

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF083116\
 Data File : BF089957.D
 Acq On : 31 Aug 2016 18:24
 Operator : UM/SJ
 Sample : H4645-01MS
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MSP-BPMMS

Manual Integrations
 APPROVED

SOHIL
 9/1/2016 11:54:19 AM

Quant Time: Aug 31 19:36:23 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 31 11:55:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	194712	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	727569	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	349629	20.00	ng	0.00
63) Phenanthrene-d10	11.14	188	566068	20.00	ng	0.00
75) Chrysene-d12	13.76	240	384082	20.00	ng	0.00
86) Perylene-d12	15.10	264	443697	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.22	112	1316481	108.22	ng	0.01
7) Phenol-d6	6.28	99	1714483	115.99	ng	0.01
23) Nitrobenzene-d5	7.21	82	1104921	88.07	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	397344	115.19	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	1931039	90.66	ng	0.00
78) Terphenyl-d14	12.72	244	1311524	84.35	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.15	88	180923	31.39	ng	99
3) Pyridine	2.79	79	307481	20.00	ng	97
4) n-Nitrosodimethylamine	2.73	42	310030	40.89	ng	99
6) Aniline	6.30	93	565550	28.04	ng	# 68
8) 2-Chlorophenol	6.42	128	501357	37.99	ng	93
9) Benzaldehyde	6.17	77	104331	10.94	ng	87
10) Phenol	6.30	94	538633	31.34	ng	99
11) bis(2-Chloroethyl)ether	6.39	93	516987	39.75	ng	87
12) 1,3-Dichlorobenzene	6.58	146	573742	38.93	ng	98
13) 1,4-Dichlorobenzene	6.65	146	549579	36.44	ng	99
14) 1,2-Dichlorobenzene	6.81	146	549470	40.64	ng	99
15) Benzyl Alcohol	6.79	79	367584	39.70	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.94	45	1003365	40.46	ng	98
17) 2-Methylphenol	6.91	107	444077	42.13	ng	97
18) Hexachloroethane	7.15	117	198431	38.41	ng	96
19) n-Nitroso-di-n-propylamine	7.07	70	379673	39.42	ng	98
20) 3+4-Methylphenols	7.06	107	468909	36.70	ng	95
22) Acetophenone	7.05	105	633194	38.79	ng	# 92
24) Nitrobenzene	7.22	77	490668	36.79	ng	97
25) Isophorone	7.47	82	1028222	40.30	ng	98
26) 2-Nitrophenol	7.54	139	269759	42.31	ng	97
27) 2,4-Dimethylphenol	7.59	122	478618	40.58	ng	99
28) bis(2-Chloroethoxy)methane	7.69	93	694224	45.12	ng	100
29) 2,4-Dichlorophenol	7.78	162	416662	39.41	ng	99
30) 1,2,4-Trichlorobenzene	7.87	180	489471	42.35	ng	99
31) Naphthalene	7.94	128	1369961	37.80	ng	99
32) Benzoic acid	7.68	122	90609	11.41	ng	92
33) 4-Chloroaniline	8.00	127	416016	28.45	ng	96
34) Hexachlorobutadiene	8.07	225	266017	39.27	ng	97
35) Caprolactam	8.36	113	137518	41.21	ng	92
36) 4-Chloro-3-methylphenol	8.49	107	468135	41.81	ng	92
37) 2-Methylnaphthalene	8.64	142	1015579	42.40	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.80	216	359637	35.11	ng	100
40) Hexachlorocyclopentadiene	8.79	237	325755	62.03	ng	94

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Manual Integrations
 APPROVED

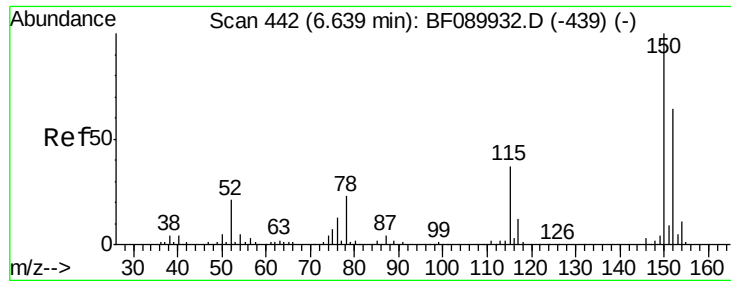
SOHIL
 9/1/2016 11:54:19 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 2,4,6-Trichlorophenol	8.91	196	303030	42.69	ng	97
43) 2,4,5-Trichlorophenol	8.96	196	304072	44.55	ng	# 89
45) 1,1'-Biphenyl	9.10	154	962284	34.18	ng	99
46) 2-Chloronaphthalene	9.12	162	868173	43.60	ng	100
47) 2-Nitroaniline	9.21	65	263261	40.44	ng	99
48) Acenaphthylene	9.53	152	1314671	39.93	ng	99
49) Dimethylphthalate	9.40	163	1303351	51.58	ng	100
50) 2,6-Dinitrotoluene	9.46	165	229281	40.79	ng	100
51) Acenaphthene	9.70	154	848687	40.68	ng	100
52) 3-Nitroaniline	9.62	138	179470	28.00	ng	98
53) 2,4-Dinitrophenol	9.72	184	105883	38.73	ng	99
54) Dibenzofuran	9.87	168	1179786	42.20	ng	100
55) 4-Nitrophenol	9.79	139	315962	65.35	ng	# 64
56) 2,4-Dinitrotoluene	9.86	165	315775	44.30	ng	99
57) Fluorene	10.22	166	887545	43.45	ng	99
58) 2,3,4,6-Tetrachlorophenol	9.99	232	226459	38.75	ng	99
59) Diethylphthalate	10.10	149	938293	39.47	ng	99
60) 4-Chlorophenyl-phenylether	10.22	204	415521	43.22	ng	99
61) 4-Nitroaniline	10.23	138	196208	31.15	ng	87
62) Azobenzene	10.36	77	964013	40.60	ng	99
64) 4,6-Dinitro-2-methylphenol	10.26	198	107883	29.77	ng	86
65) n-Nitrosodiphenylamine	10.33	169	788121	46.31	ng	99
66) 4-Bromophenyl-phenylether	10.70	248	259792	45.59	ng	98
67) Hexachlorobenzene	10.75	284	251232	38.59	ng	100
68) Atrazine	10.86	200	229819	40.45	ng	99
69) Pentachlorophenol	10.95	266	250853	71.63	ng	98
70) Phenanthrene	11.16	178	1209433	42.90	ng	99
71) Anthracene	11.21	178	1125409	39.36	ng	99
72) Carbazole	11.37	167	1098266	40.97	ng	99
73) Di-n-butylphthalate	11.71	149	1300605	41.62	ng	99
74) Fluoranthene	12.34	202	1153870	39.06	ng	98
76) Benzidine	12.47	184	464253	31.91	ng	97
77) Pyrene	12.56	202	1036626	38.28	ng	100
79) Butylbenzylphthalate	13.20	149	497550	45.56	ng	94
80) Benzo(a)anthracene	13.75	228	1033660	43.94	ng	100
81) 3,3'-Dichlorobenzidine	13.71	252	353810	41.67	ng	# 98
82) Chrysene	13.78	228	1006453	45.80	ng	99
83) Bis(2-ethylhexyl)phthalate	13.76	149	640909	42.43	ng	# 93
84) Di-n-octyl phthalate	14.38	149	1188331	48.74	ng	100
85) Indeno(1,2,3-cd)pyrene	16.33	276	1105295	68.04	ng	99
87) Benzo(b)fluoranthene	14.74	252	1237250m	44.51	ng	
88) Benzo(k)fluoranthene	14.77	252	802856m	34.04	ng	
89) Benzo(a)pyrene	15.05	252	1045814	43.92	ng	99
90) Dibenzo(a,h)anthracene	16.34	278	931719	53.40	ng	# 96
91) Benzo(g,h,i)perylene	16.70	276	904516	51.50	ng	# 94

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



#1

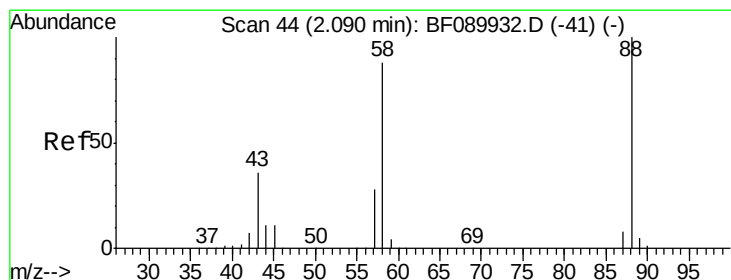
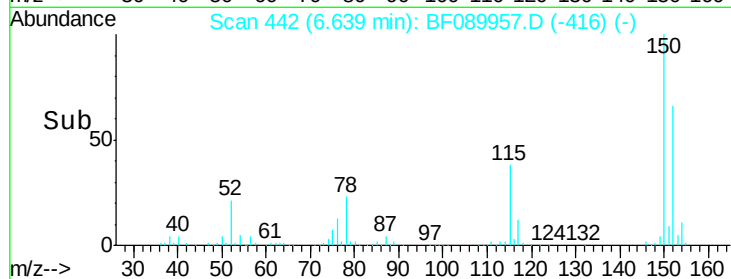
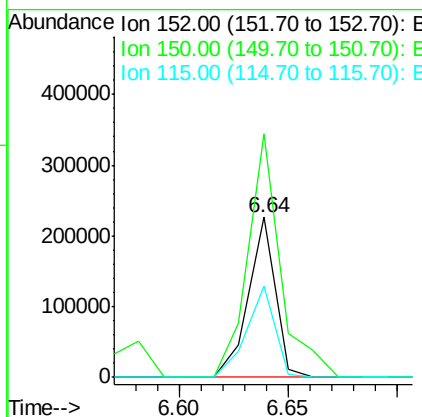
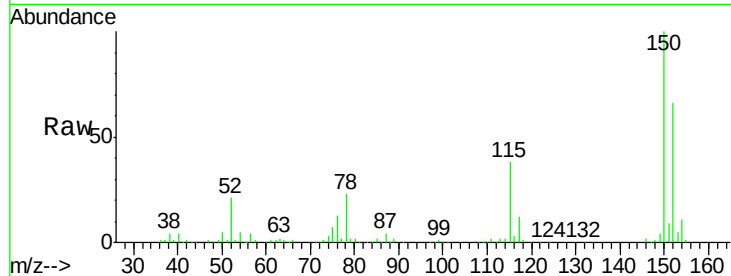
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.64 min Scan# 442
Delta R.T. 0.00 min
Lab File: BF089957.D
Acq: 31 Aug 2016 18:24

Instrument :
BNA_F
ClientSampleId :
MSP-BPMMS

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.0	127.4	191.2
115	57.3	46.3	69.5

Manual Integrations
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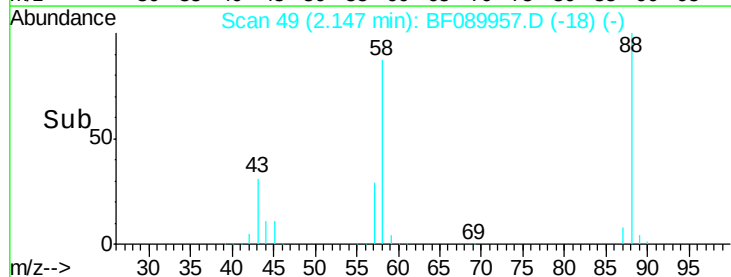
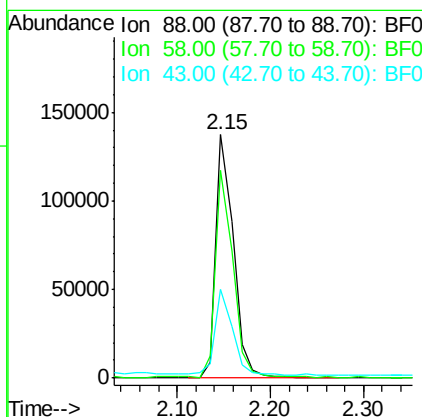
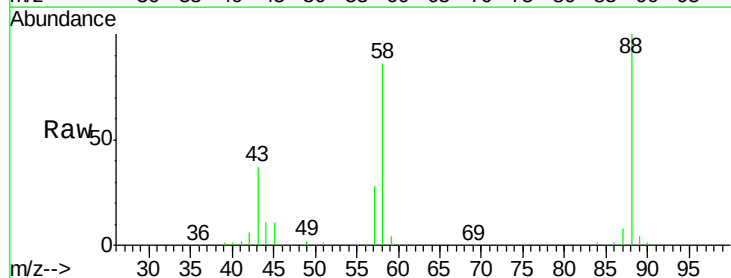
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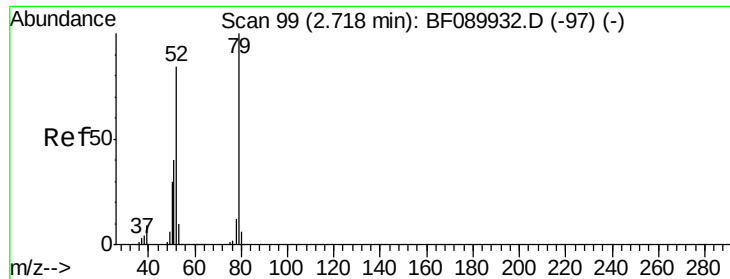


#2

1,4-Dioxane
Concen: 31.39 ng
RT: 2.15 min Scan# 49
Delta R.T. 0.06 min
Lab File: BF089957.D
Acq: 31 Aug 2016 18:24

Tgt Ion	Ratio	Lower	Upper
88	100		
58	84.7	68.8	103.2
43	34.1	27.0	40.6





#3

Pyridine

Concen: 20.00 ng

RT: 2.79 min Scan# 105

Delta R.T. 0.07 min

Lab File: BF089957.D

Acq: 31 Aug 2016 18:24

Instrument :

BNA_F

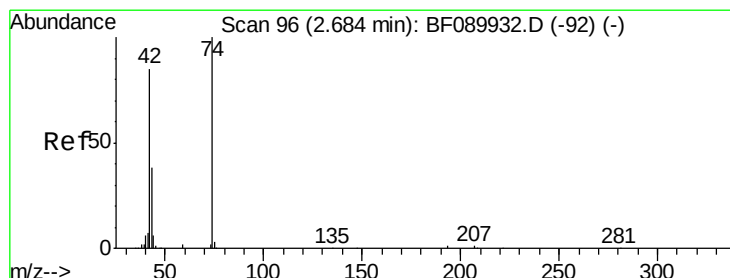
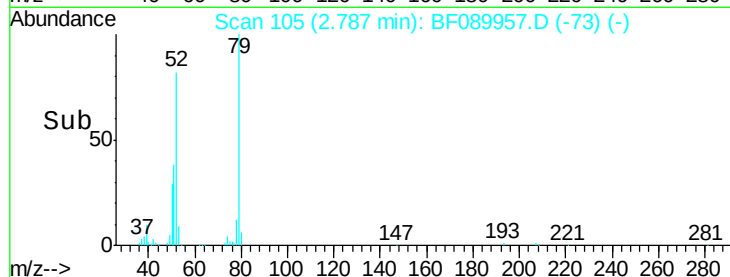
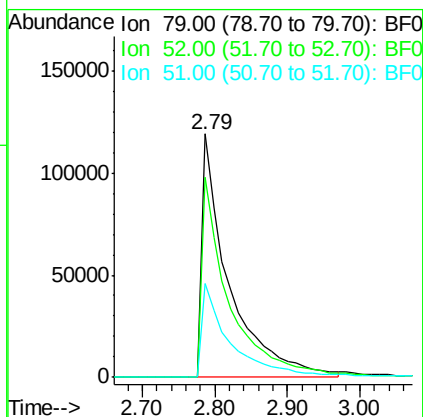
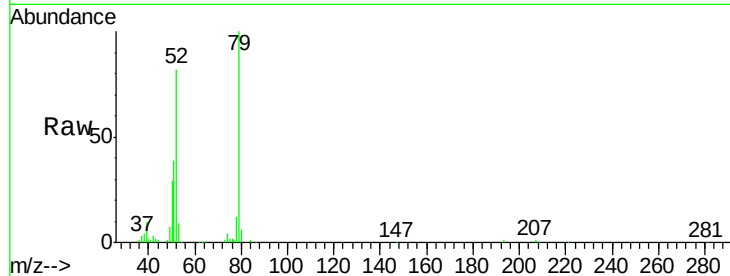
ClientSampleId :

MSP-BPMMS

Tgt Ion:	79	Resp:	307481
Ion	Ratio	Lower	Upper
79	100		
52	82.3	67.8	101.6
51	38.7	32.9	49.3

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 40.89 ng

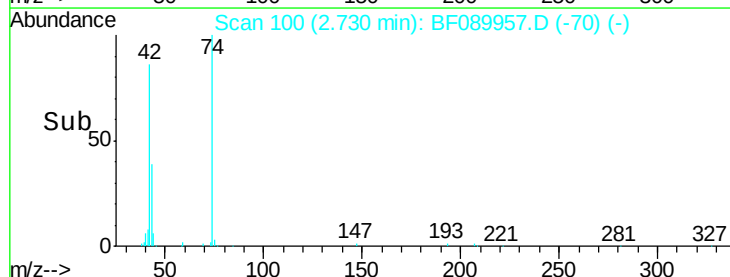
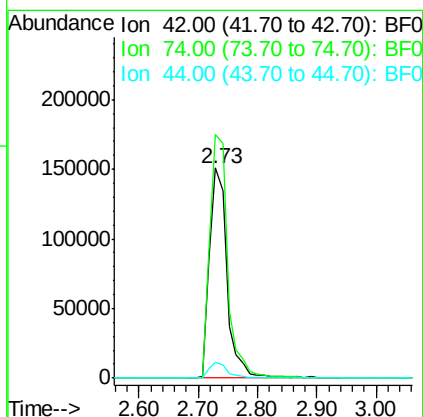
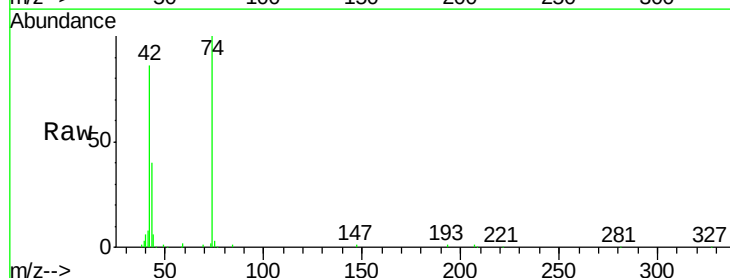
RT: 2.73 min Scan# 100

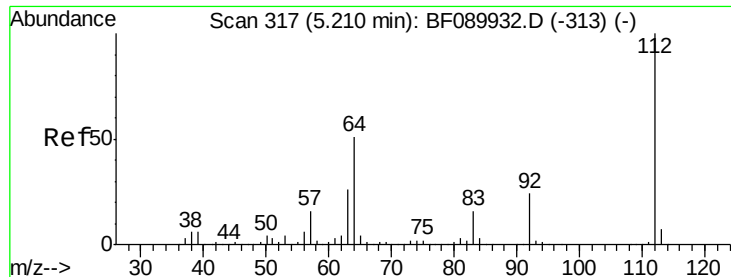
Delta R.T. 0.05 min

Lab File: BF089957.D

Acq: 31 Aug 2016 18:24

Tgt Ion:	42	Resp:	310030
Ion	Ratio	Lower	Upper
42	100		
74	116.1	92.0	138.0
44	7.2	5.8	8.8





#5

2-Fluorophenol

Concen: 108.22 ng

RT: 5.22 min Scan# 318

Delta R.T. 0.01 min

Lab File: BF089957.D

Acq: 31 Aug 2016 18:24

Instrument :

BNA_F

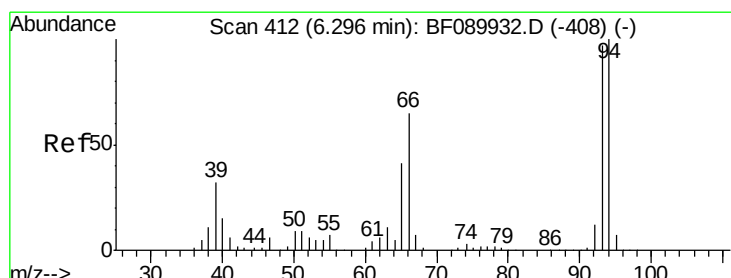
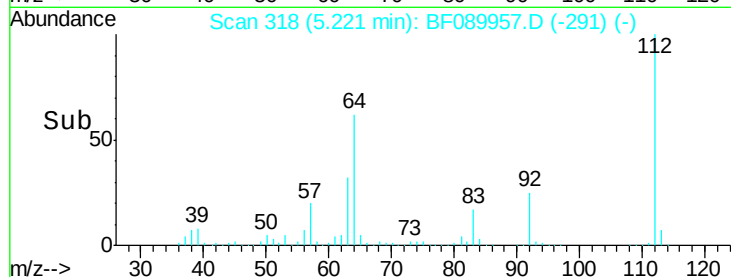
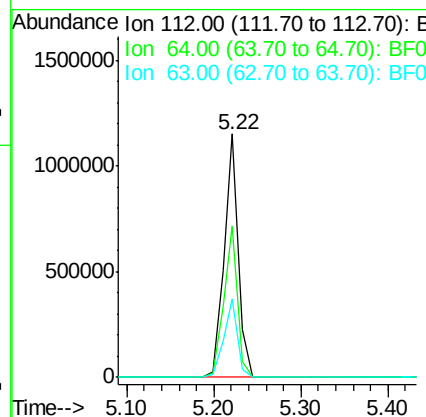
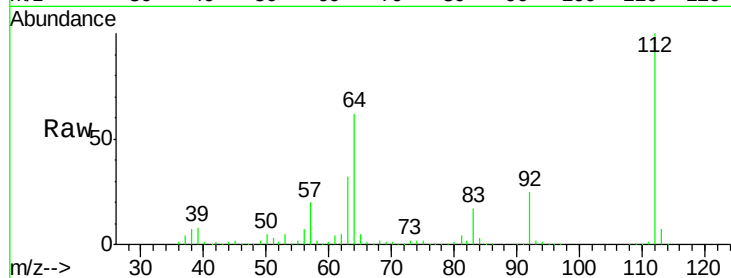
ClientSampleId :

MSP-BPMMS

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.1	41.1	61.7#
63	32.0	21.2	31.8#

Manual Integrations
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#6

Aniline

Concen: 28.04 ng

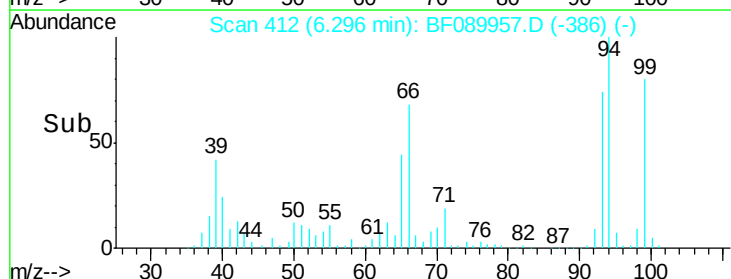
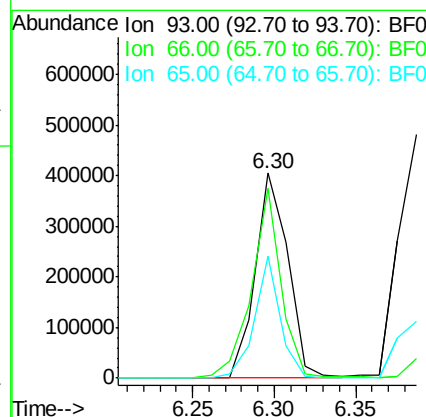
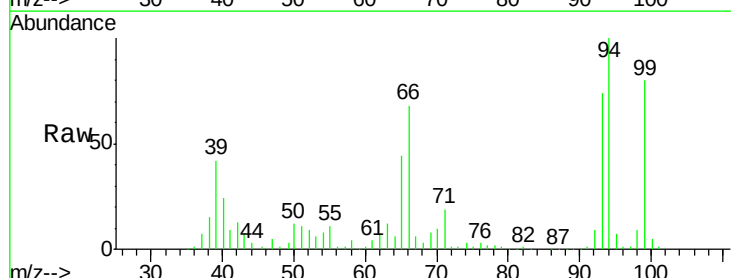
RT: 6.30 min Scan# 412

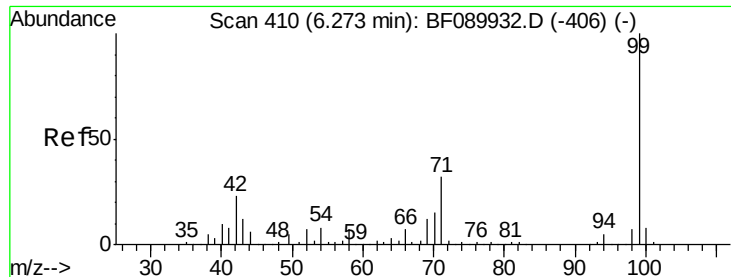
Delta R.T. 0.00 min

Lab File: BF089957.D

Acq: 31 Aug 2016 18:24

Tgt Ion	Ratio	Lower	Upper
93	100		
66	92.8	52.9	79.3#
65	59.7	33.0	49.6#





#7

Phenol-d6

Concen: 115.99 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.01 min

Lab File: BF089957.D

Acq: 31 Aug 2016 18:24

Instrument :

BNA_F

ClientSampleId :

MSP-BPMMS

Tgt Ion: 99 Resp: 1714483

Ion Ratio Lower Upper

99 100

42 22.3 18.6 27.8

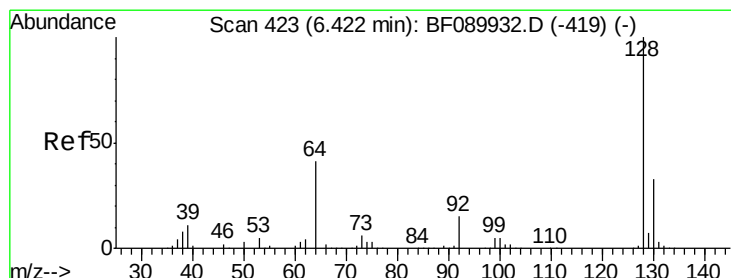
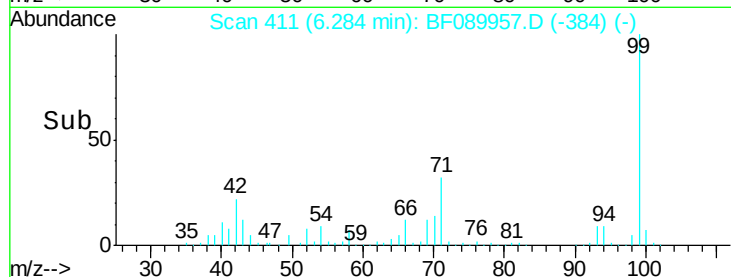
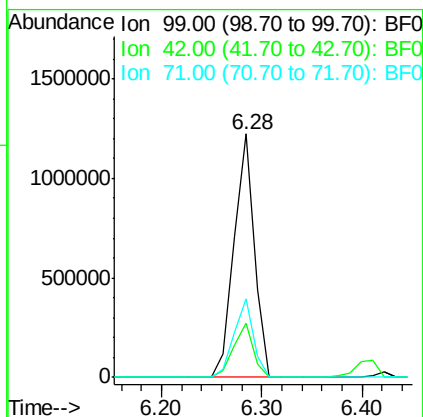
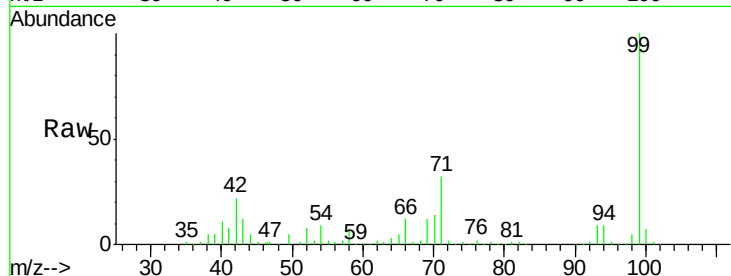
71 32.2 25.8 38.6

Manual Integrations

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#8

2-Chlorophenol

Concen: 37.99 ng

RT: 6.42 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF089957.D

Acq: 31 Aug 2016 18:24

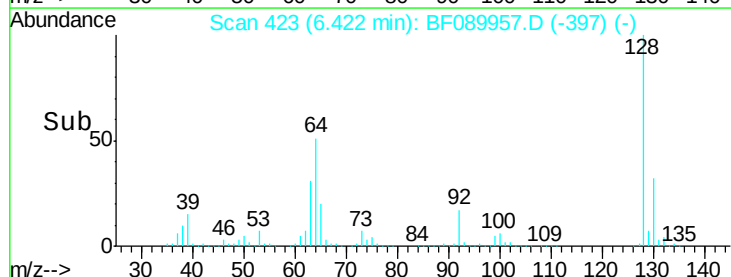
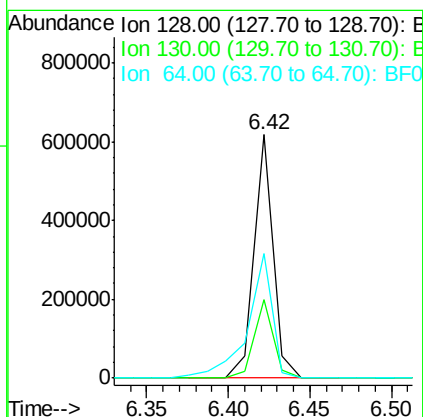
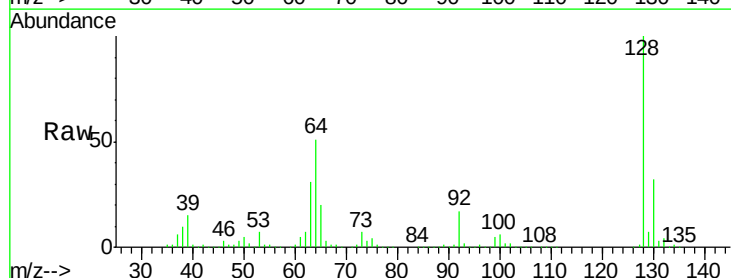
Tgt Ion: 128 Resp: 501357

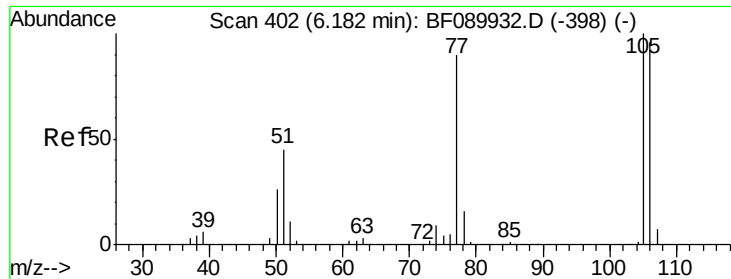
Ion Ratio Lower Upper

128 100

130 32.5 12.8 52.8

64 51.0 23.2 63.2





#9

Benzaldehyde

Concen: 10.94 ng

RT: 6.17 min Scan# 401

Delta R.T. -0.01 min

Lab File: BF089957.D

Acq: 31 Aug 2016 18:24

Instrument :

BNA_F

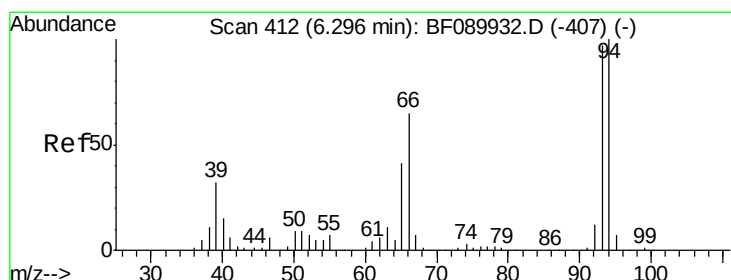
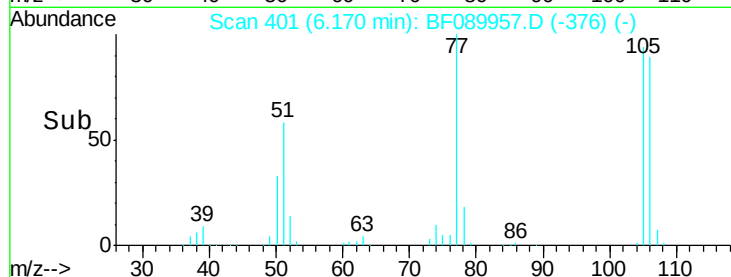
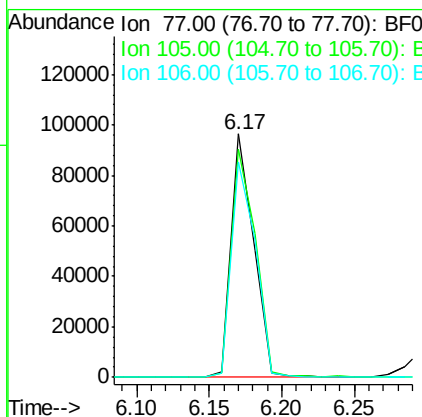
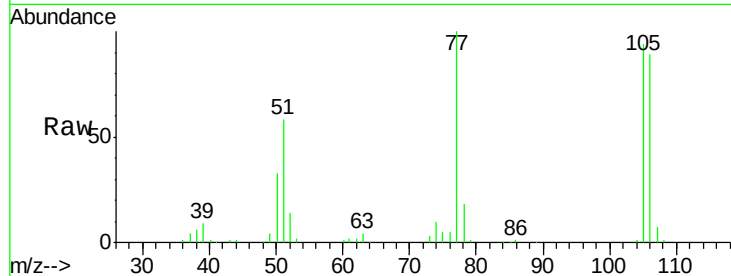
ClientSampleId :

MSP-BPMMS

Tgt Ion:	77	Resp:	104331
Ion Ratio	Lower	Upper	
77	100		
105	93.9	85.4	125.4
106	88.5	83.4	123.4

Manual Integrations
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#10

Phenol

Concen: 31.34 ng

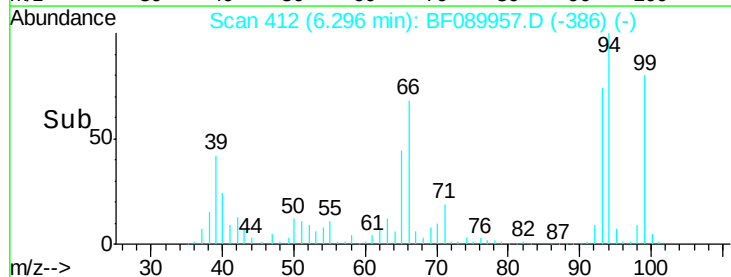
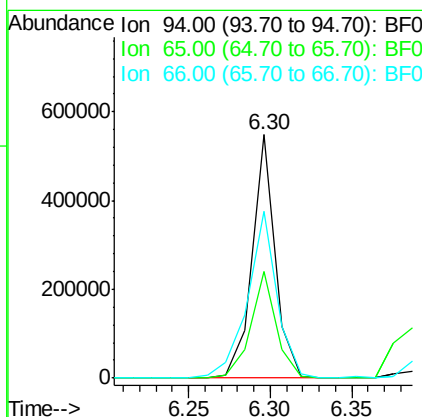
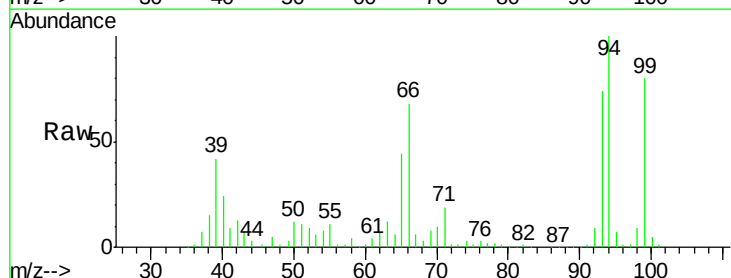
RT: 6.30 min Scan# 412

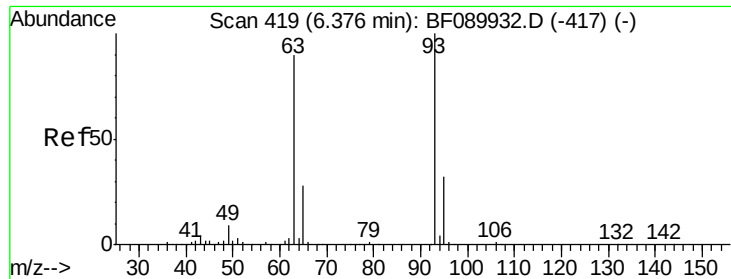
Delta R.T. 0.00 min

Lab File: BF089957.D

Acq: 31 Aug 2016 18:24

Tgt Ion:	94	Resp:	538633
Ion Ratio	Lower	Upper	
94	100		
65	44.0	23.2	63.2
66	68.4	49.2	89.2





#11

bis(2-Chloroethyl)ether

Concen: 39.75 ng

RT: 6.39 min Scan# 420

Delta R.T. 0.01 min

Lab File: BF089957.D

Acq: 31 Aug 2016 18:24

Instrument :

BNA_F

ClientSampleId :

MSP-BPMMS

Tgt Ion: 93 Resp: 516987
Ion Ratio Lower Upper

93 100

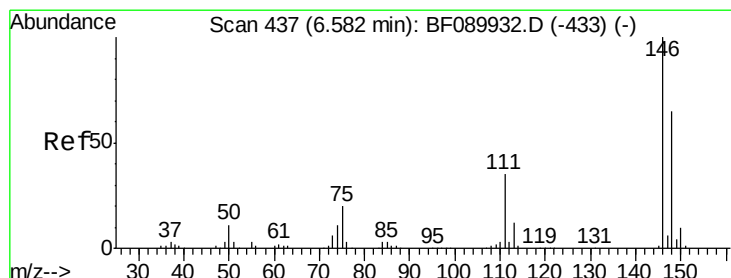
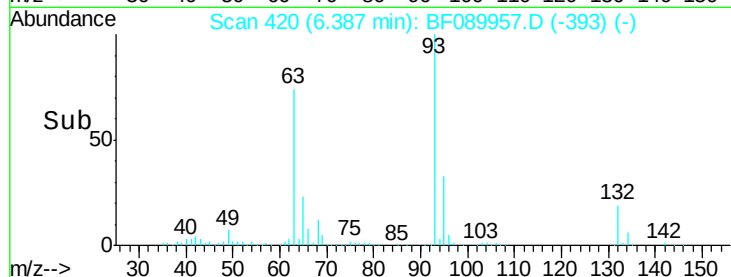
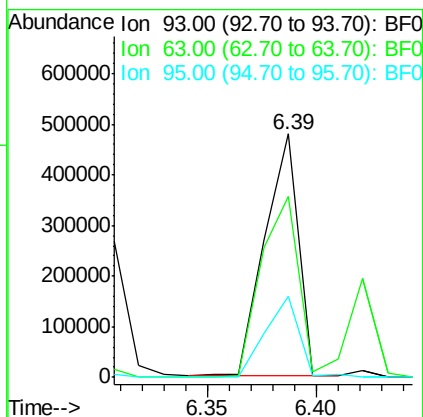
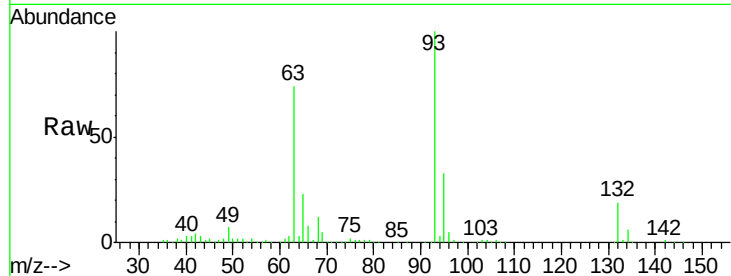
63 74.2 71.1 111.1

95 33.0 12.4 52.4

Manual Integrations
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#12

1,3-Dichlorobenzene

Concen: 38.93 ng

RT: 6.58 min Scan# 437

Delta R.T. 0.00 min

Lab File: BF089957.D

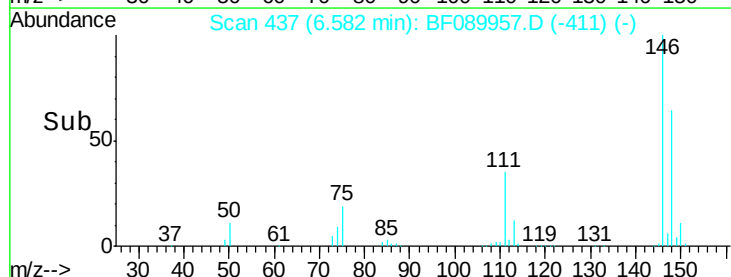
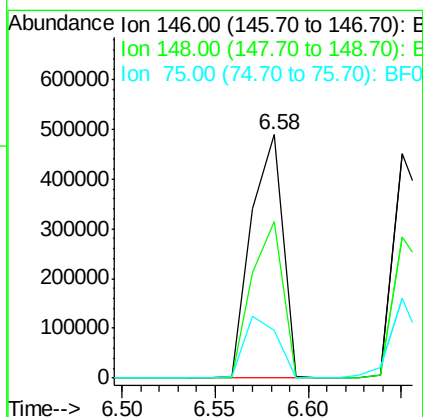
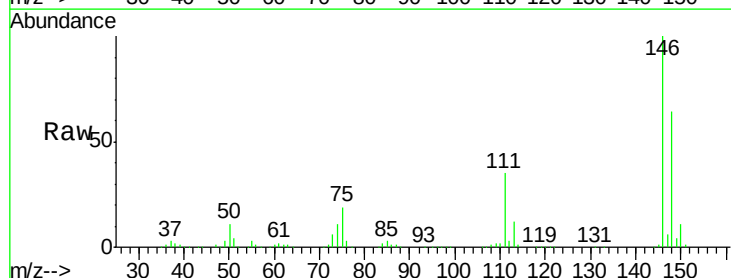
Acq: 31 Aug 2016 18:24

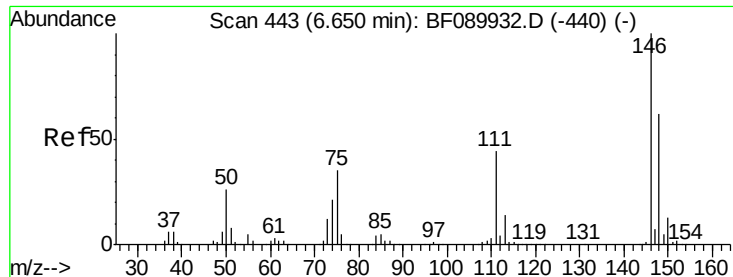
Tgt Ion: 146 Resp: 573742
Ion Ratio Lower Upper

146 100

148 64.2 52.5 78.7

75 19.4 16.6 24.8





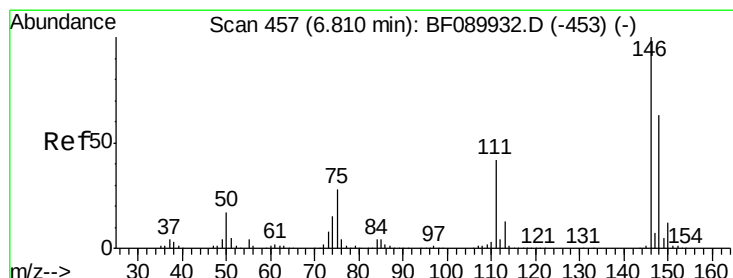
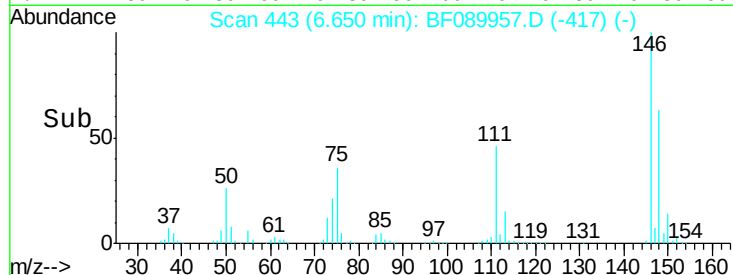
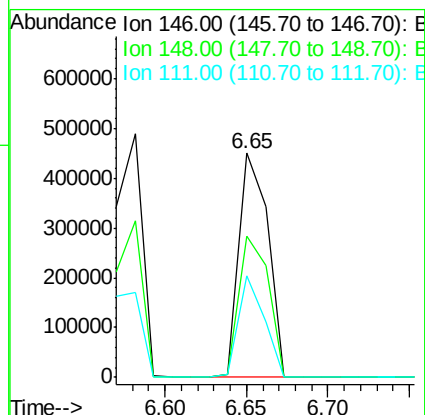
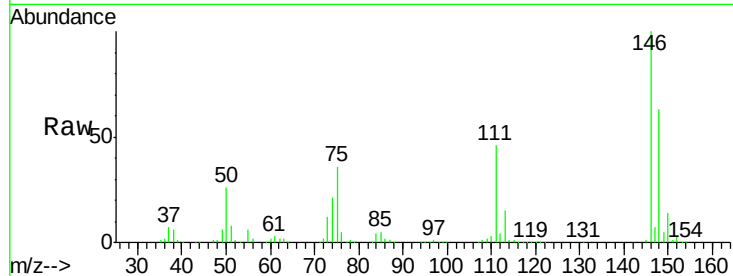
#13
 1,4-Dichlorobenzene
 Concen: 36.44 ng
 RT: 6.65 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: BF089957.D
 Acq: 31 Aug 2016 18:24

Instrument :
 BNA_F
 ClientSampleId :
 MSP-BPMMS

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.7	50.1	75.1
111	45.6	35.8	53.6

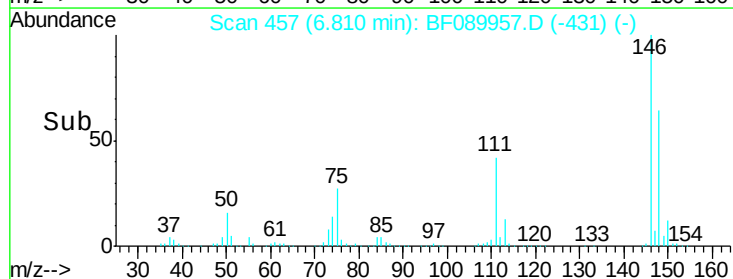
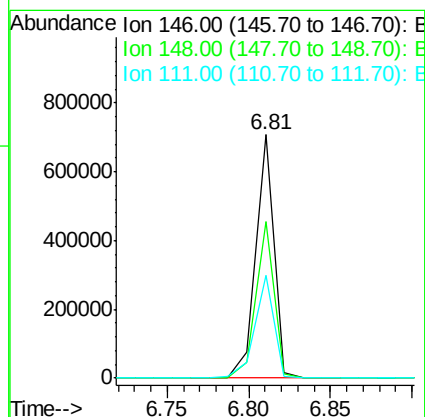
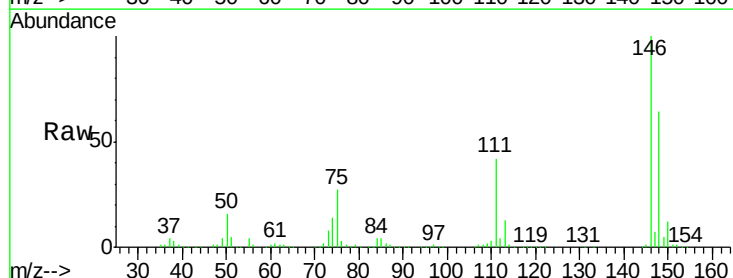
Manual Integrations
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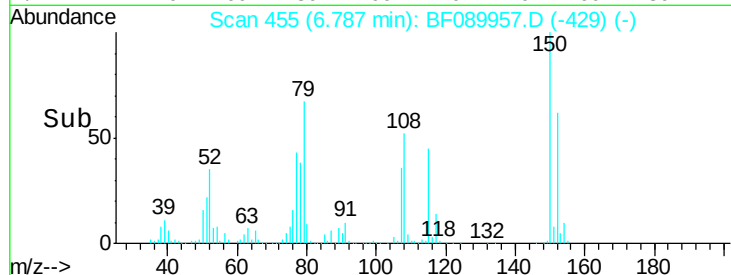
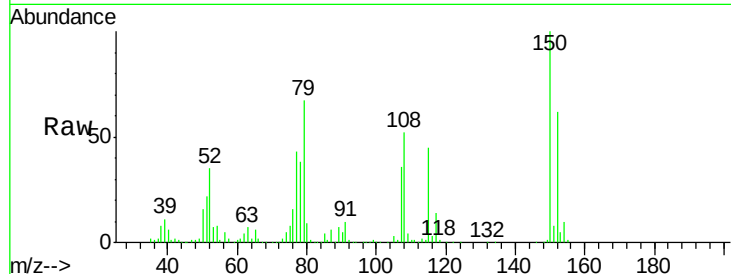
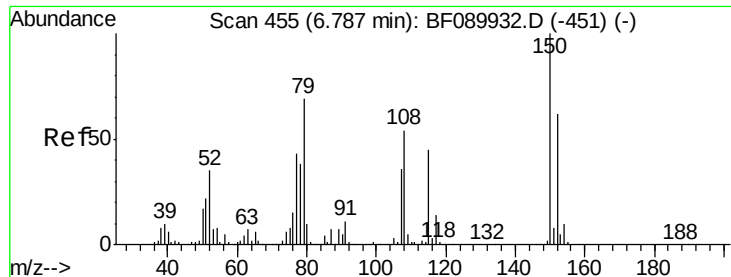
SOHIL
 9/1/2016 11:54:19 AM



#14
 1,2-Dichlorobenzene
 Concen: 40.64 ng
 RT: 6.81 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: BF089957.D
 Acq: 31 Aug 2016 18:24

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.4	77.2
111	42.0	34.6	51.8





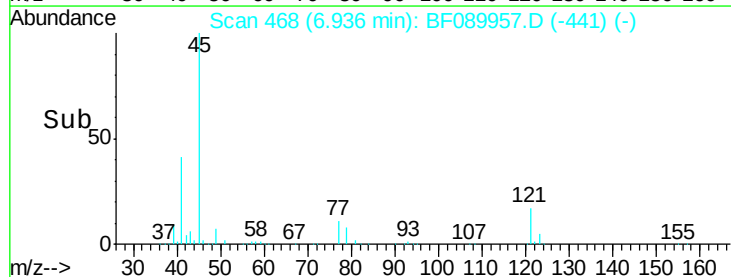
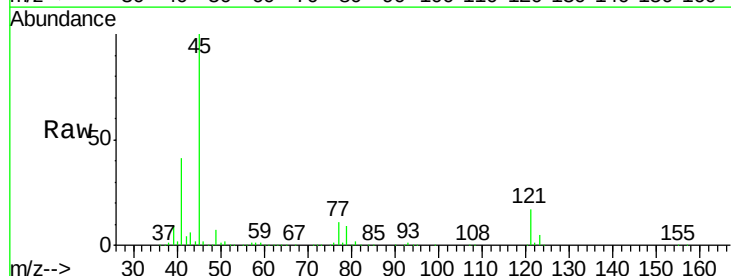
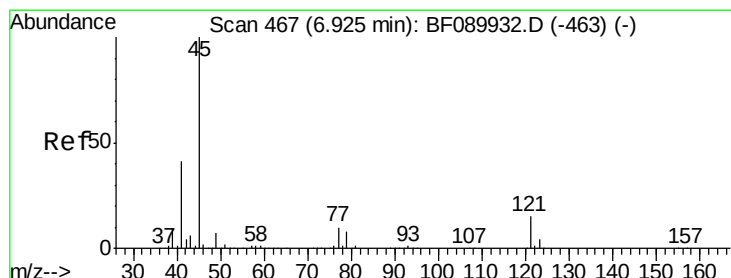
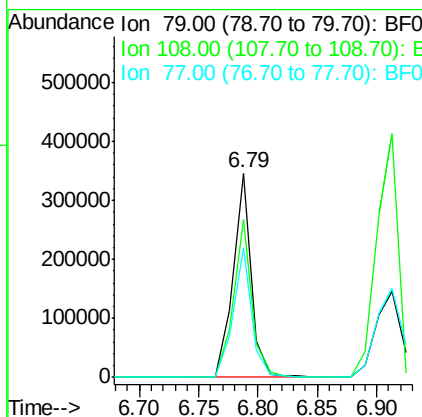
#15
Benzyl Alcohol
Concen: 39.70 ng
RT: 6.79 min Scan# 455
Delta R.T. 0.00 min
Lab File: BF089957.D
Acq: 31 Aug 2016 18:24

Tgt Ion	Ratio	Lower	Upper
79	100		
108	77.4	62.1	93.1
77	63.4	50.1	75.1

Instrument :
BNA_F
ClientSampleId :
MSP-BPMMS

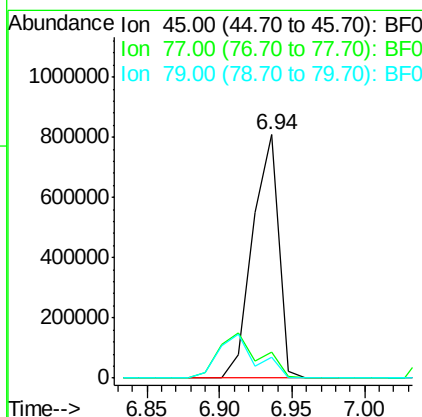
Manual Integrations
APPROVED

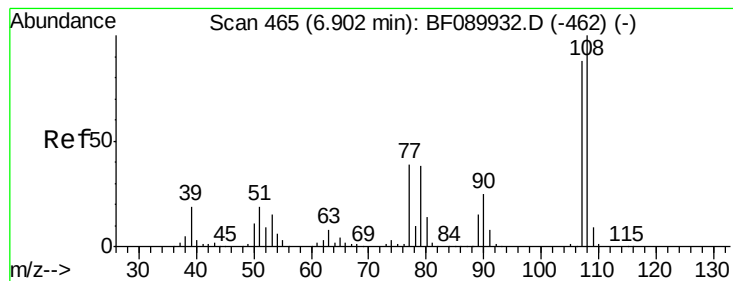
SOHIL
9/1/2016 11:54:19 AM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.46 ng
RT: 6.94 min Scan# 468
Delta R.T. 0.01 min
Lab File: BF089957.D
Acq: 31 Aug 2016 18:24

Tgt Ion	Ratio	Lower	Upper
45	100		
77	10.8	0.0	30.3
79	8.7	0.0	27.5





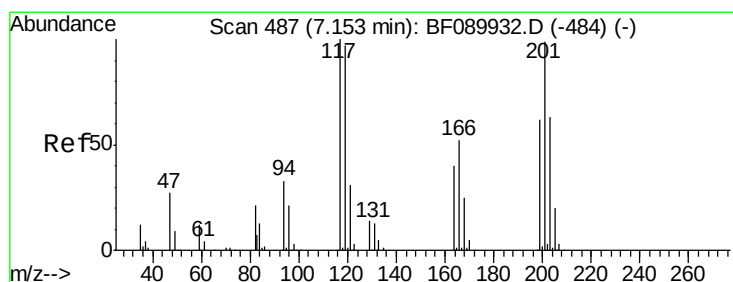
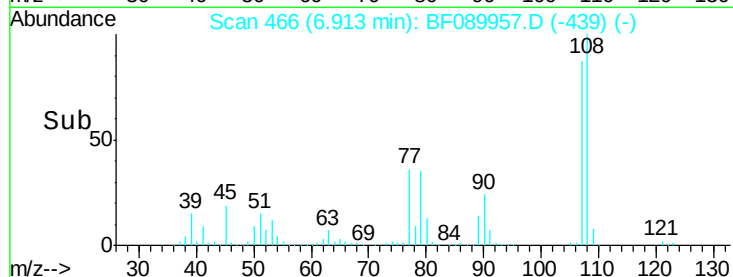
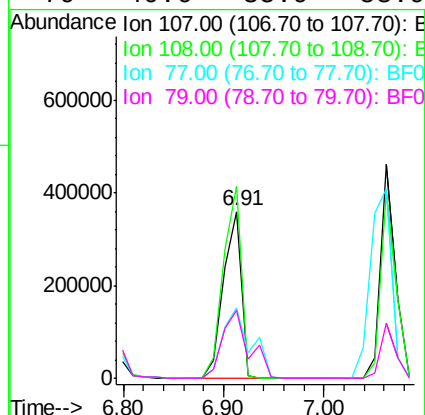
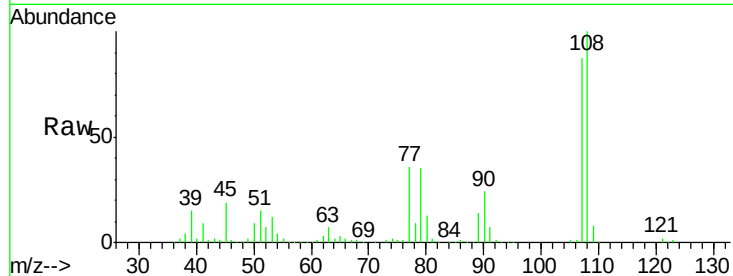
#17
2-Methylphenol
Concen: 42.13 ng
RT: 6.91 min Scan# 466
Delta R.T. 0.01 min
Lab File: BF089957.D
Acq: 31 Aug 2016 18:24

Instrument :
BNA_F
ClientSampleId :
MSP-BPMMS

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	444077		
108	115.0	91.8	137.6	
77	42.0	36.0	54.0	
79	40.6	35.9	53.9	

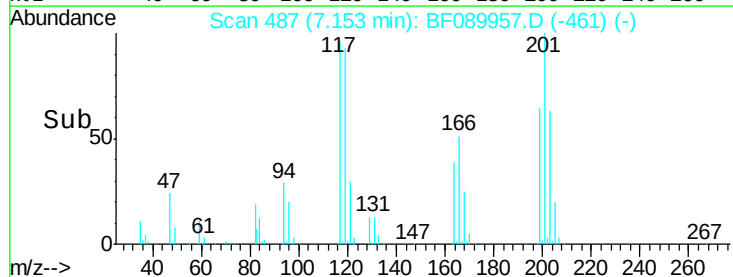
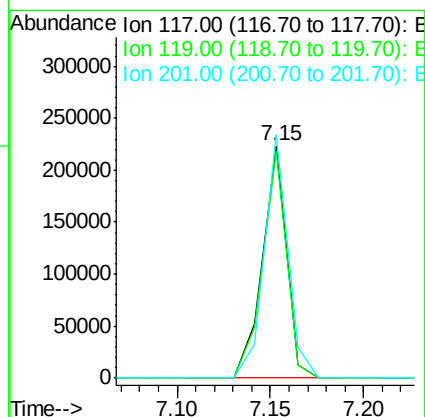
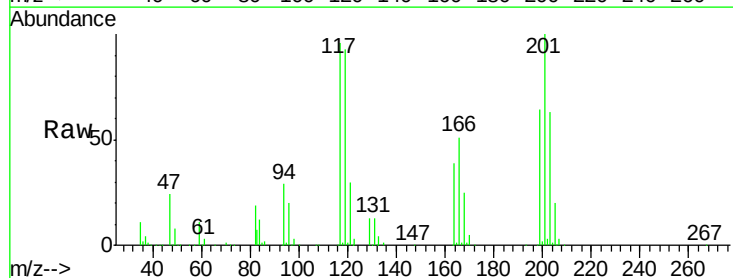
Manual Integrations
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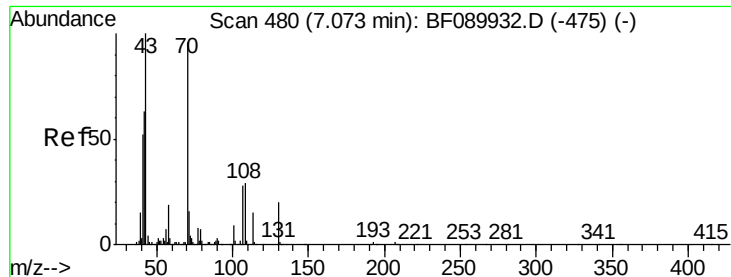
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9/1/2016 11:54:19 AM



#18
Hexachloroethane
Concen: 38.41 ng
RT: 7.15 min Scan# 487
Delta R.T. 0.00 min
Lab File: BF089957.D
Acq: 31 Aug 2016 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	198431		
119	97.8	76.2	114.2	
201	104.6	80.2	120.2	





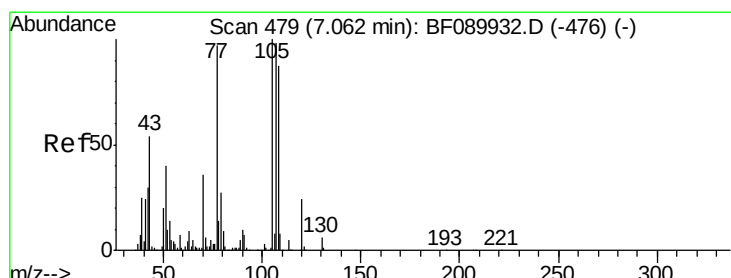
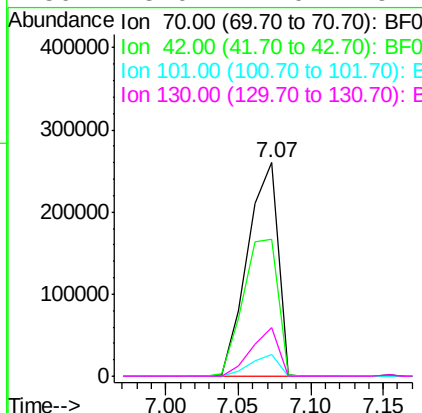
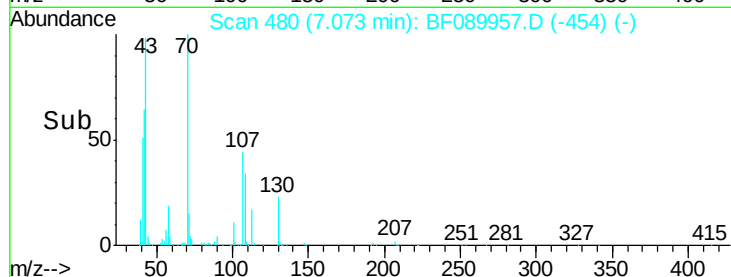
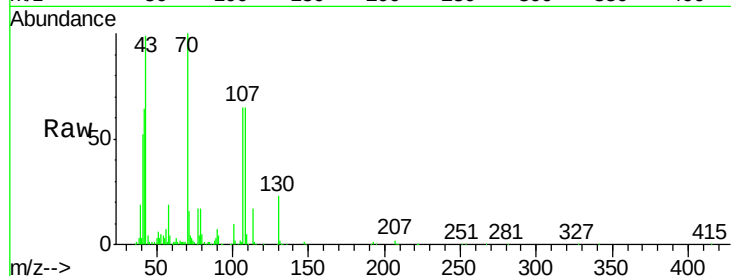
#19
n-Nitroso-di-n-propylamine
Concen: 39.42 ng
RT: 7.07 min Scan# 480
Delta R.T. 0.00 min
Lab File: BF089957.D
Acq: 31 Aug 2016 18:24

Instrument :
BNA_F
ClientSampleId :
MSP-BPMMS

Tgt Ion	Ratio	Lower	Upper
70	100		
42	64.2	52.1	78.1
101	10.5	7.4	11.2
130	23.0	17.0	25.4

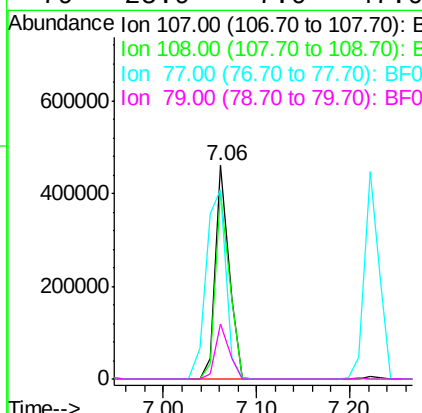
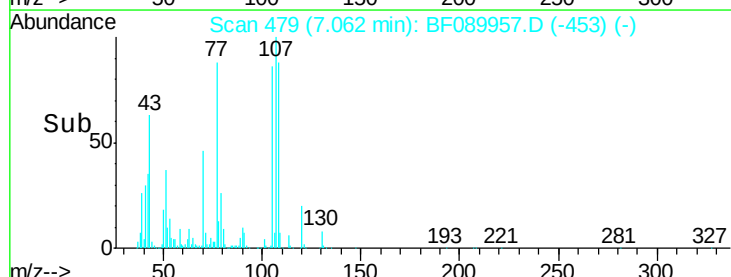
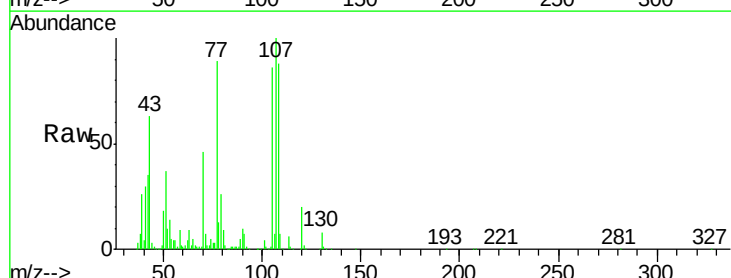
Manual Integrations
APPROVED

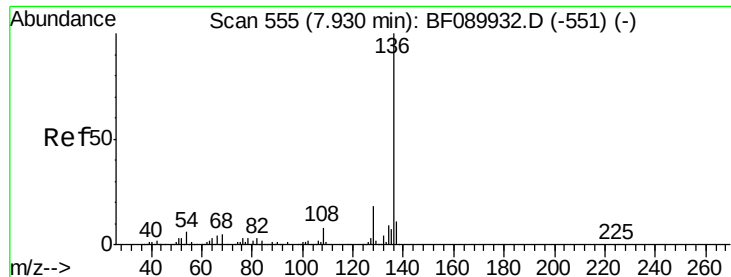
SOHIL
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#20
3+4-Methylphenols
Concen: 36.70 ng
RT: 7.06 min Scan# 479
Delta R.T. 0.00 min
Lab File: BF089957.D
Acq: 31 Aug 2016 18:24

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.6	70.2	110.2
77	88.6	75.7	115.7
79	25.9	7.0	47.0





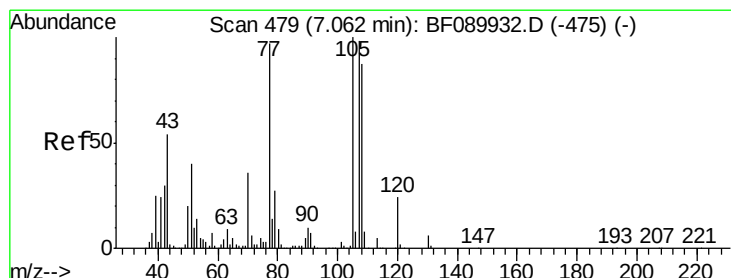
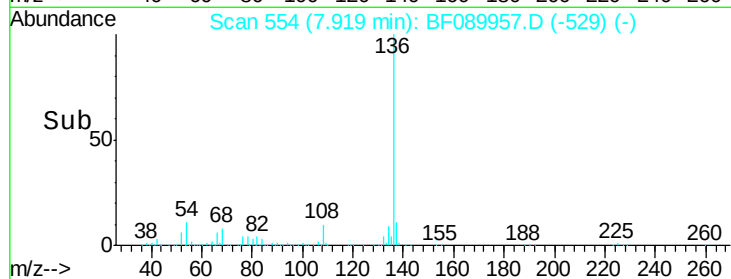
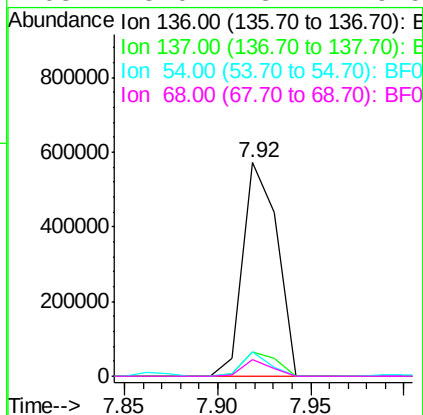
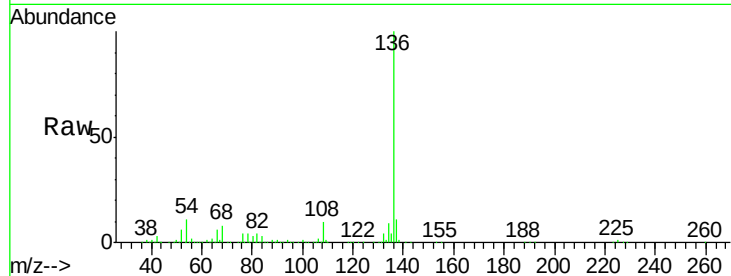
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.92 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF089957.D
Acq: 31 Aug 2016 18:24

Instrument :
BNA_F
ClientSampleId :
MSP-BPMMS

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	727569		
137	11.4	8.3	12.5	
54	11.5	4.8	7.2#	
68	8.0	3.7	5.5#	

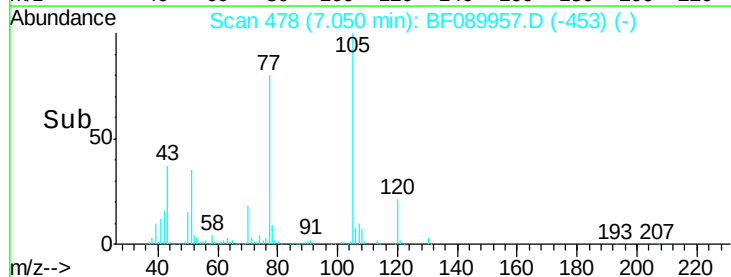
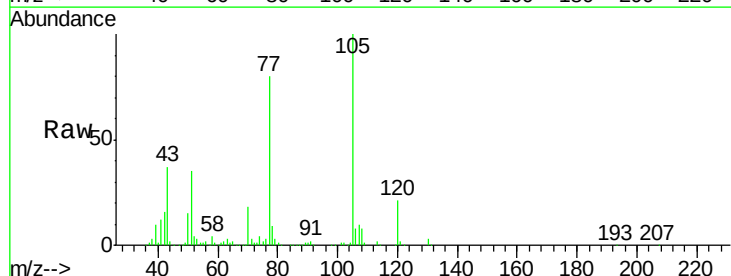
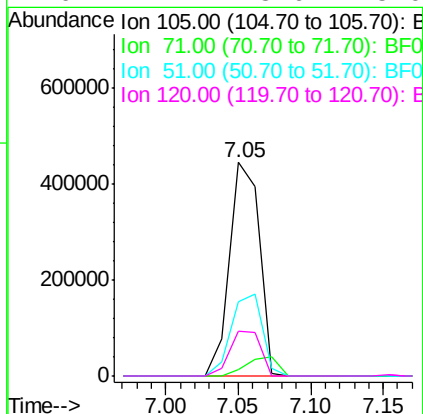
Manual Integrations
APPROVED

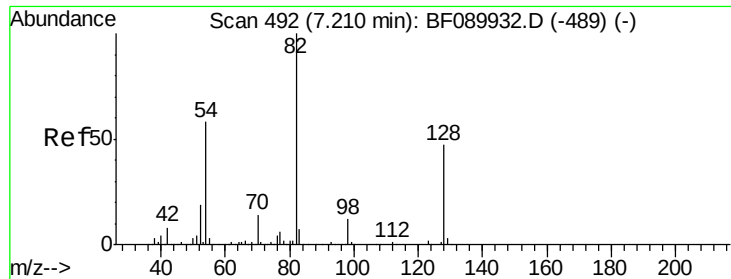
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#22
Acetophenone
Concen: 38.79 ng
RT: 7.05 min Scan# 478
Delta R.T. -0.01 min
Lab File: BF089957.D
Acq: 31 Aug 2016 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	633194		
71	3.1	5.3	7.9#	
51	34.9	32.6	48.8	
120	21.1	18.6	28.0	





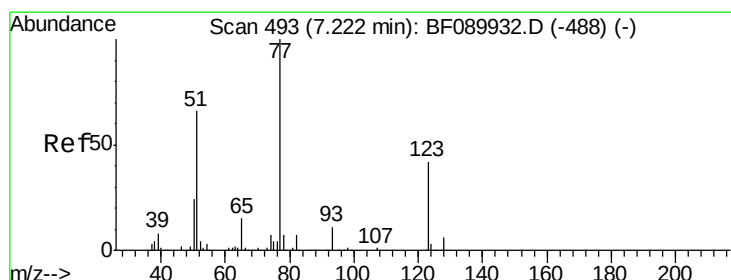
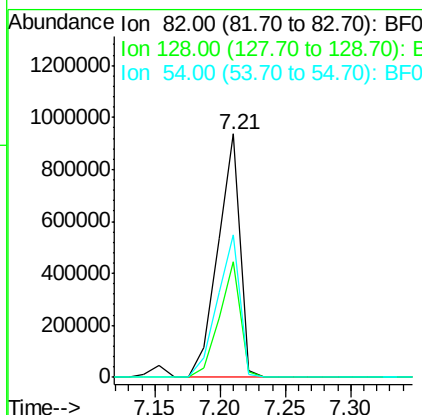
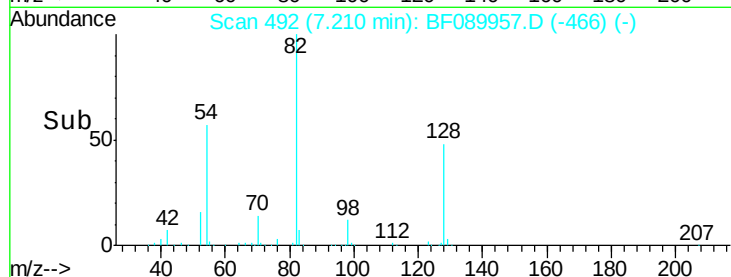
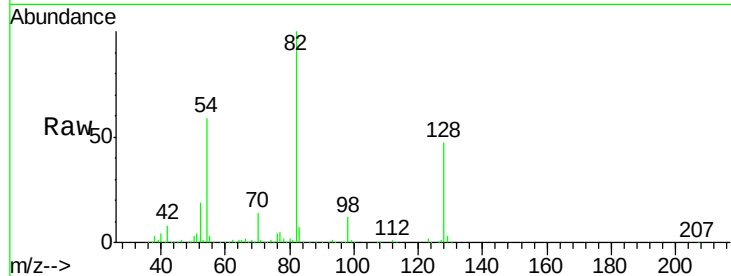
#23
 Nitrobenzene-d5
 Concen: 88.07 ng
 RT: 7.21 min Scan# 492
 Delta R.T. 0.00 min
 Lab File: BF089957.D
 Acq: 31 Aug 2016 18:24

Instrument :
 BNA_F
 ClientSampleId :
 MSP-BPMMS

Tgt Ion: 82 Resp: 1104921
 Ion Ratio Lower Upper
 82 100
 128 47.4 37.8 56.8
 54 58.5 46.9 70.3

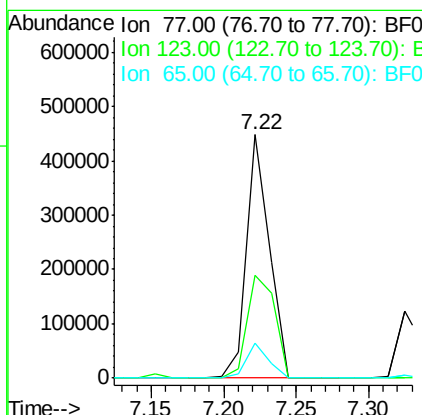
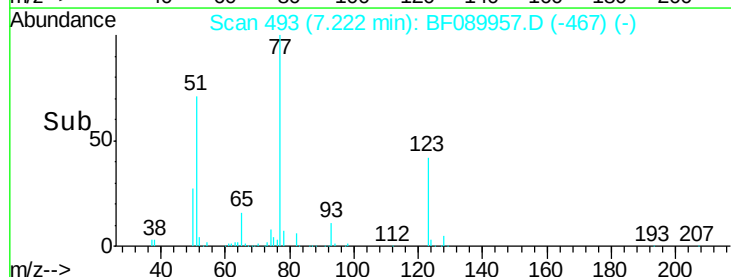
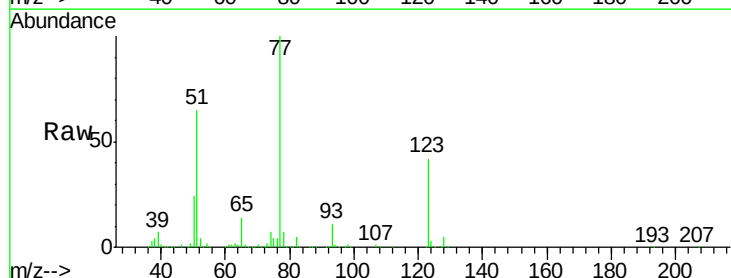
Manual Integrations
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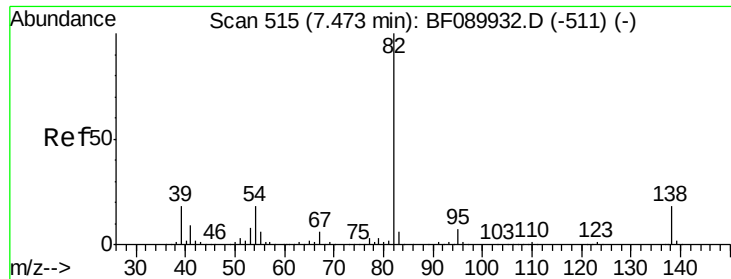
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#24
 Nitrobenzene
 Concen: 36.79 ng
 RT: 7.22 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: BF089957.D
 Acq: 31 Aug 2016 18:24

Tgt Ion: 77 Resp: 490668
 Ion Ratio Lower Upper
 77 100
 123 42.5 32.0 48.0
 65 14.4 11.2 16.8





#25

Isophorone

Concen: 40.30 ng

RT: 7.47 min Scan# 515

Delta R.T. 0.00 min

Lab File: BF089957.D

Acq: 31 Aug 2016 18:24

Instrument :

BNA_F

ClientSampleId :

MSP-BPMMS

Tgt Ion: 82 Resp: 1028222

Ion Ratio Lower Upper

82 100

95 6.8 5.5 8.3

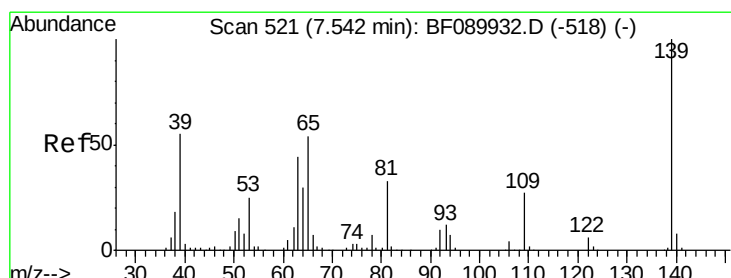
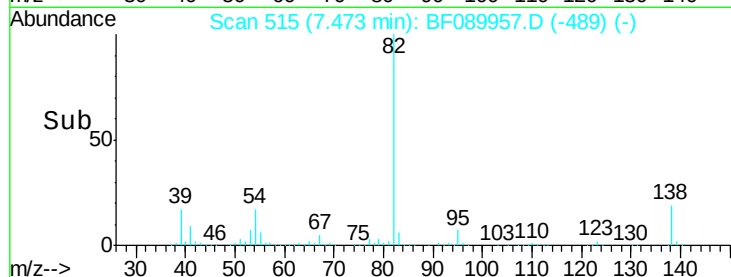
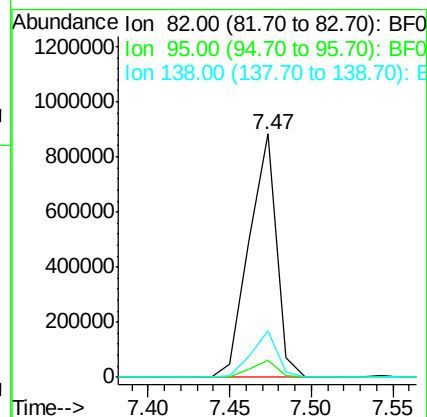
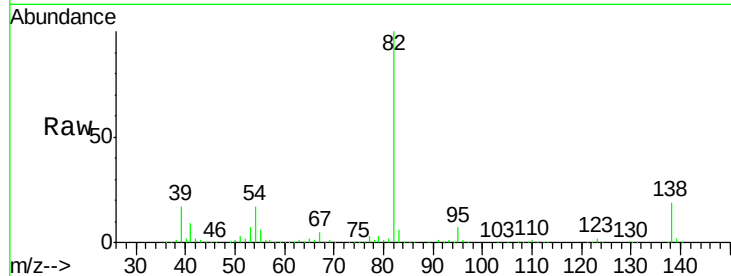
138 19.2 14.4 21.6

Manual Integrations

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#26

2-Nitrophenol

Concen: 42.31 ng

RT: 7.54 min Scan# 521

Delta R.T. 0.00 min

Lab File: BF089957.D

Acq: 31 Aug 2016 18:24

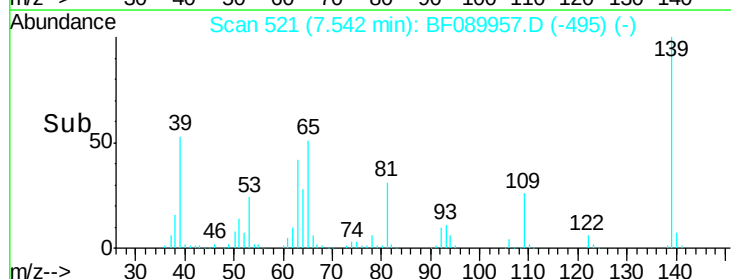
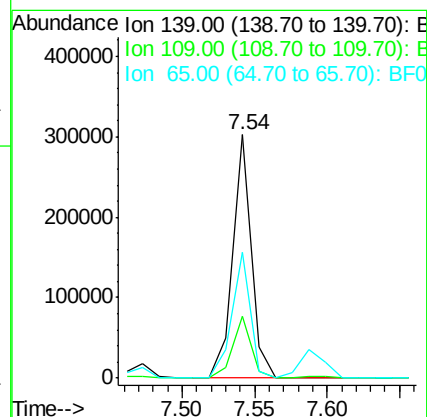
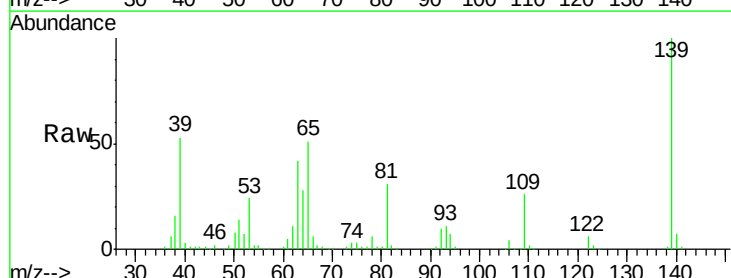
Tgt Ion: 139 Resp: 269759

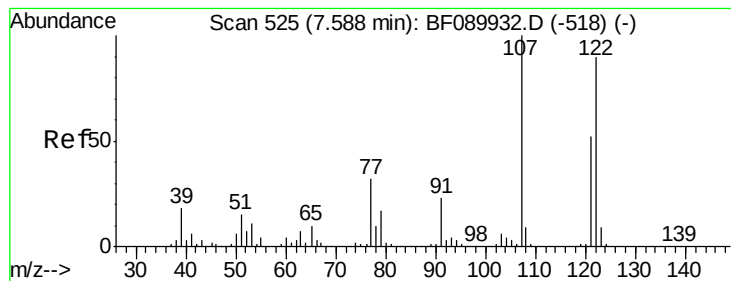
Ion Ratio Lower Upper

139 100

109 25.6 21.0 31.4

65 51.5 43.4 65.0





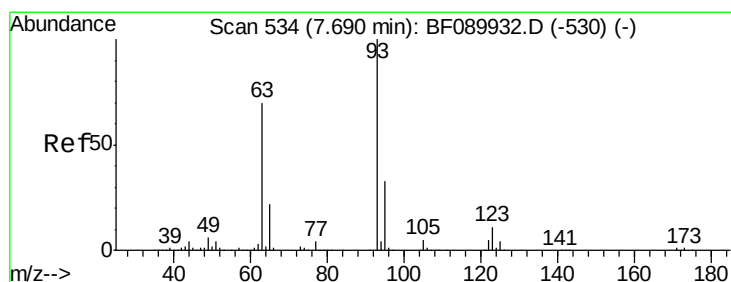
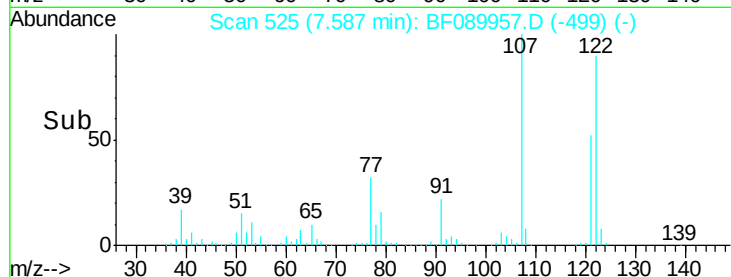
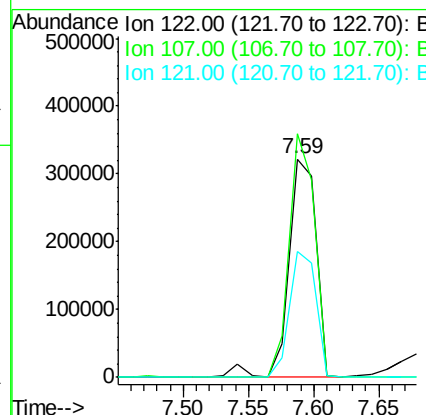
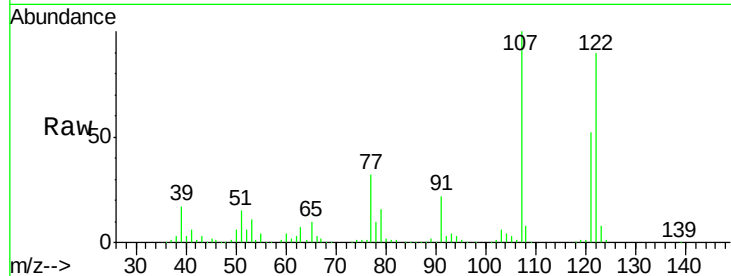
#27
 2,4-Dimethylphenol
 Concen: 40.58 ng
 RT: 7.59 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: BF089957.D
 Acq: 31 Aug 2016 18:24

Instrument :
 BNA_F
 ClientSampleId :
 MSP-BPMMS

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	478618		
107	111.4	88.5	132.7	
121	57.5	46.0	69.0	

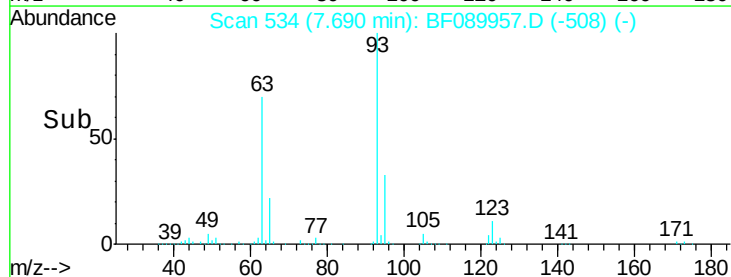
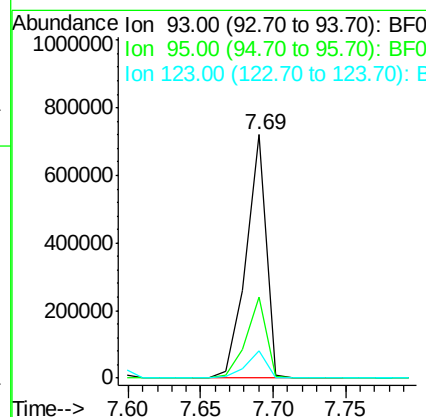
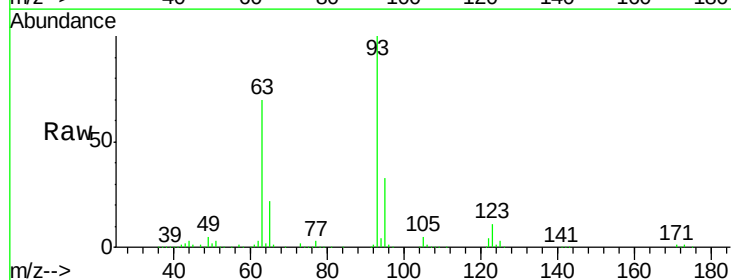
Manual Integrations
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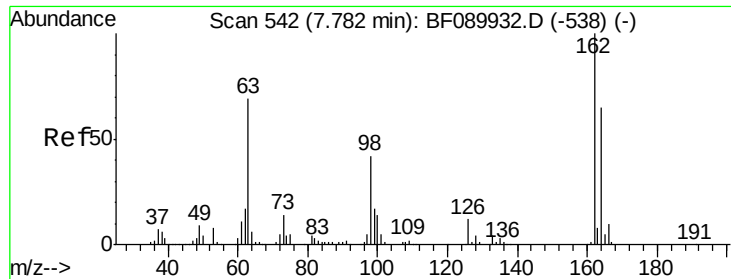
SOHIL
 9/1/2016 11:54:19 AM



#28
 bis(2-Chloroethoxy)methane
 Concen: 45.12 ng
 RT: 7.69 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: BF089957.D
 Acq: 31 Aug 2016 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	694224		
95	33.2	26.6	40.0	
123	11.4	9.1	13.7	





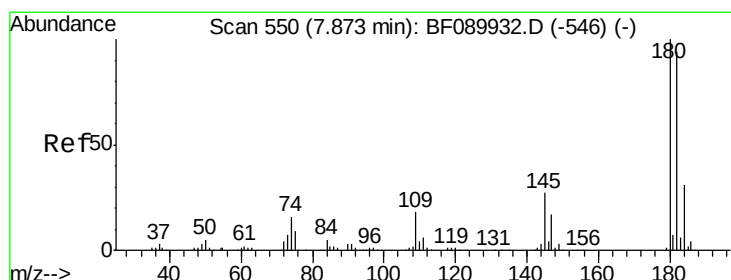
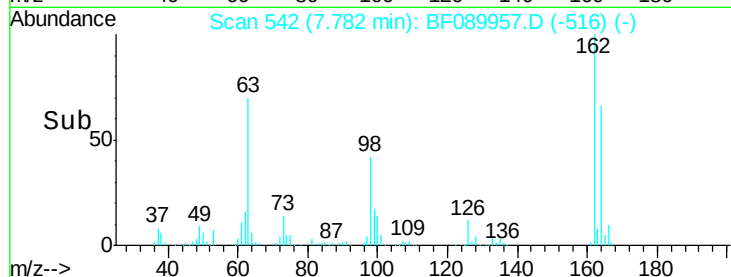
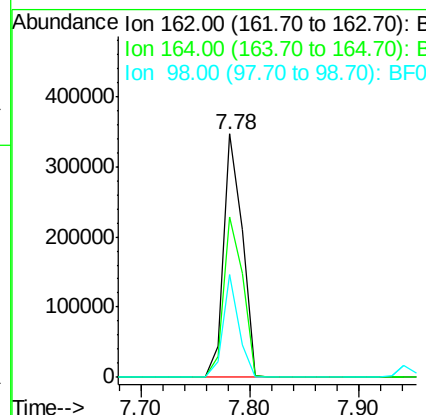
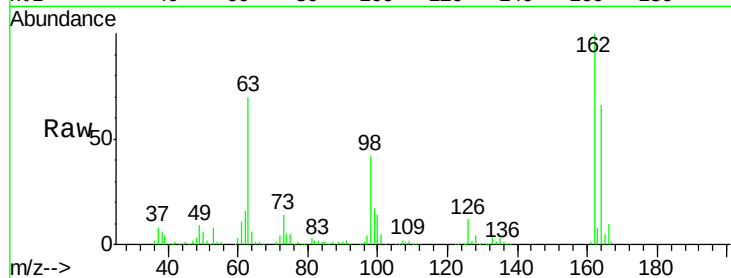
#29
2,4-Dichlorophenol
Concen: 39.41 ng
RT: 7.78 min Scan# 542
Delta R.T. 0.00 min
Lab File: BF089957.D
Acq: 31 Aug 2016 18:24

Instrument :
BNA_F
ClientSampleId :
MSP-BPMMS

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	416662		
164	65.7	46.6	86.6	
98	42.0	22.0	62.0	

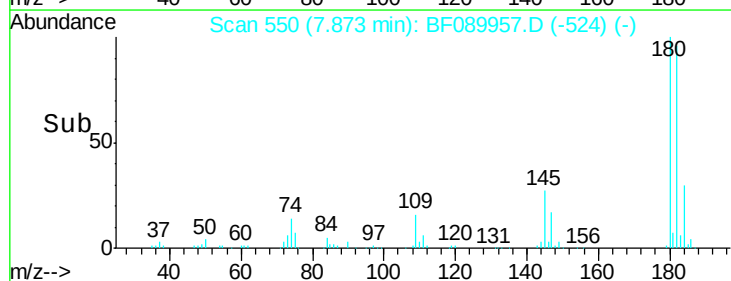
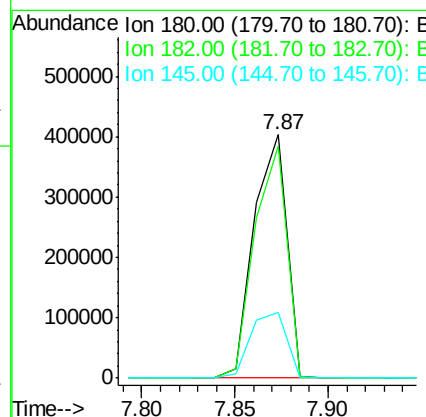
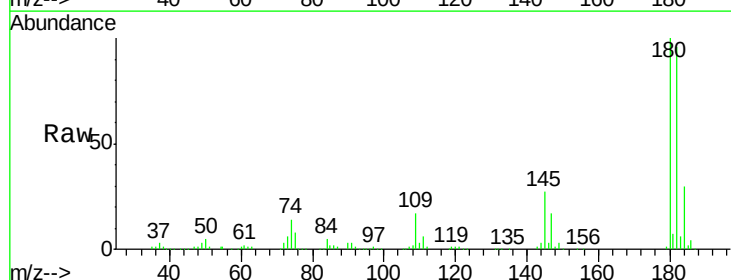
Manual Integrations
APPROVED

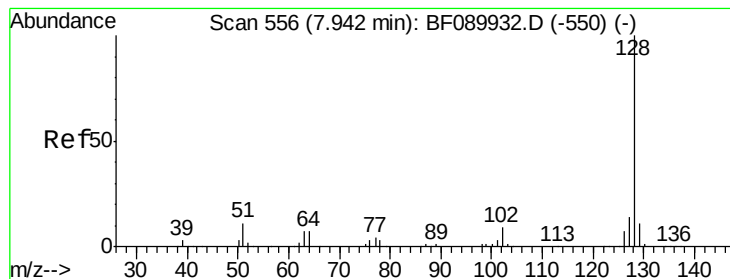
SOHIL
9/1/2016 11:54:19 AM



#30
1,2,4-Trichlorobenzene
Concen: 42.35 ng
RT: 7.87 min Scan# 550
Delta R.T. 0.00 min
Lab File: BF089957.D
Acq: 31 Aug 2016 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	489471		
182	95.5	76.2	114.2	
145	26.8	22.2	33.4	





#31

Naphthalene

Concen: 37.80 ng

RT: 7.94 min Scan# 556

Delta R.T. 0.00 min

Lab File: BF089957.D

Acq: 31 Aug 2016 18:24

Instrument :

BNA_F

ClientSampleId :

MSP-BPMMS

Tgt Ion:128 Resp: 1369961

Ion Ratio Lower Upper

128 100

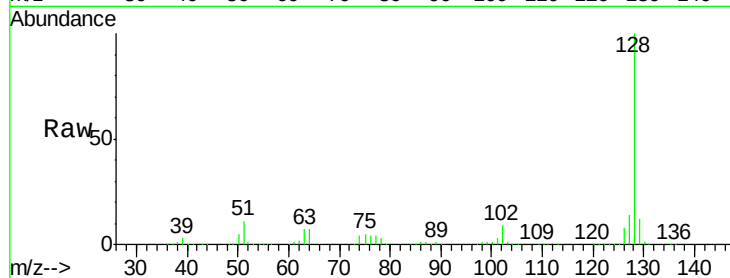
129 11.7 9.4 14.0

127 13.8 10.7 16.1

Manual Integrations
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SOHIL

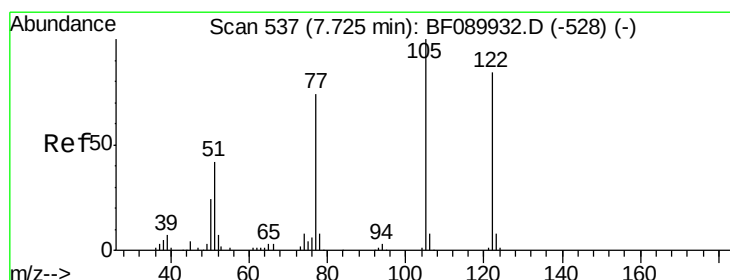
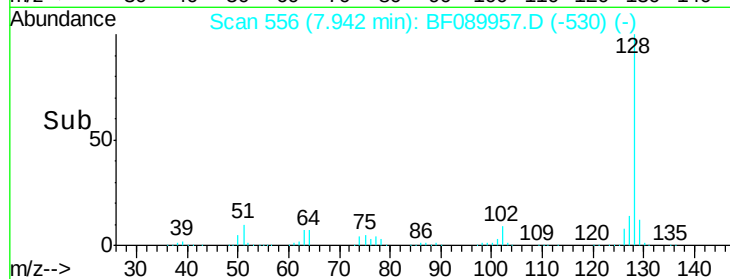
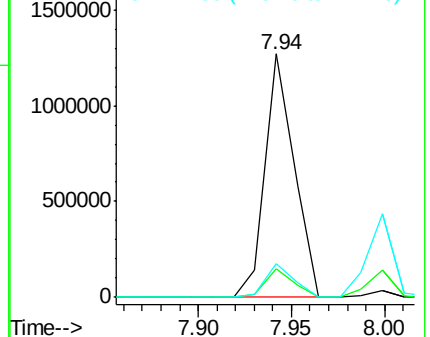
9/1/2016 11:54:19 AM



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 11.41 ng

RT: 7.68 min Scan# 533

Delta R.T. -0.05 min

Lab File: BF089957.D

Acq: 31 Aug 2016 18:24

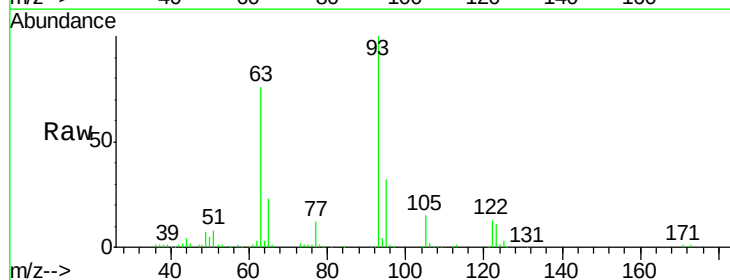
Tgt Ion:122 Resp: 90609

Ion Ratio Lower Upper

122 100

105 111.1 102.2 142.2

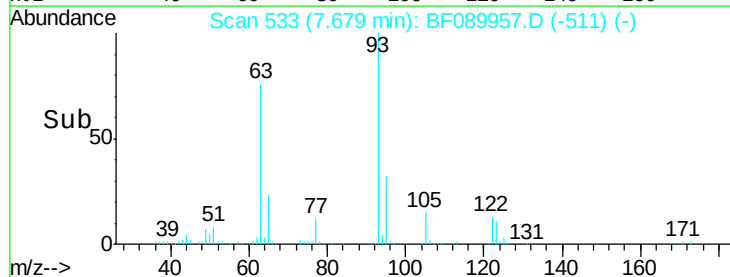
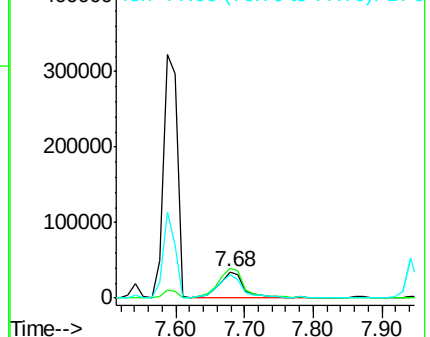
77 88.1 74.1 114.1

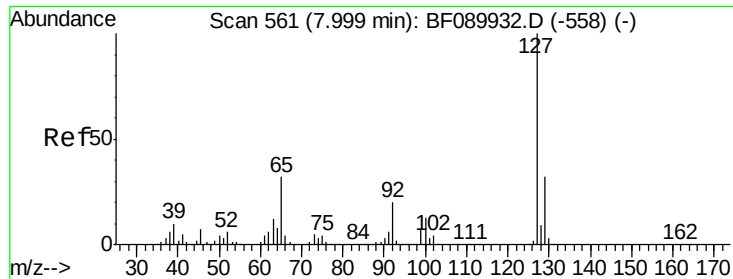


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





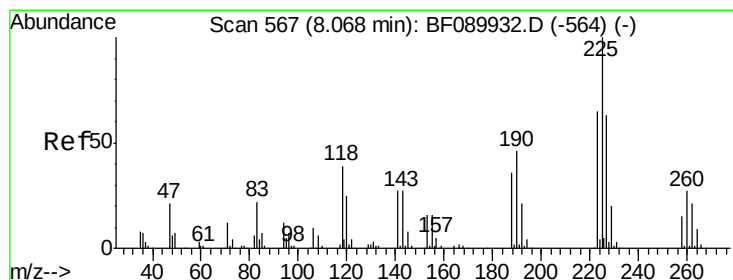
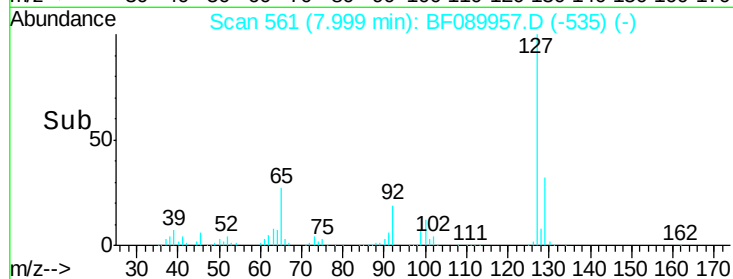
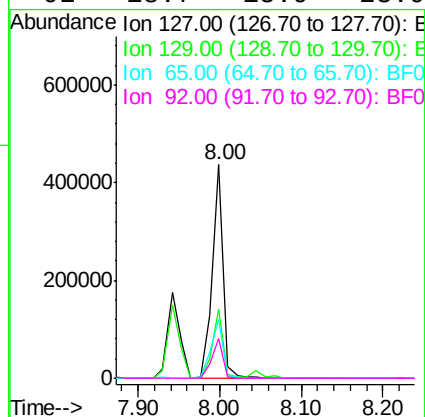
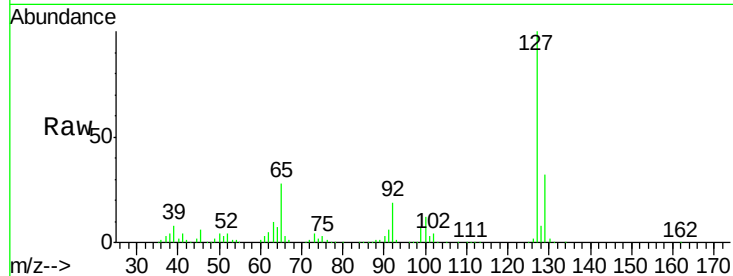
#33
4-Chloroaniline
Concen: 28.45 ng
RT: 8.00 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF089957.D
Acq: 31 Aug 2016 18:24

Instrument :
BNA_F
ClientSampleId :
MSP-BPMMS

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	416016		
129	32.3	25.9	38.9	
65	27.7	26.0	39.0	
92	18.7	15.9	23.9	

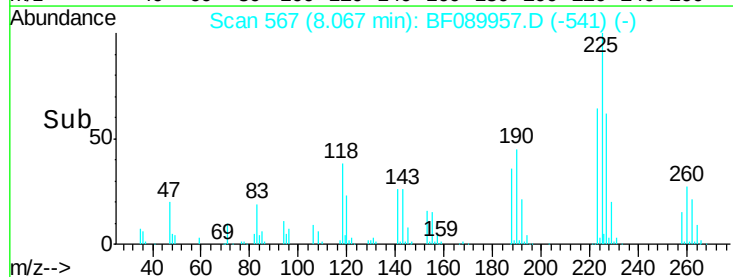
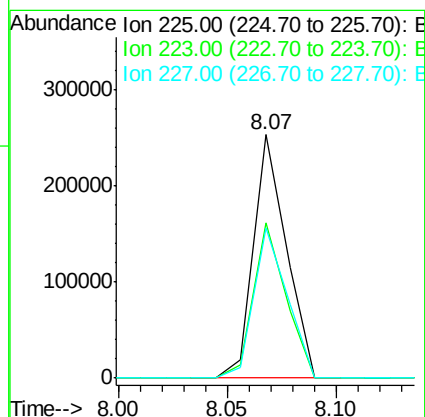
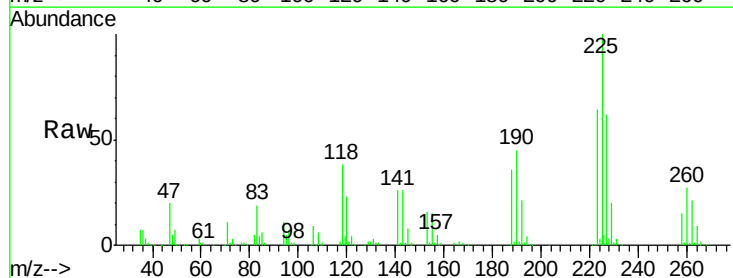
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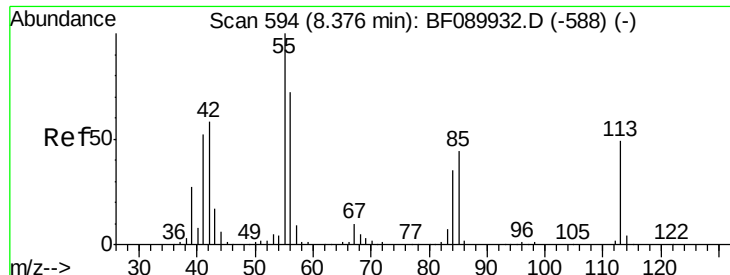
SOHIL
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#34
Hexachlorobutadiene
Concen: 39.27 ng
RT: 8.07 min Scan# 567
Delta R.T. 0.00 min
Lab File: BF089957.D
Acq: 31 Aug 2016 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	266017		
223	63.6	52.6	78.8	
227	61.6	50.8	76.2	





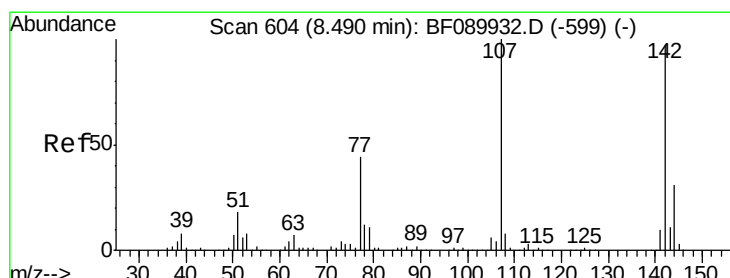
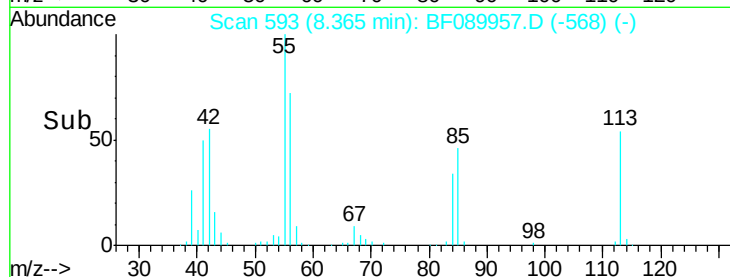
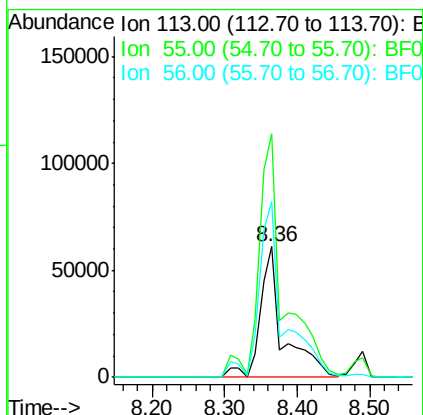
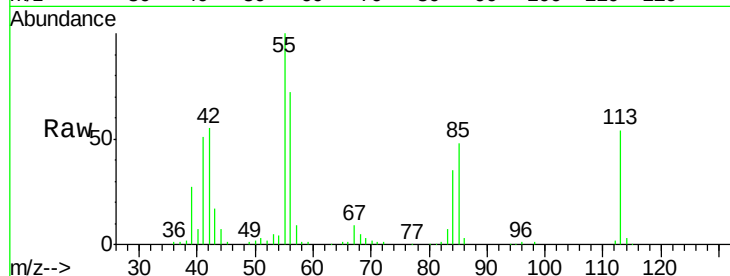
#35
 Caprolactam
 Concen: 41.21 ng
 RT: 8.36 min Scan# 593
 Delta R.T. -0.01 min
 Lab File: BF089957.D
 Acq: 31 Aug 2016 18:24

Instrument :
 BNA_F
 ClientSampleId :
 MSP-BPMMS

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	137518		
55	186.0	178.5	218.5	
56	134.8	122.7	162.7	

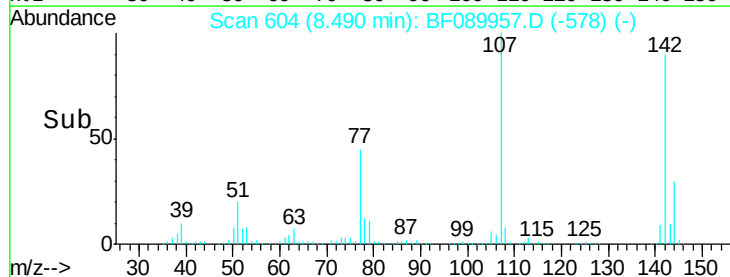
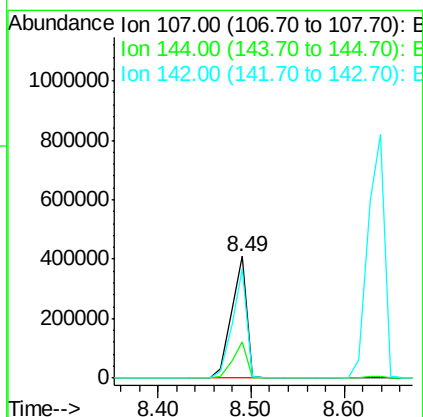
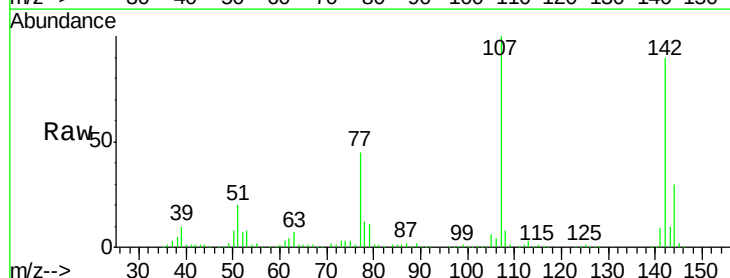
Manual Integrations
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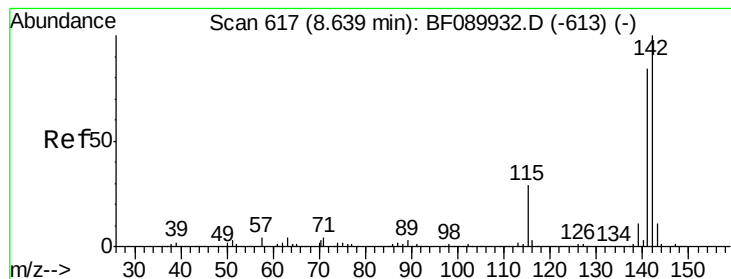
SOHIL
 9/1/2016 11:54:19 AM



#36
 4-Chloro-3-methylphenol
 Concen: 41.81 ng
 RT: 8.49 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: BF089957.D
 Acq: 31 Aug 2016 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	468135		
144	29.5	25.8	38.8	
142	89.9	79.2	118.8	





#37

2-Methylnaphthalene

Concen: 42.40 ng

RT: 8.64 min Scan# 617

Delta R.T. 0.00 min

Lab File: BF089957.D

Acq: 31 Aug 2016 18:24

Instrument :

BNA_F

ClientSampleId :

MSP-BPMMS

Tgt Ion:142 Resp: 1015579

Ion Ratio Lower Upper

142 100

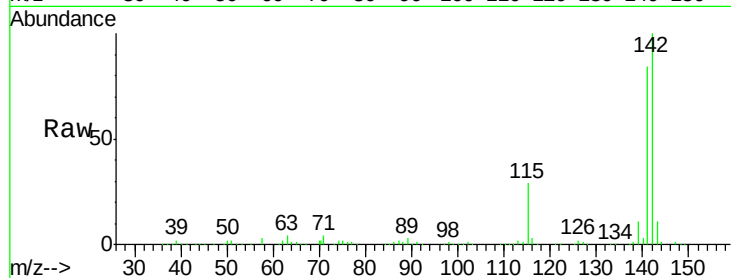
141 84.3 68.3 102.5

115 28.6 23.8 35.8

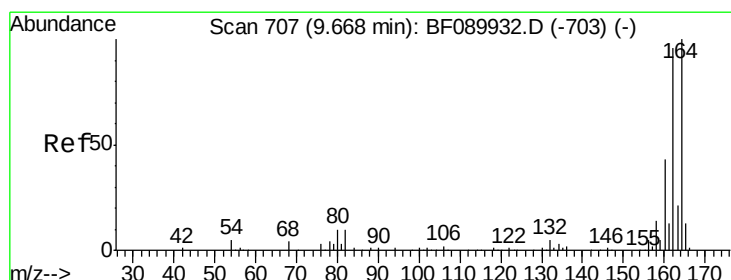
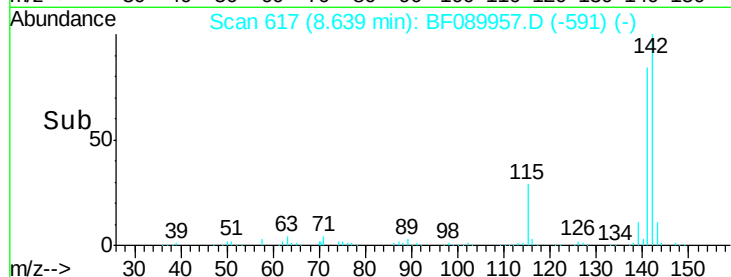
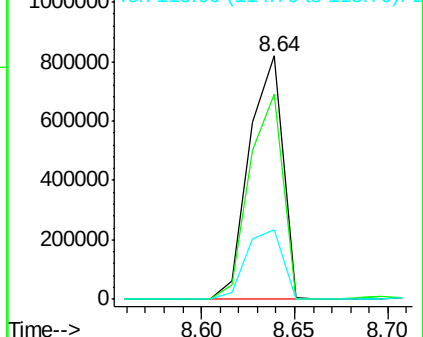
Manual Integrations
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Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.67 min Scan# 707

Delta R.T. 0.00 min

Lab File: BF089957.D

Acq: 31 Aug 2016 18:24

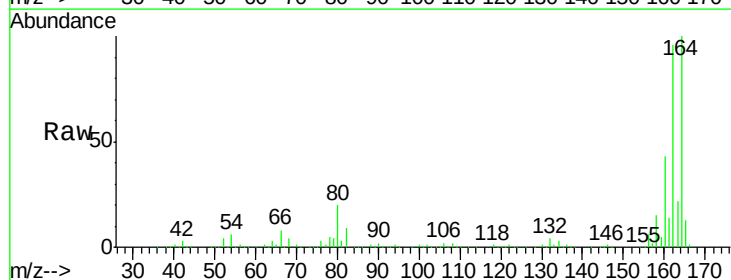
Tgt Ion:164 Resp: 349629

Ion Ratio Lower Upper

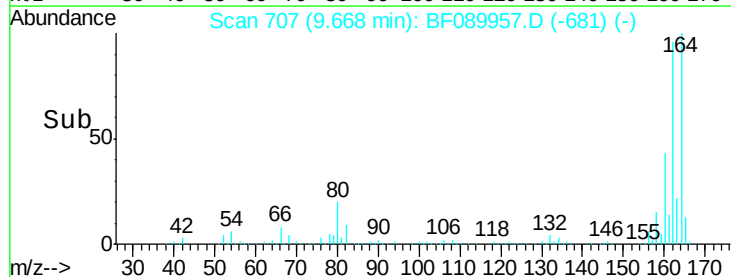
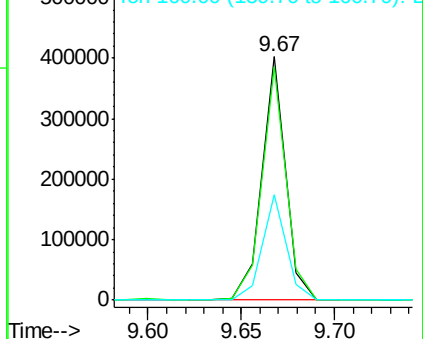
164 100

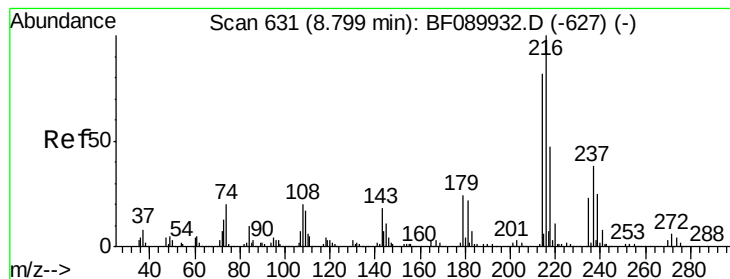
162 95.7 77.1 115.7

160 43.2 35.3 52.9



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





#39

1,2,4,5-Tetrachlorobenzene

Concen: 35.11 ng

RT: 8.80 min Scan# 631

Delta R.T. 0.00 min

Lab File: BF089957.D

Acq: 31 Aug 2016 18:24

Instrument :

BNA_F

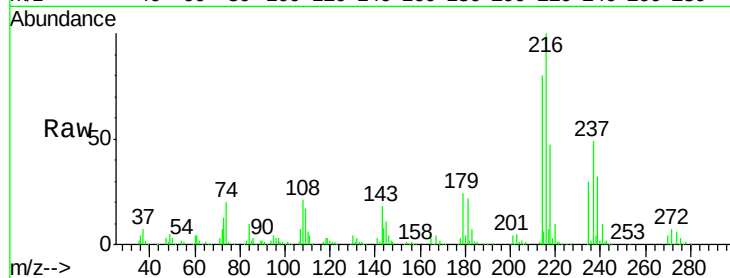
ClientSampled :

MSP-BPMMS

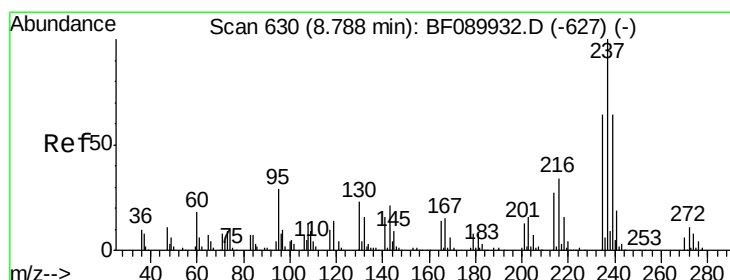
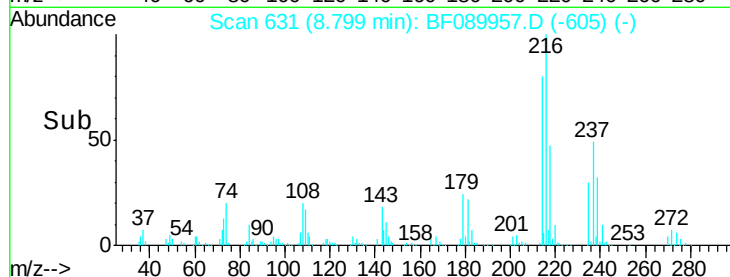
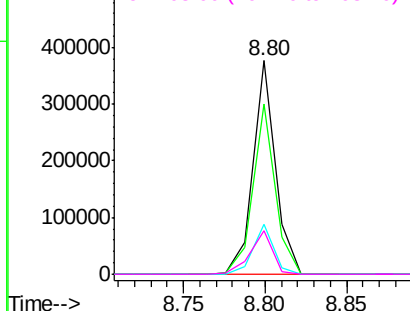
Tgt Ion:	216	Resp:	359637
Ion Ratio	Lower	Upper	
216	100		
214	79.3	63.4	95.2
179	21.7	17.3	25.9
108	20.3	15.5	23.3

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



#40

Hexachlorocyclopentadiene

Concen: 62.03 ng

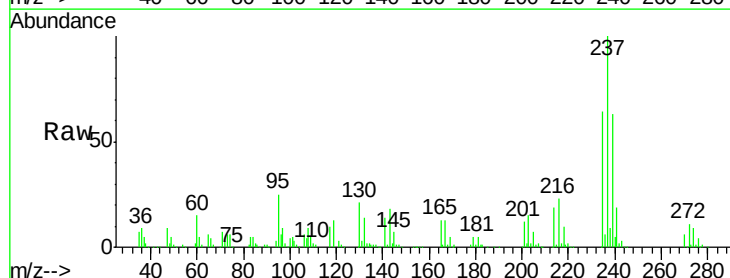
RT: 8.79 min Scan# 630

Delta R.T. -0.01 min

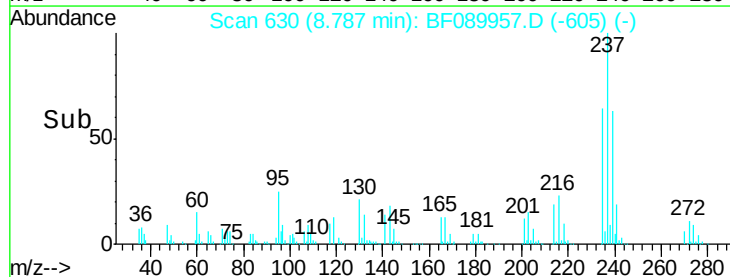
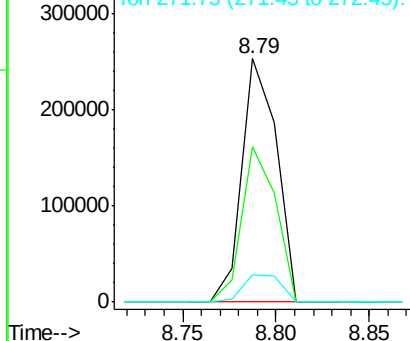
Lab File: BF089957.D

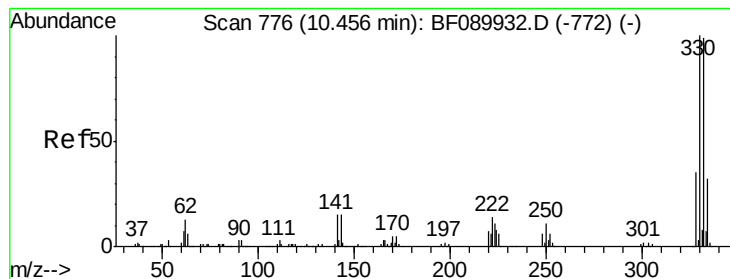
Acq: 31 Aug 2016 18:24

Tgt Ion:	237	Resp:	325755
Ion Ratio	Lower	Upper	
237	100		
235	63.7	39.6	79.6
272	11.2	0.0	34.6



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





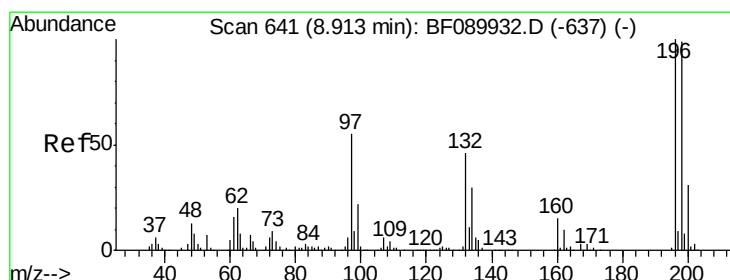
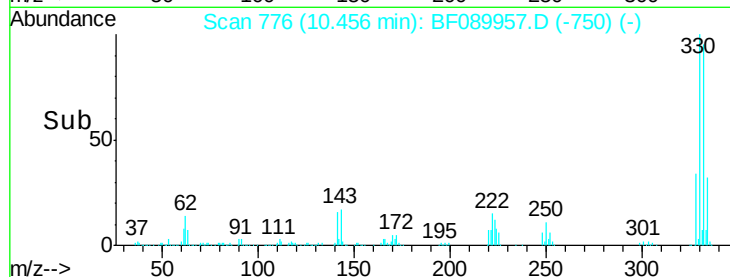
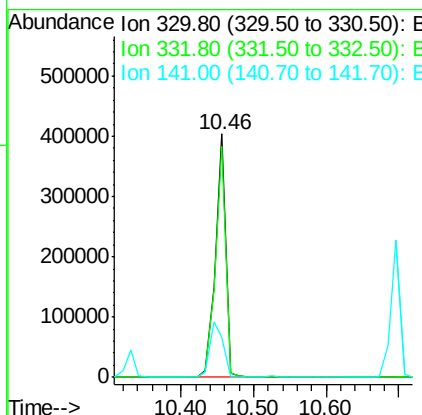
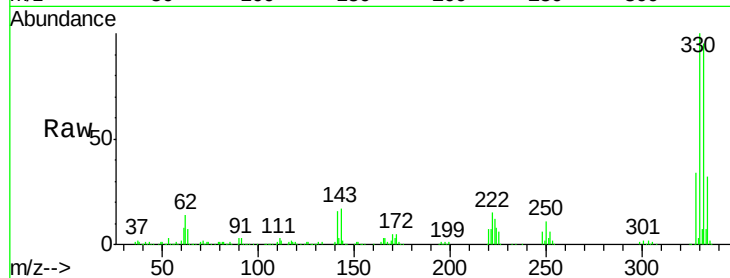
#41
 2,4,6-Tribromophenol
 Concen: 115.19 ng
 RT: 10.46 min Scan# 776
 Delta R.T. 0.00 min
 Lab File: BF089957.D
 Acq: 31 Aug 2016 18:24

Instrument :
 BNA_F
 ClientSampleId :
 MSP-BPMMS

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	397344		
332	95.1	78.6	117.8	
141	29.5	23.3	34.9	

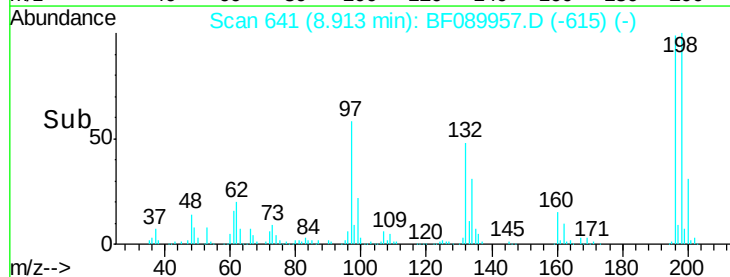
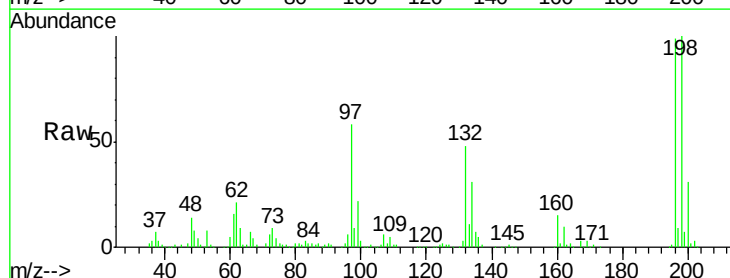
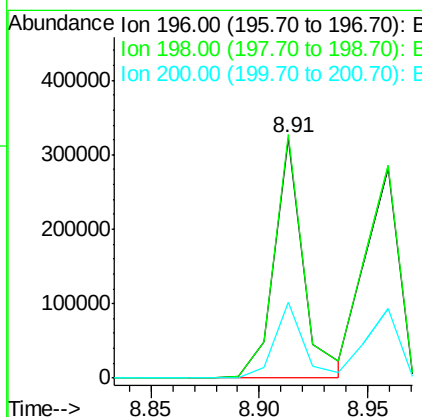
Manual Integrations
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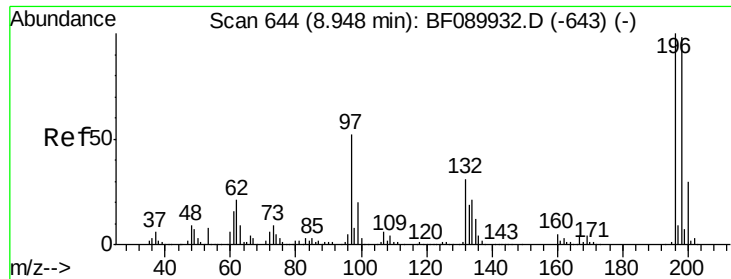
SOHIL
 9/1/2016 11:54:19 AM



#42
 2,4,6-Trichlorophenol
 Concen: 42.69 ng
 RT: 8.91 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: BF089957.D
 Acq: 31 Aug 2016 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	303030		
198	101.5	78.3	117.5	
200	31.6	24.8	37.2	





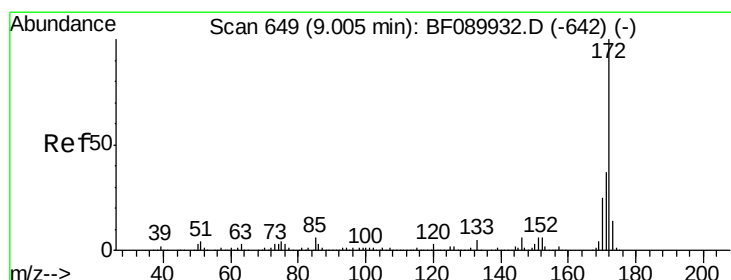
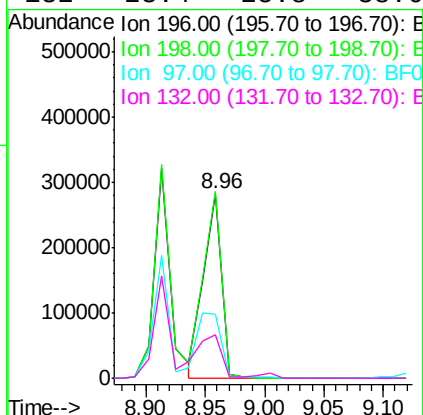
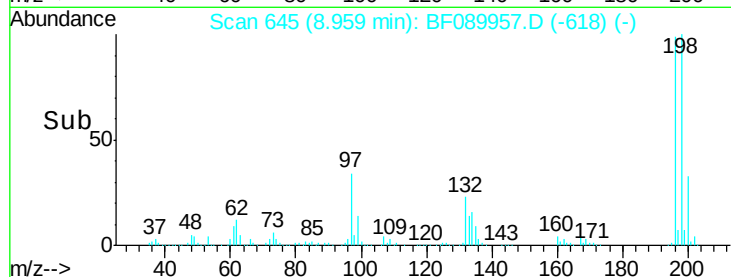
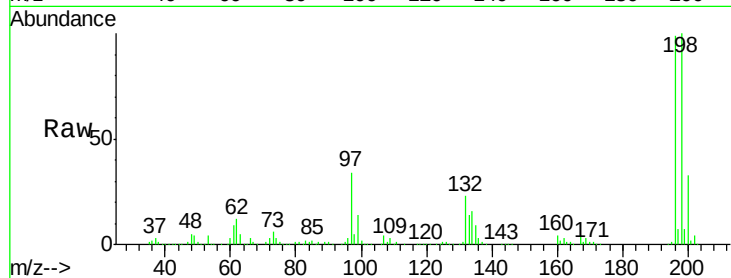
#43
 2,4,5-Trichlorophenol
 Concen: 44.55 ng
 RT: 8.96 min Scan# 645
 Delta R.T. 0.01 min
 Lab File: BF089957.D
 Acq: 31 Aug 2016 18:24

Instrument :
 BNA_F
 ClientSampleId :
 MSP-BPMMS

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	304072		
198	101.3	80.8	121.2	
97	34.8	44.2	66.4	
132	23.4	25.8	38.6	

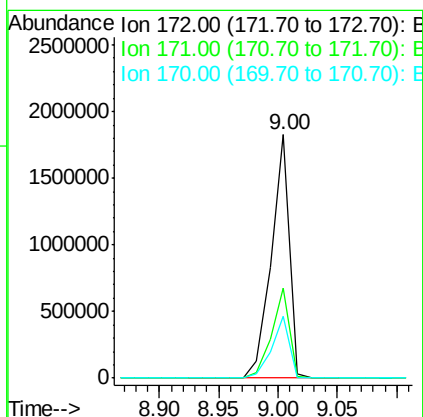
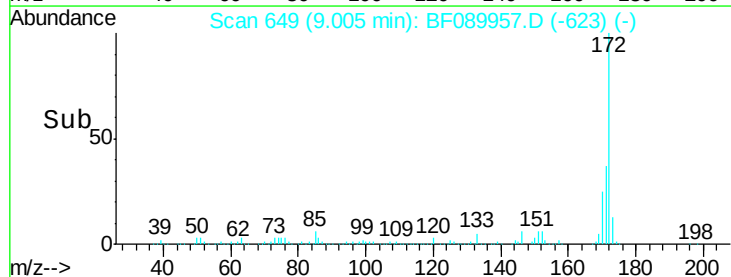
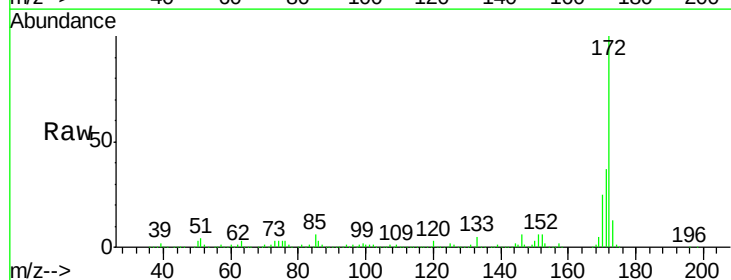
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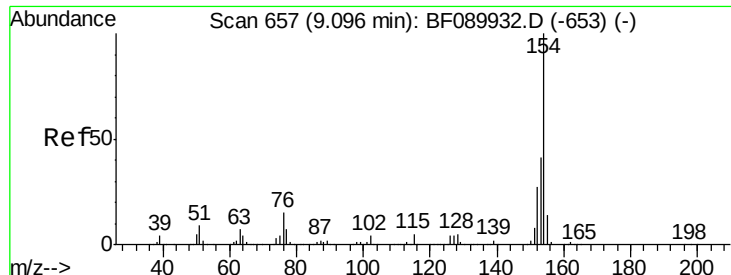
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#44
 2-Fluorobiphenyl
 Concen: 90.66 ng
 RT: 9.00 min Scan# 649
 Delta R.T. 0.00 min
 Lab File: BF089957.D
 Acq: 31 Aug 2016 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1931039		
171	36.9	29.4	44.2	
170	25.2	20.1	30.1	





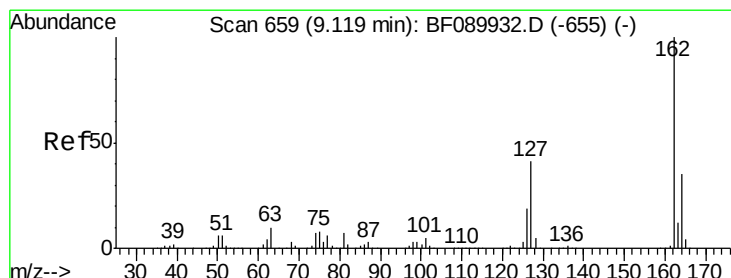
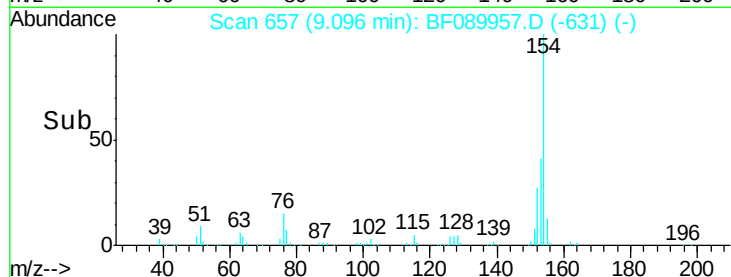
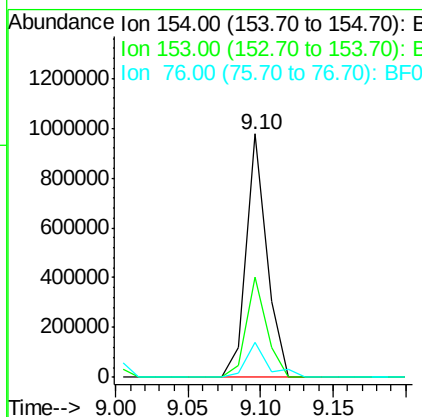
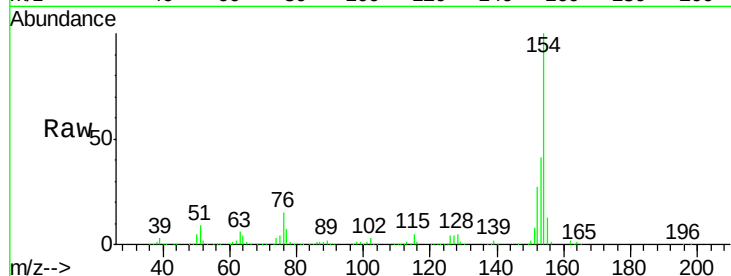
#45
 1,1'-Biphenyl
 Concen: 34.18 ng
 RT: 9.10 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: BF089957.D
 Acq: 31 Aug 2016 18:24

Instrument :
 BNA_F
 ClientSampleId :
 MSP-BPMMS

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	962284		
153	40.9	20.6	60.6	
76	14.6	0.0	34.9	

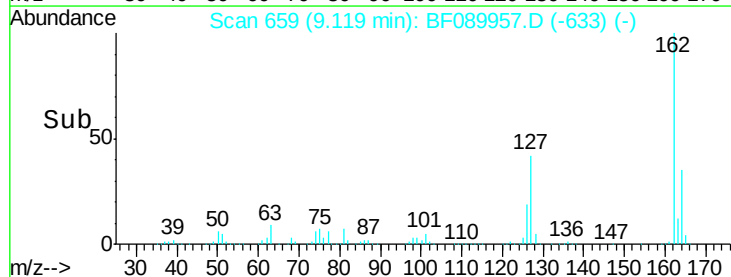
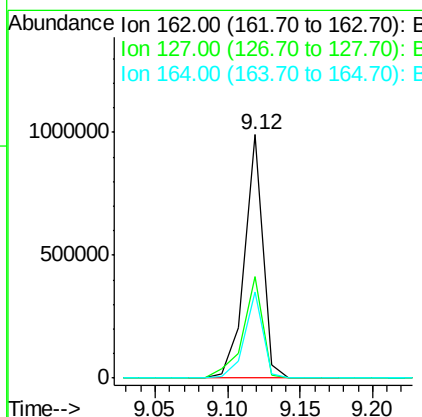
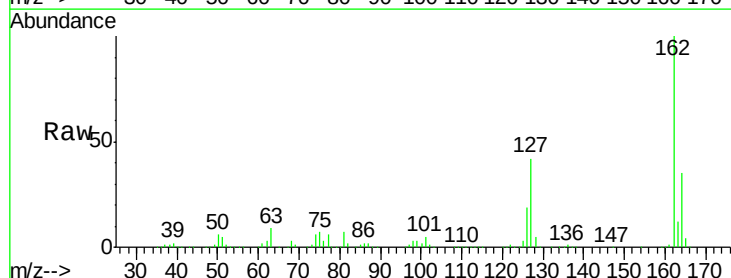
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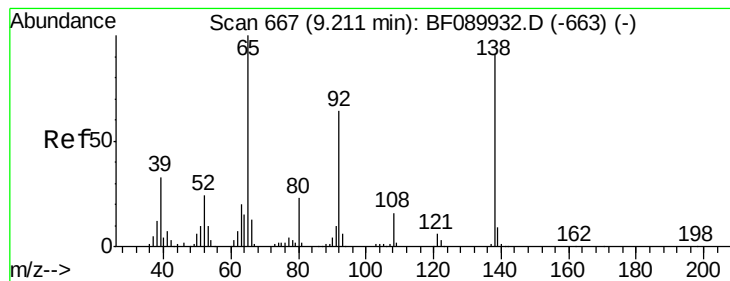
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#46
 2-Chloronaphthalene
 Concen: 43.60 ng
 RT: 9.12 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: BF089957.D
 Acq: 31 Aug 2016 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	868173		
127	41.5	33.5	50.3	
164	35.4	28.2	42.4	





#47

2-Nitroaniline

Concen: 40.44 ng

RT: 9.21 min Scan# 667

Delta R.T. 0.00 min

Lab File: BF089957.D

Acq: 31 Aug 2016 18:24

Instrument :

BNA_F

ClientSampleId :

MSP-BPMMS

Tgt Ion: 65 Resp: 263261
Ion Ratio Lower Upper

65 100

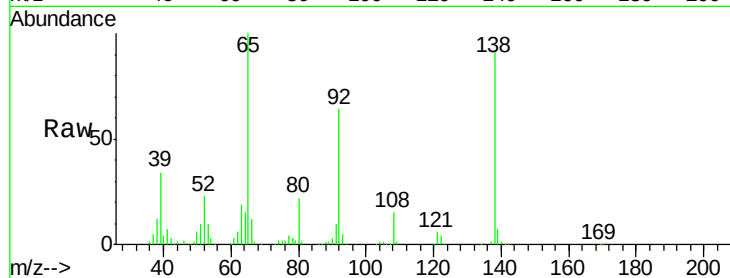
92 64.4 52.0 78.0

138 91.3 72.1 108.1

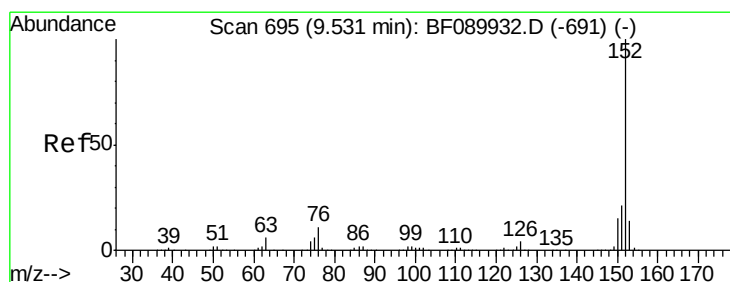
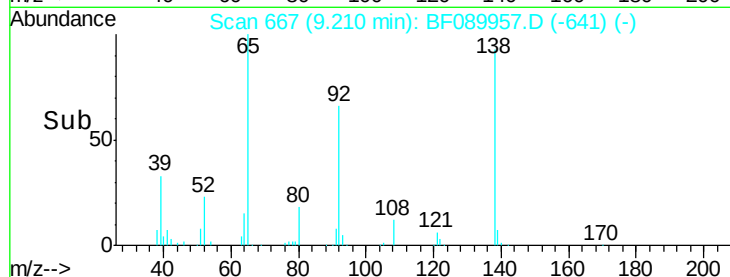
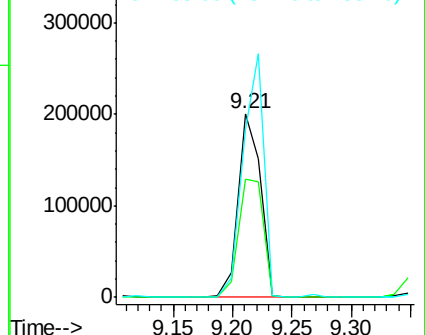
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Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#48

Acenaphthylene

Concen: 39.93 ng

RT: 9.53 min Scan# 695

Delta R.T. 0.00 min

Lab File: BF089957.D

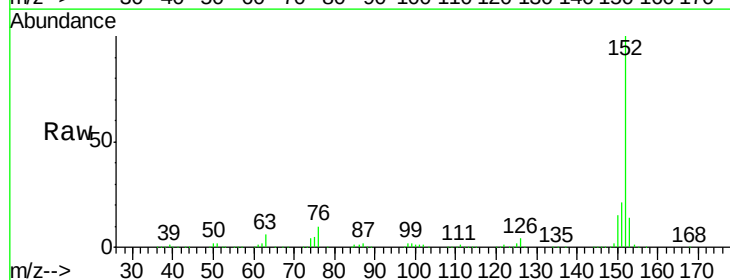
Acq: 31 Aug 2016 18:24

Tgt Ion: 152 Resp: 1314671
Ion Ratio Lower Upper

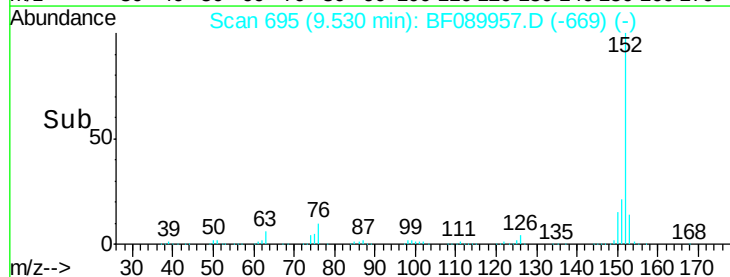
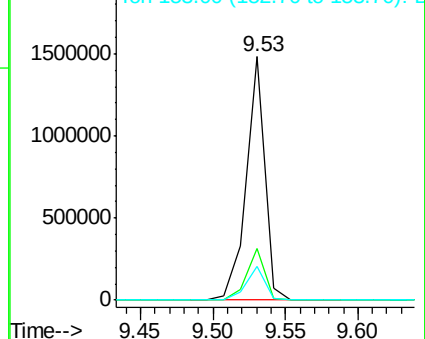
152 100

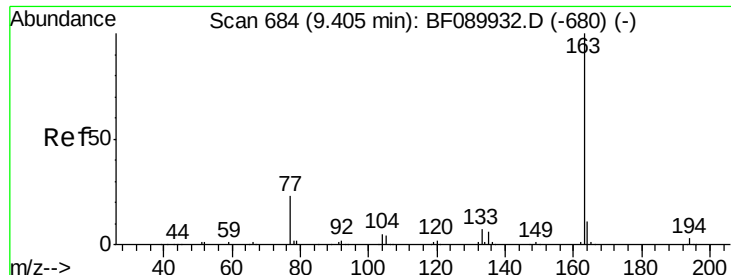
151 21.1 16.7 25.1

153 14.0 11.6 17.4



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





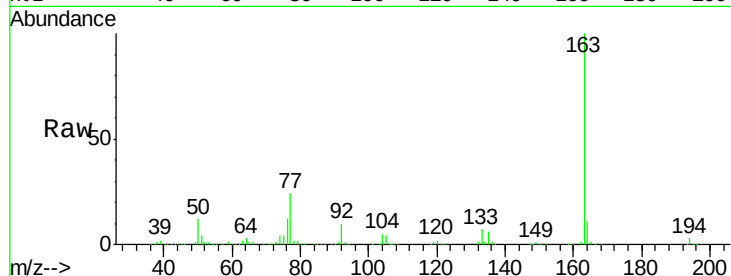
#49
Dimethylphthalate
Concen: 51.58 ng
RT: 9.40 min Scan# 684
Delta R.T. 0.00 min
Lab File: BF089957.D
Acq: 31 Aug 2016 18:24

Instrument :
BNA_F
ClientSampleId :
MSP-BPMMS

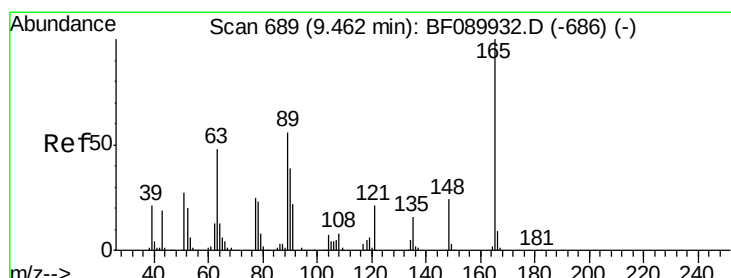
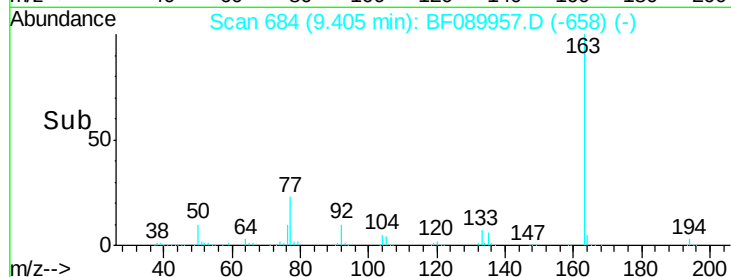
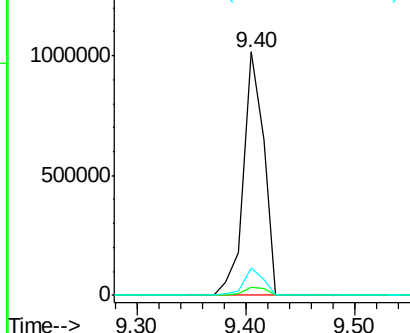
Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	11.3	9.0	13.4

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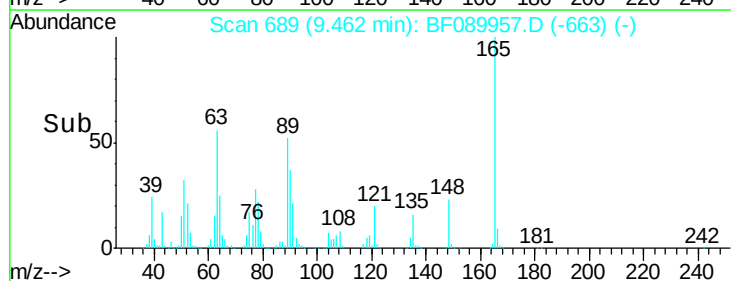
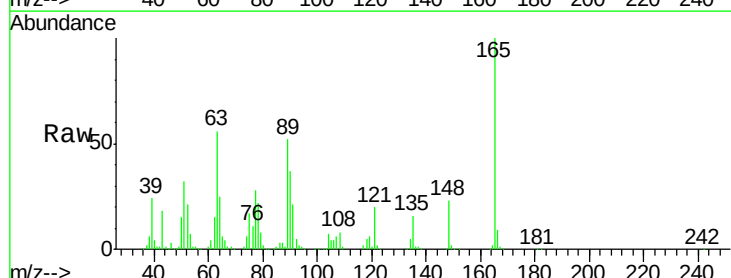
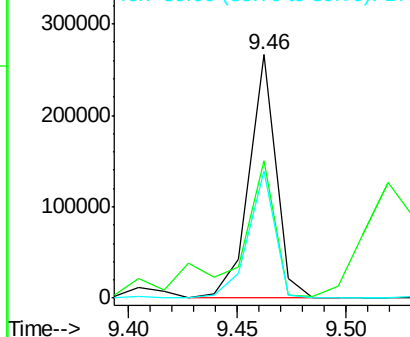
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

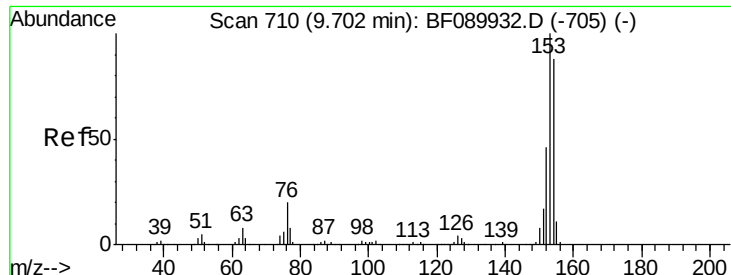


#50
2,6-Dinitrotoluene
Concen: 40.79 ng
RT: 9.46 min Scan# 689
Delta R.T. 0.00 min
Lab File: BF089957.D
Acq: 31 Aug 2016 18:24

Tgt Ion	Ratio	Lower	Upper
165	100		
63	56.4	45.0	67.4
89	52.0	41.5	62.3

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 40.68 ng

RT: 9.70 min Scan# 710

Delta R.T. 0.00 min

Lab File: BF089957.D

Acq: 31 Aug 2016 18:24

Instrument :

BNA_F

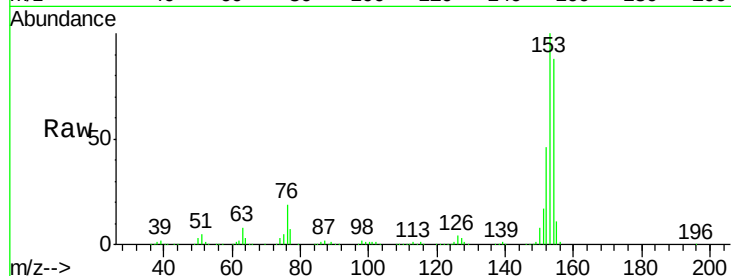
ClientSampleId :

MSP-BPMMS

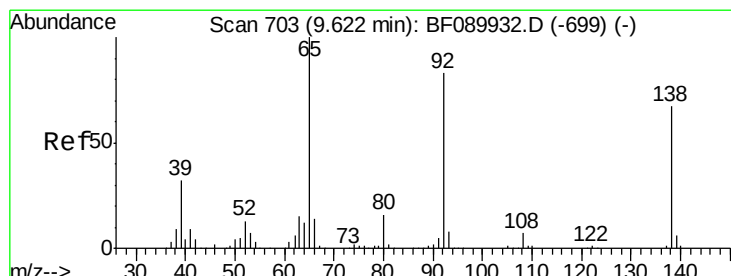
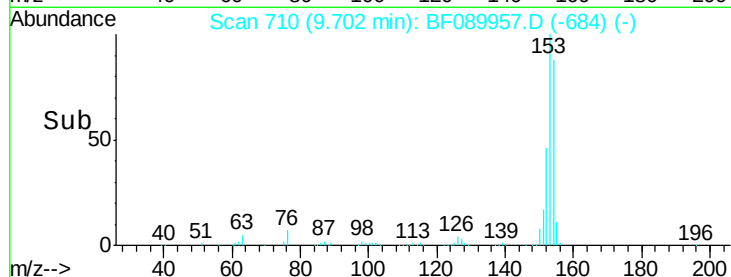
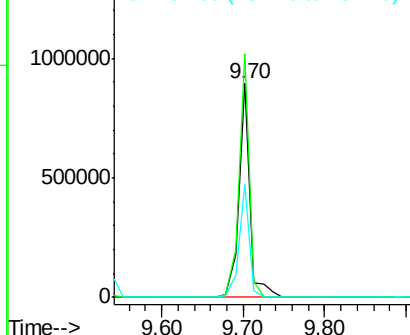
Tgt Ion:	154	Resp:	848687
Ion Ratio	Lower	Upper	
154	100		
153	113.7	90.6	135.8
152	52.6	42.4	63.6

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 28.00 ng

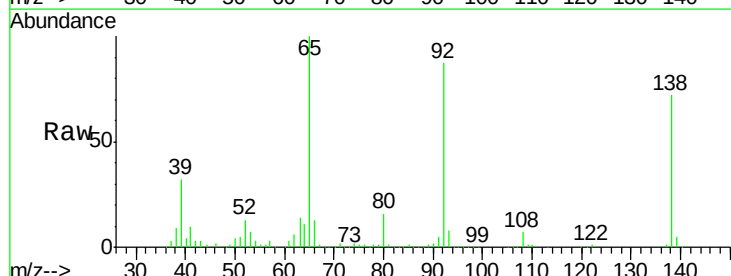
RT: 9.62 min Scan# 703

Delta R.T. 0.00 min

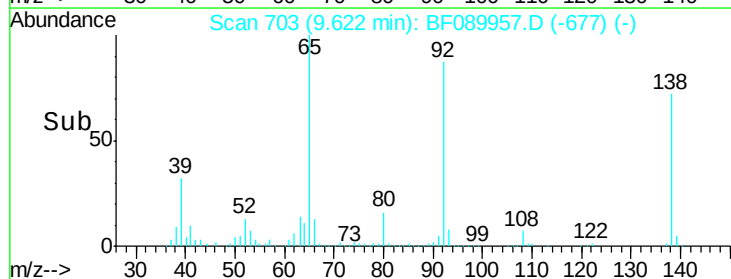
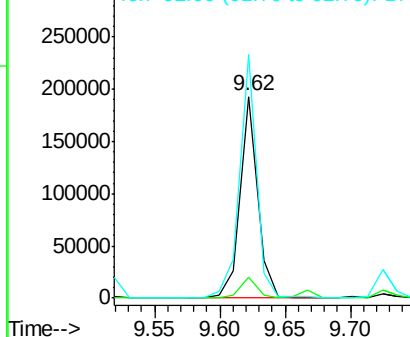
Lab File: BF089957.D

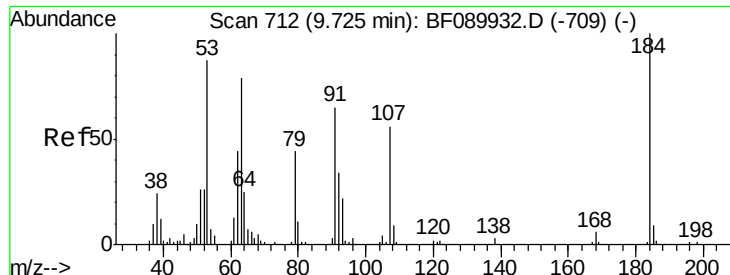
Acq: 31 Aug 2016 18:24

Tgt Ion:	138	Resp:	179470
Ion Ratio	Lower	Upper	
138	100		
108	10.3	8.3	12.5
92	120.9	99.1	148.7



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0





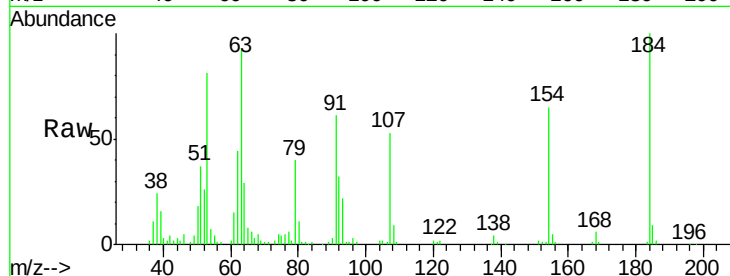
#53
2,4-Dinitrophenol
Concen: 38.73 ng
RT: 9.72 min Scan# 712
Delta R.T. 0.00 min
Lab File: BF089957.D
Acq: 31 Aug 2016 18:24

Instrument :
BNA_F
ClientSampleId :
MSP-BPMMS

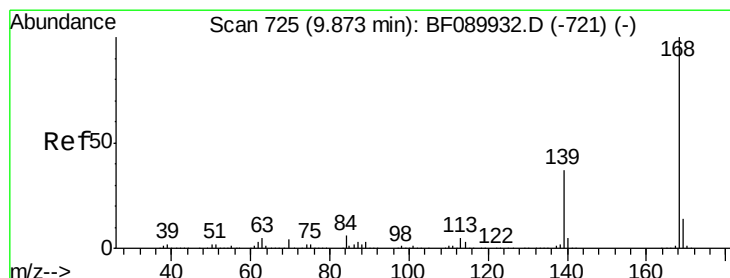
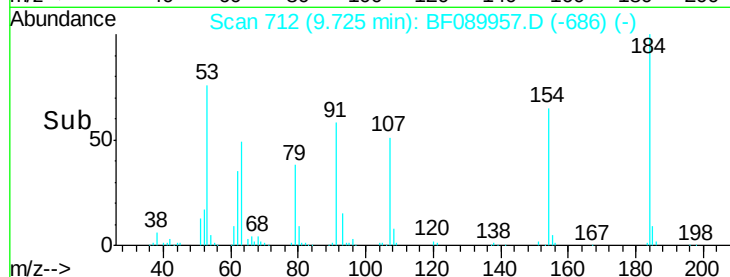
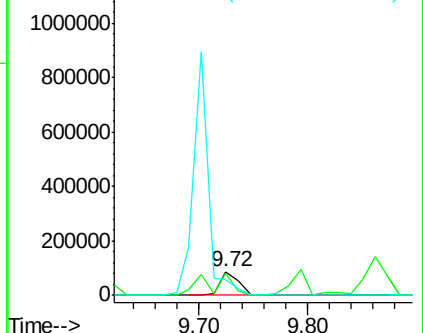
Tgt Ion	Ratio	Resp	Lower	Upper
184	100	105883		
63	92.1	73.9	110.9	
154	65.2	53.5	80.3	

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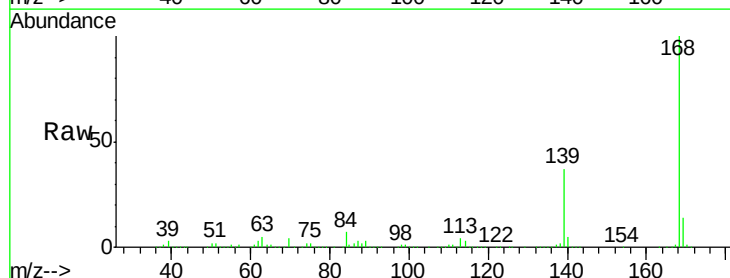


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

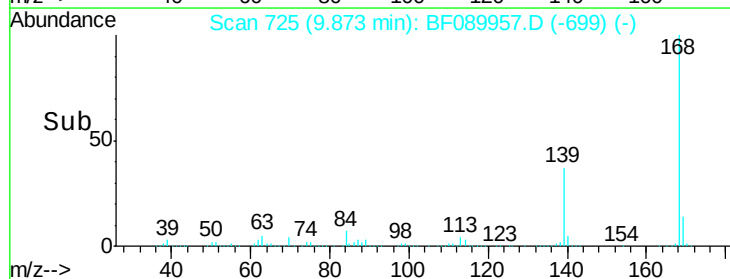
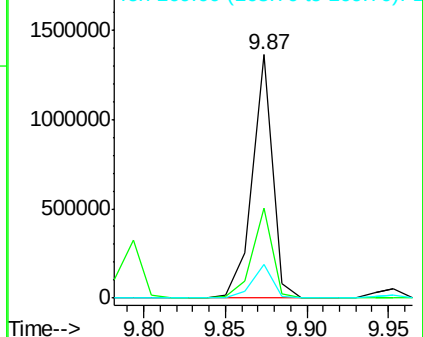


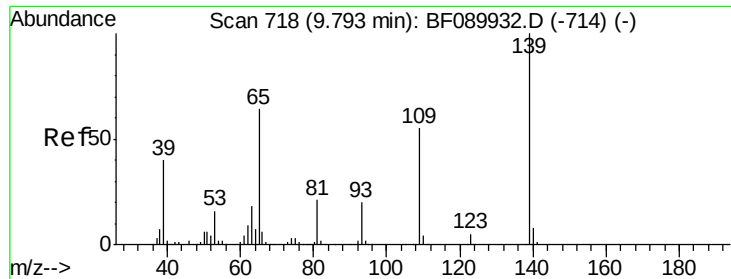
#54
Dibenzofuran
Concen: 42.20 ng
RT: 9.87 min Scan# 725
Delta R.T. 0.00 min
Lab File: BF089957.D
Acq: 31 Aug 2016 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1179786		
139	36.7	29.5	44.3	
169	13.9	10.8	16.2	



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





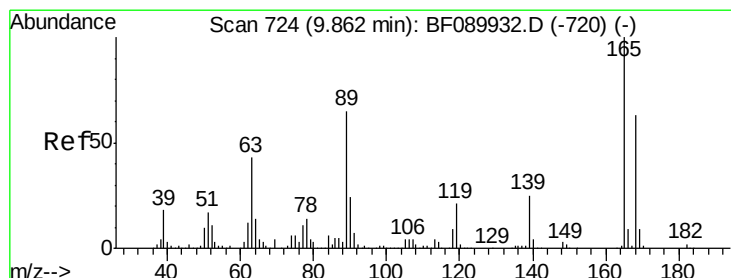
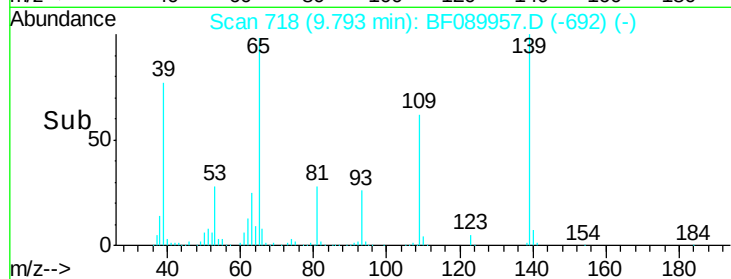
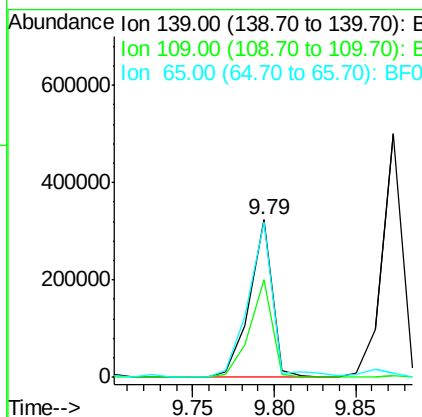
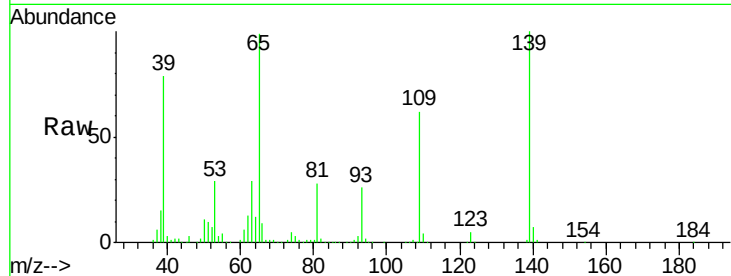
#55
4-Nitrophenol
Concen: 65.35 ng
RT: 9.79 min Scan# 718
Delta R.T. 0.00 min
Lab File: BF089957.D
Acq: 31 Aug 2016 18:24

Instrument :
BNA_F
ClientSampleId :
MSP-BPMMS

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	315962		
109	62.2	31.3	71.3	
65	98.6	38.5	78.5	

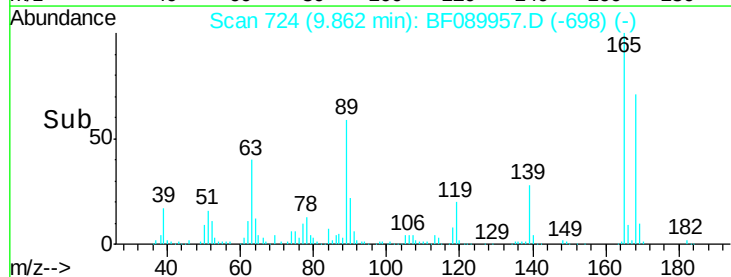
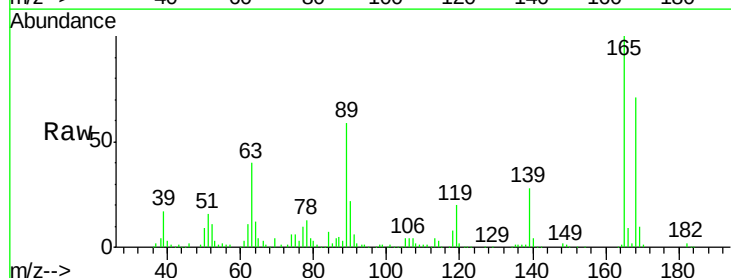
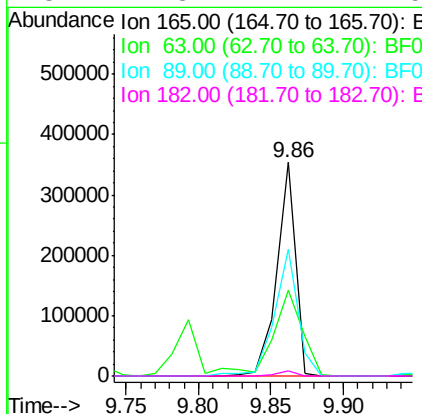
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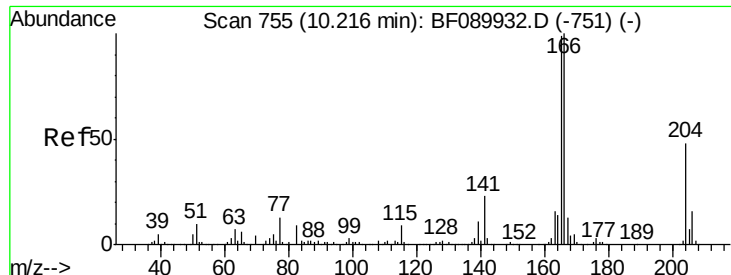
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#56
2,4-Dinitrotoluene
Concen: 44.30 ng
RT: 9.86 min Scan# 724
Delta R.T. 0.00 min
Lab File: BF089957.D
Acq: 31 Aug 2016 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	315775		
63	39.9	32.5	48.7	
89	59.4	48.3	72.5	
182	2.3	1.7	2.5	





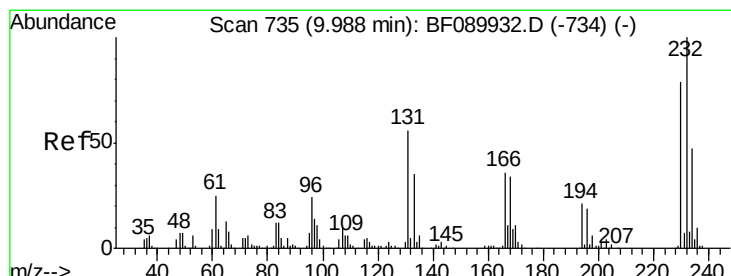
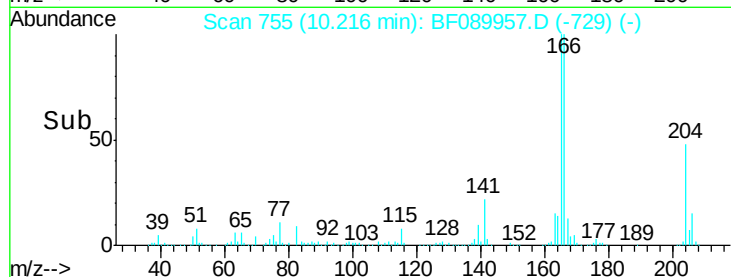
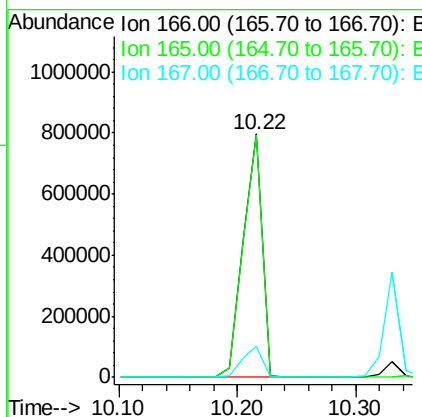
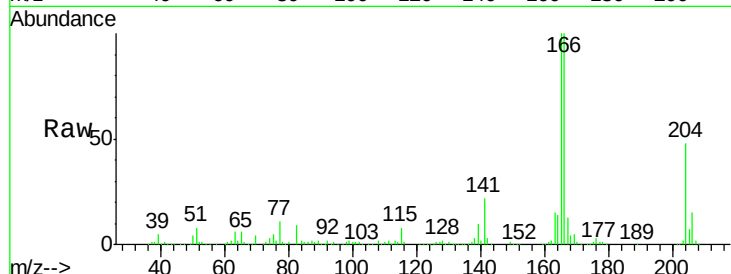
#57
Fluorene
 Concen: 43.45 ng
 RT: 10.22 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: BF089957.D
 Acq: 31 Aug 2016 18:24

Instrument :
 BNA_F
 ClientSampleId :
 MSP-BPMMS

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	887545		
165	99.8	78.6	118.0	
167	13.0	10.6	15.8	

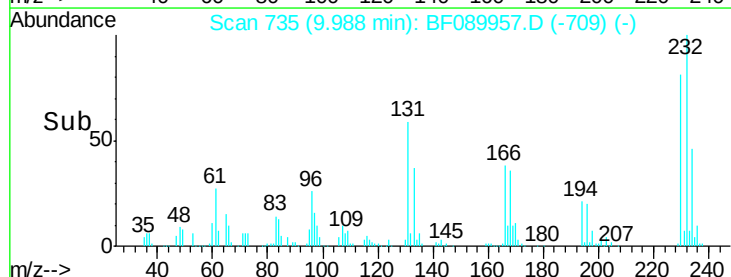
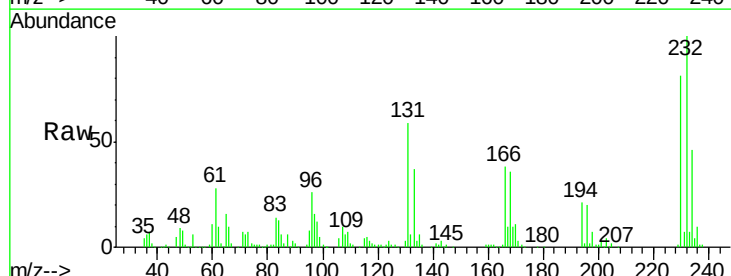
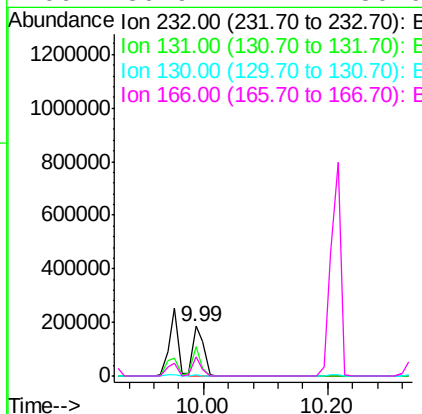
Manual Integrations
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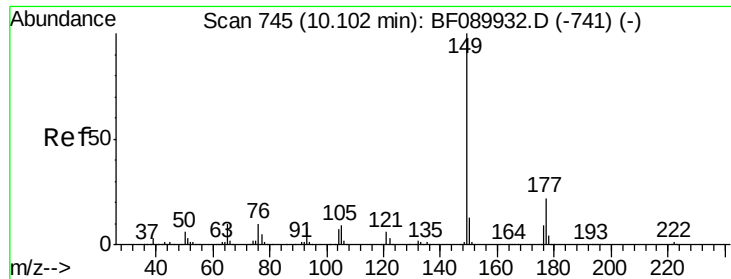
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#58
2,3,4,6-Tetrachlorophenol
 Concen: 38.75 ng
 RT: 9.99 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: BF089957.D
 Acq: 31 Aug 2016 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	226459		
131	44.8	36.3	54.5	
130	1.9	1.7	2.5	
166	30.9	24.4	36.6	





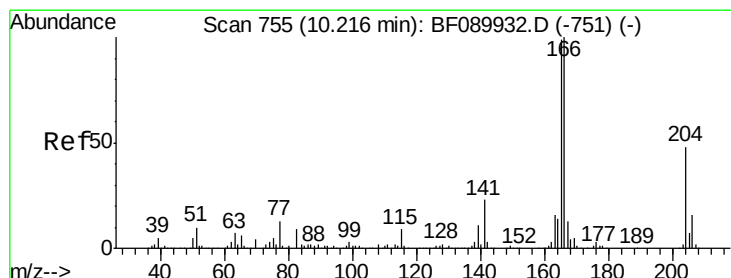
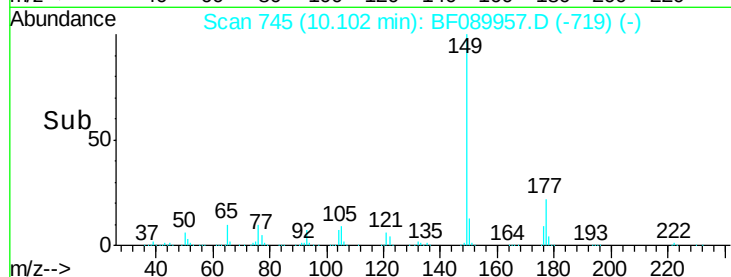
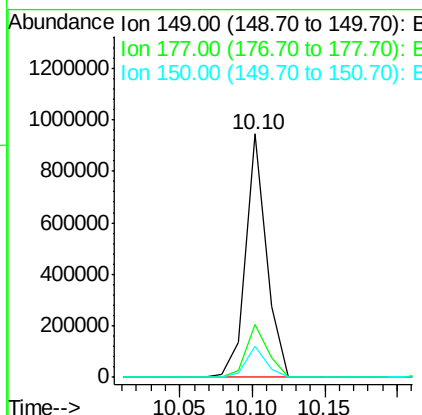
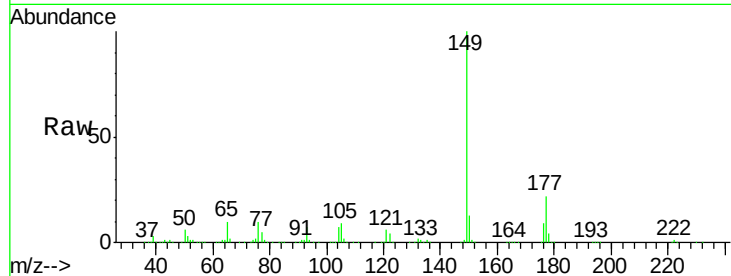
#59
Diethylphthalate
Concen: 39.47 ng
RT: 10.10 min Scan# 745
Delta R.T. 0.00 min
Lab File: BF089957.D
Acq: 31 Aug 2016 18:24

Instrument :
BNA_F
ClientSampleId :
MSP-BPMMS

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.7	26.5
150	12.9	10.2	15.2

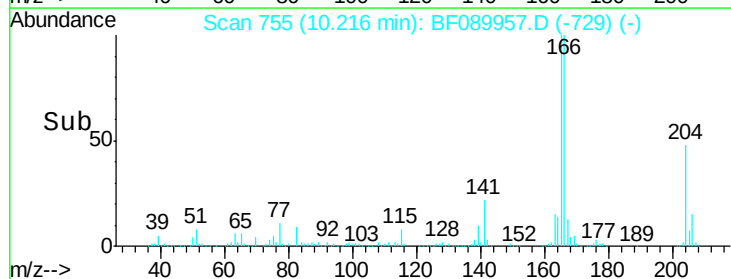
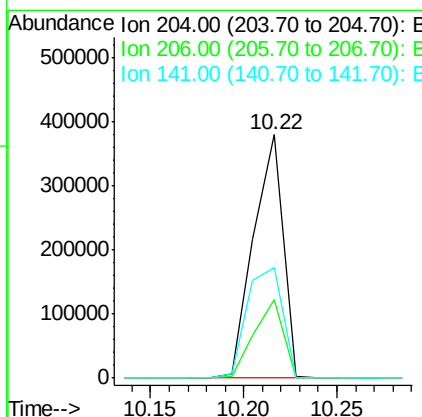
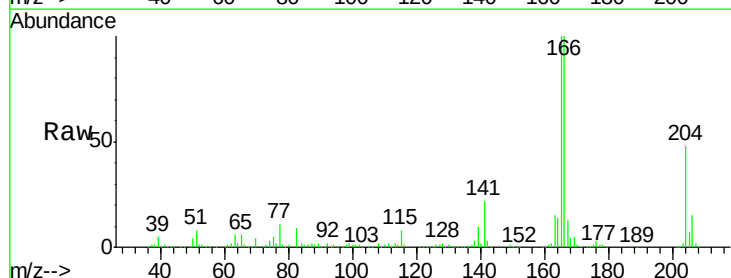
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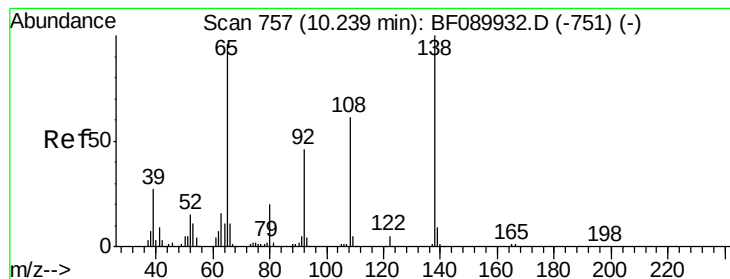
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#60
4-Chlorophenyl-phenylether
Concen: 43.22 ng
RT: 10.22 min Scan# 755
Delta R.T. 0.00 min
Lab File: BF089957.D
Acq: 31 Aug 2016 18:24

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.6	40.0
141	45.5	36.5	54.7





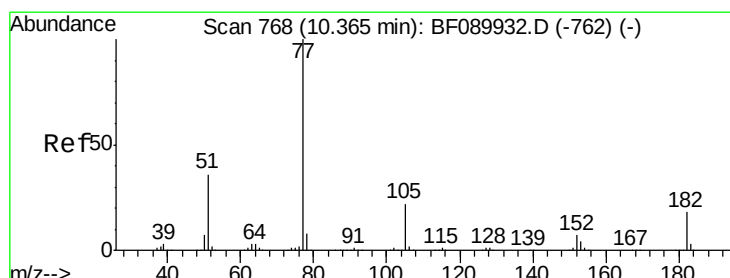
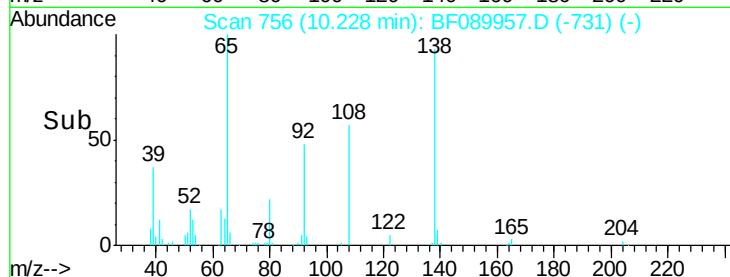
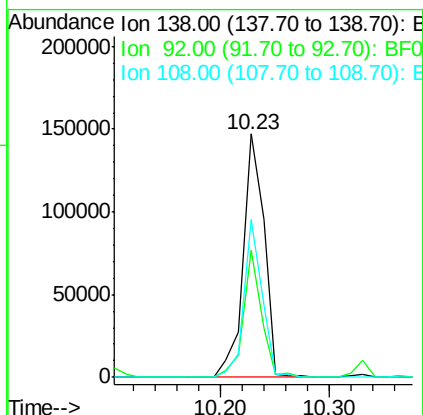
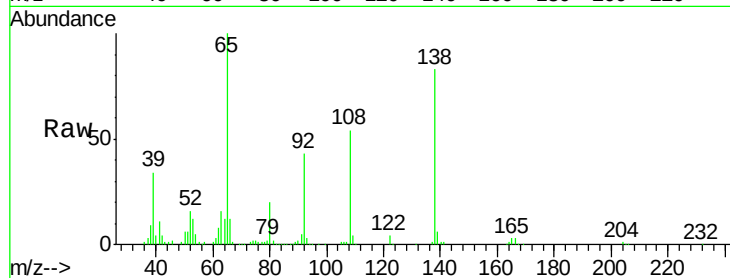
#61
4-Nitroaniline
Concen: 31.15 ng
RT: 10.23 min Scan# 756
Delta R.T. -0.01 min
Lab File: BF089957.D
Acq: 31 Aug 2016 18:24

Instrument :
BNA_F
ClientSampleId :
MSP-BPMMS

Tgt Ion	Ratio	Lower	Upper
138	100		
92	52.0	21.2	61.2
108	64.8	37.7	77.7

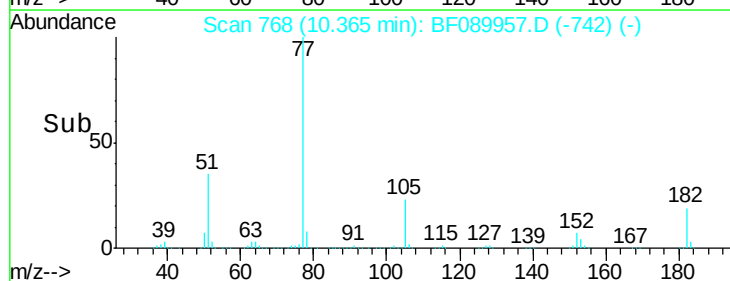
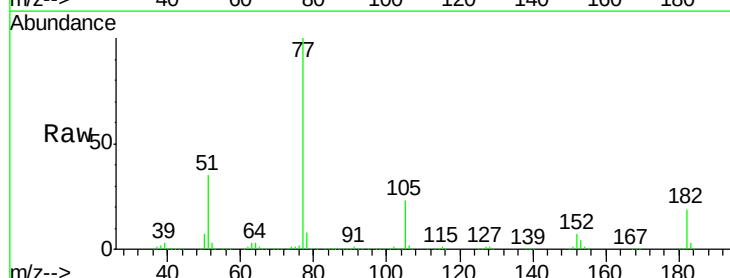
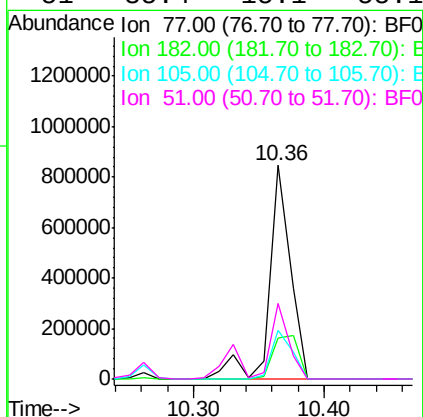
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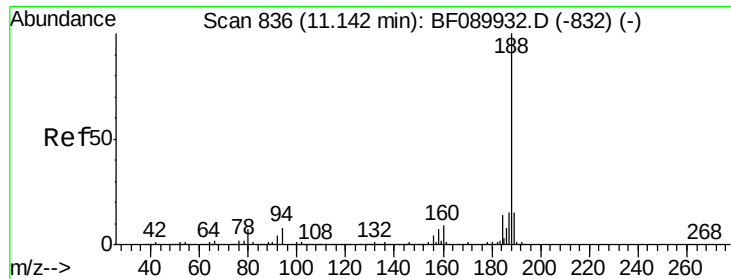
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#62
Azobenzene
Concen: 40.60 ng
RT: 10.36 min Scan# 768
Delta R.T. 0.00 min
Lab File: BF089957.D
Acq: 31 Aug 2016 18:24

Tgt Ion	Ratio	Lower	Upper
77	100		
182	19.0	0.0	38.6
105	22.7	2.3	42.3
51	35.4	15.1	55.1





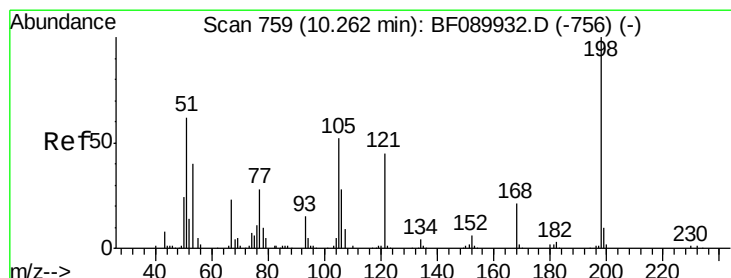
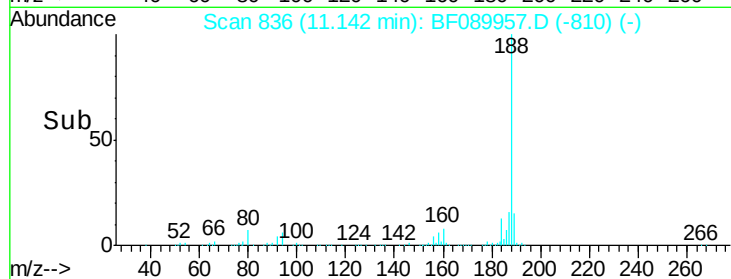
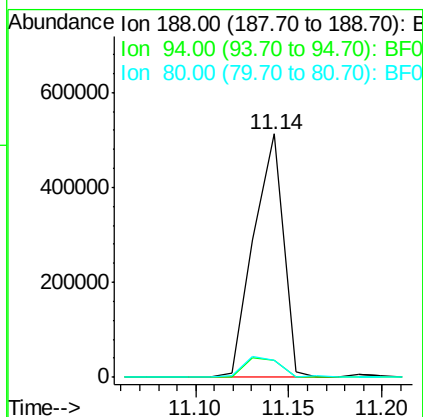
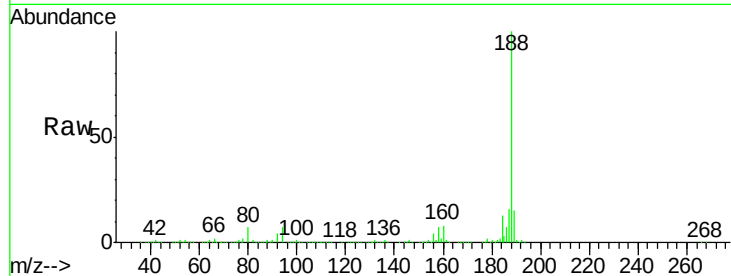
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 836
Delta R.T. 0.00 min
Lab File: BF089957.D
Acq: 31 Aug 2016 18:24

Instrument :
BNA_F
ClientSampleId :
MSP-BPMMS

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	566068		
94	7.1		5.9	8.9
80	7.0		5.8	8.8

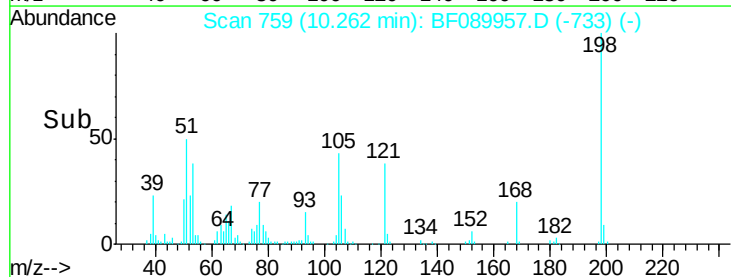
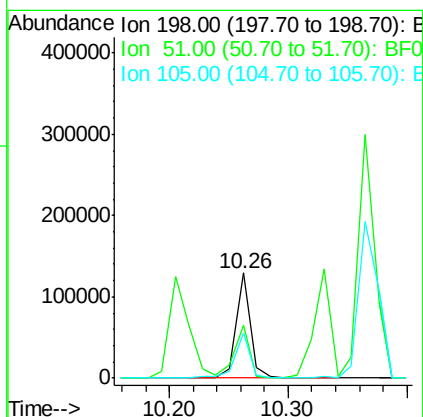
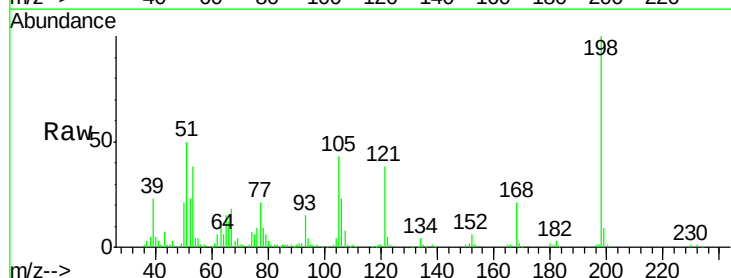
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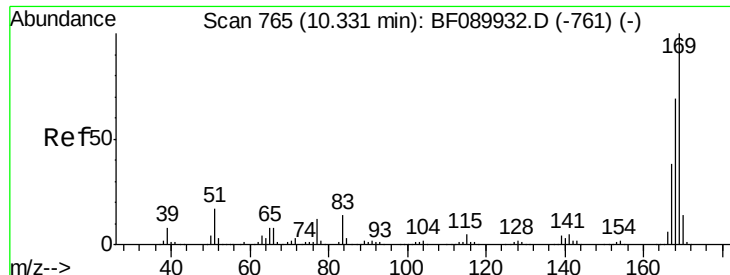
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#64
4,6-Dinitro-2-methylphenol
Concen: 29.77 ng
RT: 10.26 min Scan# 759
Delta R.T. 0.00 min
Lab File: BF089957.D
Acq: 31 Aug 2016 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	107883		
51	50.0		43.0	83.0
105	43.0		30.3	70.3





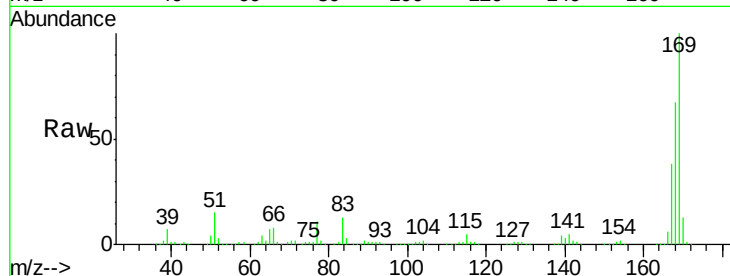
#65
 n-Nitrosodiphenylamine
 Concen: 46.31 ng
 RT: 10.33 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: BF089957.D
 Acq: 31 Aug 2016 18:24

Instrument :
 BNA_F
 ClientSampleId :
 MSP-BPMMS

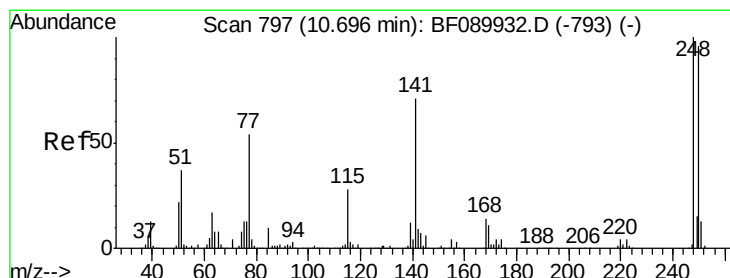
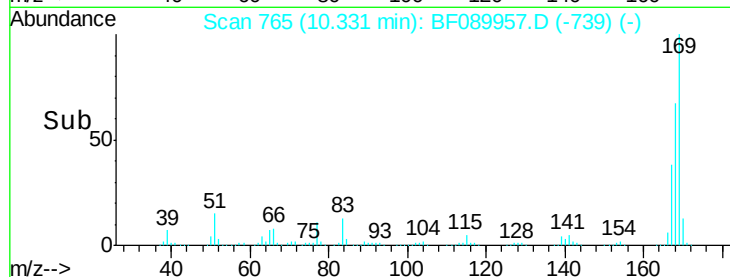
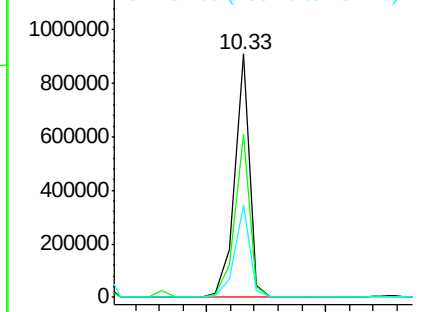
Tgt Ion	Ratio	Resp	Lower	Upper
169	100	788121		
168	67.2	55.0	82.4	
167	38.0	30.5	45.7	

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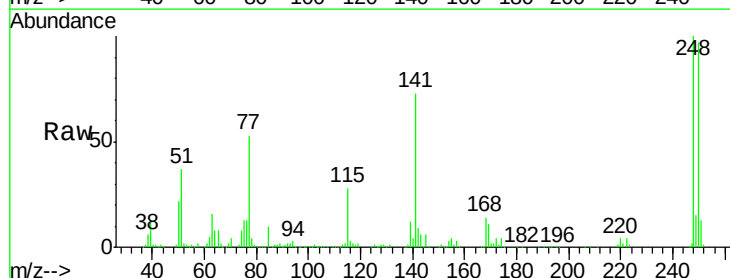


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

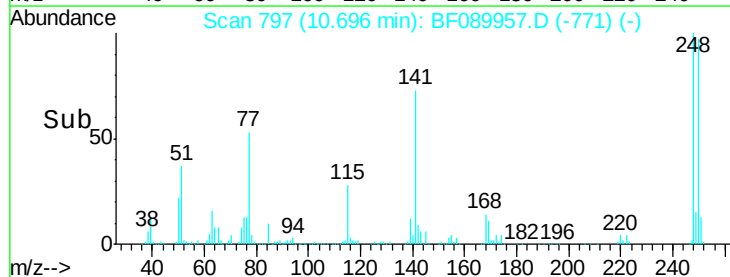
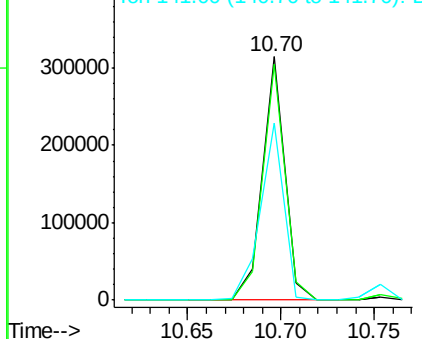


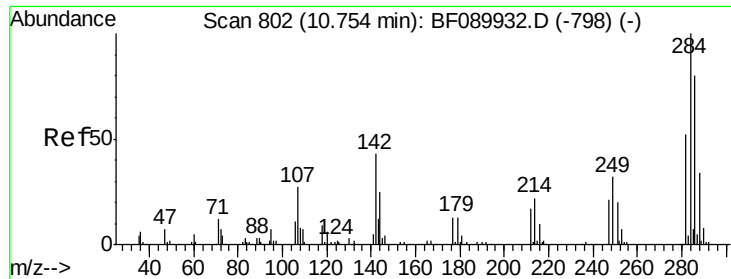
#66
 4-Bromophenyl-phenylether
 Concen: 45.59 ng
 RT: 10.70 min Scan# 797
 Delta R.T. 0.00 min
 Lab File: BF089957.D
 Acq: 31 Aug 2016 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	259792		
250	96.9	77.3	115.9	
141	72.5	55.8	83.8	



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





#67

Hexachlorobenzene

Concen: 38.59 ng

RT: 10.75 min Scan# 802

Delta R.T. 0.00 min

Lab File: BF089957.D

Acq: 31 Aug 2016 18:24

Instrument :

BNA_F

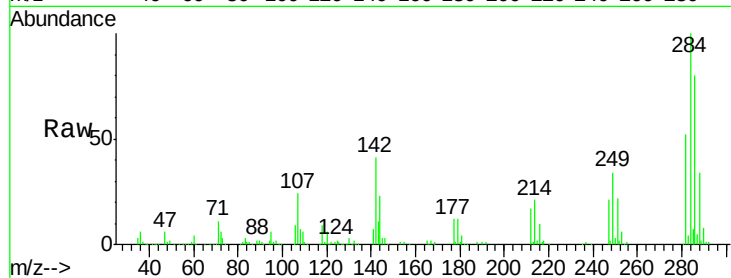
ClientSampleId :

MSP-BPMMS

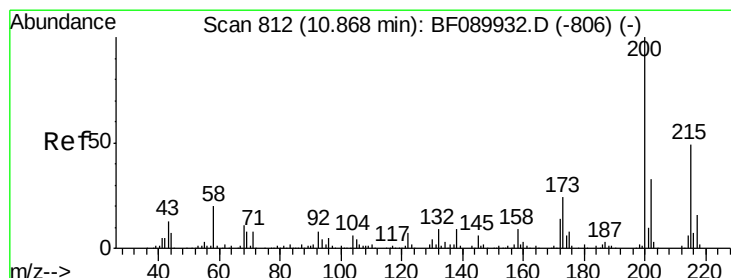
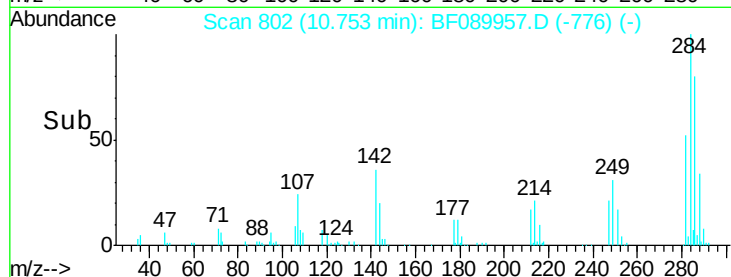
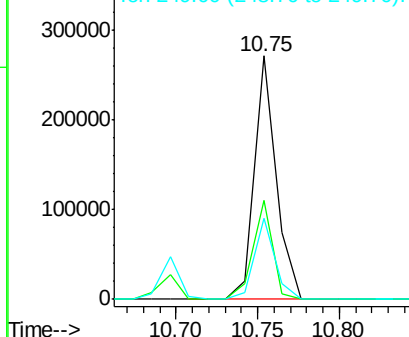
Tgt Ion:	284	Resp:	251232
Ion Ratio	Lower	Upper	
284	100		
142	40.7	32.7	49.1
249	33.5	26.9	40.3

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



#68

Atrazine

Concen: 40.45 ng

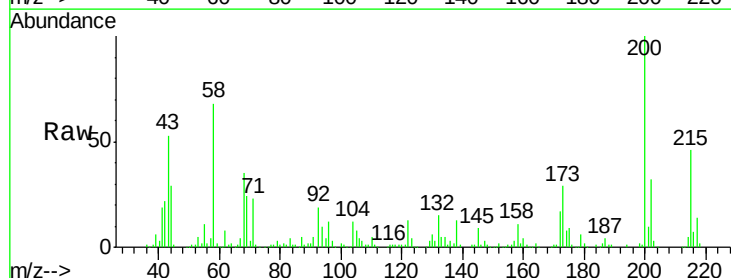
RT: 10.86 min Scan# 811

Delta R.T. 0.00 min

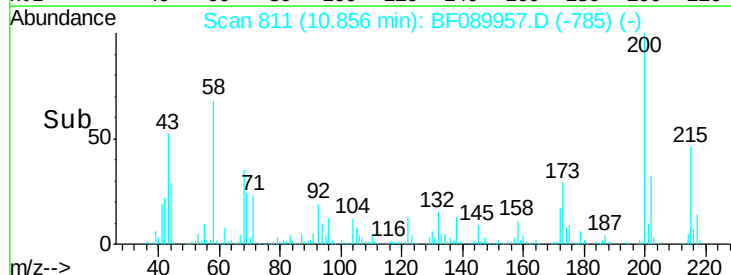
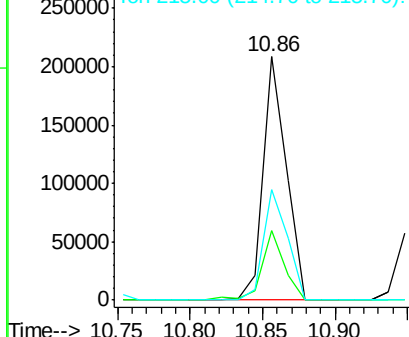
Lab File: BF089957.D

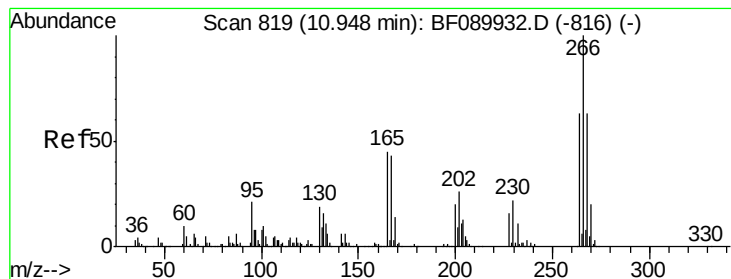
Acq: 31 Aug 2016 18:24

Tgt Ion:	200	Resp:	229819
Ion Ratio	Lower	Upper	
200	100		
173	28.8	9.4	49.4
215	45.6	24.5	64.5



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





#69

Pentachlorophenol

Concen: 71.63 ng

RT: 10.95 min Scan# 819

Delta R.T. 0.00 min

Lab File: BF089957.D

Acq: 31 Aug 2016 18:24

Instrument :

BNA_F

ClientSampleId :

MSP-BPMMS

Tgt Ion: 266 Resp: 250853
Ion Ratio Lower Upper

266 100

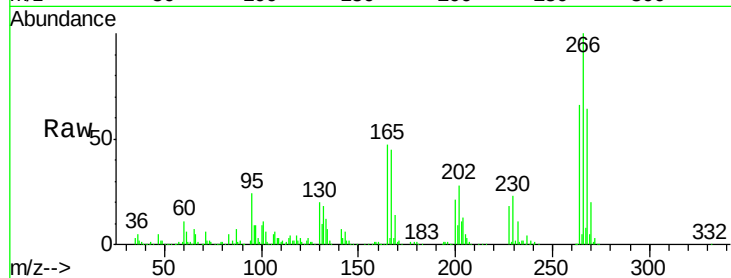
268 63.9 51.0 76.6

264 65.8 50.6 75.8

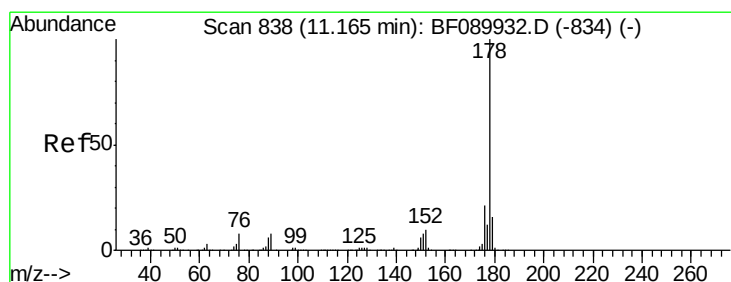
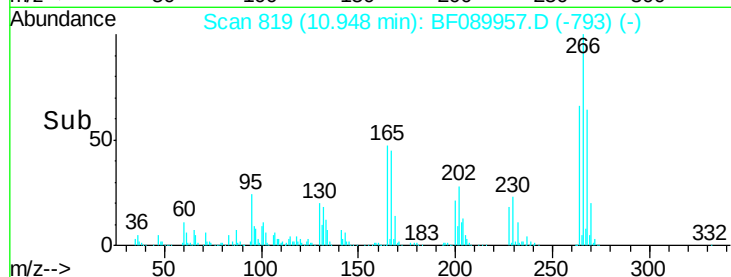
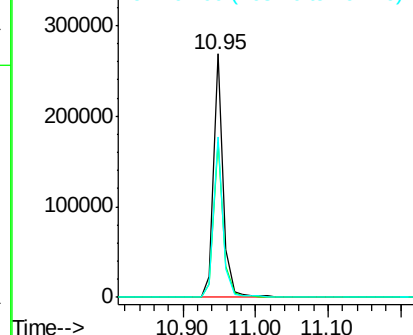
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Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E



#70

Phenanthrene

Concen: 42.90 ng

RT: 11.16 min Scan# 838

Delta R.T. 0.00 min

Lab File: BF089957.D

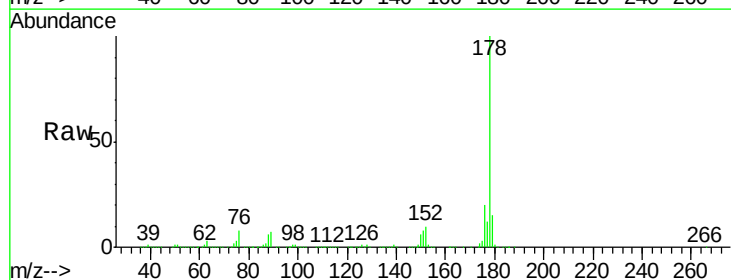
Acq: 31 Aug 2016 18:24

Tgt Ion: 178 Resp: 1209433
Ion Ratio Lower Upper

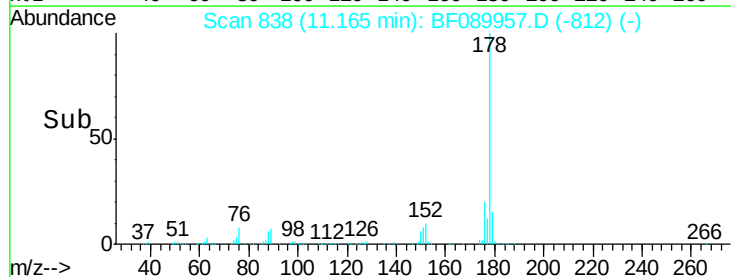
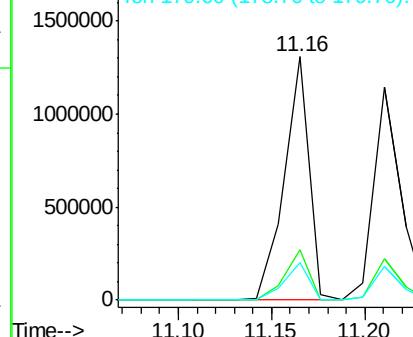
178 100

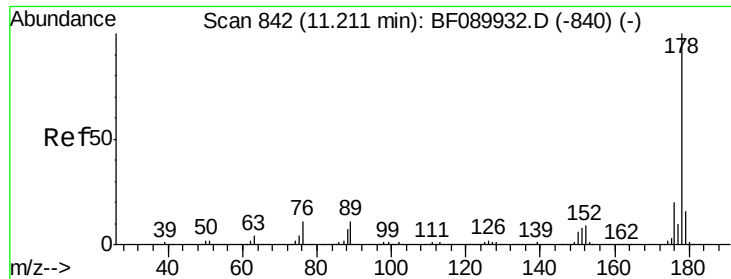
176 20.5 16.5 24.7

179 15.5 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





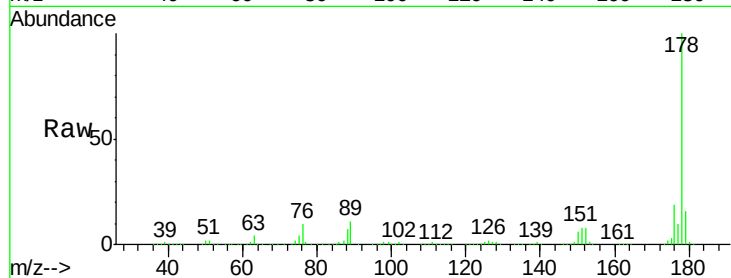
#71
 Anthracene
 Concen: 39.36 ng
 RT: 11.21 min Scan# 842
 Delta R.T. 0.00 min
 Lab File: BF089957.D
 Acq: 31 Aug 2016 18:24

Instrument :
 BNA_F
 ClientSampleId :
 MSP-BPMMS

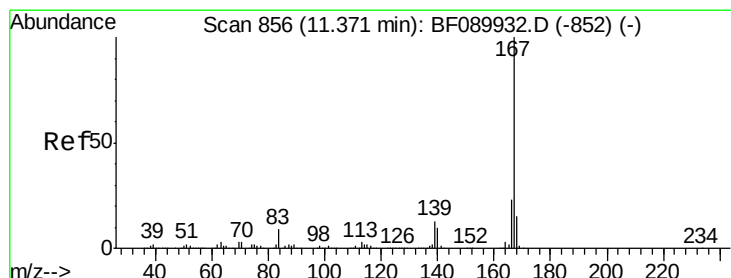
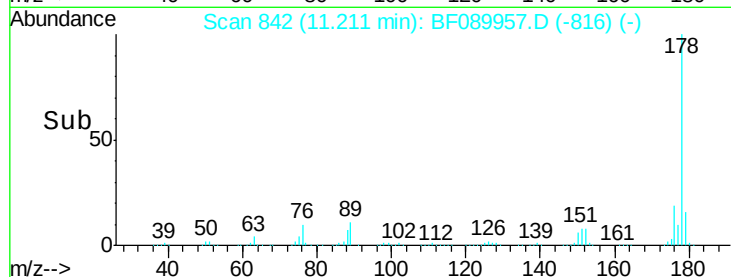
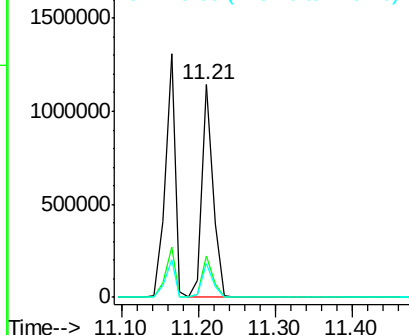
Tgt Ion:178 Resp: 1125409
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.8
 179 15.8 13.0 19.4

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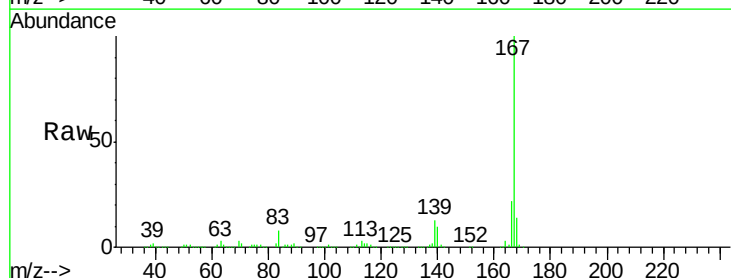


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

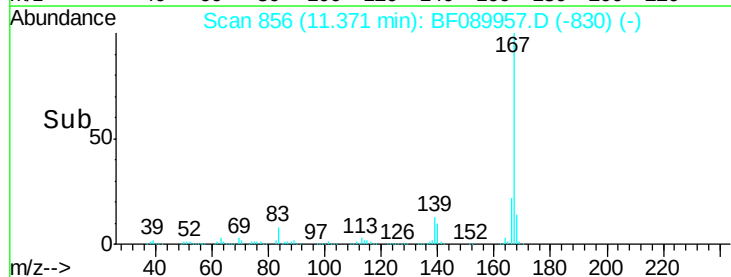
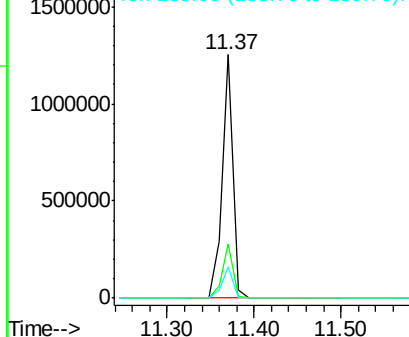


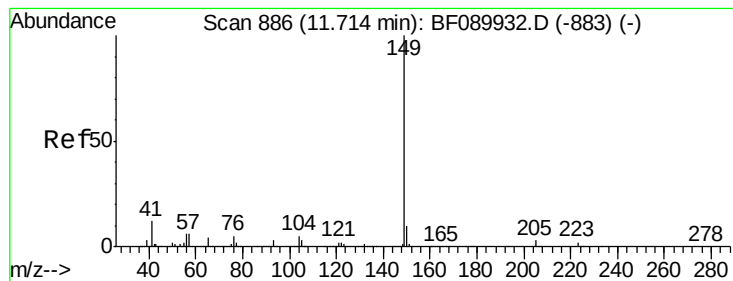
#72
 Carbazole
 Concen: 40.97 ng
 RT: 11.37 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: BF089957.D
 Acq: 31 Aug 2016 18:24

Tgt Ion:167 Resp: 1098266
 Ion Ratio Lower Upper
 167 100
 166 22.2 18.1 27.1
 139 12.7 10.4 15.6



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 41.62 ng

RT: 11.71 min Scan# 886

Delta R.T. 0.00 min

Lab File: BF089957.D

Acq: 31 Aug 2016 18:24

Instrument :

BNA_F

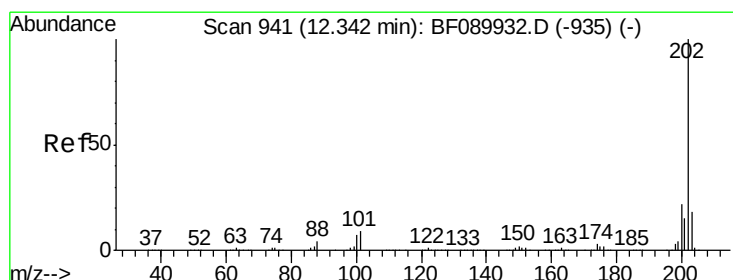
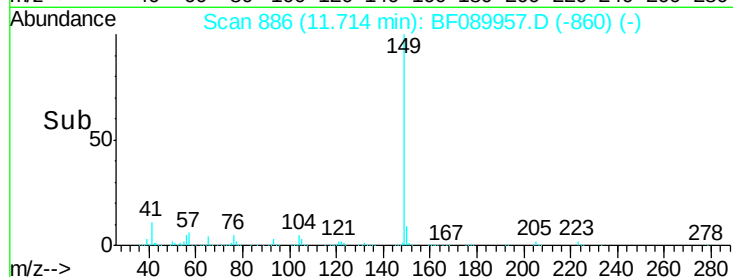
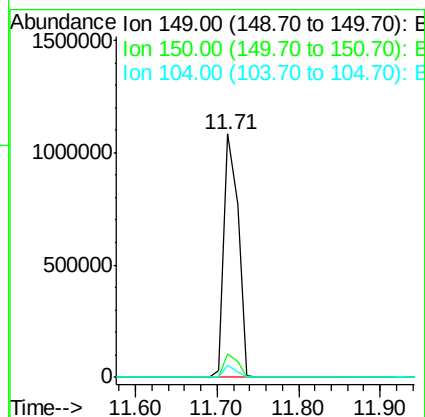
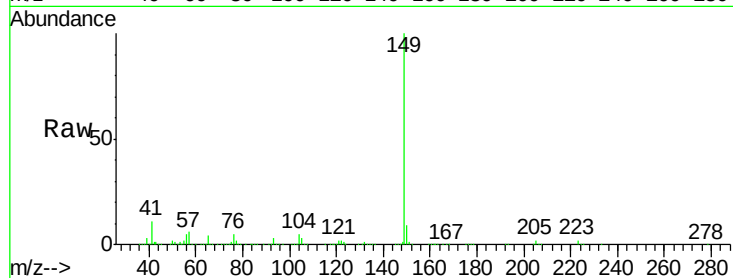
ClientSampleId :

MSP-BPMMS

Tgt Ion:149 Resp: 1300605
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.8 11.8
 104 5.0 3.9 5.9

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#74

Fluoranthene

Concen: 39.06 ng

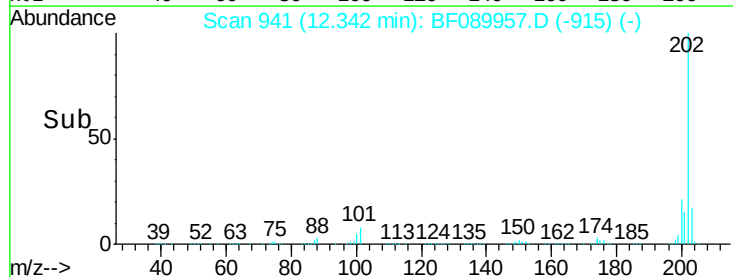
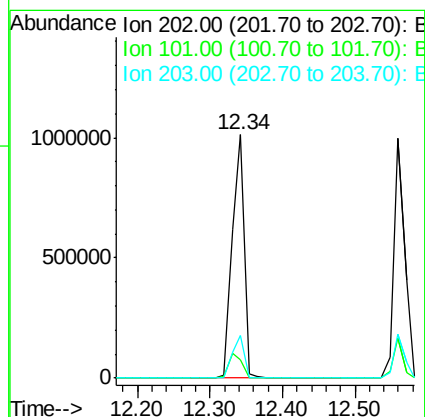
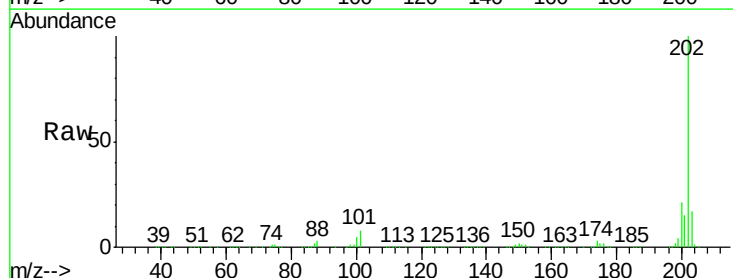
RT: 12.34 min Scan# 941

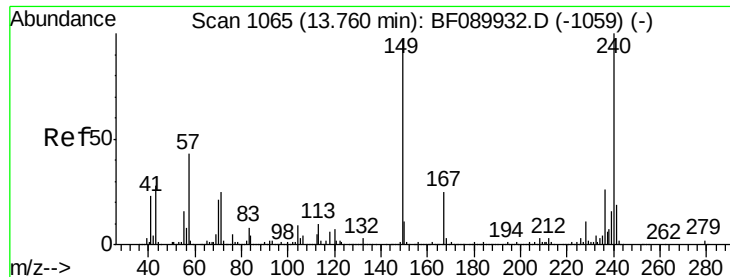
Delta R.T. 0.00 min

Lab File: BF089957.D

Acq: 31 Aug 2016 18:24

Tgt Ion:202 Resp: 1153870
 Ion Ratio Lower Upper
 202 100
 101 7.5 0.0 28.5
 203 17.4 0.0 38.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.76 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BF089957.D

Acq: 31 Aug 2016 18:24

Instrument :

BNA_F

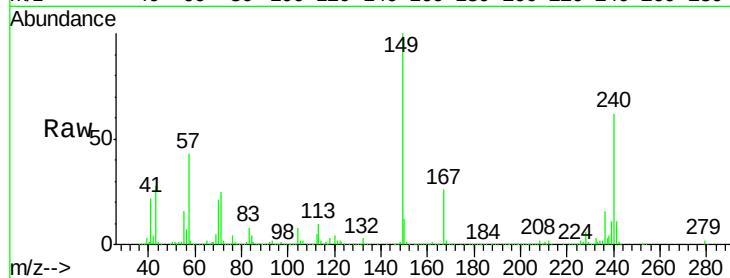
ClientSampleId :

MSP-BPMMS

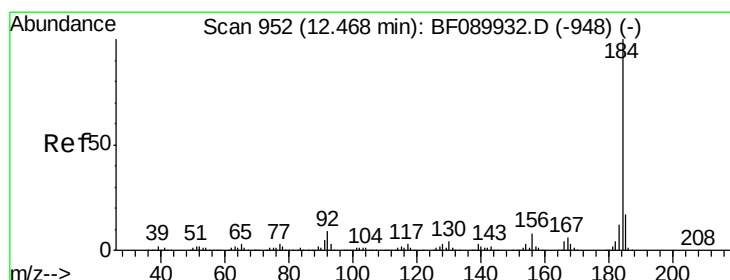
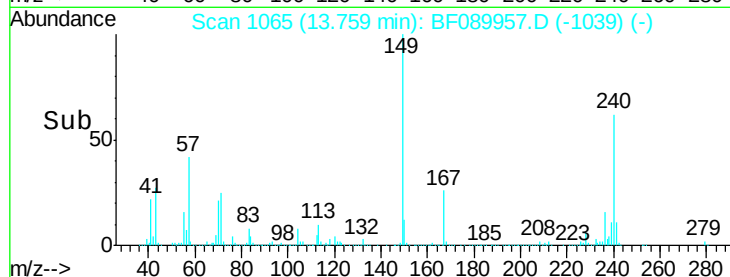
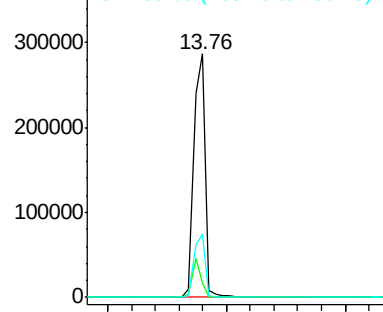
Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.1	5.7	8.5
236	26.1	21.3	31.9

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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: 31.91 ng

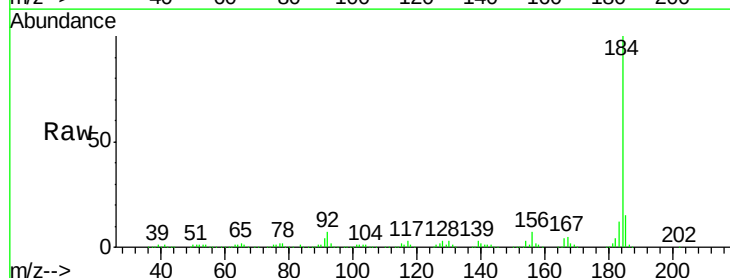
RT: 12.47 min Scan# 952

Delta R.T. 0.00 min

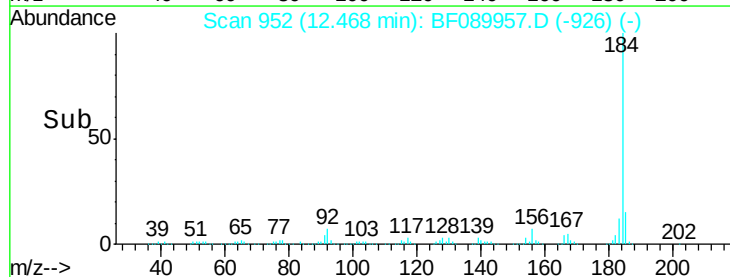
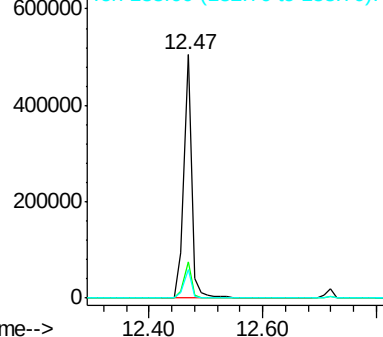
Lab File: BF089957.D

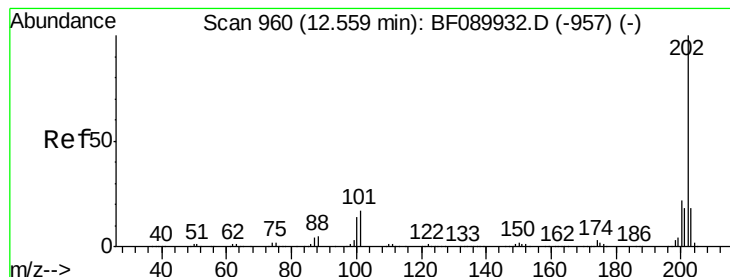
Acq: 31 Aug 2016 18:24

Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.1	13.8	20.8
183	11.6	9.6	14.4



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: 38.28 ng

RT: 12.56 min Scan# 960

Delta R.T. 0.00 min

Lab File: BF089957.D

Acq: 31 Aug 2016 18:24

Instrument :

BNA_F

ClientSampleId :

MSP-BPMMS

Tgt Ion:202 Resp: 1036626

Ion Ratio Lower Upper

202 100

200 22.2 17.6 26.4

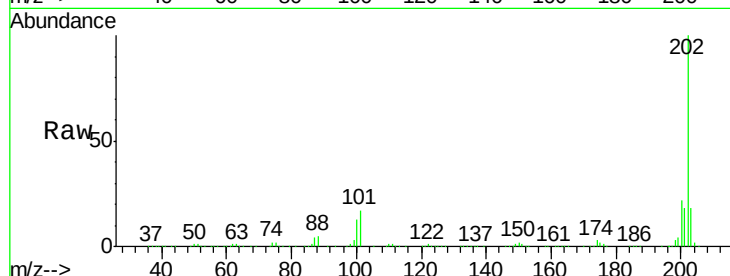
203 18.1 14.6 21.8

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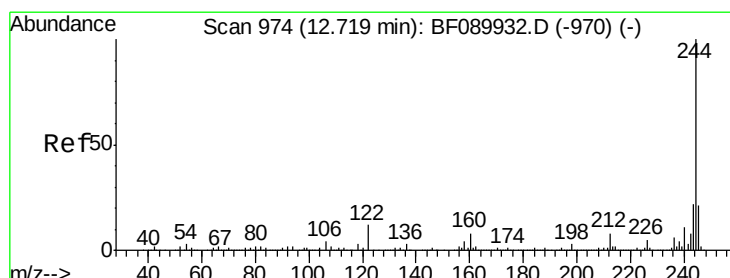
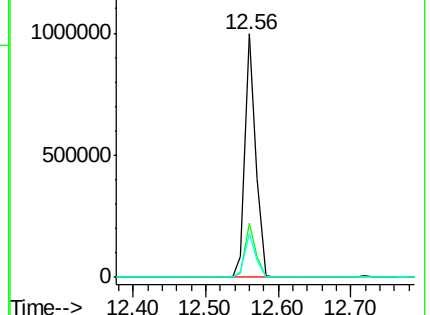
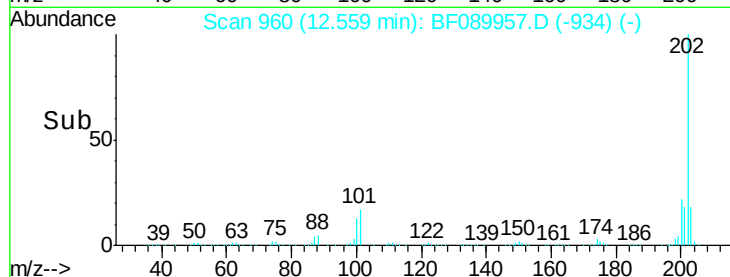
9/1/2016 11:54:19 AM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 84.35 ng

RT: 12.72 min Scan# 974

Delta R.T. 0.00 min

Lab File: BF089957.D

Acq: 31 Aug 2016 18:24

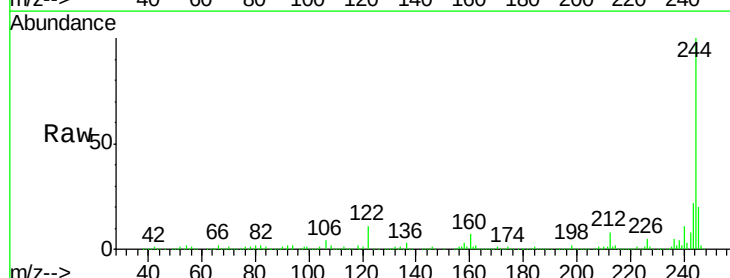
Tgt Ion:244 Resp: 1311524

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

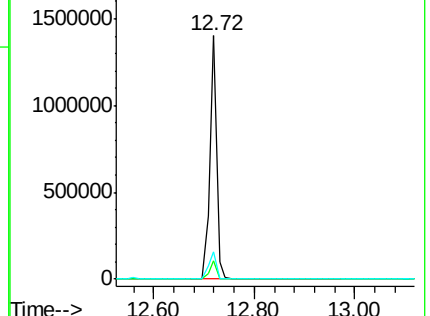
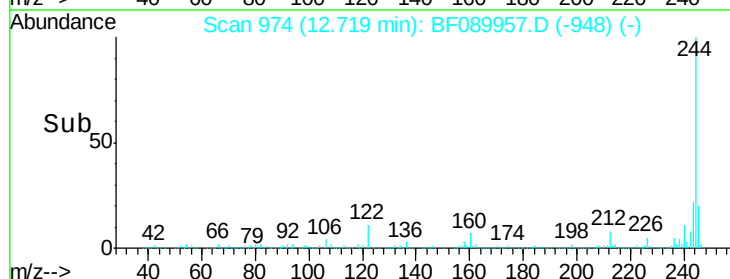
122 11.2 9.6 14.4

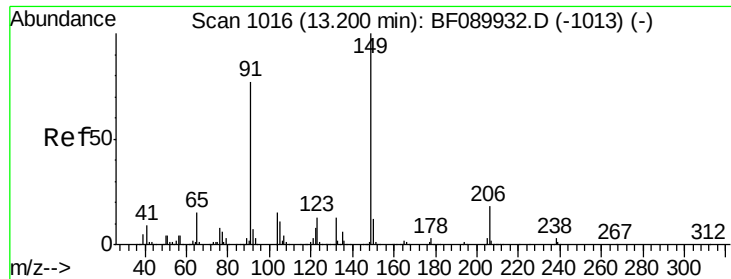


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





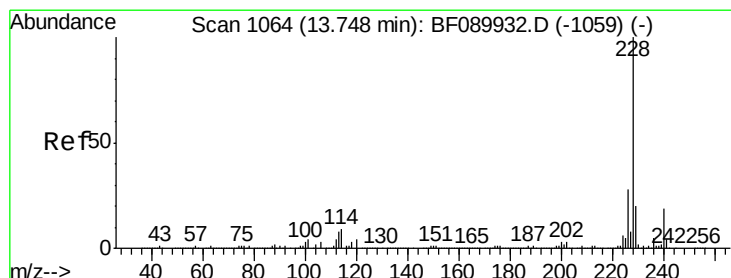
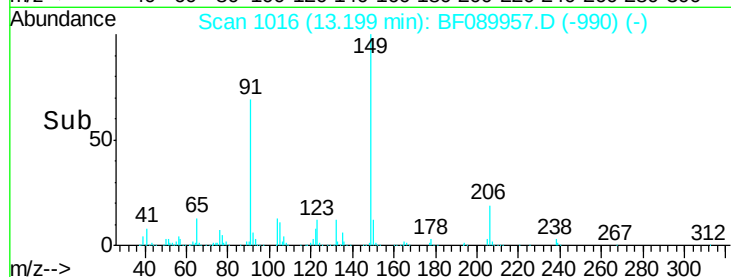
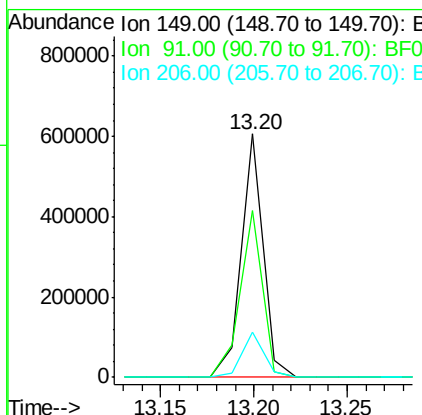
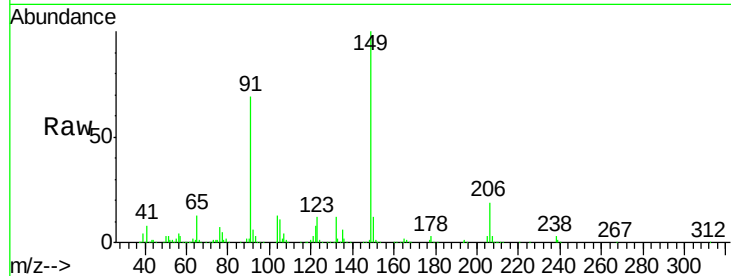
#79
Butylbenzylphthalate
Concen: 45.56 ng
RT: 13.20 min Scan# 1016
Delta R.T. 0.00 min
Lab File: BF089957.D
Acq: 31 Aug 2016 18:24

Instrument :
BNA_F
ClientSampleId :
MSP-BPMMS

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	497550		
91	68.8	60.0	90.0	
206	18.8	15.1	22.7	

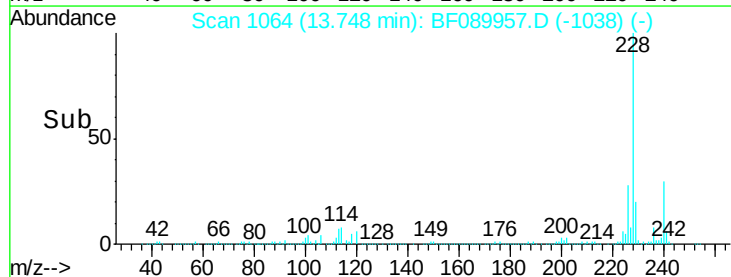
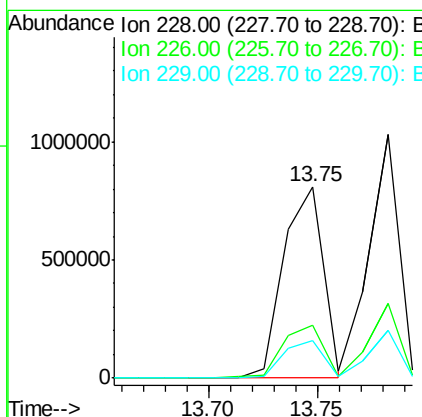
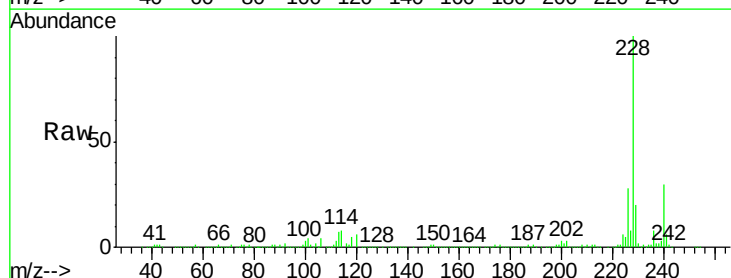
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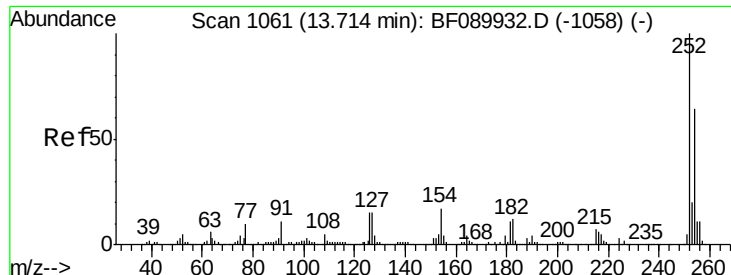
SOHIL
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#80
Benzo(a)anthracene
Concen: 43.94 ng
RT: 13.75 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BF089957.D
Acq: 31 Aug 2016 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1033660		
226	27.7	22.2	33.2	
229	19.8	15.8	23.6	





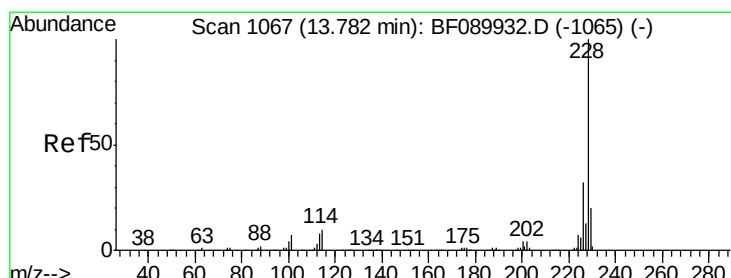
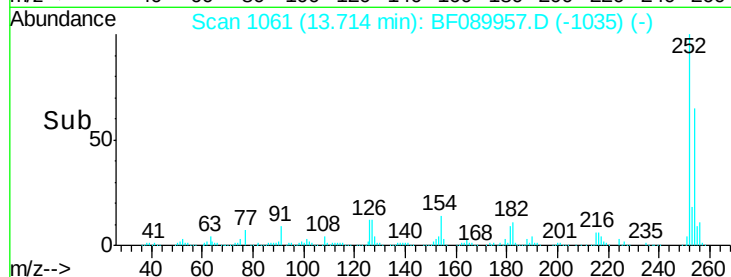
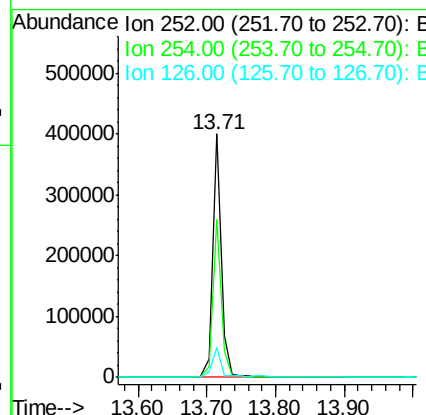
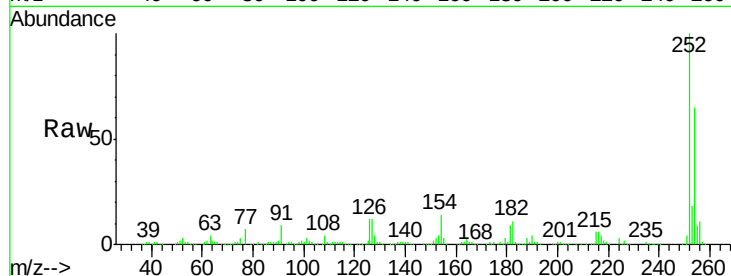
#81
 3,3'-Dichlorobenzidine
 Concen: 41.67 ng
 RT: 13.71 min Scan# 1061
 Delta R.T. 0.00 min
 Lab File: BF089957.D
 Acq: 31 Aug 2016 18:24

Instrument :
 BNA_F
 ClientSampleId :
 MSP-BPMMS

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	353810		
254	65.0	51.3	76.9	
126	12.2	12.3	18.5	

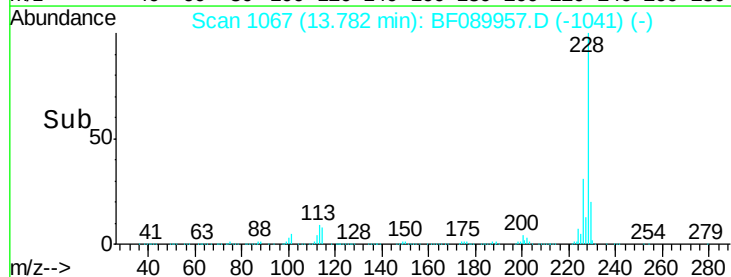
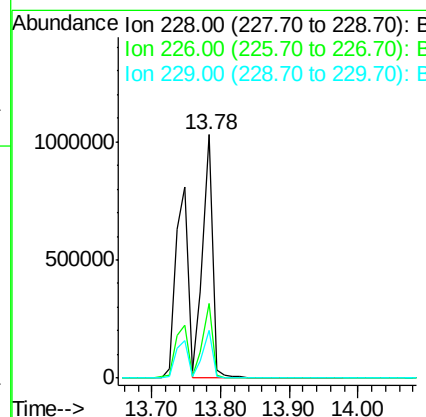
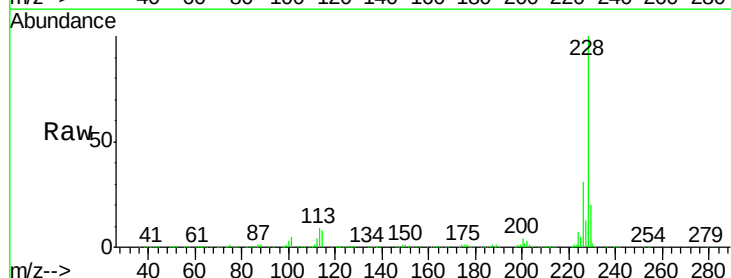
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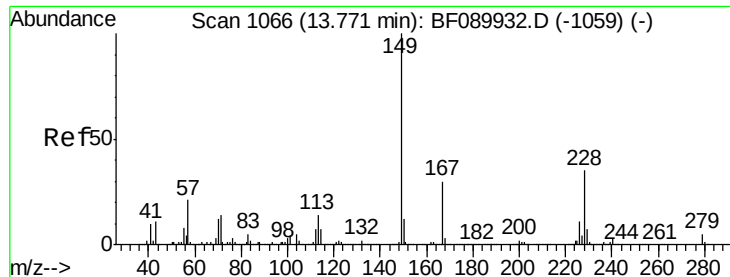
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#82
 Chrysene
 Concen: 45.80 ng
 RT: 13.78 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: BF089957.D
 Acq: 31 Aug 2016 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1006453		
226	30.8	25.2	37.8	
229	19.8	16.2	24.2	





#83

Bis(2-ethylhexyl)phthalate

Concen: 42.43 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.01 min

Lab File: BF089957.D

Acq: 31 Aug 2016 18:24

Instrument :

BNA_F

ClientSampleId :

MSP-BPMMS

Tgt Ion:149 Resp: 640909
Ion Ratio Lower Upper

149 100

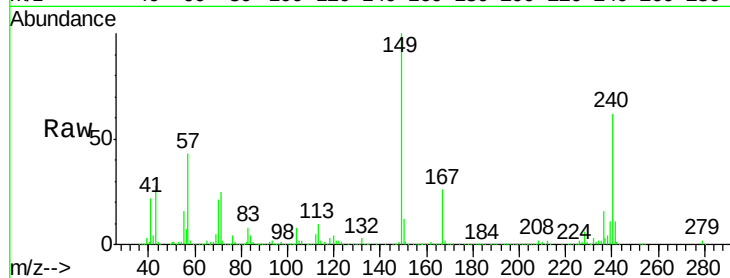
167 25.8 23.6 35.4

279 1.7 3.4 5.2#

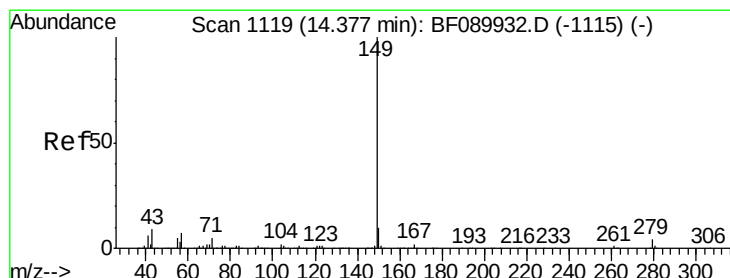
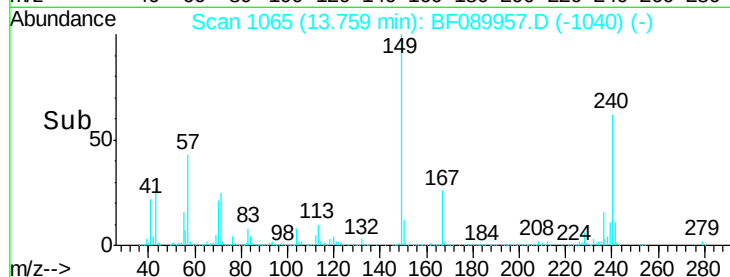
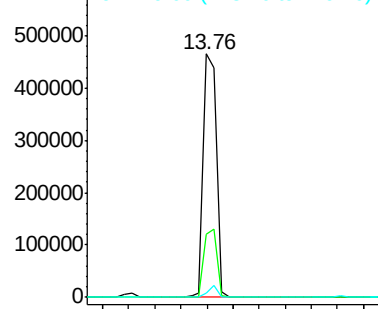
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 48.74 ng

RT: 14.38 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BF089957.D

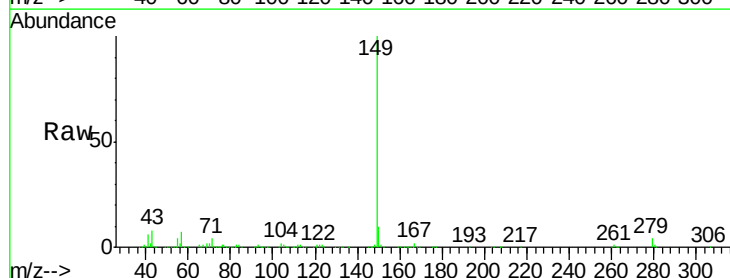
Acq: 31 Aug 2016 18:24

Tgt Ion:149 Resp: 1188331
Ion Ratio Lower Upper

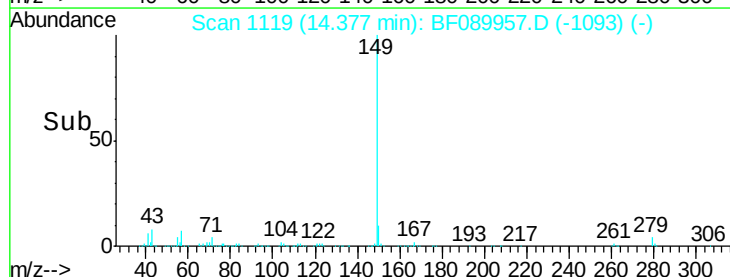
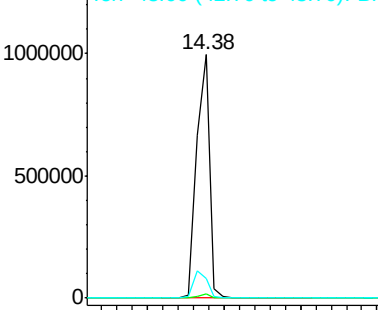
149 100

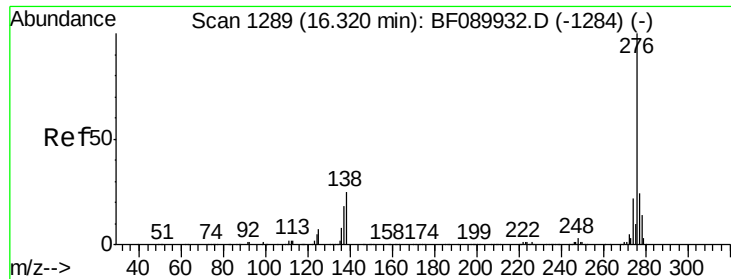
167 1.5 1.2 1.8

43 11.6 9.3 13.9



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0





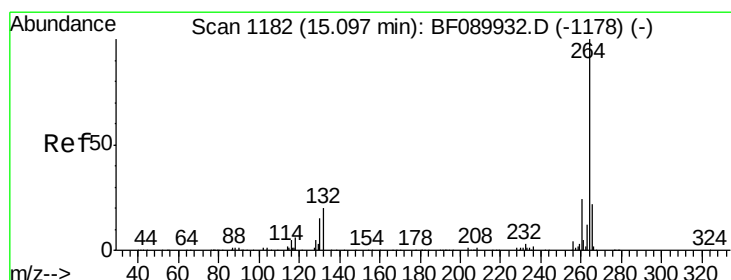
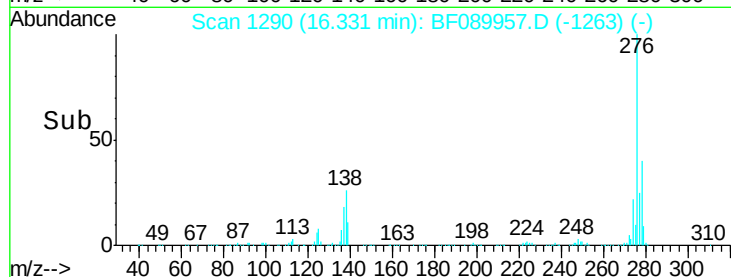
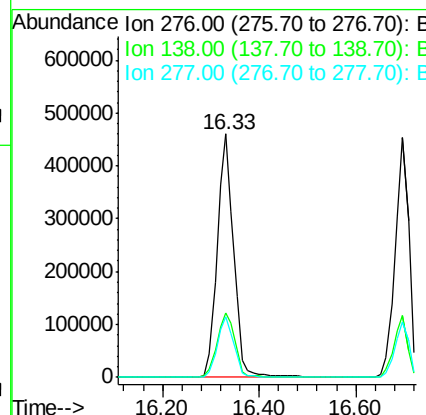
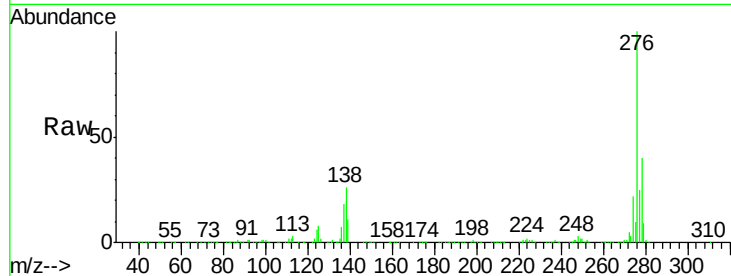
#85
Indeno(1,2,3-cd)pyrene
Concen: 68.04 ng
RT: 16.33 min Scan# 1290
Delta R.T. 0.01 min
Lab File: BF089957.D
Acq: 31 Aug 2016 18:24

Instrument :
BNA_F
ClientSampleId :
MSP-BPMMS

Tgt Ion: 276 Resp: 1105295
Ion Ratio Lower Upper
276 100
138 28.9 22.6 34.0
277 25.3 20.1 30.1

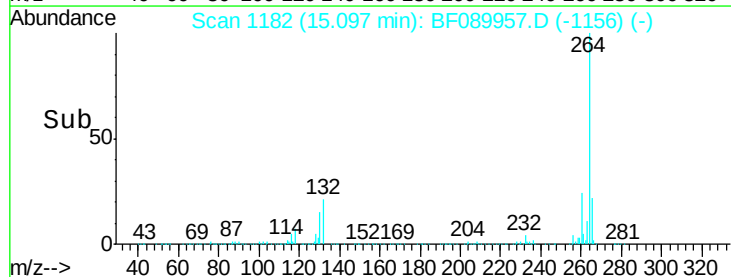
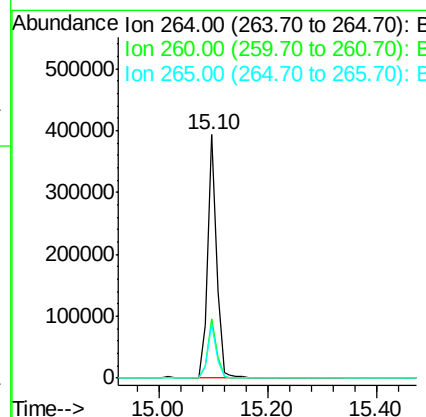
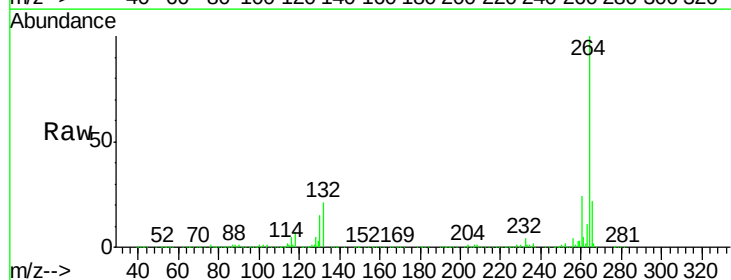
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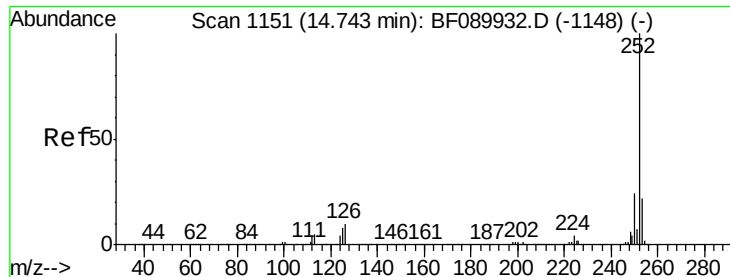
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.10 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BF089957.D
Acq: 31 Aug 2016 18:24

Tgt Ion: 264 Resp: 443697
Ion Ratio Lower Upper
264 100
260 24.5 19.4 29.0
265 22.1 17.4 26.2





#87

Benzo(b)fluoranthene

Concen: 44.51 ng m

RT: 14.74 min Scan# 1151

Delta R.T. 0.00 min

Lab File: BF089957.D

Acq: 31 Aug 2016 18:24

Instrument :

BNA_F

ClientSampleId :

MSP-BPMMS

Tgt Ion:252 Resp: 1237250

Ion Ratio Lower Upper

252 100

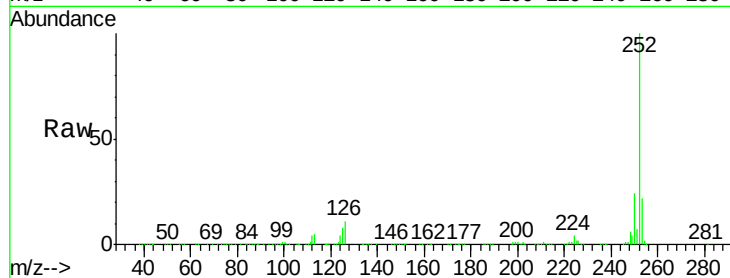
253 22.0 18.0 27.0

125 7.6 5.7 8.5

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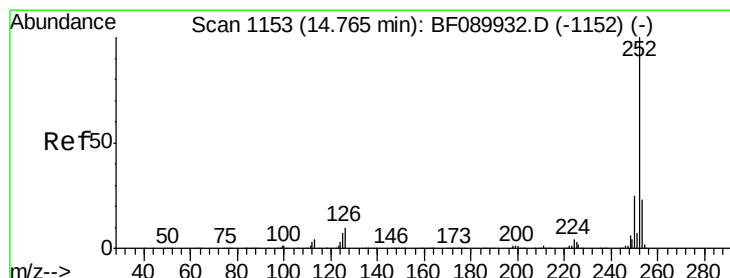
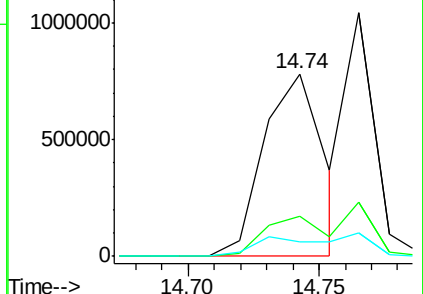
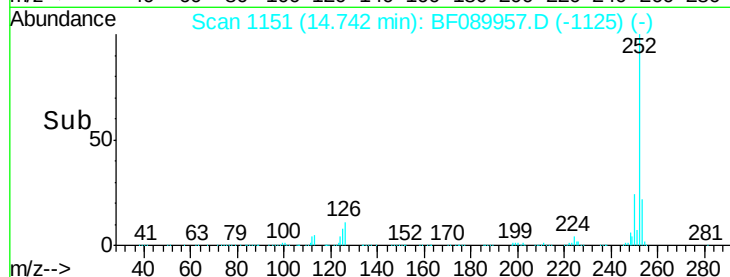
9/1/2016 11:54:19 AM



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 34.04 ng m

RT: 14.77 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BF089957.D

Acq: 31 Aug 2016 18:24

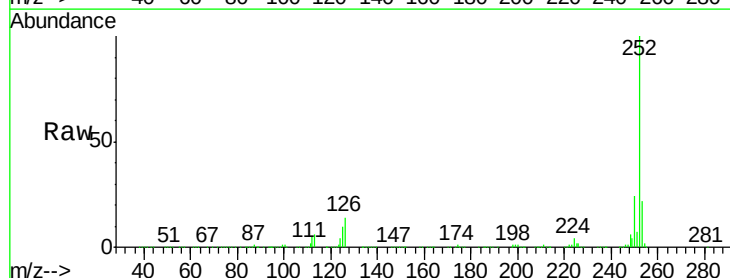
Tgt Ion:252 Resp: 802856

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

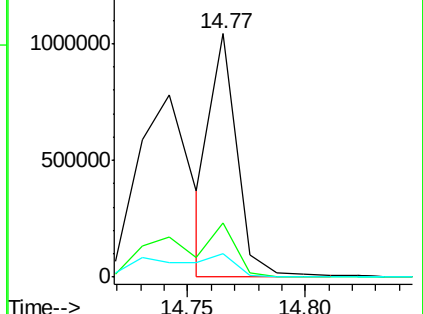
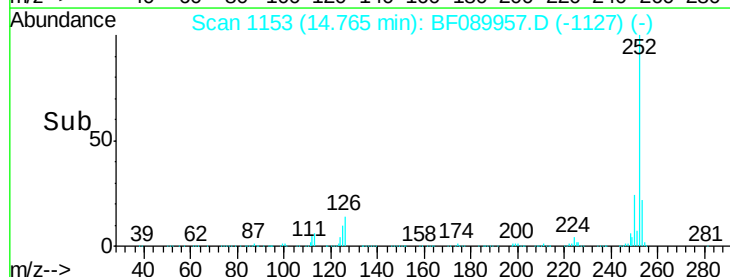
125 9.7 7.3 10.9

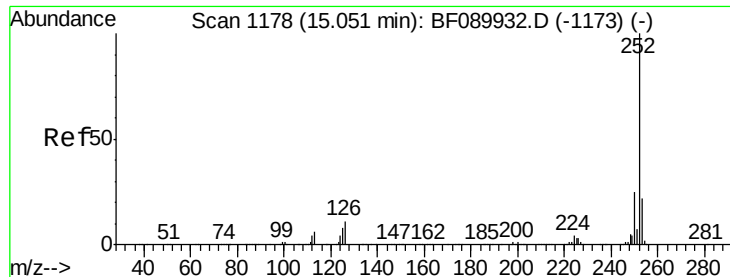


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





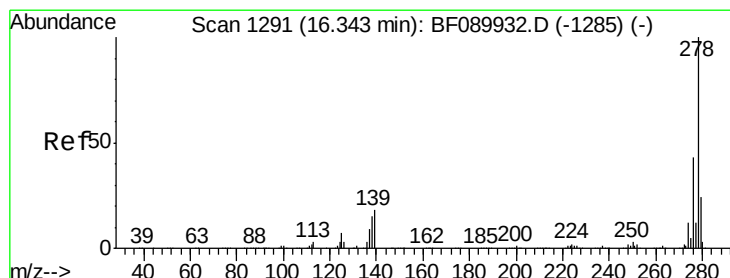
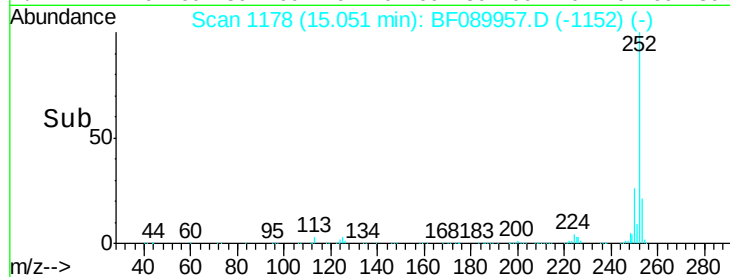
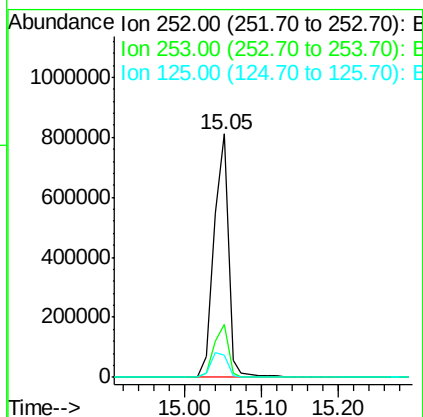
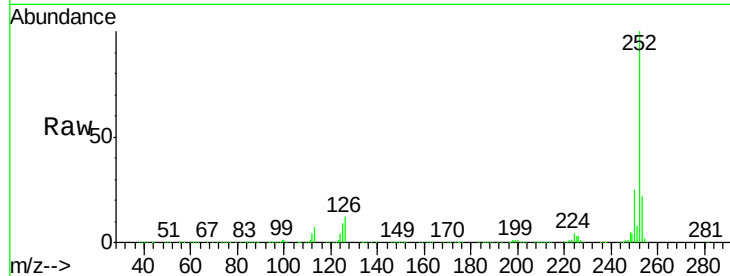
#89
Benzo(a)pyrene
Concen: 43.92 ng
RT: 15.05 min Scan# 1178
Delta R.T. 0.00 min
Lab File: BF089957.D
Acq: 31 Aug 2016 18:24

Instrument :
BNA_F
ClientSampleId :
MSP-BPMMS

Tgt Ion: 252 Resp: 1045814
Ion Ratio Lower Upper
252 100
253 21.7 17.5 26.3
125 9.0 6.3 9.5

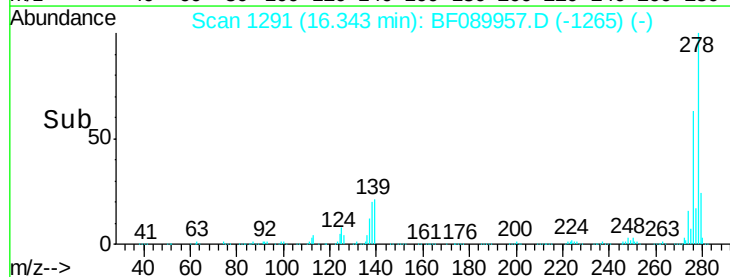
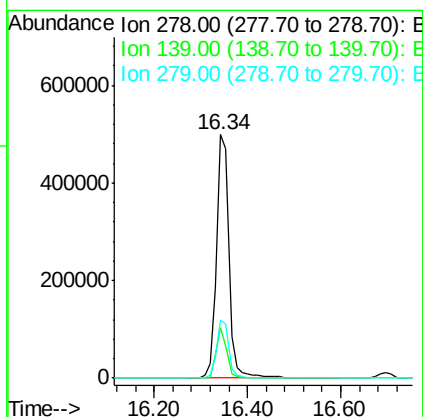
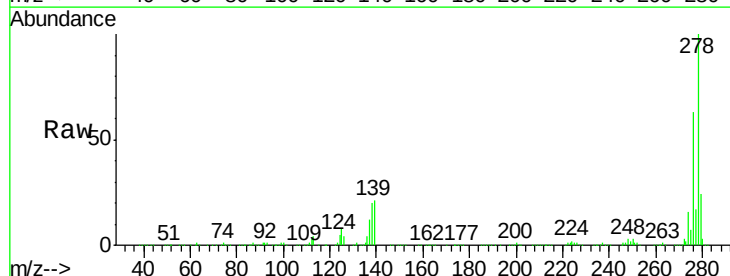
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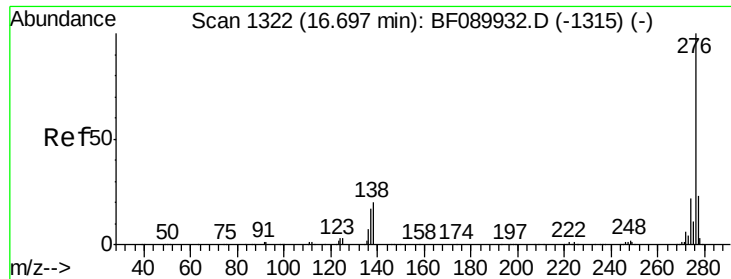
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#90
Dibenzo(a,h)anthracene
Concen: 53.40 ng
RT: 16.34 min Scan# 1291
Delta R.T. 0.00 min
Lab File: BF089957.D
Acq: 31 Aug 2016 18:24

Tgt Ion: 278 Resp: 931719
Ion Ratio Lower Upper
278 100
139 20.6 13.4 20.2#
279 23.8 19.4 29.2





#91
 Benzo(g,h,i)perylene
 Concen: 51.50 ng
 RT: 16.70 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: BF089957.D
 Acq: 31 Aug 2016 18:24

Instrument :
 BNA_F
 ClientSampleId :
 MSP-BPMMS

Tgt Ion:	276	Resp:	904516
Ion Ratio		Lower	Upper
276	100		
277	23.3	19.0	28.4
138	26.0	16.4	24.6

Manual Integrations
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