

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF020419\
 Data File : BF112383.D
 Acq On : 4 Feb 2019 16:39
 Operator : JU/SJ
 Sample : K1359-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3

Quant Time: Feb 04 23:46:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	182324	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	720316	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	340990	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	648053	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	439887	20.00	ng	-0.01
87) Perylene-d12	15.46	264	374063	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	680609	79.29	ng	-0.01
7) Phenol-d6	6.47	99	568642	47.67	ng	-0.02
23) Nitrobenzene-d5	7.39	82	924530	73.96	ng	-0.02
42) 2,4,6-Tribromophenol	10.67	330	461894	116.37	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1795924	74.49	ng	-0.02
79) Terphenyl-d14	12.94	244	1840479	78.80	ng	-0.01

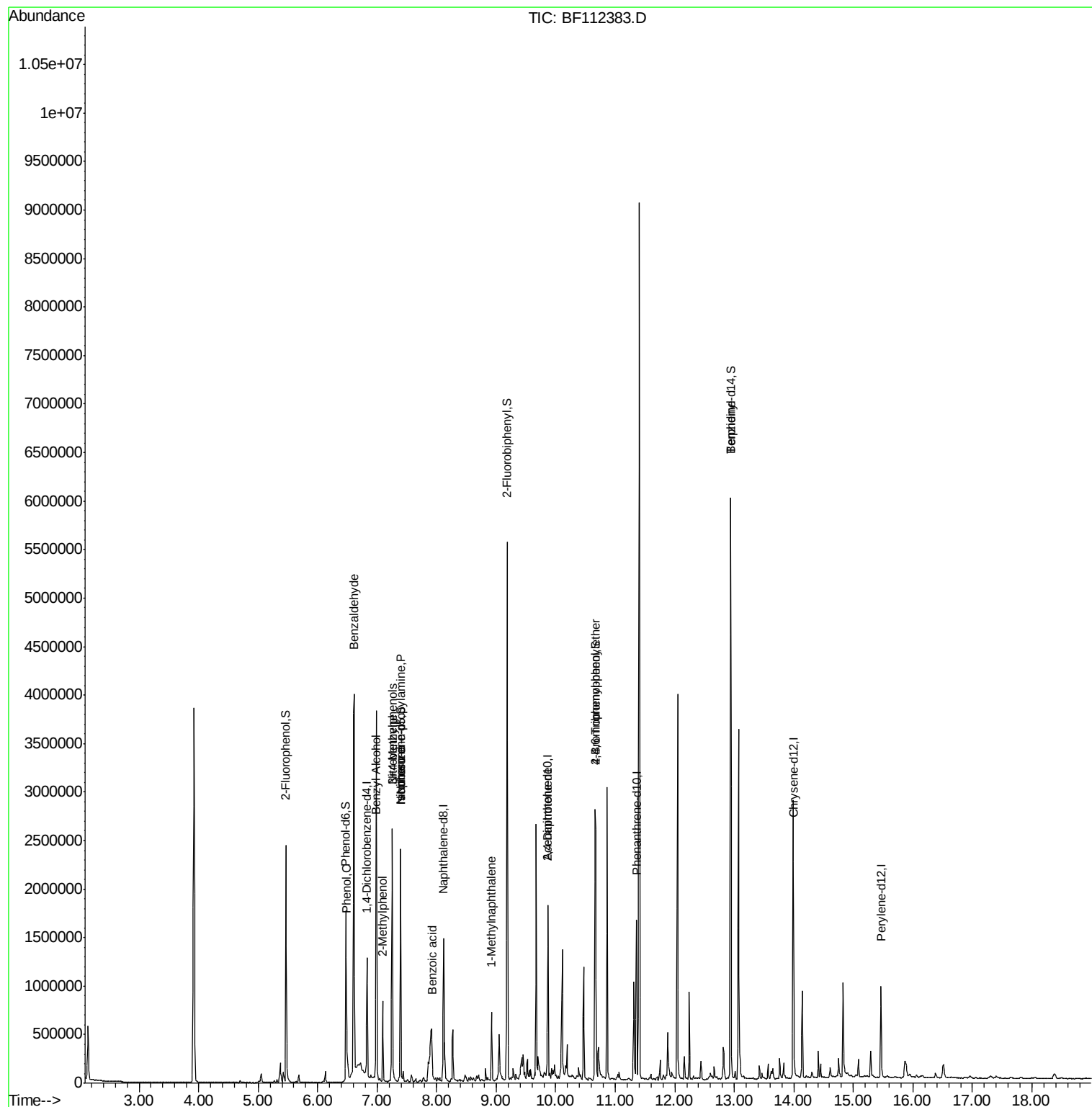
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.61	77	26106	4.188	ng	82
10) Phenol	6.49	94	47614	3.639	ng	87
15) Benzyl Alcohol	6.97	79	58441	5.812	ng	92
17) 2-Methylphenol	7.09	107	133054	14.535	ng	97
19) n-Nitroso-di-n-propylamine	7.39	70	124922	15.189	ng	# 78
20) 3+4-Methylphenols	7.25	107	709192	60.586	ng	# 59
24) Nitrobenzene	7.25	77	232752	18.642	ng	# 42
25) Isophorone	7.39	82	921713	46.998	ng	# 63
32) Benzoic acid	7.93	122	17344	3.308	ng	93
38) 1-Methylnaphthalene	8.92	142	191913	8.683	ng	99
57) 2,4-Dinitrotoluene	9.87	165	44444	5.884	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	28387	3.724	ng	# 1
77) Benzidine	12.94	184	25143	2.077	ng	# 92

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

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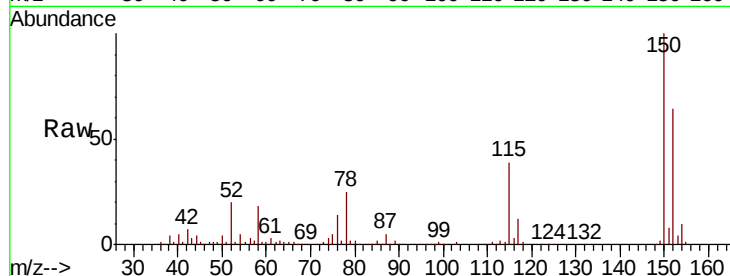




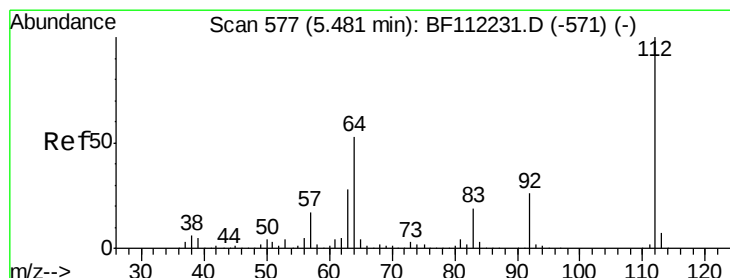
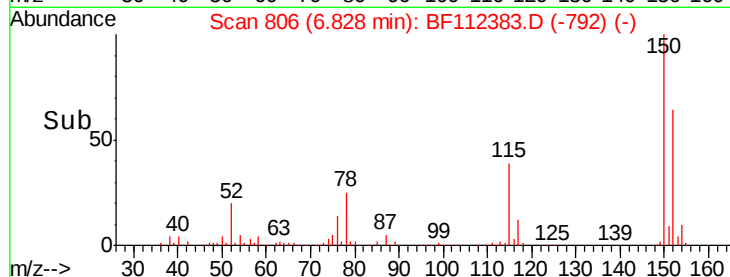
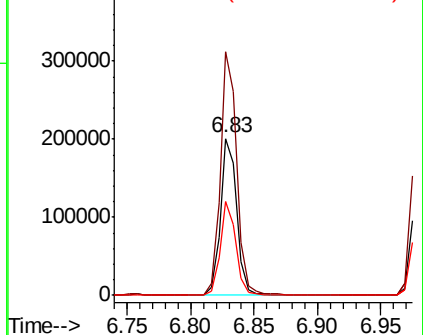
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 806
 Delta R.T. -0.02 min
 Lab File: BF112383.D
 Acq: 4 Feb 2019 16:39

Instrument :
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Tgt Ion:152 Resp: 182324
 Ion Ratio Lower Upper
 152 100
 150 155.3 127.4 191.0
 115 60.2 45.5 68.3

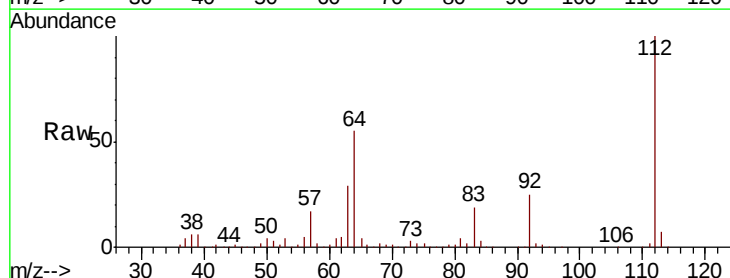


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

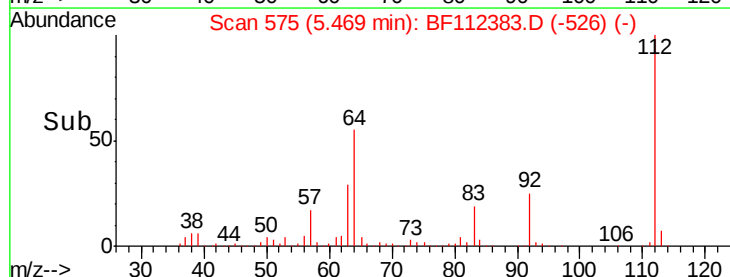
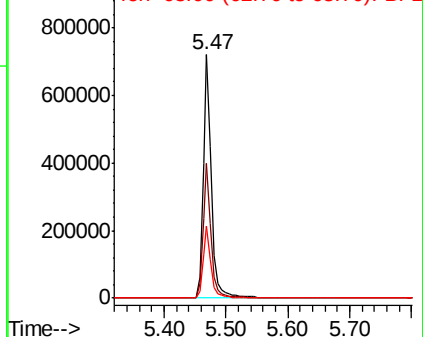


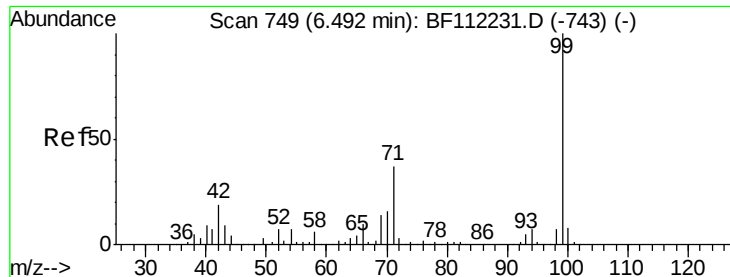
#5
 2-Fluorophenol
 Concen: 79.291 ng
 RT: 5.47 min Scan# 575
 Delta R.T. -0.01 min
 Lab File: BF112383.D
 Acq: 4 Feb 2019 16:39

Tgt Ion:112 Resp: 680609
 Ion Ratio Lower Upper
 112 100
 64 55.1 45.7 68.5
 63 29.5 23.6 35.4



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 47.675 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF112383.D

Acq: 4 Feb 2019 16:39

Instrument :

BNA_F

ClientSampleId :

COMP-3

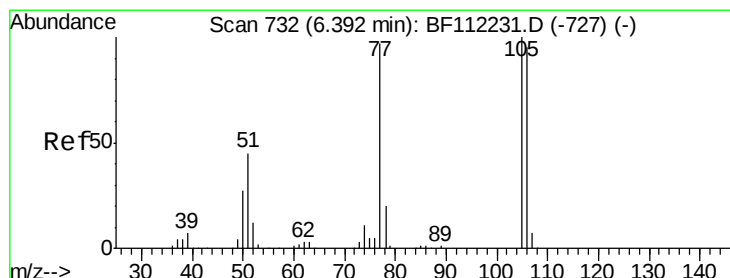
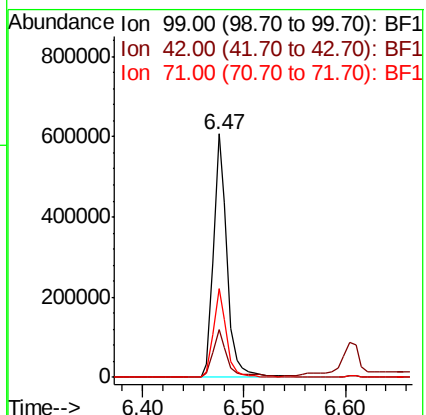
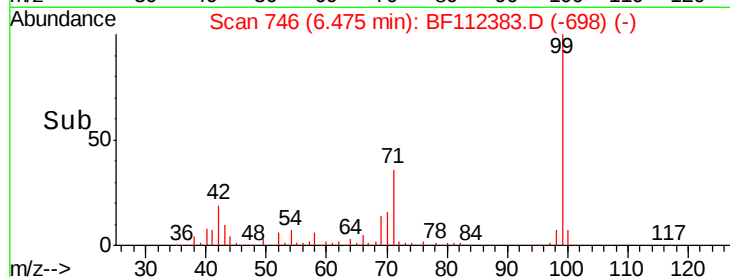
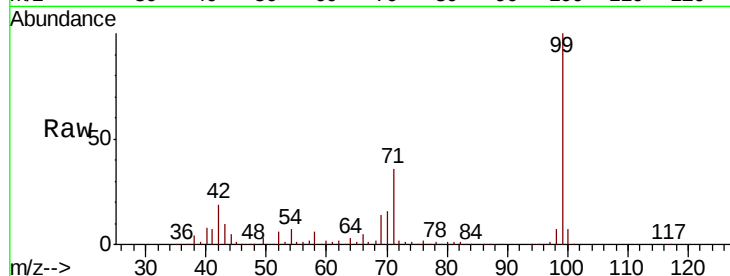
Tgt Ion: 99 Resp: 568642

Ion Ratio Lower Upper

99 100

42 19.4 15.1 22.7

71 36.5 26.9 40.3



#9

Benzaldehyde

Concen: 4.188 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.22 min

Lab File: BF112383.D

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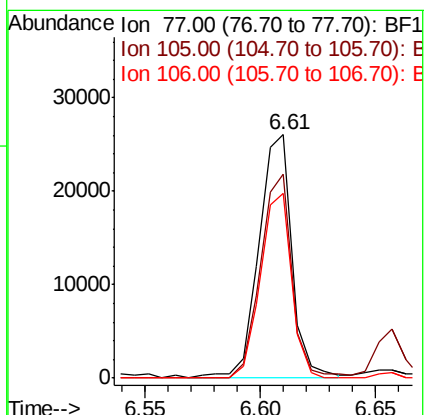
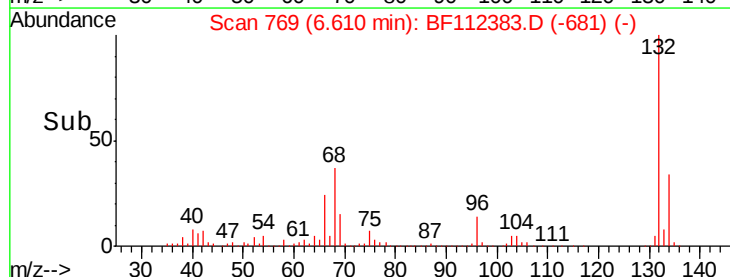
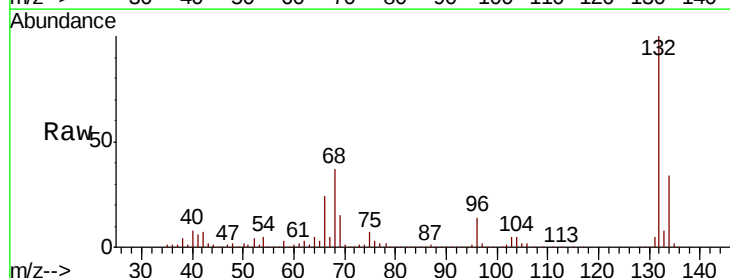
Tgt Ion: 77 Resp: 26106

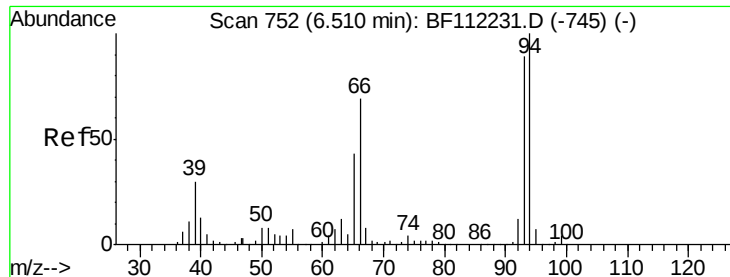
Ion Ratio Lower Upper

77 100

105 83.9 80.8 120.8

106 75.9 75.7 115.7





#10

Phenol

Concen: 3.639 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF112383.D

Acq: 4 Feb 2019 16:39

Instrument :

BNA_F

ClientSampleId :

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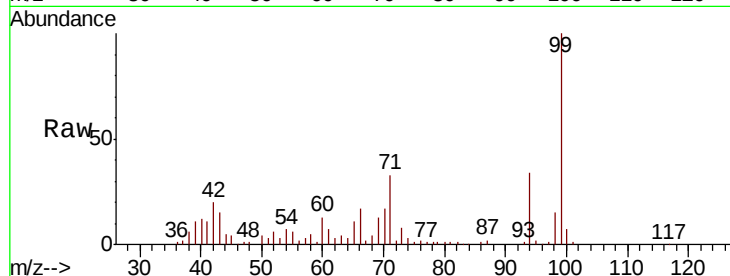
Tgt Ion: 94 Resp: 47614

Ion Ratio Lower Upper

94 100

65 34.1 20.3 60.3

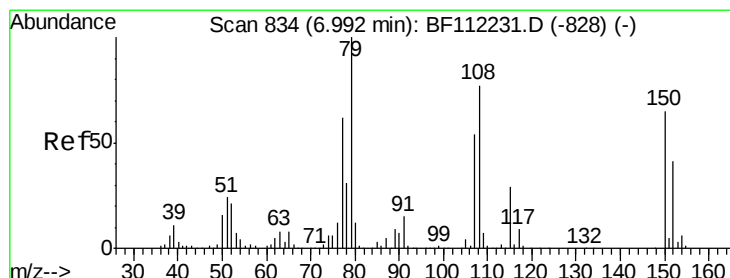
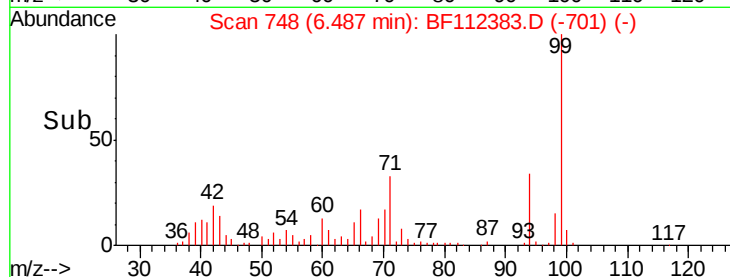
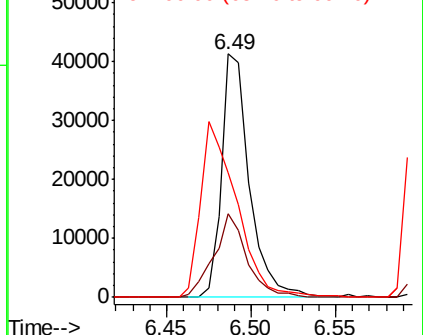
66 51.2 42.4 82.4



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



#15

Benzyl Alcohol

Concen: 5.812 ng

RT: 6.97 min Scan# 831

Delta R.T. -0.02 min

Lab File: BF112383.D

Acq: 4 Feb 2019 16:39

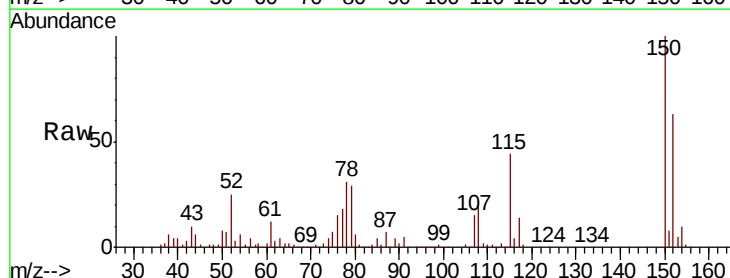
Tgt Ion: 79 Resp: 58441

Ion Ratio Lower Upper

79 100

108 69.5 64.2 96.2

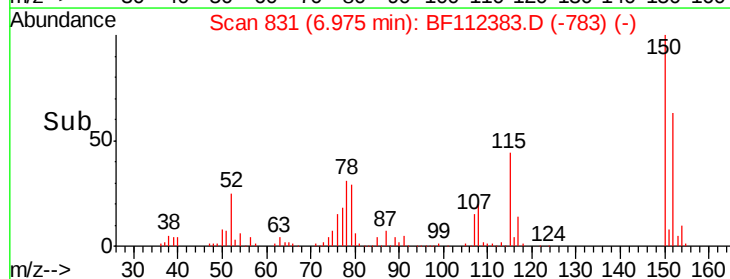
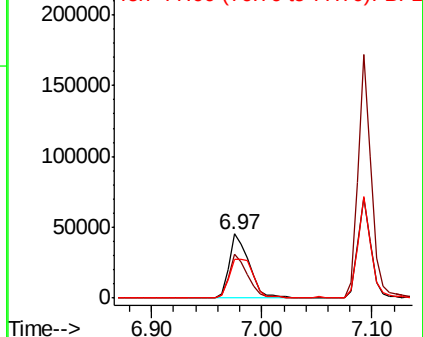
77 61.4 50.3 75.5

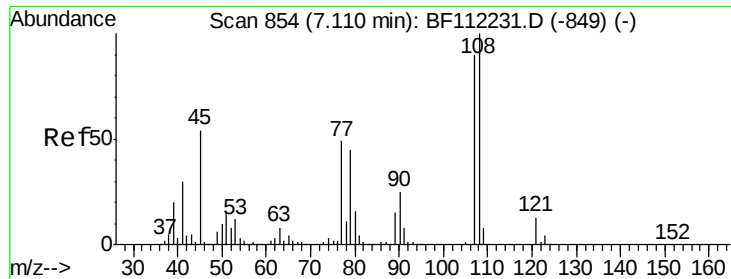


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

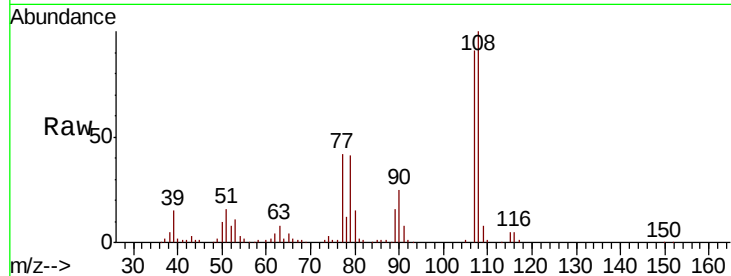




#17
2-Methylphenol
Concen: 14.535 ng
RT: 7.09 min Scan# 851
Delta R.T. -0.02 min
Lab File: BF112383.D
Acq: 4 Feb 2019 16:39

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:	107	Resp:	133054
Ion	Ratio	Lower	Upper
107	100		
108	110.1	91.3	136.9
77	46.1	39.0	58.6
79	45.2	37.0	55.4



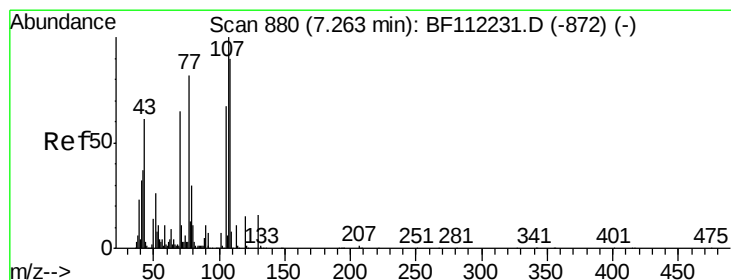
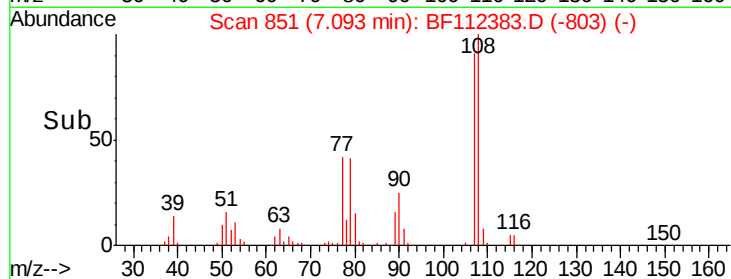
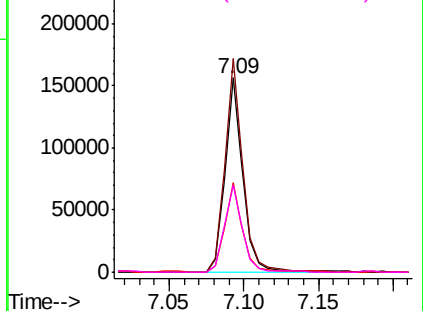
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

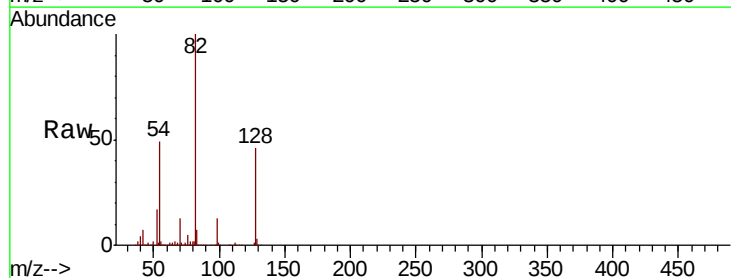
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#19
n-Nitroso-di-n-propylamine
Concen: 15.189 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.13 min
Lab File: BF112383.D
Acq: 4 Feb 2019 16:39

Tgt Ion:	70	Resp:	124922
Ion	Ratio	Lower	Upper
70	100		
42	49.4	47.6	71.4
101	0.0	7.9	11.9#
130	2.3	18.4	27.6#



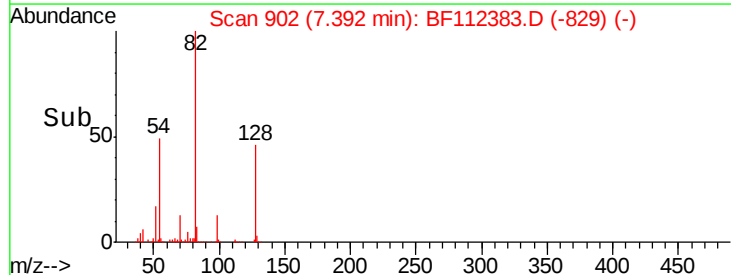
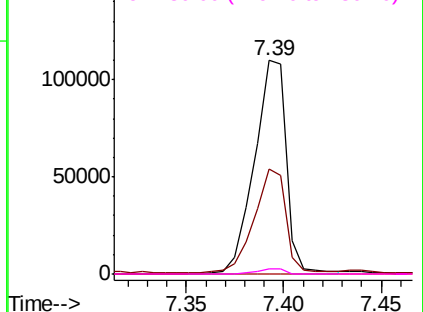
Abundance

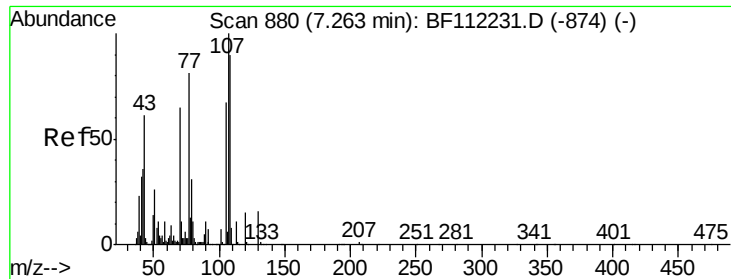
Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

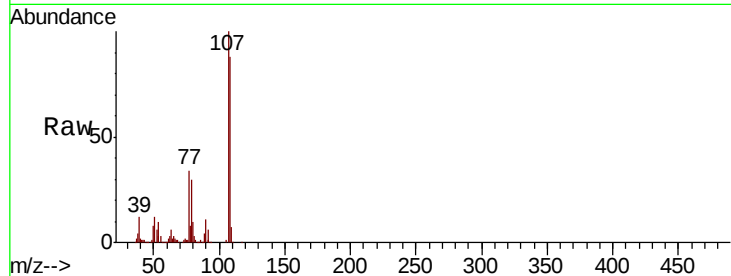




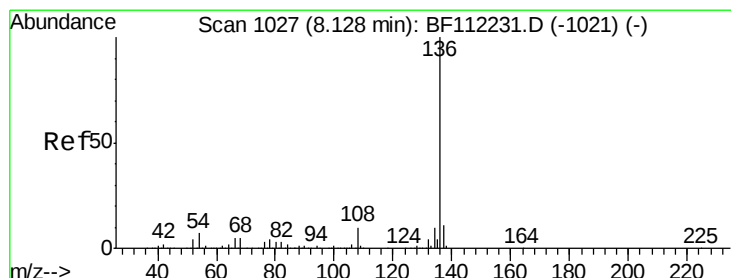
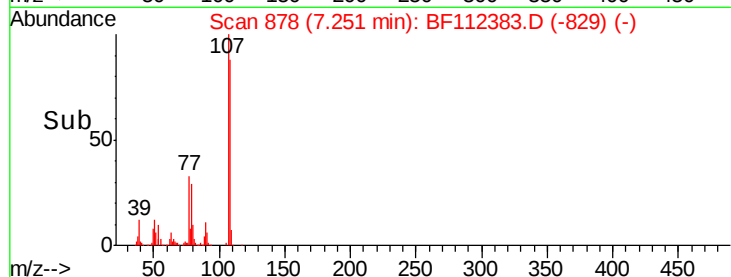
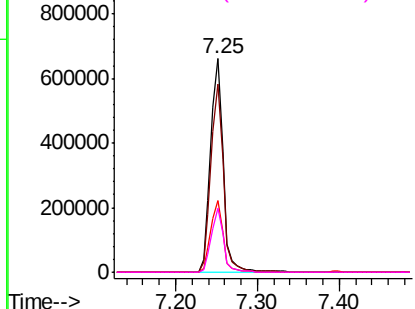
#20
3+4-Methylphenols
Concen: 60.586 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF112383.D
Acq: 4 Feb 2019 16:39

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Tgt Ion:	107	Resp:	709192
Ion	Ratio	Lower	Upper
107	100		
108	88.4	68.2	108.2
77	33.6	100.7	140.7#
79	29.8	7.3	47.3

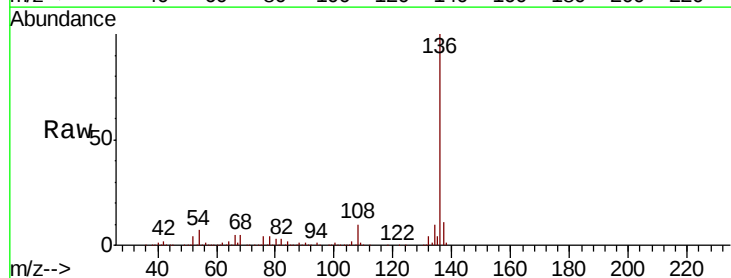


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

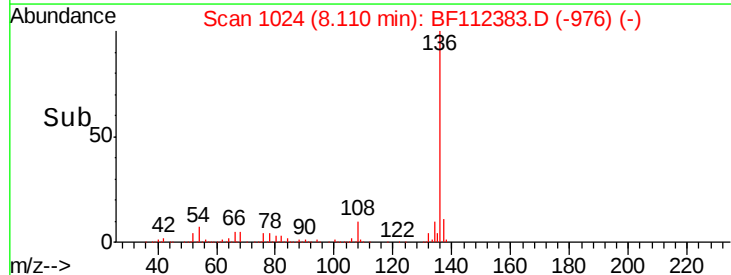
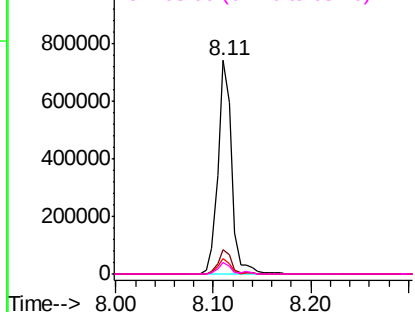


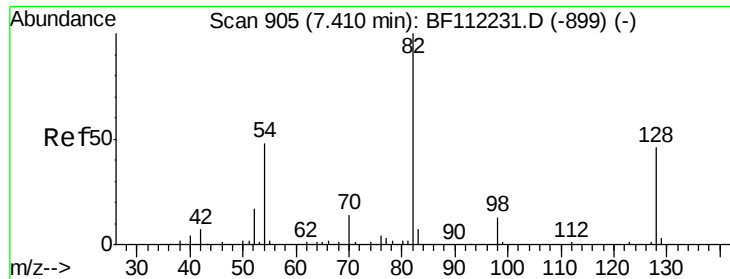
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BF112383.D
Acq: 4 Feb 2019 16:39

Tgt Ion:	136	Resp:	720316
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	7.0	5.9	8.9
68	5.4	5.1	7.7



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

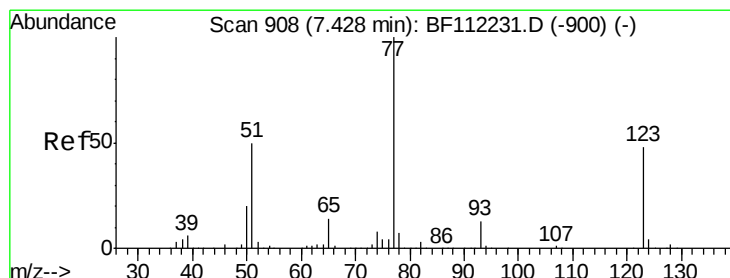
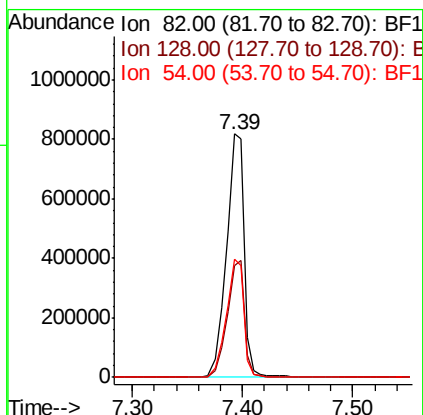
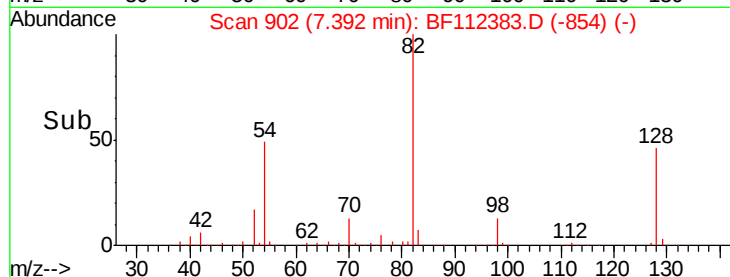
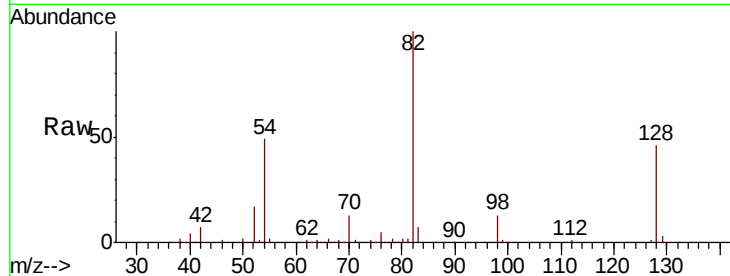




#23
 Nitrobenzene-d5
 Concen: 73.955 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.02 min
 Lab File: BF112383.D
 Acq: 4 Feb 2019 16:39

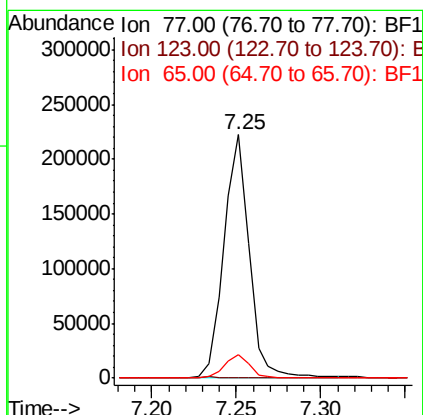
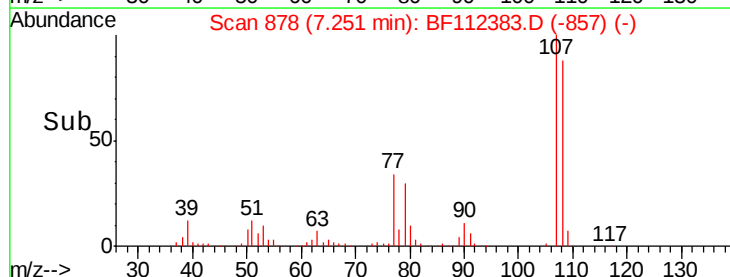
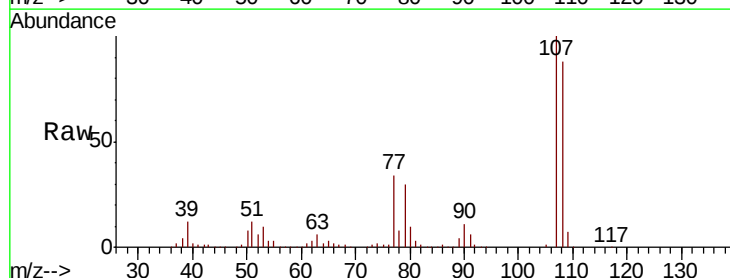
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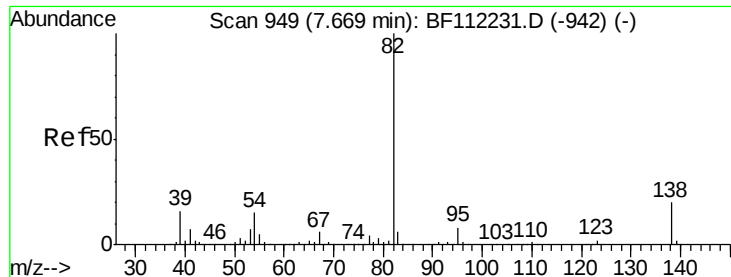
Tgt Ion: 82 Resp: 924530
 Ion Ratio Lower Upper
 82 100
 128 45.9 37.8 56.8
 54 48.7 39.7 59.5



#24
 Nitrobenzene
 Concen: 18.642 ng
 RT: 7.25 min Scan# 878
 Delta R.T. -0.18 min
 Lab File: BF112383.D
 Acq: 4 Feb 2019 16:39

Tgt Ion: 77 Resp: 232752
 Ion Ratio Lower Upper
 77 100
 123 0.0 38.4 57.6#
 65 9.7 10.6 15.8#

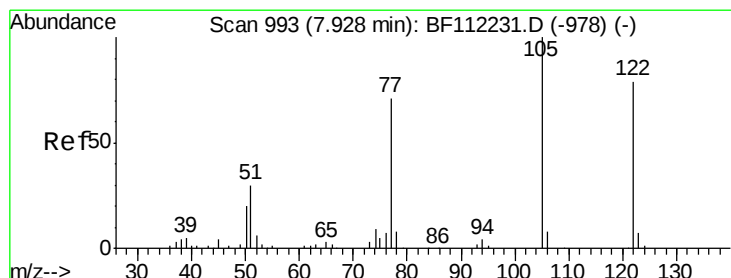
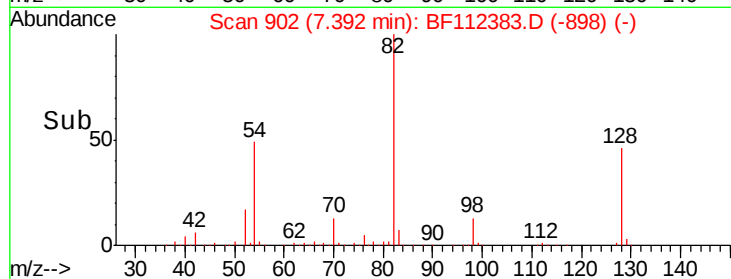
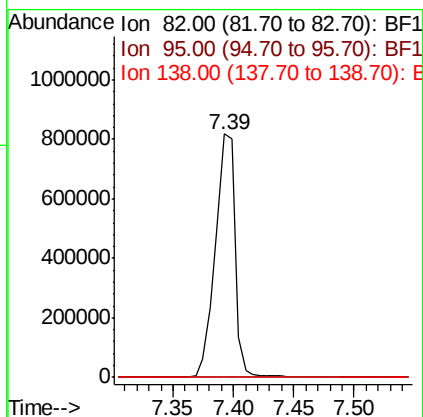
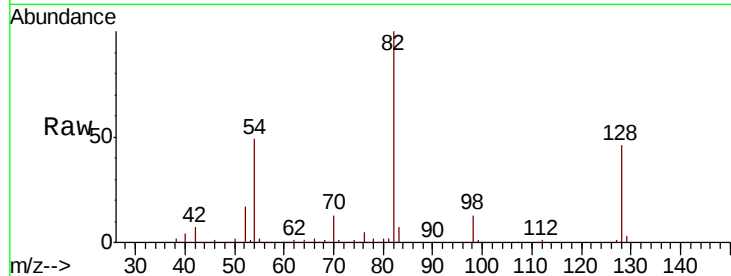




#25
Isophorone
Concen: 46.998 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.28 min
Lab File: BF112383.D
Acq: 4 Feb 2019 16:39

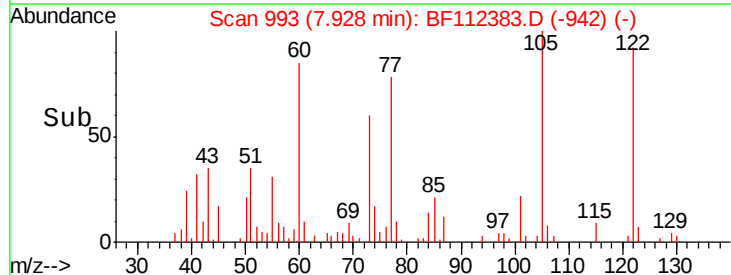
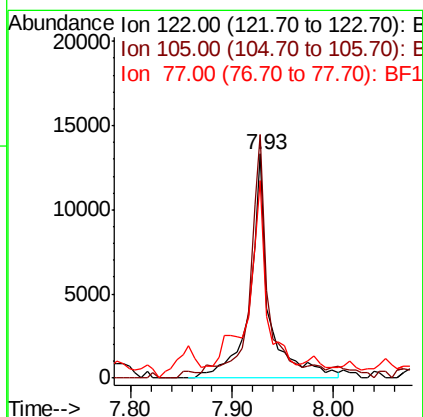
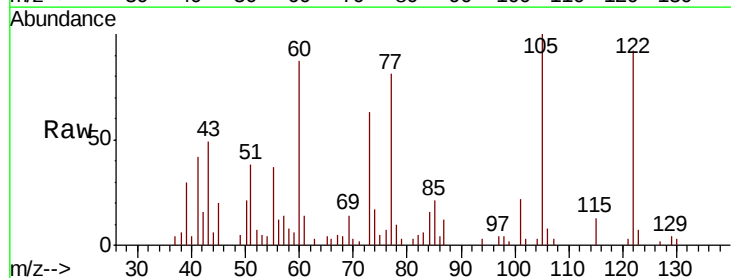
Instrument :
BNA_F
ClientSampleId :
COMP-3

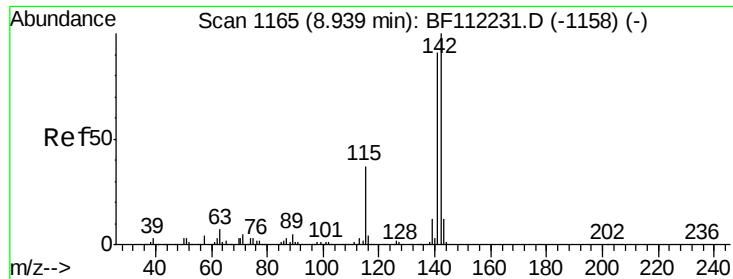
Tgt Ion: 82 Resp: 921713
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 15.4 23.0#



#32
Benzoic acid
Concen: 3.308 ng
RT: 7.93 min Scan# 993
Delta R.T. 0.00 min
Lab File: BF112383.D
Acq: 4 Feb 2019 16:39

Tgt Ion: 122 Resp: 17344
Ion Ratio Lower Upper
122 100
105 108.7 101.2 141.2
77 88.1 70.4 110.4

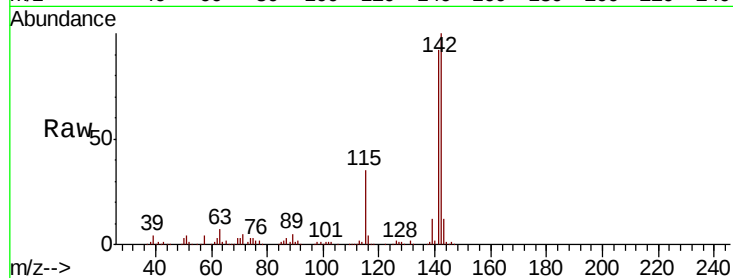




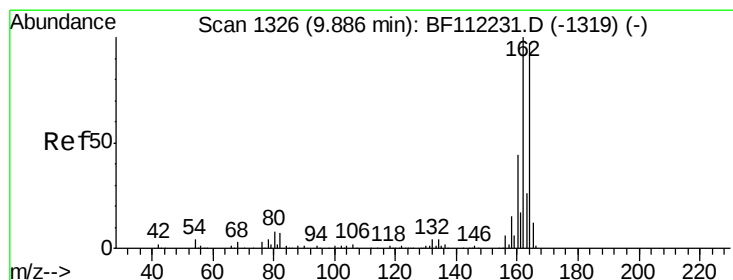
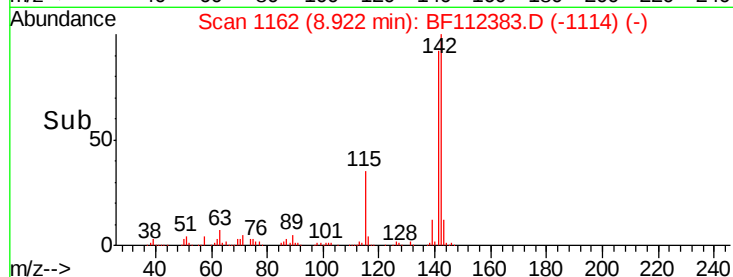
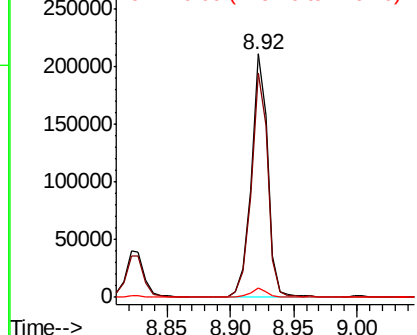
#38
1-Methylnaphthalene
Concen: 8.683 ng
RT: 8.92 min Scan# 1162
Delta R.T. -0.02 min
Lab File: BF112383.D
Acq: 4 Feb 2019 16:39

Instrument :
BNA_F
ClientSampleId :
COMP-3

Tgt Ion:142 Resp: 191913
Ion Ratio Lower Upper
142 100
141 92.0 72.6 108.8
116 4.0 2.8 4.2

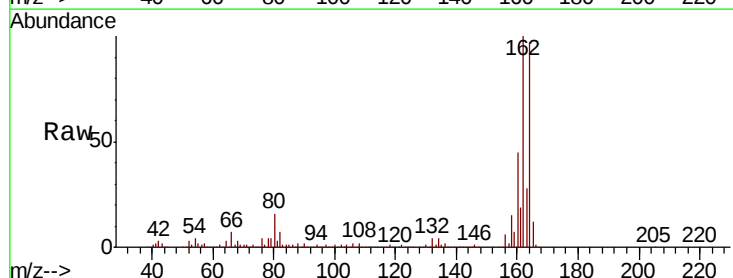


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

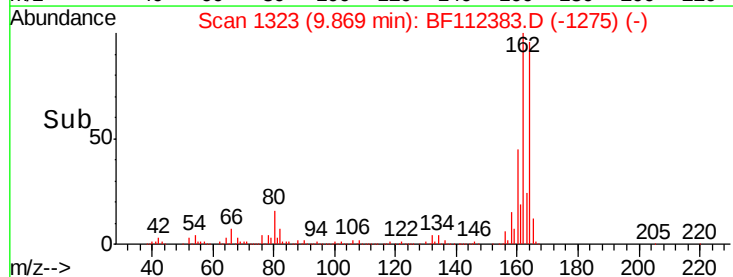
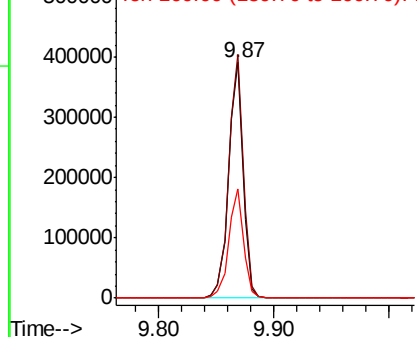


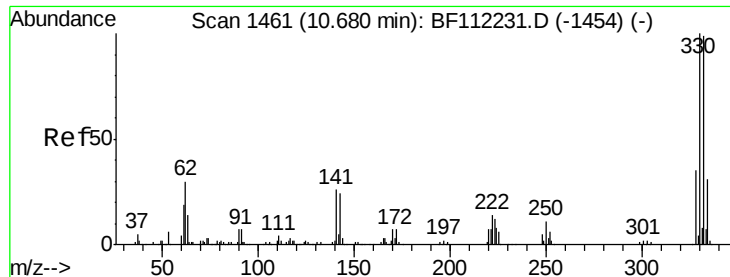
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF112383.D
Acq: 4 Feb 2019 16:39

Tgt Ion:164 Resp: 340990
Ion Ratio Lower Upper
164 100
162 103.5 82.2 123.4
160 46.3 36.2 54.4



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

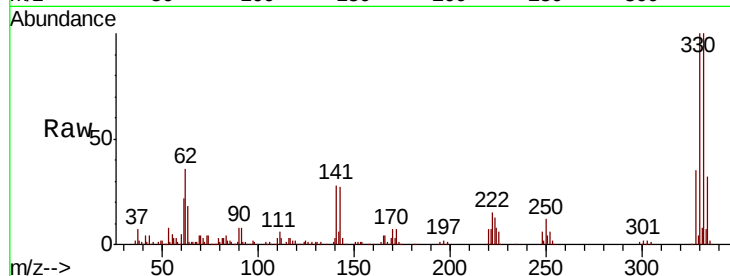




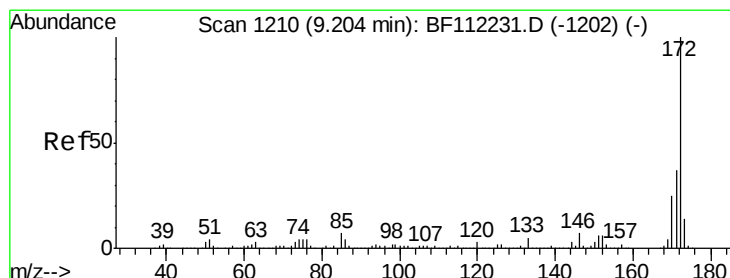
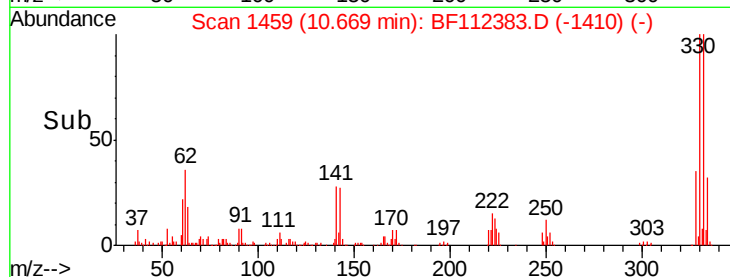
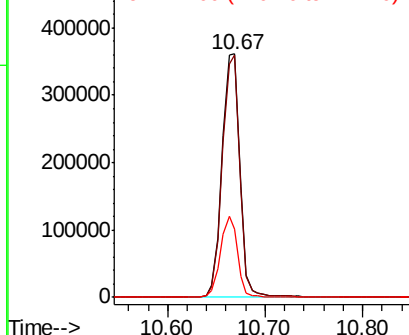
#42
 2,4,6-Tribromophenol
 Concen: 116.375 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF112383.D
 Acq: 4 Feb 2019 16:39

Instrument :
 BNA_F
 ClientSampleID :
 COMP-3

Tgt Ion:330 Resp: 461894
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.6 114.8
 141 31.9 24.3 36.5

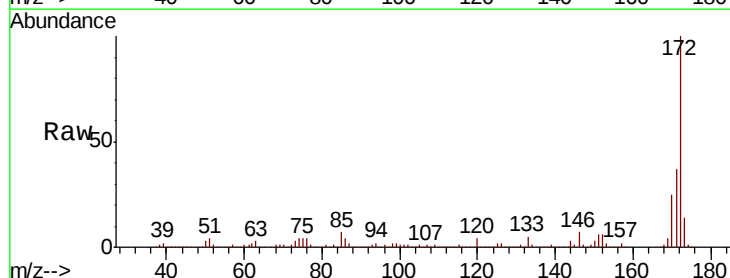


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

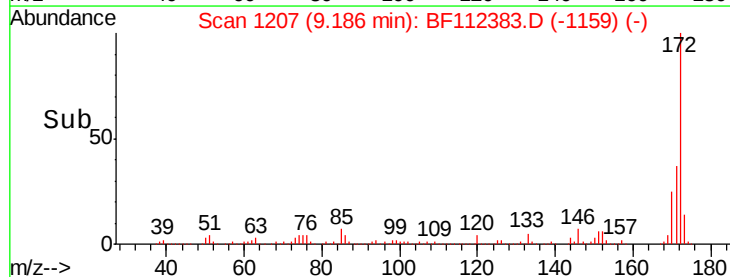
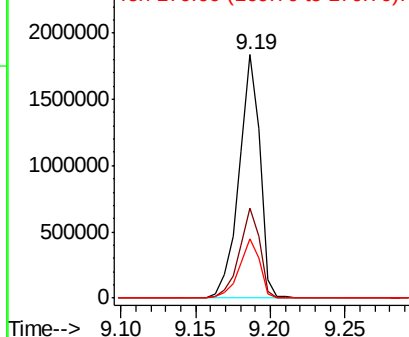


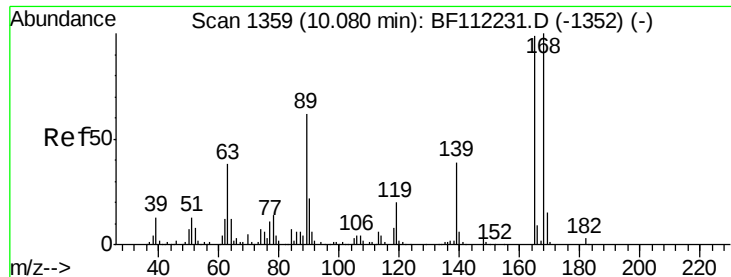
#45
 2-Fluorobiphenyl
 Concen: 74.490 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF112383.D
 Acq: 4 Feb 2019 16:39

Tgt Ion:172 Resp: 1795924
 Ion Ratio Lower Upper
 172 100
 171 36.9 30.5 45.7
 170 24.6 20.2 30.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#57

2,4-Dinitrotoluene

Concen: 5.884 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF112383.D

Acq: 4 Feb 2019 16:39

Instrument :

BNA_F

ClientSampleId :

COMP-3

Tgt Ion:165 Resp: 44444

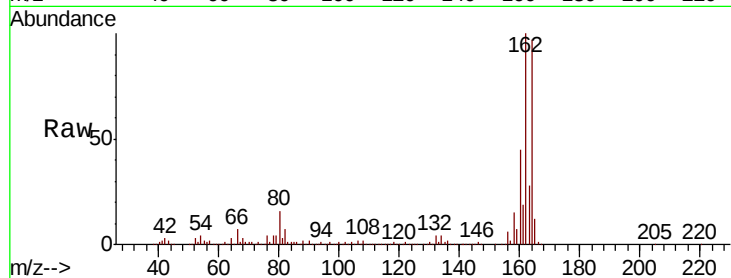
Ion Ratio Lower Upper

165 100

63 1.6 27.9 41.9#

89 1.9 47.9 71.9#

182 0.0 2.2 3.4#

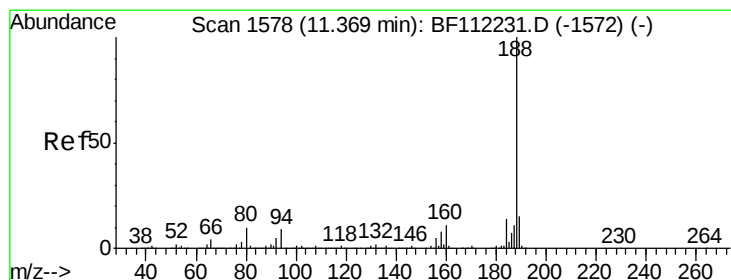
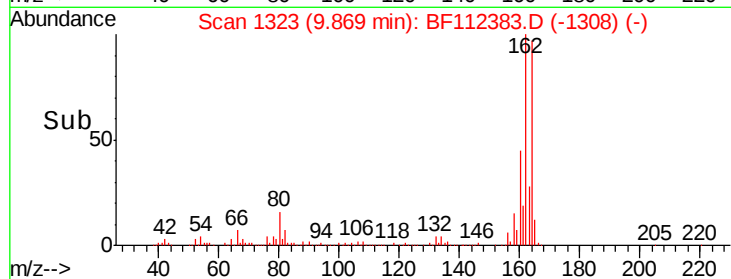
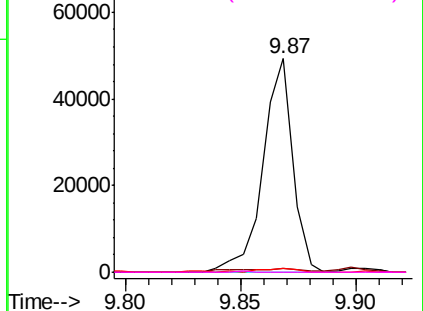


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF112383.D

Acq: 4 Feb 2019 16:39

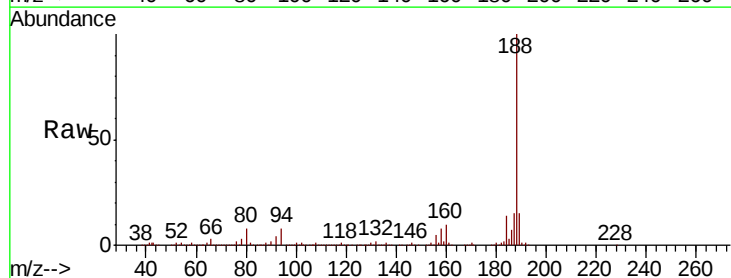
Tgt Ion:188 Resp: 648053

Ion Ratio Lower Upper

188 100

94 7.9 8.2 12.2#

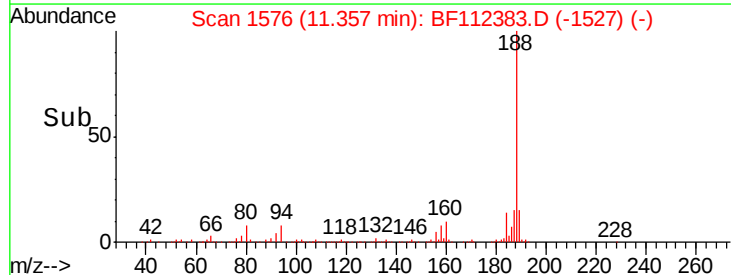
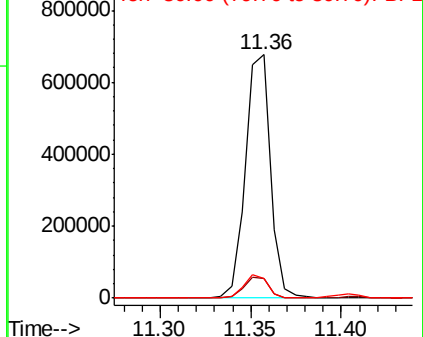
80 8.0 8.9 13.3#

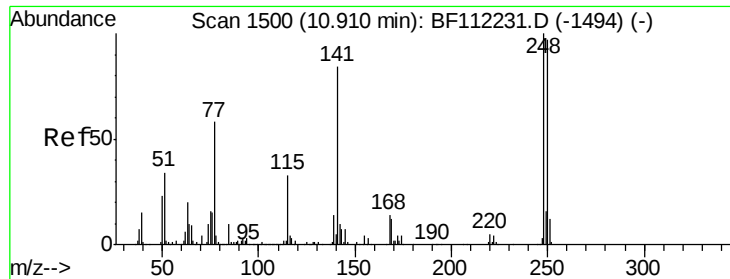


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

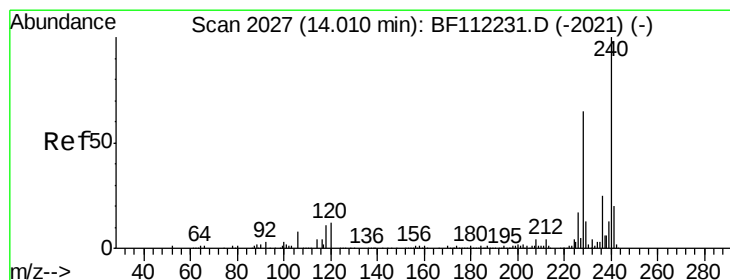
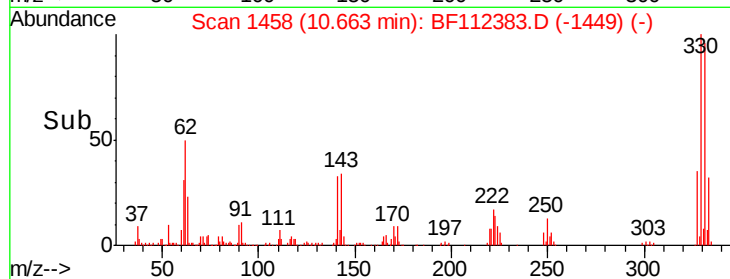
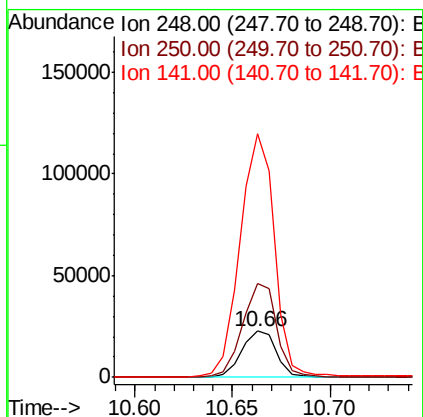
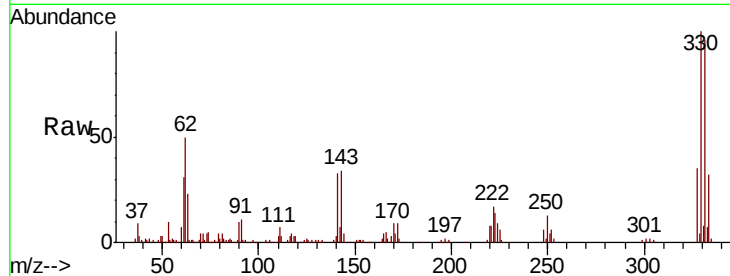




#67
 4-Bromophenyl-phenylether
 Concen: 3.724 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF112383.D
 Acq: 4 Feb 2019 16:39

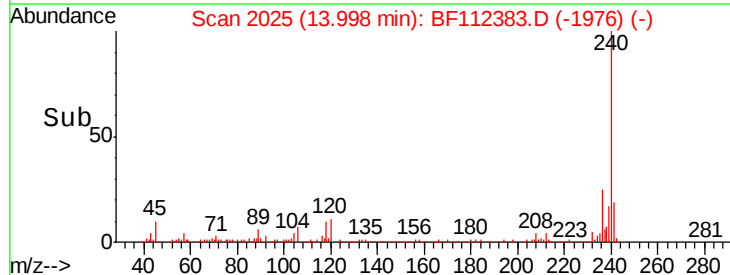
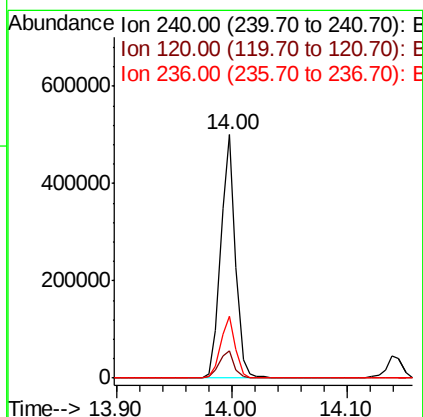
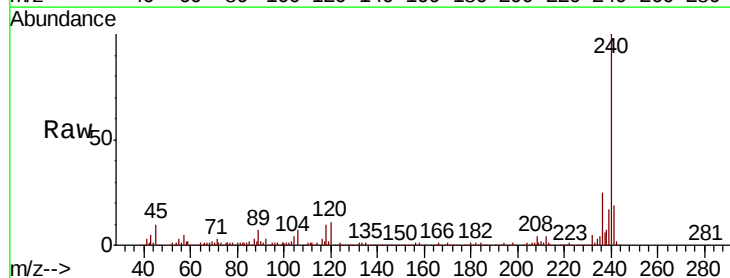
Instrument :
 BNA_F
 ClientSampleId :
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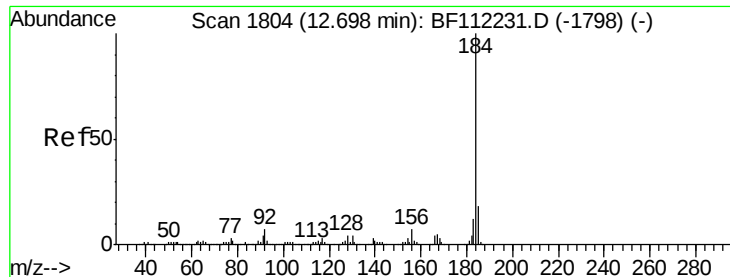
Tgt Ion:248 Resp: 28387
 Ion Ratio Lower Upper
 248 100
 250 202.4 79.7 119.5#
 141 525.1 60.3 90.5#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF112383.D
 Acq: 4 Feb 2019 16:39

Tgt Ion:240 Resp: 439887
 Ion Ratio Lower Upper
 240 100
 120 11.3 9.0 13.6
 236 25.5 20.7 31.1





#77

Benzidine

Concen: 2.077 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.24 min

Lab File: BF112383.D

Acq: 4 Feb 2019 16:39

Instrument :

BNA_F

ClientSampleId :

COMP-3

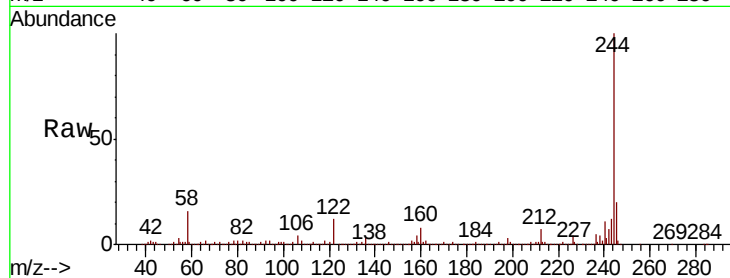
Tgt Ion:184 Resp: 25143

Ion Ratio Lower Upper

184 100

185 22.5 13.9 20.9#

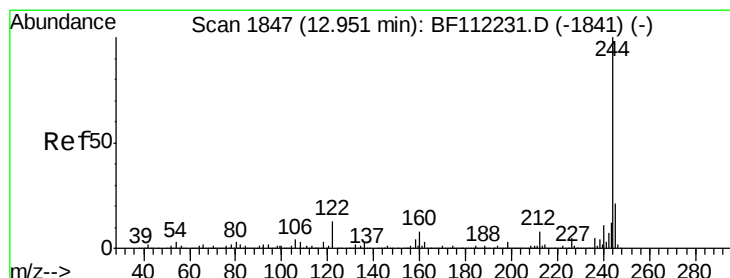
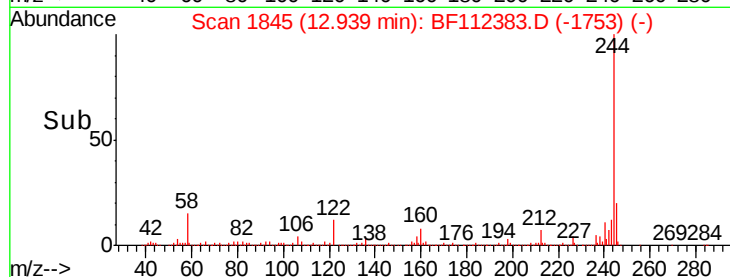
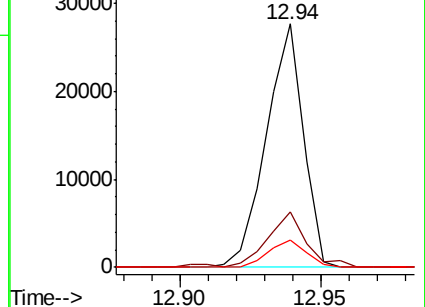
183 11.3 10.0 15.0



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



#79

Terphenyl-d14

Concen: 78.803 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112383.D

Acq: 4 Feb 2019 16:39

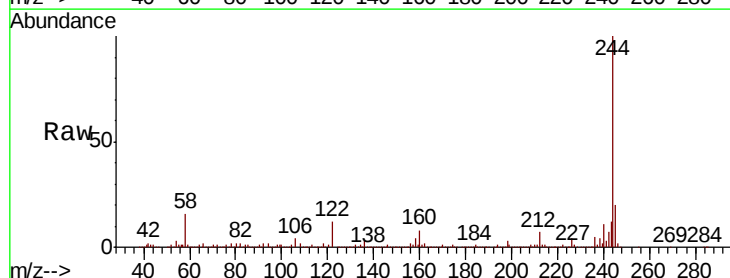
Tgt Ion:244 Resp: 1840479

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

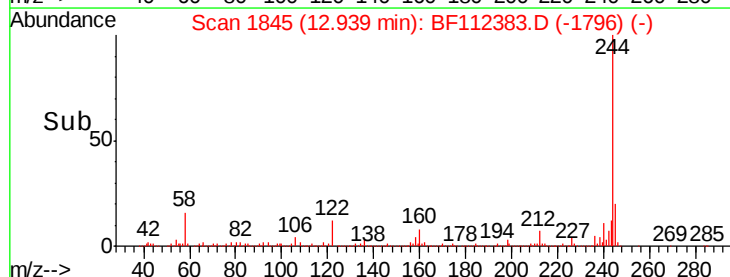
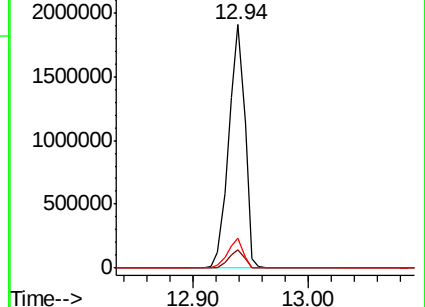
122 12.2 9.8 14.6

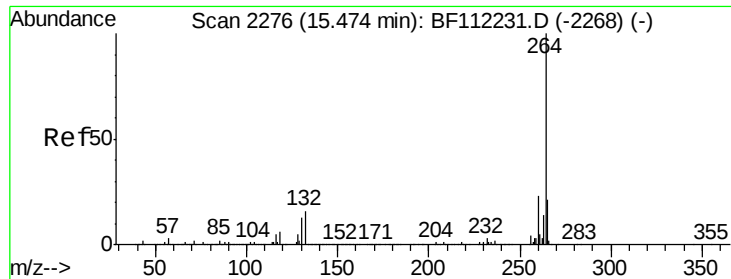


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF112383.D
Acq: 4 Feb 2019 16:39

Instrument :
BNA_F
ClientSampleId :
COMP-3

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.2	27.2
265	21.8	17.0	25.4

