

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081716\
 Data File : BF089770.D
 Acq On : 17 Aug 2016 18:33
 Operator : UM/SJ
 Sample : H4429-02MS
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-7A-9-11MS

Manual Integrations
 APPROVED

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 8/18/2016 5:59:19 PM

Quant Time: Aug 18 15:34:20 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 16 19:45:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	733731	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	3002639	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	1386903	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	2589988	20.00	ng	0.00
75) Chrysene-d12	13.86	240	2014653	20.00	ng	-0.03
86) Perylene-d12	15.29	264	2106092	20.00	ng	-0.11

System Monitoring Compounds

5) 2-Fluorophenol	5.29	112	4405555	100.18	ng	0.01
7) Phenol-d6	6.34	99	5861299	104.79	ng	0.01
23) Nitrobenzene-d5	7.27	82	3374853	68.63	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	1376785	102.61	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	5876407	67.99	ng	0.00
78) Terphenyl-d14	12.81	244	4817110	71.43	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.26	88	643562	28.35	ng	98
3) Pyridine	2.90	79	1770194	30.26	ng	96
4) n-Nitrosodimethylamine	2.87	42	806107	34.33	ng	84
6) Aniline	6.36	93	1273396	16.94	ng	# 87
8) 2-Chlorophenol	6.49	128	1816541	34.73	ng	# 76
9) Benzaldehyde	6.24	77	662003	17.86	ng	86
10) Phenol	6.35	94	1874675	26.93	ng	99
11) bis(2-Chloroethyl)ether	6.44	93	1861318	36.08	ng	98
12) 1,3-Dichlorobenzene	6.64	146	1892868	33.86	ng	96
13) 1,4-Dichlorobenzene	6.72	146	1995108	35.22	ng	96
14) 1,2-Dichlorobenzene	6.87	146	1690037m	31.29	ng	
15) Benzyl Alcohol	6.84	79	1411065	37.75	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.99	45	2184296	32.27	ng	93
17) 2-Methylphenol	6.97	107	1645219	39.59	ng	96
18) Hexachloroethane	7.21	117	733342	35.32	ng	# 86
19) n-Nitroso-di-n-propylamine	7.13	70	1234645	33.70	ng	93
20) 3+4-Methylphenols	7.12	107	1785708	33.55	ng	# 83
22) Acetophenone	7.12	105	2253551	32.29	ng	# 92
24) Nitrobenzene	7.29	77	2120765	38.34	ng	90
25) Isophorone	7.53	82	3501725	35.59	ng	97
26) 2-Nitrophenol	7.60	139	948746	36.45	ng	# 74
27) 2,4-Dimethylphenol	7.66	122	1874199	37.99	ng	99
28) bis(2-Chloroethoxy)methane	7.75	93	2112705	35.34	ng	97
29) 2,4-Dichlorophenol	7.85	162	1602424	39.01	ng	99
30) 1,2,4-Trichlorobenzene	7.93	180	1514462	34.35	ng	97
31) Naphthalene	8.01	128	4947654	36.71	ng	96
33) 4-Chloroaniline	8.06	127	618428	9.92	ng	# 89
34) Hexachlorobutadiene	8.14	225	817922	35.31	ng	98
35) Caprolactam	8.43	113	458961m	36.26	ng	
36) 4-Chloro-3-methylphenol	8.55	107	1593881	35.65	ng	92
37) 2-Methylnaphthalene	8.70	142	3434864	37.44	ng	# 97
39) 1,2,4,5-Tetrachlorobenzene	8.87	216	1140227	25.57	ng	99
40) Hexachlorocyclopentadiene	8.86	237	1347928	67.84	ng	99
42) 2,4,6-Trichlorophenol	8.98	196	1154729	40.09	ng	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	9.02	196	914784	33.31	nq	# 88
45) 1,1'-Biphenyl	9.16	154	3240235	28.21	nq	99
46) 2-Chloronaphthalene	9.19	162	2988316	34.72	nq	97
47) 2-Nitroaniline	9.28	65	994504	37.92	nq	97
48) Acenaphthylene	9.60	152	4455483	33.63	nq	97
49) Dimethylphthalate	9.48	163	5472445	54.53	nq	# 98
50) 2,6-Dinitrotoluene	9.53	165	839308	36.95	nq	88
51) Acenaphthene	9.77	154	2803963	31.36	nq	99
52) 3-Nitroaniline	9.69	138	471210	17.84	nq	98
53) 2,4-Dinitrophenol	9.79	184	161458	17.35	nq	96
54) Dibenzofuran	9.94	168	4003098	36.38	nq	99
55) 4-Nitrophenol	9.86	139	1351932	66.55	nq	90
56) 2,4-Dinitrotoluene	9.93	165	1084214	37.14	nq	# 71
57) Fluorene	10.28	166	2809446	31.60	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.07	232	815992	38.04	nq	98
59) Diethylphthalate	10.18	149	3794838	37.30	nq	96
60) 4-Chlorophenyl-phenylether	10.28	204	1351062	30.96	nq	99
61) 4-Nitroaniline	10.31	138	862763	33.65	nq	96
62) Azobenzene	10.44	77	3933714	40.91	nq	95
64) 4,6-Dinitro-2-methylphenol	10.33	198	314993	20.95	nq	80
65) n-Nitrosodiphenylamine	10.40	169	3032464	37.31	nq	100
66) 4-Bromophenyl-phenylether	10.78	248	945837	35.26	nq	97
67) Hexachlorobenzene	10.83	284	1098181	36.83	nq	# 95
68) Atrazine	10.94	200	876785	35.61	nq	95
69) Pentachlorophenol	11.03	266	1105868	59.53	nq	99
70) Phenanthrene	11.24	178	4983484	39.15	nq	95
71) Anthracene	11.29	178	4227317	31.78	nq	96
72) Carbazole	11.45	167	4856867	38.54	nq	96
73) Di-n-butylphthalate	11.79	149	4907234	32.01	nq	97
74) Fluoranthene	12.42	202	4343053	33.95	nq	92
76) Benzidine	12.55	184	1887746	26.11	nq	99
77) Pyrene	12.65	202	4805392	36.45	nq	94
79) Butylbenzylphthalate	13.29	149	2575060	38.93	nq	99
80) Benzo(a)anthracene	13.85	228	4197691	35.86	nq	97
81) 3,3'-Dichlorobenzidine	13.82	252	980675	22.99	nq	# 97
82) Chrysene	13.89	228	3457007	32.82	nq	95
83) Bis(2-ethylhexyl)phthalate	13.87	149	3398257	38.82	nq	# 95
84) Di-n-octyl phthalate	14.51	149	5170864	38.01	nq	97
85) Indeno(1,2,3-cd)pyrene	16.59	276	3975943	44.30	nq	100
87) Benzo(b)fluoranthene	14.91	252	3976609m	29.80	nq	
88) Benzo(k)fluoranthene	14.95	252	3907436m	35.58	nq	
89) Benzo(a)pyrene	15.25	252	3942210	35.78	nq	# 95
90) Dibenzo(a,h)anthracene	16.62	278	3299151	38.03	nq	97
91) Benzo(g,h,i)perylene	16.98	276	3220685	36.48	nq	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

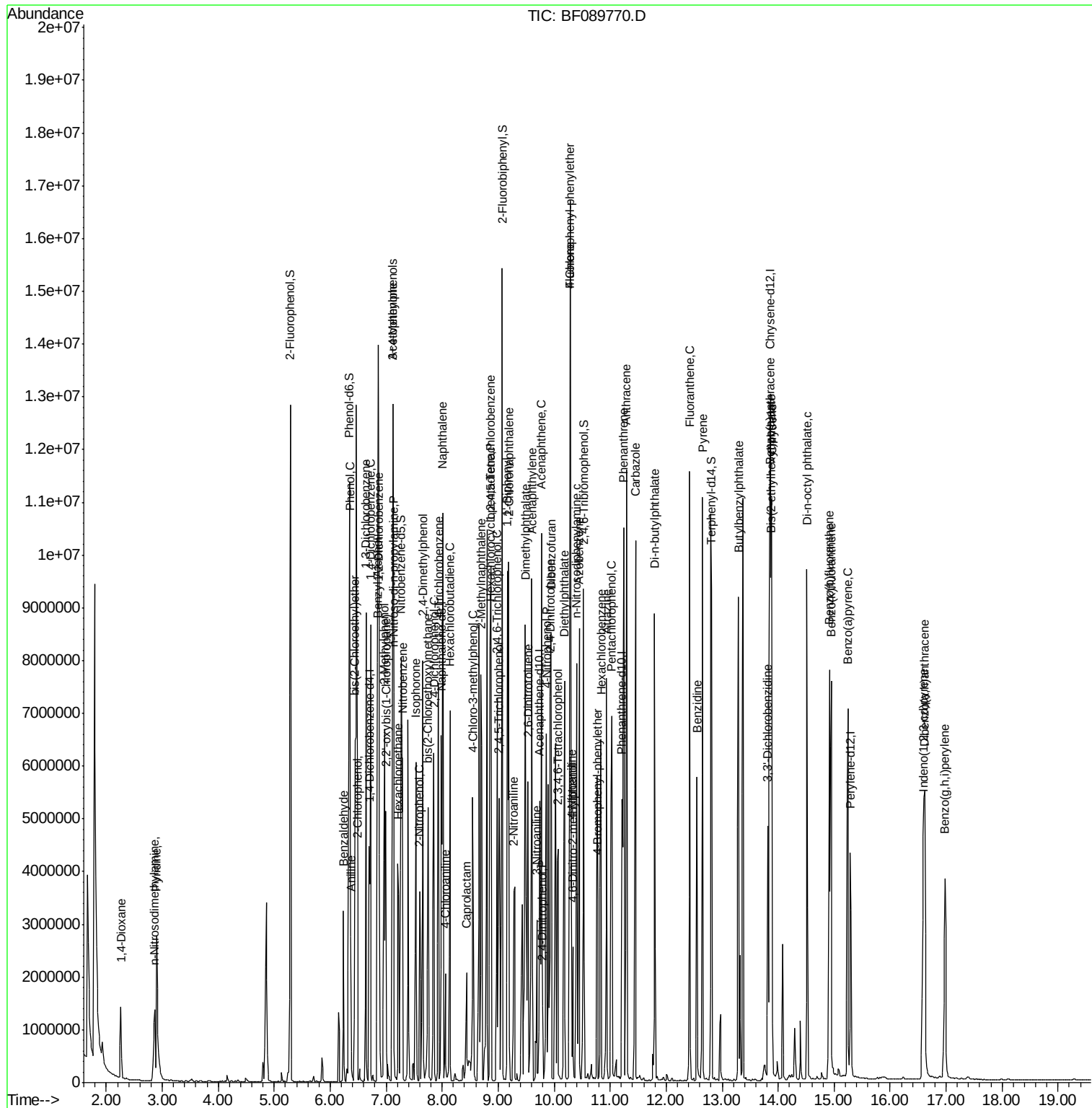
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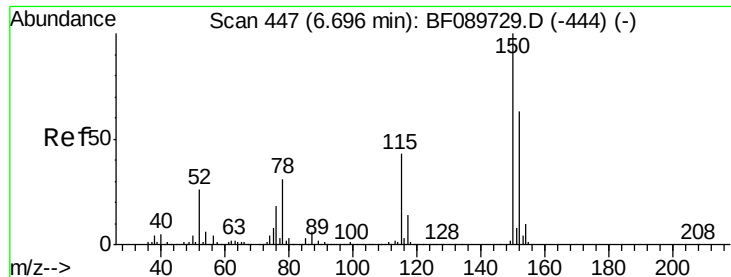
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 447

Delta R.T. 0.00 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

Instrument :

BNA_F

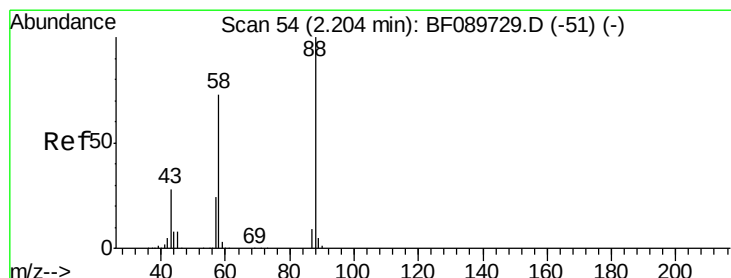
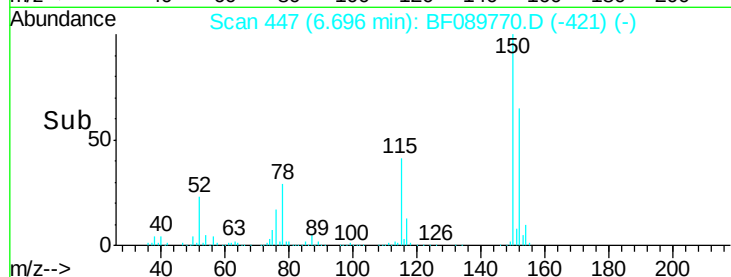
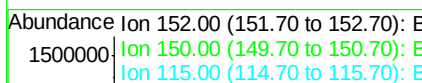
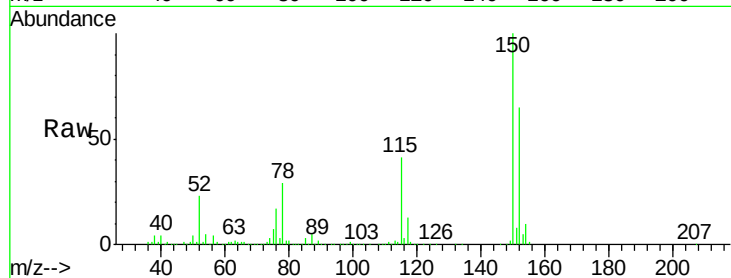
ClientSampleId :

LOCATION-7A-9-11MS

Tot Ion:	152	Resp:	733731
Ion Ratio	Lower	Upper	
152	100		
150	155.0	125.3	187.9
115	64.1	40.9	61.3#

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#2

1,4-Dioxane

Concen: 28.35 ng

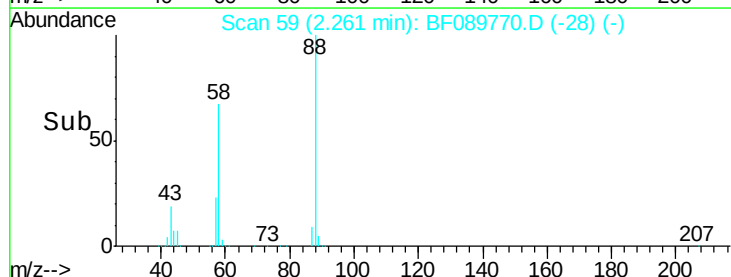
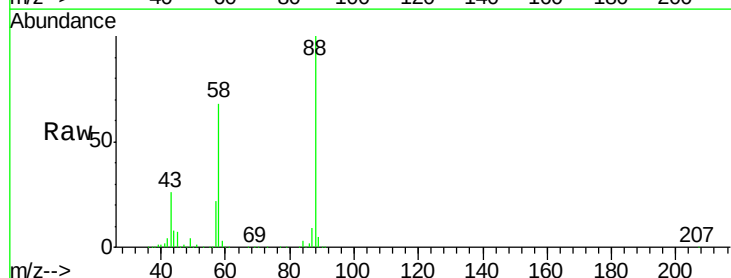
RT: 2.26 min Scan# 59

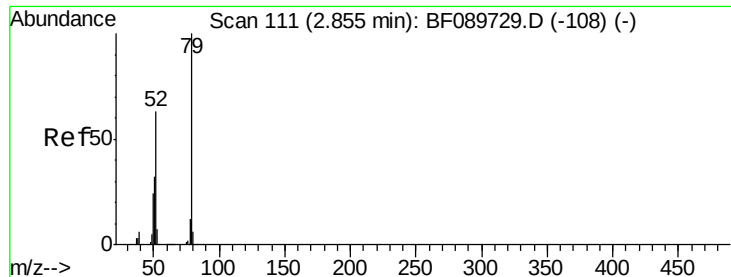
Delta R.T. 0.06 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

Tgt Ion:	88	Resp:	643562
Ion Ratio	Lower	Upper	
88	100		
58	70.1	57.0	85.4
43	26.0	21.8	32.8





#3

Pvridine

Concen: 30.26 ng

RT: 2.90 min Scan# 115

Delta R.T. 0.05 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

Instrument :

BNA_F

ClientSampleId :

LOCATION-7A-9-11MS

Tot Ion: 79 Resp: 1770194

Ion Ratio Lower Upper

79 100

52 63.7 53.6 80.4

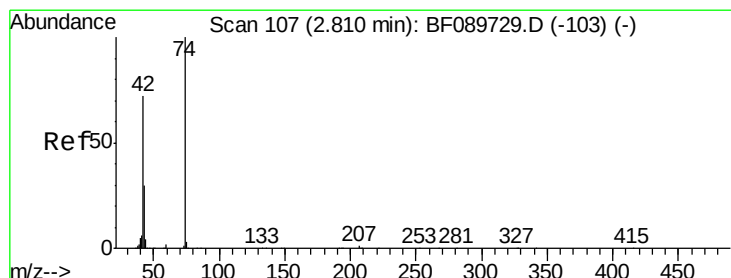
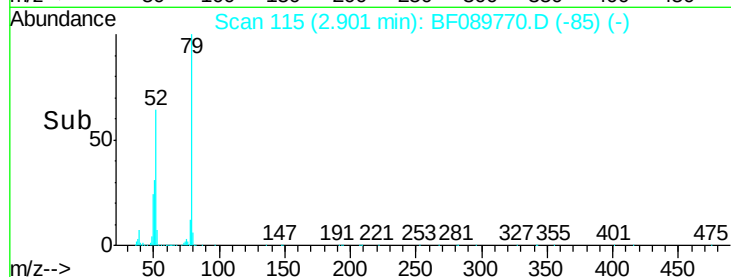
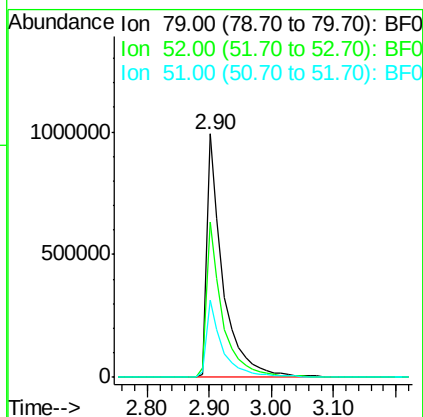
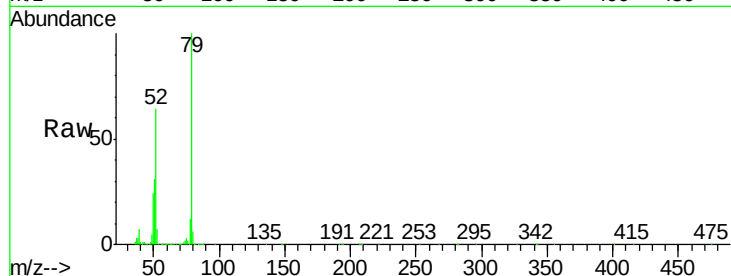
51 31.5 26.6 39.8

Manual Integrations

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#4

n-Nitrosodimethylamine

Concen: 34.33 ng

RT: 2.87 min Scan# 112

Delta R.T. 0.06 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

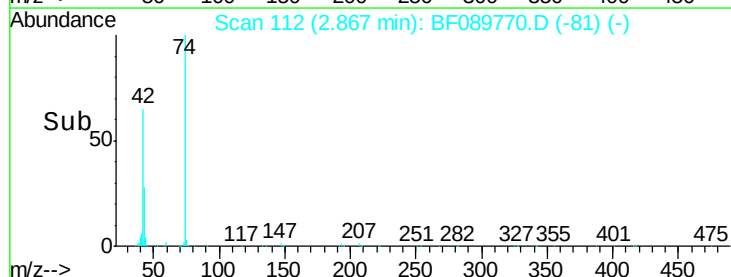
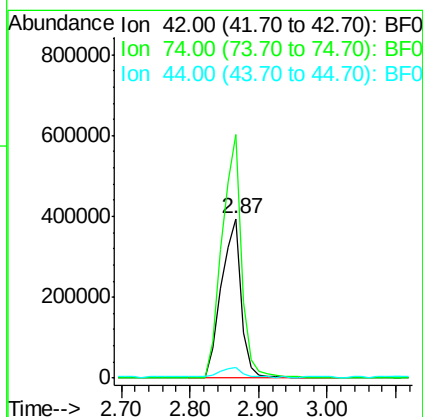
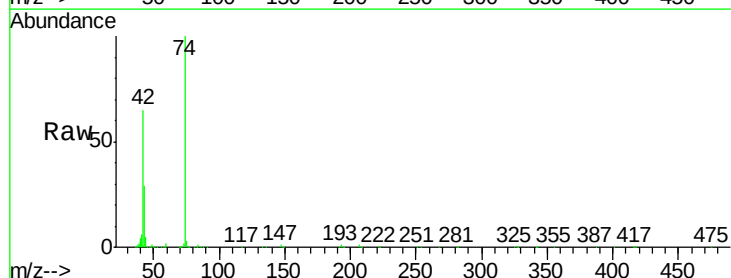
Tgt Ion: 42 Resp: 806107

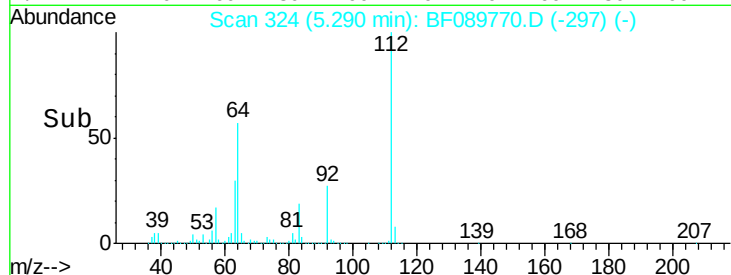
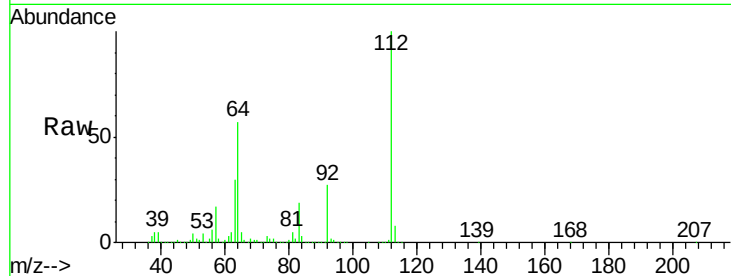
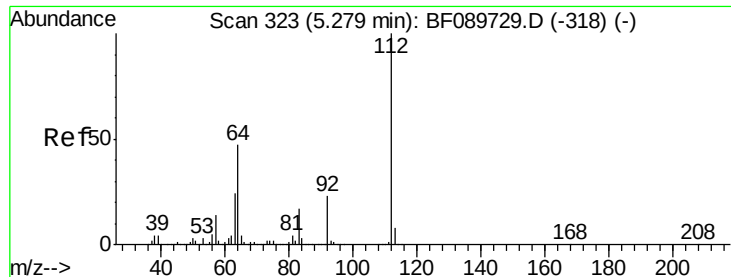
Ion Ratio Lower Upper

42 100

74 152.9 106.2 159.2

44 7.0 6.9 10.3





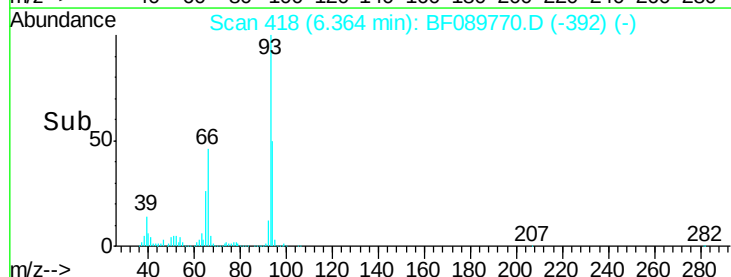
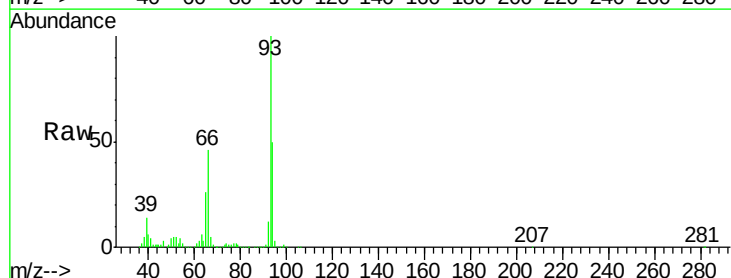
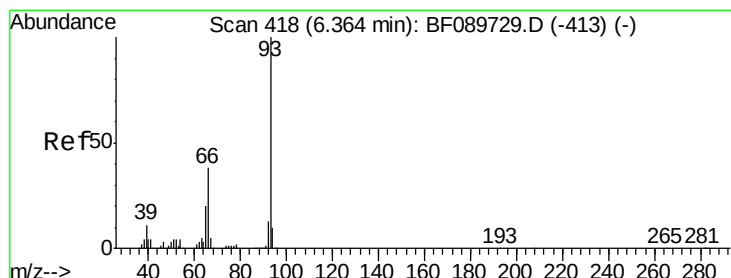
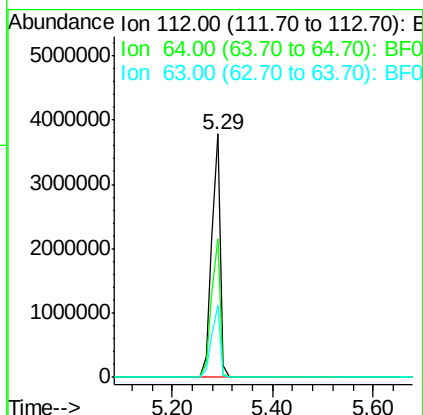
#5
2-Fluorophenol
Concen: 100.18 ng
RT: 5.29 min Scan# 324
Delta R.T. 0.01 min
Lab File: BF089770.D
Acq: 17 Aug 2016 18:33

Tot Ion	Ratio	Lower	Upper
112	100		
64	56.8	45.0	67.4
63	29.6	23.1	34.7

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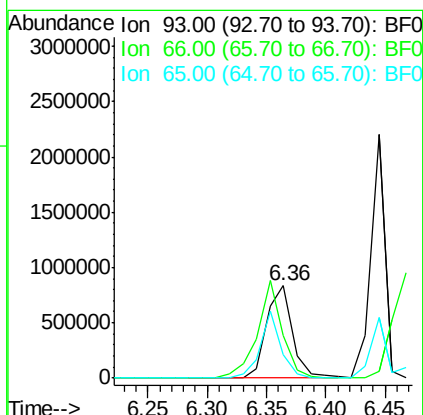
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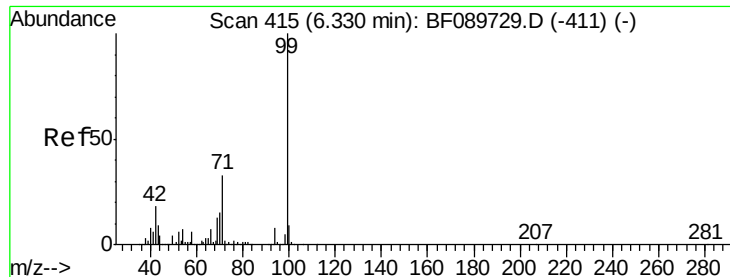
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#6
Aniline
Concen: 16.94 ng
RT: 6.36 min Scan# 418
Delta R.T. 0.00 min
Lab File: BF089770.D
Acq: 17 Aug 2016 18:33

Tgt Ion	Ratio	Lower	Upper
93	100		
66	45.7	30.6	46.0
65	25.9	15.4	23.2





#7

Phenol-d6

Concen: 104.79 ng

RT: 6.34 min Scan# 416

Delta R.T. 0.01 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

Instrument :

BNA_F

ClientSampleId :

LOCATION-7A-9-11MS

Tot Ion: 99 Resp: 5861299

Ion Ratio Lower Upper

99 100

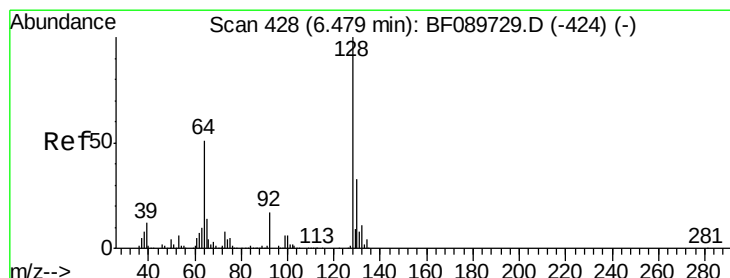
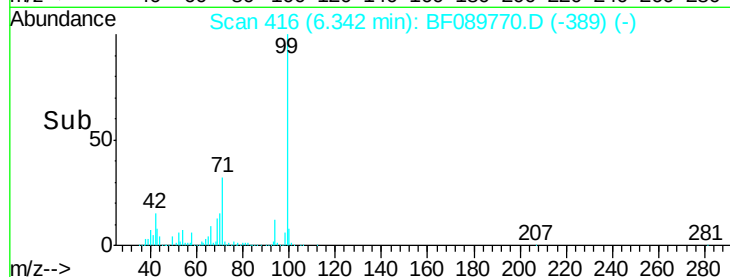
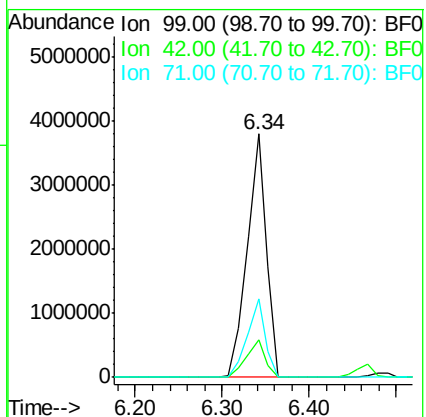
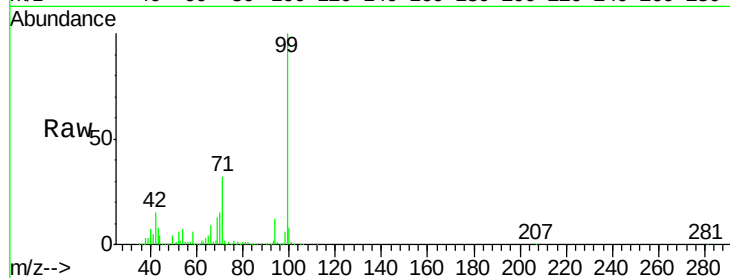
42 15.5 12.2 18.4

71 32.1 23.8 35.8

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#8

2-Chlorophenol

Concen: 34.73 ng

RT: 6.49 min Scan# 429

Delta R.T. 0.01 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

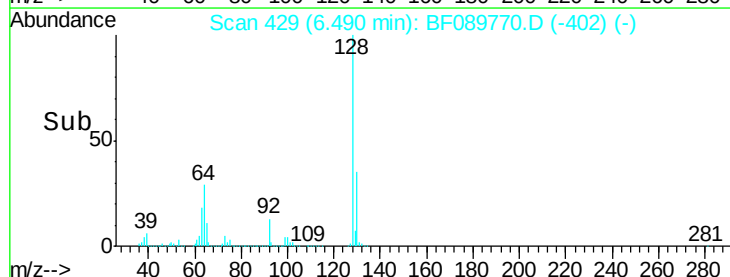
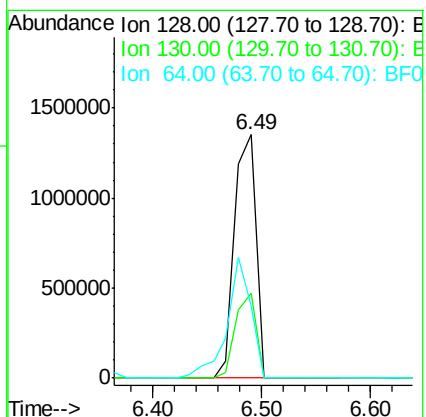
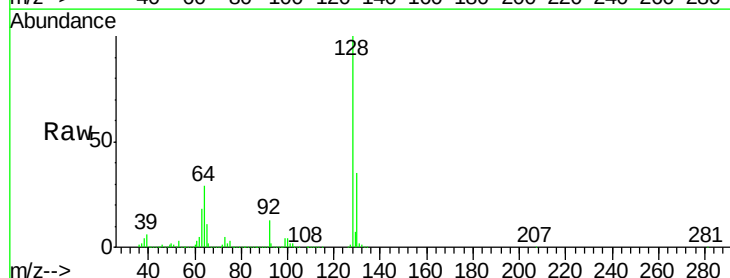
Tgt Ion: 128 Resp: 1816541

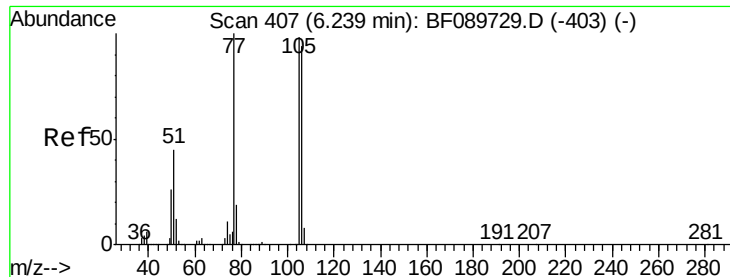
Ion Ratio Lower Upper

128 100

130 34.6 12.0 52.0

64 29.5 35.1 75.1#





#9

Benzaldehyde

Concen: 17.86 ng

RT: 6.24 min Scan# 407

Delta R.T. 0.00 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

Instrument :

BNA_F

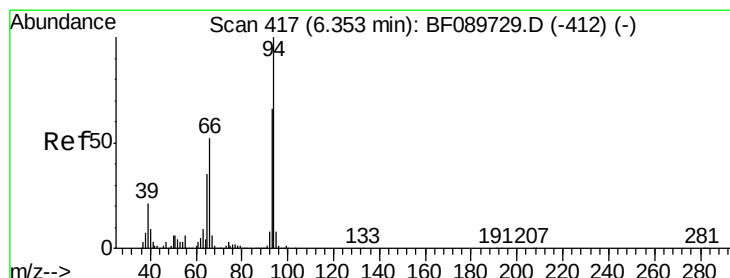
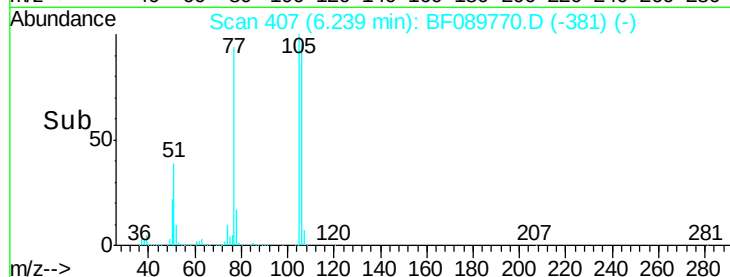
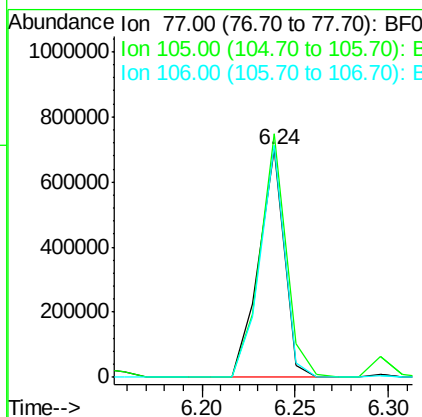
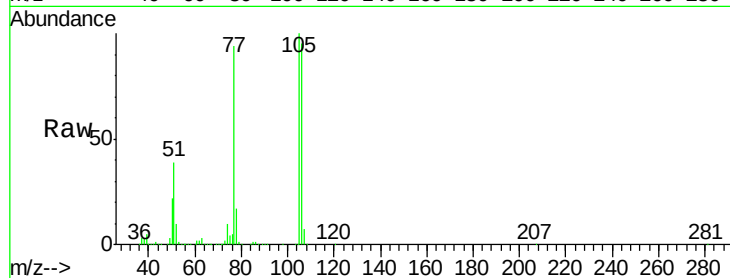
ClientSampleId :

LOCATION-7A-9-11MS

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
105	106.9	73.3	113.3	
106	101.7	68.6	108.6	

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#10

Phenol

Concen: 26.93 ng

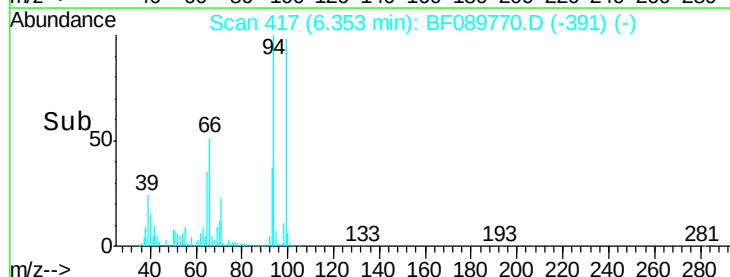
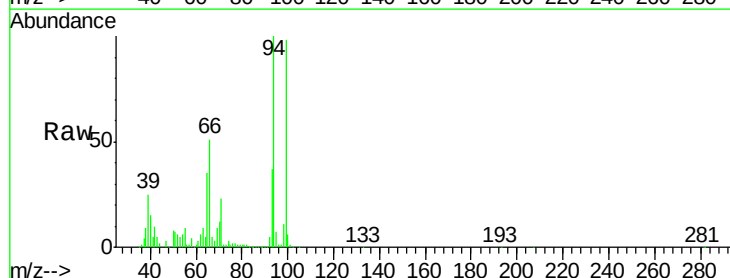
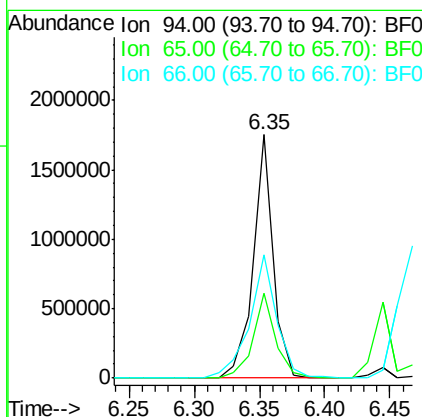
RT: 6.35 min Scan# 417

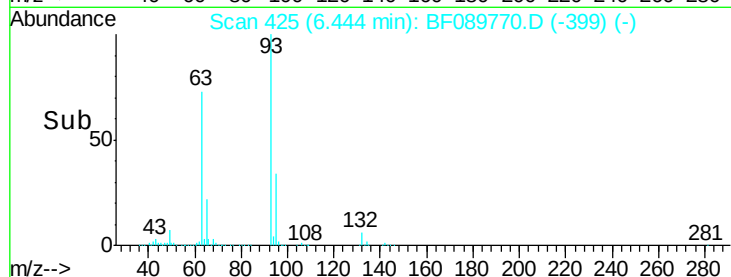
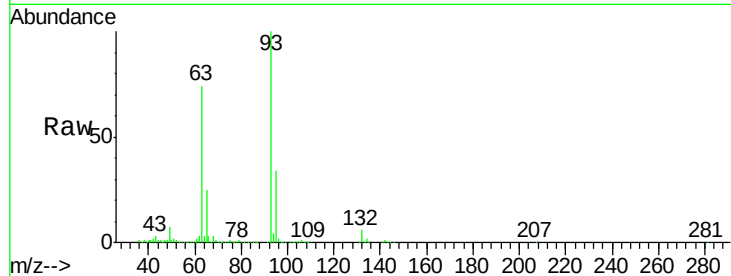
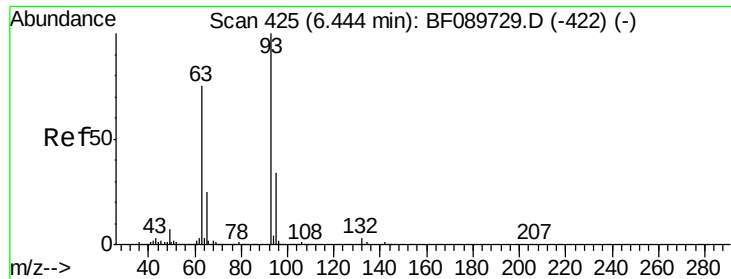
Delta R.T. 0.00 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

Tgt Ion	Ion	Ratio	Lower	Upper
94	100			
65	34.6	14.0	54.0	
66	50.6	31.2	71.2	





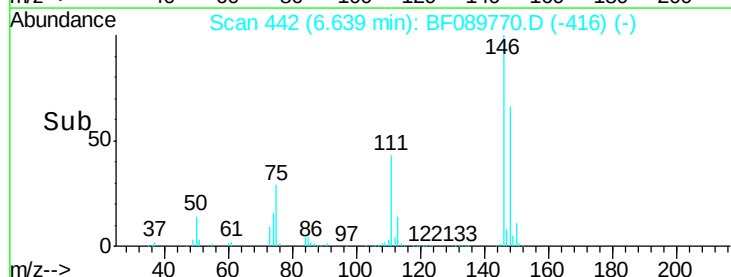
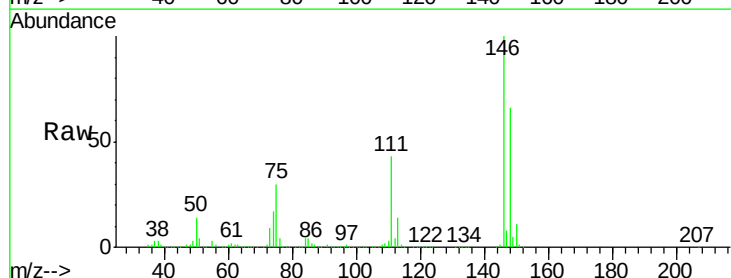
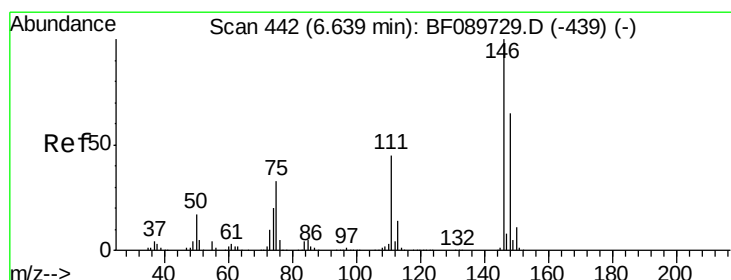
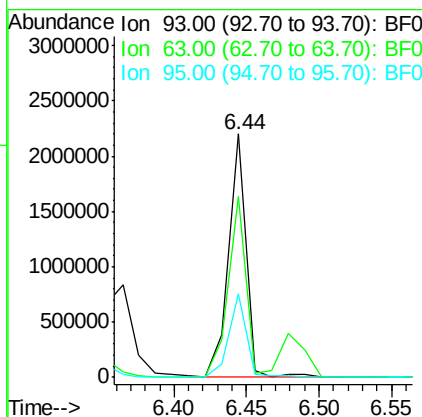
#11
bis(2-Chloroethyl)ether
Concen: 36.08 ng
RT: 6.44 min Scan# 425
Delta R.T. 0.00 min
Lab File: BF089770.D
Acq: 17 Aug 2016 18:33

Tot Ion	Ratio	Lower	Upper
93	100		
63	74.3	55.8	95.8
95	34.3	13.0	53.0

Instrument :
BNA_F
ClientSampleId :
LOCATION-7A-9-11MS

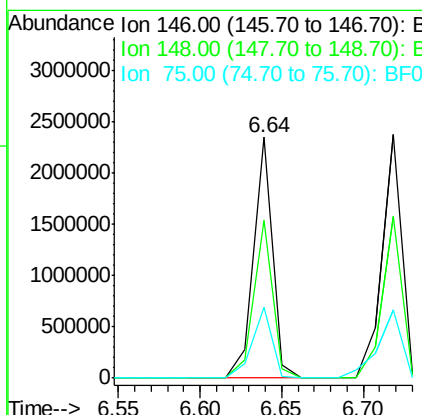
Manual Integrations
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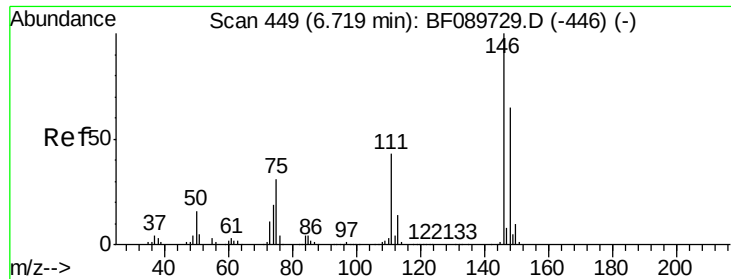
sohil
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#12
1,3-Dichlorobenzene
Concen: 33.86 ng
RT: 6.64 min Scan# 442
Delta R.T. 0.00 min
Lab File: BF089770.D
Acq: 17 Aug 2016 18:33

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.5	51.0	76.4
75	29.5	27.0	40.6





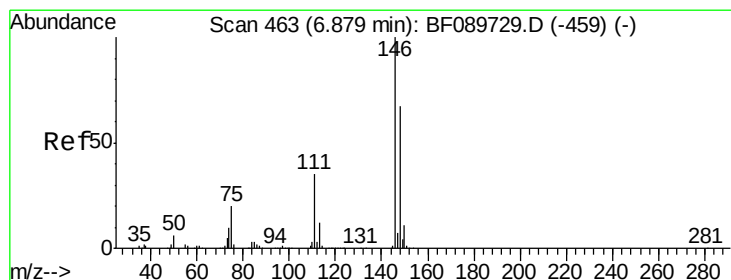
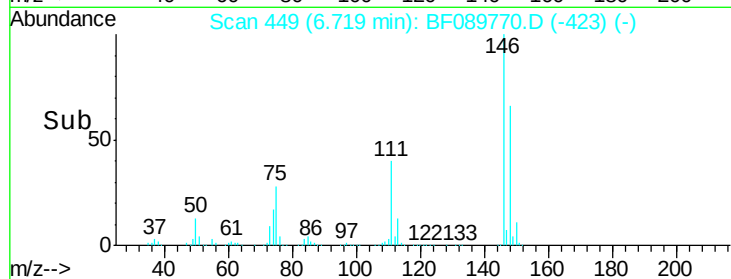
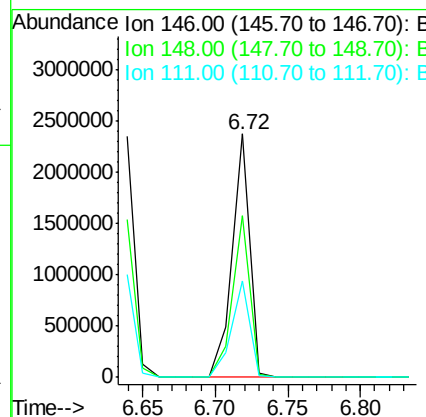
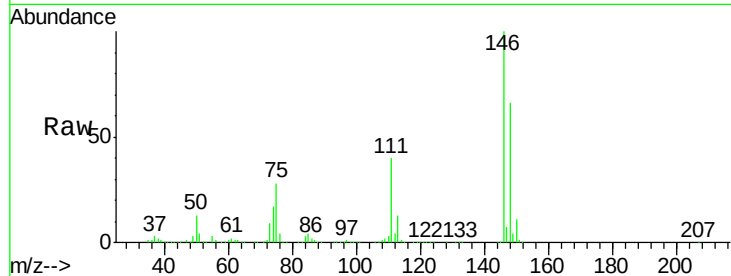
#13
 1,4-Dichlorobenzene
 Concen: 35.22 ng
 RT: 6.72 min Scan# 449
 Delta R.T. 0.00 min
 Lab File: BF089770.D
 Acq: 17 Aug 2016 18:33

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-7A-9-11MS

Tot Ion:146 Resp: 1995108
 Ion Ratio Lower Upper
 146 100
 148 66.3 51.0 76.6
 111 39.7 34.6 52.0

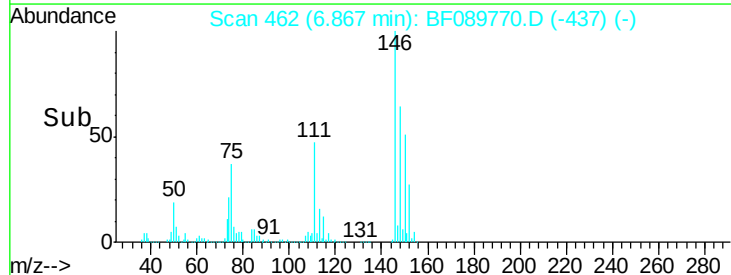
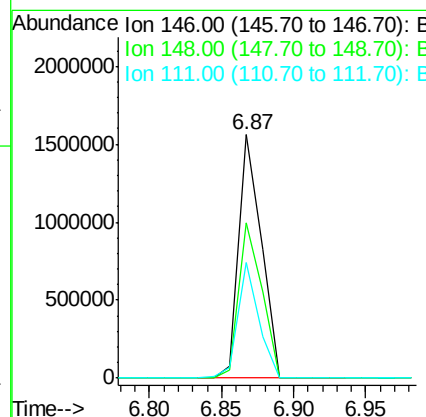
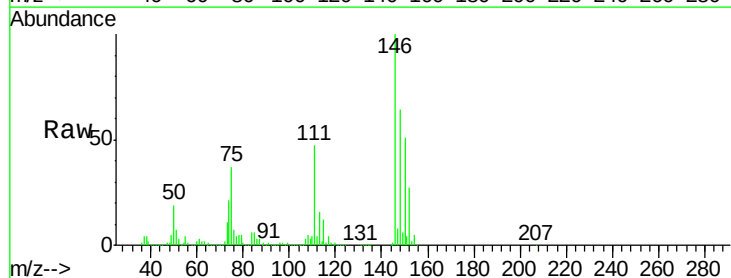
Manual Integrations
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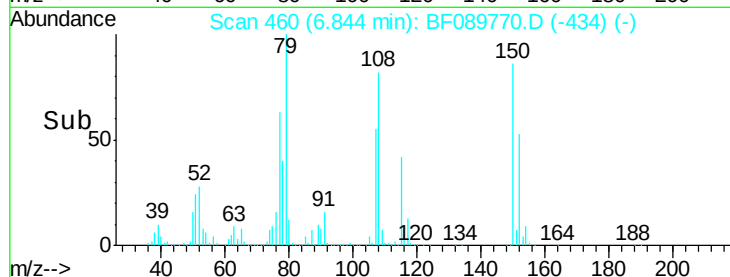
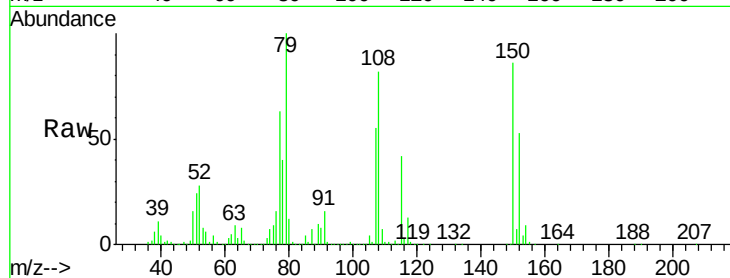
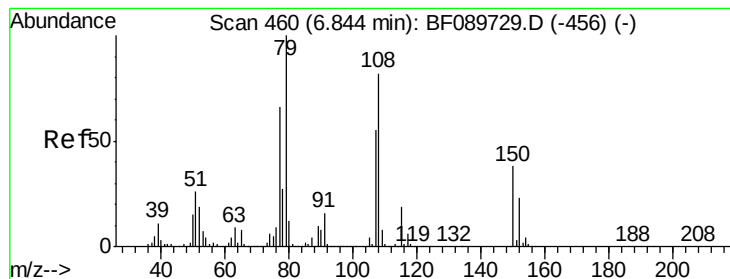
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#14
 1,2-Dichlorobenzene
 Concen: 31.29 ng m
 RT: 6.87 min Scan# 462
 Delta R.T. -0.01 min
 Lab File: BF089770.D
 Acq: 17 Aug 2016 18:33

Tgt Ion:146 Resp: 1690037
 Ion Ratio Lower Upper
 146 100
 148 63.8 52.2 78.2
 111 47.4 29.8 44.6#





#15

Benzyl Alcohol

Concen: 37.75 ng

RT: 6.84 min Scan# 460

Delta R.T. 0.00 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

Tot Ion: 79 Resp: 1411065

Ion Ratio Lower Upper

79 100

108 82.0 62.5 93.7

77 62.8 51.5 77.3

Instrument :

BNA_F

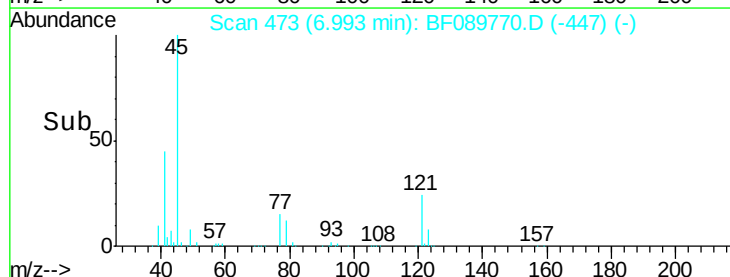
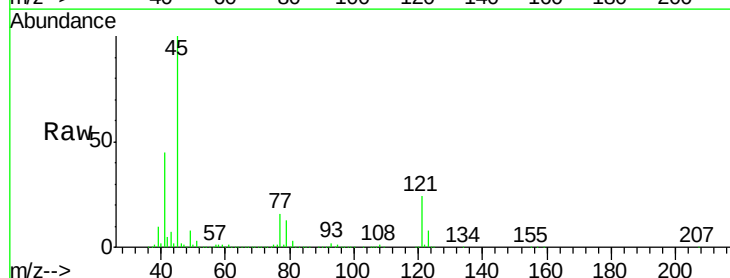
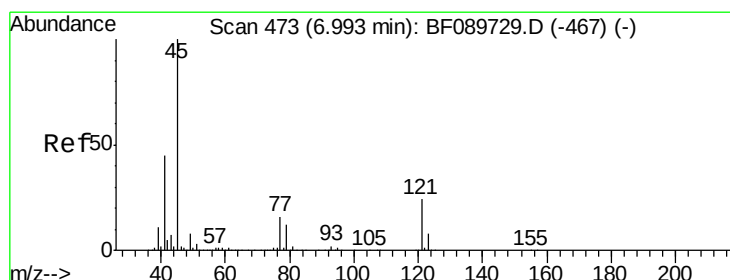
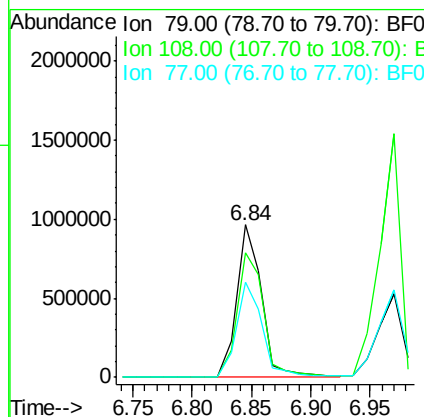
ClientSampleId :

LOCATION-7A-9-11MS

Manual Integrations

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 32.27 ng

RT: 6.99 min Scan# 473

Delta R.T. 0.00 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

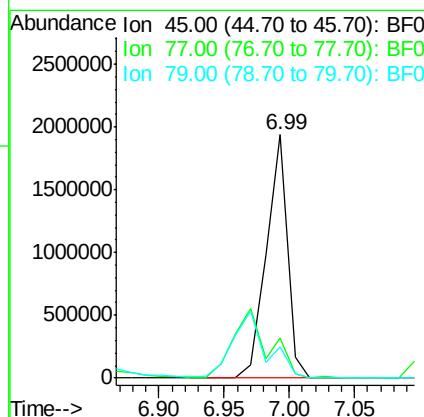
Tgt Ion: 45 Resp: 2184296

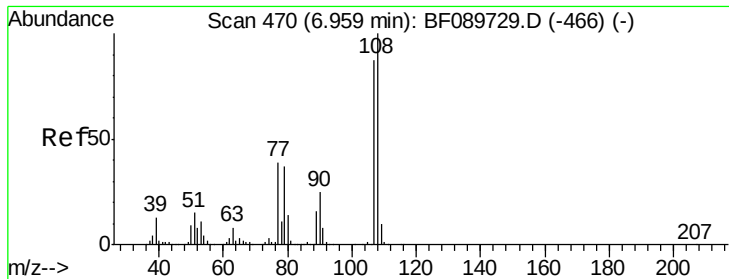
Ion Ratio Lower Upper

45 100

77 16.3 0.0 33.5

79 13.0 0.0 30.7





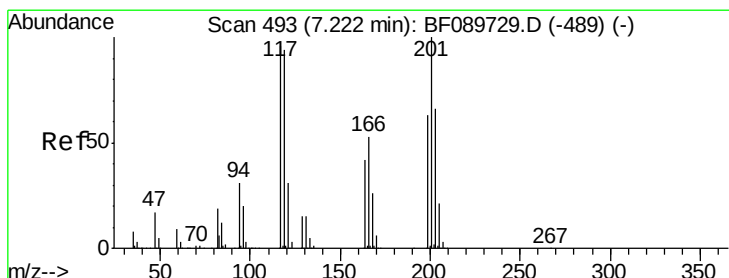
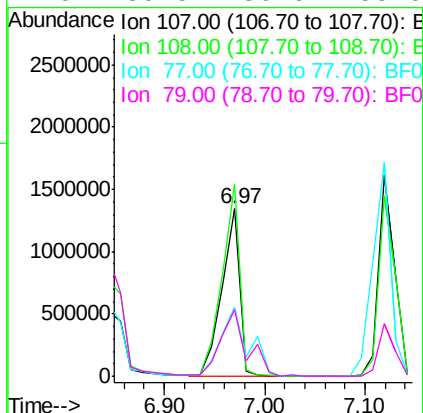
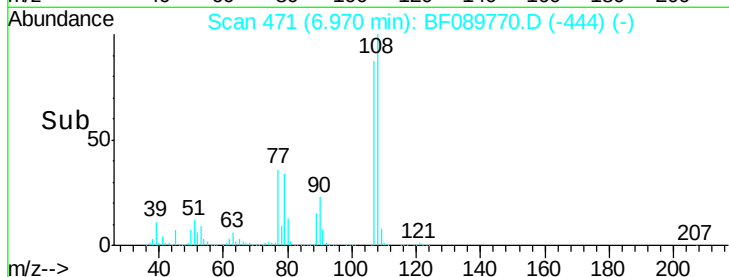
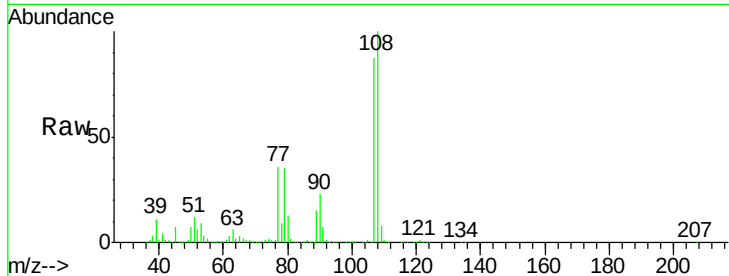
#17
2-Methylphenol
Concen: 39.59 ng
RT: 6.97 min Scan# 471
Delta R.T. 0.01 min
Lab File: BF089770.D
Acq: 17 Aug 2016 18:33

Instrument :
BNA_F
ClientSampleId :
LOCATION-7A-9-11MS

Tot Ion	Ratio	Lower	Upper
107	100		
108	114.4	91.0	136.4
77	41.2	37.4	56.0
79	39.5	36.6	55.0

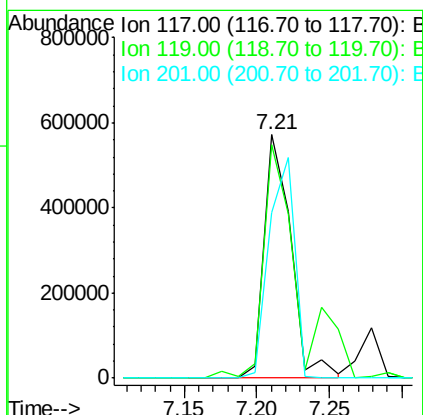
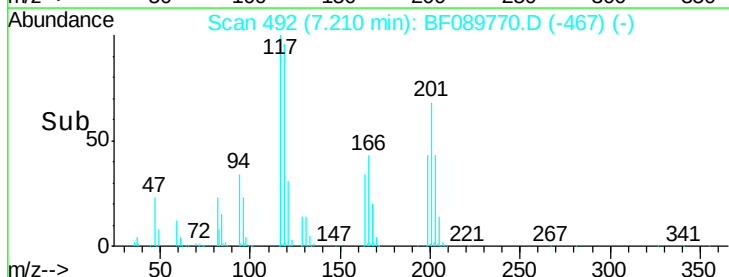
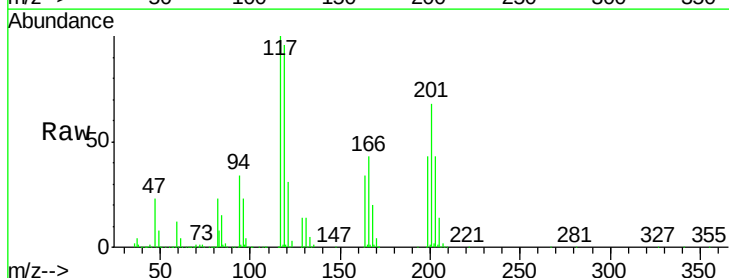
Manual Integrations
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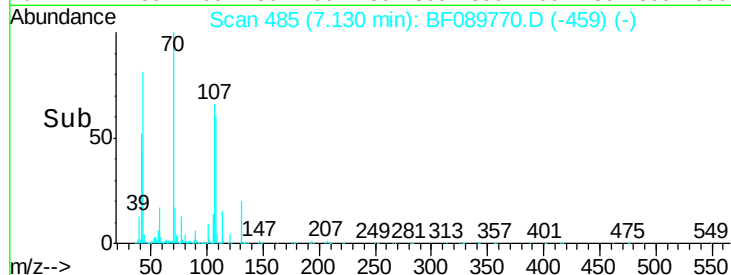
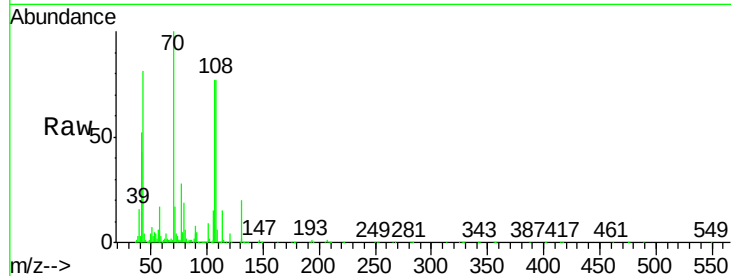
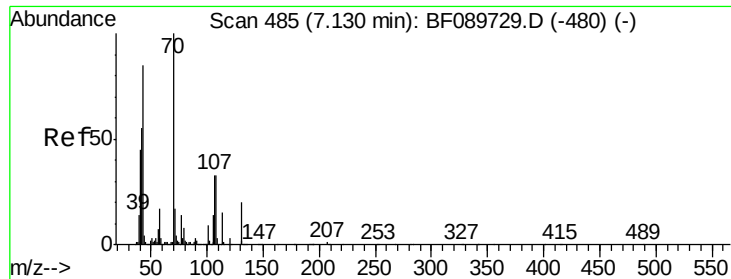
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#18
Hexachloroethane
Concen: 35.32 ng
RT: 7.21 min Scan# 492
Delta R.T. -0.01 min
Lab File: BF089770.D
Acq: 17 Aug 2016 18:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.1	115.7
201	68.2	76.9	115.3#





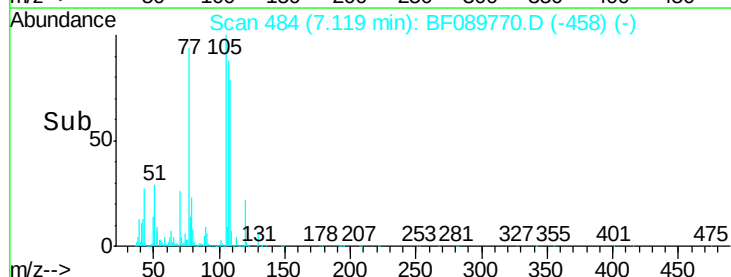
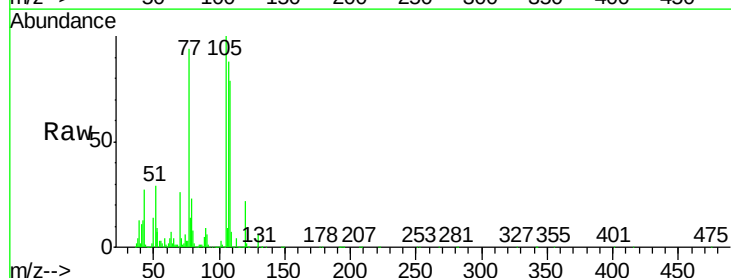
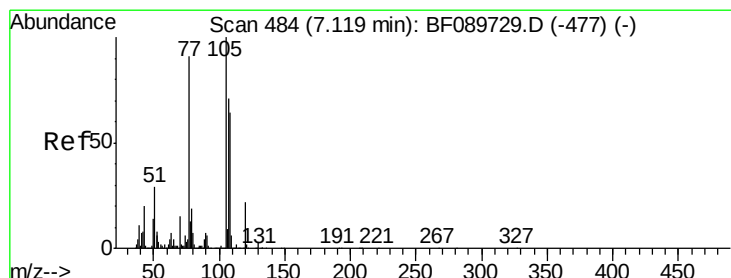
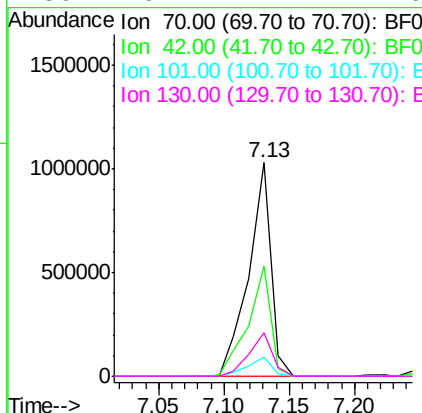
#19
n-Nitroso-di-n-propylamine
Concen: 33.70 ng
RT: 7.13 min Scan# 485
Delta R.T. 0.00 min
Lab File: BF089770.D
Acq: 17 Aug 2016 18:33

Instrument :
BNA_F
ClientSampleId :
LOCATION-7A-9-11MS

Manual Integrations
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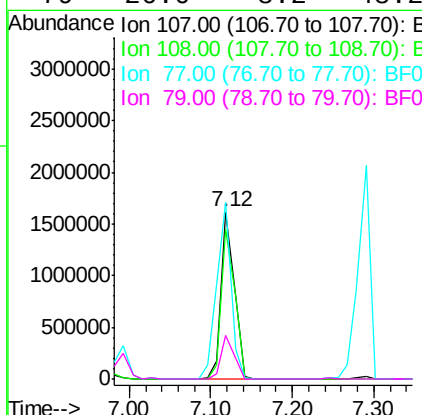
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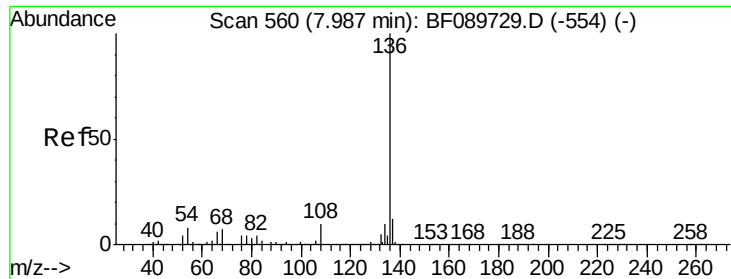
Tot Ion	Ratio	Lower	Upper
70	100		
42	51.6	46.3	69.5
101	9.3	7.0	10.6
130	20.4	14.4	21.6



#20
3+4-Methylphenols
Concen: 33.55 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.00 min
Lab File: BF089770.D
Acq: 17 Aug 2016 18:33

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.7	68.2	108.2
77	106.3	122.3	162.3#
79	26.0	8.2	48.2





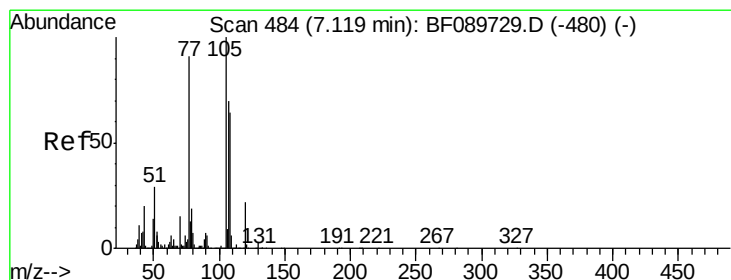
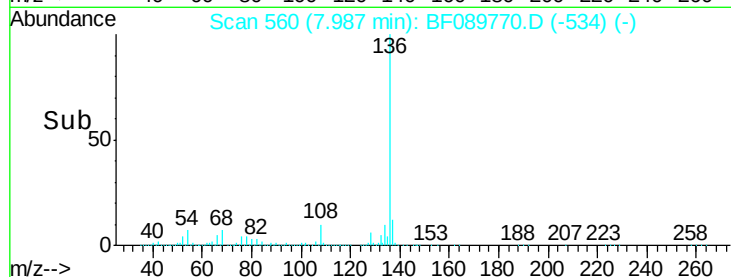
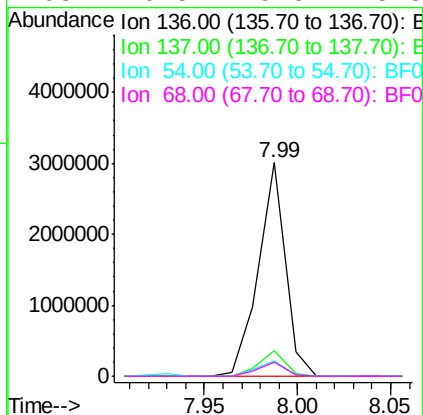
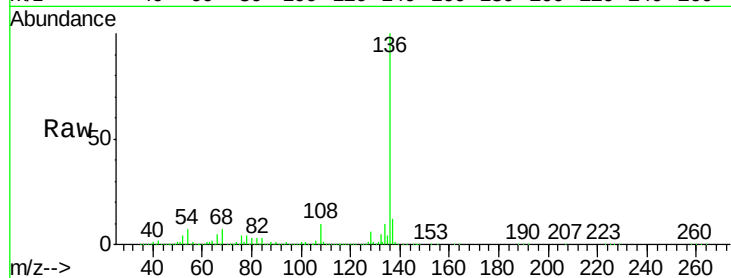
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.99 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF089770.D
Acq: 17 Aug 2016 18:33

Instrument :
BNA_F
ClientSampleId :
LOCATION-7A-9-11MS

Tot Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.2	13.8
54	7.2	7.2	10.8
68	6.5	5.8	8.8

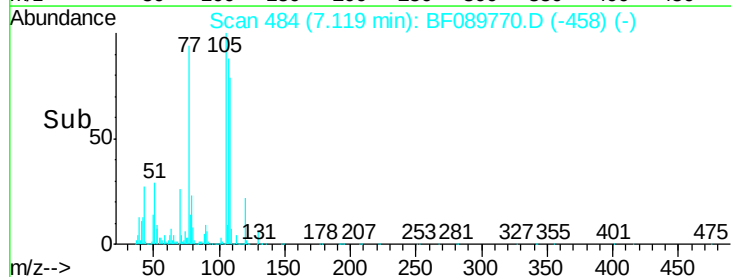
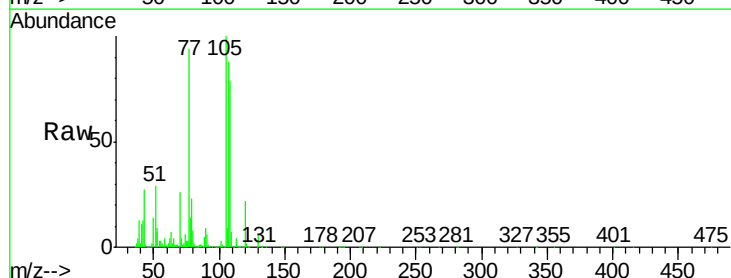
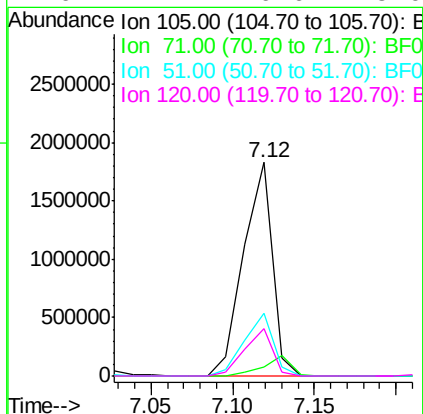
Manual Integrations
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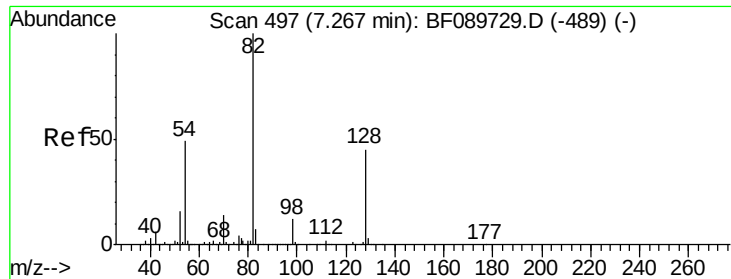
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#22
Acetophenone
Concen: 32.29 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.00 min
Lab File: BF089770.D
Acq: 17 Aug 2016 18:33

Tgt Ion	Ratio	Lower	Upper
105	100		
71	4.4	1.9	2.9
51	29.2	28.5	42.7
120	22.2	16.6	25.0





#23

Nitrobenzene-d5

Concen: 68.63 ng

RT: 7.27 min Scan# 497

Delta R.T. 0.00 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

Instrument :

BNA_F

ClientSampleId :

LOCATION-7A-9-11MS

Tot Ion: 82 Resp: 3374853

Ion Ratio Lower Upper

82 100

128 47.0 34.4 51.6

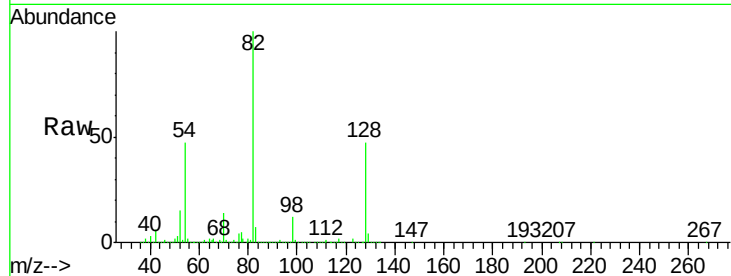
54 47.2 40.3 60.5

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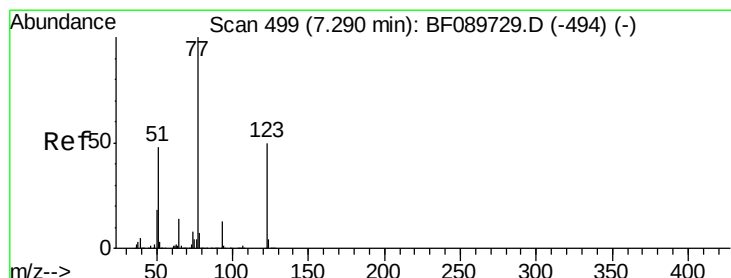
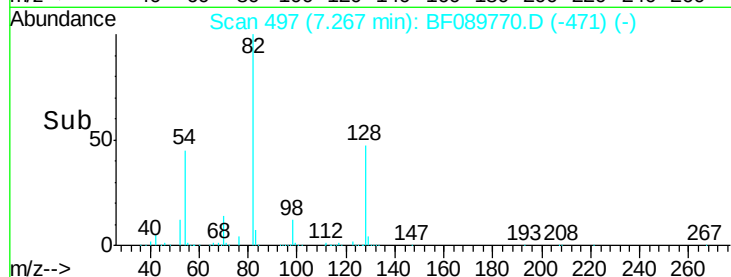
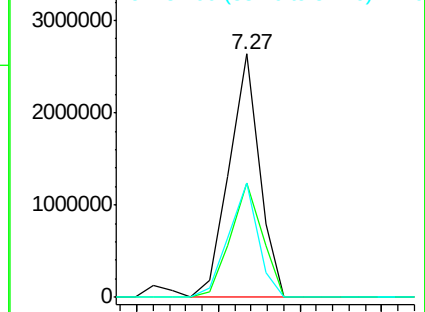
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Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 38.34 ng

RT: 7.29 min Scan# 499

Delta R.T. 0.00 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

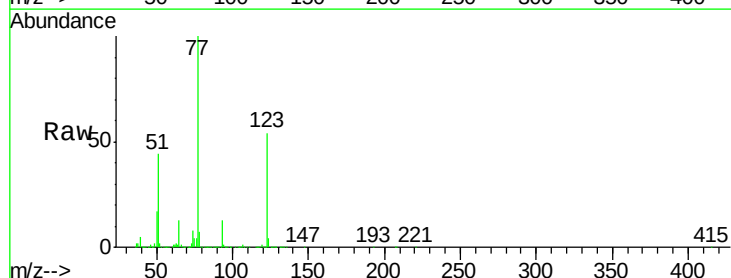
Tgt Ion: 77 Resp: 2120765

Ion Ratio Lower Upper

77 100

123 53.7 36.2 54.2

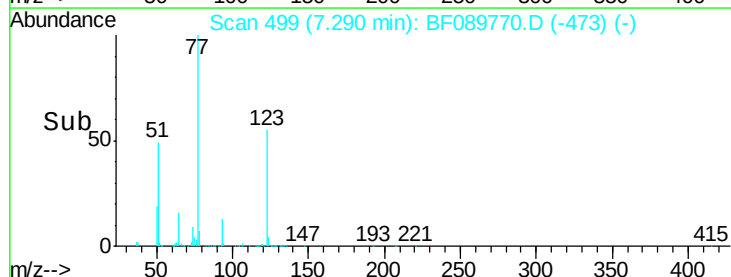
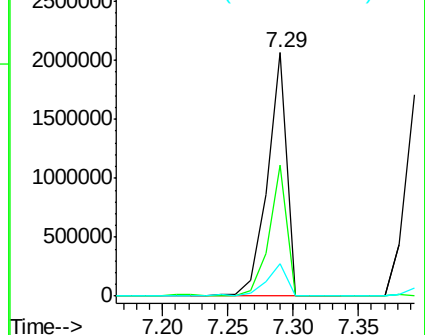
65 13.3 10.6 15.8

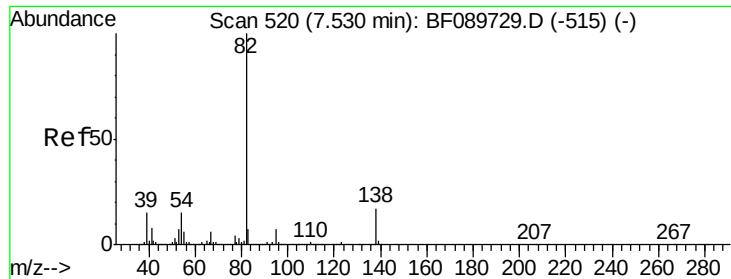


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 35.59 ng

RT: 7.53 min Scan# 520

Delta R.T. 0.00 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

Instrument :

BNA_F

ClientSampleId :

LOCATION-7A-9-11MS

Tot Ion: 82 Resp: 3501725

Ion Ratio Lower Upper

82 100

95 6.8 5.3 7.9

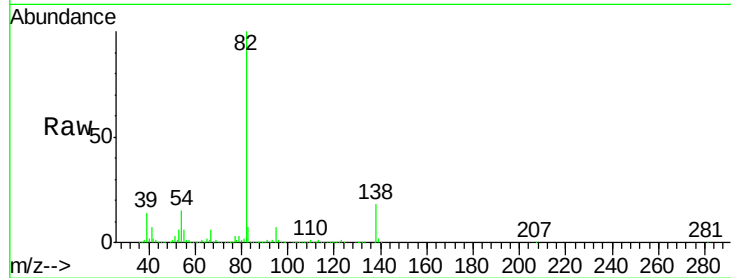
138 18.0 13.0 19.4

Manual Integrations

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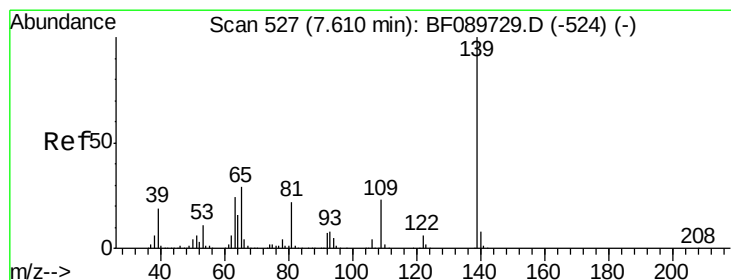
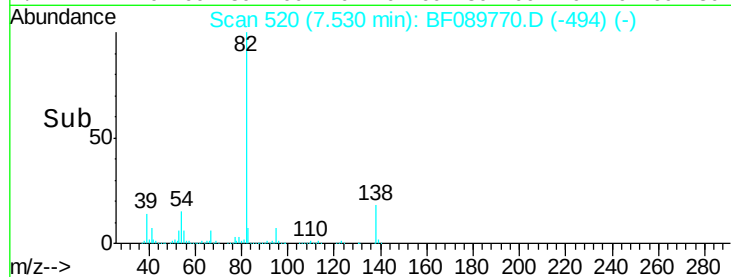
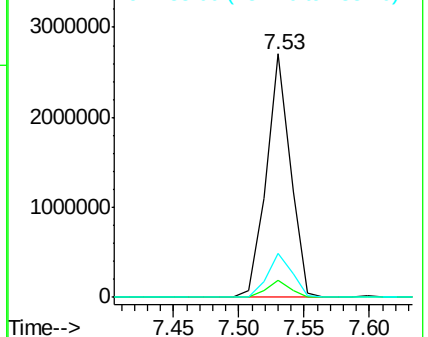
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Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 36.45 ng

RT: 7.60 min Scan# 526

Delta R.T. -0.01 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

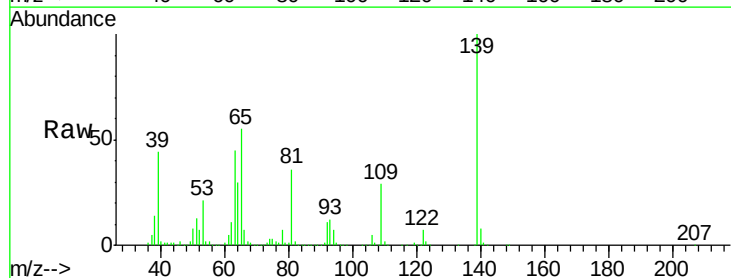
Tgt Ion: 139 Resp: 948746

Ion Ratio Lower Upper

139 100

109 28.6 19.5 29.3

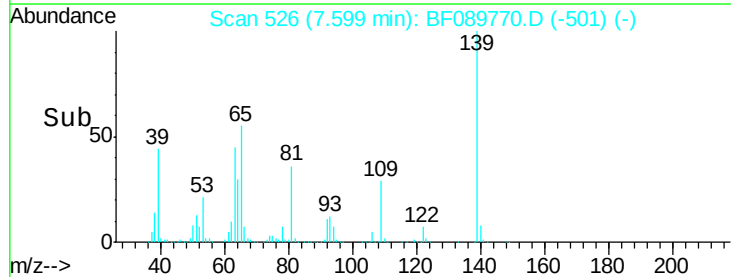
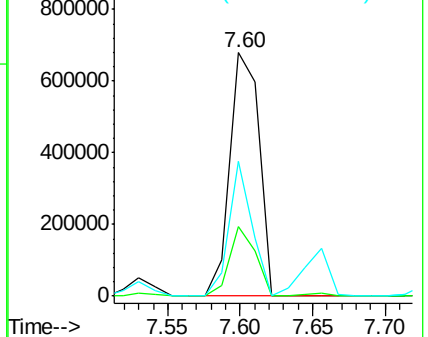
65 55.3 26.5 39.7#

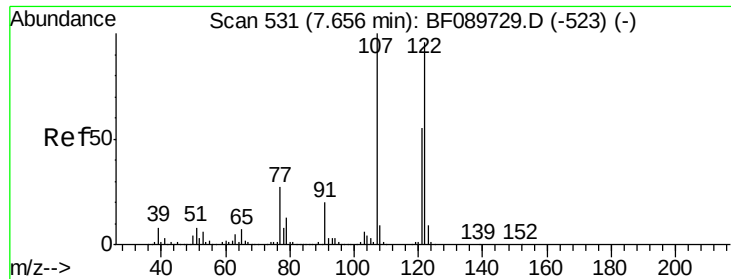


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 37.99 ng

RT: 7.66 min Scan# 531

Delta R.T. 0.00 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

Instrument :

BNA_F

ClientSampleId :

LOCATION-7A-9-11MS

Tot Ion:122 Resp: 1874199

Ion Ratio Lower Upper

122 100

107 105.2 84.8 127.2

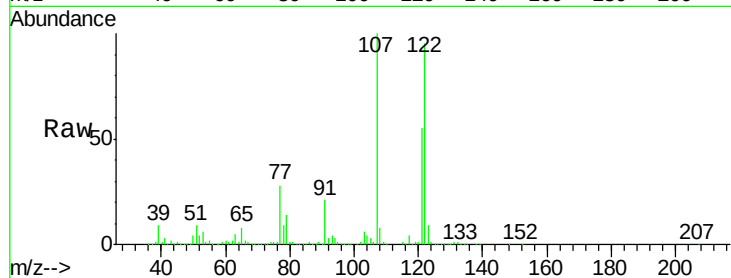
121 57.7 47.0 70.6

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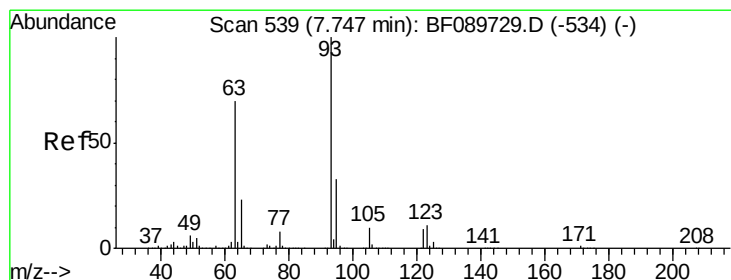
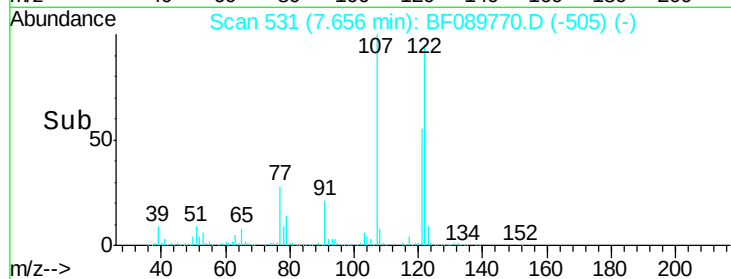
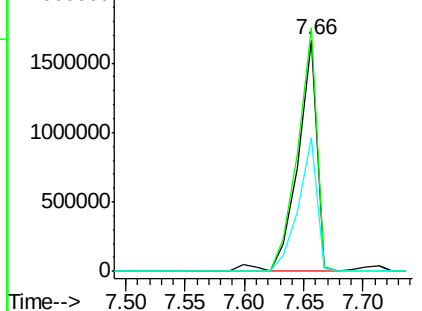
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Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 35.34 ng

RT: 7.75 min Scan# 539

Delta R.T. 0.00 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

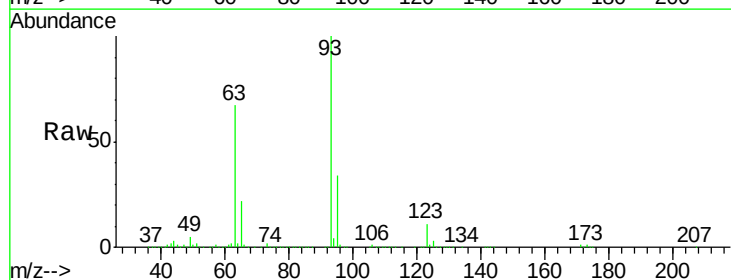
Tgt Ion: 93 Resp: 2112705

Ion Ratio Lower Upper

93 100

95 33.9 25.5 38.3

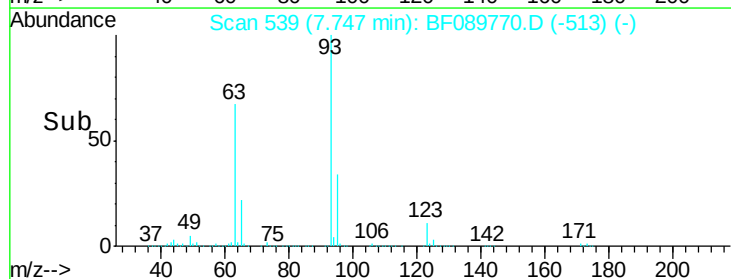
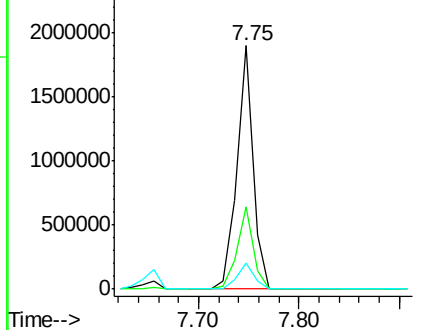
123 10.7 8.5 12.7

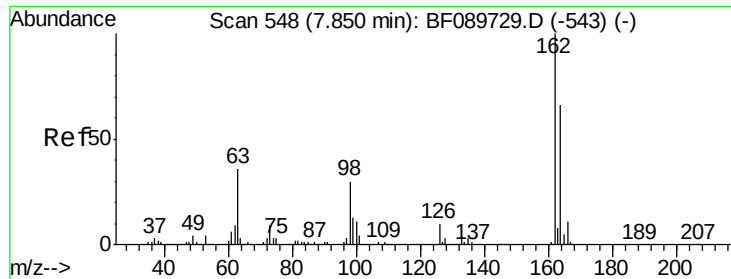


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





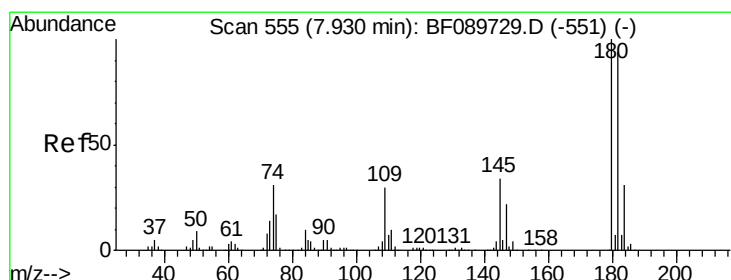
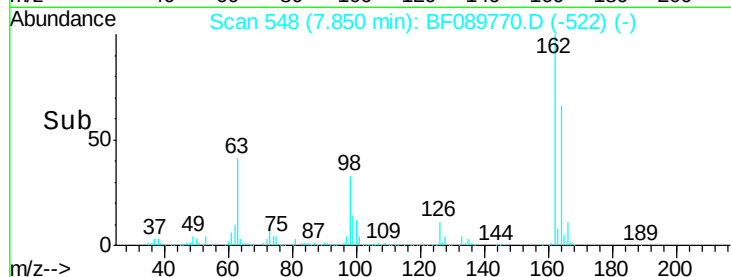
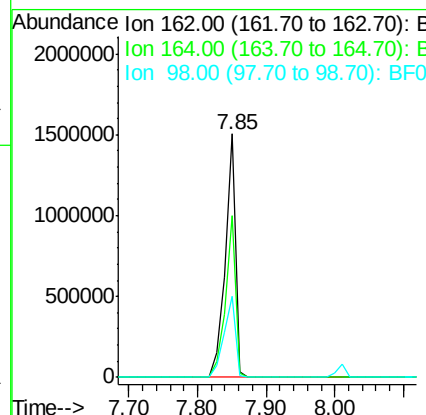
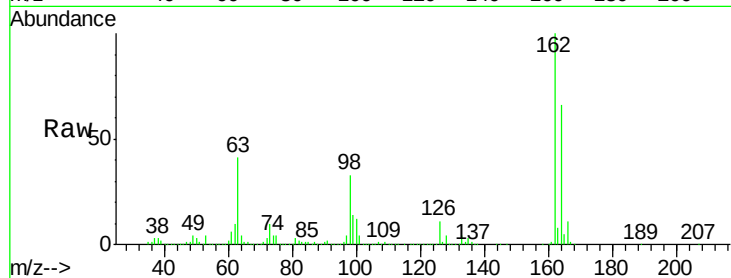
#29
2,4-Dichlorophenol
Concen: 39.01 ng
RT: 7.85 min Scan# 548
Delta R.T. 0.00 min
Lab File: BF089770.D
Acq: 17 Aug 2016 18:33

Instrument :
BNA_F
ClientSampleId :
LOCATION-7A-9-11MS

Tot Ion	Ratio	Lower	Upper
162	100		
164	66.3	45.5	85.5
98	33.2	12.4	52.4

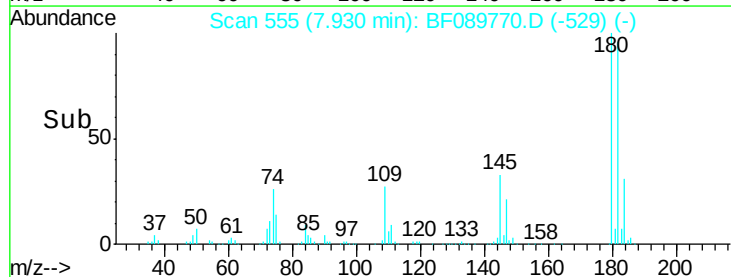
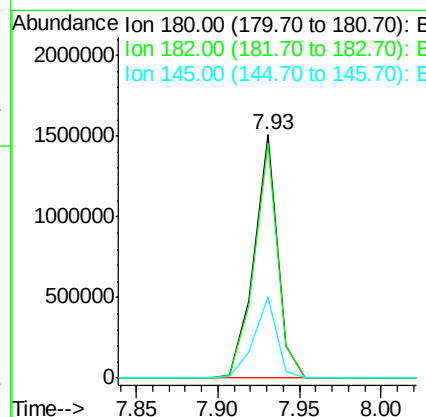
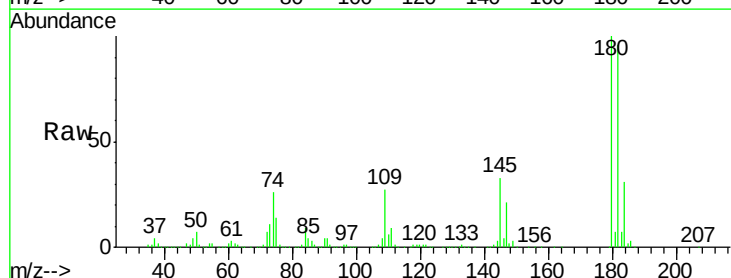
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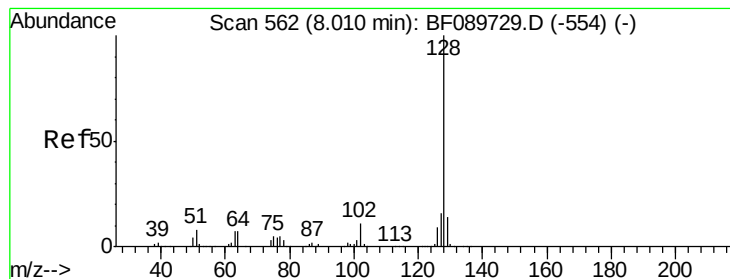
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#30
1,2,4-Trichlorobenzene
Concen: 34.35 ng
RT: 7.93 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF089770.D
Acq: 17 Aug 2016 18:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.5	113.3
145	33.4	28.7	43.1





#31

Naphthalene

Concen: 36.71 ng

RT: 8.01 min Scan# 562

Delta R.T. 0.00 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

Instrument :

BNA_F

ClientSampleId :

LOCATION-7A-9-11MS

Tot Ion:128 Resp: 4947654

Ion Ratio Lower Upper

128 100

129 13.4 9.5 14.3

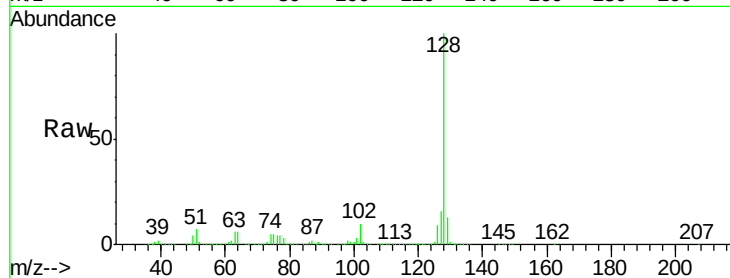
127 15.9 11.3 16.9

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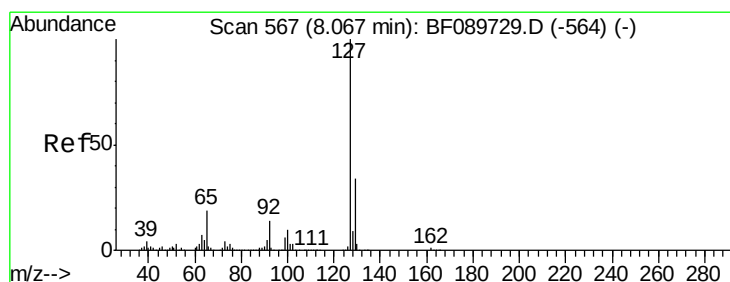
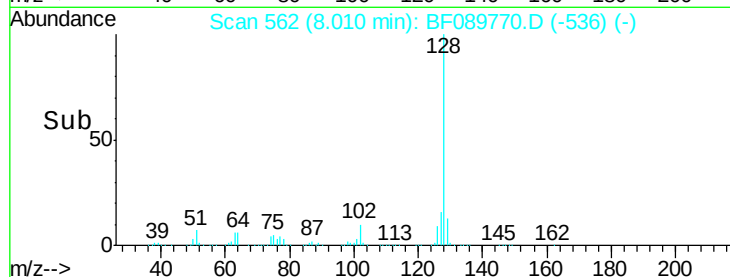
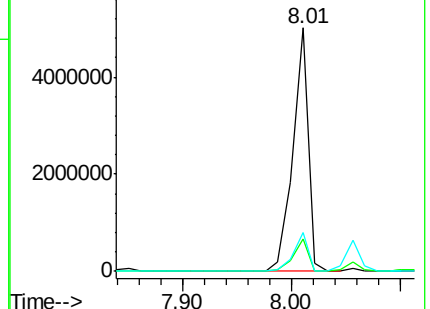
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 9.92 ng

RT: 8.06 min Scan# 566

Delta R.T. -0.01 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

Tgt Ion:127 Resp: 618428

Ion Ratio Lower Upper

127 100

129 32.5 27.0 40.6

65 30.1 14.7 22.1#

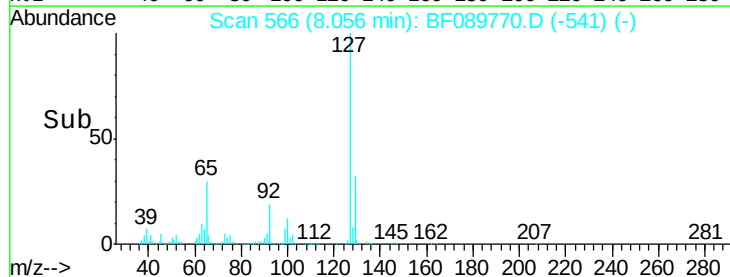
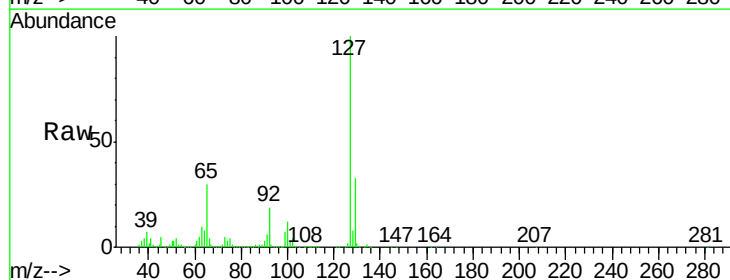
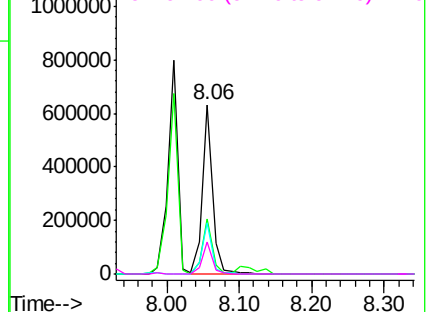
92 18.7 11.7 17.5#

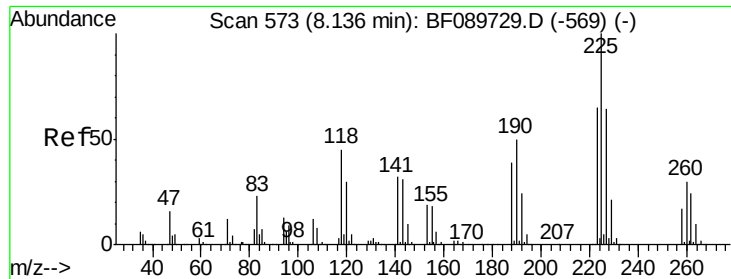
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#34

Hexachlorobutadiene

Concen: 35.31 ng

RT: 8.14 min Scan# 573

Delta R.T. 0.00 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

Instrument :

BNA_F

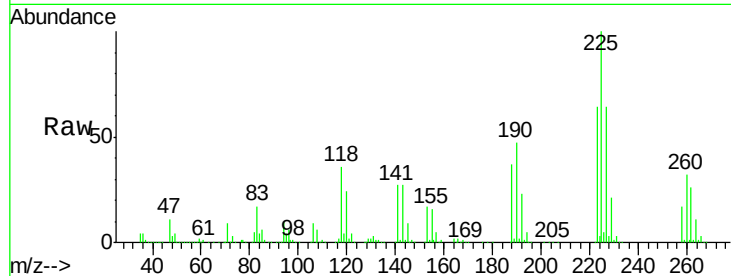
ClientSampleId :

LOCATION-7A-9-11MS

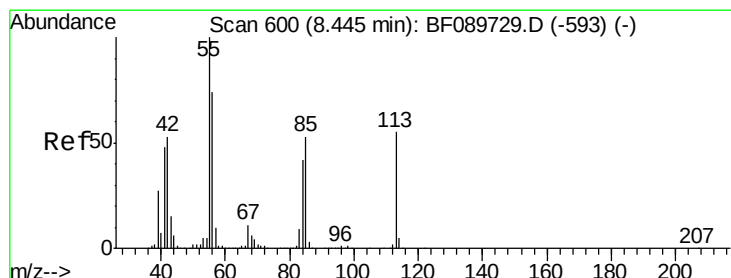
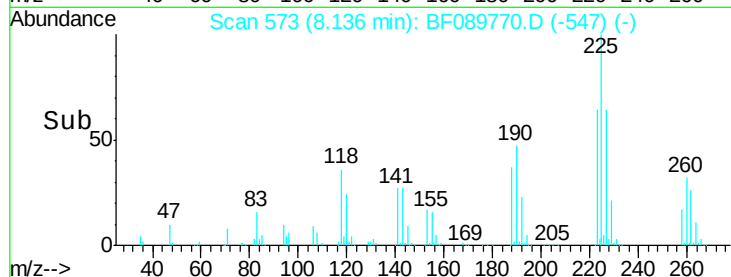
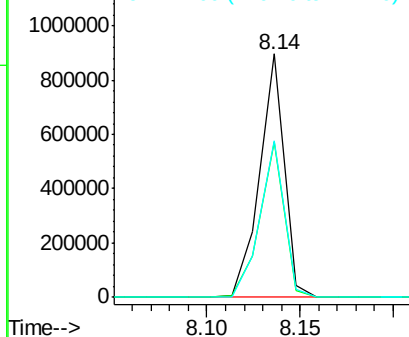
Tot Ion:	225	Resp:	817922
Ion Ratio		Lower	Upper
225	100		
223	64.0	51.0	76.6
227	64.5	49.8	74.6

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Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E



#35

Caprolactam

Concen: 36.26 ng m

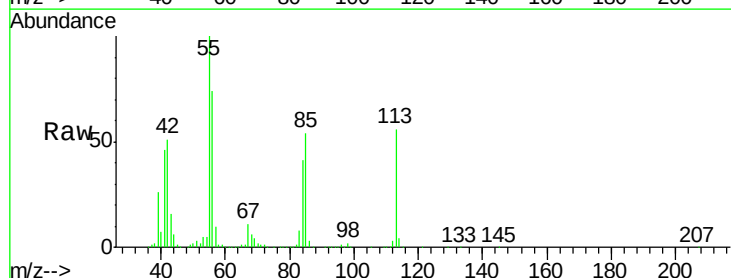
RT: 8.43 min Scan# 599

Delta R.T. -0.01 min

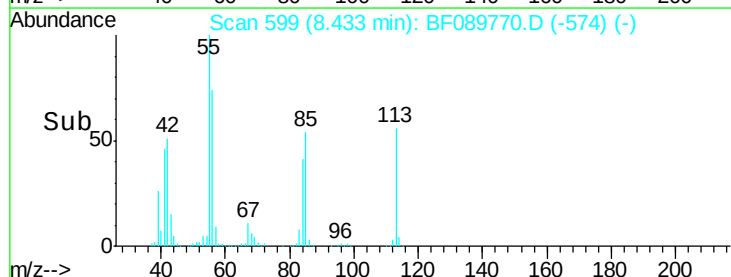
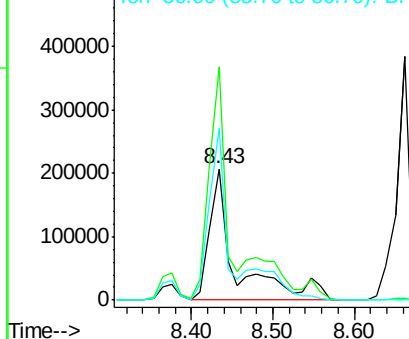
Lab File: BF089770.D

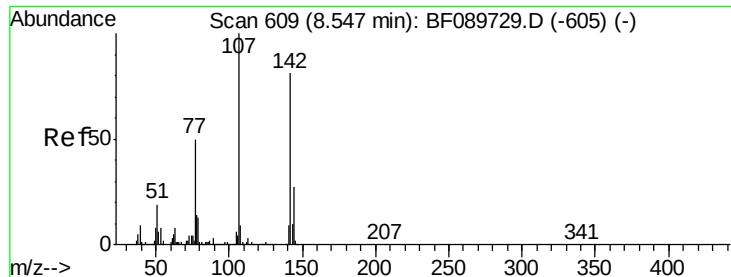
Acq: 17 Aug 2016 18:33

Tgt Ion:	113	Resp:	458961
Ion Ratio		Lower	Upper
113	100		
55	177.7	135.9	175.9#
56	130.6	93.9	133.9



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0





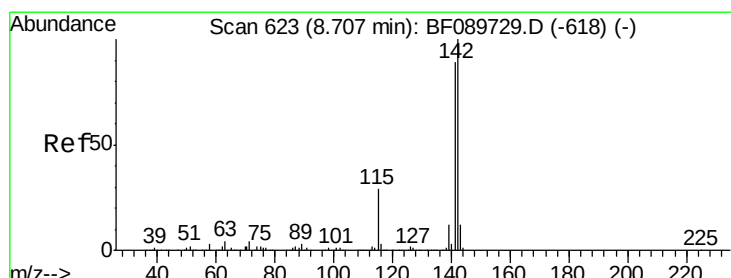
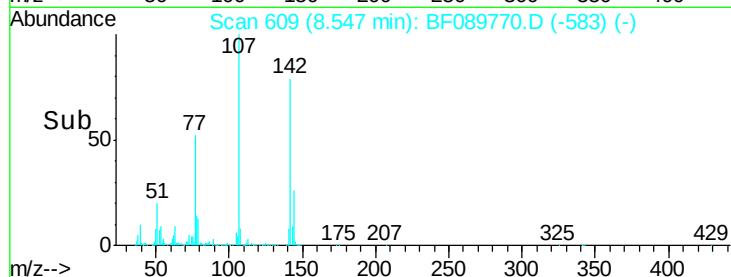
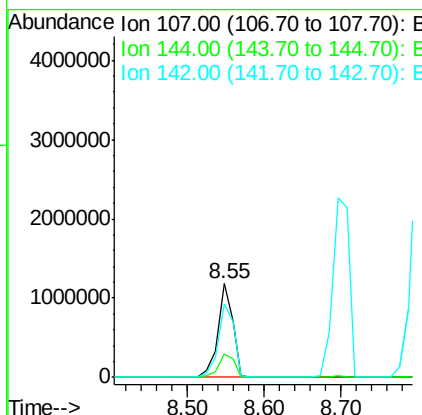
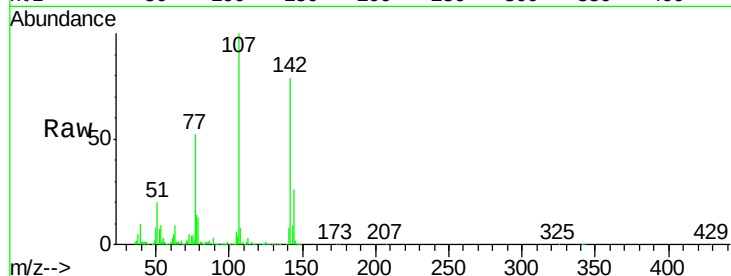
#36
4-Chloro-3-methylphenol
Concen: 35.65 ng
RT: 8.55 min Scan# 609
Delta R.T. 0.00 min
Lab File: BF089770.D
Acq: 17 Aug 2016 18:33

Instrument :
BNA_F
ClientSampleId :
LOCATION-7A-9-11MS

Tot Ion	Ratio	Lower	Upper
107	100		
144	25.7	22.6	34.0
142	78.6	69.3	103.9

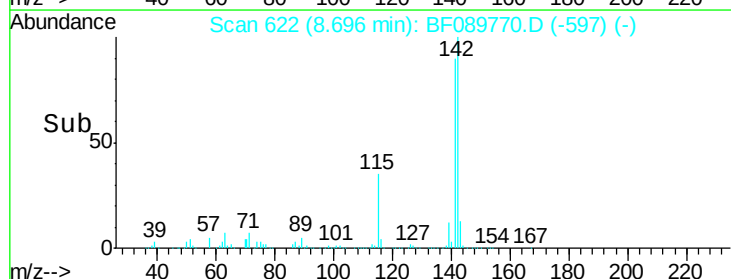
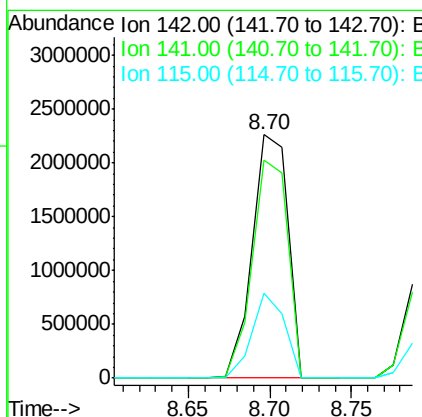
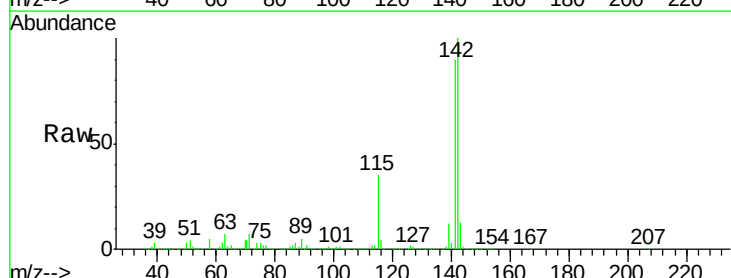
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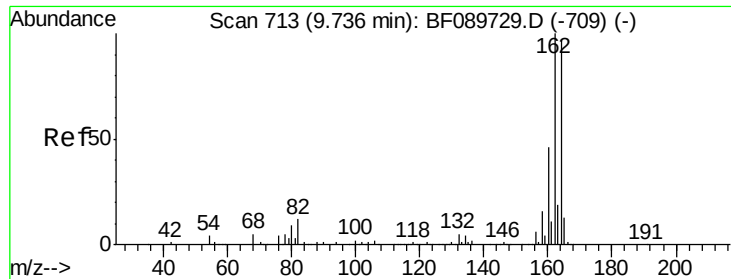
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#37
2-Methylnaphthalene
Concen: 37.44 ng
RT: 8.70 min Scan# 622
Delta R.T. -0.01 min
Lab File: BF089770.D
Acq: 17 Aug 2016 18:33

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.4	107.2
115	34.7	22.7	34.1#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.74 min Scan# 713

Delta R.T. 0.00 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

Instrument :

BNA_F

ClientSampleId :

LOCATION-7A-9-11MS

Tot Ion:164 Resp: 1386903

Ion Ratio Lower Upper

164 100

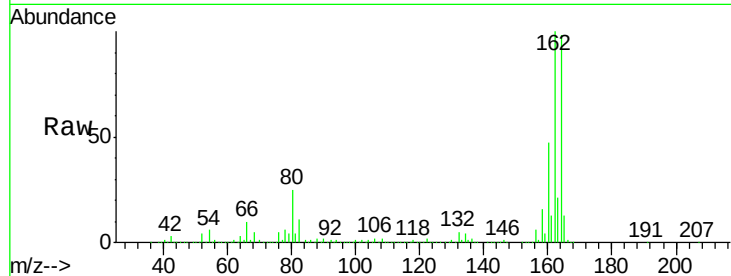
162 102.5 81.4 122.2

160 47.7 37.8 56.6

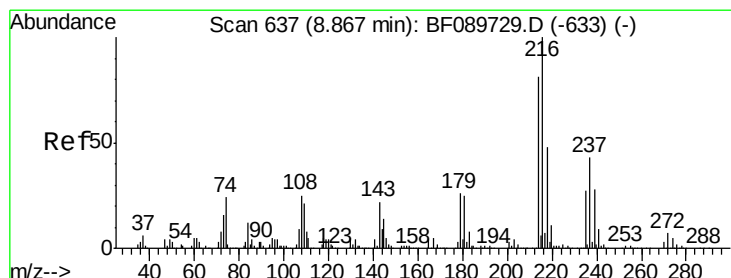
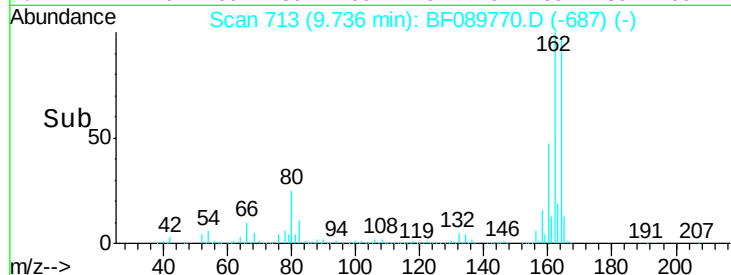
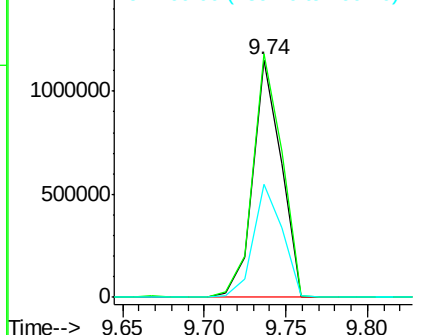
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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#39

1,2,4,5-Tetrachlorobenzene

Concen: 25.57 ng

RT: 8.87 min Scan# 637

Delta R.T. 0.00 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

Tgt Ion:216 Resp: 1140227

Ion Ratio Lower Upper

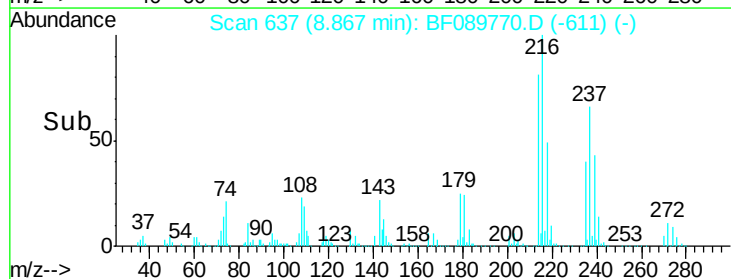
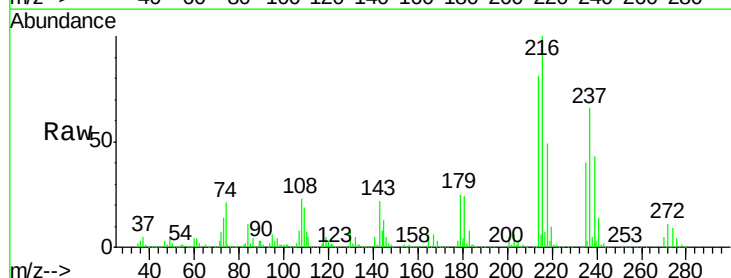
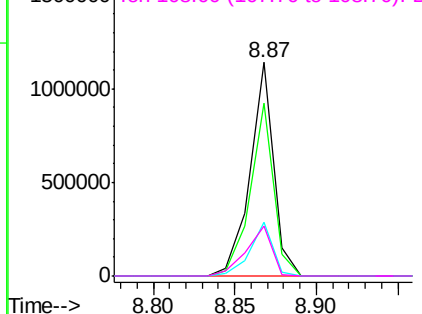
216 100

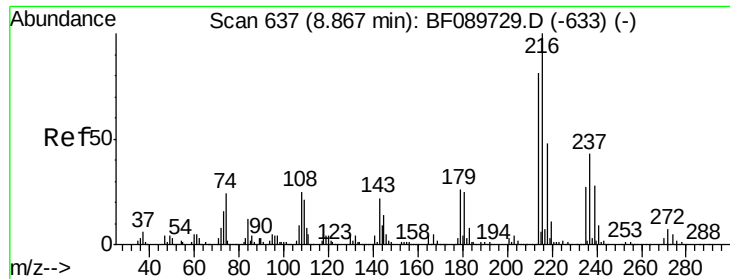
214 80.1 63.5 95.3

179 24.0 19.9 29.9

108 25.5 19.9 29.9

Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E





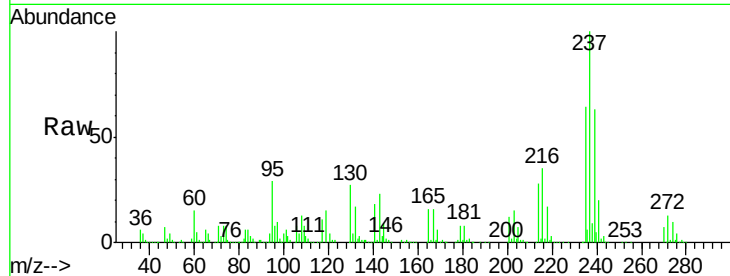
#40
Hexachlorocyclopentadiene
Concen: 67.84 ng
RT: 8.86 min Scan# 636
Delta R.T. -0.01 min
Lab File: BF089770.D
Acq: 17 Aug 2016 18:33

Instrument :
BNA_F
ClientSampleId :
LOCATION-7A-9-11MS

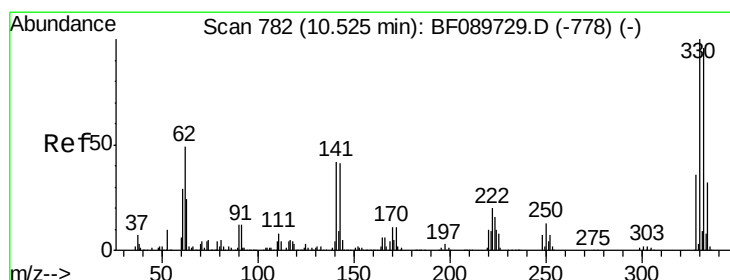
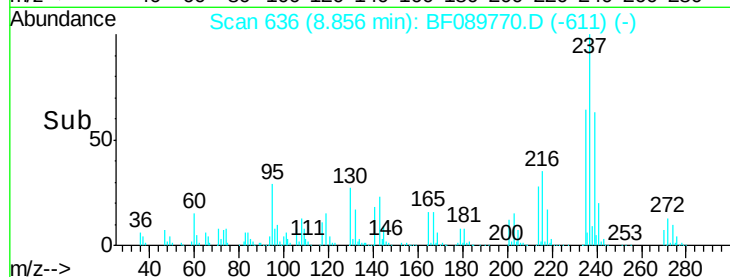
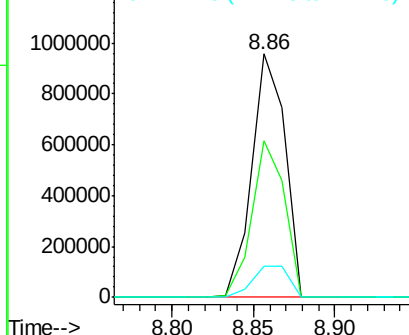
Tot Ion:237 Resp: 1347928
Ion Ratio Lower Upper
237 100
235 64.5 43.7 83.7
272 12.7 0.0 31.6

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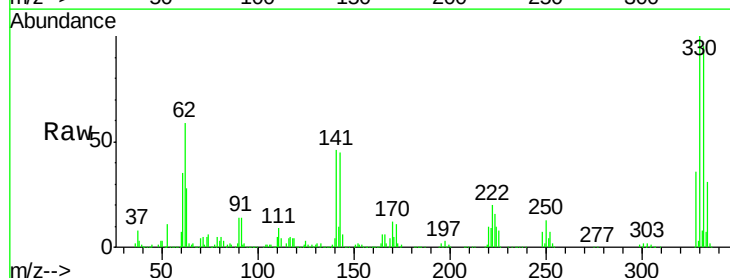


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

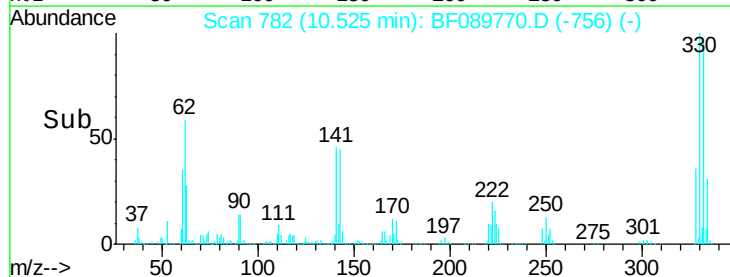
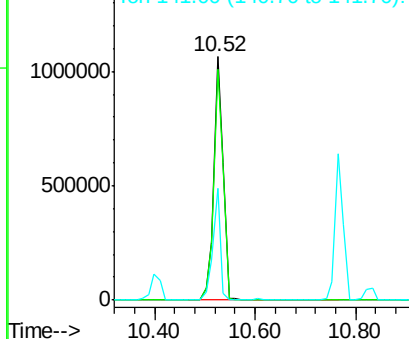


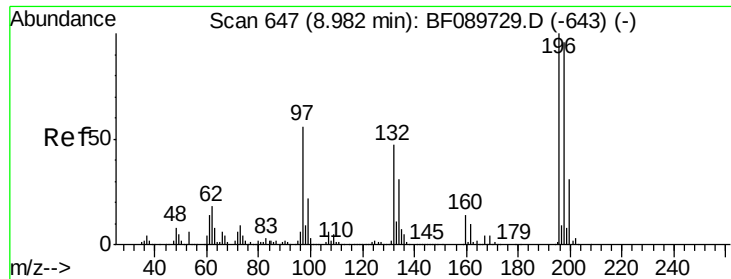
#41
2,4,6-Tribromophenol
Concen: 102.61 ng
RT: 10.52 min Scan# 782
Delta R.T. 0.00 min
Lab File: BF089770.D
Acq: 17 Aug 2016 18:33

Tgt Ion:330 Resp: 1376785
Ion Ratio Lower Upper
330 100
332 96.3 76.7 115.1
141 36.7 30.2 45.2



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





#42

2,4,6-Trichlorophenol

Concen: 40.09 ng

RT: 8.98 min Scan# 647

Delta R.T. 0.00 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

Instrument :

BNA_F

ClientSampleId :

LOCATION-7A-9-11MS

Tot Ion:196 Resp: 1154729

Ion Ratio Lower Upper

196 100

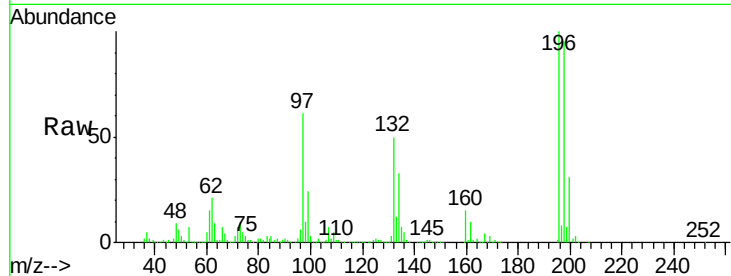
198 95.5 76.3 114.5

200 31.1 24.6 36.8

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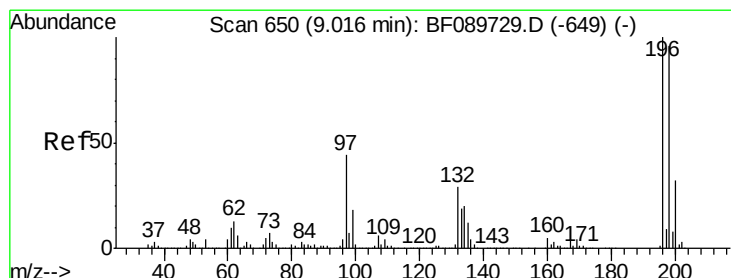
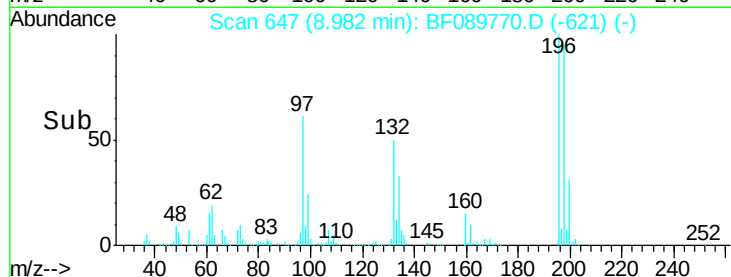
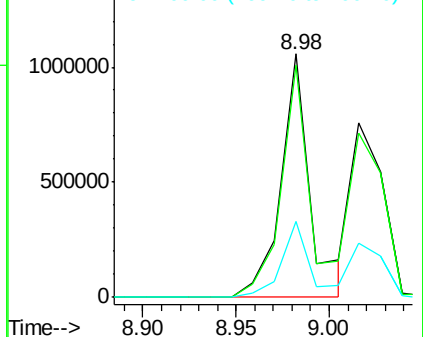
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Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#43

2,4,5-Trichlorophenol

Concen: 33.31 ng

RT: 9.02 min Scan# 650

Delta R.T. 0.00 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

Tgt Ion:196 Resp: 914784

Ion Ratio Lower Upper

196 100

198 94.3 76.6 114.8

97 67.2 35.8 53.8#

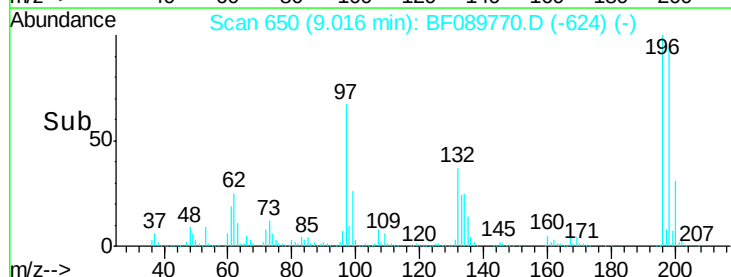
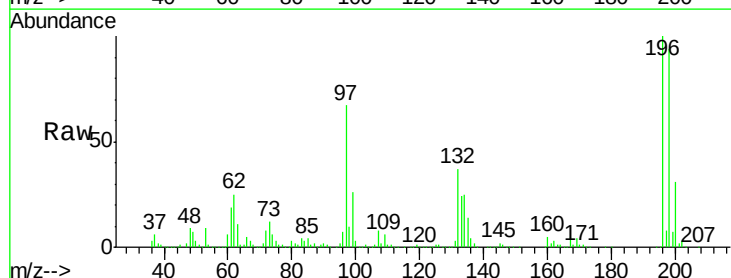
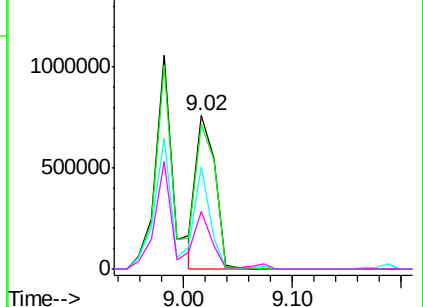
132 37.3 23.5 35.3#

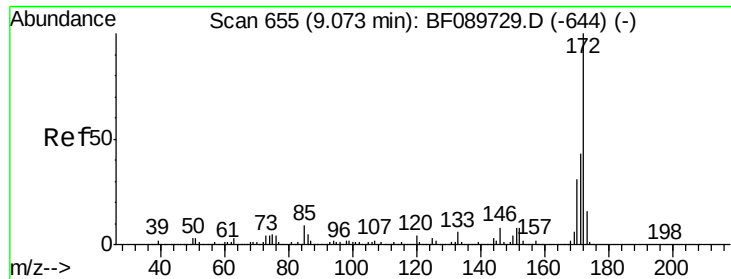
Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E





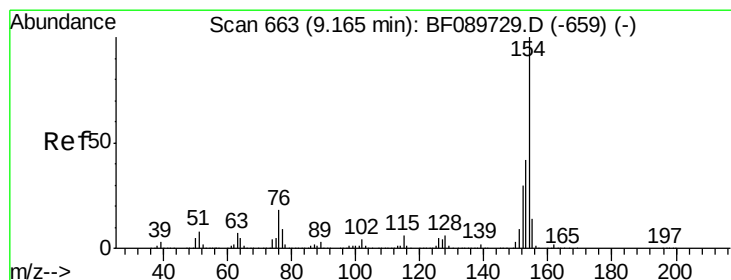
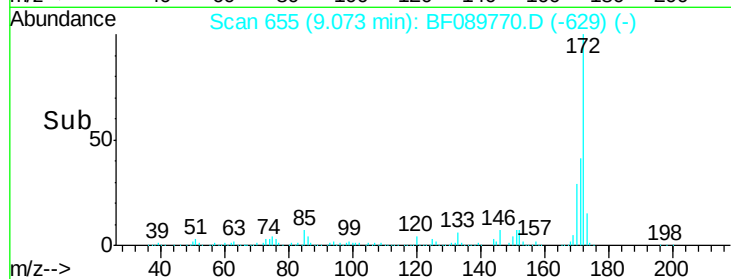
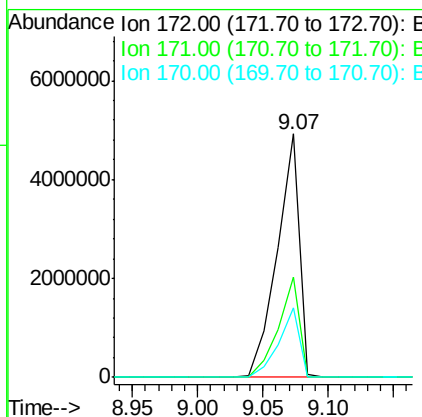
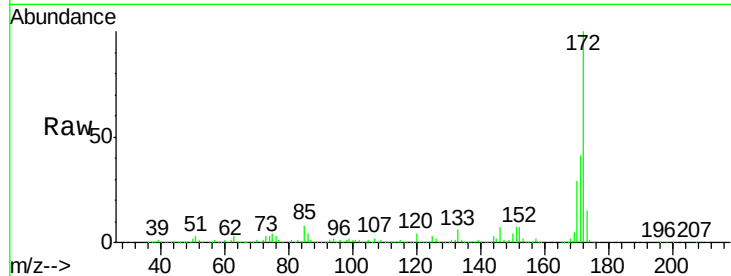
#44
2-Fluorobiphenyl
Concen: 67.99 ng
RT: 9.07 min Scan# 655
Delta R.T. 0.00 min
Lab File: BF089770.D
Acq: 17 Aug 2016 18:33

Instrument :
BNA_F
ClientSampleId :
LOCATION-7A-9-11MS

Tot Ion:172 Resp: 5876407
Ion Ratio Lower Upper
172 100
171 41.2 30.5 45.7
170 28.8 20.6 31.0

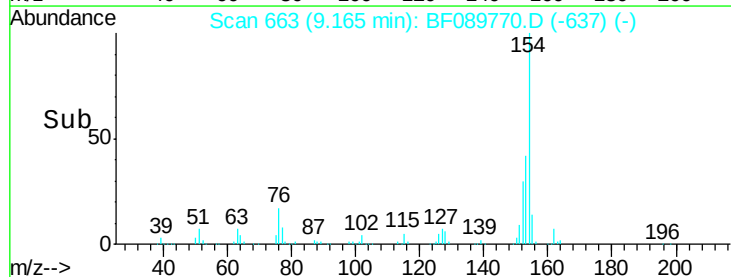
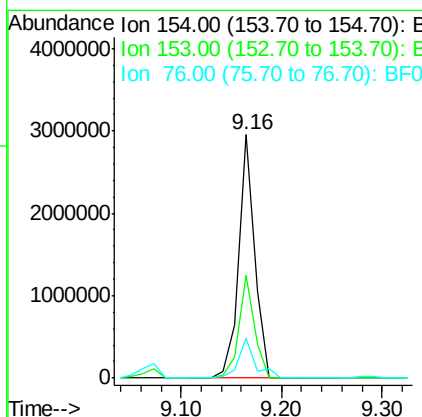
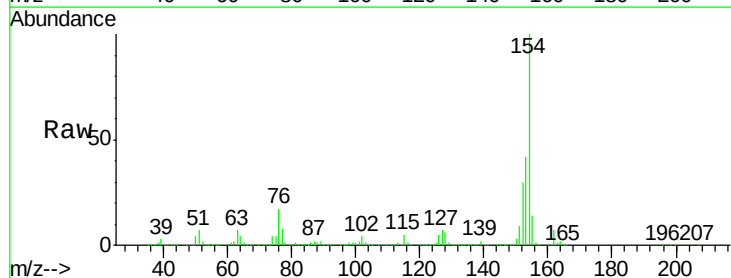
Manual Integrations
APPROVED

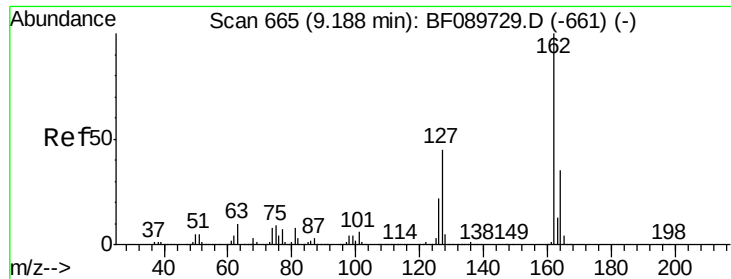
sohil
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#45
1,1'-Biphenyl
Concen: 28.21 ng
RT: 9.16 min Scan# 663
Delta R.T. 0.00 min
Lab File: BF089770.D
Acq: 17 Aug 2016 18:33

Tgt Ion:154 Resp: 3240235
Ion Ratio Lower Upper
154 100
153 42.3 21.5 61.5
76 16.5 0.0 36.7





#46

2-Chloronaphthalene

Concen: 34.72 ng

RT: 9.19 min Scan# 665

Delta R.T. 0.00 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

Instrument :

BNA_F

ClientSampleId :

LOCATION-7A-9-11MS

Tot Ion:162 Resp: 2988316

Ion Ratio Lower Upper

162 100

127 43.5 35.5 53.3

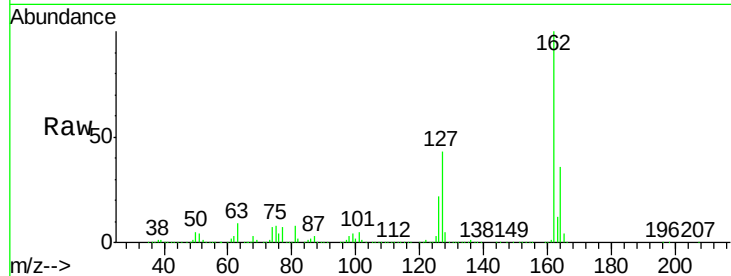
164 35.6 26.6 40.0

Manual Integrations

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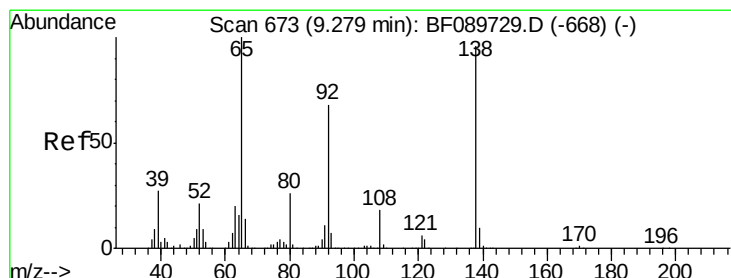
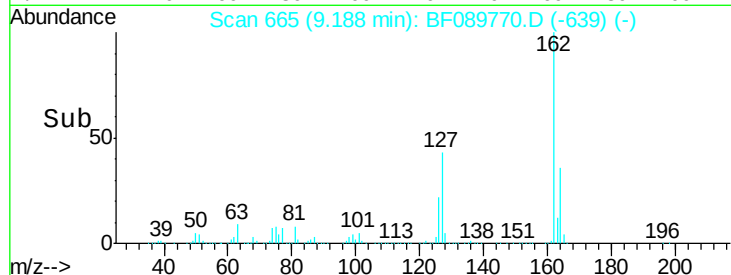
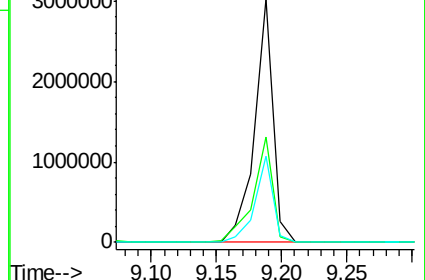
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Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#47

2-Nitroaniline

Concen: 37.92 ng

RT: 9.28 min Scan# 673

Delta R.T. 0.00 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

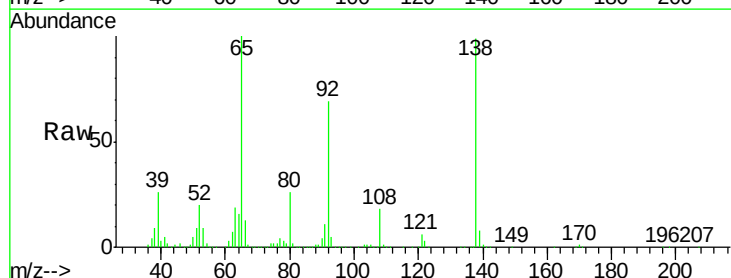
Tgt Ion: 65 Resp: 994504

Ion Ratio Lower Upper

65 100

92 68.7 56.3 84.5

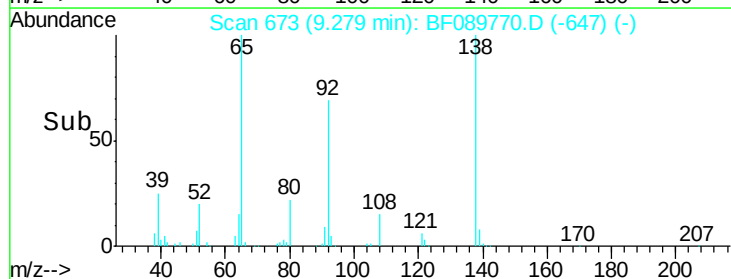
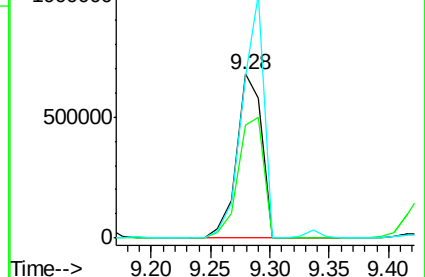
138 99.1 81.8 122.8

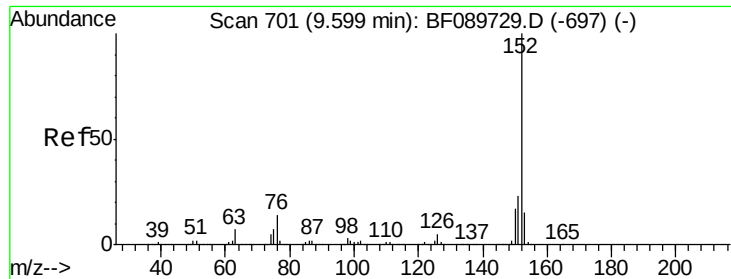


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 33.63 ng

RT: 9.60 min Scan# 701

Delta R.T. 0.00 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

Instrument :

BNA_F

ClientSampleId :

LOCATION-7A-9-11MS

Tot Ion:152 Resp: 4455483

Ion Ratio Lower Upper

152 100

151 23.0 17.1 25.7

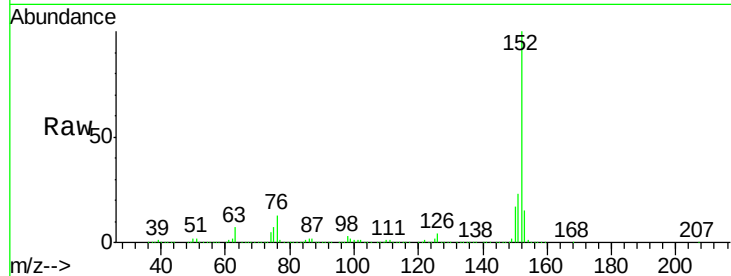
153 15.4 11.2 16.8

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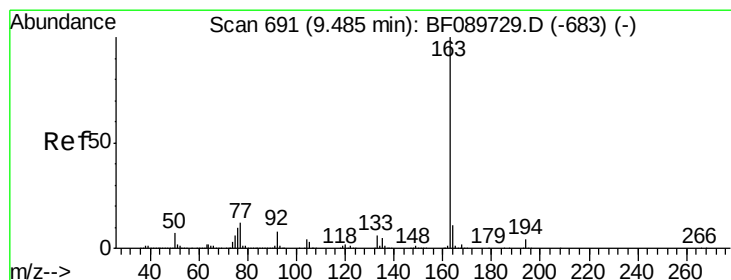
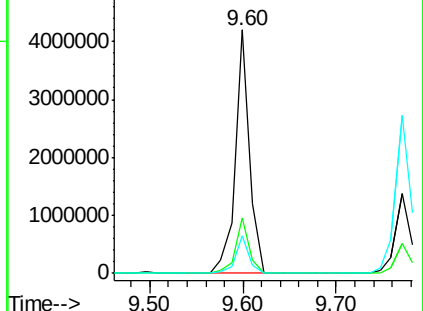
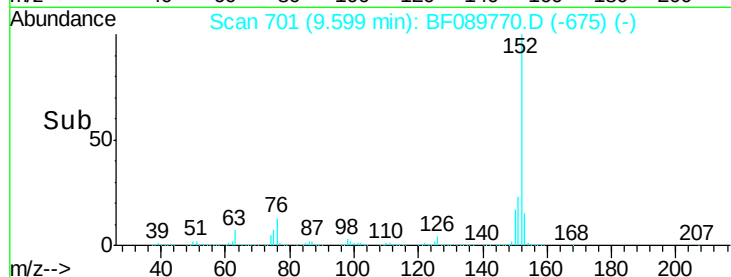
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 54.53 ng

RT: 9.48 min Scan# 691

Delta R.T. 0.00 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

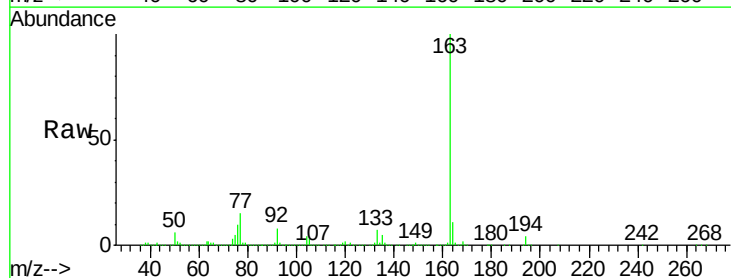
Tgt Ion:163 Resp: 5472445

Ion Ratio Lower Upper

163 100

194 4.1 2.6 3.8#

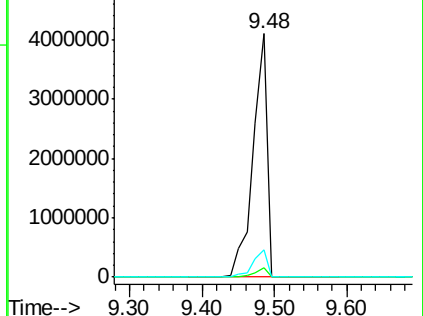
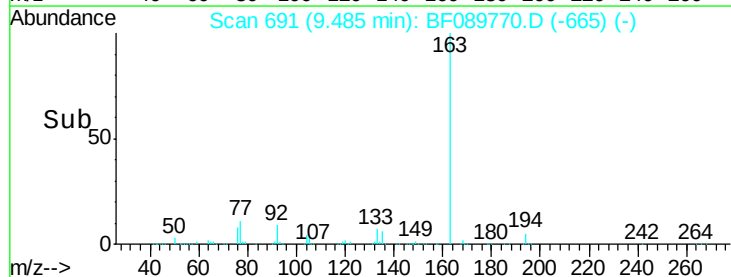
164 11.2 8.6 12.8

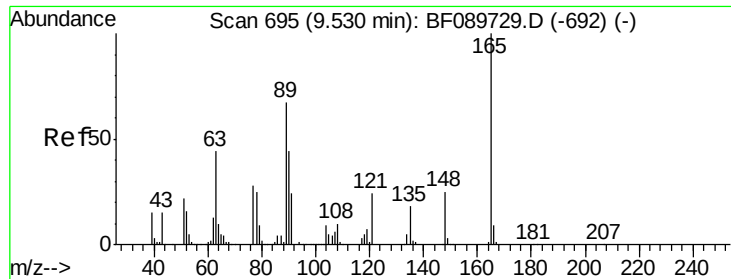


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





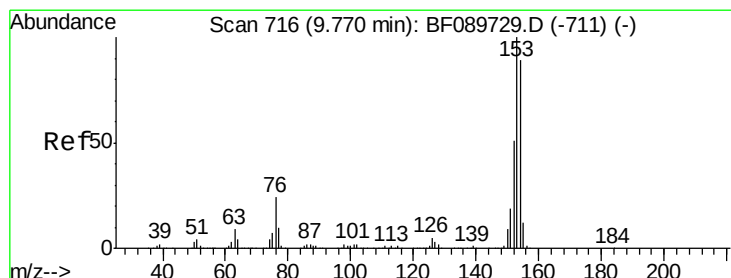
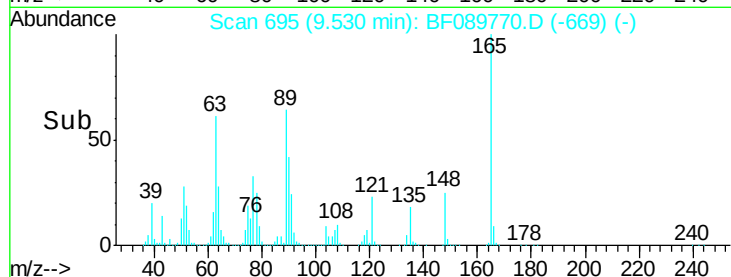
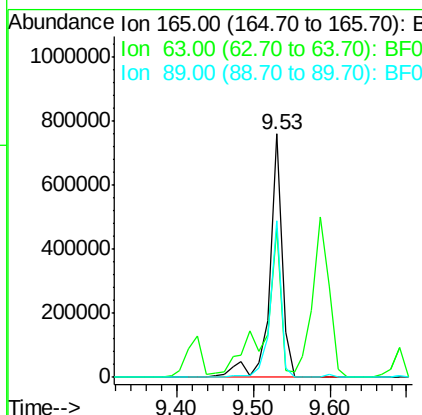
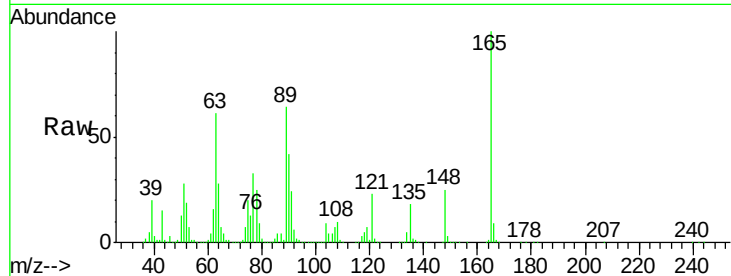
#50
 2,6-Dinitrotoluene
 Concen: 36.95 ng
 RT: 9.53 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: BF089770.D
 Acq: 17 Aug 2016 18:33

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-7A-9-11MS

Tot Ion	Ratio	Lower	Upper
165	100		
63	61.0	41.7	62.5
89	64.2	44.6	67.0

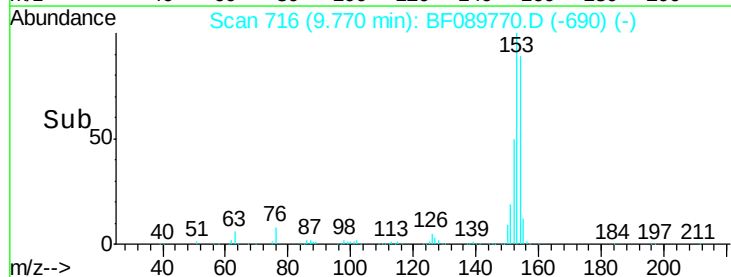
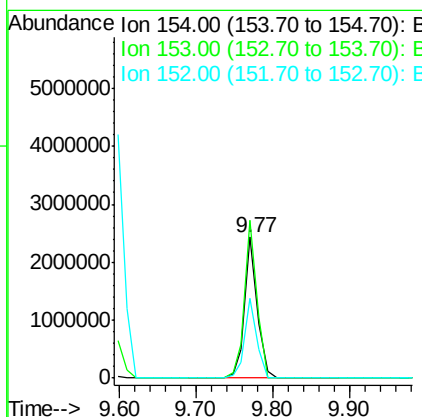
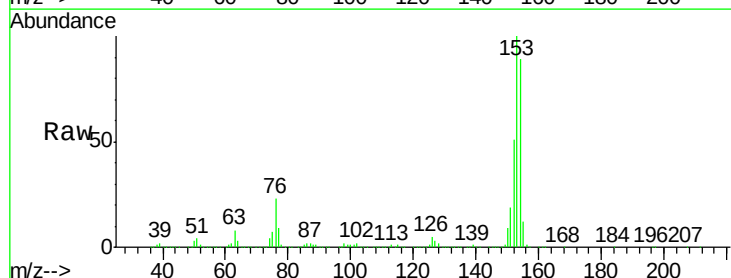
Manual Integrations
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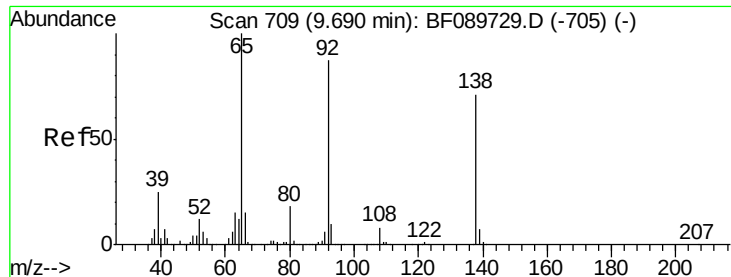
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#51
 Acenaphthene
 Concen: 31.36 ng
 RT: 9.77 min Scan# 716
 Delta R.T. 0.00 min
 Lab File: BF089770.D
 Acq: 17 Aug 2016 18:33

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.9	90.5	135.7
152	56.6	44.6	67.0





#52

3-Nitroaniline

Concen: 17.84 ng

RT: 9.69 min Scan# 709

Delta R.T. 0.00 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

Instrument :

BNA_F

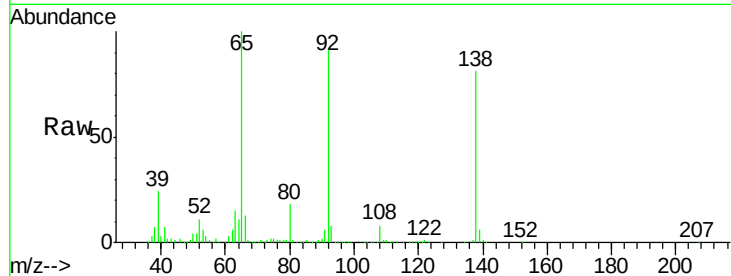
ClientSampleId :

LOCATION-7A-9-11MS

Tot Ion:	138	Resp:	471210
Ion Ratio	Lower	Upper	
138	100		
108	9.6	8.1	12.1
92	113.5	92.7	139.1

Manual Integrations
APPROVED

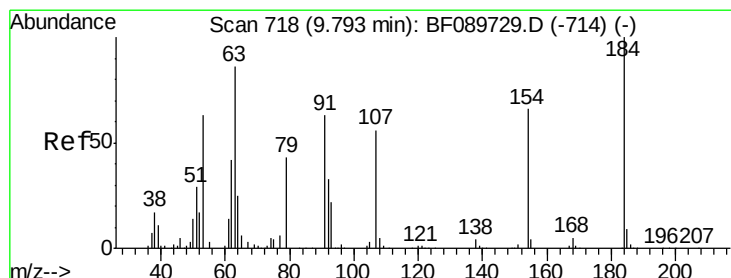
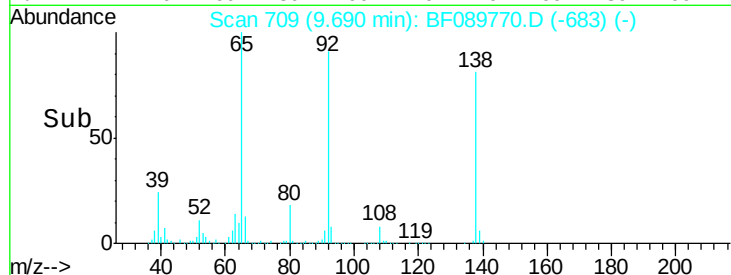
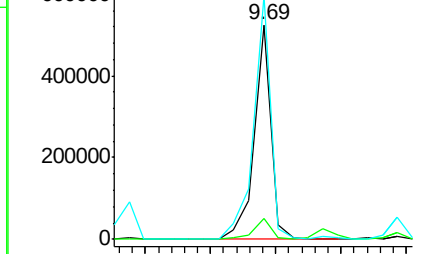
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Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0



#53

2,4-Dinitrophenol

Concen: 17.35 ng

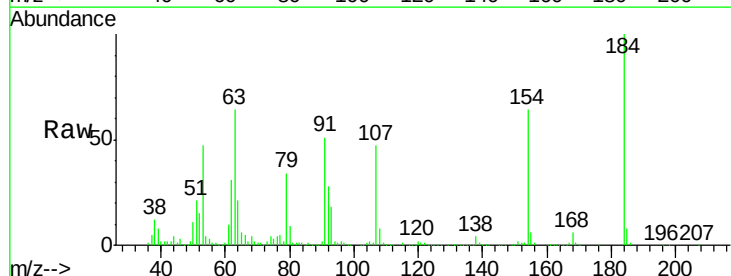
RT: 9.79 min Scan# 718

Delta R.T. 0.00 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

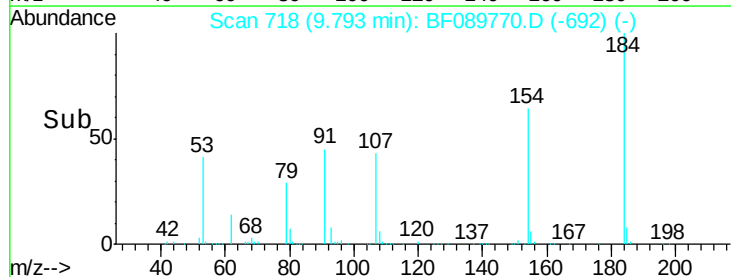
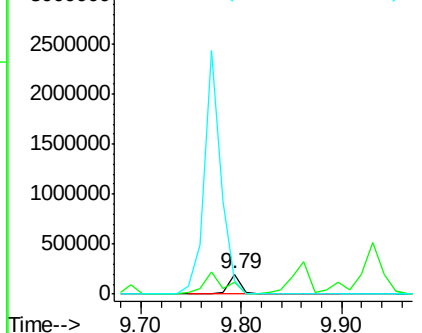
Tgt Ion:	184	Resp:	161458
Ion Ratio	Lower	Upper	
184	100		
63	63.7	54.2	81.4
154	64.3	52.7	79.1

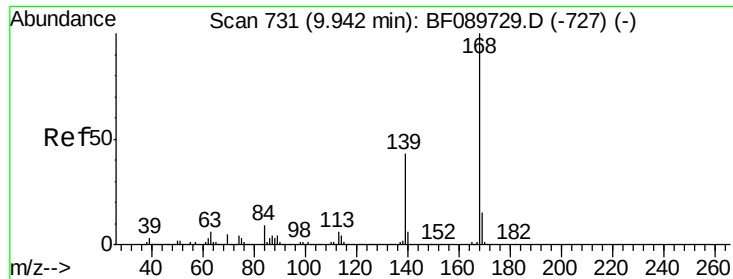


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





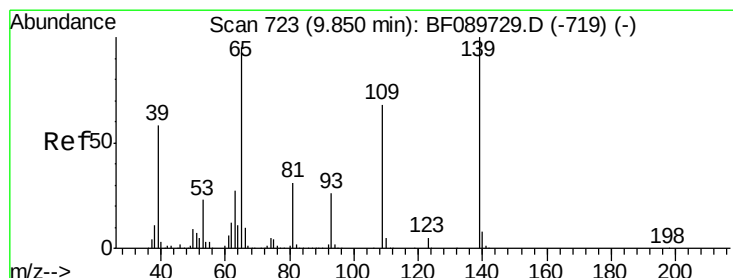
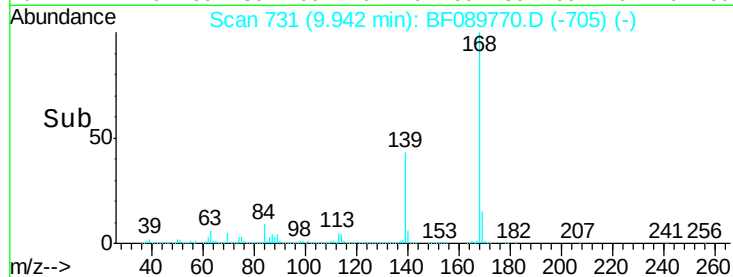
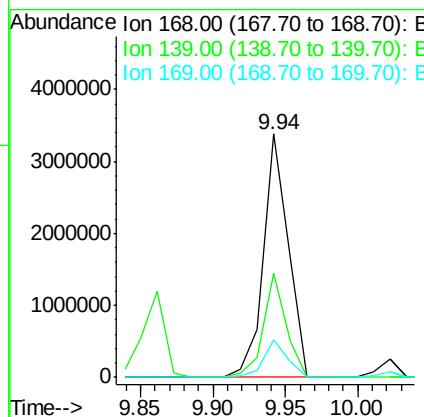
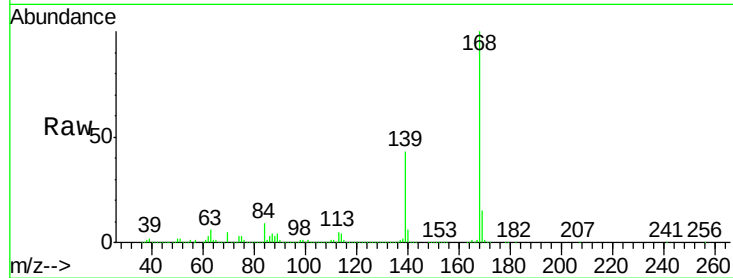
#54
Dibenzofuran
Concen: 36.38 ng
RT: 9.94 min Scan# 731
Delta R.T. 0.00 min
Lab File: BF089770.D
Acq: 17 Aug 2016 18:33

Instrument :
BNA_F
ClientSampleId :
LOCATION-7A-9-11MS

Tot Ion:168 Resp: 4003098
Ion Ratio Lower Upper
168 100
139 42.9 34.6 52.0
169 15.2 11.5 17.3

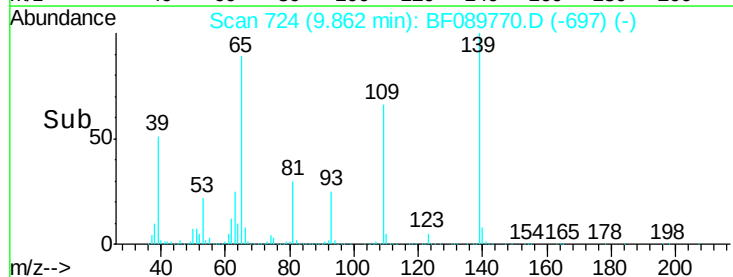
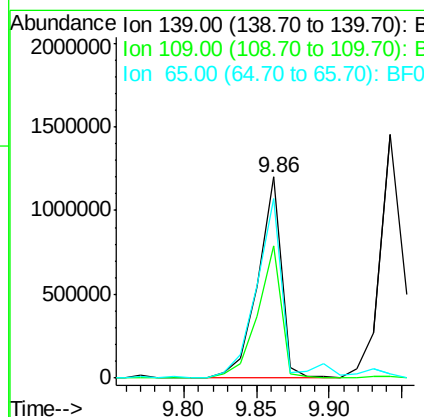
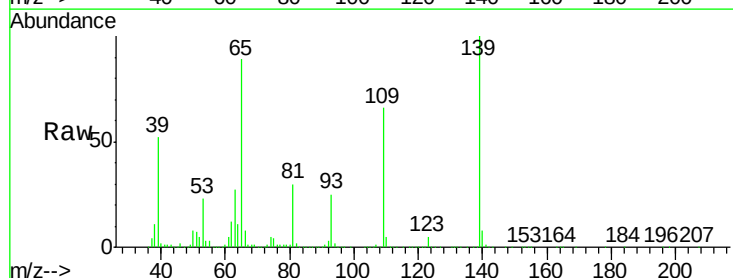
Manual Integrations
APPROVED

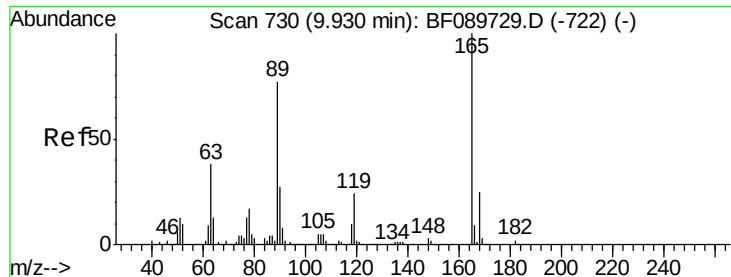
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#55
4-Nitrophenol
Concen: 66.55 ng
RT: 9.86 min Scan# 724
Delta R.T. 0.01 min
Lab File: BF089770.D
Acq: 17 Aug 2016 18:33

Tgt Ion:139 Resp: 1351932
Ion Ratio Lower Upper
139 100
109 66.0 43.0 83.0
65 89.3 55.7 95.7





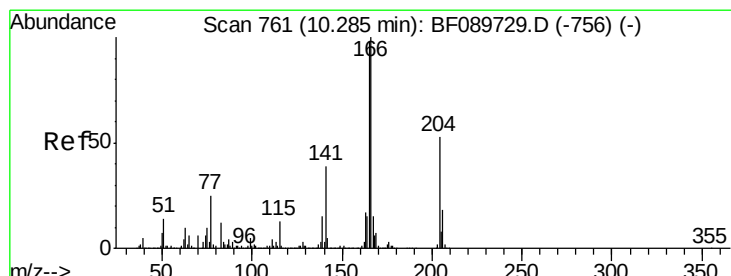
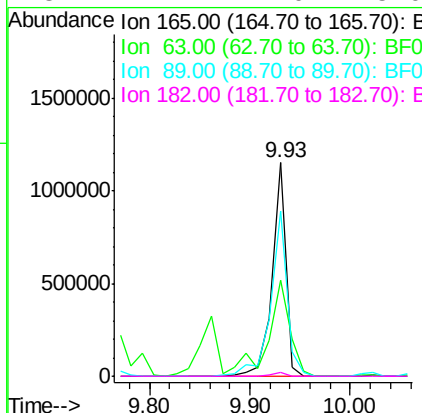
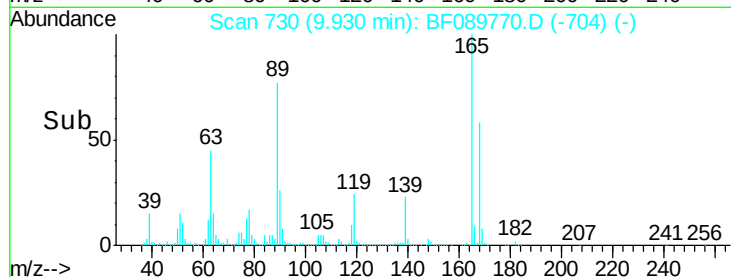
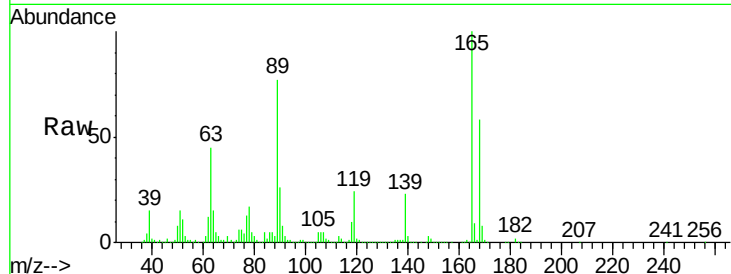
#56
 2,4-Dinitrotoluene
 Concen: 37.14 ng
 RT: 9.93 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: BF089770.D
 Acq: 17 Aug 2016 18:33

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-7A-9-11MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		1084214		
63	45.2	23.7		35.5#	
89	77.2	44.0		66.0#	
182	2.1	2.0		3.0	

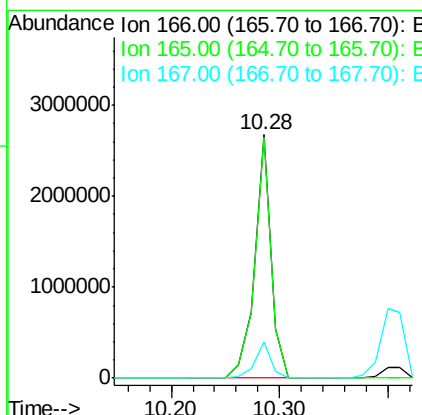
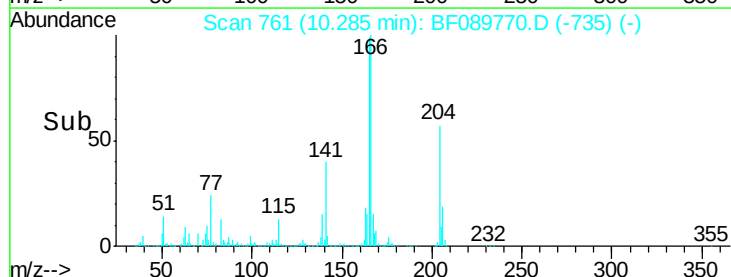
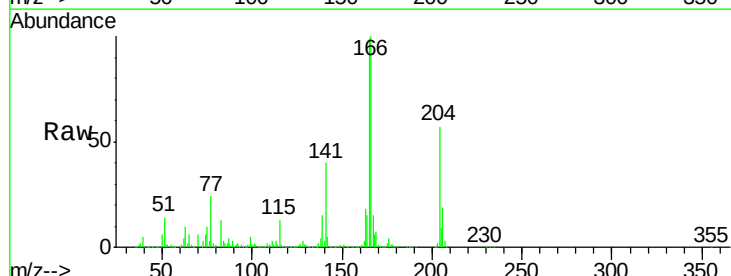
Manual Integrations
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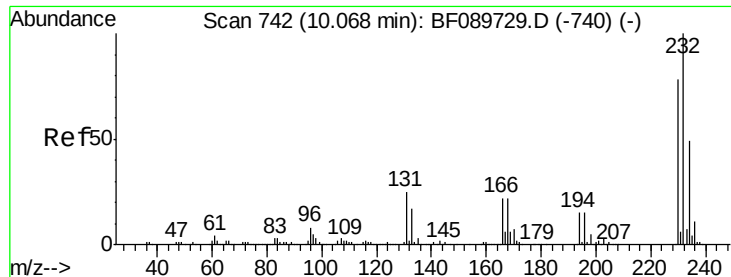
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#57
 Fluorene
 Concen: 31.60 ng
 RT: 10.28 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: BF089770.D
 Acq: 17 Aug 2016 18:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		2809446		
165	99.0	80.2		120.4	
167	14.8	11.3		16.9	





#58

2,3,4,6-Tetrachlorophenol

Concen: 38.04 ng

RT: 10.07 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

Instrument :

BNA_F

ClientSampleId :

LOCATION-7A-9-11MS

Tot Ion:232 Resp: 815992
Ion Ratio Lower Upper

232 100

131 51.3 42.5 63.7

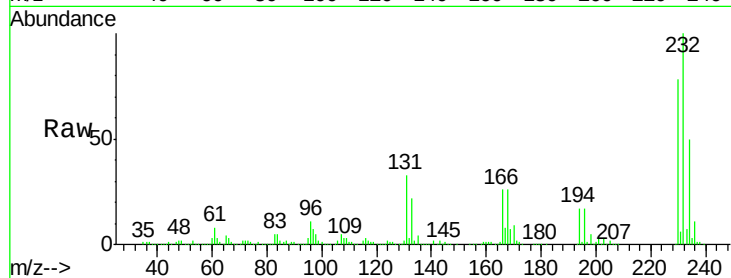
130 2.4 2.2 3.4

166 34.0 27.3 40.9

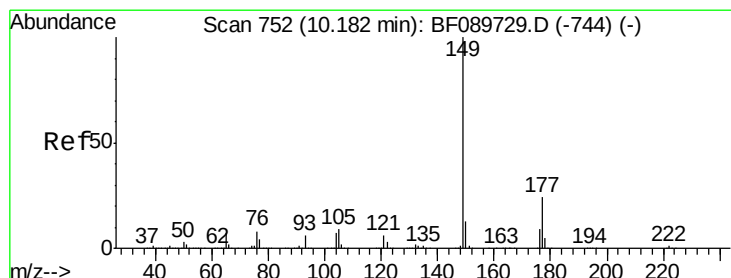
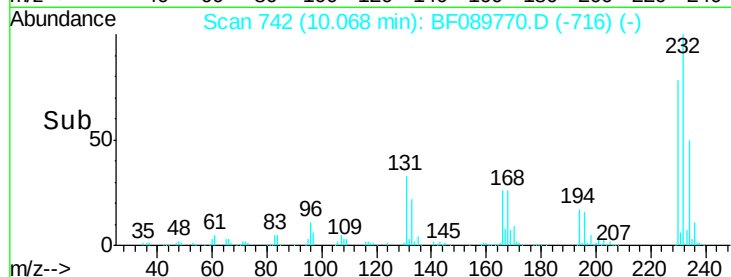
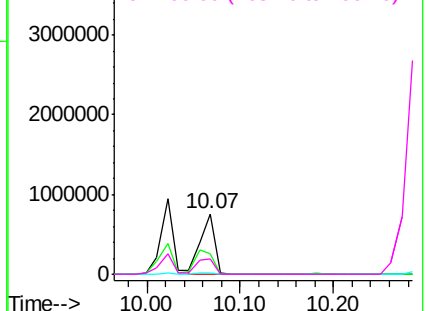
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Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E



#59

Diethylphthalate

Concen: 37.30 ng

RT: 10.18 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF089770.D

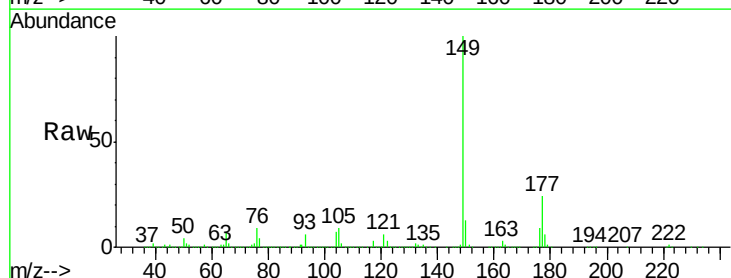
Acq: 17 Aug 2016 18:33

Tgt Ion:149 Resp: 3794838
Ion Ratio Lower Upper

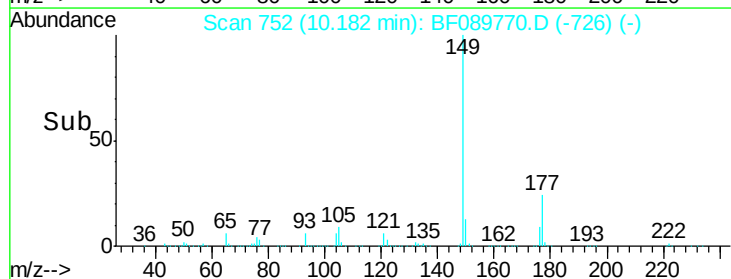
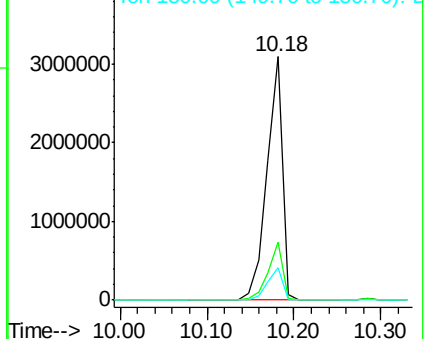
149 100

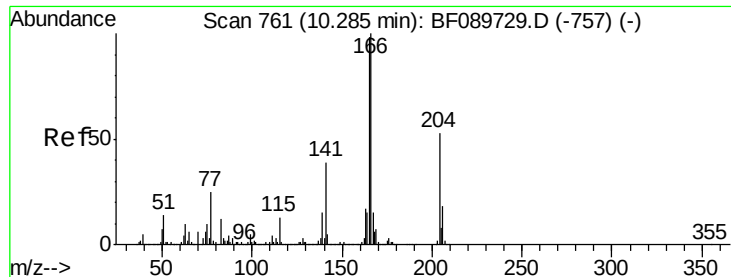
177 23.7 16.6 25.0

150 13.2 10.5 15.7



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E





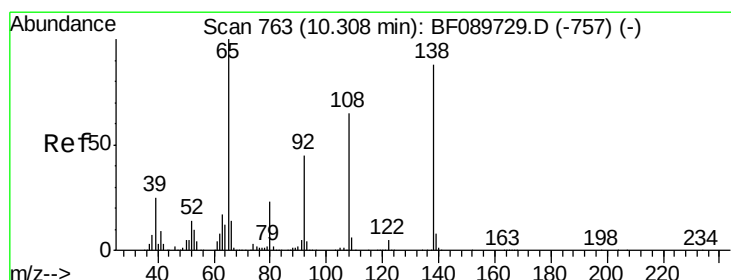
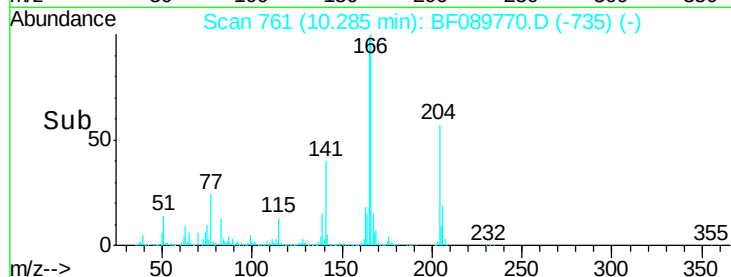
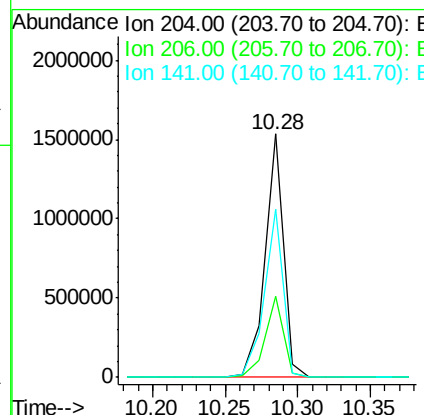
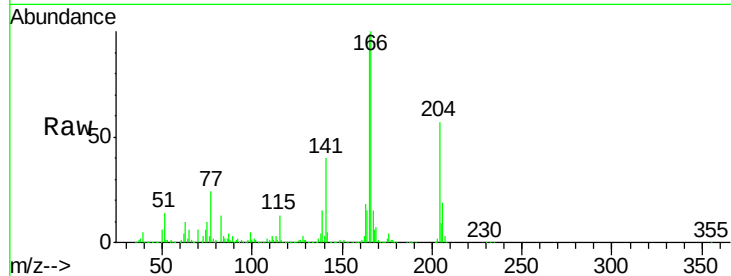
#60
4-Chlorophenyl-phenylether
Concen: 30.96 ng
RT: 10.28 min Scan# 761
Delta R.T. 0.00 min
Lab File: BF089770.D
Acq: 17 Aug 2016 18:33

Instrument :
BNA_F
ClientSampleId :
LOCATION-7A-9-11MS

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.5	39.7
141	69.3	54.1	81.1

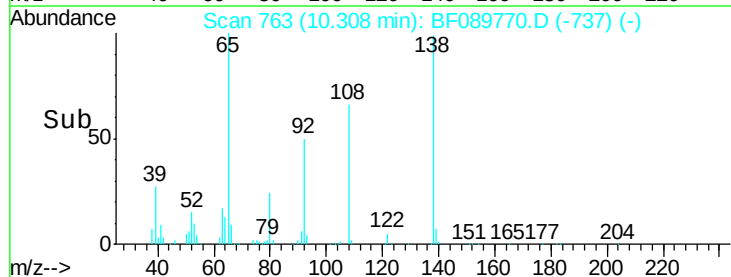
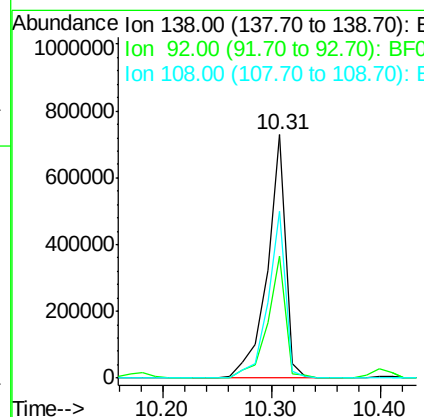
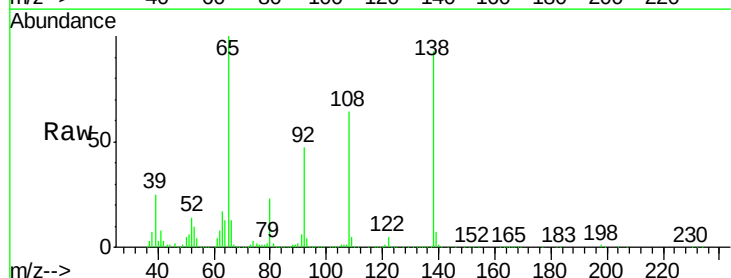
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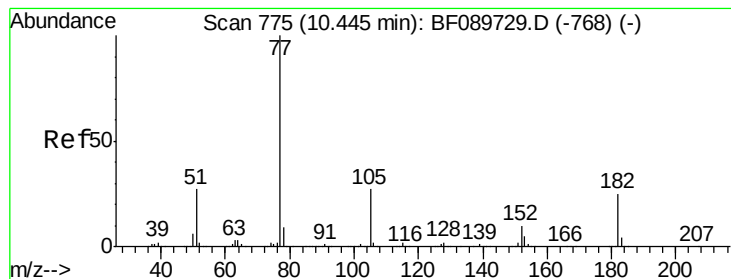
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#61
4-Nitroaniline
Concen: 33.65 ng
RT: 10.31 min Scan# 763
Delta R.T. 0.00 min
Lab File: BF089770.D
Acq: 17 Aug 2016 18:33

Tgt Ion	Ratio	Lower	Upper
138	100		
92	50.3	26.4	66.4
108	68.5	47.0	87.0





#62

Azobenzene

Concen: 40.91 ng

RT: 10.44 min Scan# 775

Delta R.T. 0.00 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

Instrument :

BNA_F

ClientSampleId :

LOCATION-7A-9-11MS

Tot Ion: 77 Resp: 3933714

Ion Ratio Lower Upper

77 100

182 27.6 5.6 45.6

105 27.8 4.0 44.0

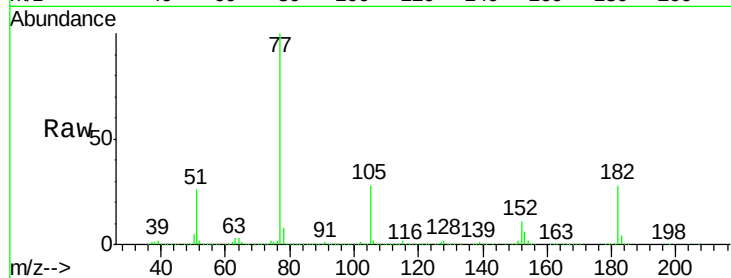
51 26.1 7.8 47.8

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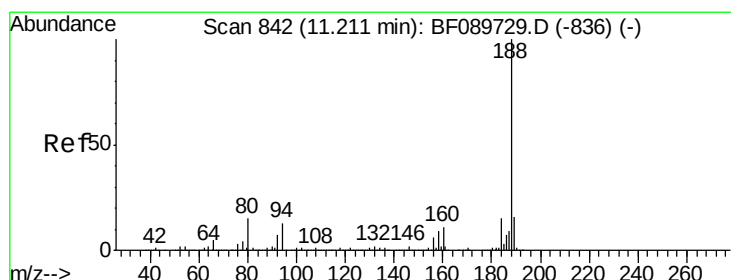
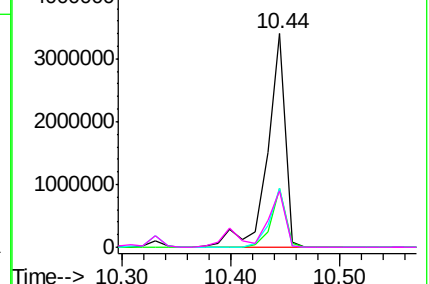
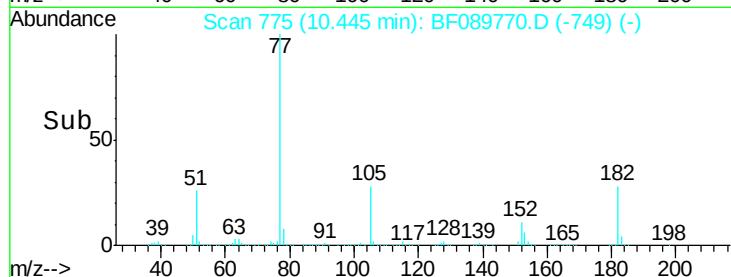


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.21 min Scan# 842

Delta R.T. 0.00 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

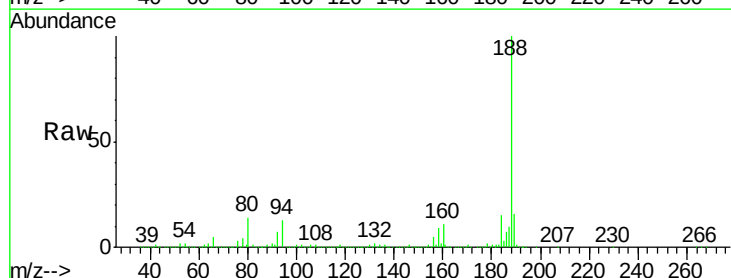
Tgt Ion: 188 Resp: 2589988

Ion Ratio Lower Upper

188 100

94 13.3 10.2 15.2

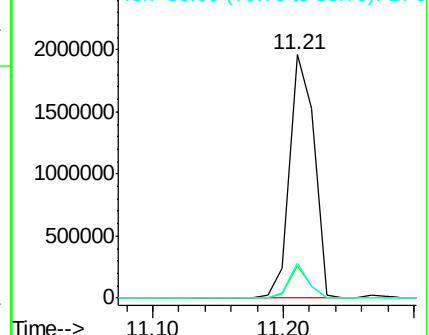
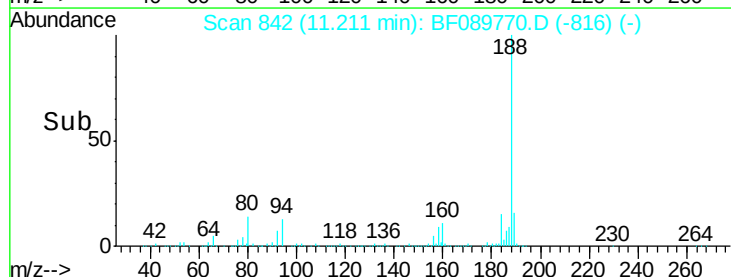
80 14.1 10.9 16.3

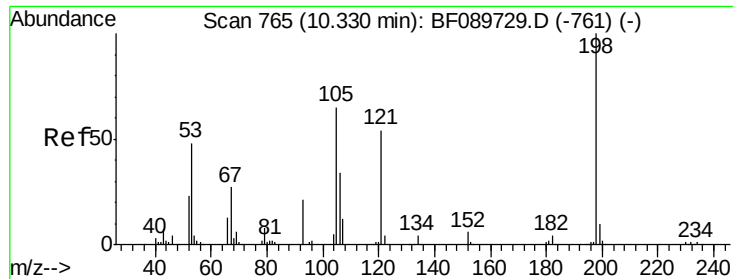


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 20.95 ng

RT: 10.33 min Scan# 765

Delta R.T. 0.00 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

Instrument :

BNA_F

ClientSampleId :

LOCATION-7A-9-11MS

Tot Ion:198 Resp: 314993

Ion Ratio Lower Upper

198 100

51 67.4 32.3 72.3

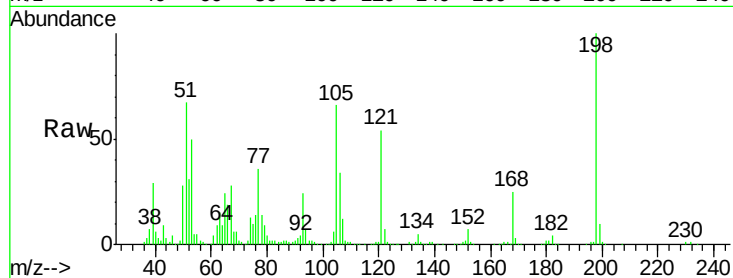
105 66.1 32.9 72.9

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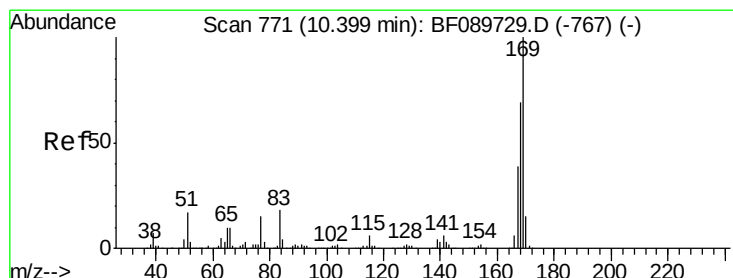
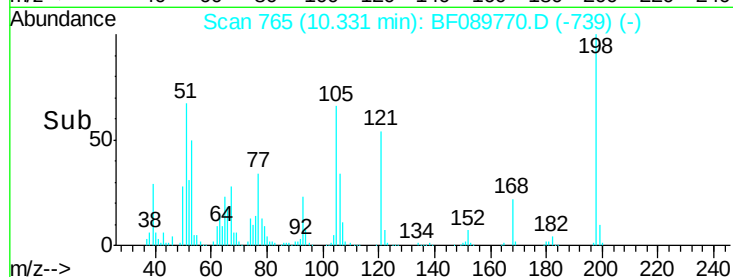
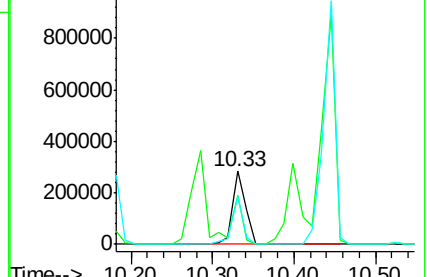
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 37.31 ng

RT: 10.40 min Scan# 771

Delta R.T. 0.00 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

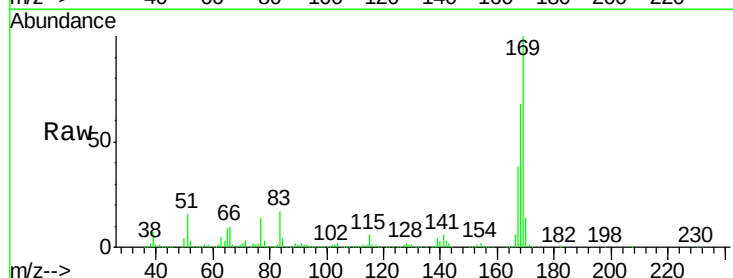
Tgt Ion:169 Resp: 3032464

Ion Ratio Lower Upper

169 100

168 68.4 54.6 82.0

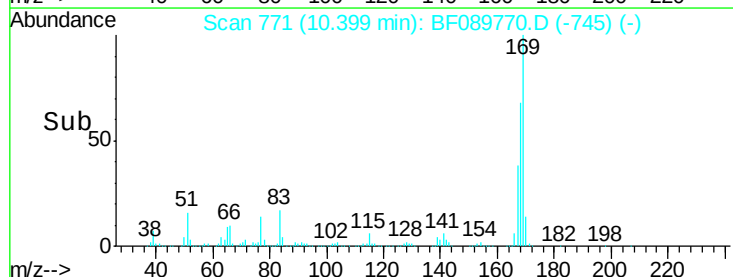
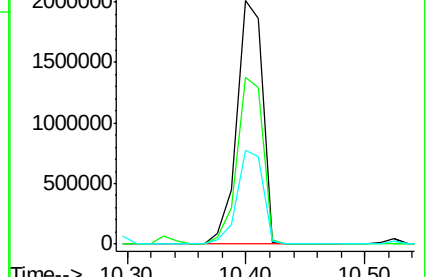
167 38.3 30.6 45.8

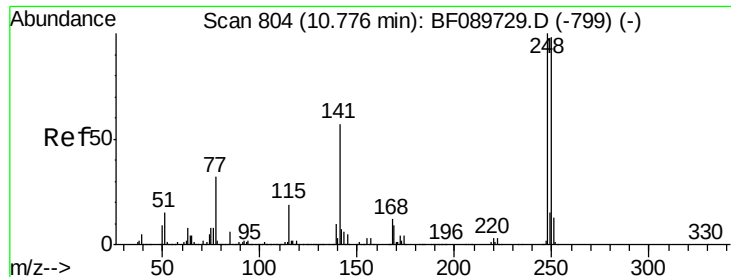


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#66

4-Bromophenyl-phenylether

Concen: 35.26 ng

RT: 10.78 min Scan# 804

Delta R.T. 0.00 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

Instrument :

BNA_F

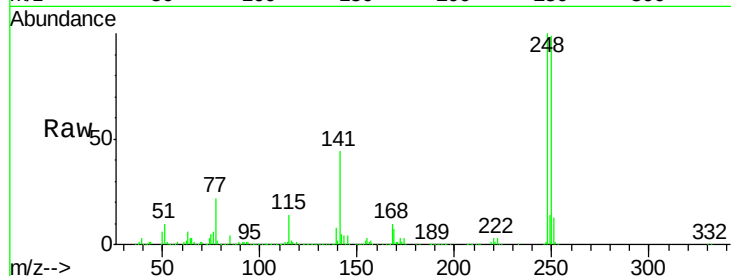
ClientSampleId :

LOCATION-7A-9-11MS

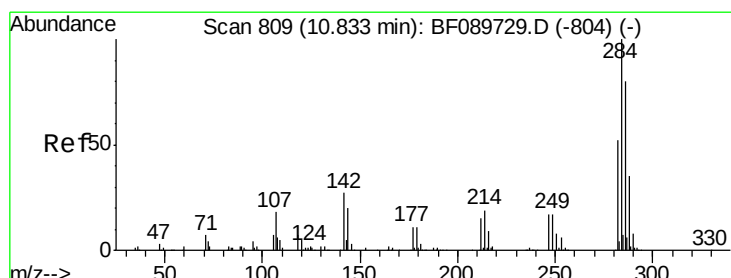
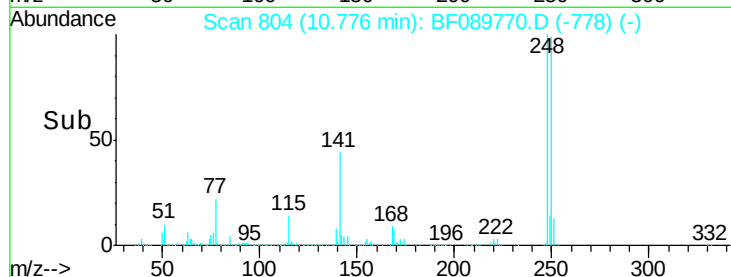
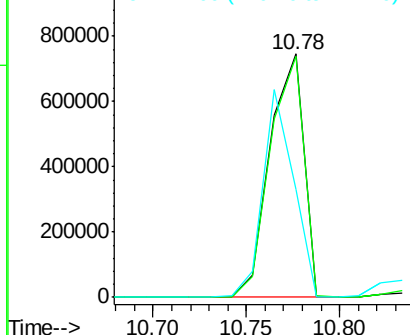
Tot Ion:	248	Resp:	945837
Ion Ratio	Lower	Upper	
248	100		
250	99.2	78.6	117.8
141	44.4	31.4	47.2

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Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E



#67

Hexachlorobenzene

Concen: 36.83 ng

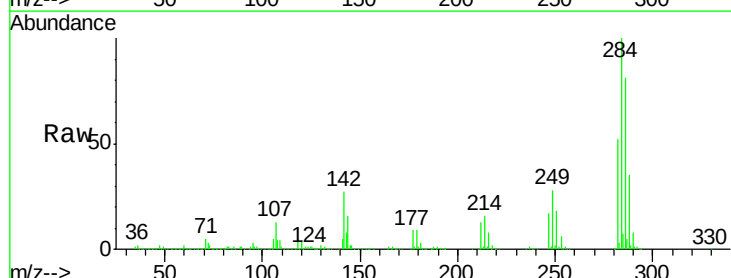
RT: 10.83 min Scan# 809

Delta R.T. 0.00 min

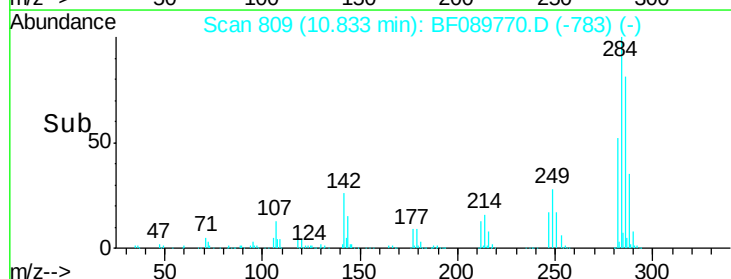
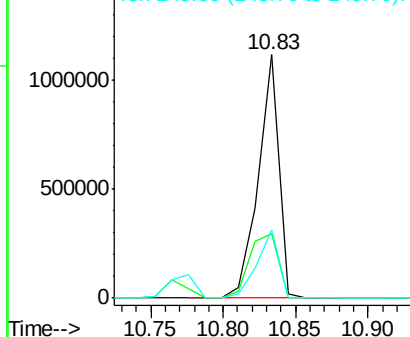
Lab File: BF089770.D

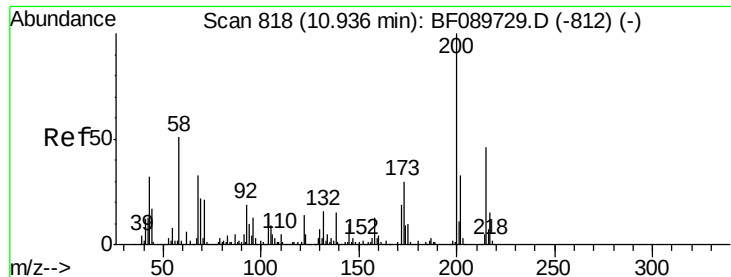
Acq: 17 Aug 2016 18:33

Tgt Ion:	284	Resp:	1098181
Ion Ratio	Lower	Upper	
284	100		
142	26.7	17.4	26.2#
249	28.0	22.8	34.2



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#68

Atrazine

Concen: 35.61 ng

RT: 10.94 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

Instrument :

BNA_F

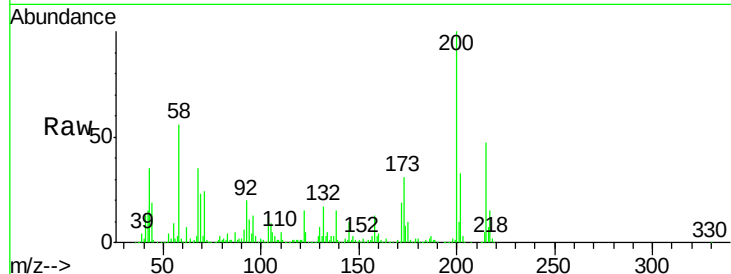
ClientSampleId :

LOCATION-7A-9-11MS

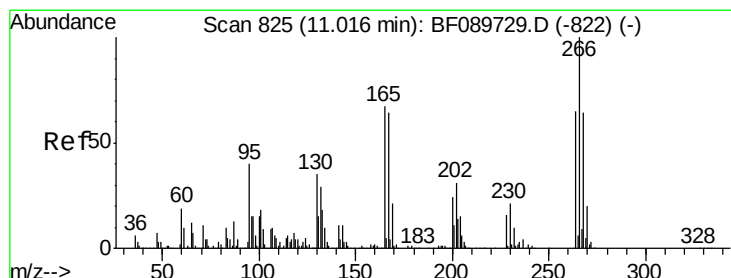
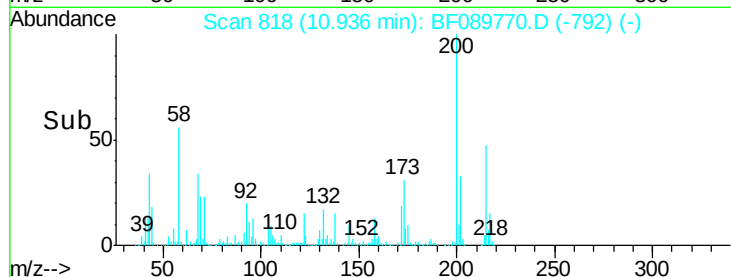
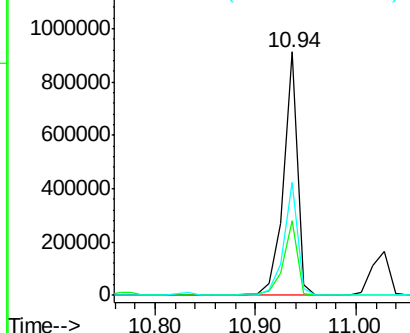
Tot Ion:	200	Resp:	876785
Ion Ratio	Lower	Upper	
200	100		
173	30.6	6.6	46.6
215	46.7	24.7	64.7

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Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E



#69

Pentachlorophenol

Concen: 59.53 ng

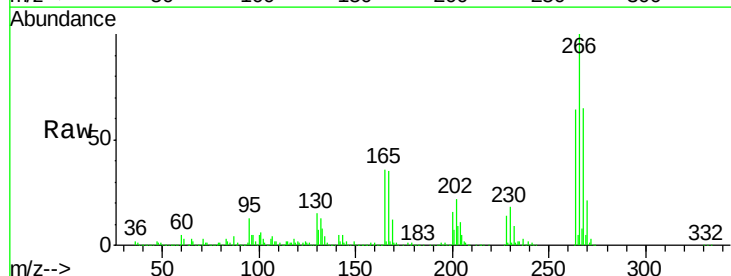
RT: 11.03 min Scan# 826

Delta R.T. 0.01 min

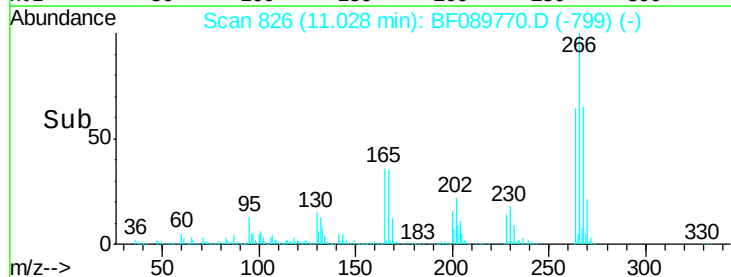
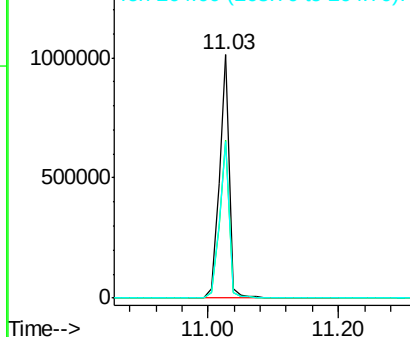
Lab File: BF089770.D

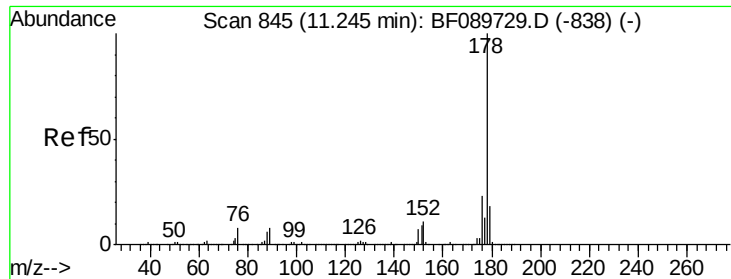
Acq: 17 Aug 2016 18:33

Tgt Ion:	266	Resp:	1105868
Ion Ratio	Lower	Upper	
266	100		
268	64.7	53.2	79.8
264	64.2	51.1	76.7



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





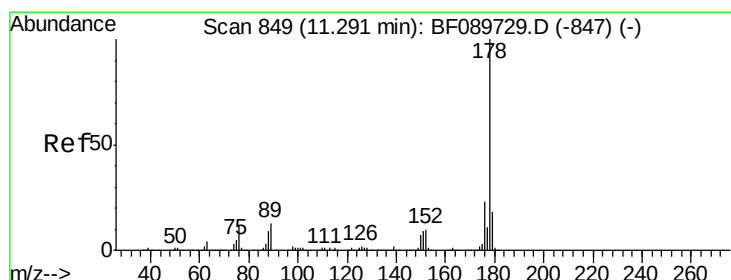
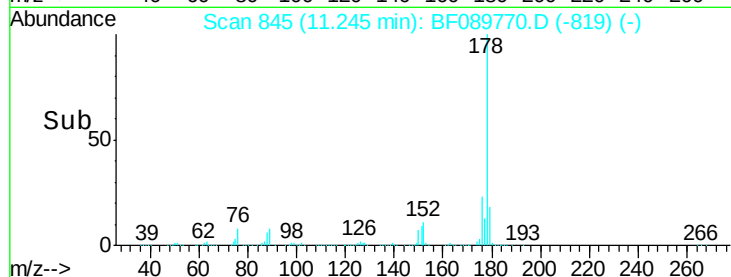
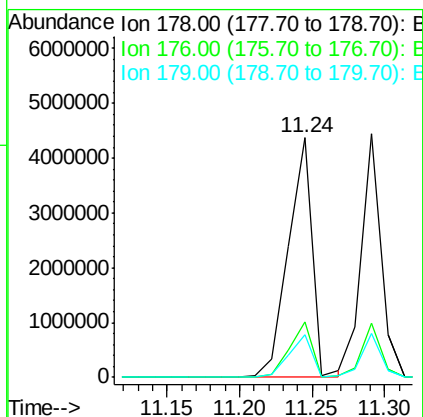
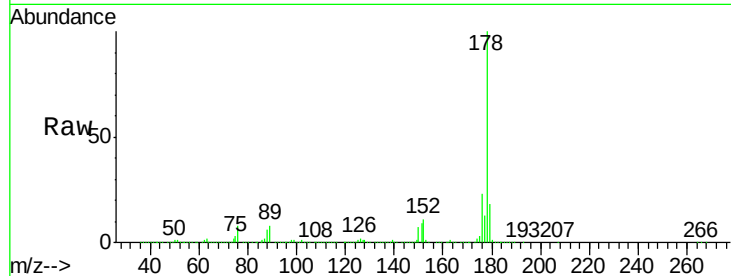
#70
Phenanthrene
Concen: 39.15 ng
RT: 11.24 min Scan# 845
Delta R.T. 0.00 min
Lab File: BF089770.D
Acq: 17 Aug 2016 18:33

Instrument :
BNA_F
ClientSampleId :
LOCATION-7A-9-11MS

Tot Ion:178 Resp: 4983484
Ion Ratio Lower Upper
178 100
176 22.9 16.4 24.6
179 17.8 12.5 18.7

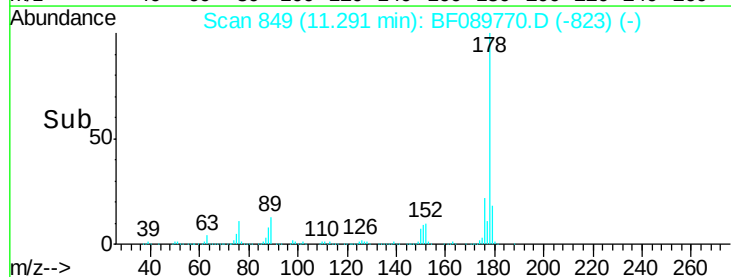
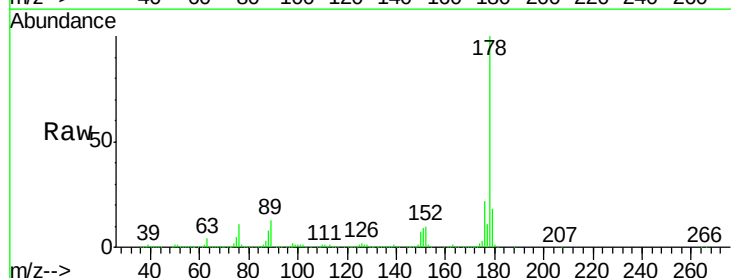
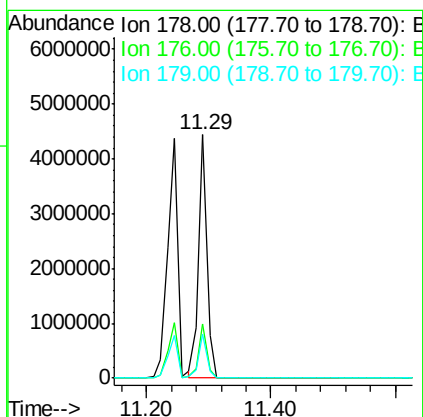
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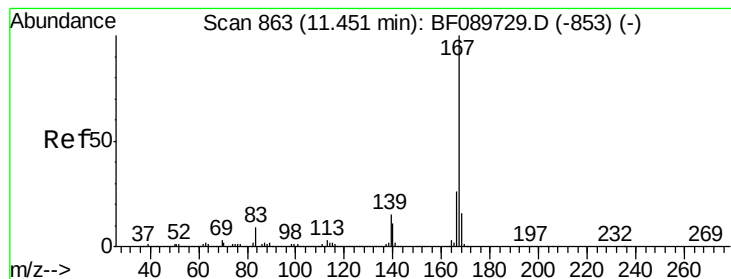
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#71
Anthracene
Concen: 31.78 ng
RT: 11.29 min Scan# 849
Delta R.T. 0.00 min
Lab File: BF089770.D
Acq: 17 Aug 2016 18:33

Tgt Ion:178 Resp: 4227317
Ion Ratio Lower Upper
178 100
176 22.2 16.4 24.6
179 18.3 13.1 19.7





#72

Carbazole

Concen: 38.54 ng

RT: 11.45 min Scan# 863

Delta R.T. 0.00 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

Instrument :

BNA_F

ClientSampleId :

LOCATION-7A-9-11MS

Tot Ion:167 Resp: 4856867

Ion Ratio Lower Upper

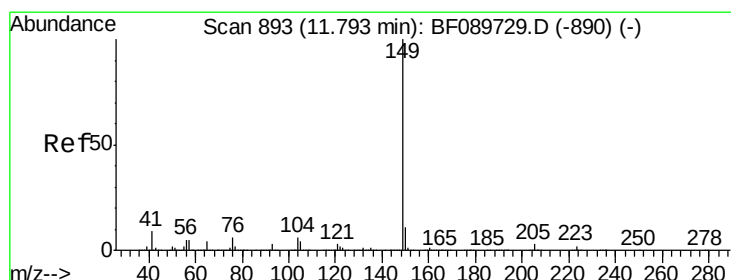
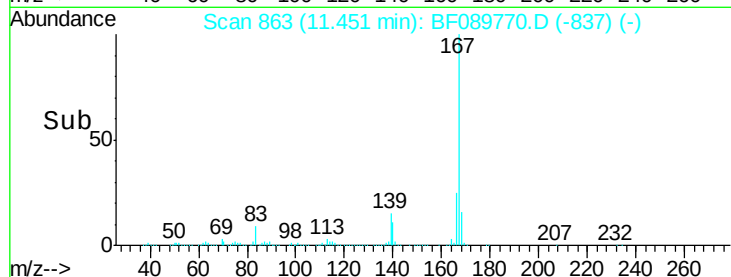
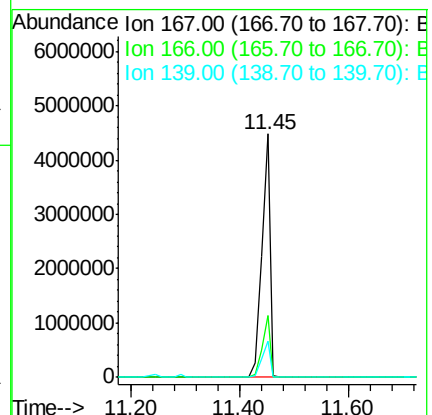
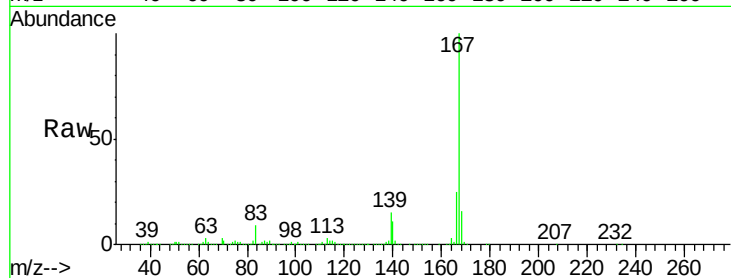
167 100

166 25.2 17.9 26.9

139 14.7 12.4 18.6

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#73

Di-n-butylphthalate

Concen: 32.01 ng

RT: 11.79 min Scan# 893

Delta R.T. 0.00 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

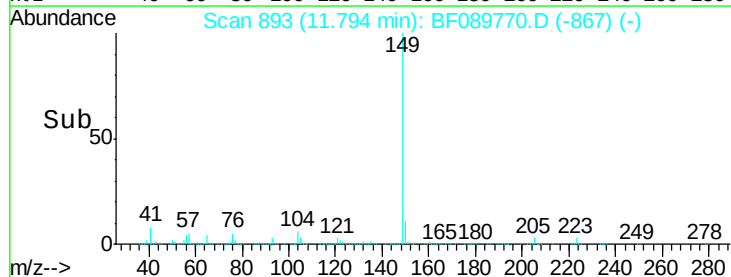
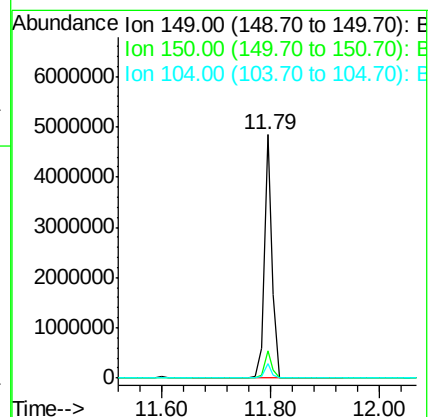
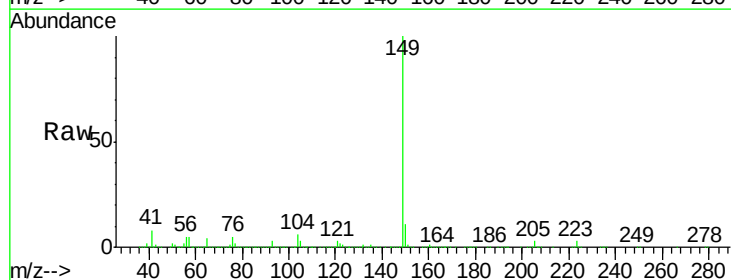
Tgt Ion:149 Resp: 4907234

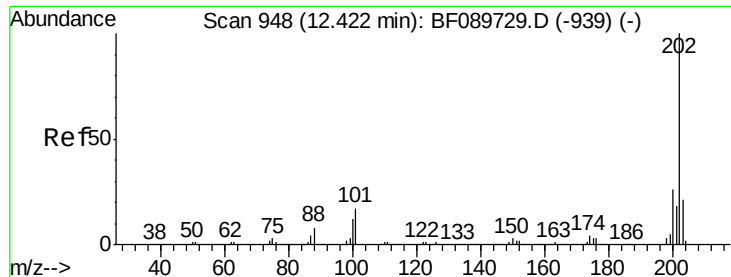
Ion Ratio Lower Upper

149 100

150 11.4 7.9 11.9

104 5.9 4.3 6.5





#74

Fluoranthene

Concen: 33.95 ng

RT: 12.42 min Scan# 948

Delta R.T. 0.00 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

Instrument :

BNA_F

ClientSampleId :

LOCATION-7A-9-11MS

Tot Ion:202 Resp: 4343053

Ion Ratio Lower Upper

202 100

101 15.9 0.0 31.2

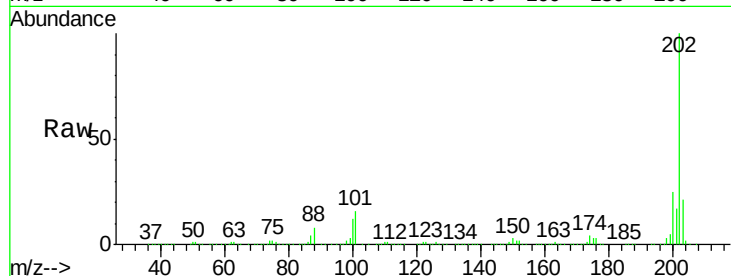
203 20.5 0.0 38.1

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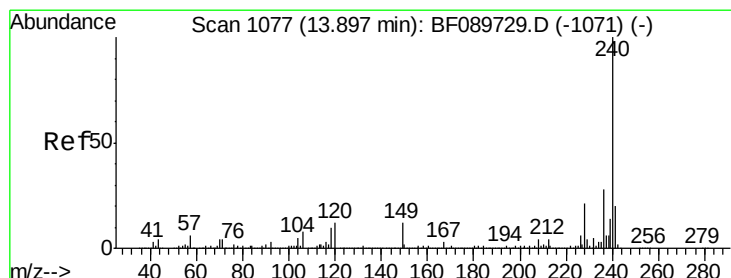
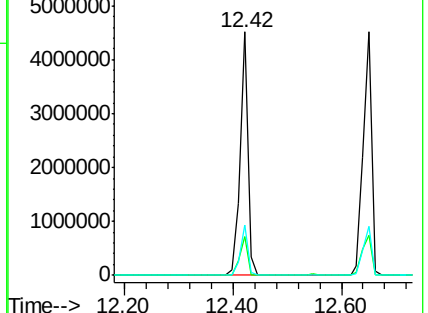
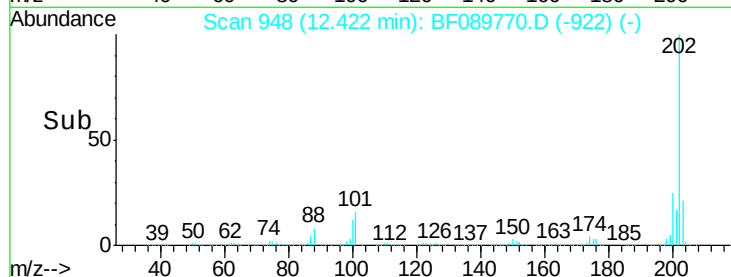
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.86 min Scan# 1074

Delta R.T. -0.03 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

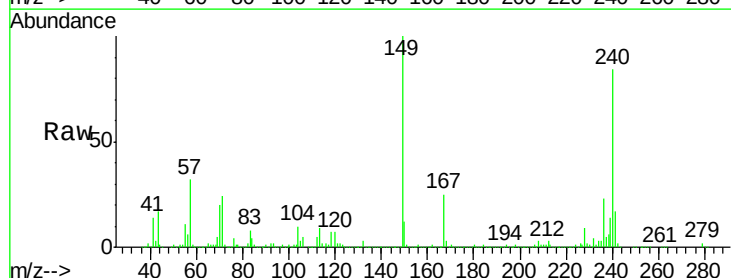
Tgt Ion:240 Resp: 2014653

Ion Ratio Lower Upper

240 100

120 8.9 8.3 12.5

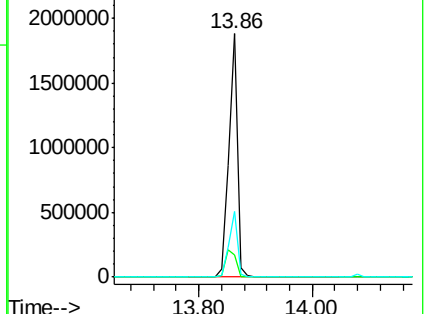
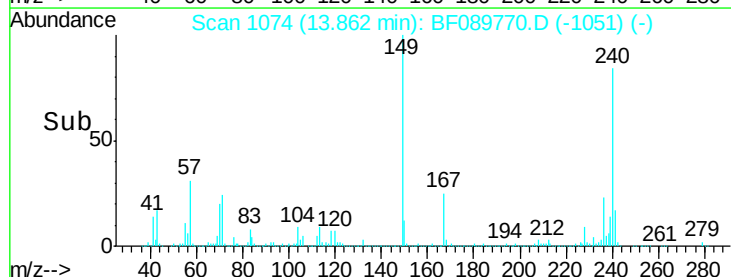
236 26.9 21.3 31.9

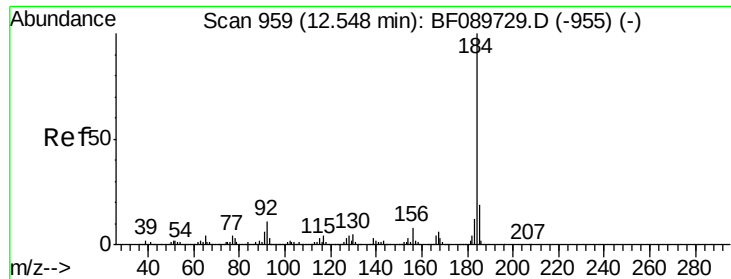


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





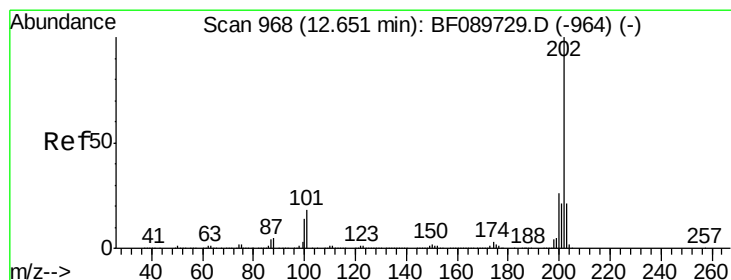
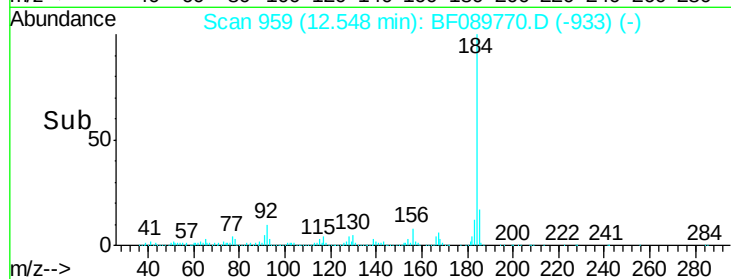
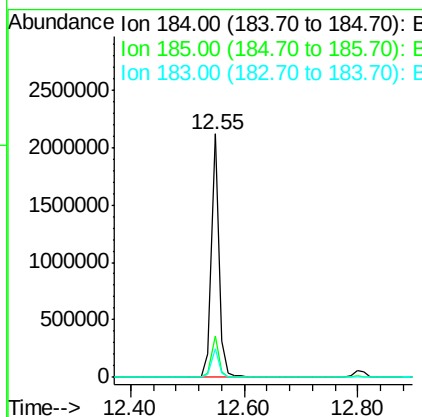
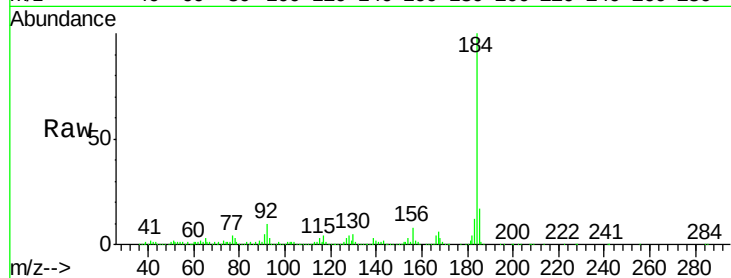
#76
Benzidine
Concen: 26.11 ng
RT: 12.55 min Scan# 959
Delta R.T. 0.00 min
Lab File: BF089770.D
Acq: 17 Aug 2016 18:33

Instrument :
BNA_F
ClientSampleId :
LOCATION-7A-9-11MS

Tot Ion:184 Resp: 1887746
Ion Ratio Lower Upper
184 100
185 16.9 13.8 20.8
183 11.6 9.7 14.5

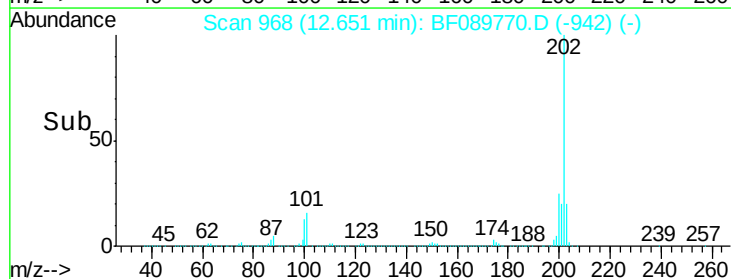
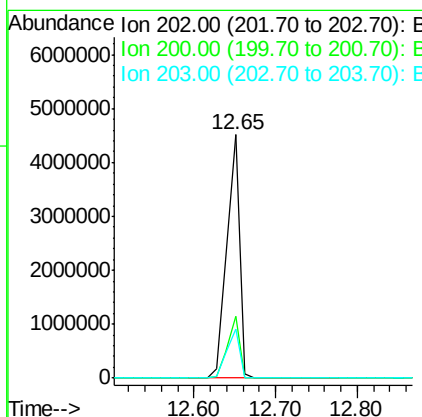
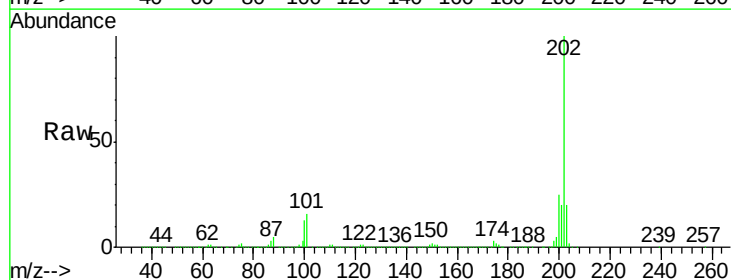
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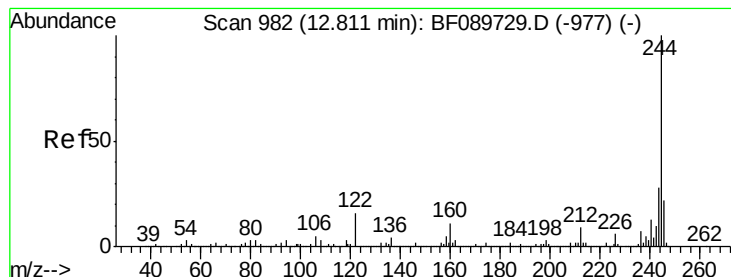
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#77
Pyrene
Concen: 36.45 ng
RT: 12.65 min Scan# 968
Delta R.T. 0.00 min
Lab File: BF089770.D
Acq: 17 Aug 2016 18:33

Tgt Ion:202 Resp: 4805392
Ion Ratio Lower Upper
202 100
200 25.2 17.8 26.6
203 20.2 14.2 21.4





#78

Terphenyl-d14

Concen: 71.43 ng

RT: 12.81 min Scan# 982

Delta R.T. 0.00 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

Instrument :

BNA_F

ClientSampleId :

LOCATION-7A-9-11MS

Tot Ion:244 Resp: 4817110

Ion Ratio Lower Upper

244 100

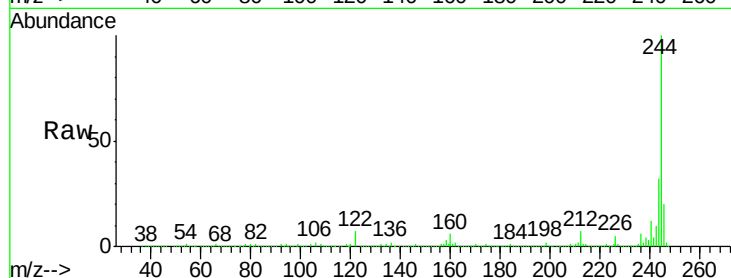
212 7.3 6.3 9.5

122 7.1 12.0 18.0#

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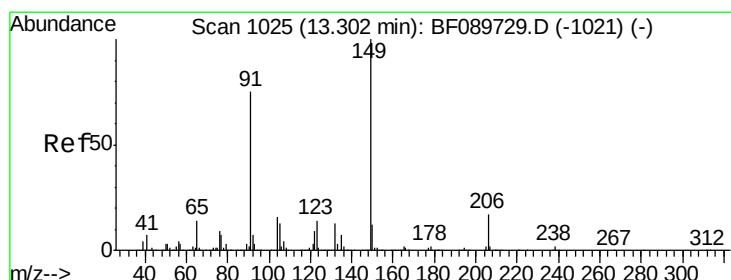
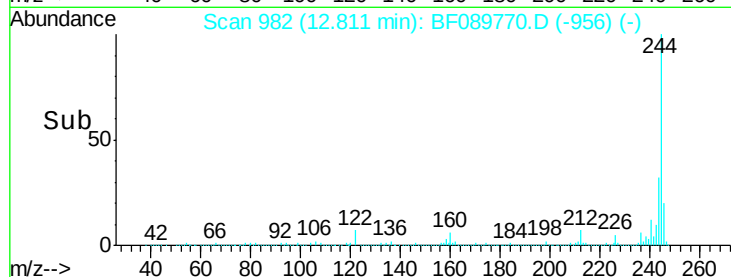
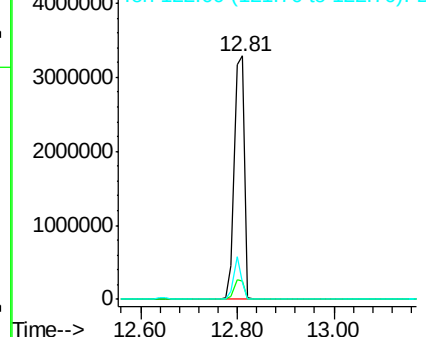
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 38.93 ng

RT: 13.29 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

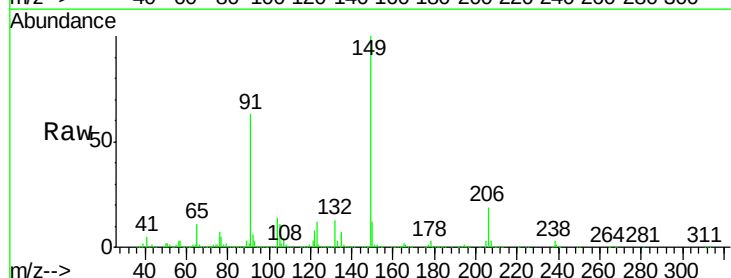
Tgt Ion:149 Resp: 2575060

Ion Ratio Lower Upper

149 100

91 62.6 50.7 76.1

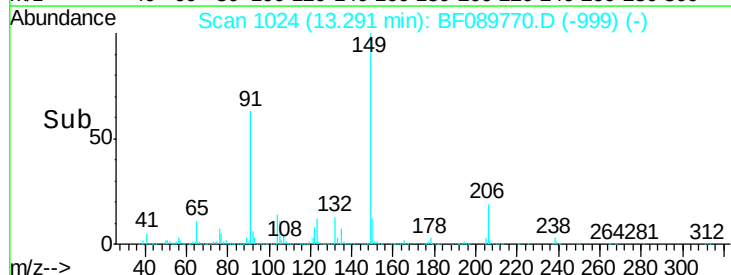
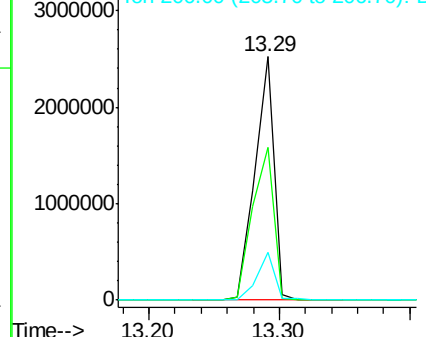
206 19.5 15.5 23.3

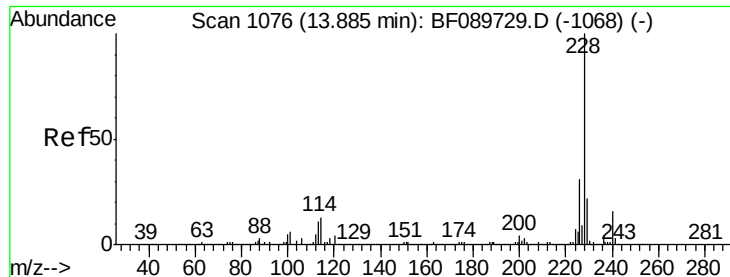


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 35.86 ng

RT: 13.85 min Scan# 1073

Delta R.T. -0.03 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

Instrument :

BNA_F

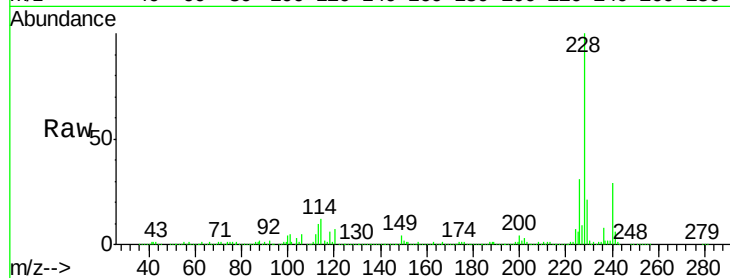
ClientSampleId :

LOCATION-7A-9-11MS

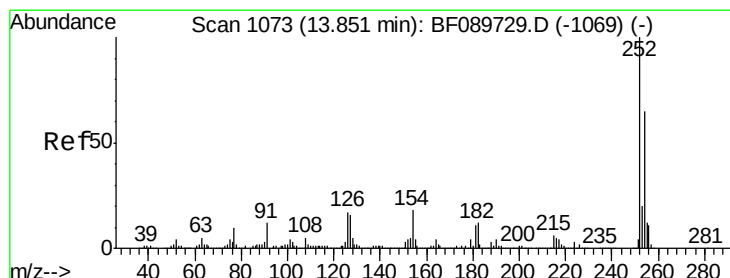
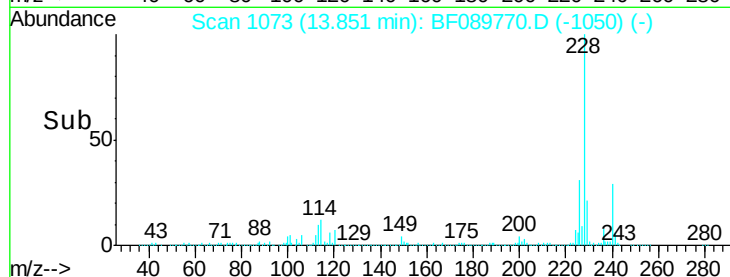
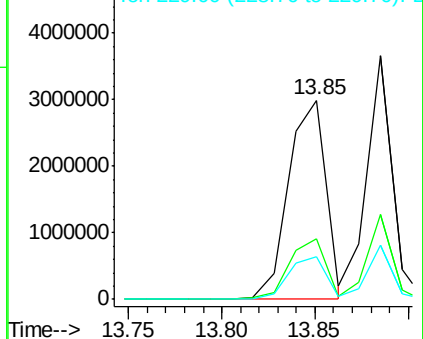
Tot Ion:	228	Resp:	4197691
Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.2	34.8
229	21.4	16.2	24.4

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 22.99 ng

RT: 13.82 min Scan# 1070

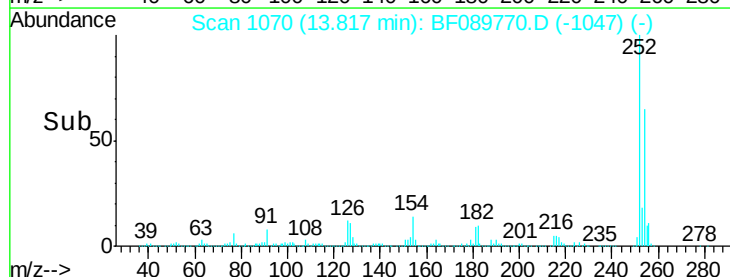
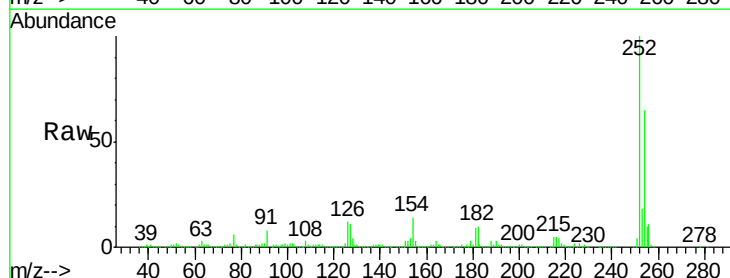
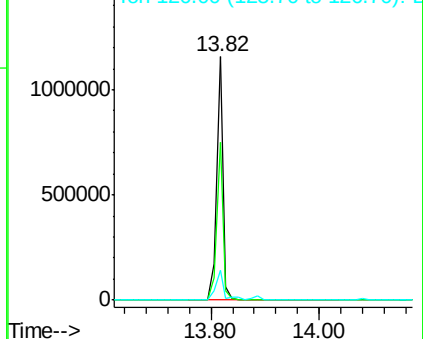
Delta R.T. -0.03 min

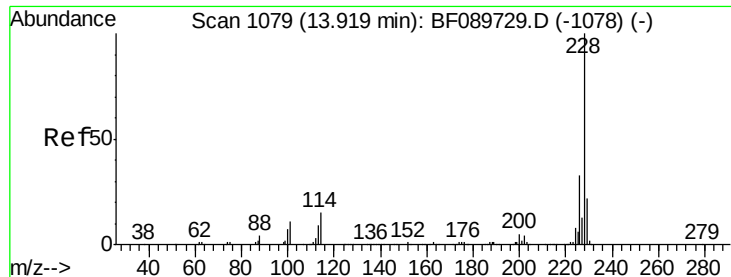
Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

Tgt Ion:	252	Resp:	980675
Ion	Ratio	Lower	Upper
252	100		
254	64.6	50.6	75.8
126	12.1	12.6	18.8#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 32.82 ng

RT: 13.89 min Scan# 1076

Delta R.T. -0.03 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

Instrument :

BNA_F

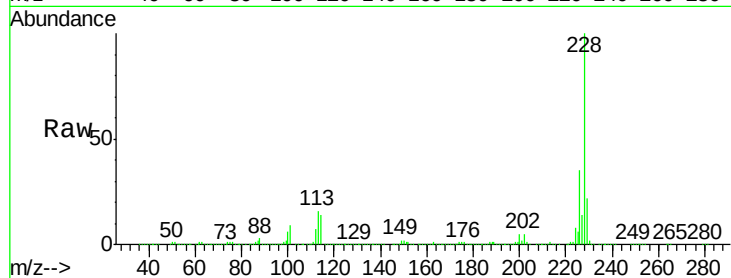
ClientSampleId :

LOCATION-7A-9-11MS

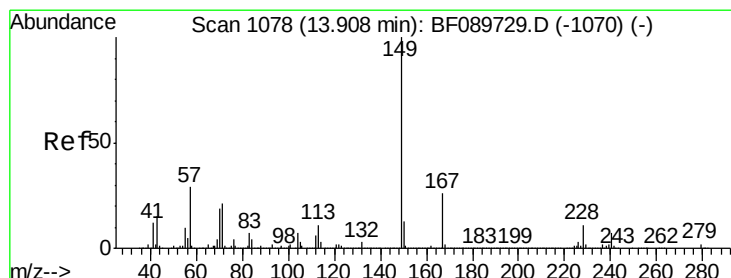
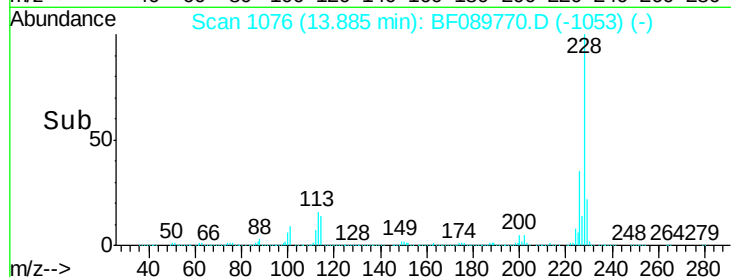
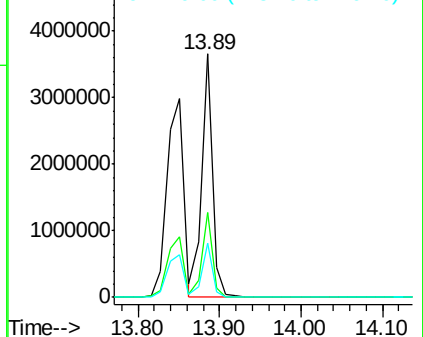
Tot Ion:	228	Resp:	3457007
Ion	Ratio	Lower	Upper
228	100		
226	34.9	25.4	38.0
229	22.3	16.5	24.7

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 38.82 ng

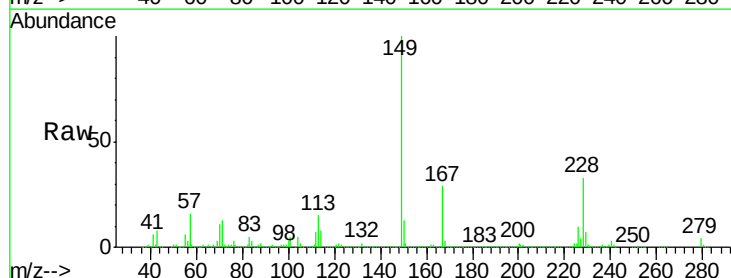
RT: 13.87 min Scan# 1075

Delta R.T. -0.03 min

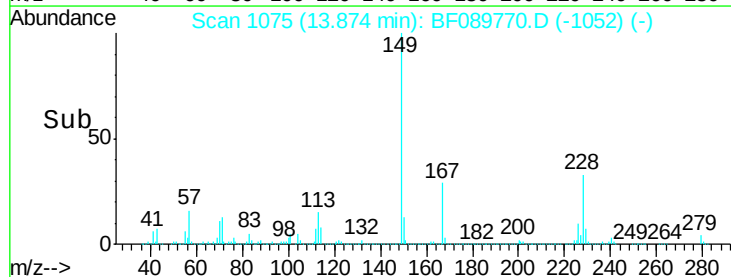
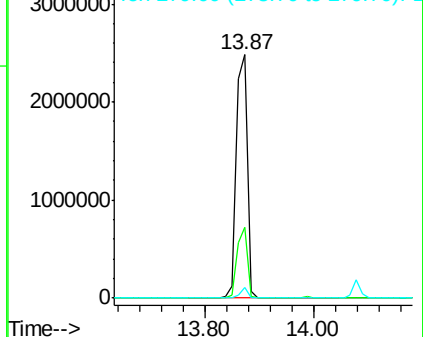
Lab File: BF089770.D

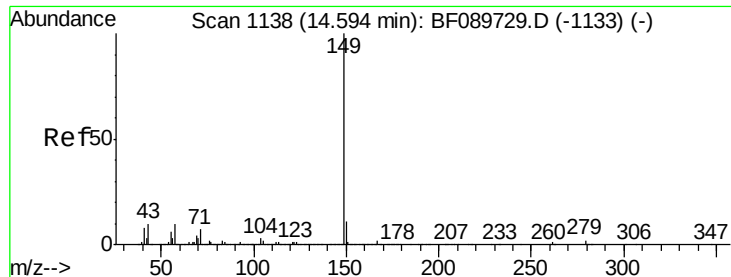
Acq: 17 Aug 2016 18:33

Tgt Ion:	149	Resp:	3398257
Ion	Ratio	Lower	Upper
149	100		
167	29.2	21.2	31.8
279	4.5	2.9	4.3#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





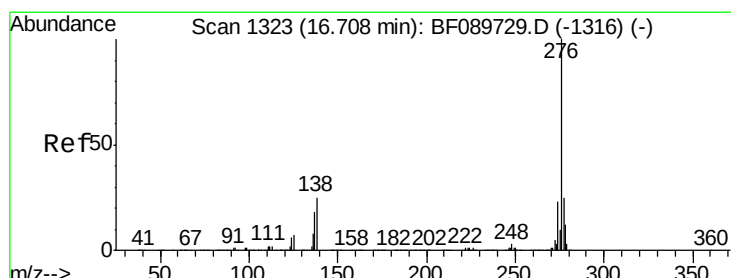
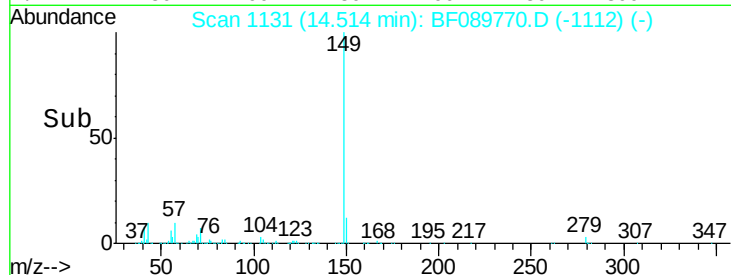
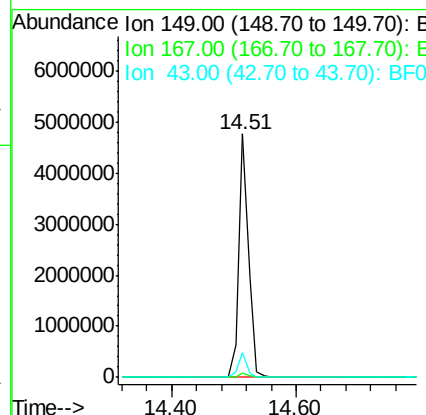
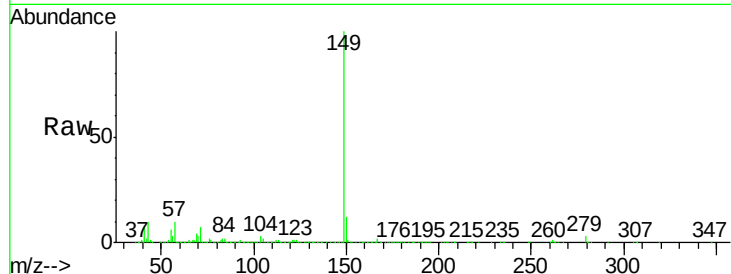
#84
Di-n-octyl phthalate
Concen: 38.01 ng
RT: 14.51 min Scan# 1131
Delta R.T. -0.08 min
Lab File: BF089770.D
Acq: 17 Aug 2016 18:33

Instrument :
BNA_F
ClientSampleId :
LOCATION-7A-9-11MS

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.2	1.8
43	9.1	8.4	12.6

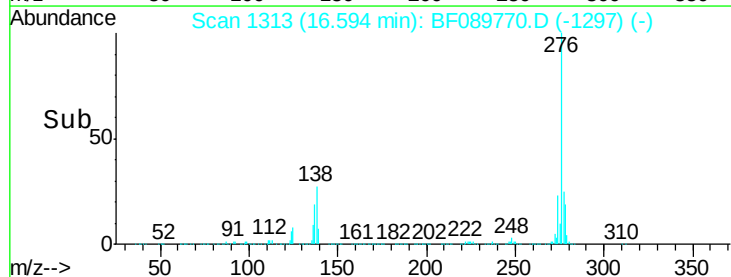
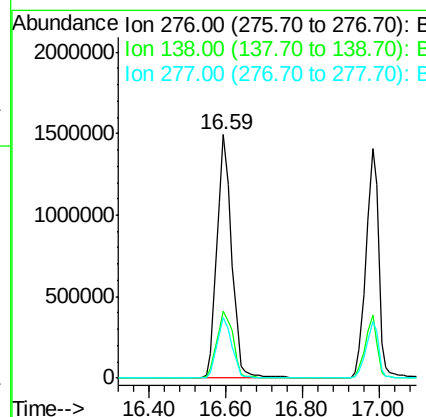
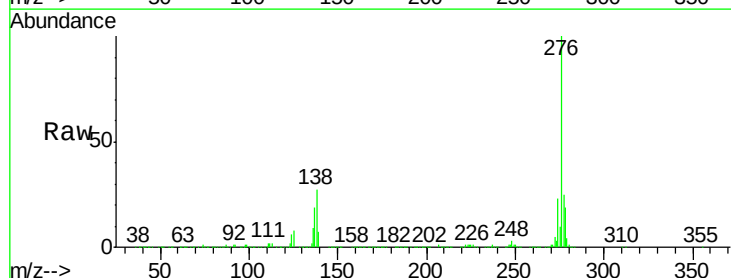
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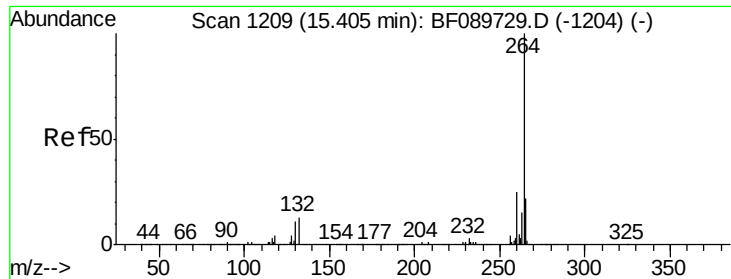
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#85
Indeno(1,2,3-cd)pyrene
Concen: 44.30 ng
RT: 16.59 min Scan# 1313
Delta R.T. -0.11 min
Lab File: BF089770.D
Acq: 17 Aug 2016 18:33

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.4	24.6	36.8
277	25.5	20.4	30.6





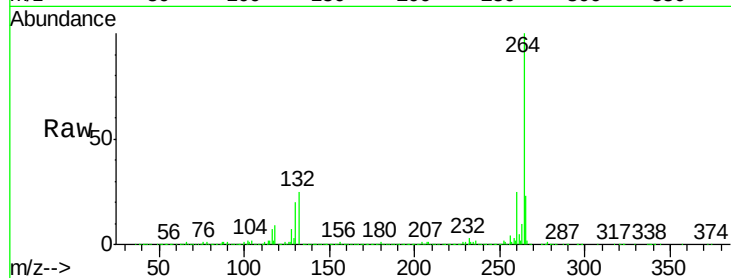
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1199
Delta R.T. -0.11 min
Lab File: BF089770.D
Acq: 17 Aug 2016 18:33

Instrument :
BNA_F
ClientSampleId :
LOCATION-7A-9-11MS

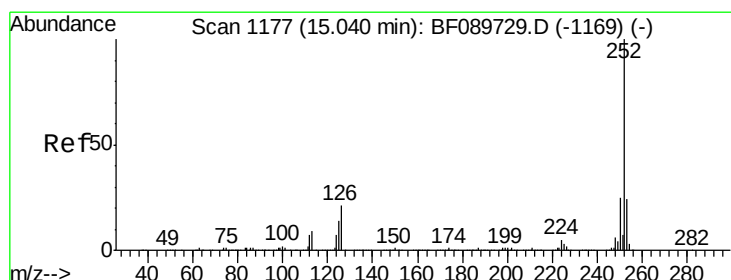
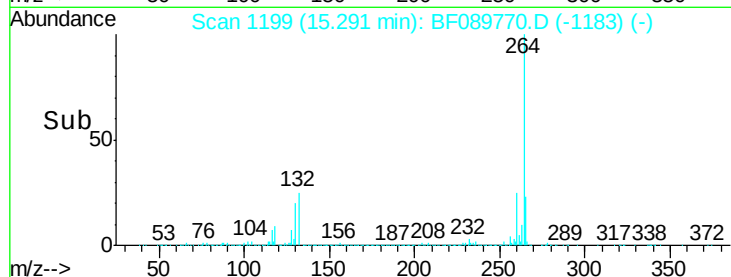
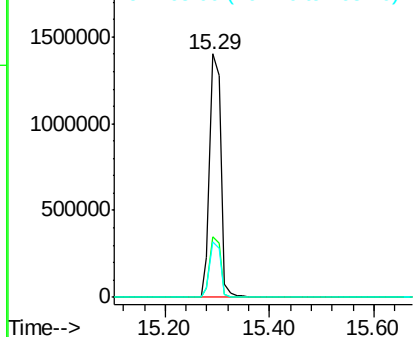
Tot Ion:264 Resp: 2106092
Ion Ratio Lower Upper
264 100
260 24.7 20.2 30.2
265 22.8 17.4 26.2

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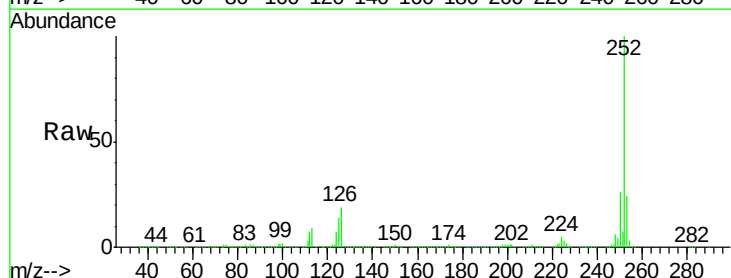


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

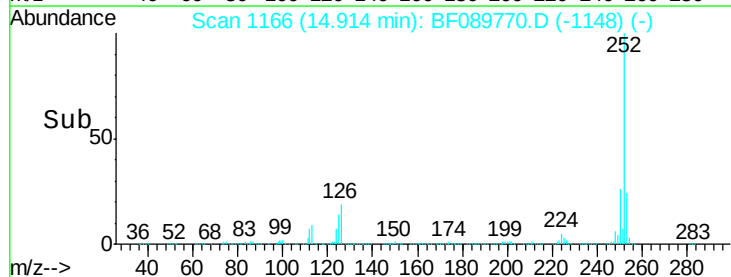
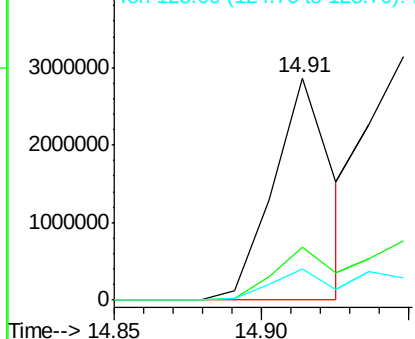


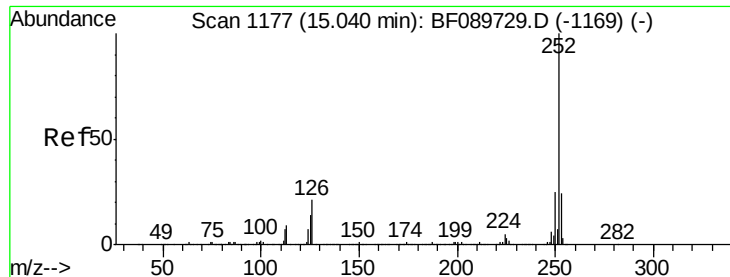
#87
Benzo(b)fluoranthene
Concen: 29.80 ng m
RT: 14.91 min Scan# 1166
Delta R.T. -0.09 min
Lab File: BF089770.D
Acq: 17 Aug 2016 18:33

Tgt Ion:252 Resp: 3976609
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.8
125 14.3 11.4 17.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





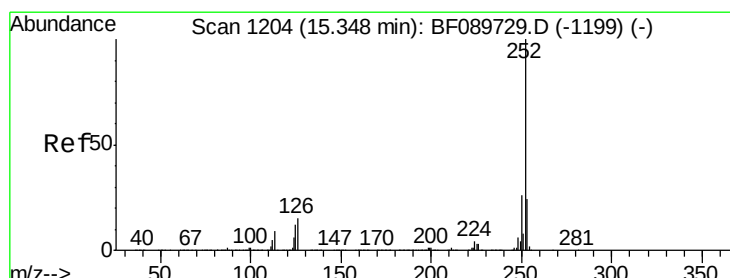
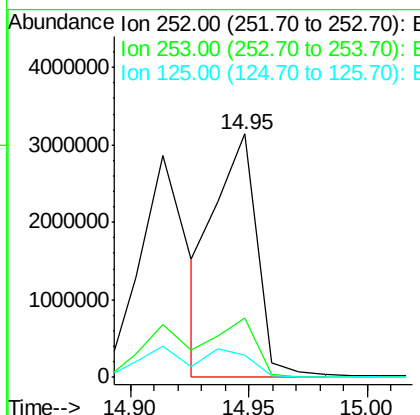
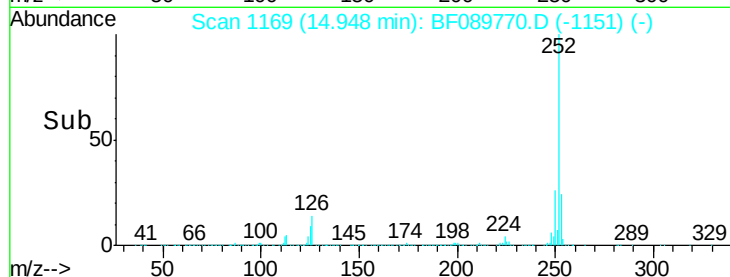
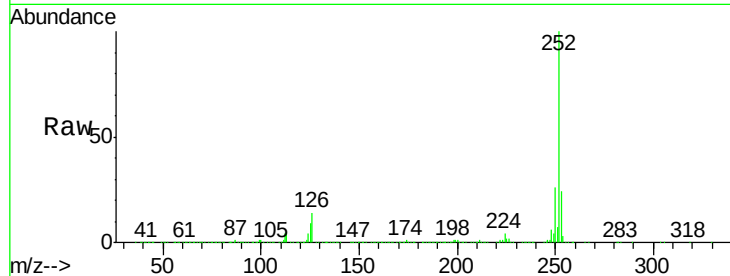
#88
Benzo(k)fluoranthene
Concen: 35.58 ng m
RT: 14.95 min Scan# 1169
Delta R.T. -0.09 min
Lab File: BF089770.D
Acq: 17 Aug 2016 18:33

Instrument :
BNA_F
ClientSampleId :
LOCATION-7A-9-11MS

Tot Ion:252 Resp: 3907436
Ion Ratio Lower Upper
252 100
253 24.2 18.4 27.6
125 9.2 9.8 14.6#

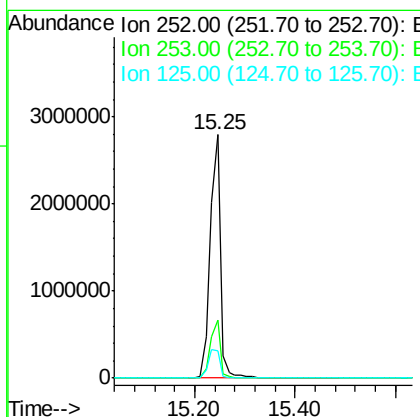
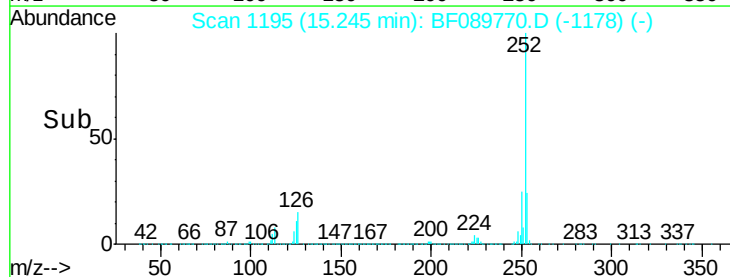
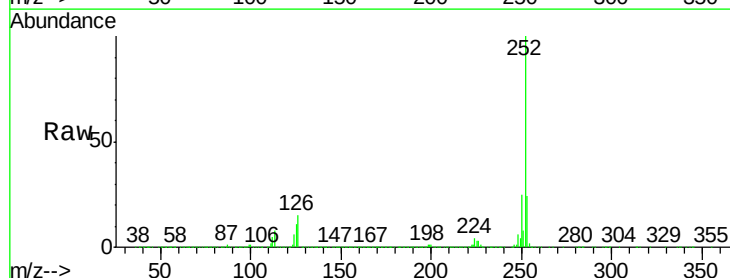
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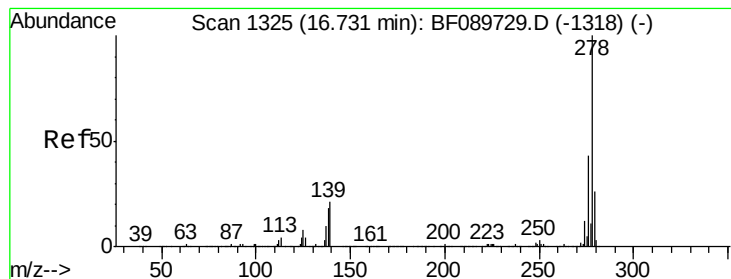
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#89
Benzo(a)pyrene
Concen: 35.78 ng
RT: 15.25 min Scan# 1195
Delta R.T. -0.10 min
Lab File: BF089770.D
Acq: 17 Aug 2016 18:33

Tgt Ion:252 Resp: 3942210
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 11.3 11.7 17.5#





#90

Dibenzo(a,h)anthracene

Concen: 38.03 ng

RT: 16.62 min Scan# 1315

Delta R.T. -0.11 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

Instrument :

BNA_F

ClientSampleId :

LOCATION-7A-9-11MS

Tot Ion:278 Resp: 3299151

Ion Ratio Lower Upper

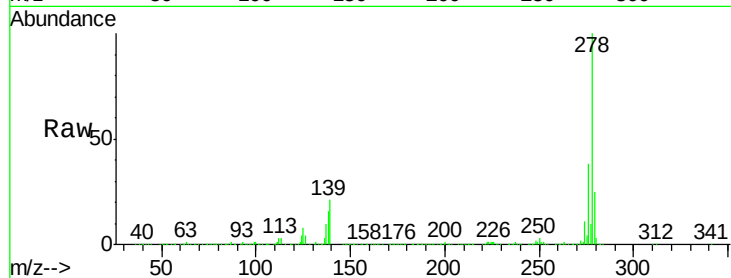
278 100

139 20.6 14.9 22.3

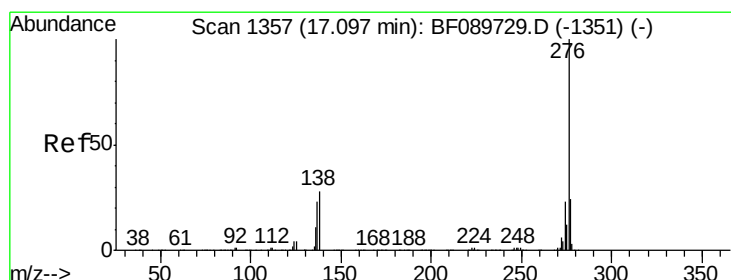
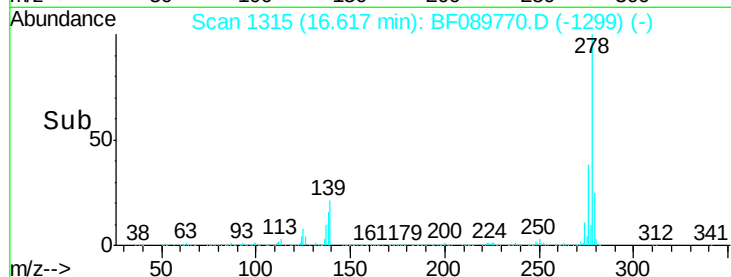
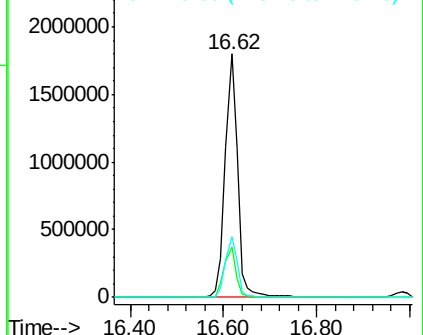
279 24.7 19.2 28.8

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8/18/2016 5:59:19 PM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 36.48 ng

RT: 16.98 min Scan# 1347

Delta R.T. -0.11 min

Lab File: BF089770.D

Acq: 17 Aug 2016 18:33

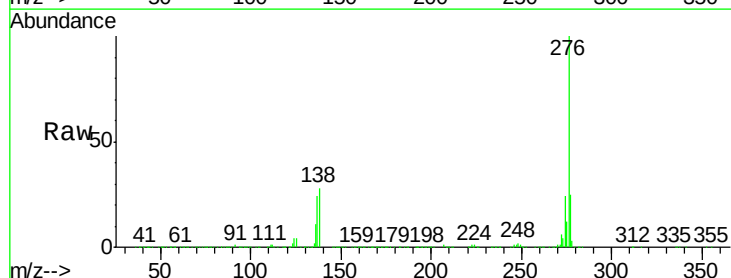
Tgt Ion:276 Resp: 3220685

Ion Ratio Lower Upper

276 100

277 25.0 19.2 28.8

138 27.6 22.1 33.1



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

