

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072816\
 Data File : BF089344.D
 Acq On : 28 Jul 2016 4:03
 Operator : UM/SJ
 Sample : H4205-13MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-38-14.0-15.0MS

Manual Integrations

sohil
 7/28/2016 5:03:22 PM

Quant Time: Jul 28 13:21:48 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 27 17:12:17 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	47445	20.00	ng	0.00
21) Naphthalene-d8	7.83	136	206955	20.00	ng	0.00
38) Acenaphthene-d10	9.58	164	99880	20.00	ng	0.00
63) Phenanthrene-d10	11.05	188	191263	20.00	ng	0.00
75) Chrysene-d12	13.67	240	134813	20.00	ng	0.00
86) Perylene-d12	15.01	264	107400	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.13	112	395688	133.17	ng	0.02
7) Phenol-d6	6.22	99	510661	130.04	ng	0.01
23) Nitrobenzene-d5	7.12	82	321252	91.62	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	102690	124.14	ng	0.00
44) 2-Fluorobiphenyl	8.91	172	572196	84.07	ng	0.00
78) Terphenyl-d14	12.63	244	466725	81.03	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.03	88	52166	38.63	ng	99
3) Pyridine	2.63	79	129025	44.38	ng	97
4) n-Nitrosodimethylamine	2.62	42	54024	45.60	ng	100
6) Aniline	6.22	93	197112	46.49	ng	# 74
8) 2-Chlorophenol	6.33	128	165881	49.35	ng	92
9) Benzaldehyde	6.09	77	89976	46.93	ng	99
10) Phenol	6.23	94	213527	49.28	ng	89
11) bis(2-Chloroethyl)ether	6.30	93	167734	45.56	ng	95
12) 1,3-Dichlorobenzene	6.48	146	162694	46.28	ng	98
13) 1,4-Dichlorobenzene	6.56	146	175263	45.17	ng	99
14) 1,2-Dichlorobenzene	6.72	146	162336	44.66	ng	98
15) Benzyl Alcohol	6.71	79	137500	56.42	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.84	45	183602	45.72	ng	81
17) 2-Methylphenol	6.83	107	128697	49.54	ng	97
18) Hexachloroethane	7.05	117	65922	44.32	ng	95
19) n-Nitroso-di-n-propylamine	6.98	70	123567	52.18	ng	94
20) 3+4-Methylphenols	6.99	107	169314	50.75	ng	85
22) Acetophenone	6.97	105	211181	42.86	ng	97
24) Nitrobenzene	7.14	77	173961	43.59	ng	95
25) Isophorone	7.38	82	327330	46.35	ng	99
26) 2-Nitrophenol	7.46	139	82520	46.25	ng	97
27) 2,4-Dimethylphenol	7.51	122	132665	46.68	ng	98
28) bis(2-Chloroethoxy)methane	7.60	93	197322	50.47	ng	100
29) 2,4-Dichlorophenol	7.70	162	136147	52.57	ng	96
30) 1,2,4-Trichlorobenzene	7.78	180	138290	46.80	ng	99
31) Naphthalene	7.85	128	454420m	44.34	ng	
32) Benzoic acid	7.63	122	9279	4.69	ng	# 85
33) 4-Chloroaniline	7.92	127	139842	35.84	ng	100
34) Hexachlorobutadiene	7.98	225	76849	45.41	ng	98
35) Caprolactam	8.30	113	36991m	47.32	ng	
36) 4-Chloro-3-methylphenol	8.41	107	148071	48.11	ng	94
37) 2-Methylnaphthalene	8.55	142	305980	49.55	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.71	216	111630	31.94	ng	99
40) Hexachlorocyclopentadiene	8.70	237	97974	96.29	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.83	196	81922	49.30	ng	98
43) 2,4,5-Trichlorophenol	8.88	196	97863	46.49	ng	97
45) 1,1'-Biphenyl	9.00	154	321566	37.81	ng	100
46) 2-Chloronaphthalene	9.03	162	290820	45.54	ng	100
47) 2-Nitroaniline	9.14	65	94233	49.82	ng	99
48) Acenaphthylene	9.44	152	459242	45.65	ng	99
49) Dimethylphthalate	9.32	163	456064	60.00	ng	98
50) 2,6-Dinitrotoluene	9.38	165	73324	46.95	ng	# 71
51) Acenaphthene	9.61	154	271844	46.27	ng	99
52) 3-Nitroaniline	9.55	138	71360	43.29	ng	90
53) 2,4-Dinitrophenol	9.67	184	22713	42.81	ng	99
54) Dibenzofuran	9.78	168	398892	49.83	ng	97
55) 4-Nitrophenol	9.75	139	75418m	92.87	ng	
56) 2,4-Dinitrotoluene	9.79	165	103375	50.28	ng	# 65
57) Fluorene	10.12	166	333508	47.73	ng	100
58) 2,3,4,6-Tetrachlorophenol	9.91	232	75555	53.76	ng	97
59) Diethylphthalate	10.02	149	376589	48.87	ng	96
60) 4-Chlorophenyl-phenylether	10.12	204	143160	44.66	ng	99
61) 4-Nitroaniline	10.17	138	78704	46.32	ng	95
62) Azobenzene	10.28	77	385500	48.57	ng	84
64) 4,6-Dinitro-2-methylphenol	10.20	198	43534	38.64	ng	91
65) n-Nitrosodiphenylamine	10.25	169	286377	47.99	ng	99
66) 4-Bromophenyl-phenylether	10.60	248	87363	47.84	ng	# 88
67) Hexachlorobenzene	10.66	284	80083	42.79	ng	91
68) Atrazine	10.78	200	78870	43.02	ng	95
69) Pentachlorophenol	10.87	266	79583	87.19	ng	98
70) Phenanthrene	11.07	178	456722	46.30	ng	100
71) Anthracene	11.13	178	501701	45.75	ng	99
72) Carbazole	11.29	167	450504	48.80	ng	99
73) Di-n-butylphthalate	11.62	149	543567	43.88	ng	100
74) Fluoranthene	12.25	202	483119	46.56	ng	97
76) Benzidine	12.39	184	249027	49.99	ng	96
77) Pyrene	12.48	202	485532	47.52	ng	99
79) Butylbenzylphthalate	13.11	149	220190	47.40	ng	92
80) Benzo(a)anthracene	13.66	228	352136	46.29	ng	99
81) 3,3'-Dichlorobenzidine	13.63	252	110380	40.32	ng	99
82) Chrysene	13.70	228	357302	44.12	ng	100
83) Bis(2-ethylhexyl)phthalate	13.67	149	304984	45.42	ng	100
84) Di-n-octyl phthalate	14.29	149	495189	47.26	ng	100
85) Indeno(1,2,3-cd)pyrene	16.21	276	263449	45.75	ng	99
87) Benzo(b)fluoranthene	14.65	252	266563m	39.97	ng	
88) Benzo(k)fluoranthene	14.67	252	314257m	51.25	ng	
89) Benzo(a)pyrene	14.96	252	274773	45.92	ng	# 94
90) Dibenzo(a,h)anthracene	16.22	278	221467	46.99	ng	95
91) Benzo(g,h,i)perylene	16.56	276	215960	46.61	ng	98

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

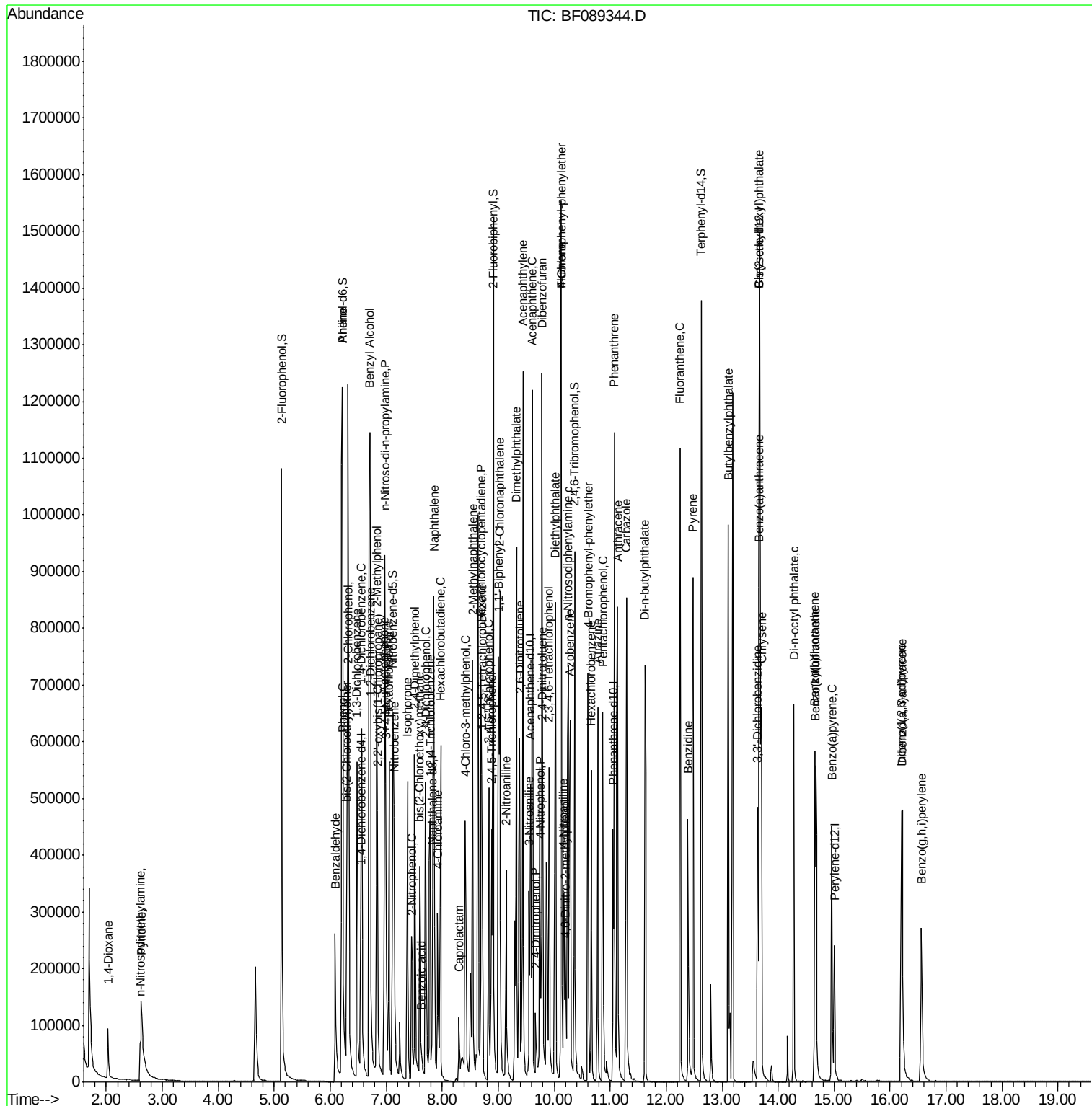
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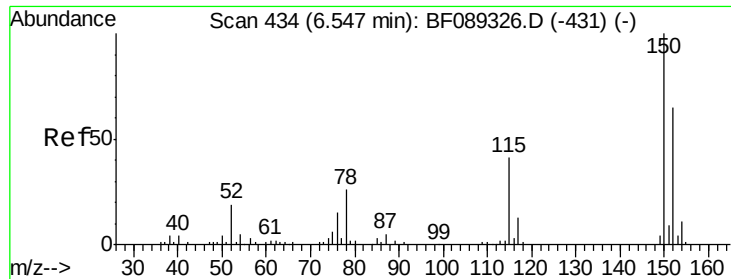
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.55 min Scan# 434

Delta R.T. 0.00 min

Lab File: BF089344.D

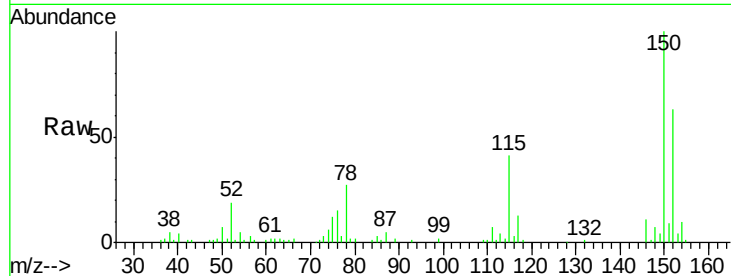
Acq: 28 Jul 2016 4:03

Instrument :

BNA_F

ClientSampleId :

SB-38-14.0-15.0MS

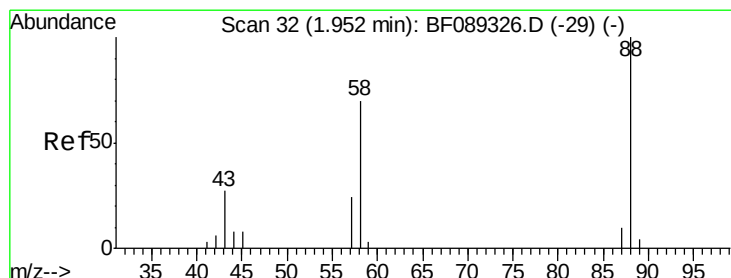
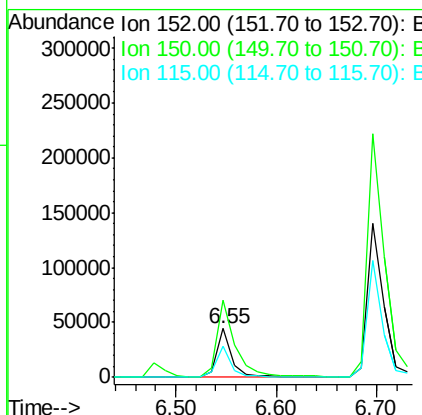
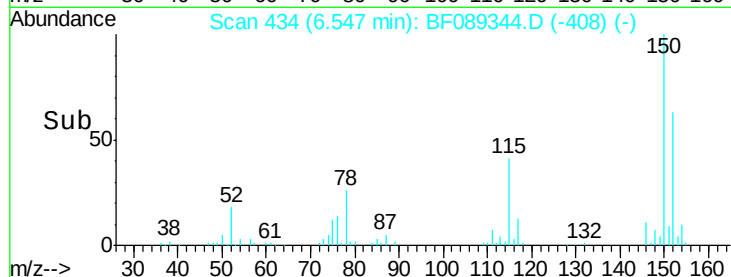


Tgt Ion:	152	Resp:	47445
Ion Ratio	Lower	Upper	
152	100		
150	157.8	129.5	194.3
115	64.2	51.4	77.2

Manual Integrations

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7/28/2016 5:03:22 PM



#2

1,4-Dioxane

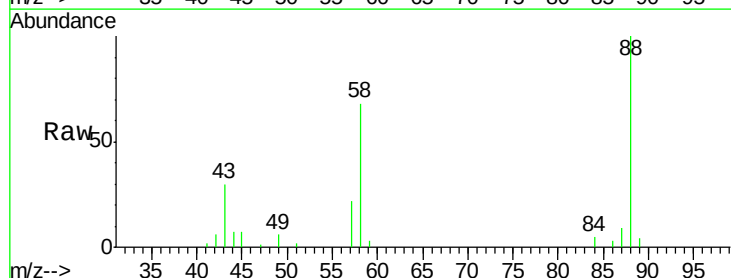
Concen: 38.63 ng

RT: 2.03 min Scan# 39

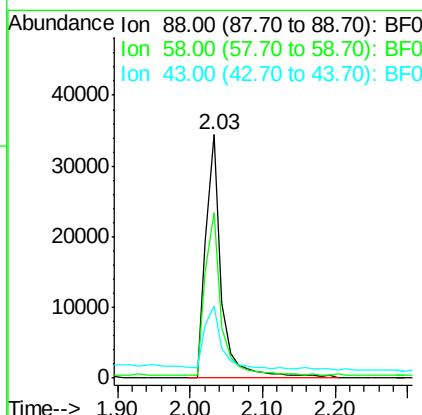
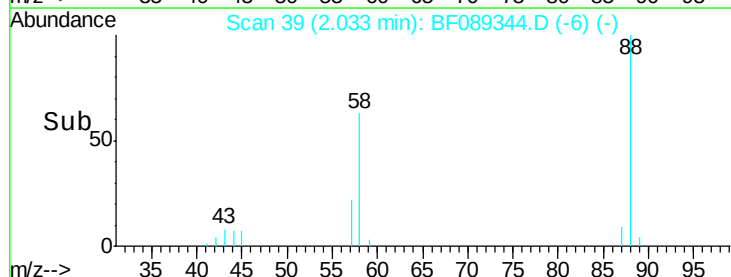
Delta R.T. 0.08 min

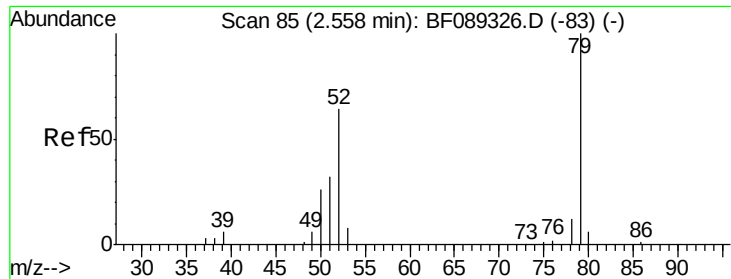
Lab File: BF089344.D

Acq: 28 Jul 2016 4:03



Tgt Ion:	88	Resp:	52166
Ion Ratio	Lower	Upper	
88	100		
58	66.5	53.2	79.8
43	28.2	20.6	31.0





#3

Pyridine

Concen: 44.38 ng

RT: 2.63 min Scan# 91

Delta R.T. 0.06 min

Lab File: BF089344.D

Acq: 28 Jul 2016 4:03

Instrument :

BNA_F

ClientSampleId :

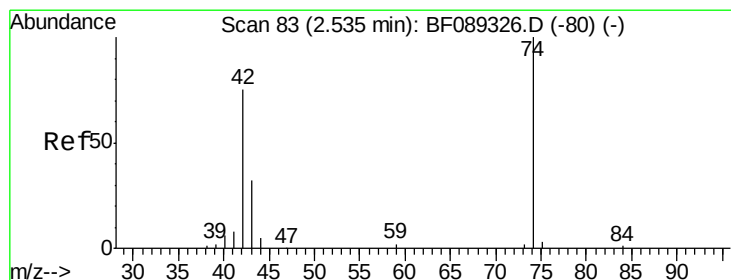
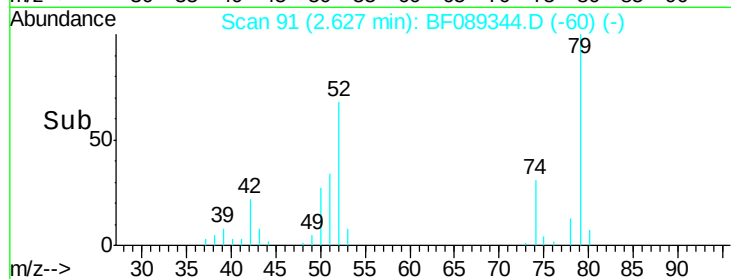
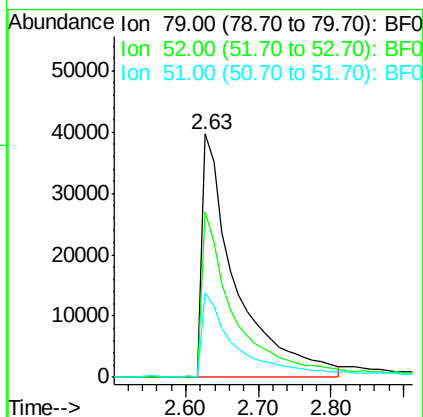
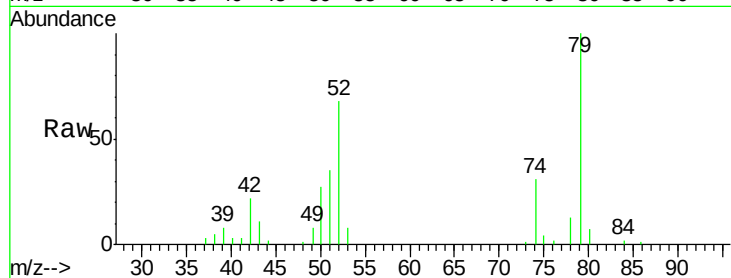
SB-38-14.0-15.0MS

Tgt Ion:	79	Resp:	129025
Ion	Ratio	Lower	Upper
79	100		
52	67.8	51.9	77.9
51	35.1	28.2	42.4

Manual Integrations

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7/28/2016 5:03:22 PM



#4

n-Nitrosodimethylamine

Concen: 45.60 ng

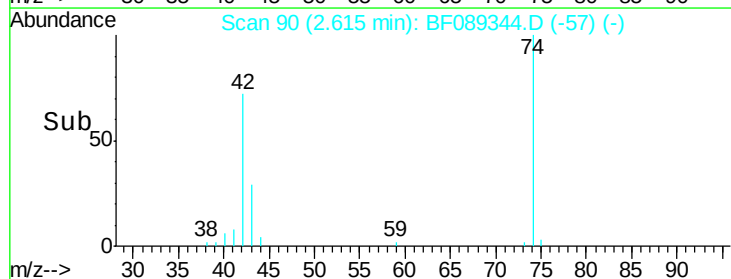
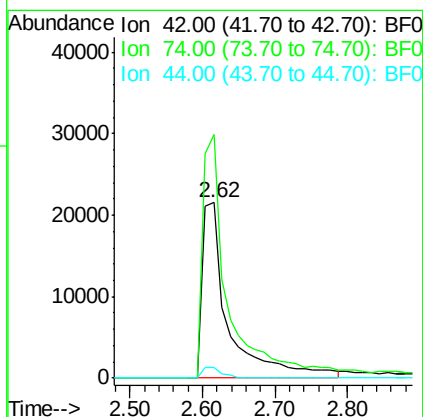
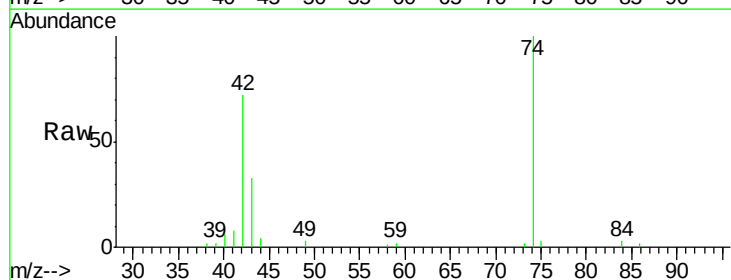
RT: 2.62 min Scan# 90

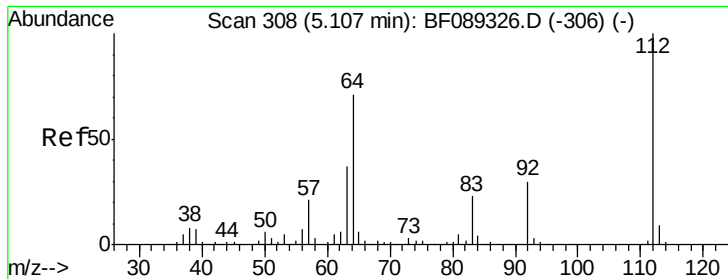
Delta R.T. 0.08 min

Lab File: BF089344.D

Acq: 28 Jul 2016 4:03

Tgt Ion:	42	Resp:	54024
Ion	Ratio	Lower	Upper
42	100		
74	138.6	110.8	166.2
44	6.0	5.2	7.8





#5

2-Fluorophenol

Concen: 133.17 ng

RT: 5.13 min Scan# 310

Delta R.T. 0.02 min

Lab File: BF089344.D

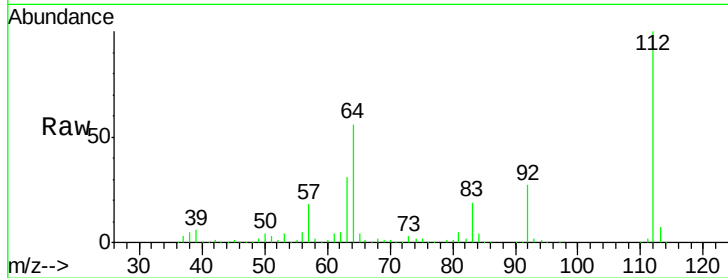
Acq: 28 Jul 2016 4:03

Instrument :

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ClientSampleId :

SB-38-14.0-15.0MS

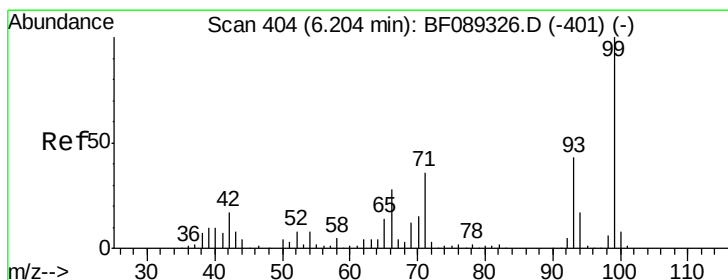
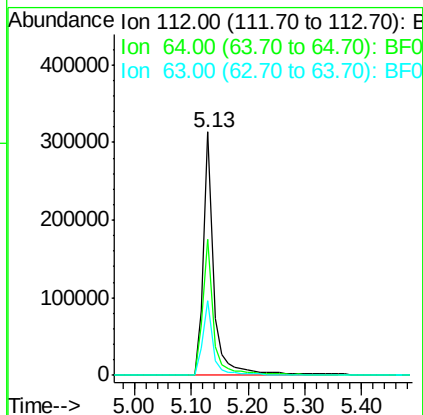
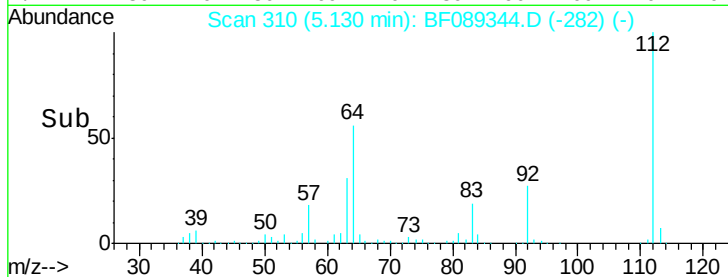


Tgt Ion:	112	Resp:	395688
Ion Ratio	Lower	Upper	
112	100		
64	56.1	55.0	82.6
63	30.7	29.4	44.2

Manual Integrations

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7/28/2016 5:03:22 PM



#6

Aniline

Concen: 46.49 ng

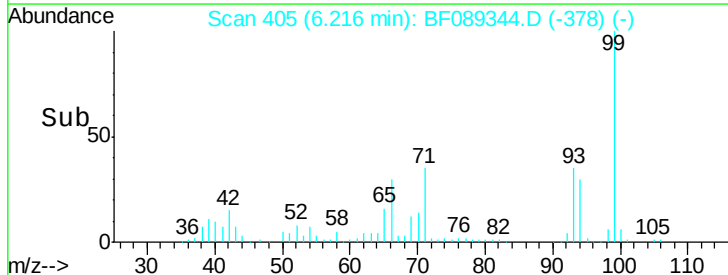
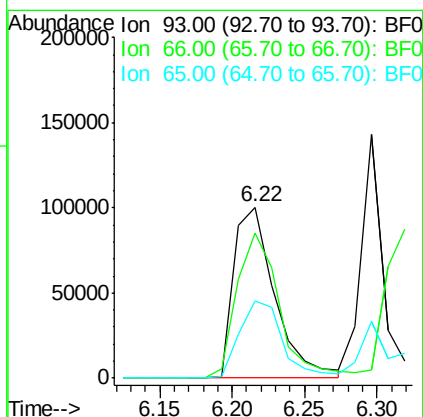
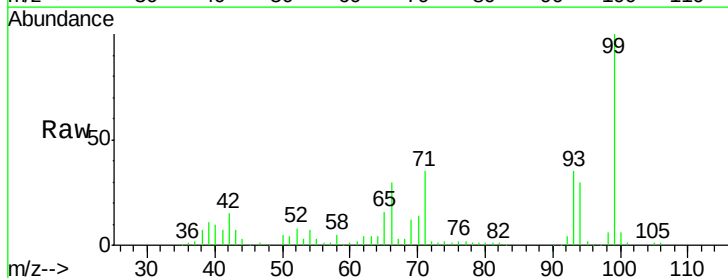
RT: 6.22 min Scan# 405

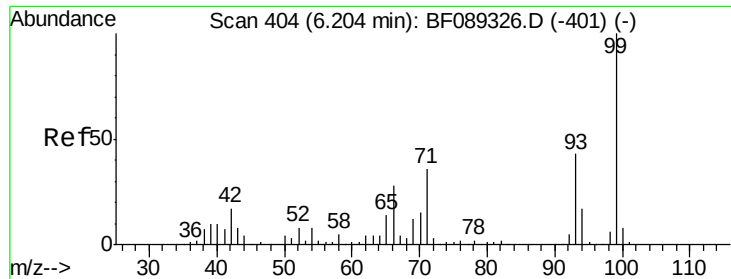
Delta R.T. 0.01 min

Lab File: BF089344.D

Acq: 28 Jul 2016 4:03

Tgt Ion:	93	Resp:	197112
Ion Ratio	Lower	Upper	
93	100		
66	85.0	51.6	77.4#
65	45.1	24.7	37.1#





#7

Phenol-d6

Concen: 130.04 ng

RT: 6.22 min Scan# 405

Delta R.T. 0.01 min

Lab File: BF089344.D

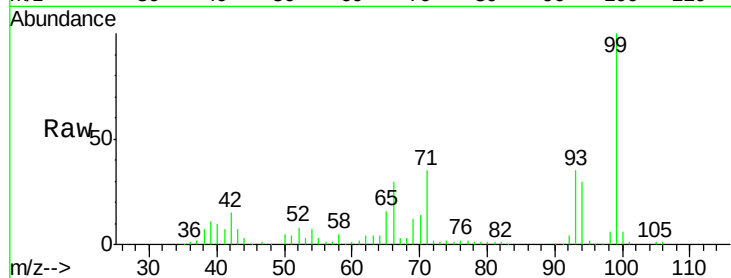
Acq: 28 Jul 2016 4:03

Instrument :

BNA_F

ClientSampled :

SB-38-14.0-15.0MS

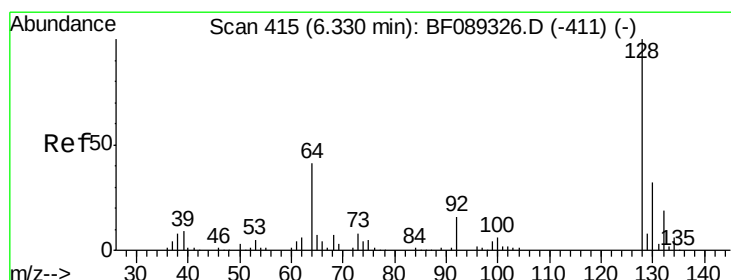
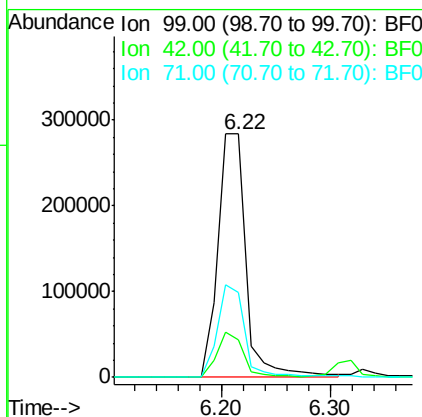
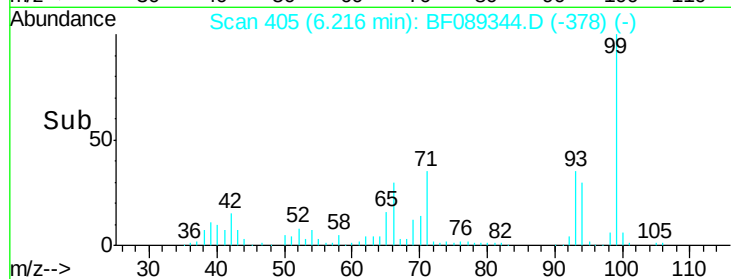


Tgt Ion:	99	Resp:	510661
Ion Ratio	Lower	Upper	
99	100		
42	15.5	13.6	20.4
71	34.7	29.4	44.2

Manual Integrations

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7/28/2016 5:03:22 PM



#8

2-Chlorophenol

Concen: 49.35 ng

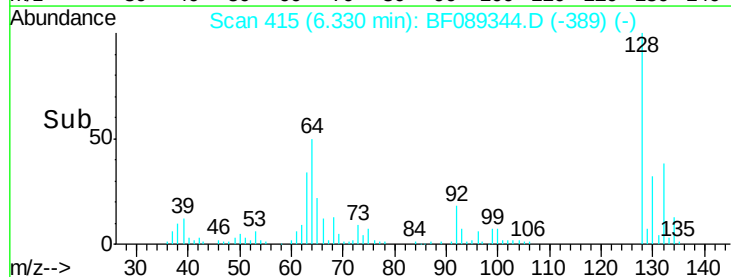
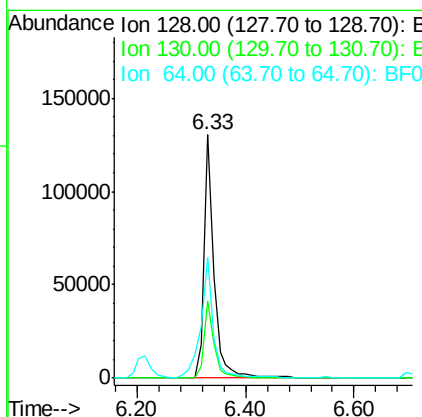
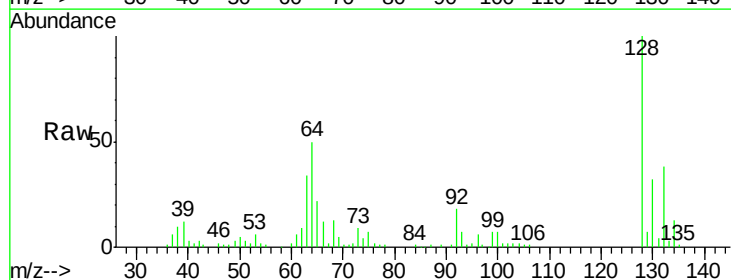
RT: 6.33 min Scan# 415

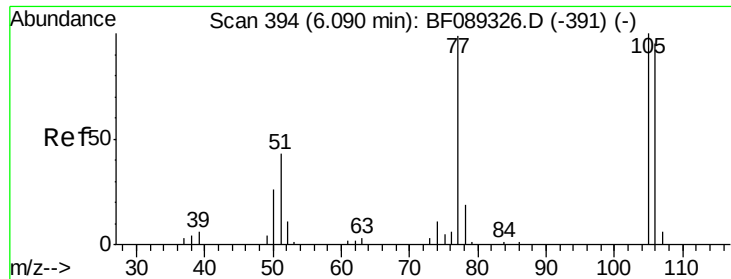
Delta R.T. 0.00 min

Lab File: BF089344.D

Acq: 28 Jul 2016 4:03

Tgt Ion:	128	Resp:	165881
Ion Ratio	Lower	Upper	
128	100		
130	31.5	12.6	52.6
64	49.7	22.1	62.1





#9

Benzaldehyde

Concen: 46.93 ng

RT: 6.09 min Scan# 394

Delta R.T. 0.00 min

Lab File: BF089344.D

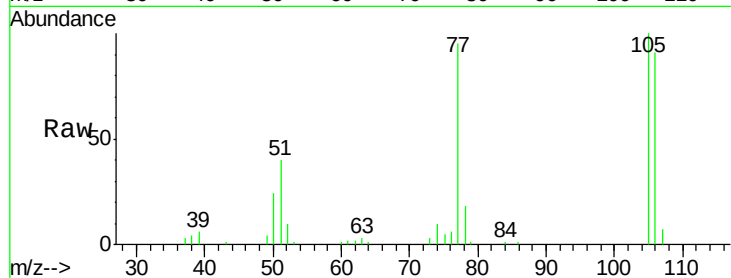
Acq: 28 Jul 2016 4:03

Instrument :

BNA_F

ClientSampleId :

SB-38-14.0-15.0MS



Tgt Ion: 77 Resp: 89976

Ion Ratio Lower Upper

77 100

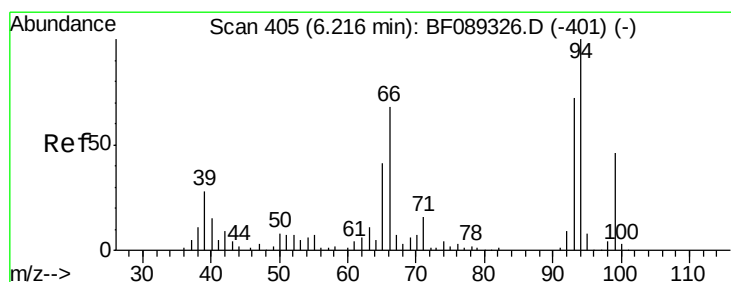
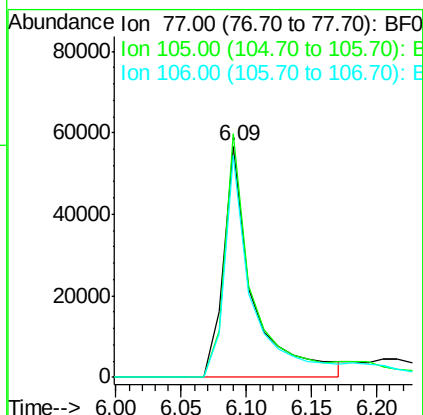
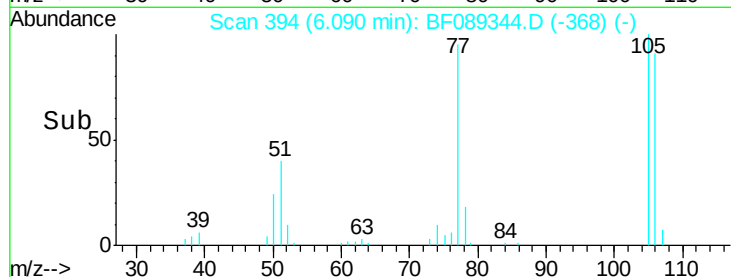
105 105.2 82.9 122.9

106 96.0 75.9 115.9

Manual Integrations

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7/28/2016 5:03:22 PM



#10

Phenol

Concen: 49.28 ng

RT: 6.23 min Scan# 406

Delta R.T. 0.01 min

Lab File: BF089344.D

Acq: 28 Jul 2016 4:03

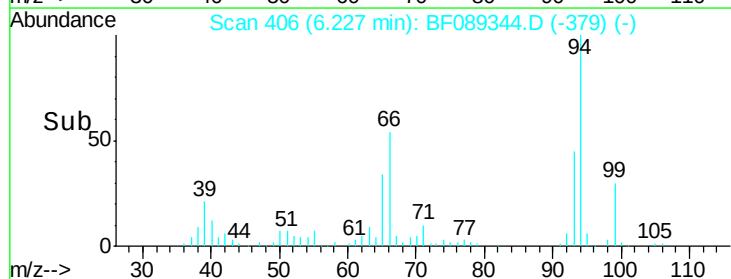
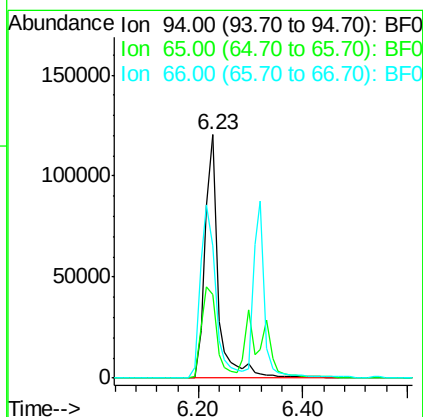
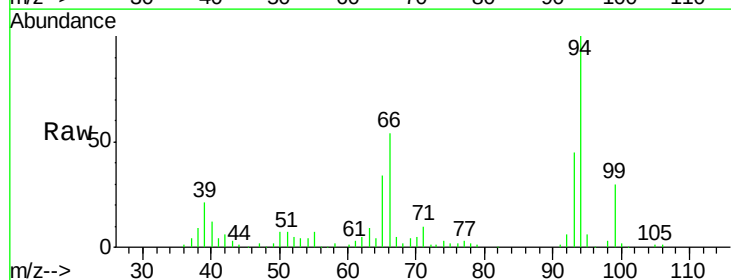
Tgt Ion: 94 Resp: 213527

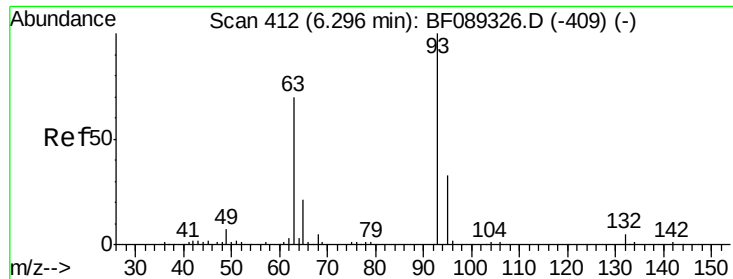
Ion Ratio Lower Upper

94 100

65 34.2 19.1 59.1

66 54.1 44.4 84.4





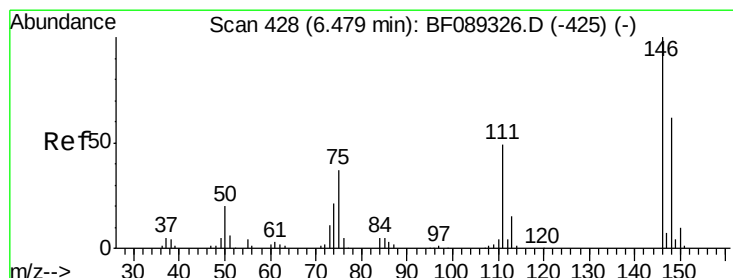
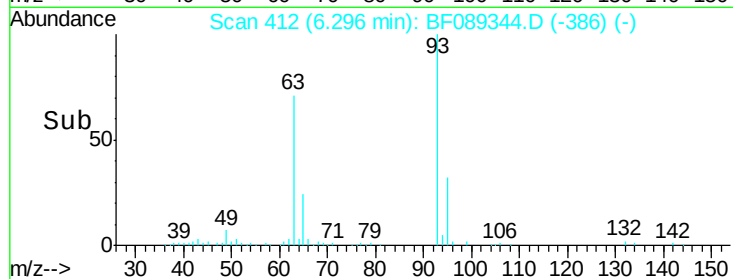
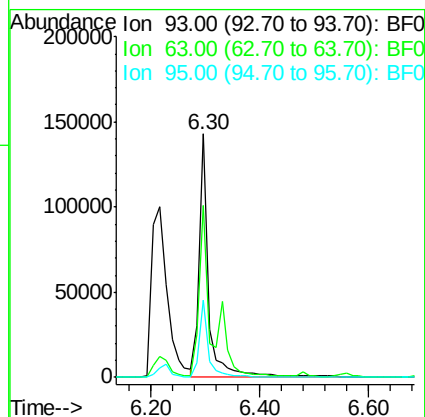
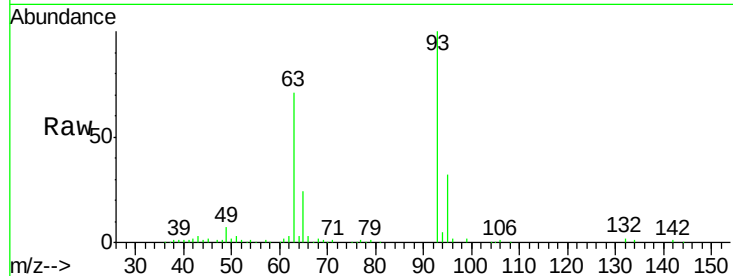
#11
bis(2-Chloroethyl)ether
Concen: 45.56 ng
RT: 6.30 min Scan# 412
Delta R.T. 0.00 min
Lab File: BF089344.D
Acq: 28 Jul 2016 4:03

Instrument :
BNA_F
ClientSampleId :
SB-38-14.0-15.0MS

Tgt Ion:	93	Resp:	167734
Ion	Ratio	Lower	Upper
93	100		
63	70.8	45.6	85.6
95	31.8	11.1	51.1

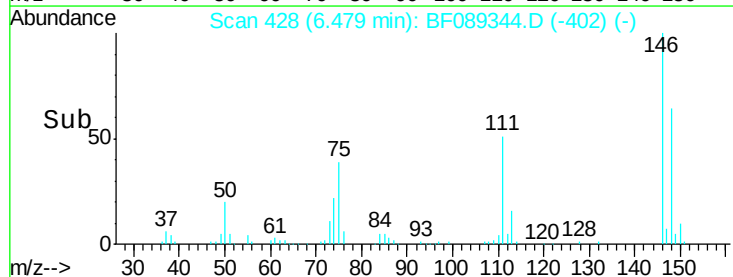
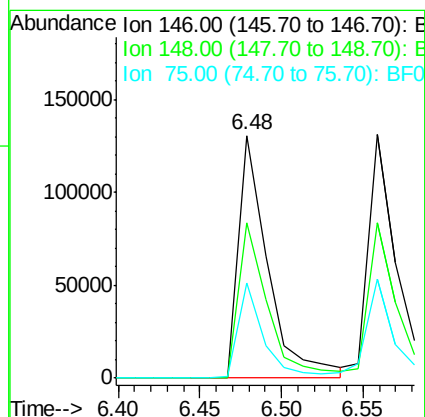
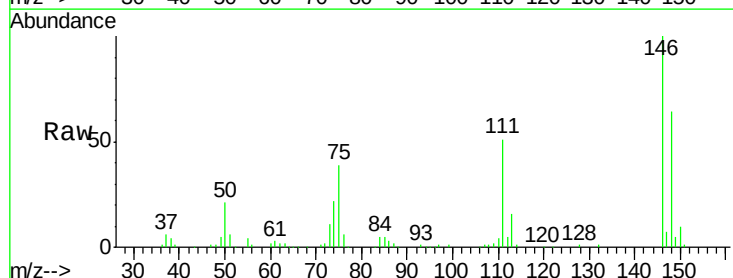
Manual Integrations

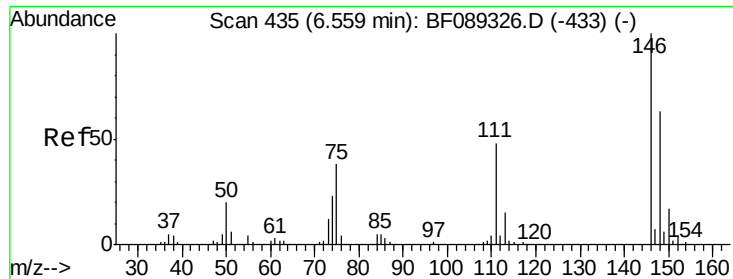
sohil
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#12
1,3-Dichlorobenzene
Concen: 46.28 ng
RT: 6.48 min Scan# 428
Delta R.T. 0.00 min
Lab File: BF089344.D
Acq: 28 Jul 2016 4:03

Tgt Ion:	146	Resp:	162694
Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.5	75.7
75	39.4	30.0	45.0





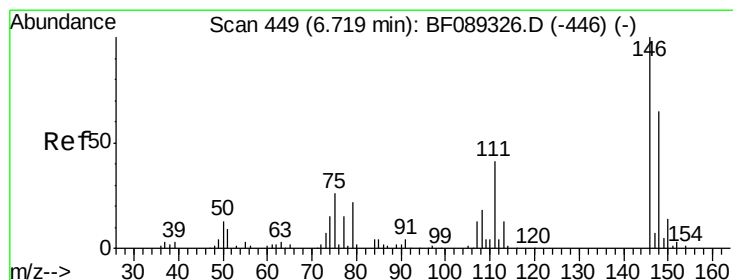
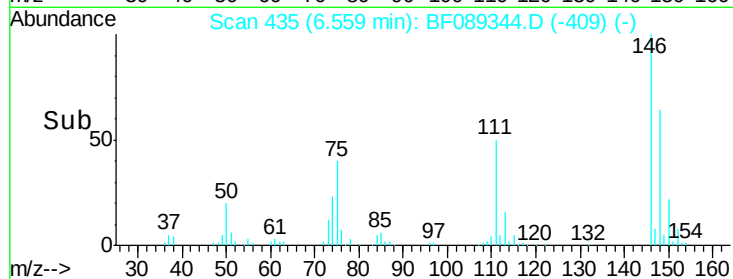
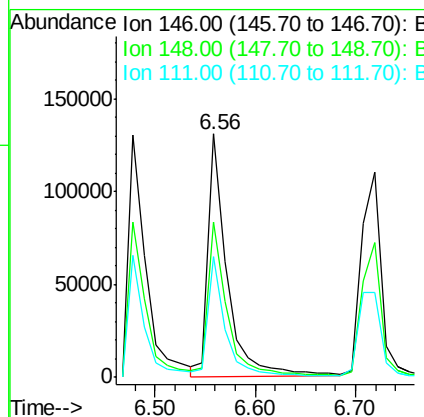
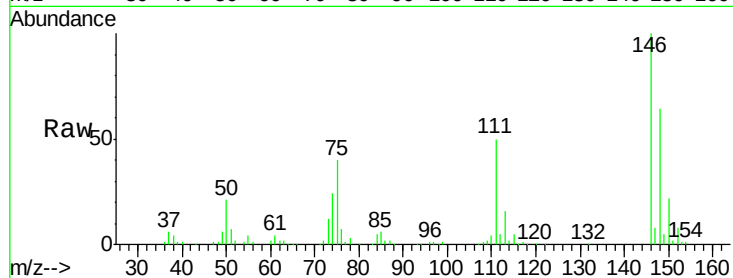
#13
1,4-Dichlorobenzene
Concen: 45.17 ng
RT: 6.56 min Scan# 435
Delta R.T. 0.00 min
Lab File: BF089344.D
Acq: 28 Jul 2016 4:03

Instrument :
BNA_F
ClientSampleId :
SB-38-14.0-15.0MS

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.8	76.2
111	49.5	38.6	57.8

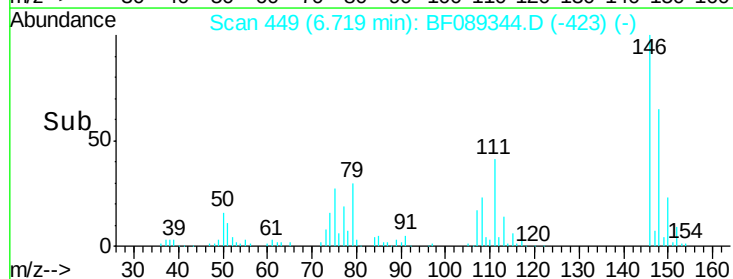
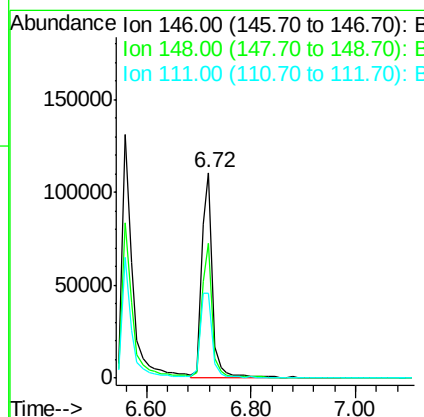
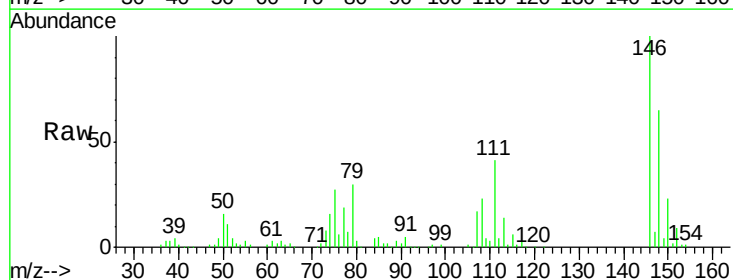
Manual Integrations

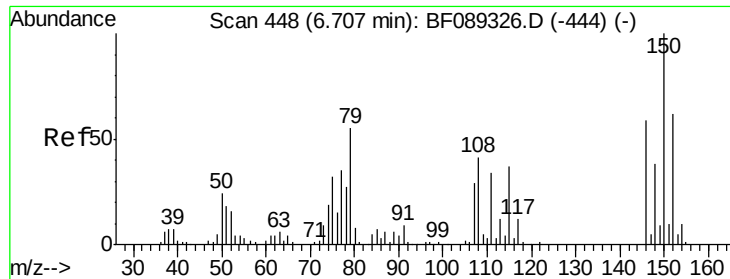
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7/28/2016 5:03:22 PM



#14
1,2-Dichlorobenzene
Concen: 44.66 ng
RT: 6.72 min Scan# 449
Delta R.T. 0.00 min
Lab File: BF089344.D
Acq: 28 Jul 2016 4:03

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.5	50.4	75.6
111	41.4	33.0	49.4





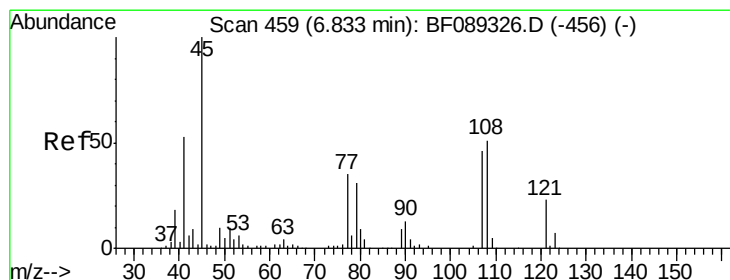
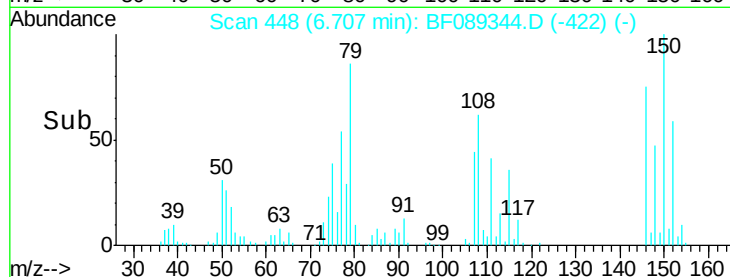
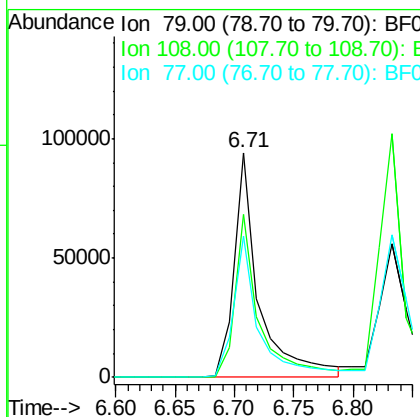
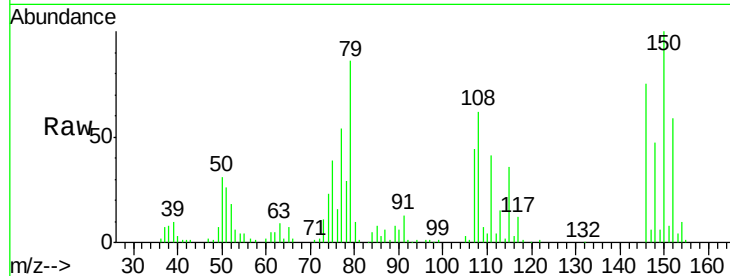
#15
Benzyl Alcohol
Concen: 56.42 ng
RT: 6.71 min Scan# 448
Delta R.T. 0.00 min
Lab File: BF089344.D
Acq: 28 Jul 2016 4:03

Instrument :
BNA_F
ClientSampleId :
SB-38-14.0-15.0MS

Tgt Ion	Ratio	Lower	Upper
79	100		
108	72.3	59.8	89.6
77	63.0	51.7	77.5

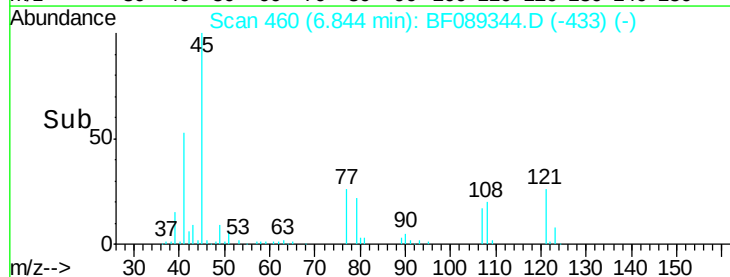
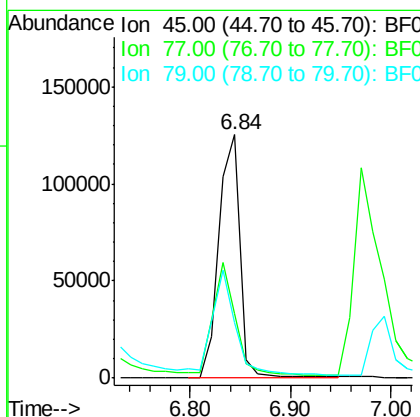
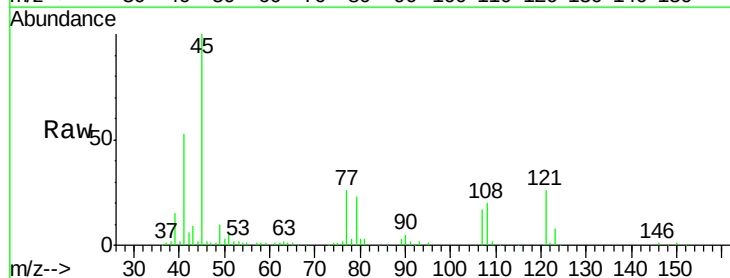
Manual Integrations

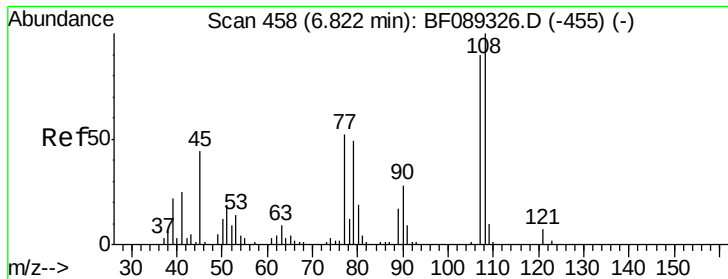
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.72 ng
RT: 6.84 min Scan# 460
Delta R.T. 0.01 min
Lab File: BF089344.D
Acq: 28 Jul 2016 4:03

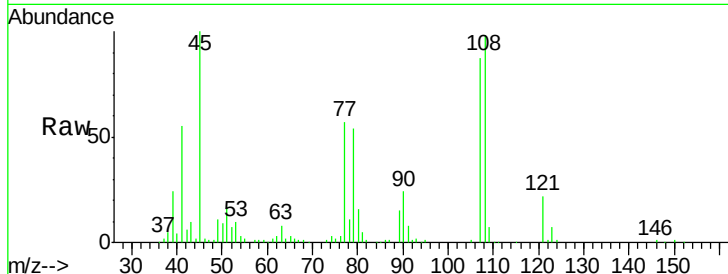
Tgt Ion	Ratio	Lower	Upper
45	100		
77	26.2	17.3	57.3
79	22.7	13.9	53.9





#17
2-Methylphenol
Concen: 49.54 ng
RT: 6.83 min Scan# 459
Delta R.T. 0.01 min
Lab File: BF089344.D
Acq: 28 Jul 2016 4:03

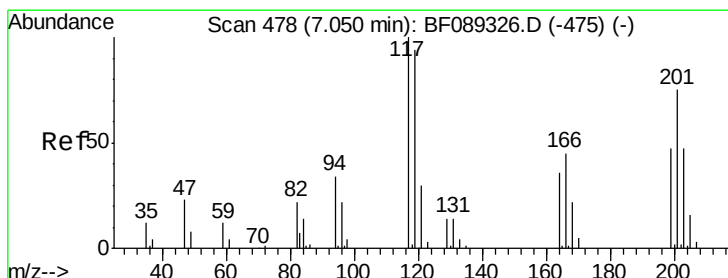
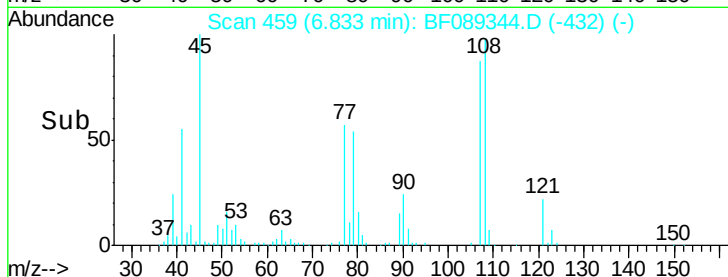
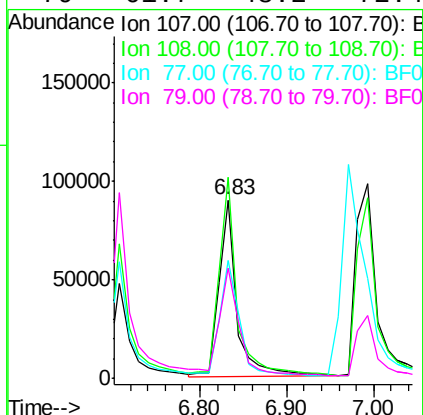
Instrument :
BNA_F
ClientSampleId :
SB-38-14.0-15.0MS



Tgt Ion:	107	Resp:	128697
Ion Ratio	Lower	Upper	
107	100		
108	112.6	91.4	137.0
77	65.7	48.6	73.0
79	61.7	48.2	72.4

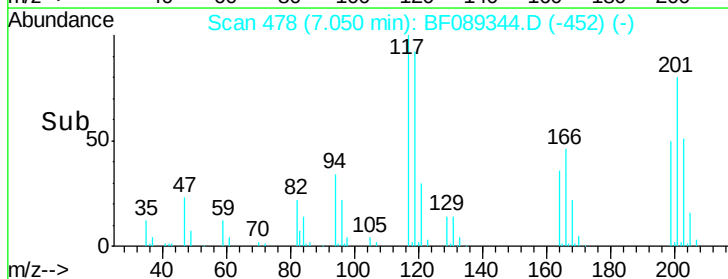
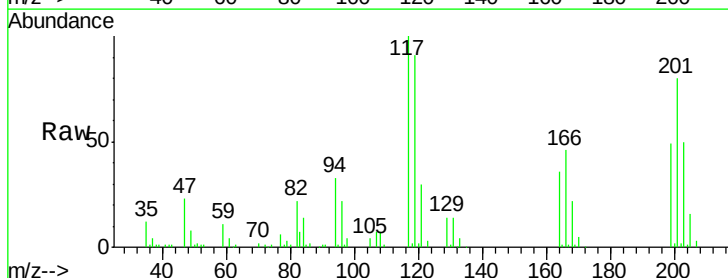
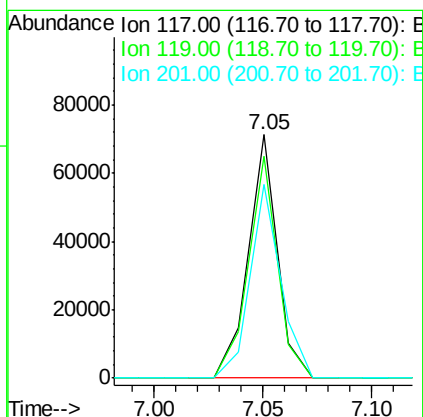
Manual Integrations

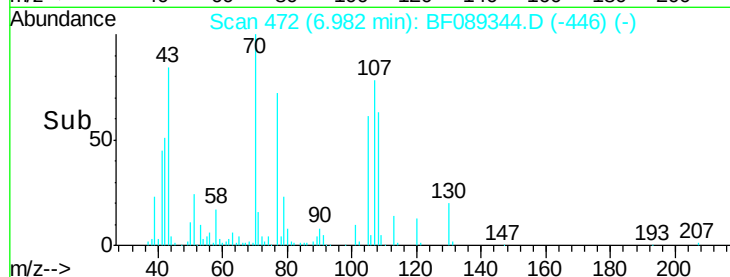
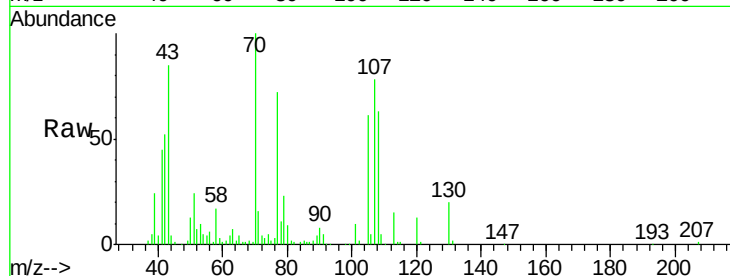
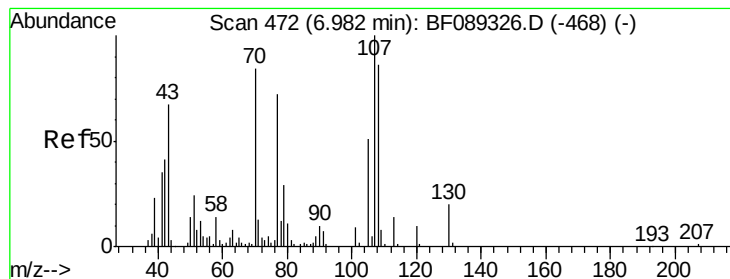
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7/28/2016 5:03:22 PM



#18
Hexachloroethane
Concen: 44.32 ng
RT: 7.05 min Scan# 478
Delta R.T. 0.00 min
Lab File: BF089344.D
Acq: 28 Jul 2016 4:03

Tgt Ion:	117	Resp:	65922
Ion Ratio	Lower	Upper	
117	100		
119	91.1	76.0	114.0
201	79.8	60.0	90.0





#19

n-Nitroso-di-n-propylamine

Concen: 52.18 ng

RT: 6.98 min Scan# 472

Delta R.T. 0.00 min

Lab File: BF089344.D

Acq: 28 Jul 2016 4:03

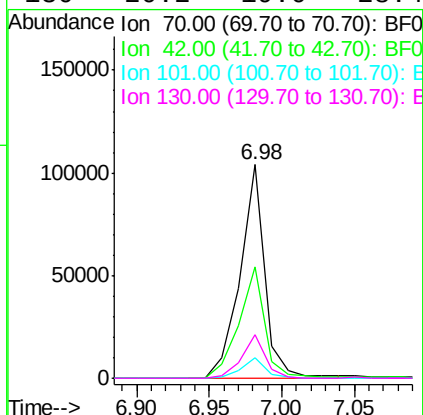
Instrument :

BNA_F

ClientSampleId :

SB-38-14.0-15.0MS

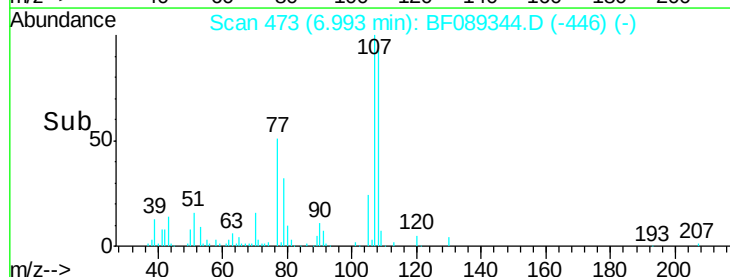
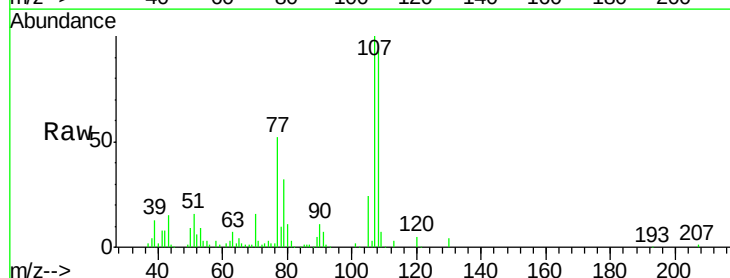
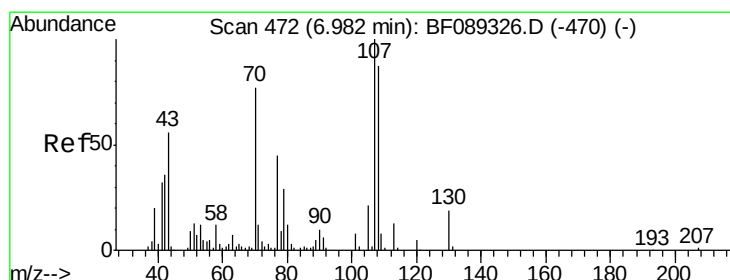
Tgt Ion	Ratio	Lower	Upper
70	100		
42	51.9	38.6	57.8
101	9.7	8.3	12.5
130	20.2	19.0	28.4



Manual Integrations

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7/28/2016 5:03:22 PM



#20

3+4-Methylphenols

Concen: 50.75 ng

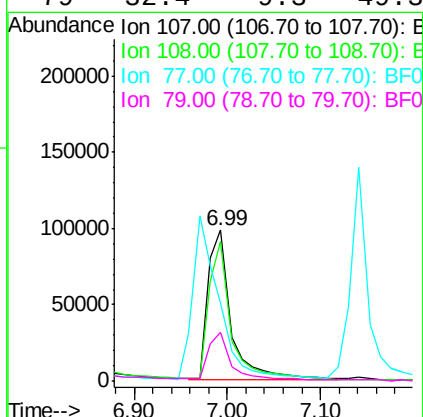
RT: 6.99 min Scan# 473

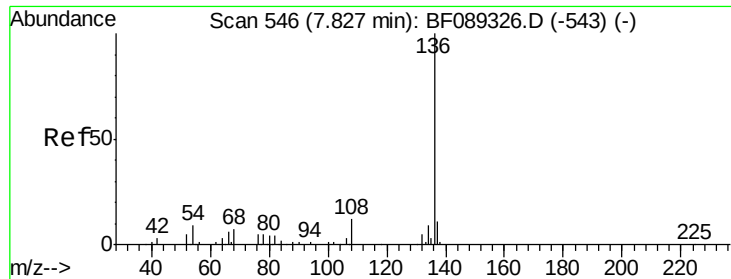
Delta R.T. 0.01 min

Lab File: BF089344.D

Acq: 28 Jul 2016 4:03

Tgt Ion	Ratio	Lower	Upper
107	100		
108	92.6	63.3	103.3
77	51.6	51.1	91.1
79	32.4	9.3	49.3





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.83 min Scan# 546

Delta R.T. 0.00 min

Lab File: BF089344.D

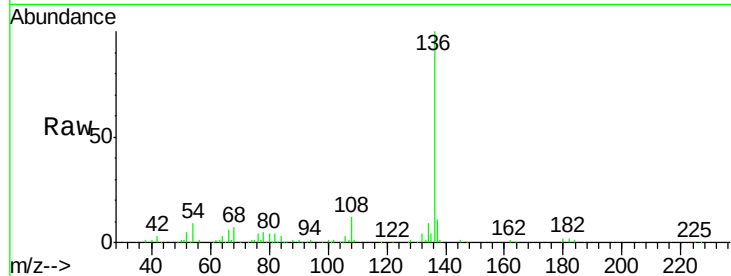
Acq: 28 Jul 2016 4:03

Instrument :

BNA_F

ClientSampleId :

SB-38-14.0-15.0MS



Tgt Ion:136 Resp: 206955

Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

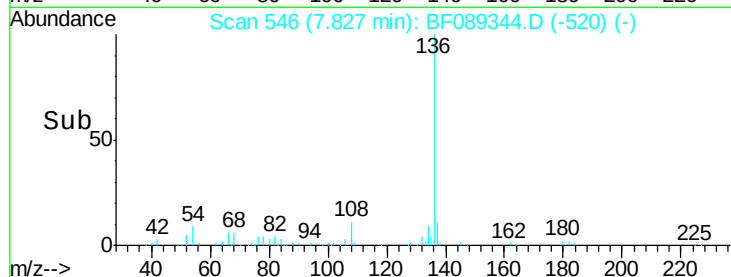
54 8.6 7.0 10.4

68 6.6 4.9 7.3

Manual Integrations

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7/28/2016 5:03:22 PM

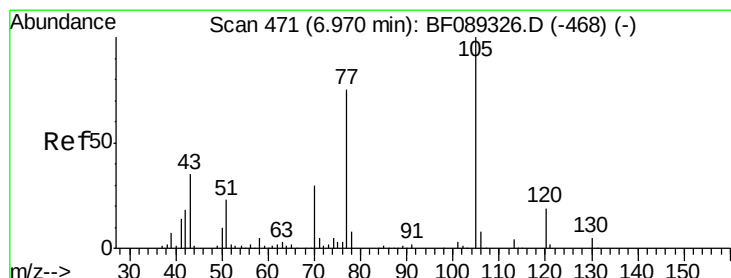
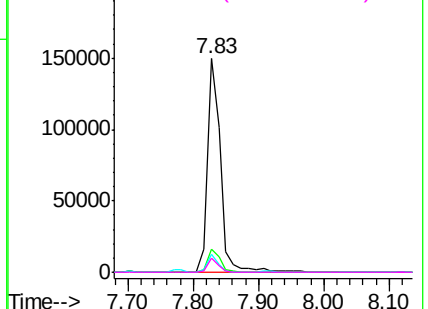


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 42.86 ng

RT: 6.97 min Scan# 471

Delta R.T. 0.00 min

Lab File: BF089344.D

Acq: 28 Jul 2016 4:03

Tgt Ion:105 Resp: 211181

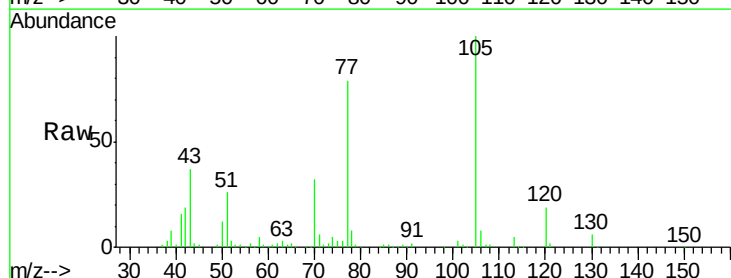
Ion Ratio Lower Upper

105 100

71 5.5 4.2 6.2

51 25.6 18.7 28.1

120 18.9 15.8 23.6

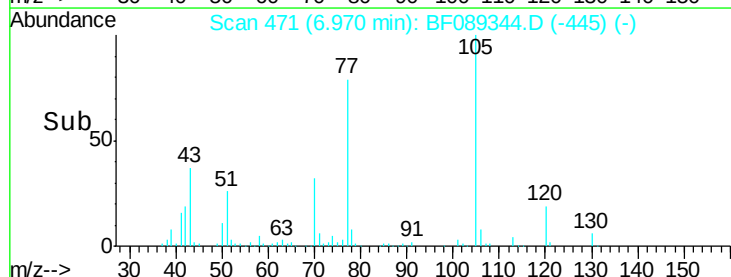
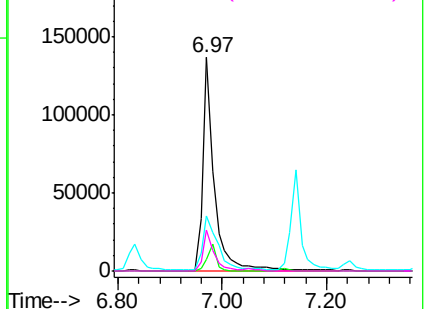


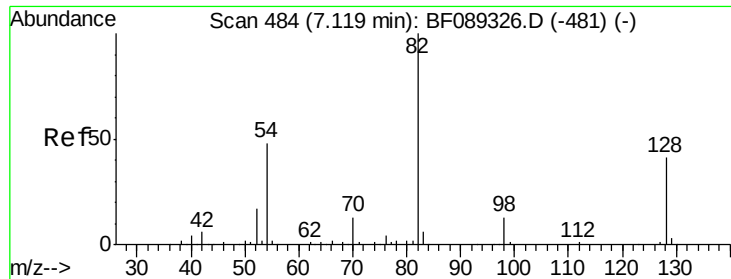
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





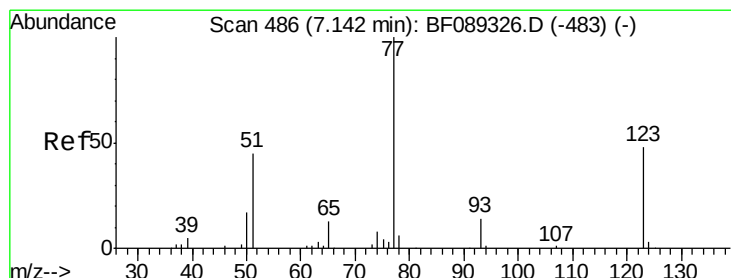
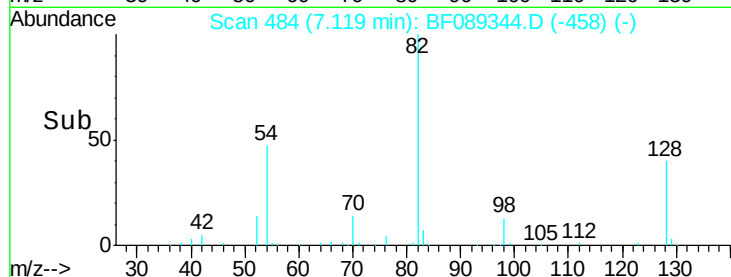
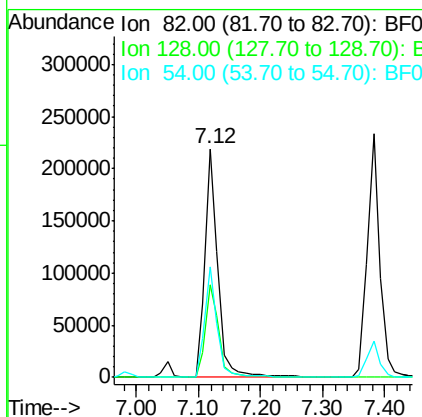
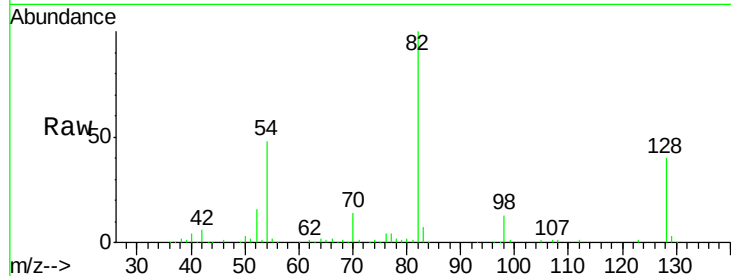
#23
 Nitrobenzene-d5
 Concen: 91.62 ng
 RT: 7.12 min Scan# 484
 Delta R.T. 0.00 min
 Lab File: BF089344.D
 Acq: 28 Jul 2016 4:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-38-14.0-15.0MS

Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.4	32.5	48.7
54	48.4	38.8	58.2

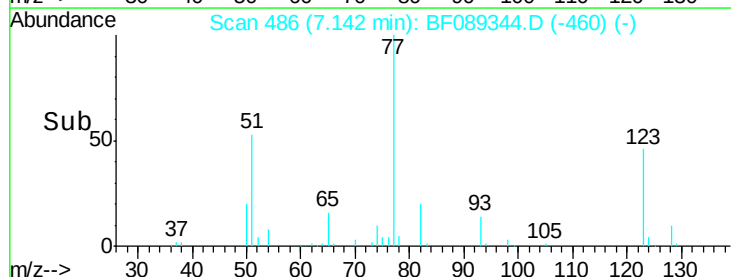
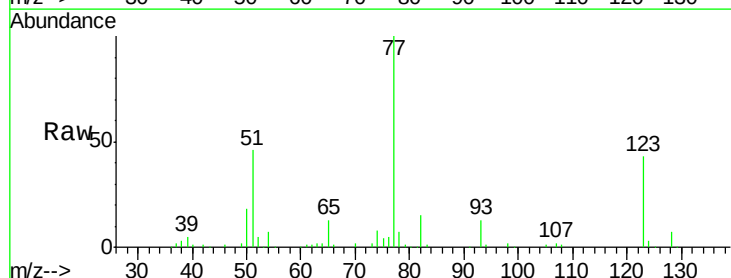
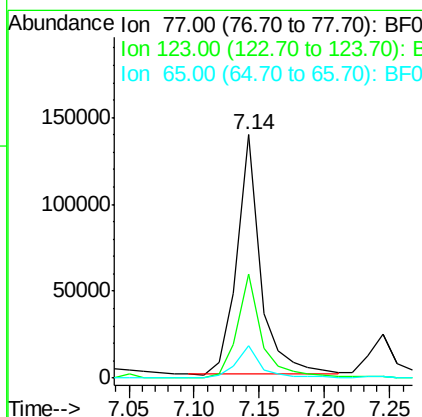
Manual Integrations

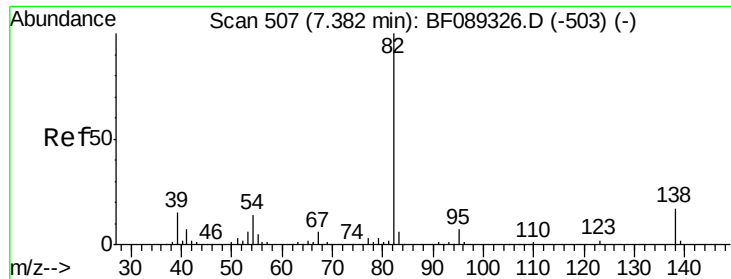
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#24
 Nitrobenzene
 Concen: 43.59 ng
 RT: 7.14 min Scan# 486
 Delta R.T. 0.00 min
 Lab File: BF089344.D
 Acq: 28 Jul 2016 4:03

Tgt Ion	Ratio	Lower	Upper
77	100		
123	42.7	37.2	55.8
65	13.2	10.2	15.4





#25

Isophorone

Concen: 46.35 ng

RT: 7.38 min Scan# 507

Delta R.T. 0.00 min

Lab File: BF089344.D

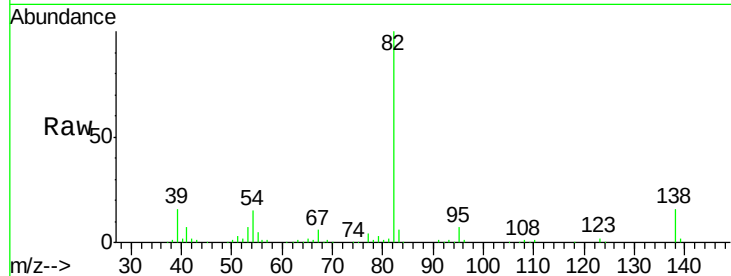
Acq: 28 Jul 2016 4:03

Instrument :

BNA_F

ClientSampleId :

SB-38-14.0-15.0MS

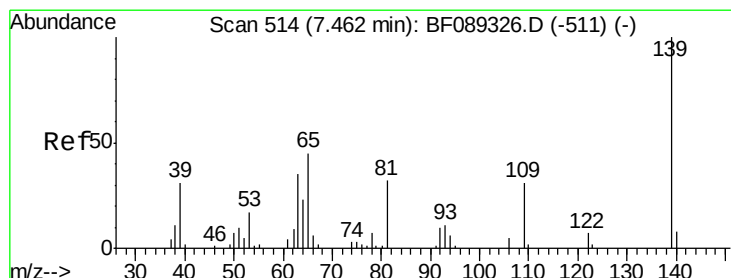
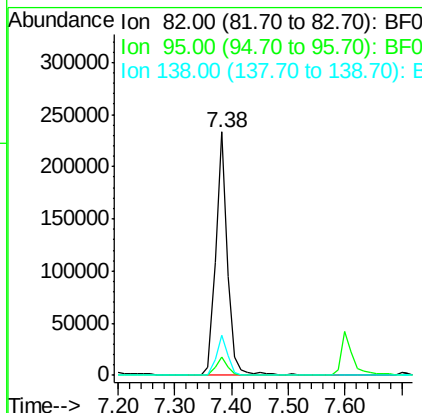
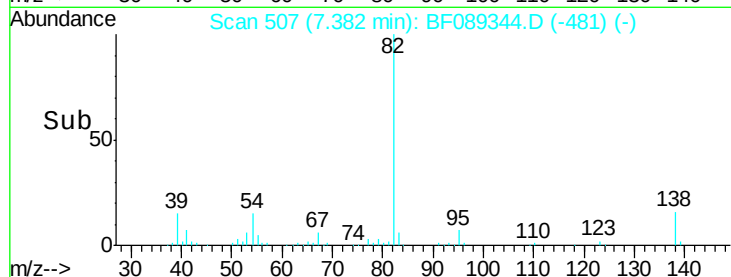


Tgt Ion:	82	Resp:	327330
Ion	Ratio	Lower	Upper
82	100		
95	7.4	6.0	9.0
138	16.2	13.3	19.9

Manual Integrations

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7/28/2016 5:03:22 PM



#26

2-Nitrophenol

Concen: 46.25 ng

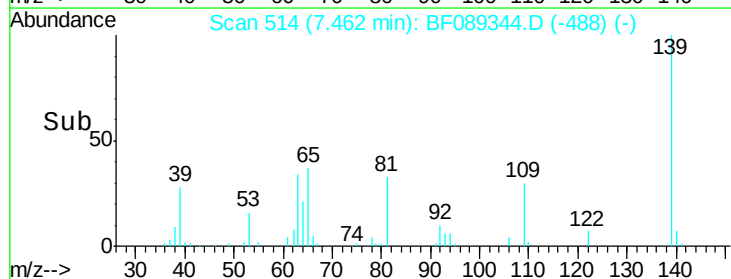
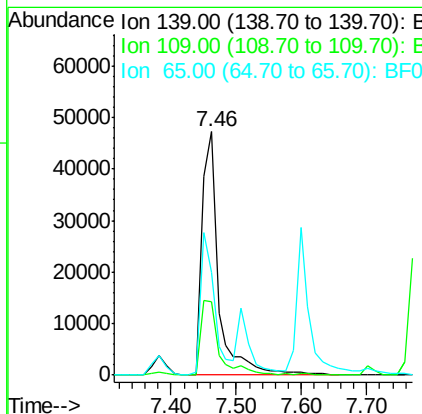
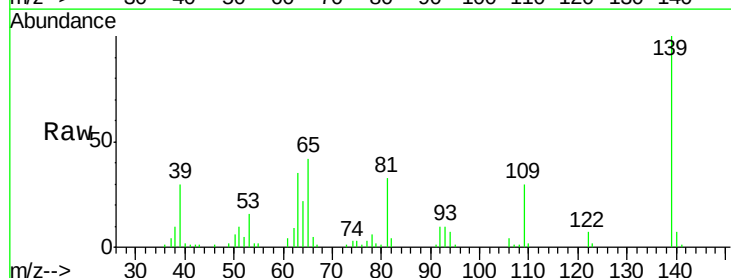
RT: 7.46 min Scan# 514

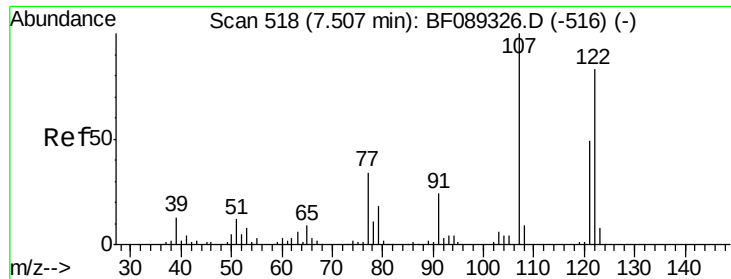
Delta R.T. 0.00 min

Lab File: BF089344.D

Acq: 28 Jul 2016 4:03

Tgt Ion:	139	Resp:	82520
Ion	Ratio	Lower	Upper
139	100		
109	30.4	25.8	38.8
65	42.1	35.2	52.8





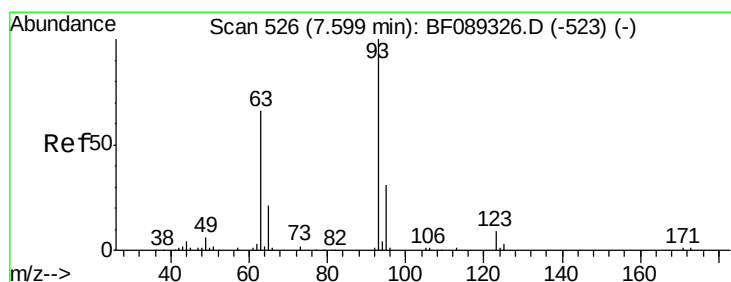
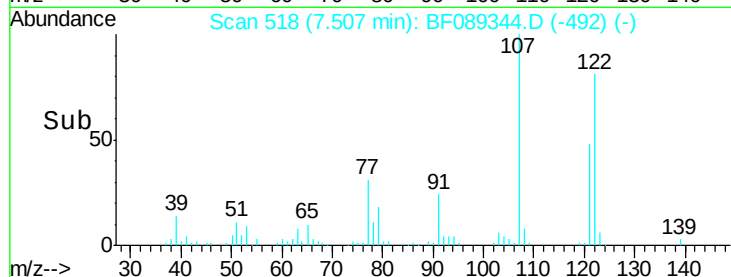
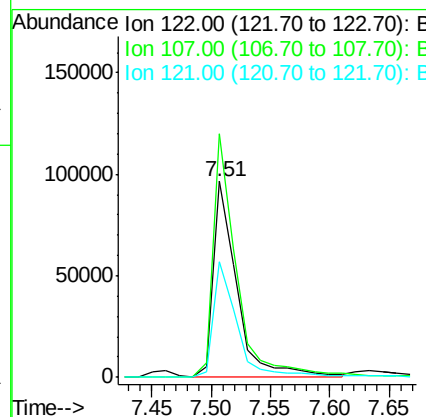
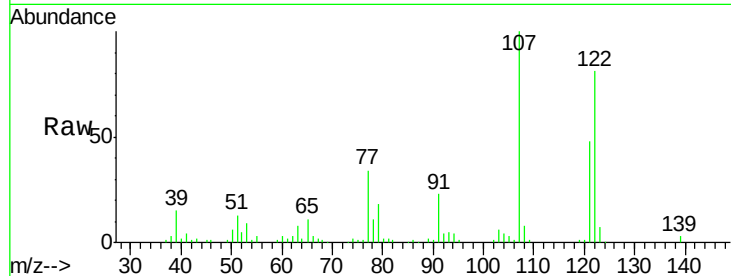
#27
 2,4-Dimethylphenol
 Concen: 46.68 ng
 RT: 7.51 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: BF089344.D
 Acq: 28 Jul 2016 4:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-38-14.0-15.0MS

Tgt Ion: 122 Resp: 132665
 Ion Ratio Lower Upper
 122 100
 107 124.1 97.2 145.8
 121 59.1 48.8 73.2

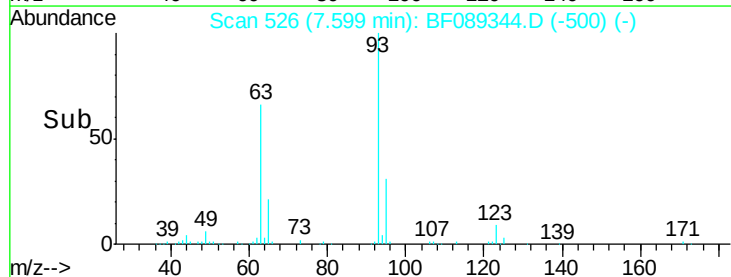
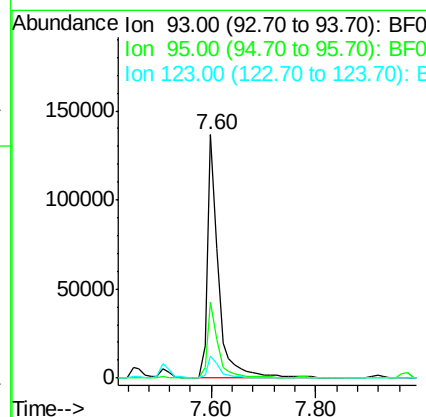
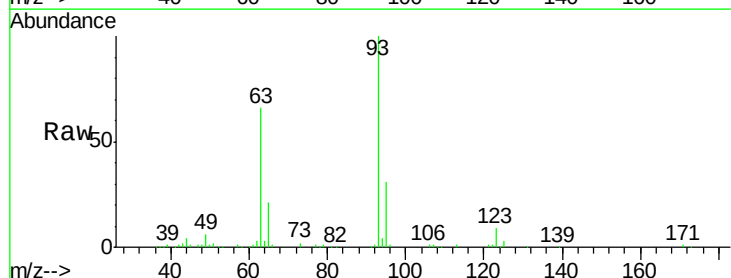
Manual Integrations

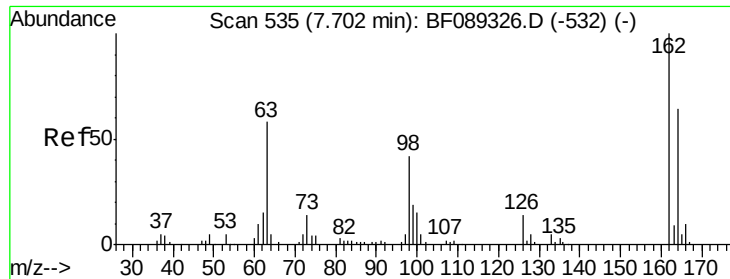
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#28
 bis(2-Chloroethoxy)methane
 Concen: 50.47 ng
 RT: 7.60 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: BF089344.D
 Acq: 28 Jul 2016 4:03

Tgt Ion: 93 Resp: 197322
 Ion Ratio Lower Upper
 93 100
 95 31.0 24.7 37.1
 123 9.4 7.5 11.3





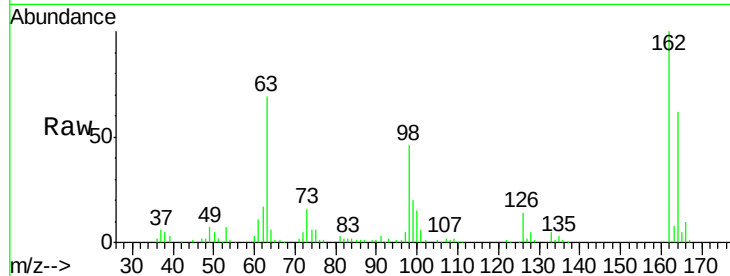
#29
2,4-Dichlorophenol
Concen: 52.57 ng
RT: 7.70 min Scan# 535
Delta R.T. 0.00 min
Lab File: BF089344.D
Acq: 28 Jul 2016 4:03

Instrument :
BNA_F
ClientSampleId :
SB-38-14.0-15.0MS

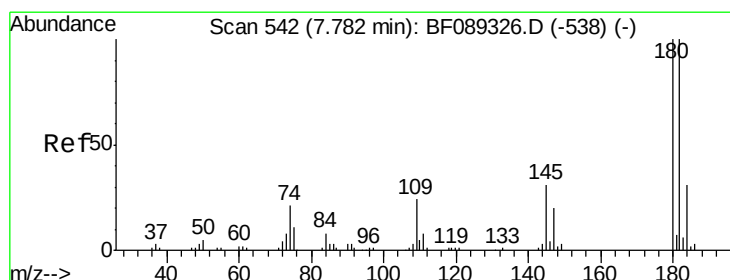
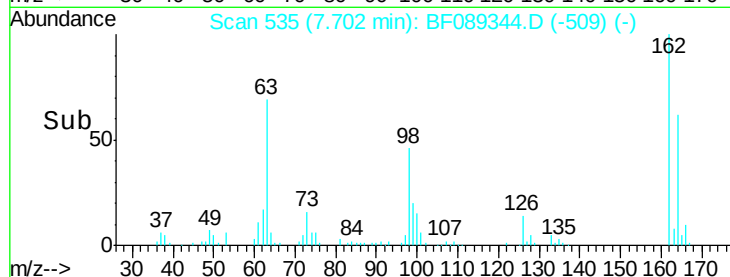
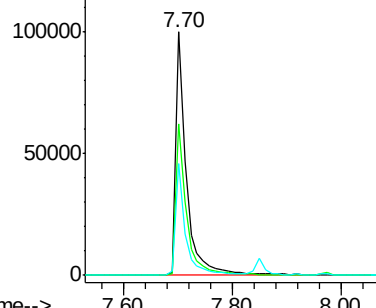
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	136147		
164	62.2	44.0	84.0	
98	46.0	21.8	61.8	

Manual Integrations

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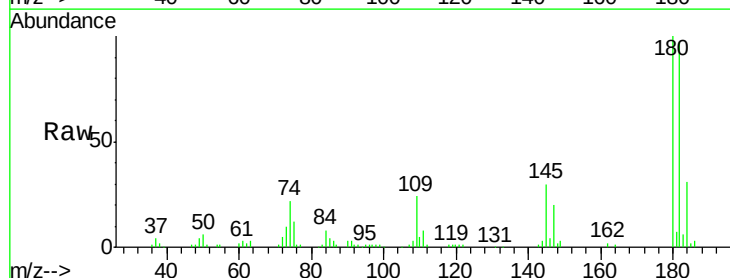


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0

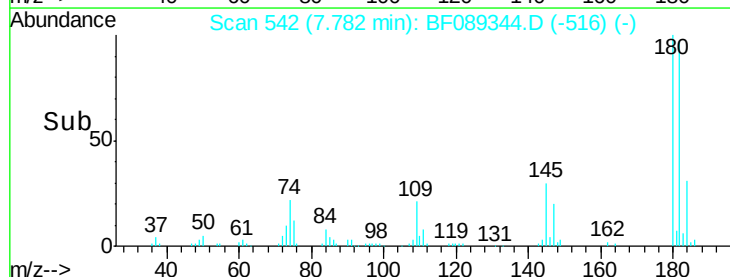
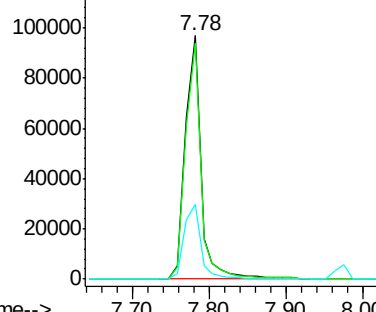


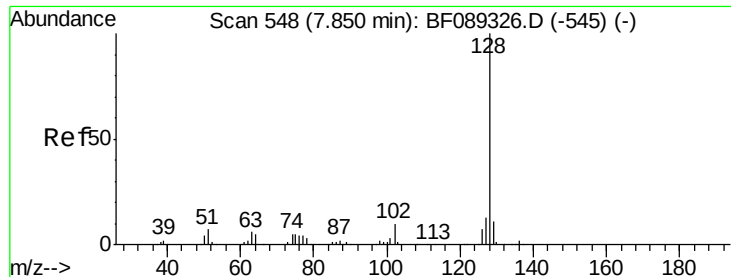
#30
1,2,4-Trichlorobenzene
Concen: 46.80 ng
RT: 7.78 min Scan# 542
Delta R.T. 0.00 min
Lab File: BF089344.D
Acq: 28 Jul 2016 4:03

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	138290		
182	97.1	78.2	117.2	
145	30.4	24.6	36.8	



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 44.34 ng m

RT: 7.85 min Scan# 548

Delta R.T. 0.00 min

Lab File: BF089344.D

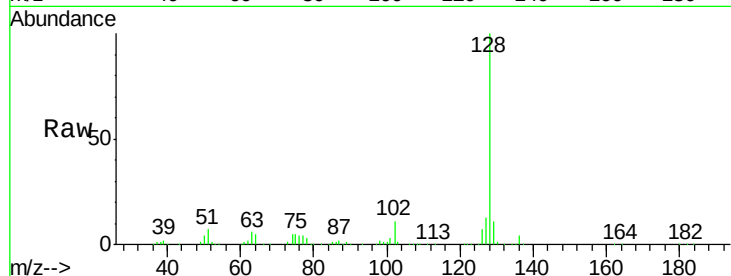
Acq: 28 Jul 2016 4:03

Instrument :

BNA_F

ClientSampleId :

SB-38-14.0-15.0MS



Tgt Ion:128 Resp: 454420

Ion Ratio Lower Upper

128 100

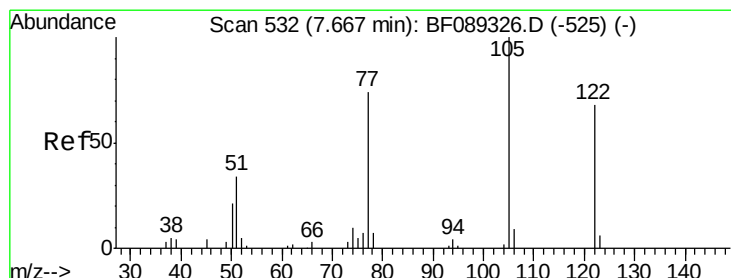
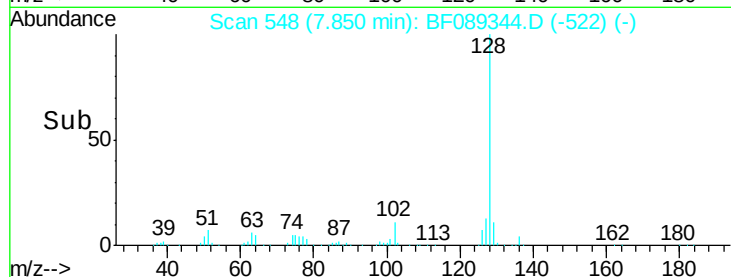
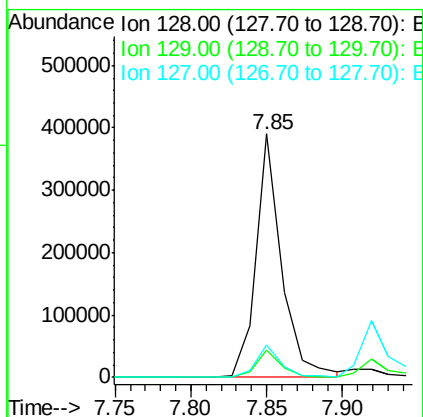
129 11.2 8.8 13.2

127 13.4 10.8 16.2

Manual Integrations

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7/28/2016 5:03:22 PM



#32

Benzoic acid

Concen: 4.69 ng

RT: 7.63 min Scan# 529

Delta R.T. -0.03 min

Lab File: BF089344.D

Acq: 28 Jul 2016 4:03

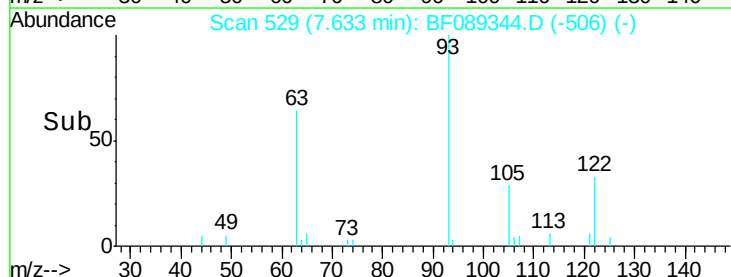
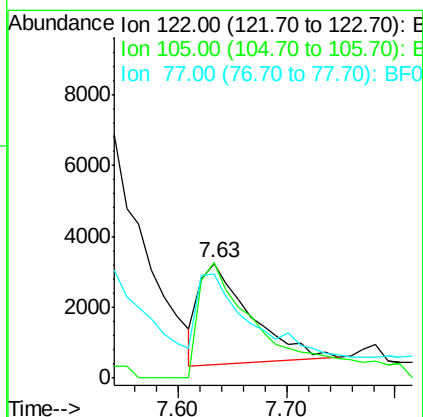
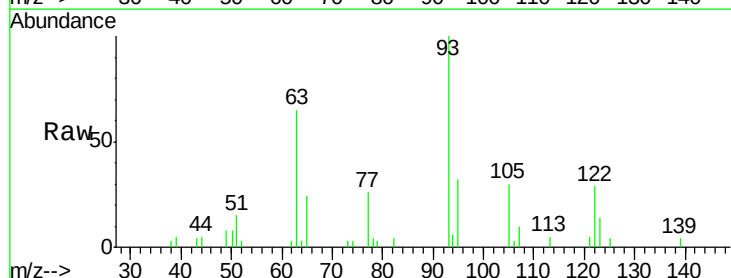
Tgt Ion:122 Resp: 9279

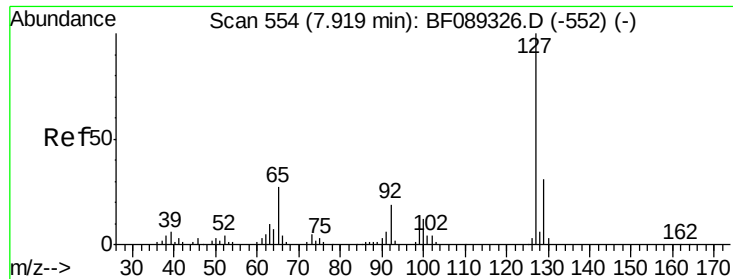
Ion Ratio Lower Upper

122 100

105 101.4 106.4 146.4#

77 90.5 76.4 116.4





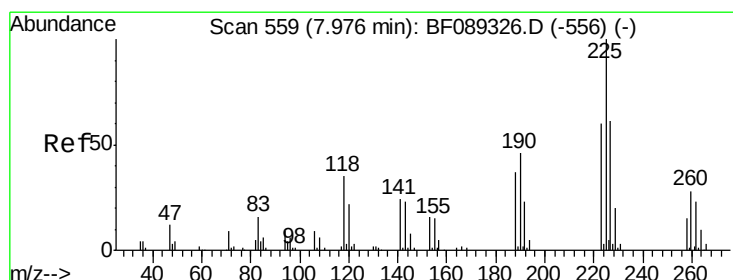
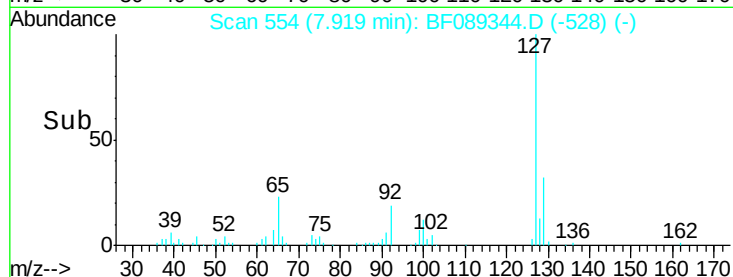
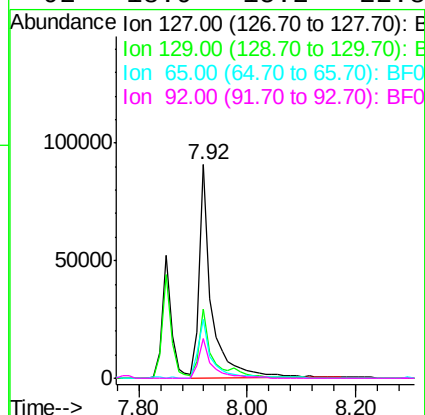
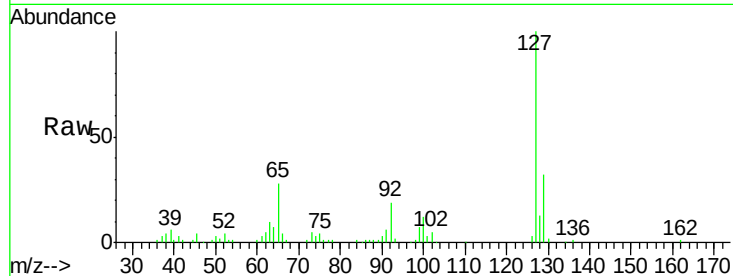
#33
4-Chloroaniline
Concen: 35.84 ng
RT: 7.92 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF089344.D
Acq: 28 Jul 2016 4:03

Instrument :
BNA_F
ClientSampleId :
SB-38-14.0-15.0MS

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	139842		
129	32.4	26.1	39.1	
65	27.5	22.0	33.0	
92	18.9	15.2	22.8	

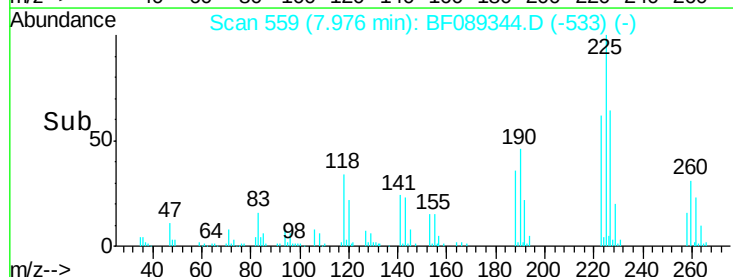
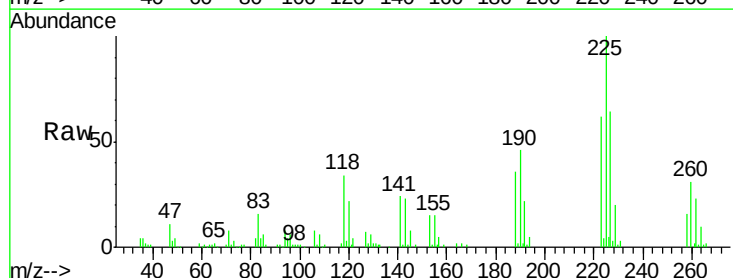
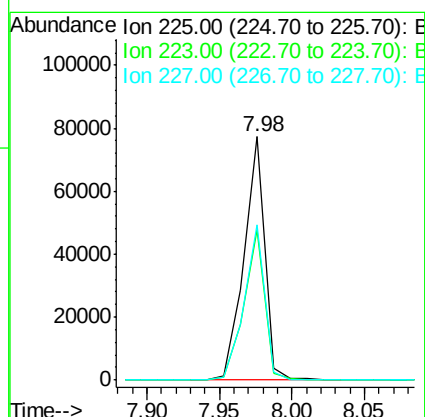
Manual Integrations

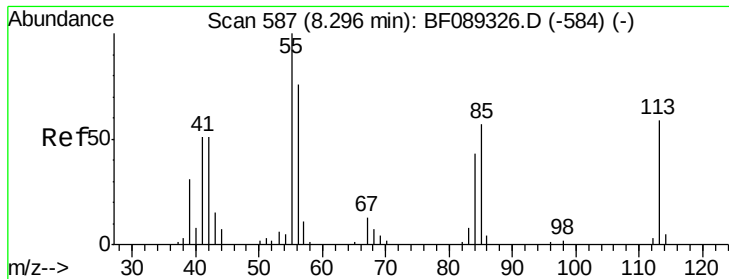
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7/28/2016 5:03:22 PM



#34
Hexachlorobutadiene
Concen: 45.41 ng
RT: 7.98 min Scan# 559
Delta R.T. 0.00 min
Lab File: BF089344.D
Acq: 28 Jul 2016 4:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	76849		
223	61.8	49.8	74.8	
227	63.6	49.4	74.2	





#35

Caprolactam

Concen: 47.32 ng m

RT: 8.30 min Scan# 587

Delta R.T. 0.00 min

Lab File: BF089344.D

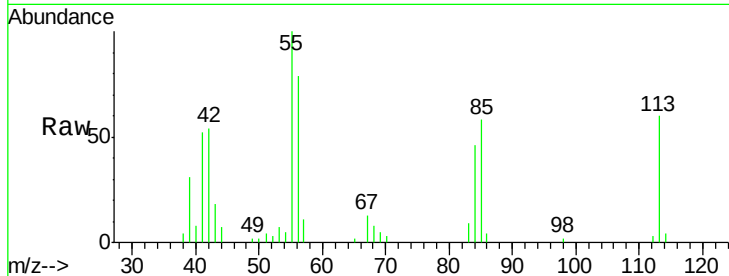
Acq: 28 Jul 2016 4:03

Instrument :

BNA_F

ClientSampleId :

SB-38-14.0-15.0MS



Tgt Ion:113 Resp: 36991

Ion Ratio Lower Upper

113 100

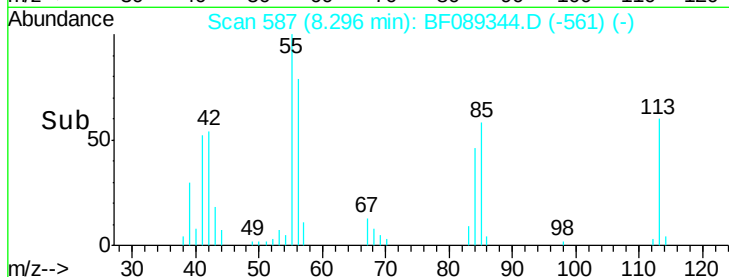
55 165.7 142.3 182.3

56 130.3 105.8 145.8

Manual Integrations

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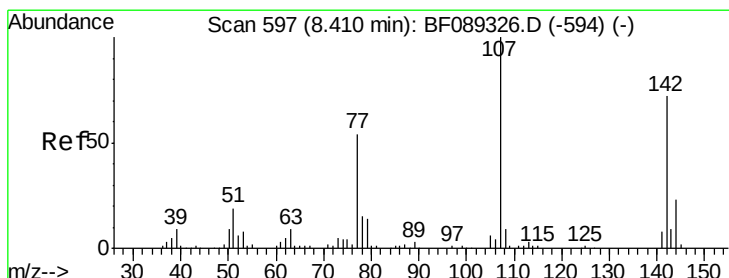
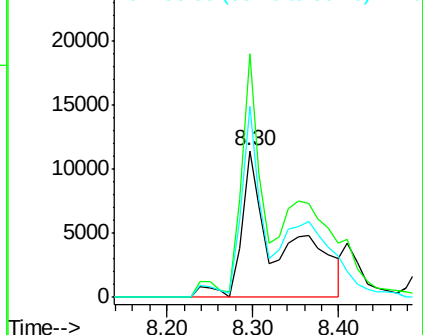
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 48.11 ng

RT: 8.41 min Scan# 597

Delta R.T. 0.00 min

Lab File: BF089344.D

Acq: 28 Jul 2016 4:03

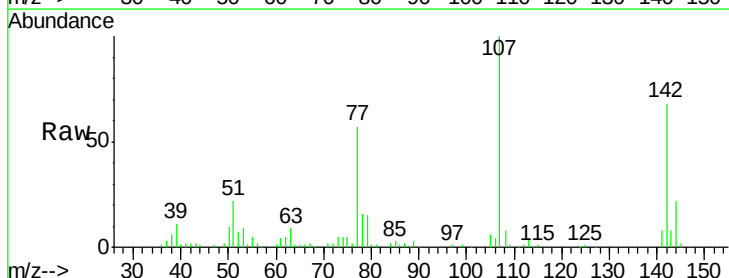
Tgt Ion:107 Resp: 148071

Ion Ratio Lower Upper

107 100

144 21.8 18.4 27.6

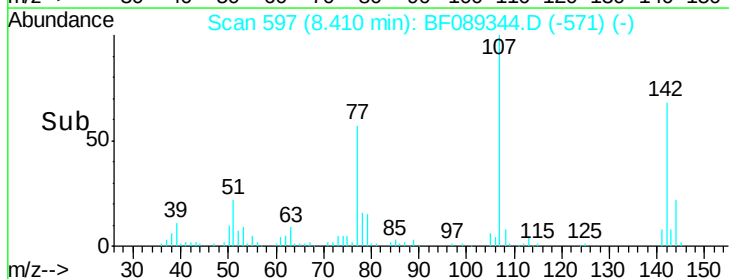
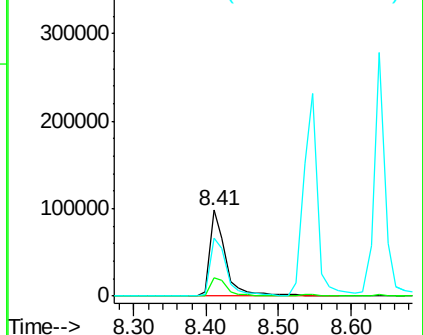
142 67.8 58.6 87.8

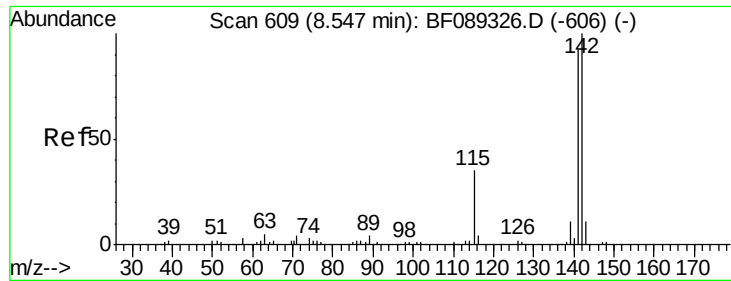


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





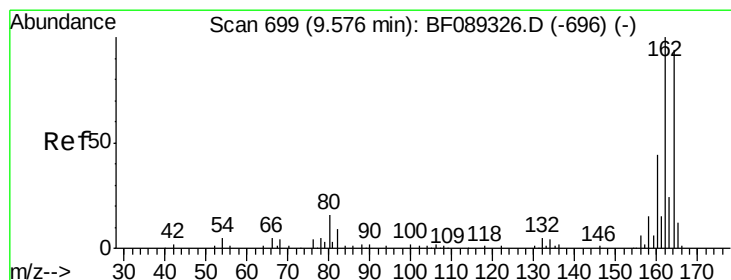
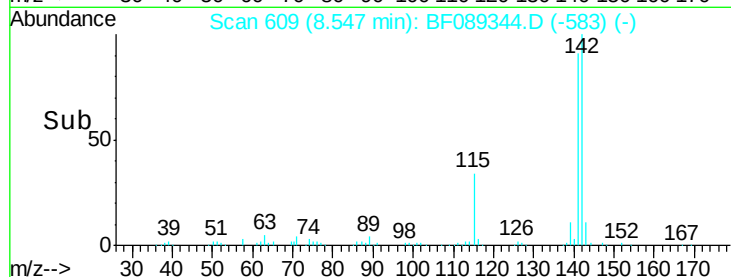
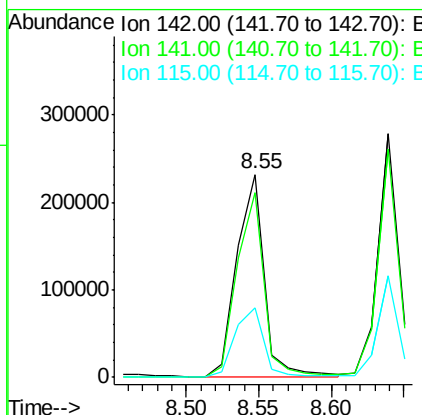
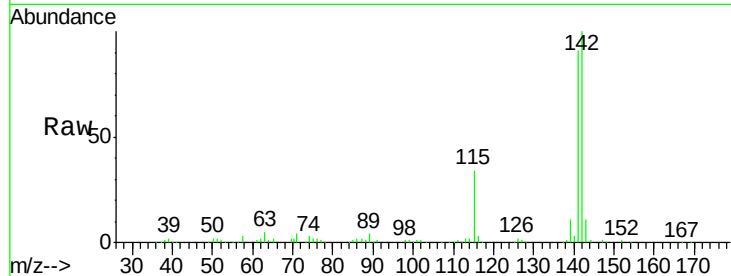
#37
 2-Methylnaphthalene
 Concen: 49.55 ng
 RT: 8.55 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: BF089344.D
 Acq: 28 Jul 2016 4:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-38-14.0-15.0MS

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.0	70.9	106.3
115	34.1	27.6	41.4

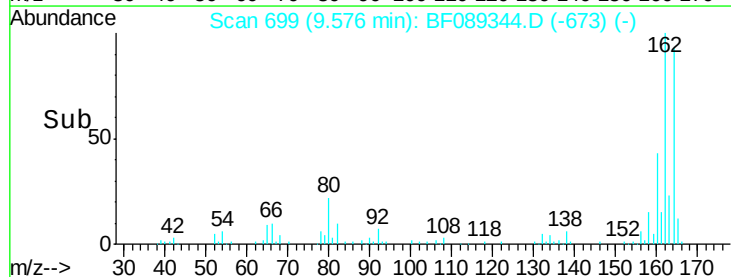
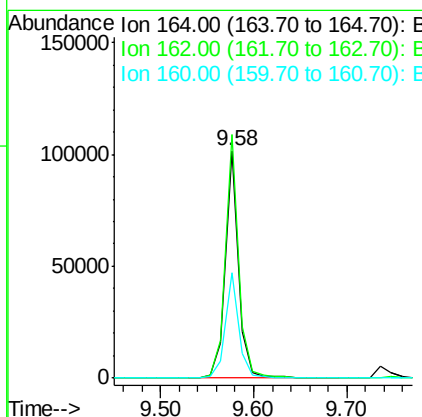
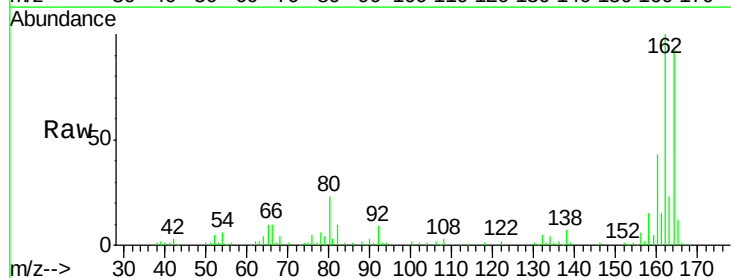
Manual Integrations

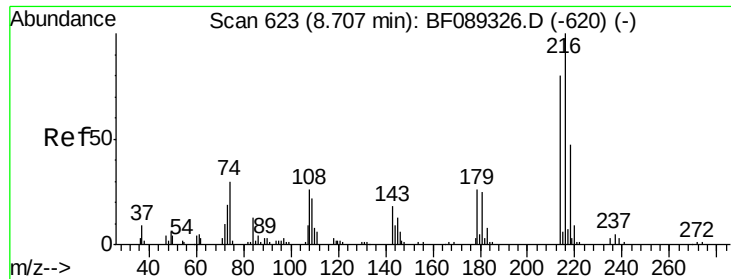
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 699
 Delta R.T. 0.00 min
 Lab File: BF089344.D
 Acq: 28 Jul 2016 4:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.1	83.7	125.5
160	46.3	37.8	56.6





#39

1,2,4,5-Tetrachlorobenzene

Concen: 31.94 ng

RT: 8.71 min Scan# 623

Delta R.T. 0.00 min

Lab File: BF089344.D

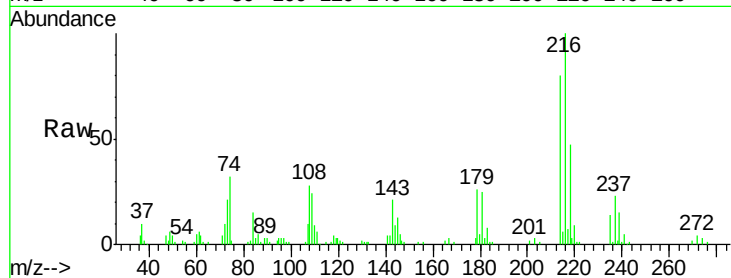
Acq: 28 Jul 2016 4:03

Instrument :

BNA_F

ClientSampleId :

SB-38-14.0-15.0MS

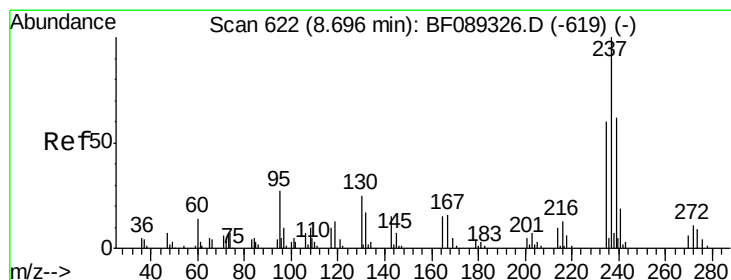
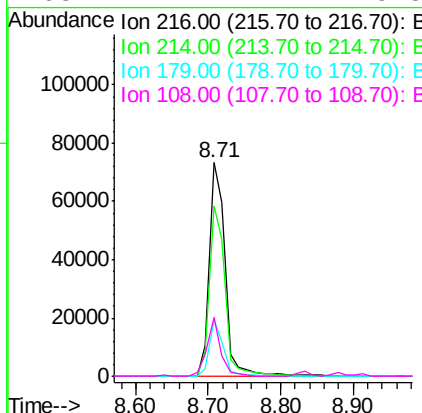
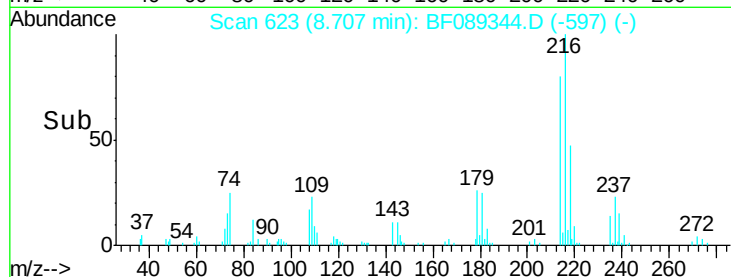


Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.3	94.9
179	22.9	18.1	27.1
108	24.1	17.2	25.8

Manual Integrations

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#40

Hexachlorocyclopentadiene

Concen: 96.29 ng

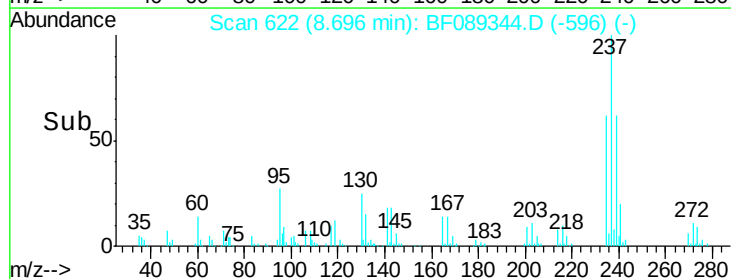
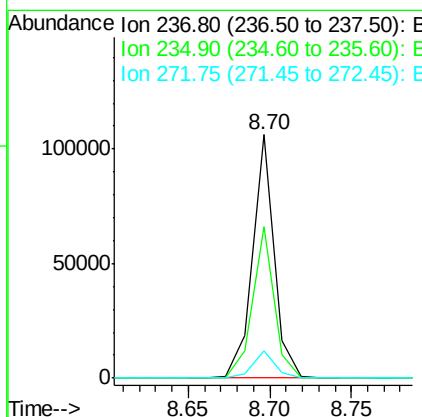
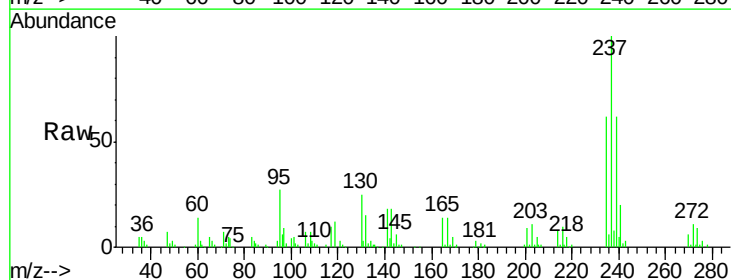
RT: 8.70 min Scan# 622

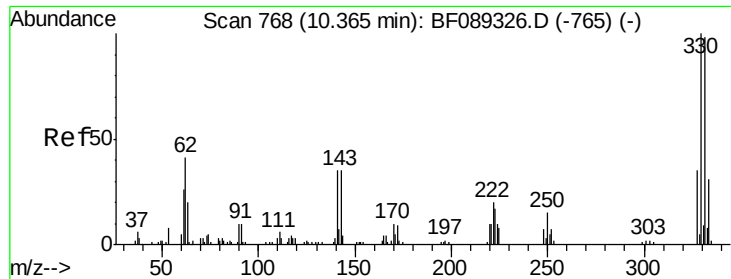
Delta R.T. 0.00 min

Lab File: BF089344.D

Acq: 28 Jul 2016 4:03

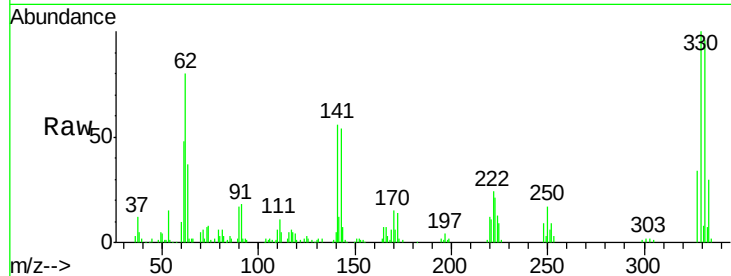
Tgt Ion	Ratio	Lower	Upper
237	100		
235	62.0	41.6	81.6
272	11.1	0.0	30.8





#41
 2,4,6-Tribromophenol
 Concen: 124.14 ng
 RT: 10.36 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: BF089344.D
 Acq: 28 Jul 2016 4:03

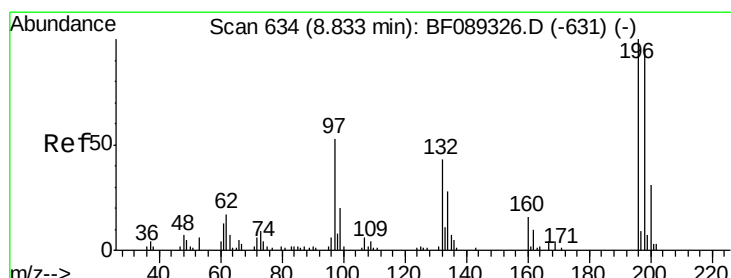
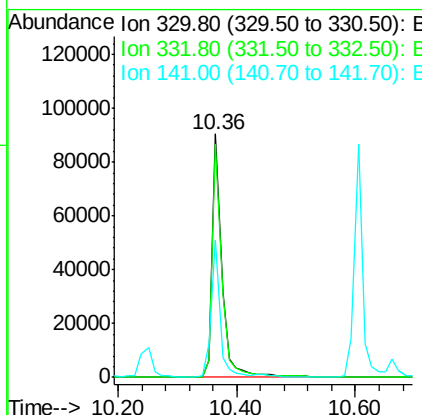
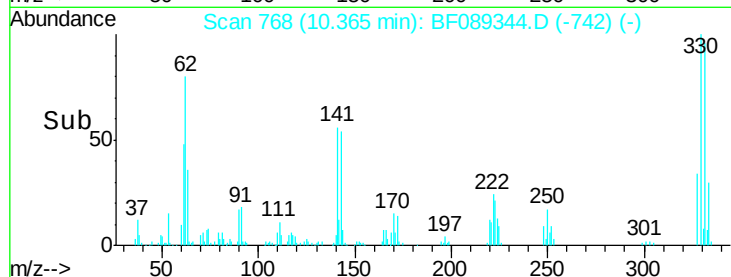
Instrument :
 BNA_F
 ClientSampleId :
 SB-38-14.0-15.0MS



Tgt Ion	Ratio	Resp	Lower	Upper
330	100	102690		
332	95.9	76.8	115.2	
141	55.1	37.3	55.9	

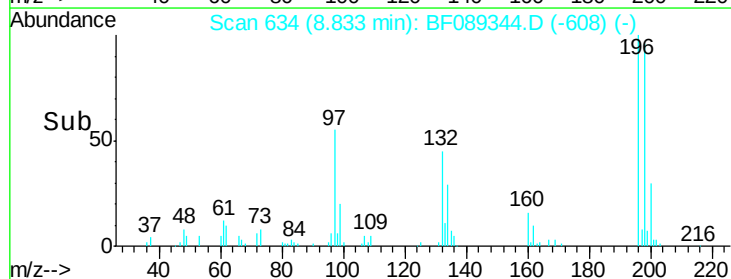
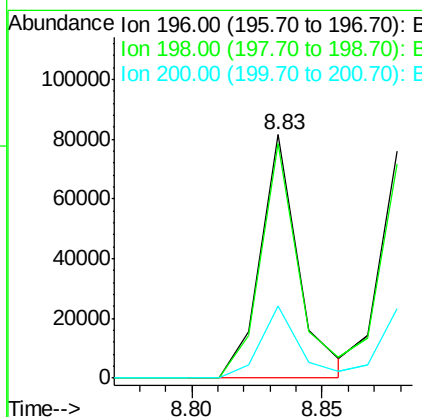
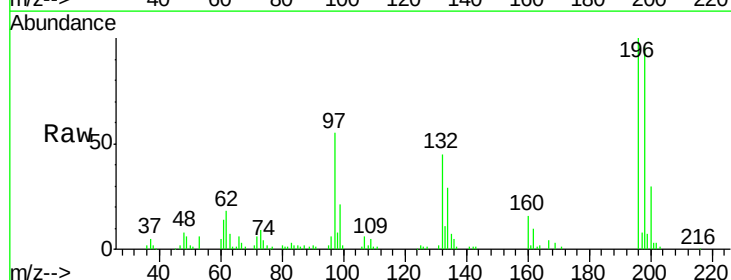
Manual Integrations

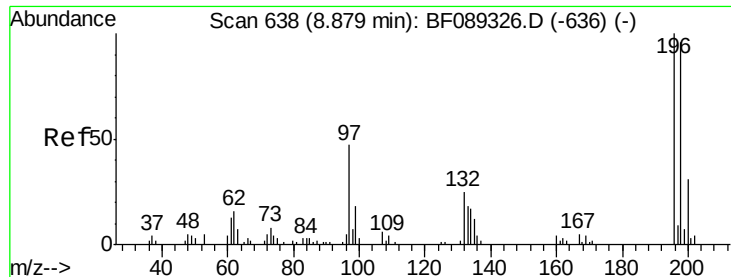
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#42
 2,4,6-Trichlorophenol
 Concen: 49.30 ng
 RT: 8.83 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: BF089344.D
 Acq: 28 Jul 2016 4:03

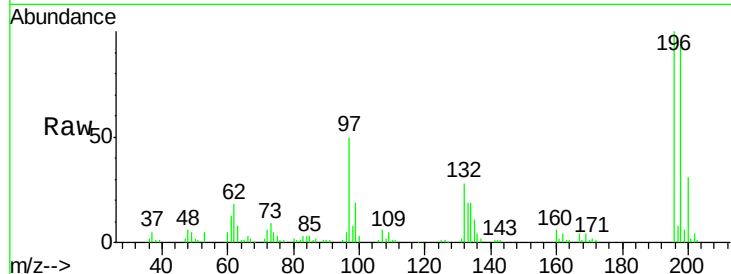
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	81922		
198	96.5	75.5	113.3	
200	29.7	23.9	35.9	





#43
 2,4,5-Trichlorophenol
 Concen: 46.49 ng
 RT: 8.88 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: BF089344.D
 Acq: 28 Jul 2016 4:03

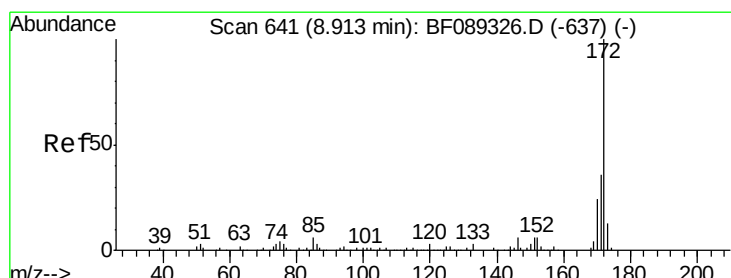
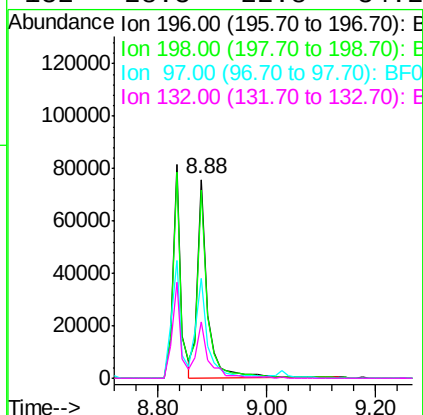
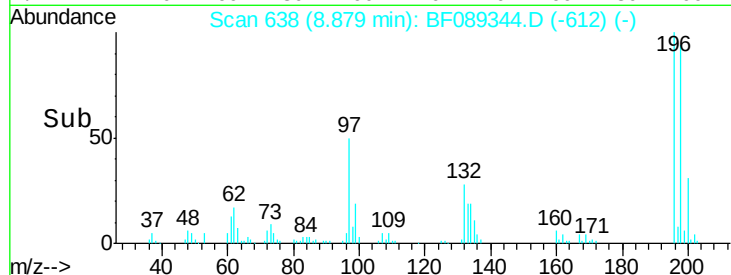
Instrument :
 BNA_F
 ClientSampleId :
 SB-38-14.0-15.0MS



Tgt Ion	Ratio	Resp	Lower	Upper
196	100	97863		
198	94.4	78.7	118.1	
97	50.1	39.7	59.5	
132	28.3	22.8	34.2	

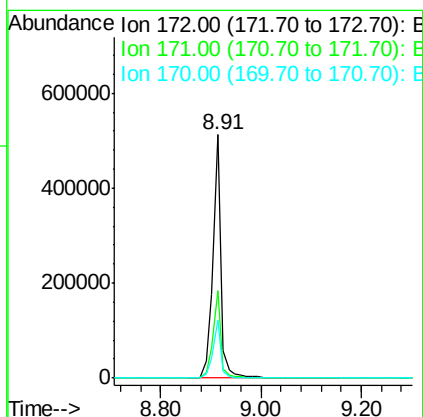
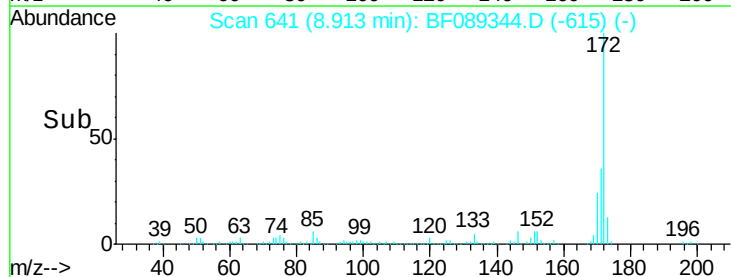
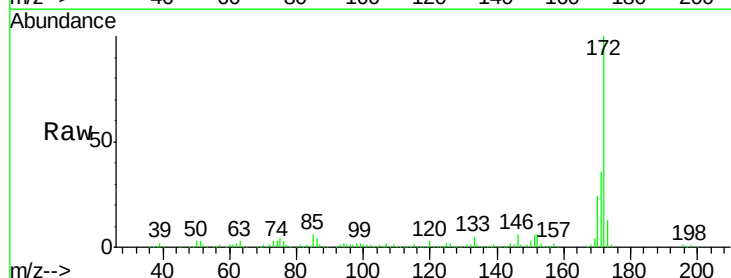
Manual Integrations

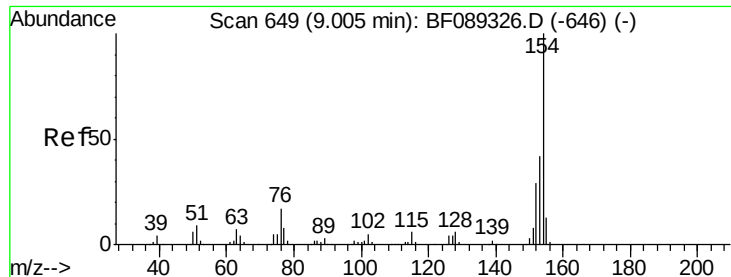
sohil
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#44
 2-Fluorobiphenyl
 Concen: 84.07 ng
 RT: 8.91 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: BF089344.D
 Acq: 28 Jul 2016 4:03

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	572196		
171	36.0	29.2	43.8	
170	23.7	19.2	28.8	





#45

1,1'-Biphenyl

Concen: 37.81 ng

RT: 9.00 min Scan# 649

Delta R.T. 0.00 min

Lab File: BF089344.D

Acq: 28 Jul 2016 4:03

Instrument :

BNA_F

ClientSampleId :

SB-38-14.0-15.0MS

Tgt Ion:154 Resp: 321566

Ion Ratio Lower Upper

154 100

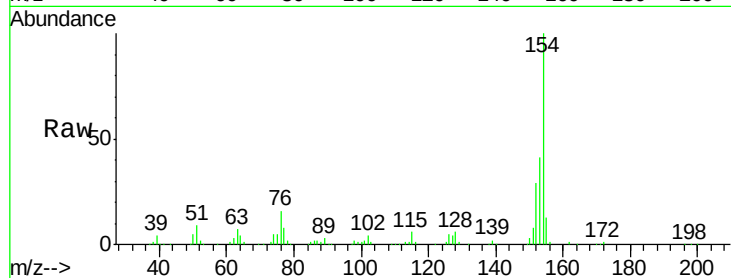
153 41.0 21.0 61.0

76 16.4 0.0 36.6

Manual Integrations

sohil

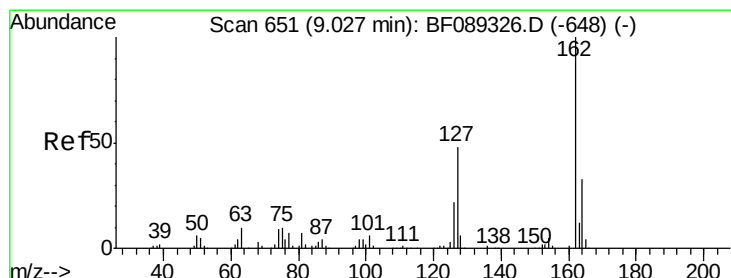
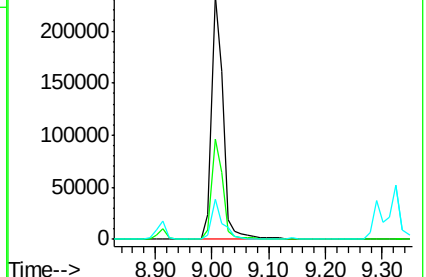
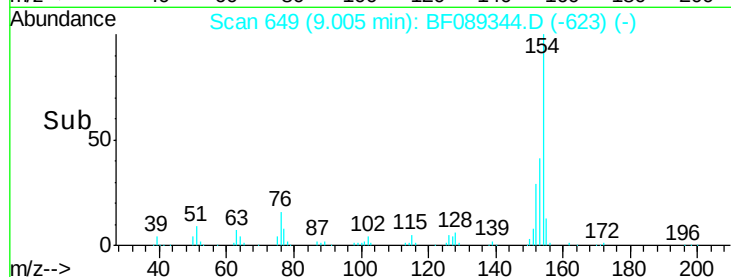
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 45.54 ng

RT: 9.03 min Scan# 651

Delta R.T. 0.00 min

Lab File: BF089344.D

Acq: 28 Jul 2016 4:03

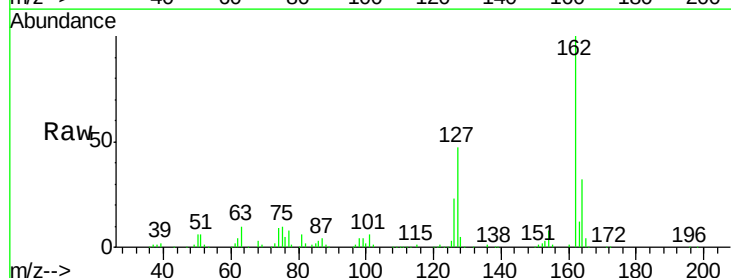
Tgt Ion:162 Resp: 290820

Ion Ratio Lower Upper

162 100

127 47.4 37.8 56.8

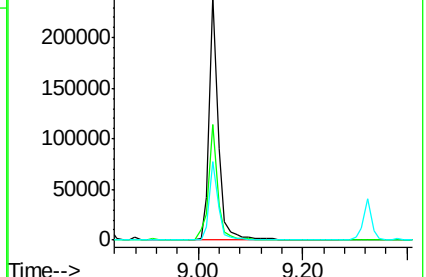
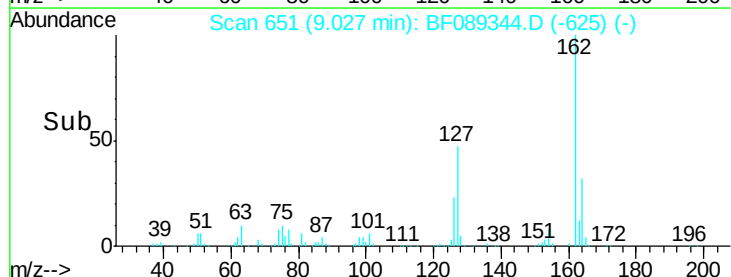
164 32.0 25.8 38.8

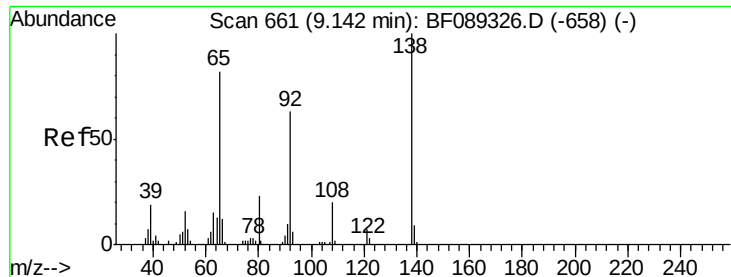


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





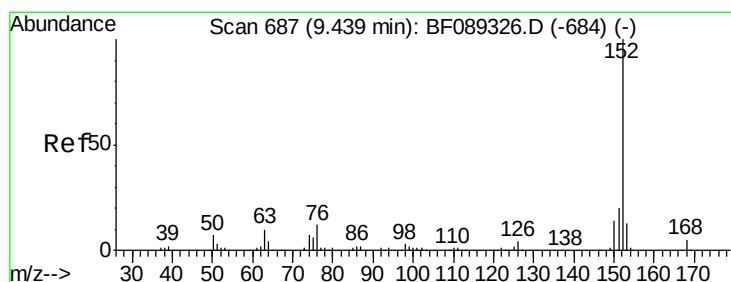
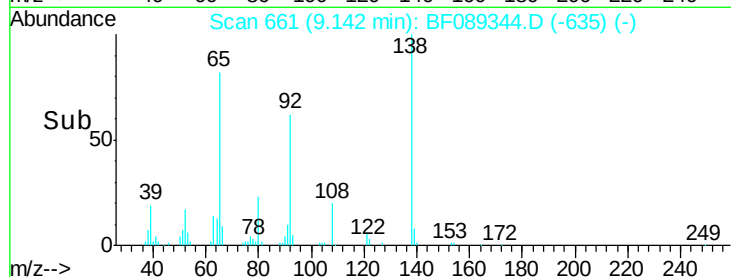
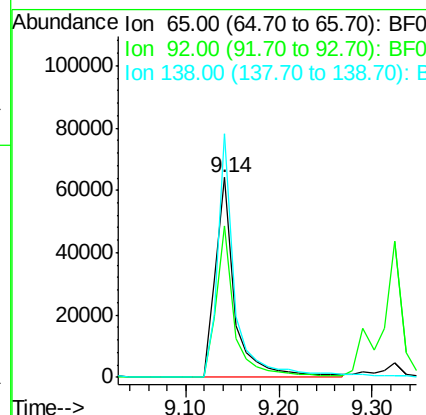
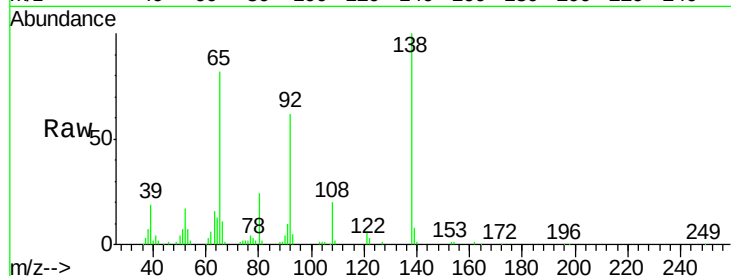
#47
2-Nitroaniline
Concen: 49.82 ng
RT: 9.14 min Scan# 661
Delta R.T. 0.00 min
Lab File: BF089344.D
Acq: 28 Jul 2016 4:03

Instrument :
BNA_F
ClientSampleId :
SB-38-14.0-15.0MS

Tgt Ion	Ratio	Lower	Upper
65	100		
92	75.9	61.0	91.4
138	122.1	99.1	148.7

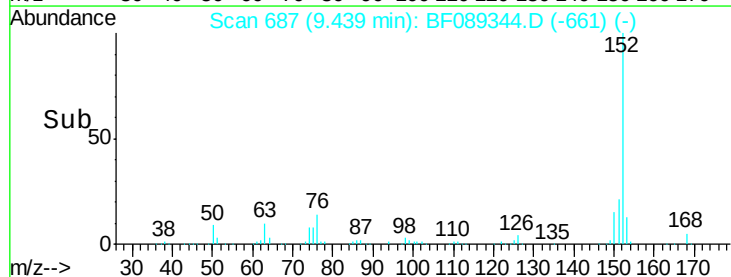
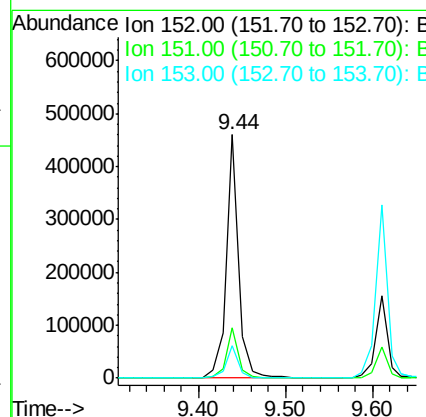
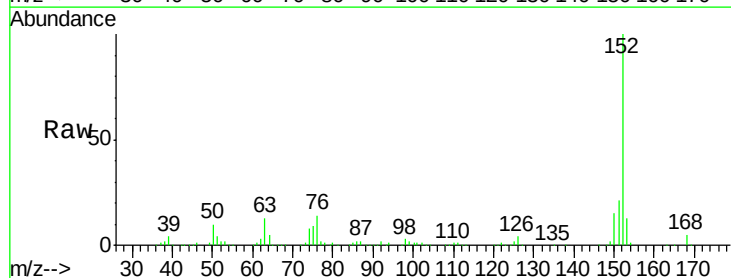
Manual Integrations

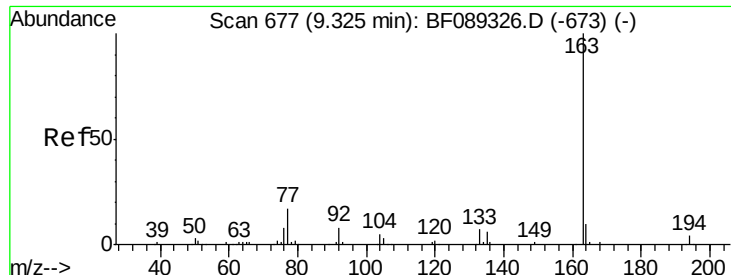
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#48
Acenaphthylene
Concen: 45.65 ng
RT: 9.44 min Scan# 687
Delta R.T. 0.00 min
Lab File: BF089344.D
Acq: 28 Jul 2016 4:03

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.2
153	13.4	10.2	15.4





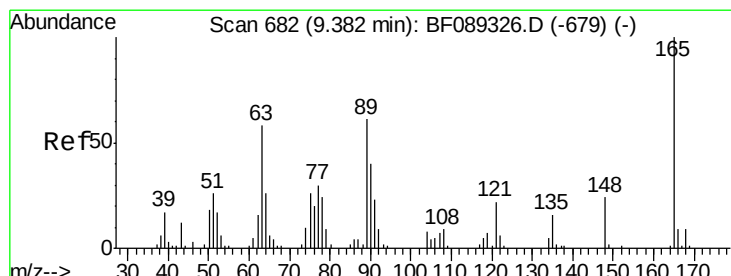
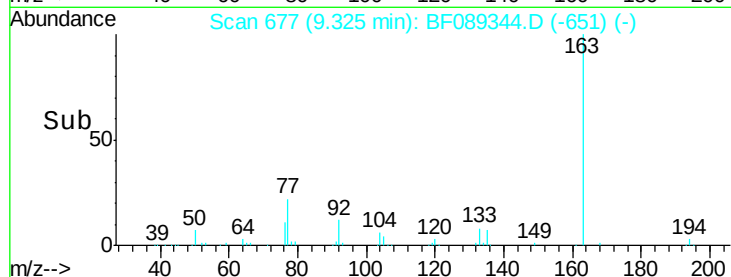
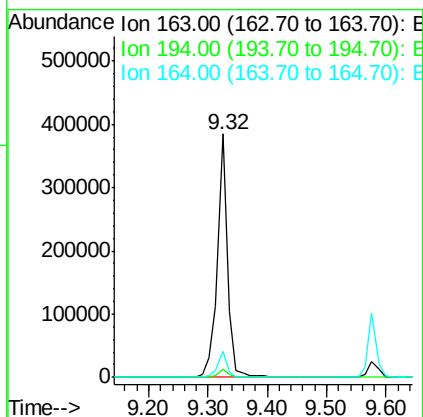
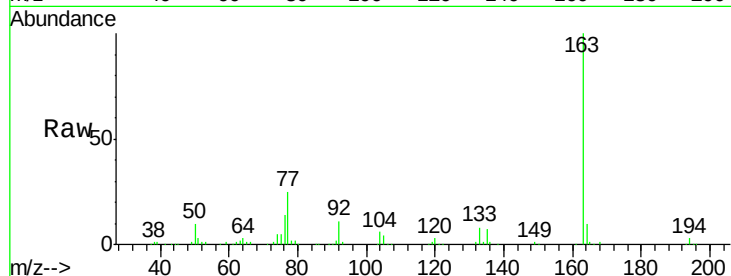
#49
Dimethylphthalate
Concen: 60.00 ng
RT: 9.32 min Scan# 677
Delta R.T. 0.00 min
Lab File: BF089344.D
Acq: 28 Jul 2016 4:03

Instrument :
BNA_F
ClientSampleId :
SB-38-14.0-15.0MS

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	456064		
194	3.2		2.8	4.2
164	10.5		7.8	11.8

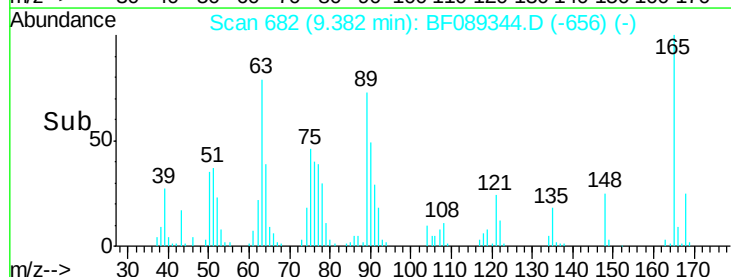
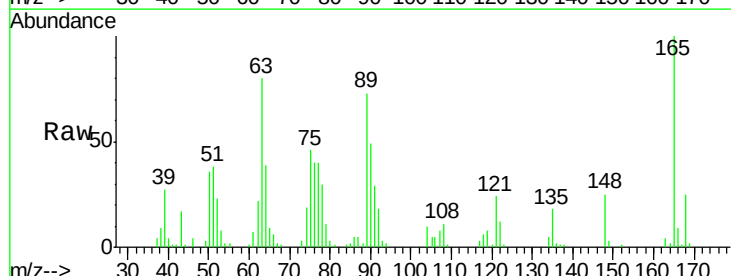
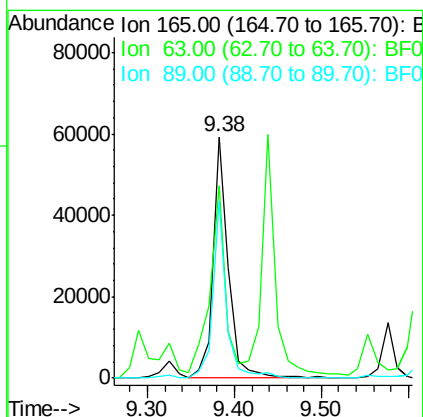
Manual Integrations

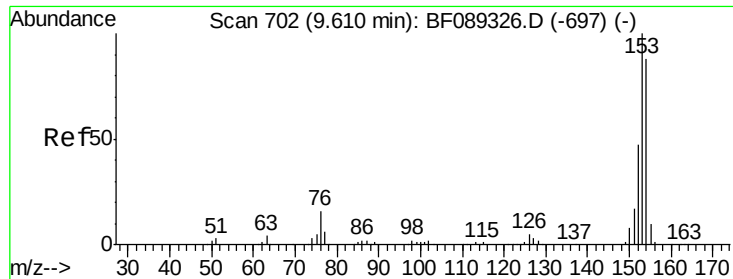
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7/28/2016 5:03:22 PM



#50
2,6-Dinitrotoluene
Concen: 46.95 ng
RT: 9.38 min Scan# 682
Delta R.T. 0.00 min
Lab File: BF089344.D
Acq: 28 Jul 2016 4:03

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	73324		
63	79.7		43.5	65.3#
89	73.2		45.0	67.4#





#51

Acenaphthene

Concen: 46.27 ng

RT: 9.61 min Scan# 702

Delta R.T. 0.00 min

Lab File: BF089344.D

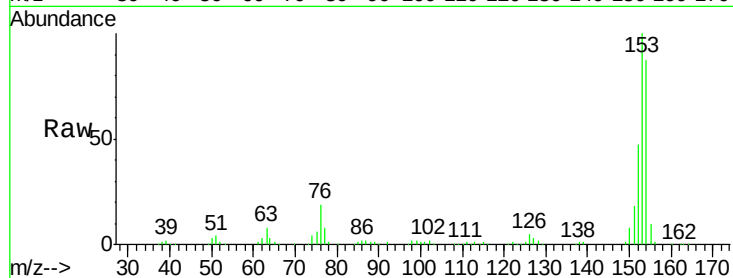
Acq: 28 Jul 2016 4:03

Instrument :

BNA_F

ClientSampleId :

SB-38-14.0-15.0MS



Tgt Ion:154 Resp: 271844

Ion Ratio Lower Upper

154 100

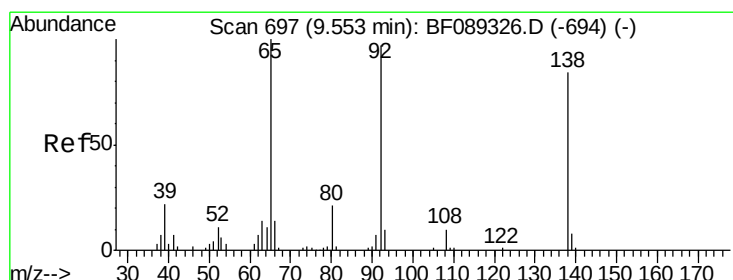
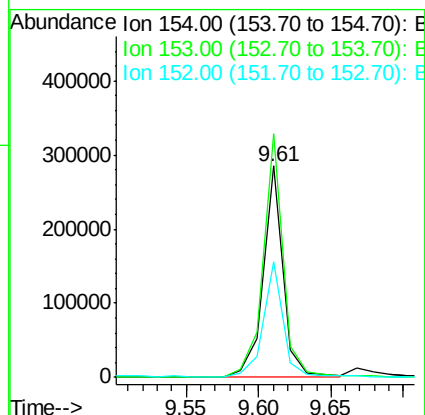
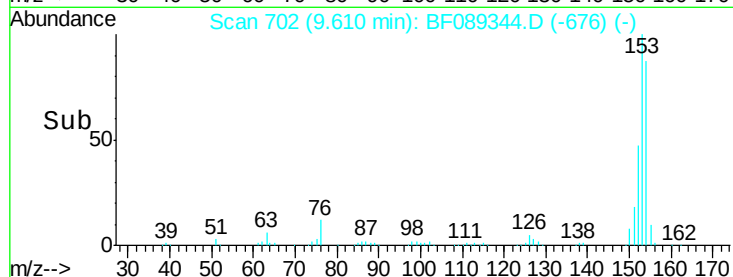
153 115.3 91.4 137.2

152 54.6 43.8 65.6

Manual Integrations

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7/28/2016 5:03:22 PM



#52

3-Nitroaniline

Concen: 43.29 ng

RT: 9.55 min Scan# 697

Delta R.T. 0.00 min

Lab File: BF089344.D

Acq: 28 Jul 2016 4:03

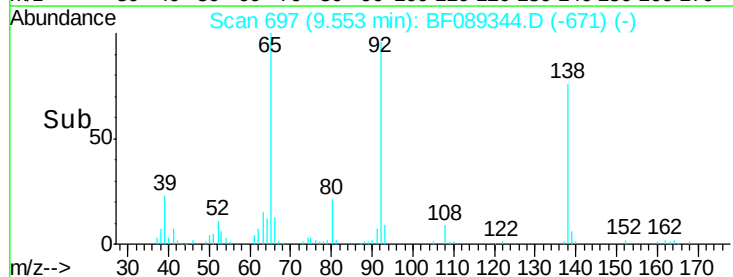
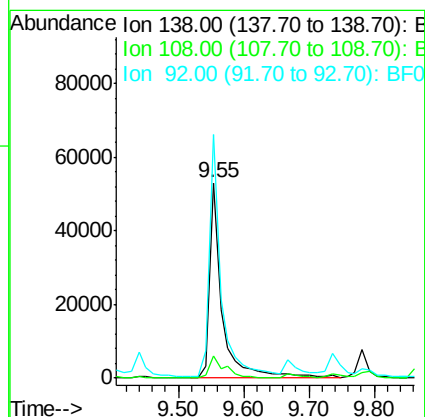
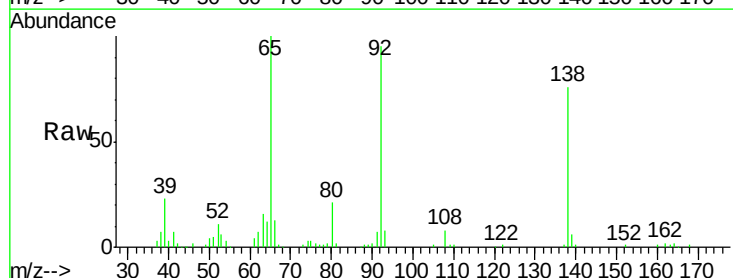
Tgt Ion:138 Resp: 71360

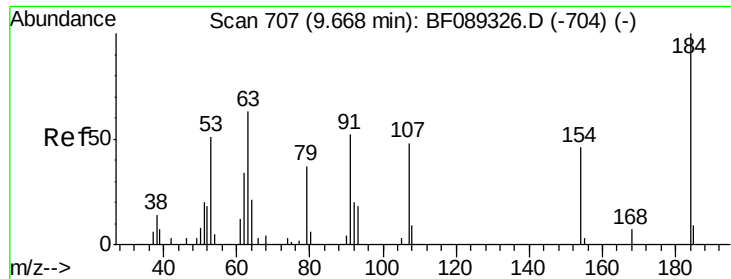
Ion Ratio Lower Upper

138 100

108 11.1 8.6 13.0

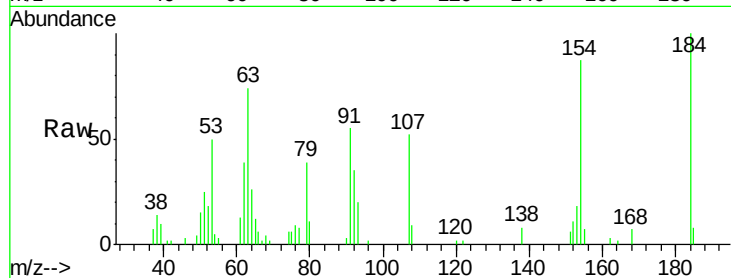
92 124.7 90.0 135.0





#53
 2,4-Dinitrophenol
 Concen: 42.81 ng
 RT: 9.67 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: BF089344.D
 Acq: 28 Jul 2016 4:03

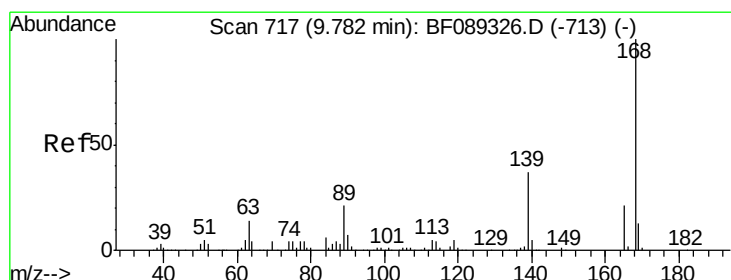
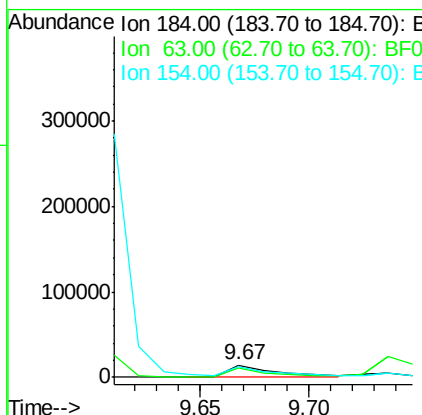
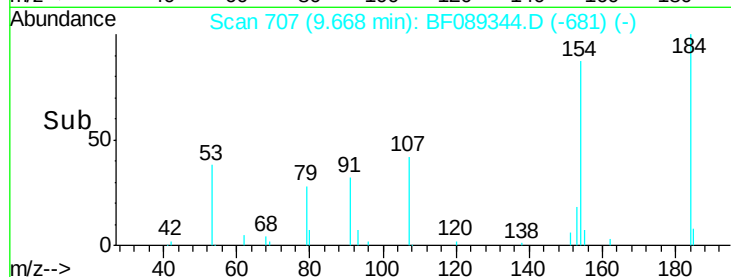
Instrument :
 BNA_F
 ClientSampleId :
 SB-38-14.0-15.0MS



Tgt Ion	Ratio	Lower	Upper
184	100		
63	73.8	60.6	90.8
154	86.6	69.8	104.8

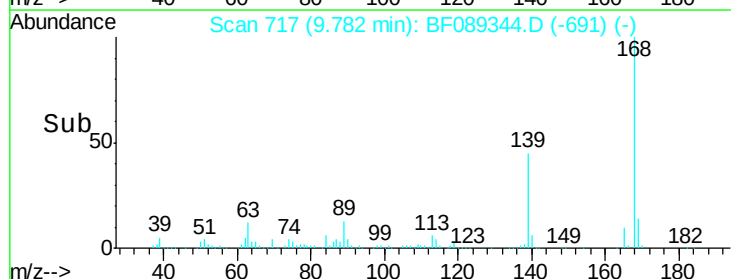
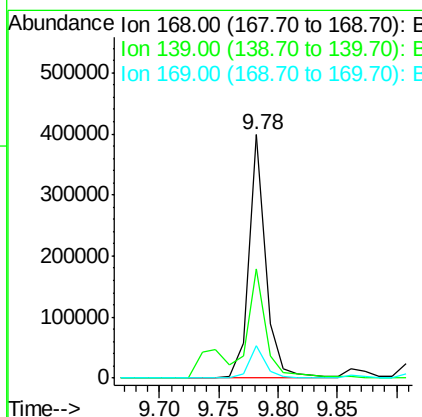
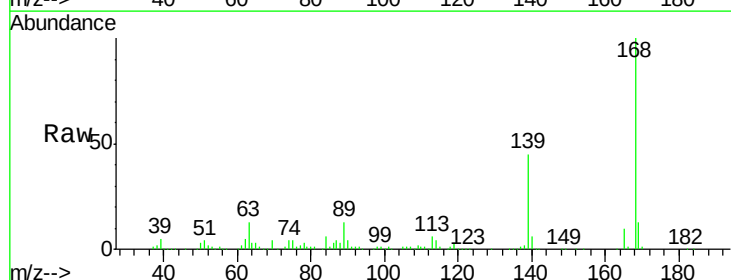
Manual Integrations

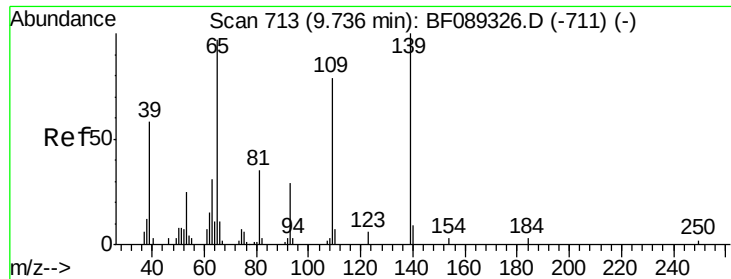
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 7/28/2016 5:03:22 PM



#54
 Dibenzofuran
 Concen: 49.83 ng
 RT: 9.78 min Scan# 717
 Delta R.T. 0.00 min
 Lab File: BF089344.D
 Acq: 28 Jul 2016 4:03

Tgt Ion	Ratio	Lower	Upper
168	100		
139	44.7	33.7	50.5
169	13.5	10.7	16.1





#55

4-Nitrophenol

Concen: 92.87 ng m

RT: 9.75 min Scan# 714

Delta R.T. 0.01 min

Lab File: BF089344.D

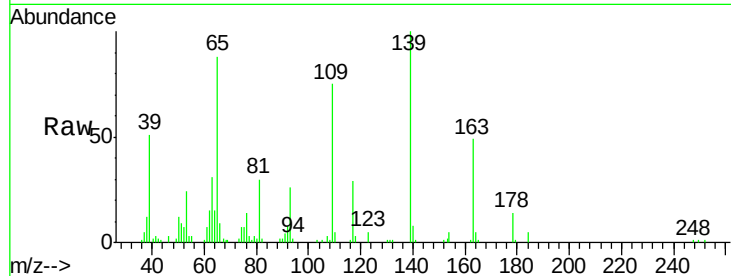
Acq: 28 Jul 2016 4:03

Instrument :

BNA_F

ClientSampleId :

SB-38-14.0-15.0MS



Tgt Ion:139 Resp: 75418

Ion Ratio Lower Upper

139 100

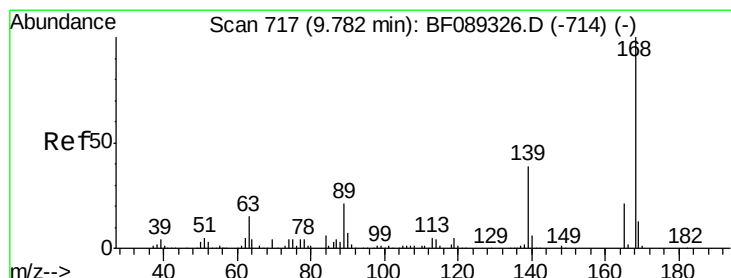
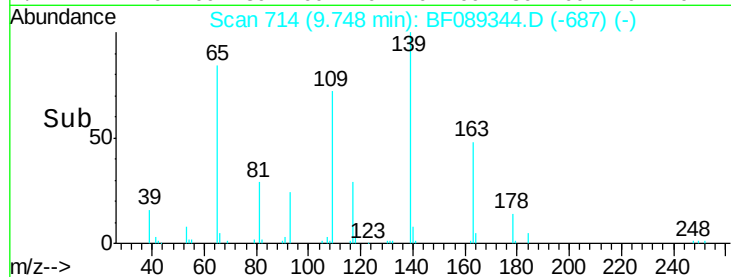
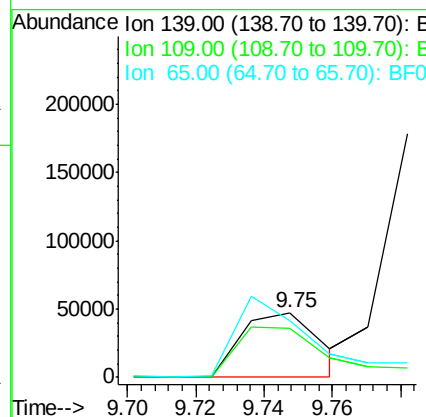
109 75.2 57.8 97.8

65 88.3 81.7 121.7

Manual Integrations

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7/28/2016 5:03:22 PM



#56

2,4-Dinitrotoluene

Concen: 50.28 ng

RT: 9.79 min Scan# 718

Delta R.T. 0.01 min

Lab File: BF089344.D

Acq: 28 Jul 2016 4:03

Tgt Ion:165 Resp: 103375

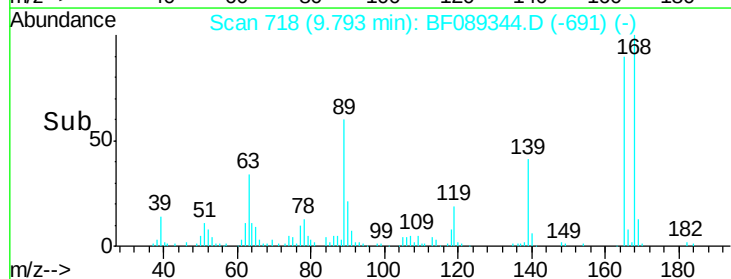
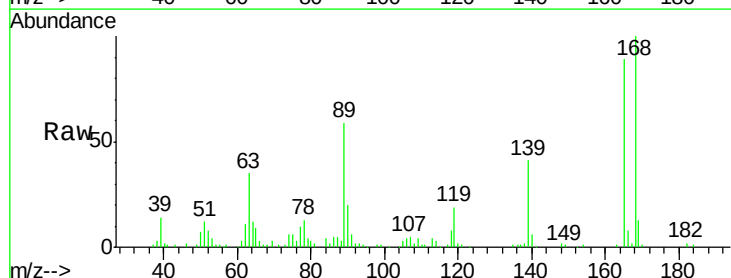
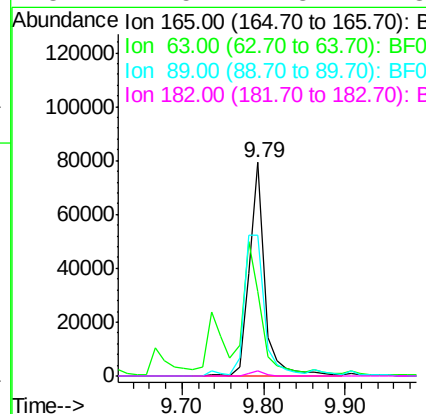
Ion Ratio Lower Upper

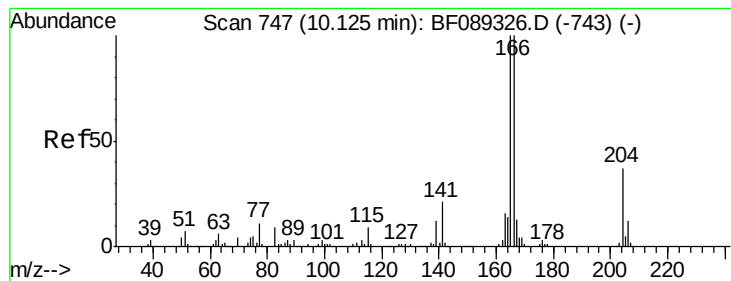
165 100

63 39.5 58.2 87.2#

89 66.2 79.1 118.7#

182 2.5 1.8 2.8





#57

Fluorene

Concen: 47.73 ng

RT: 10.12 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF089344.D

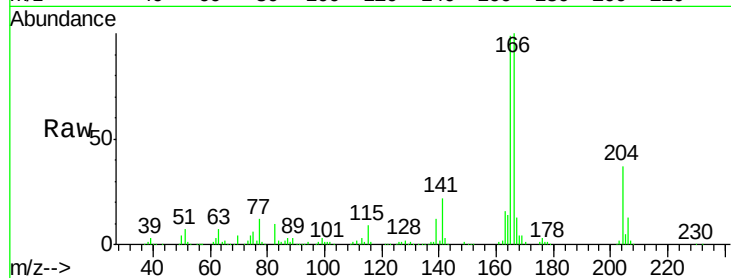
Acq: 28 Jul 2016 4:03

Instrument :

BNA_F

ClientSampleId :

SB-38-14.0-15.0MS



Tgt Ion:166 Resp: 333508

Ion Ratio Lower Upper

166 100

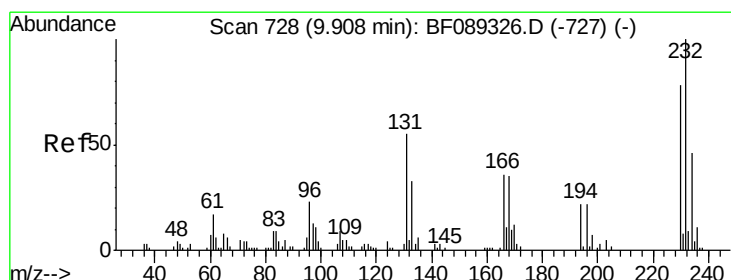
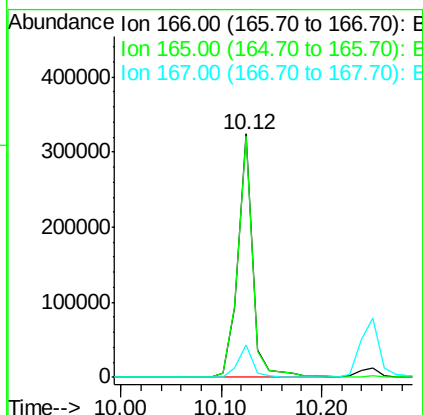
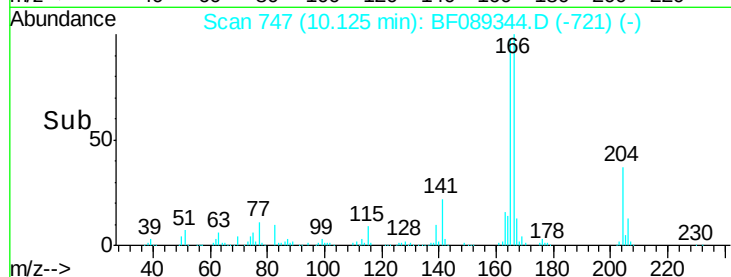
165 98.9 79.0 118.4

167 13.4 10.2 15.2

Manual Integrations

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7/28/2016 5:03:22 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 53.76 ng

RT: 9.91 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF089344.D

Acq: 28 Jul 2016 4:03

Tgt Ion:232 Resp: 75555

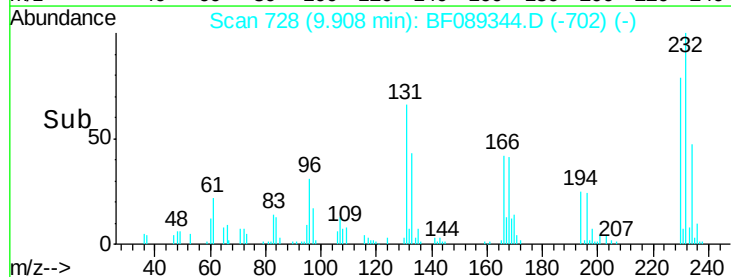
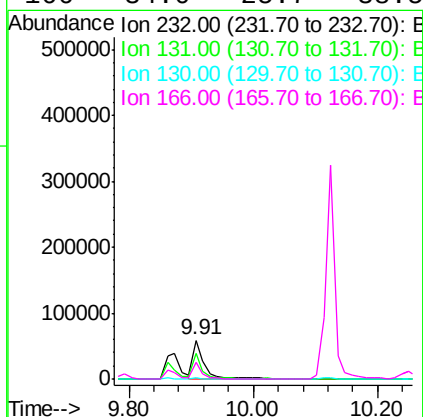
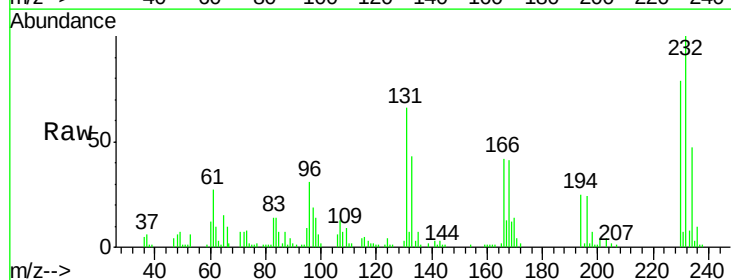
Ion Ratio Lower Upper

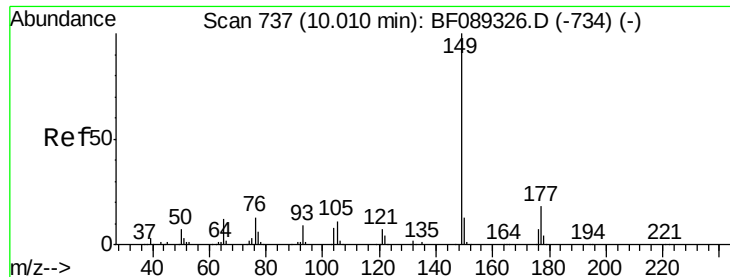
232 100

131 51.0 42.7 64.1

130 2.4 1.7 2.5

166 34.0 25.7 38.5





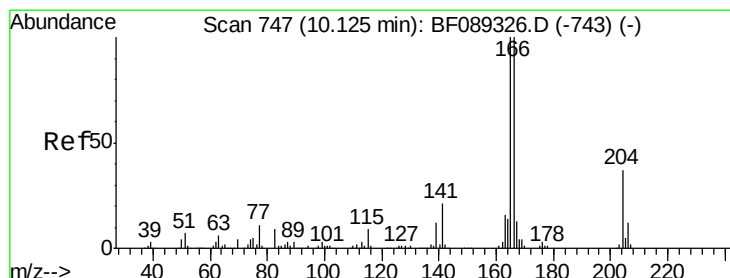
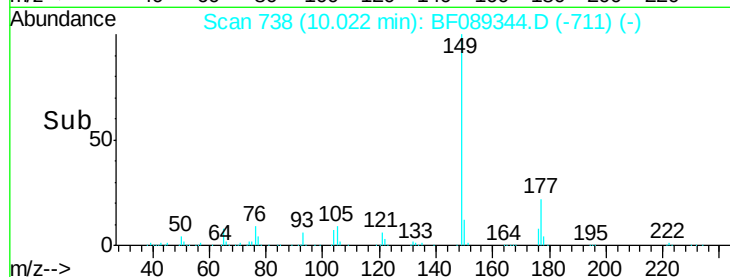
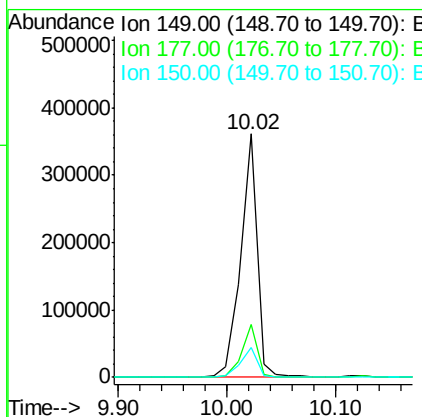
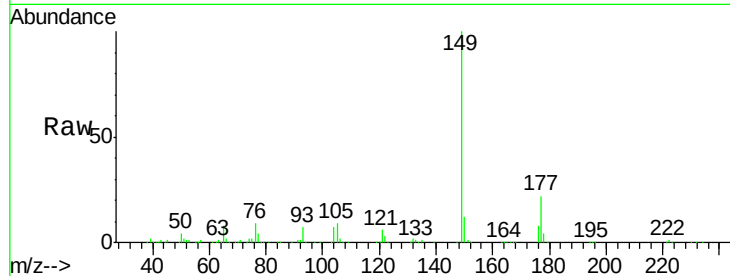
#59
Diethylphthalate
Concen: 48.87 ng
RT: 10.02 min Scan# 738
Delta R.T. 0.01 min
Lab File: BF089344.D
Acq: 28 Jul 2016 4:03

Instrument :
BNA_F
ClientSampleId :
SB-38-14.0-15.0MS

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.7	15.1	22.7
150	12.0	10.2	15.4

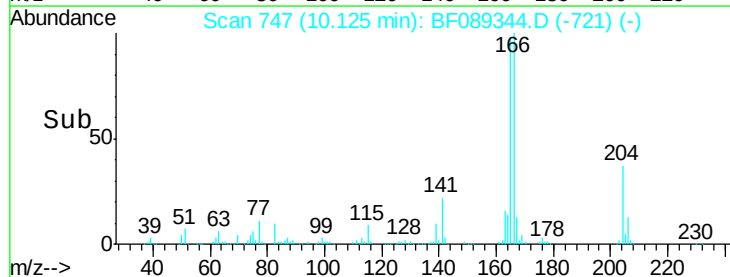
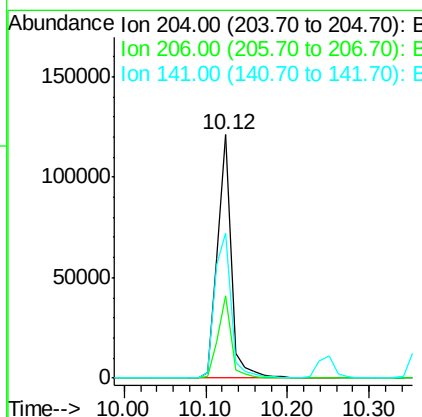
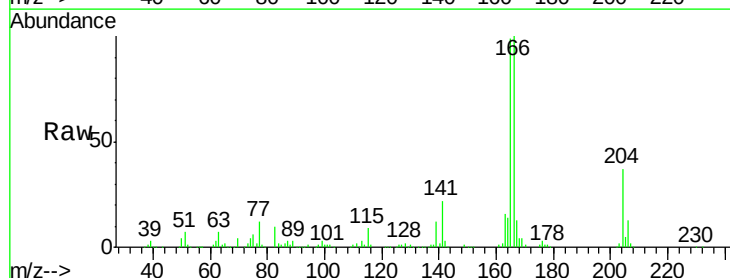
Manual Integrations

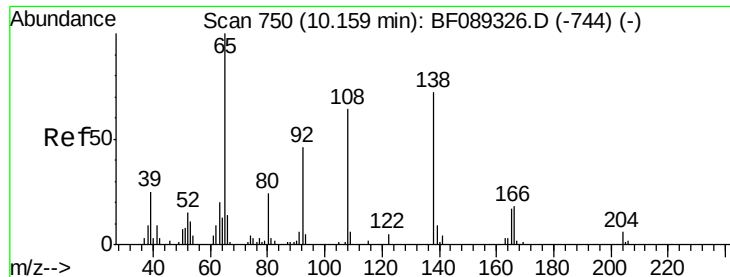
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7/28/2016 5:03:22 PM



#60
4-Chlorophenyl-phenylether
Concen: 44.66 ng
RT: 10.12 min Scan# 747
Delta R.T. 0.00 min
Lab File: BF089344.D
Acq: 28 Jul 2016 4:03

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.7	26.6	39.8
141	59.4	46.6	70.0





#61

4-Nitroaniline

Concen: 46.32 ng

RT: 10.17 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF089344.D

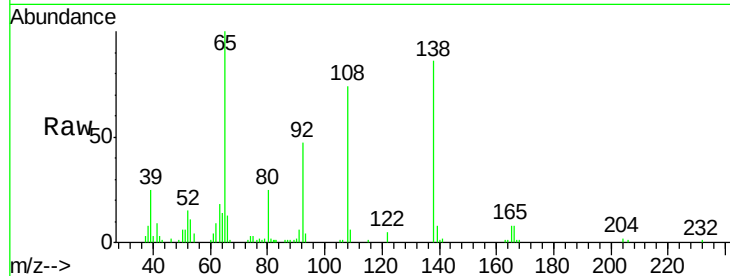
Acq: 28 Jul 2016 4:03

Instrument :

BNA_F

ClientSampleId :

SB-38-14.0-15.0MS

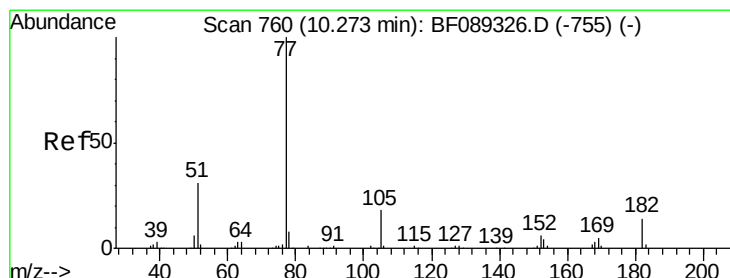
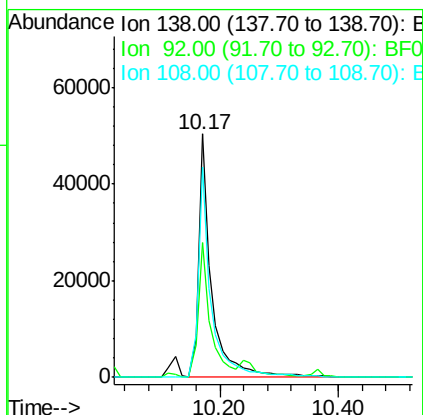
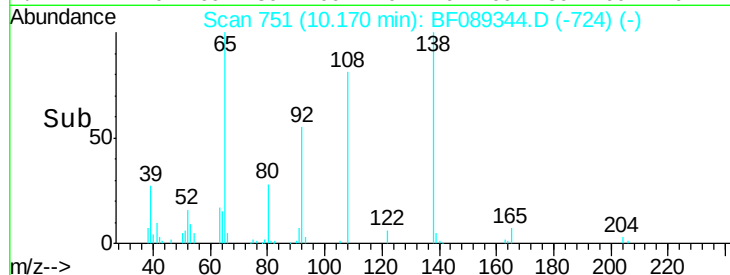


Tgt Ion:	138	Resp:	78704
Ion	Ratio	Lower	Upper
138	100		
92	55.4	41.2	81.2
108	86.5	69.6	109.6

Manual Integrations

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7/28/2016 5:03:22 PM



#62

Azobenzene

Concen: 48.57 ng

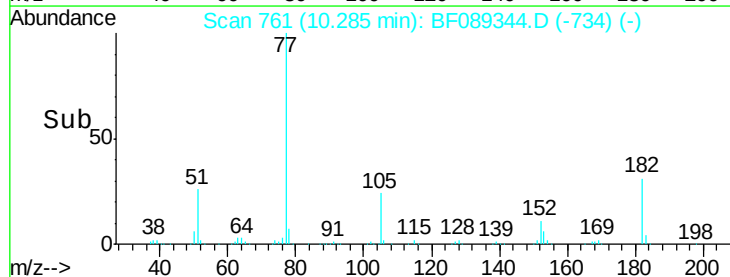
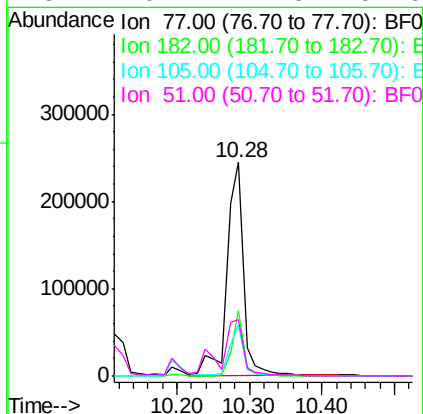
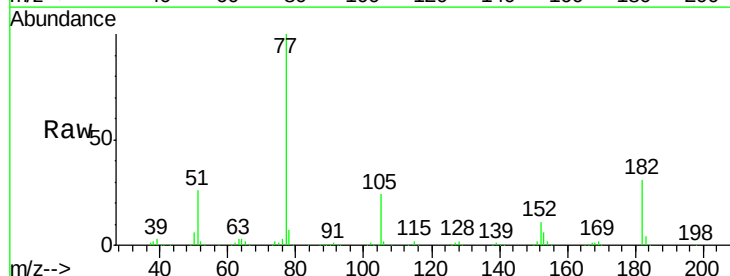
RT: 10.28 min Scan# 761

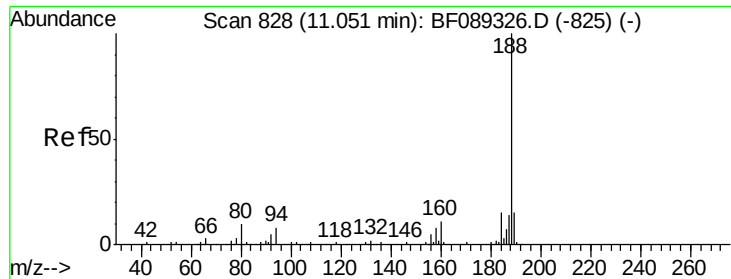
Delta R.T. 0.01 min

Lab File: BF089344.D

Acq: 28 Jul 2016 4:03

Tgt Ion:	77	Resp:	385500
Ion	Ratio	Lower	Upper
77	100		
182	30.5	0.0	33.8
105	23.9	0.0	39.8
51	26.1	11.0	51.0





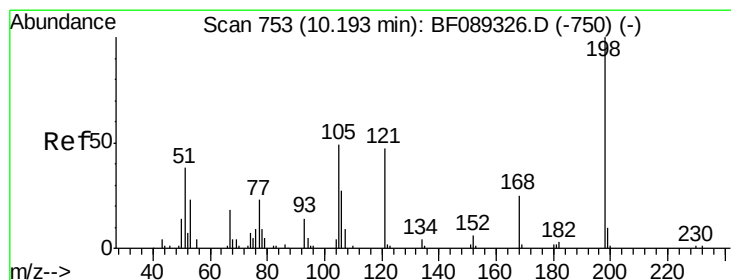
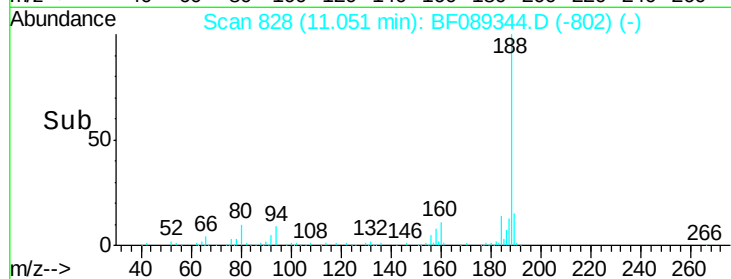
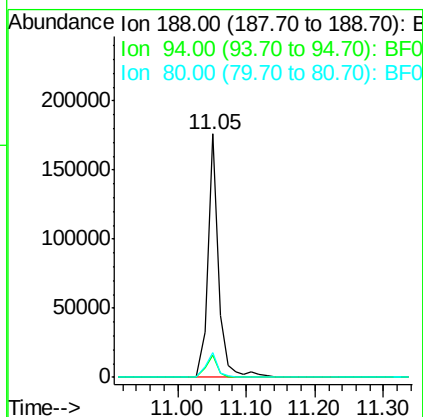
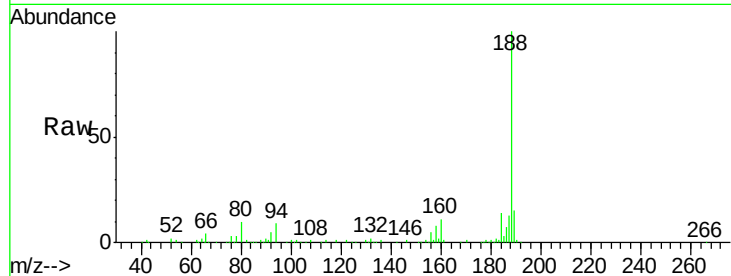
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 828
Delta R.T. 0.00 min
Lab File: BF089344.D
Acq: 28 Jul 2016 4:03

Instrument :
BNA_F
ClientSampleId :
SB-38-14.0-15.0MS

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	191263		
94	9.2	6.5	9.7	
80	10.2	7.2	10.8	

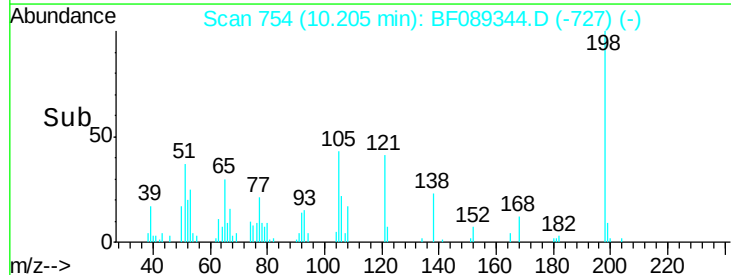
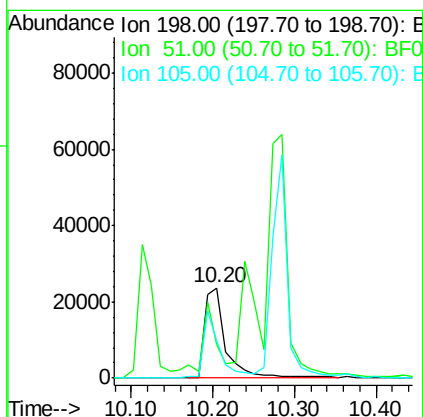
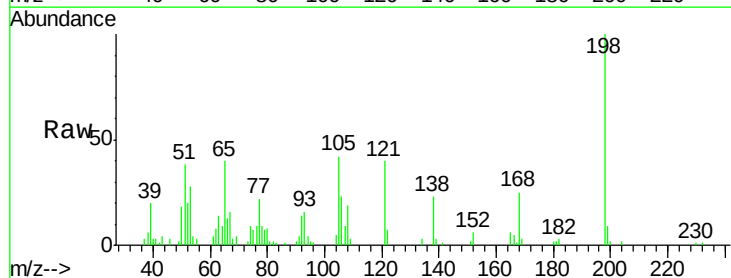
Manual Integrations

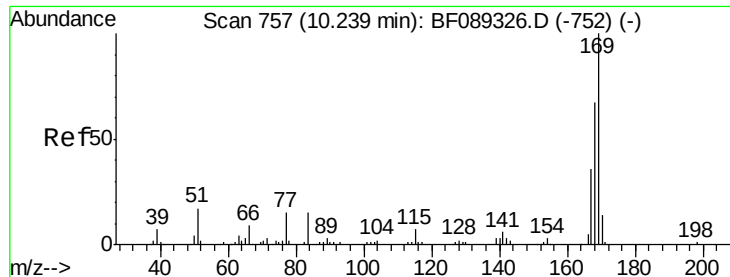
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#64
4,6-Dinitro-2-methylphenol
Concen: 38.64 ng
RT: 10.20 min Scan# 754
Delta R.T. 0.01 min
Lab File: BF089344.D
Acq: 28 Jul 2016 4:03

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	43534		
51	37.7	23.0	63.0	
105	41.7	28.3	68.3	





#65

n-Nitrosodiphenylamine

Concen: 47.99 ng

RT: 10.25 min Scan# 758

Delta R.T. 0.01 min

Lab File: BF089344.D

Acq: 28 Jul 2016 4:03

Instrument :

BNA_F

ClientSampleId :

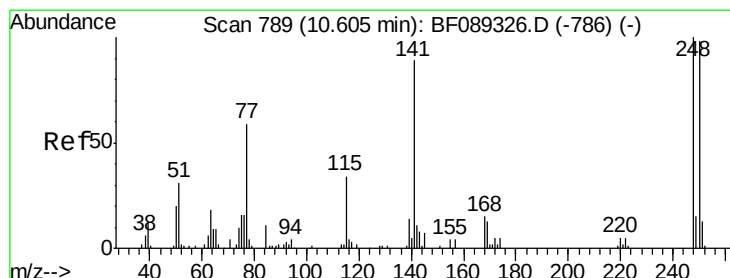
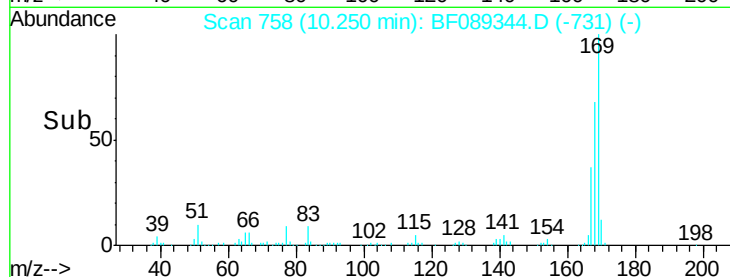
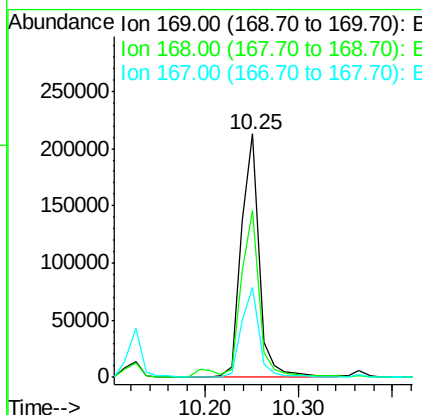
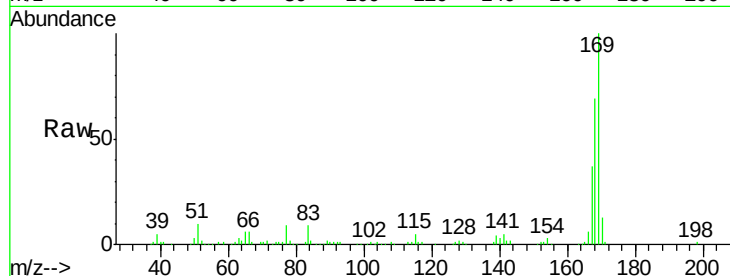
SB-38-14.0-15.0MS

Tgt Ion:	169	Resp:	286377
Ion Ratio	Lower	Upper	
169	100		
168	68.6	55.4	83.0
167	37.0	29.7	44.5

Manual Integrations

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#66

4-Bromophenyl-phenylether

Concen: 47.84 ng

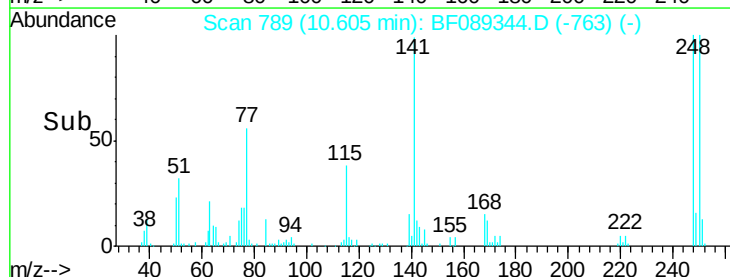
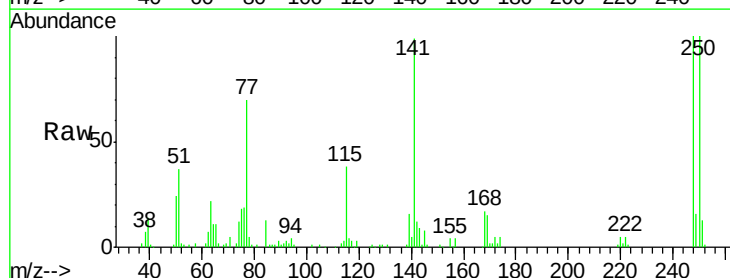
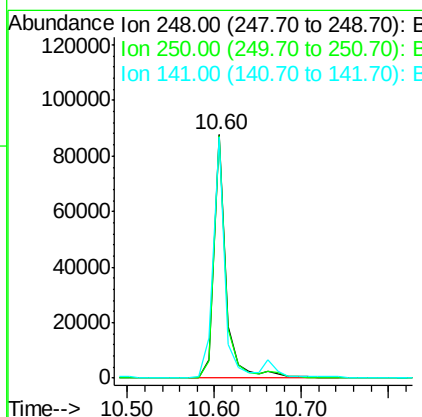
RT: 10.60 min Scan# 789

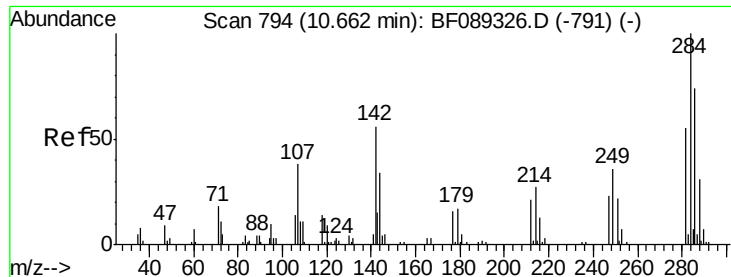
Delta R.T. 0.00 min

Lab File: BF089344.D

Acq: 28 Jul 2016 4:03

Tgt Ion:	248	Resp:	87363
Ion Ratio	Lower	Upper	
248	100		
250	99.7	78.2	117.2
141	99.0	62.0	93.0





#67

Hexachlorobenzene

Concen: 42.79 ng

RT: 10.66 min Scan# 794

Delta R.T. 0.00 min

Lab File: BF089344.D

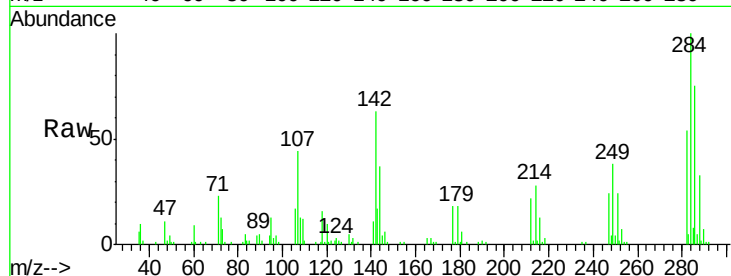
Acq: 28 Jul 2016 4:03

Instrument :

BNA_F

ClientSampleId :

SB-38-14.0-15.0MS

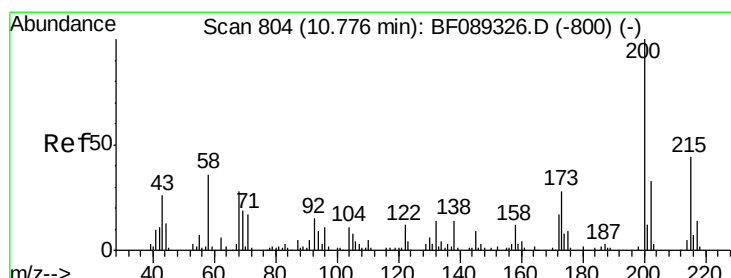
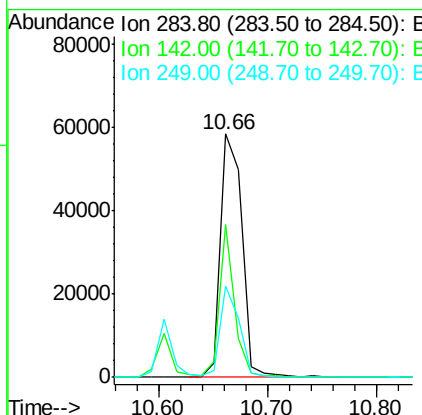
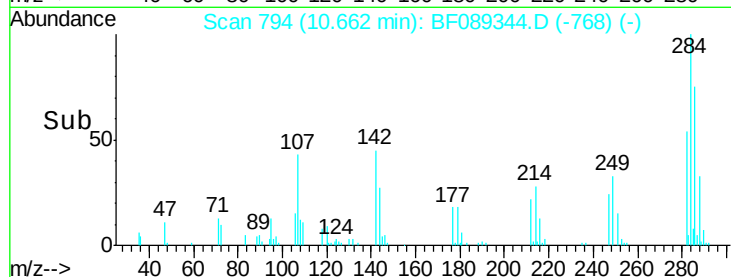


Tgt Ion	Ratio	Resp	Lower	Upper
284	100	80083		
142	62.9	42.2	63.4	
249	37.5	29.4	44.0	

Manual Integrations

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7/28/2016 5:03:22 PM



#68

Atrazine

Concen: 43.02 ng

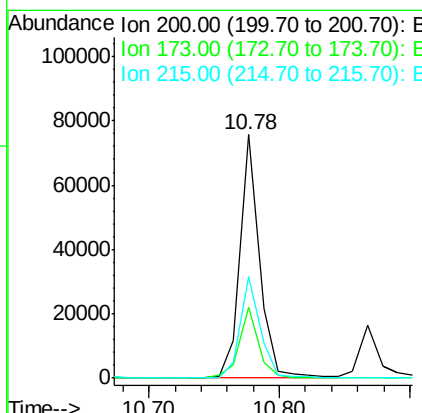
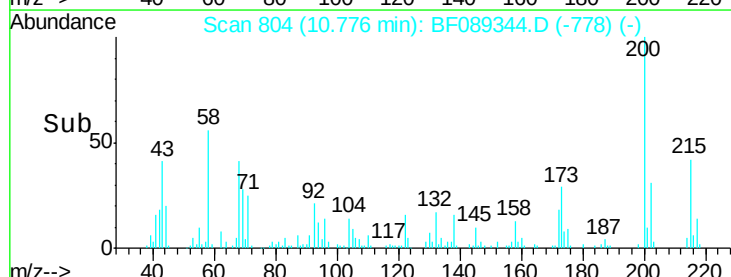
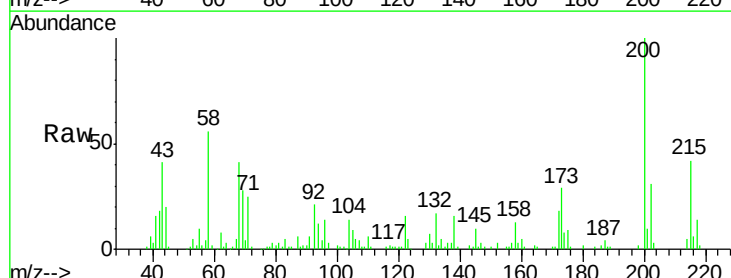
RT: 10.78 min Scan# 804

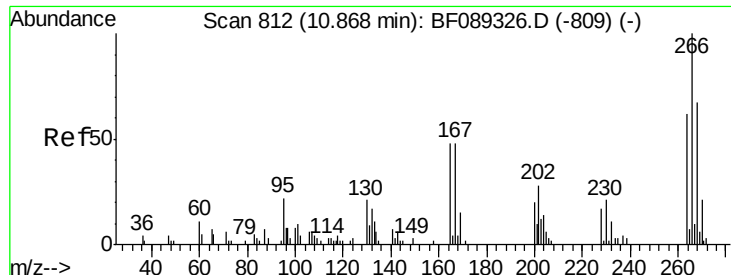
Delta R.T. 0.00 min

Lab File: BF089344.D

Acq: 28 Jul 2016 4:03

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	78870		
173	29.2	6.0	46.0	
215	41.9	24.3	64.3	





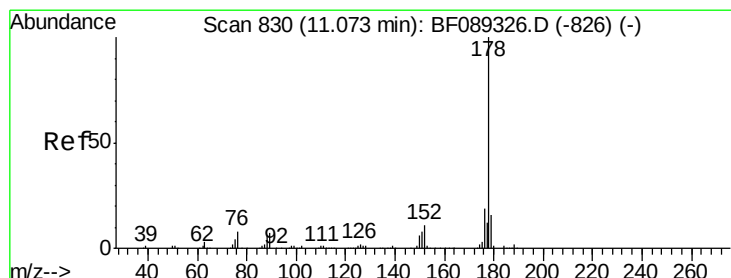
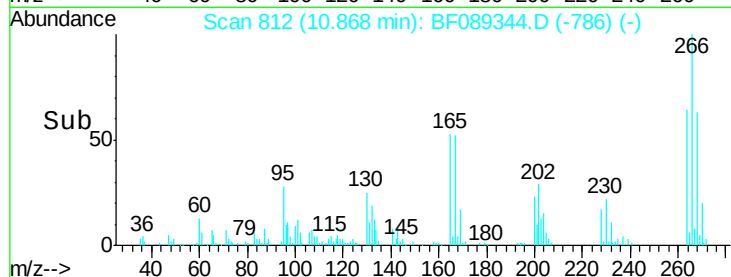
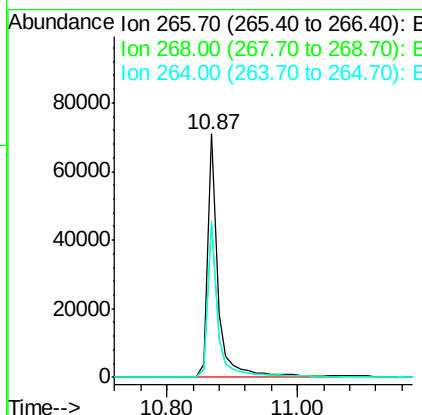
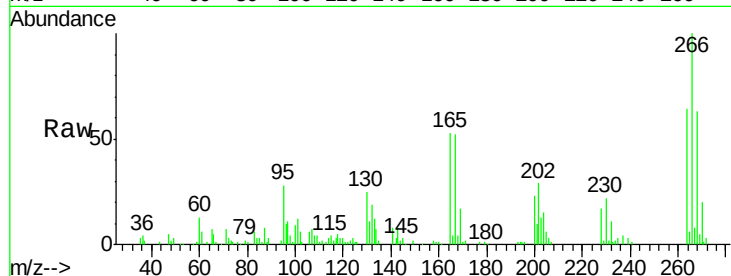
#69
 Pentachlorophenol
 Concen: 87.19 ng
 RT: 10.87 min Scan# 812
 Delta R.T. 0.00 min
 Lab File: BF089344.D
 Acq: 28 Jul 2016 4:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-38-14.0-15.0MS

Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.6	49.4	74.2
264	64.3	50.2	75.2

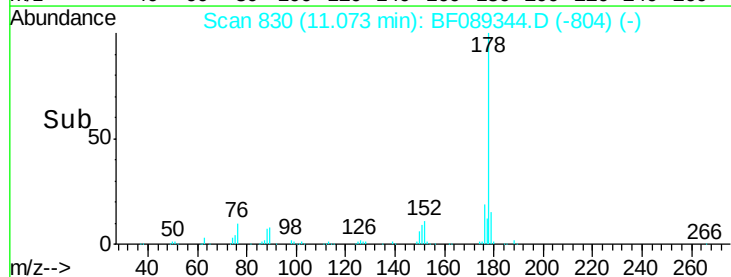
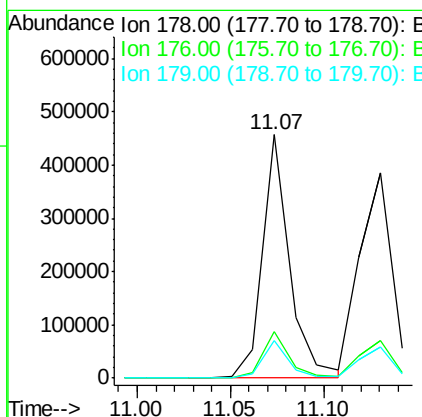
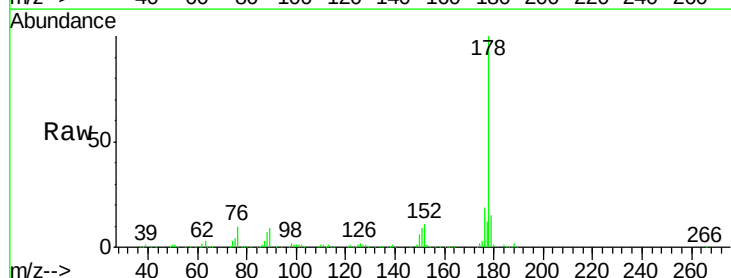
Manual Integrations

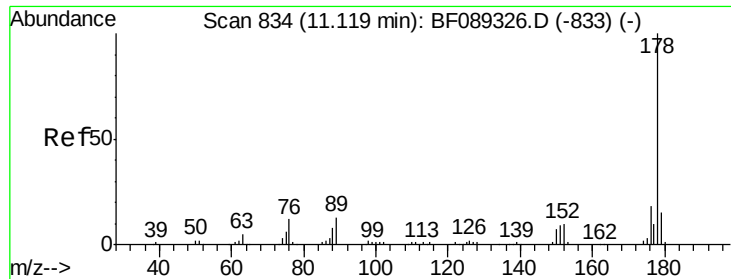
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#70
 Phenanthrene
 Concen: 46.30 ng
 RT: 11.07 min Scan# 830
 Delta R.T. 0.00 min
 Lab File: BF089344.D
 Acq: 28 Jul 2016 4:03

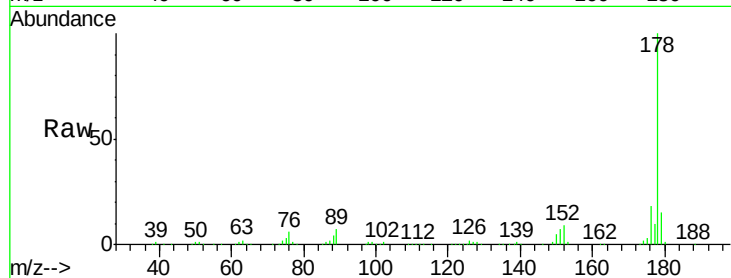
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.5	23.3
179	15.4	12.3	18.5





#71
 Anthracene
 Concen: 45.75 ng
 RT: 11.13 min Scan# 835
 Delta R.T. 0.01 min
 Lab File: BF089344.D
 Acq: 28 Jul 2016 4:03

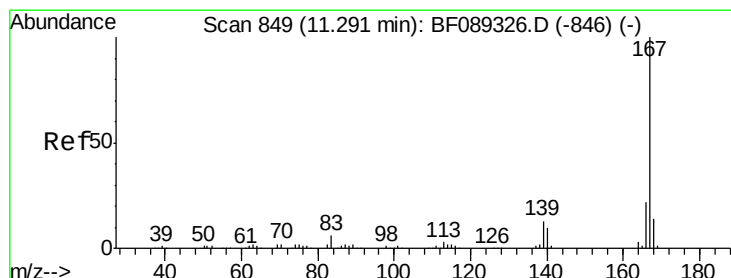
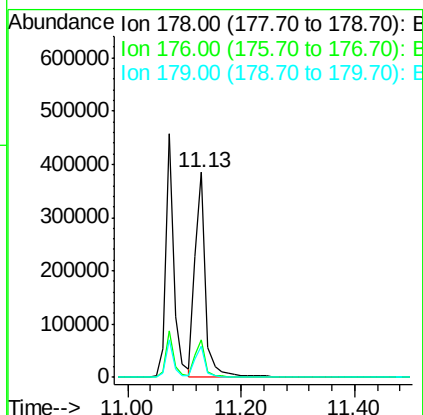
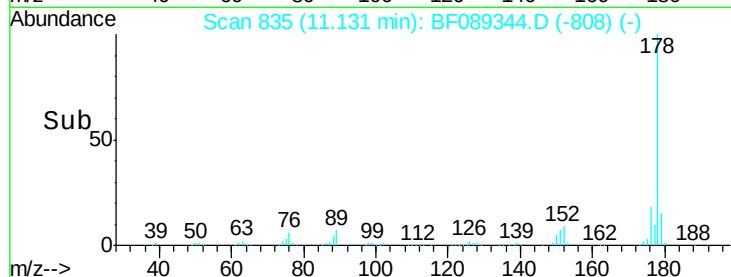
Instrument :
 BNA_F
 ClientSampleId :
 SB-38-14.0-15.0MS



Tgt Ion:178 Resp: 501701
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.8 22.2
 179 15.3 12.6 18.8

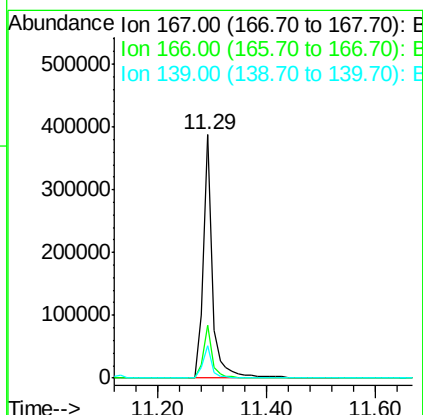
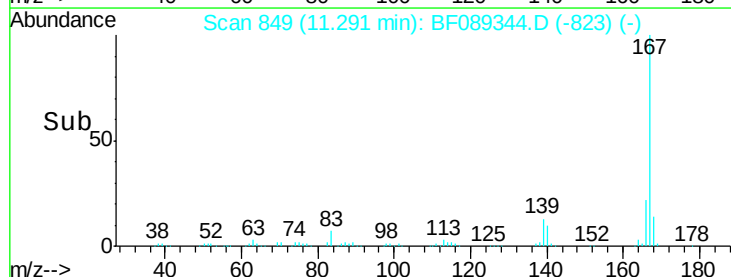
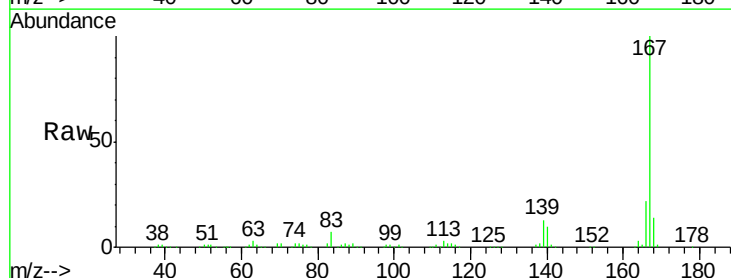
Manual Integrations

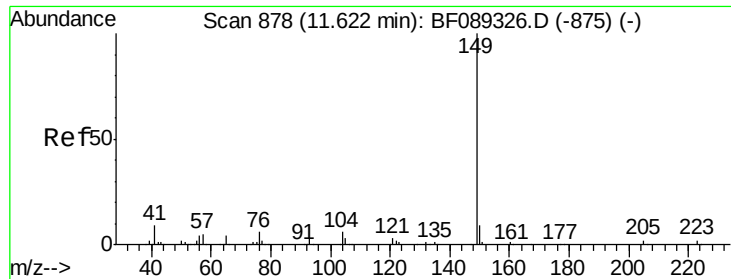
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#72
 Carbazole
 Concen: 48.80 ng
 RT: 11.29 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: BF089344.D
 Acq: 28 Jul 2016 4:03

Tgt Ion:167 Resp: 450504
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.6 26.4
 139 13.3 10.1 15.1





#73

Di-n-butylphthalate

Concen: 43.88 ng

RT: 11.62 min Scan# 878

Delta R.T. 0.00 min

Lab File: BF089344.D

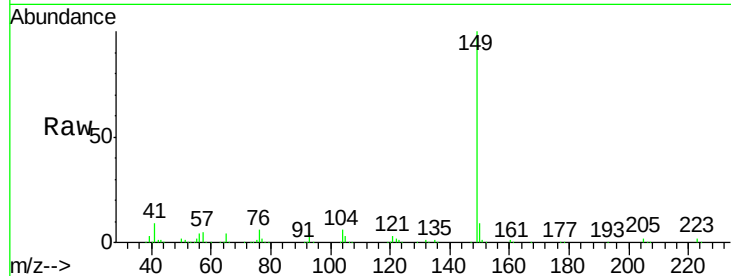
Acq: 28 Jul 2016 4:03

Instrument :

BNA_F

ClientSampleId :

SB-38-14.0-15.0MS

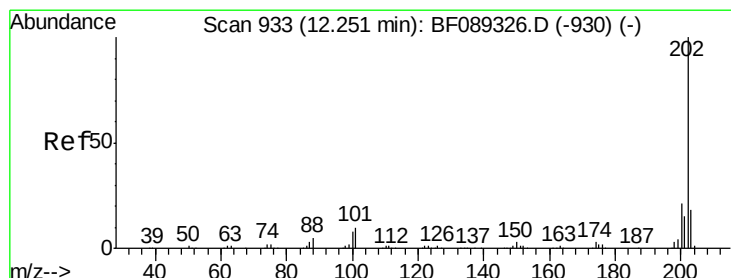
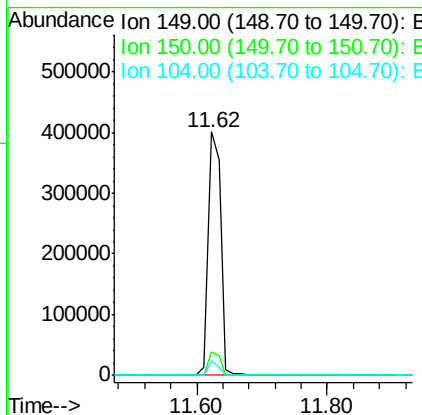
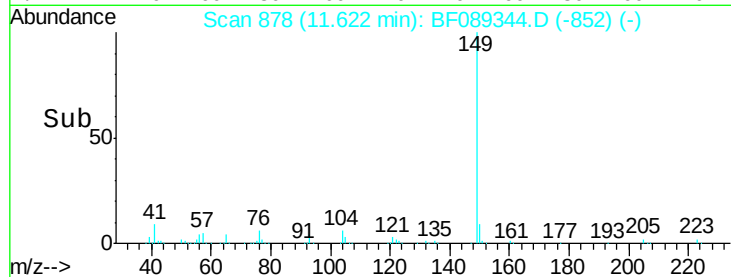


Tgt Ion:	149	Resp:	543567
Ion Ratio	Lower	Upper	
149	100		
150	9.4	7.4	11.0
104	5.9	4.7	7.1

Manual Integrations

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7/28/2016 5:03:22 PM



#74

Fluoranthene

Concen: 46.56 ng

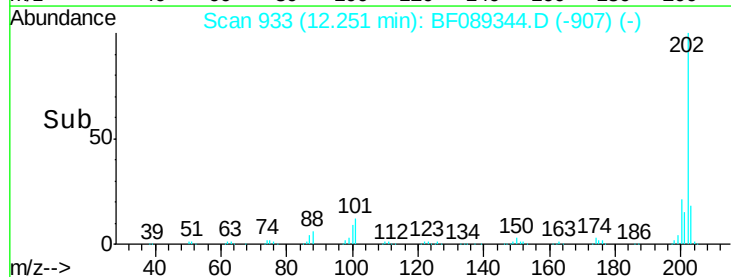
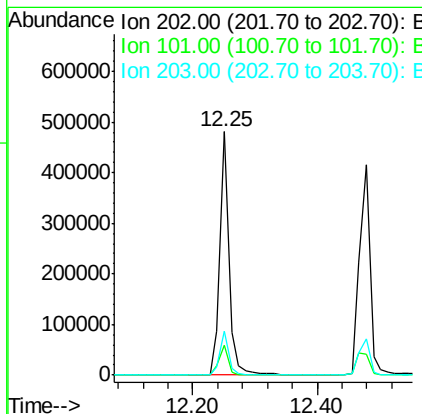
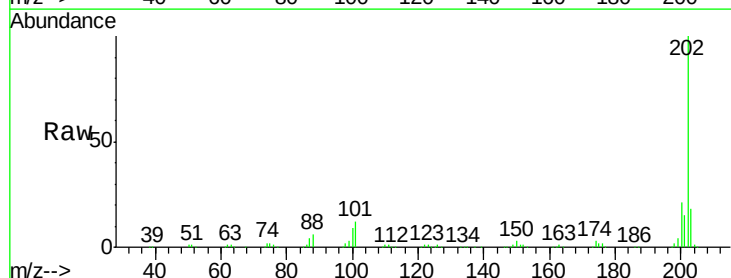
RT: 12.25 min Scan# 933

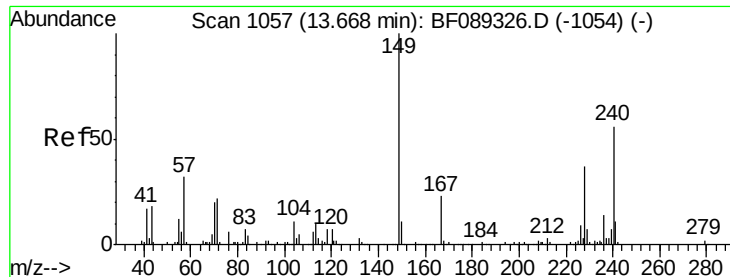
Delta R.T. 0.00 min

Lab File: BF089344.D

Acq: 28 Jul 2016 4:03

Tgt Ion:	202	Resp:	483119
Ion Ratio	Lower	Upper	
202	100		
101	12.1	0.0	29.9
203	17.8	0.0	37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.67 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BF089344.D

Acq: 28 Jul 2016 4:03

Instrument :

BNA_F

ClientSampleId :

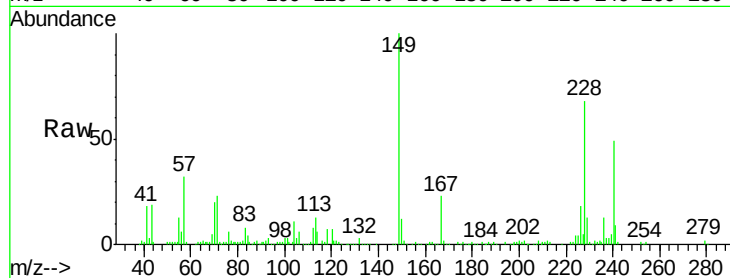
SB-38-14.0-15.0MS

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.2	9.1	13.7#
236	25.6	20.6	30.8

Manual Integrations

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7/28/2016 5:03:22 PM

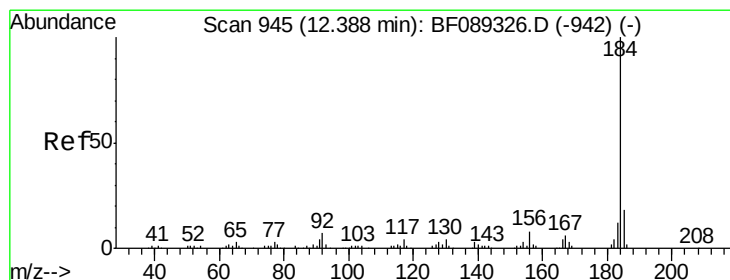
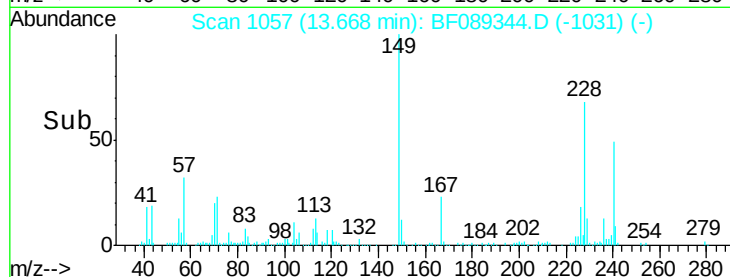
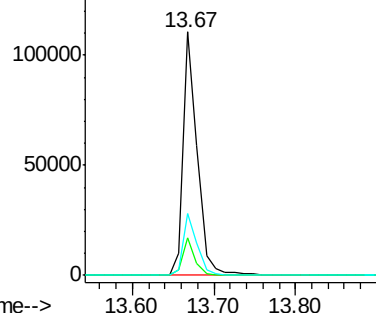


Abundance

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: 49.99 ng

RT: 12.39 min Scan# 945

Delta R.T. 0.00 min

Lab File: BF089344.D

Acq: 28 Jul 2016 4:03

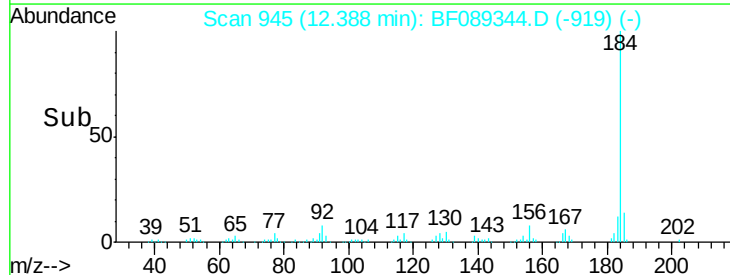
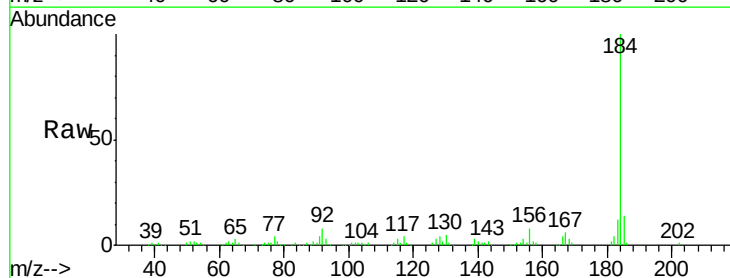
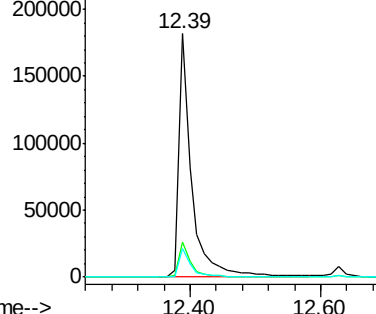
Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.4	13.5	20.3
183	11.6	9.8	14.6

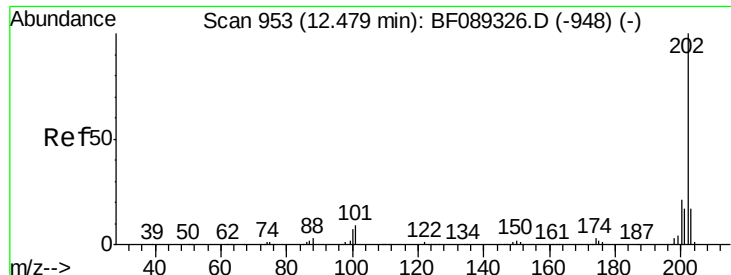
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





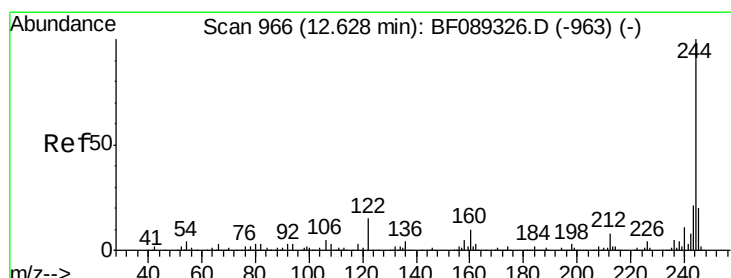
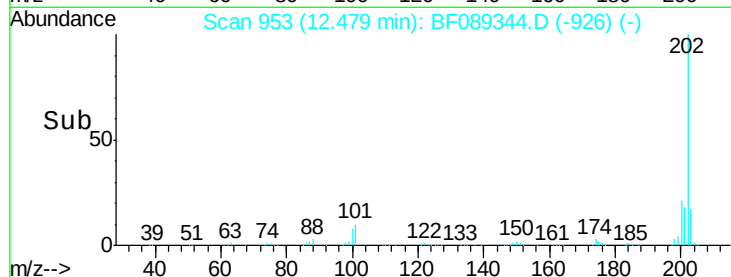
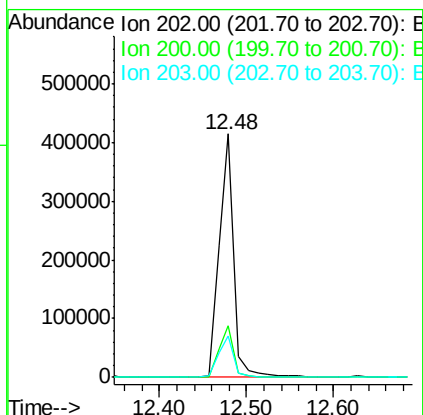
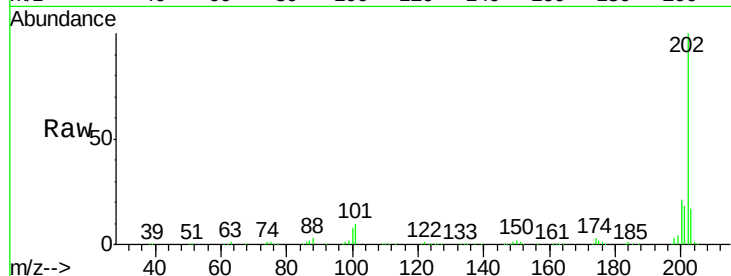
#77
Pyrene
 Concen: 47.52 ng
 RT: 12.48 min Scan# 953
 Delta R.T. 0.01 min
 Lab File: BF089344.D
 Acq: 28 Jul 2016 4:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-38-14.0-15.0MS

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.9	25.3
203	17.0	14.0	21.0

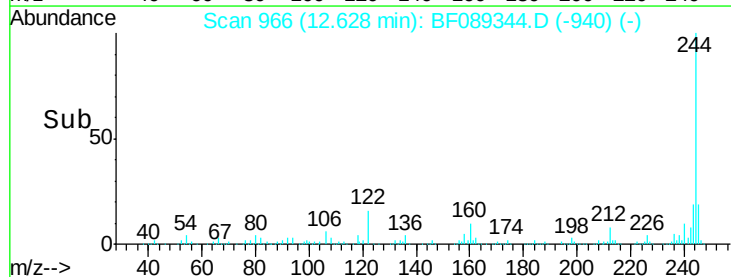
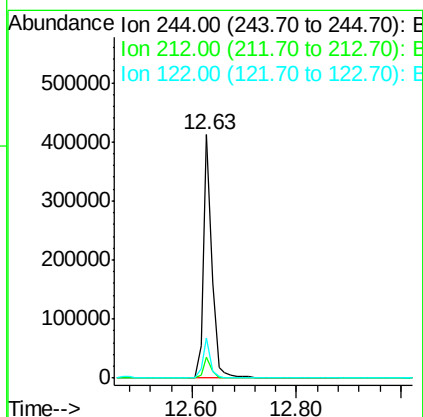
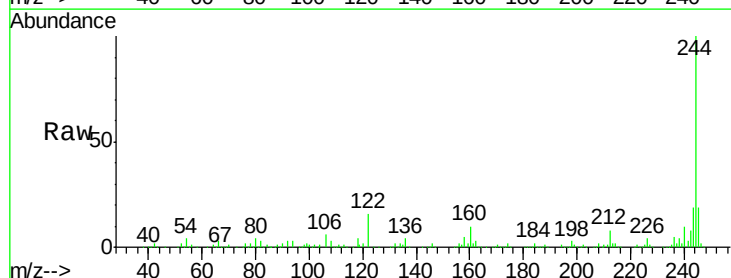
Manual Integrations

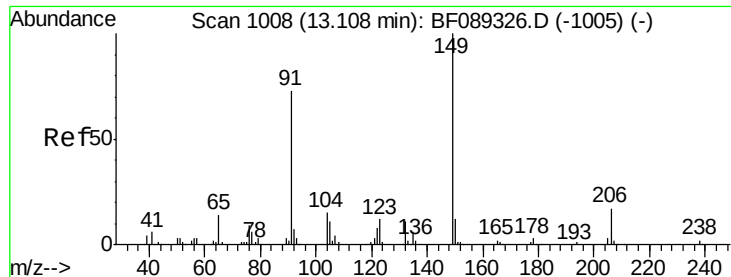
sohil
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#78
Terphenyl-d14
 Concen: 81.03 ng
 RT: 12.63 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: BF089344.D
 Acq: 28 Jul 2016 4:03

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.5	9.7
122	16.3	11.4	17.0





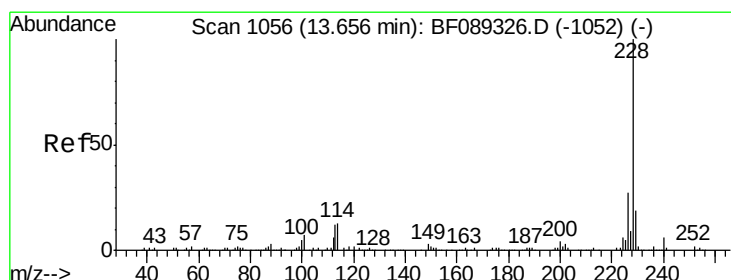
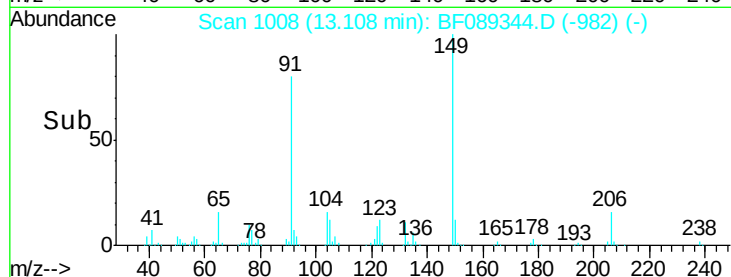
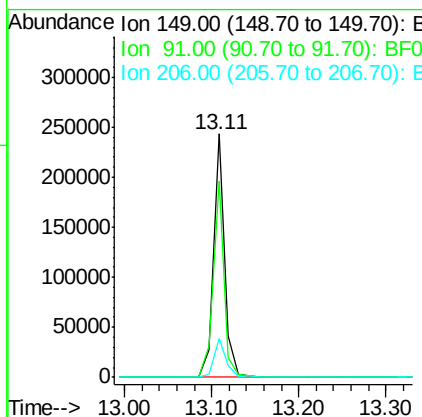
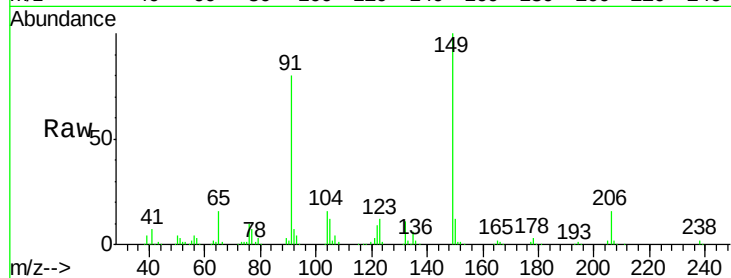
#79
Butylbenzylphthalate
Concen: 47.40 ng
RT: 13.11 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BF089344.D
Acq: 28 Jul 2016 4:03

Instrument :
BNA_F
ClientSampleId :
SB-38-14.0-15.0MS

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	220190		
91	80.5	58.5	87.7	
206	15.9	13.8	20.8	

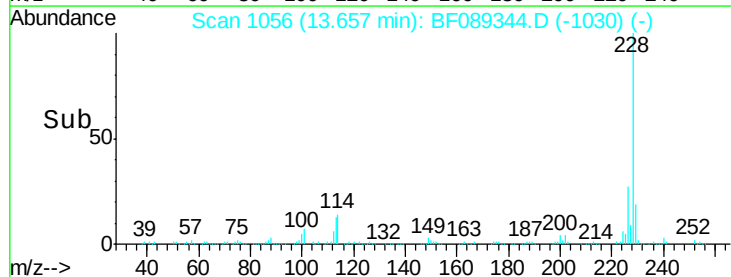
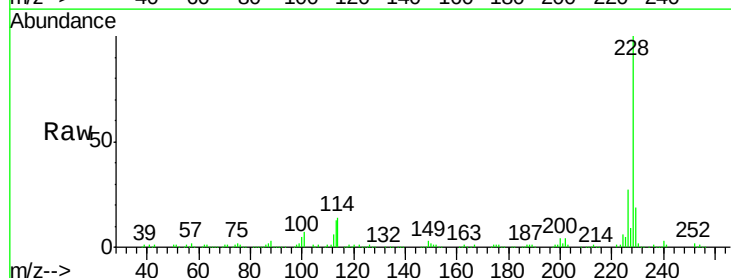
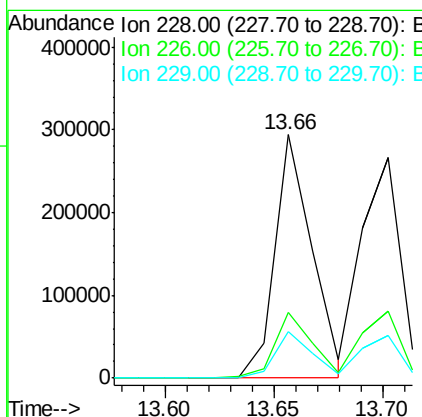
Manual Integrations

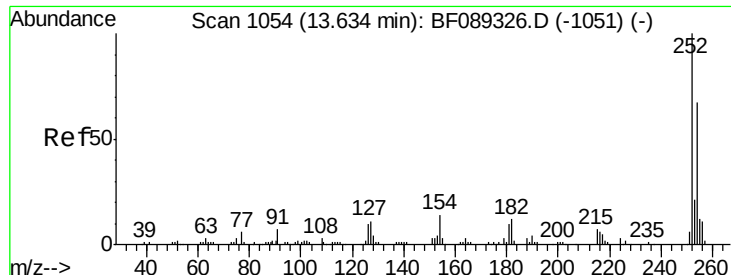
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7/28/2016 5:03:22 PM



#80
Benzo(a)anthracene
Concen: 46.29 ng
RT: 13.66 min Scan# 1056
Delta R.T. 0.00 min
Lab File: BF089344.D
Acq: 28 Jul 2016 4:03

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	352136		
226	27.1	21.4	32.2	
229	19.2	15.9	23.9	





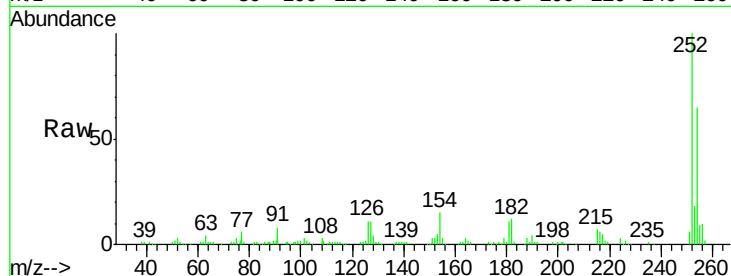
#81
 3,3'-Dichlorobenzidine
 Concen: 40.32 ng
 RT: 13.63 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: BF089344.D
 Acq: 28 Jul 2016 4:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-38-14.0-15.0MS

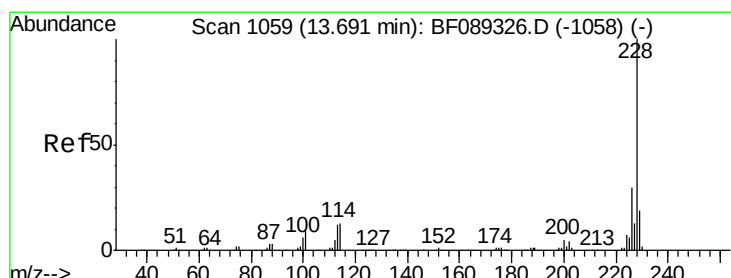
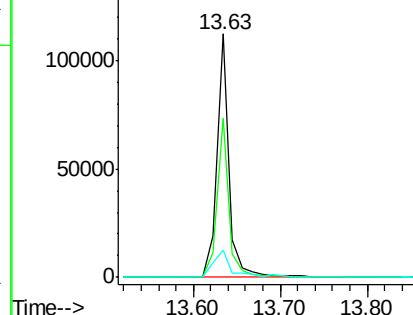
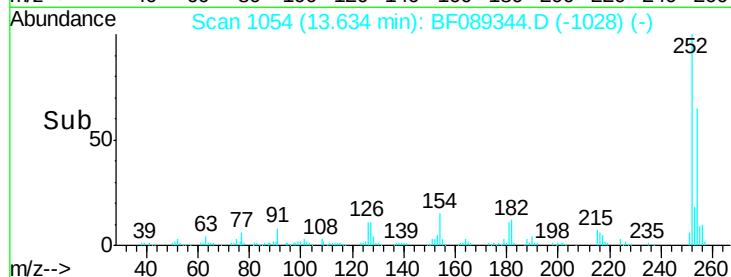
Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.5	52.5	78.7
126	11.1	7.4	11.2

Manual Integrations

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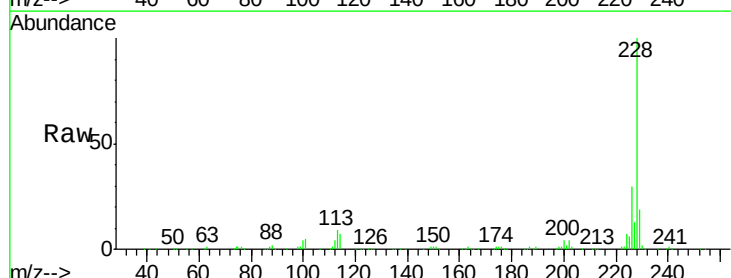


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

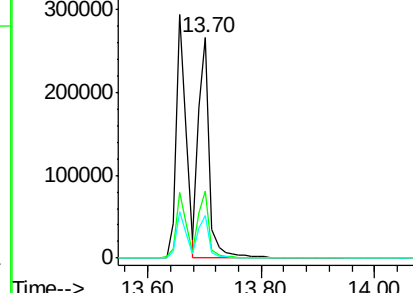
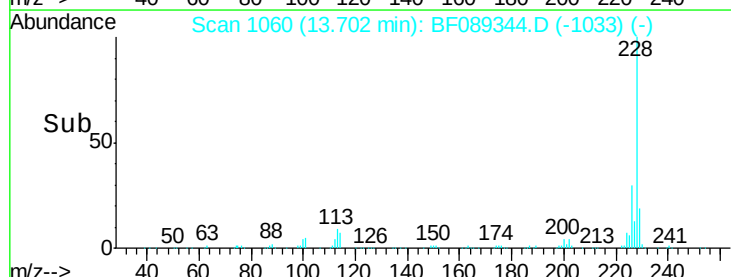


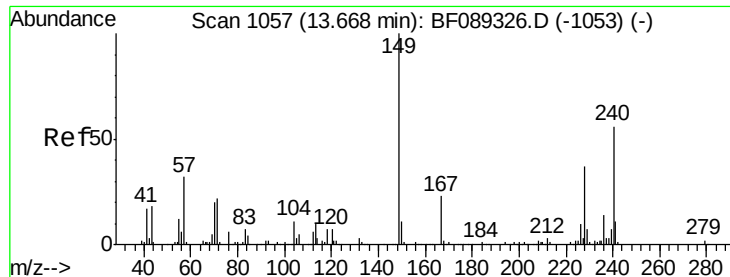
#82
 Chrysene
 Concen: 44.12 ng
 RT: 13.70 min Scan# 1060
 Delta R.T. 0.01 min
 Lab File: BF089344.D
 Acq: 28 Jul 2016 4:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.2	36.2
229	19.4	15.9	23.9



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: 45.42 ng

RT: 13.67 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BF089344.D

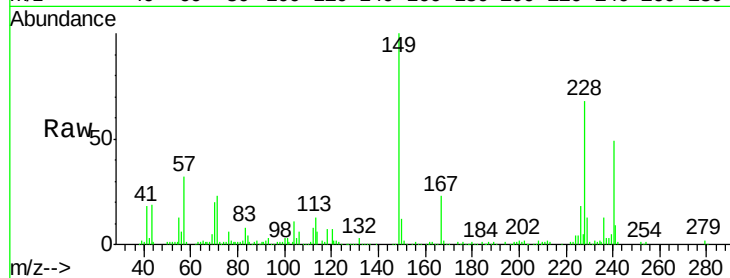
Acq: 28 Jul 2016 4:03

Instrument :

BNA_F

ClientSampleId :

SB-38-14.0-15.0MS



Tgt Ion:149 Resp: 304984

Ion Ratio Lower Upper

149 100

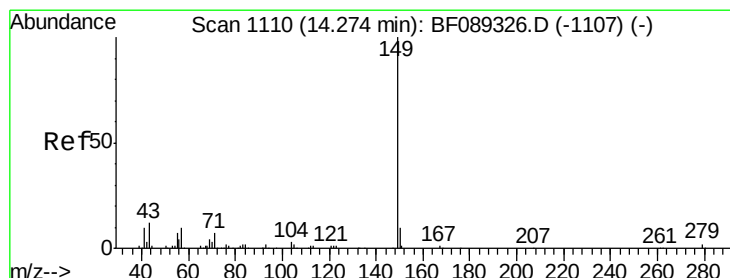
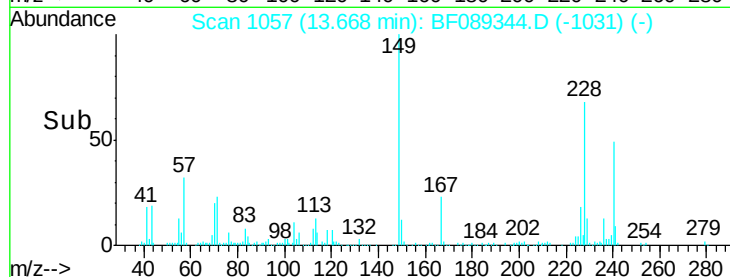
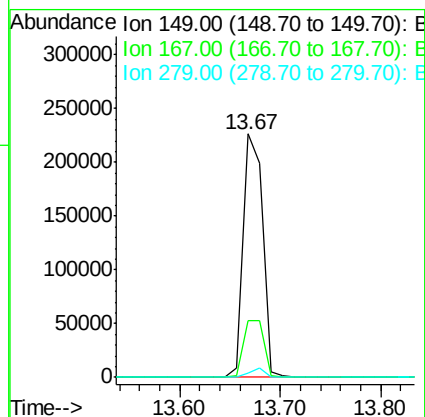
167 23.3 18.8 28.2

279 1.9 1.4 2.0

Manual Integrations

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7/28/2016 5:03:22 PM



#84

Di-n-octyl phthalate

Concen: 47.26 ng

RT: 14.29 min Scan# 1111

Delta R.T. 0.01 min

Lab File: BF089344.D

Acq: 28 Jul 2016 4:03

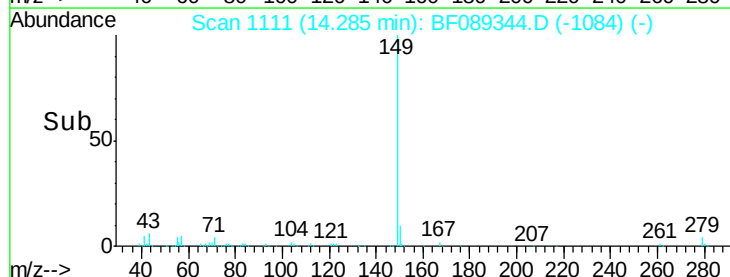
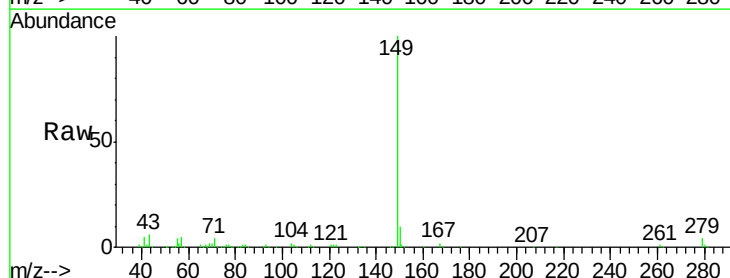
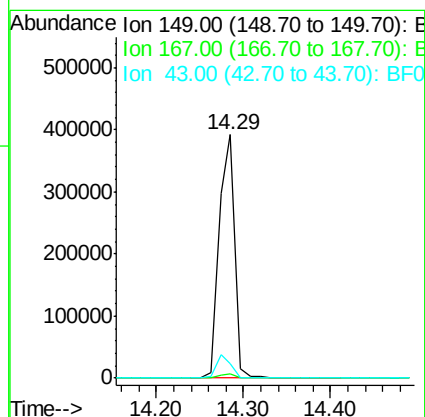
Tgt Ion:149 Resp: 495189

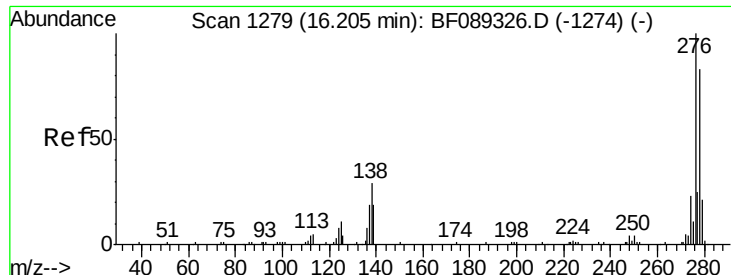
Ion Ratio Lower Upper

149 100

167 1.4 1.1 1.7

43 9.2 7.3 10.9





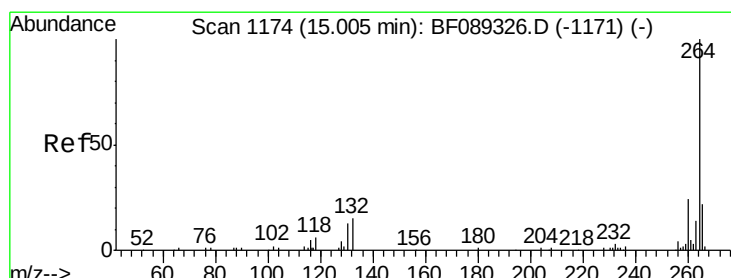
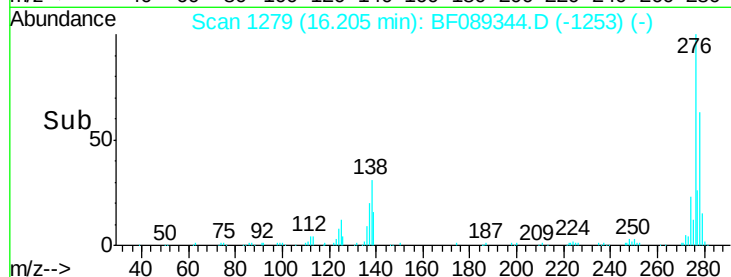
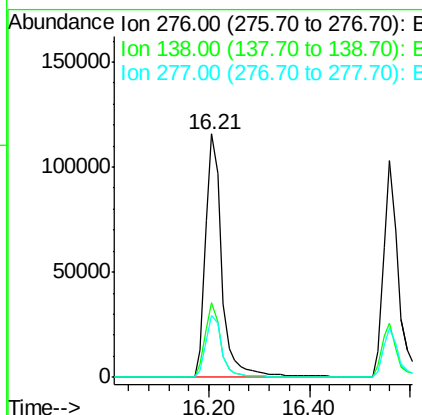
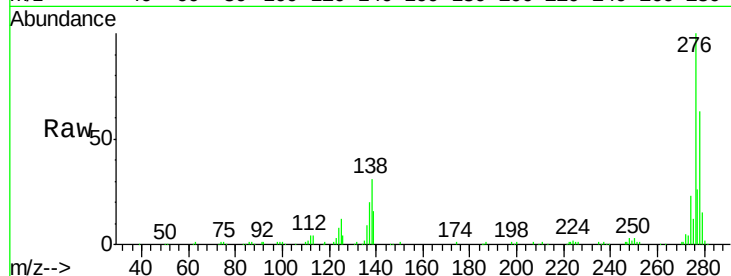
#85
Indeno(1,2,3-cd)pyrene
Concen: 45.75 ng
RT: 16.21 min Scan# 1279
Delta R.T. 0.00 min
Lab File: BF089344.D
Acq: 28 Jul 2016 4:03

Instrument :
BNA_F
ClientSampleId :
SB-38-14.0-15.0MS

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.8	23.0	34.4
277	25.5	20.2	30.4

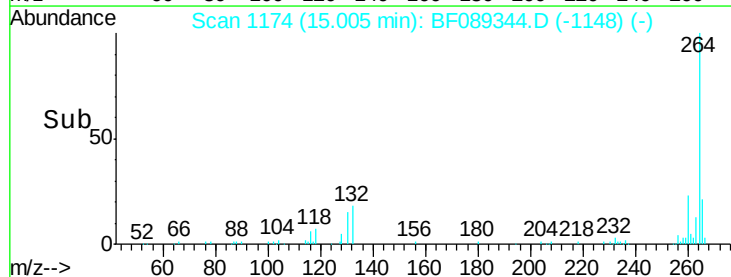
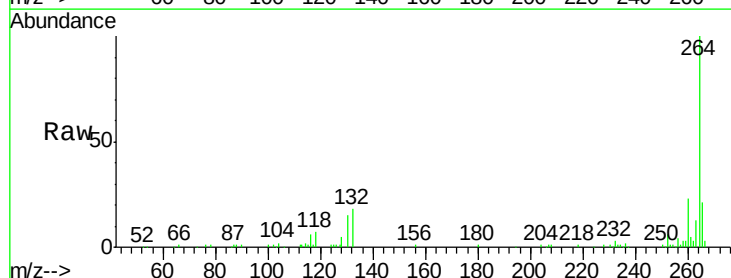
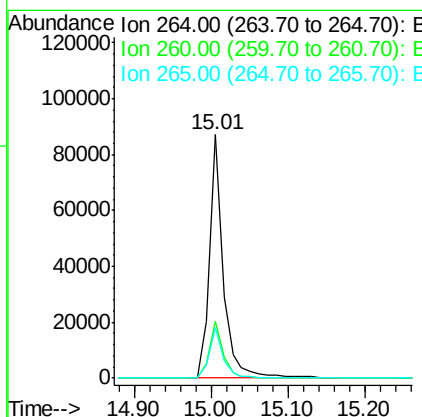
Manual Integrations

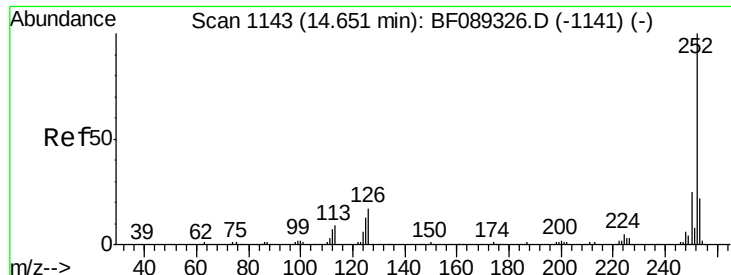
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7/28/2016 5:03:22 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.01 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BF089344.D
Acq: 28 Jul 2016 4:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.4
265	20.5	17.5	26.3





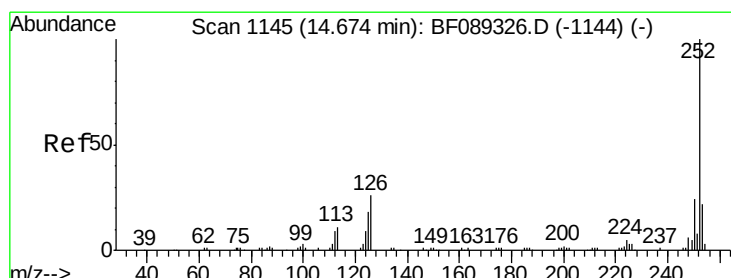
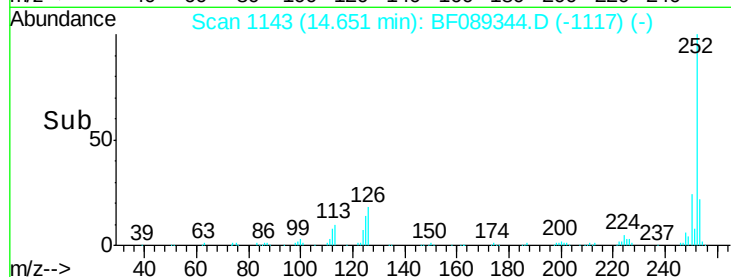
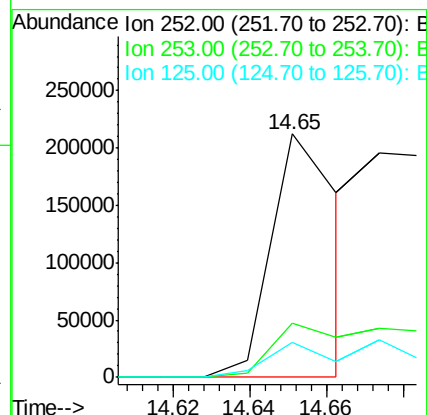
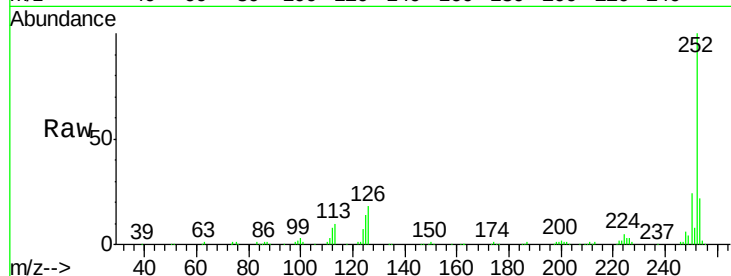
#87
Benzo(b)fluoranthene
Concen: 39.97 ng m
RT: 14.65 min Scan# 1143
Delta R.T. 0.00 min
Lab File: BF089344.D
Acq: 28 Jul 2016 4:03

Instrument :
BNA_F
ClientSampleId :
SB-38-14.0-15.0MS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	14.4	9.7	14.5

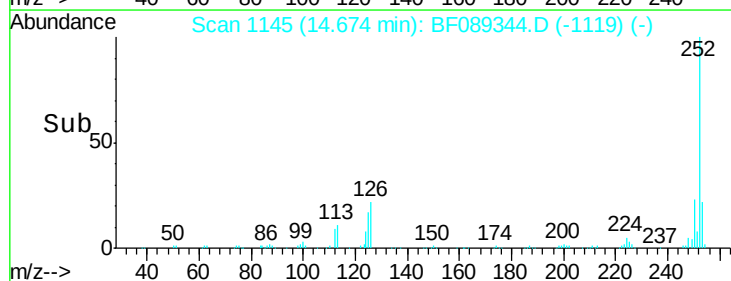
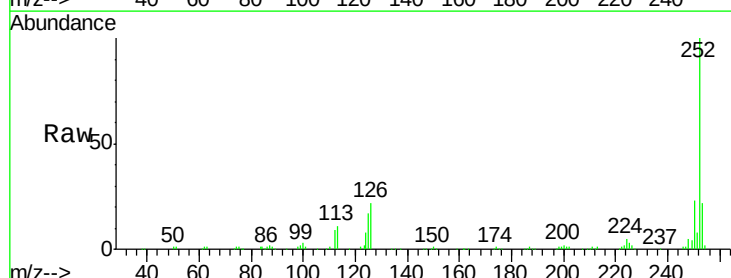
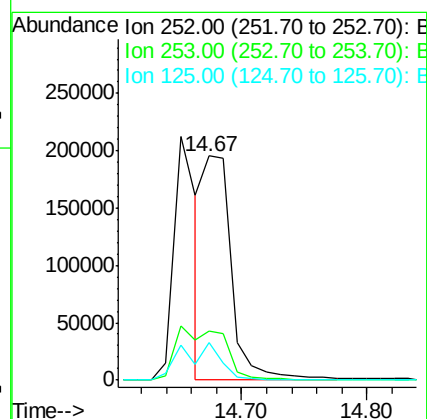
Manual Integrations

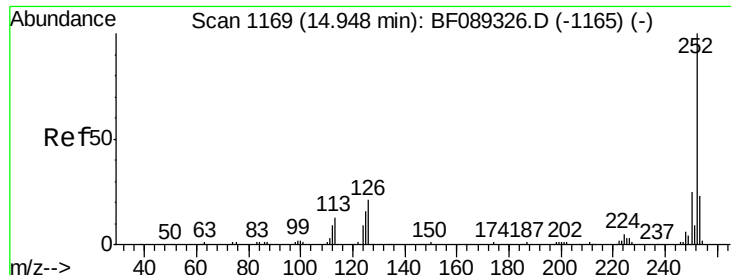
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#88
Benzo(k)fluoranthene
Concen: 51.25 ng m
RT: 14.67 min Scan# 1145
Delta R.T. 0.00 min
Lab File: BF089344.D
Acq: 28 Jul 2016 4:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	16.5	10.7	16.1





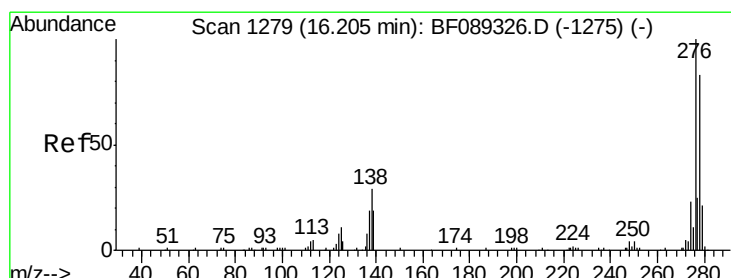
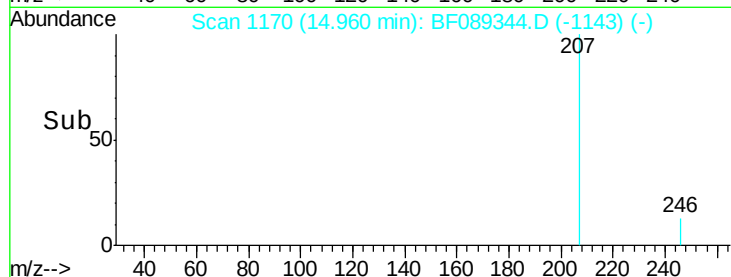
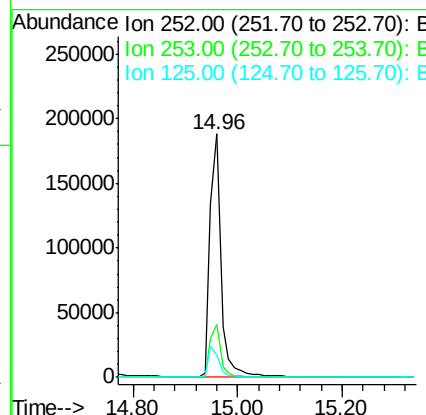
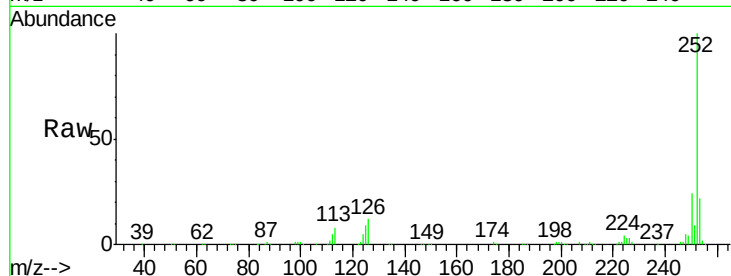
#89
Benzo(a)pyrene
Concen: 45.92 ng
RT: 14.96 min Scan# 1170
Delta R.T. 0.01 min
Lab File: BF089344.D
Acq: 28 Jul 2016 4:03

Instrument :
BNA_F
ClientSampleId :
SB-38-14.0-15.0MS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	9.3	12.4	18.6

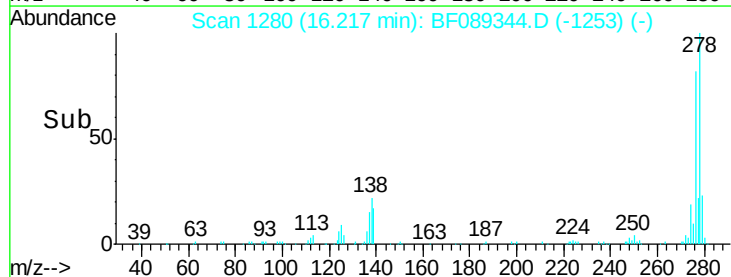
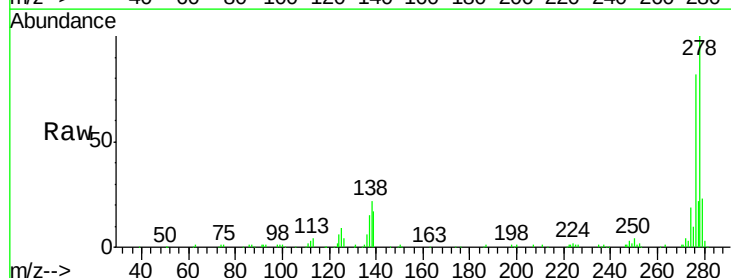
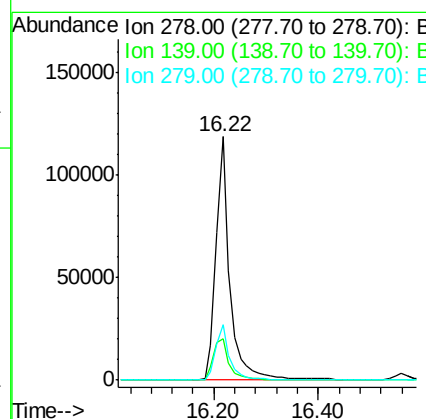
Manual Integrations

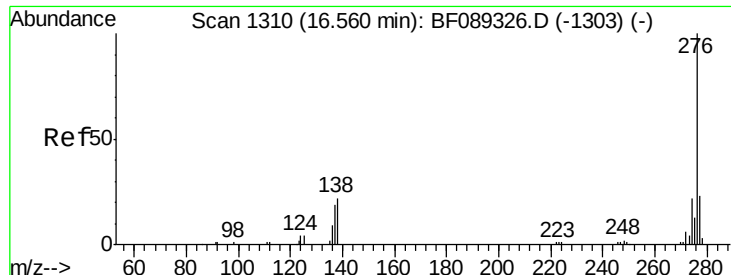
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7/28/2016 5:03:22 PM



#90
Dibenzo(a,h)anthracene
Concen: 46.99 ng
RT: 16.22 min Scan# 1280
Delta R.T. 0.01 min
Lab File: BF089344.D
Acq: 28 Jul 2016 4:03

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.7	16.3	24.5
279	22.6	19.1	28.7





#91

Benzo(g,h,i)perylene

Concen: 46.61 ng

RT: 16.56 min Scan# 1310

Delta R.T. 0.01 min

Lab File: BF089344.D

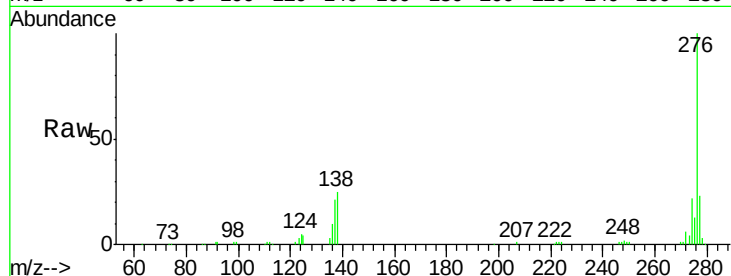
Acq: 28 Jul 2016 4:03

Instrument :

BNA_F

ClientSampleId :

SB-38-14.0-15.0MS



Tgt	Ion	276	Resp	215960
Ion	Ratio	100	Lower	Upper
276	100			
277	23.0	18.6	28.0	
138	24.8	21.4	32.0	

Manual Integrations

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7/28/2016 5:03:22 PM

