

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031120\
 Data File : BF119366.D
 Acq On : 12 Mar 2020 1:08
 Operator : CG/JU
 Sample : L1874-15
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 12 05:12:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 06 23:38:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	80261	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	283849	20.00	ng	-0.01
39) Acenaphthene-d10	9.79	164	136207	20.00	ng	0.02
64) Phenanthrene-d10	11.30	188	79776	20.00	ng	0.06
76) Chrysene-d12	13.99	240	157329	20.00	ng	0.10
87) Perylene-d12	15.35	264	224710	20.00	ng	0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	96755	20.15	ng	0.01
7) Phenol-d6	6.38	99	305510	52.31	ng	0.00
23) Nitrobenzene-d5	7.29	82	271581	50.52	ng	0.00
42) 2,4,6-Tribromophenol	10.59	330	9865	5.54	ng	0.04
45) 2-Fluorobiphenyl	9.10	172	570474	61.70	ng	0.01
79) Terphenyl-d14	12.96	244	264502	28.94	ng	0.14

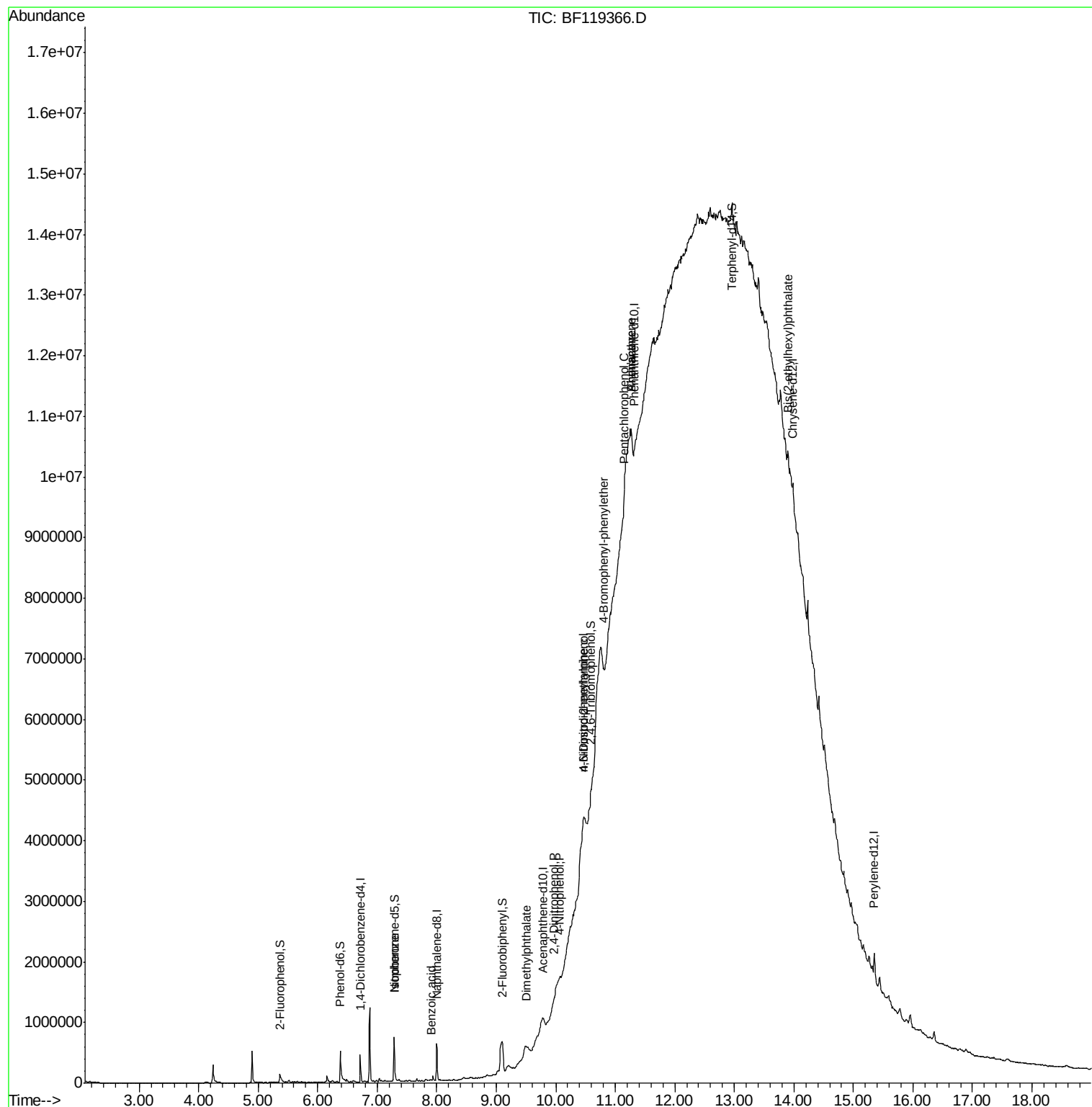
Target Compounds				Qvalue		
25) Isophorone	7.29	82	268102	28.716	ng	# 63
32) Benzoic acid	7.92	122	5199	8.284	ng	# 82
50) Dimethylphthalate	9.49	163	48061	4.614	ng	# 88
54) 2,4-Dinitrophenol	9.96	184	421	7.815	ng	# 1
56) 4-Nitrophenol	10.05	139	9180	5.956	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.46	198	1798	3.725	ng	# 1
66) n-Nitrosodiphenylamine	10.46	169	66296	25.380	ng	# 72
67) 4-Bromophenyl-phenylether	10.81	248	2826	2.710	ng	# 1
70) Pentachlorophenol	11.13	266	9225	19.048	ng	# 14
71) Phenanthrene	11.28	178	11177	2.569	ng	# 1
72) Anthracene	11.28	178	11475	2.640	ng	# 1
84) Bis(2-ethylhexyl)phthalate	13.92	149	30570	4.551	ng	# 47

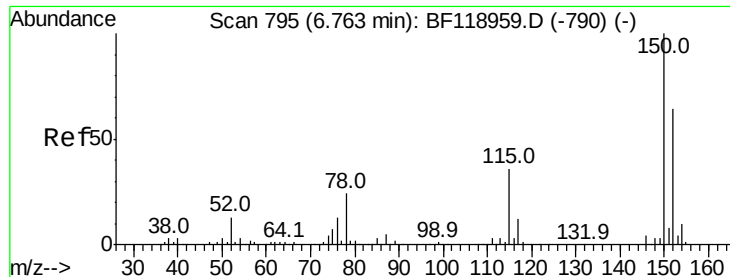
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031120\
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.72 min Scan# 788

Delta R.T. 0.00 min

Lab File: BF119366.D

Acq: 12 Mar 2020 1:08

Instrument :

BNA_F

ClientSampleId :

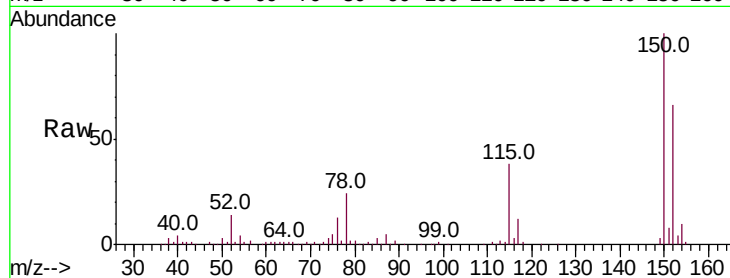
Tot Ion:152 Resp: 80261

Ion Ratio Lower Upper

152 100

150 151.5 123.0 184.6

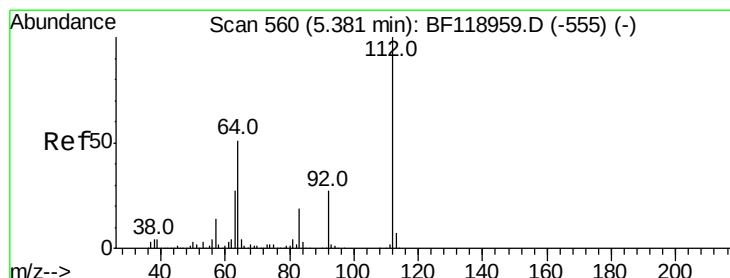
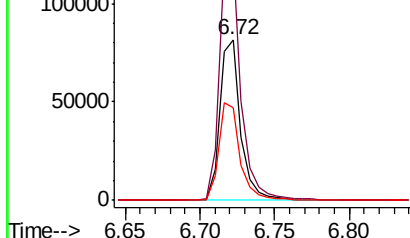
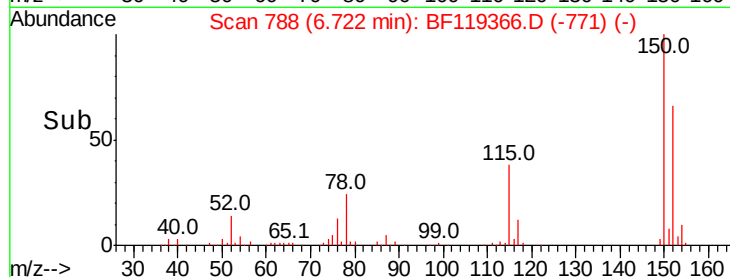
115 57.5 49.5 74.3



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: 20.146 ng

RT: 5.36 min Scan# 557

Delta R.T. 0.01 min

Lab File: BF119366.D

Acq: 12 Mar 2020 1:08

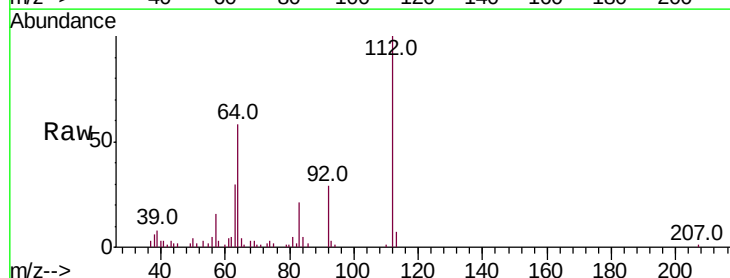
Tgt Ion:112 Resp: 96755

Ion Ratio Lower Upper

112 100

64 57.6 45.0 67.4

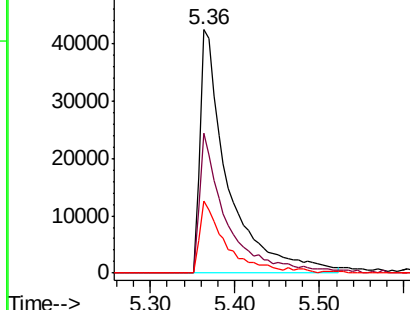
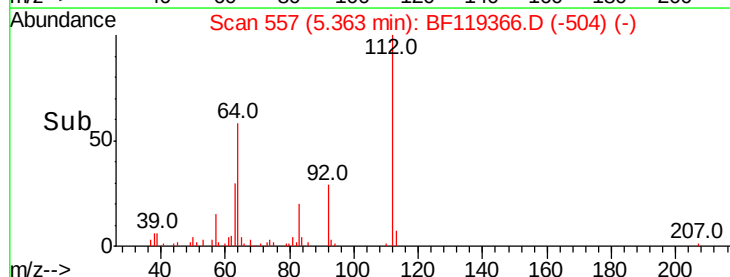
63 29.8 24.2 36.4

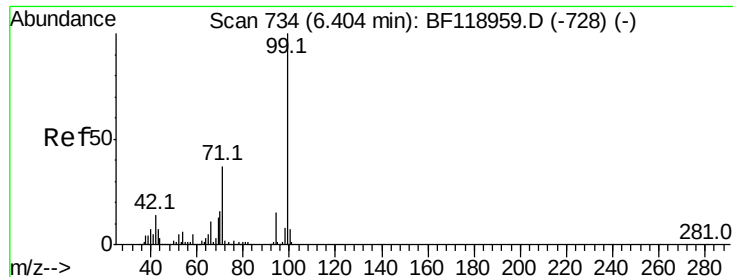


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 52.305 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF119366.D

Acq: 12 Mar 2020 1:08

Instrument :

BNA_F

ClientSampleId :

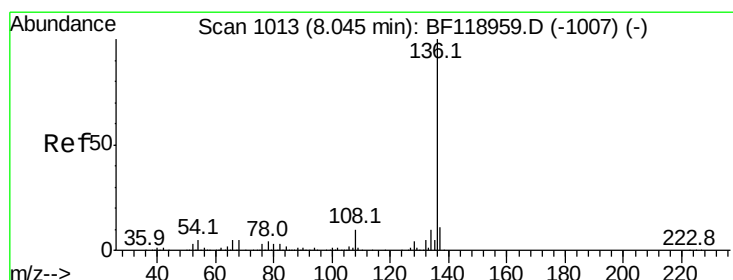
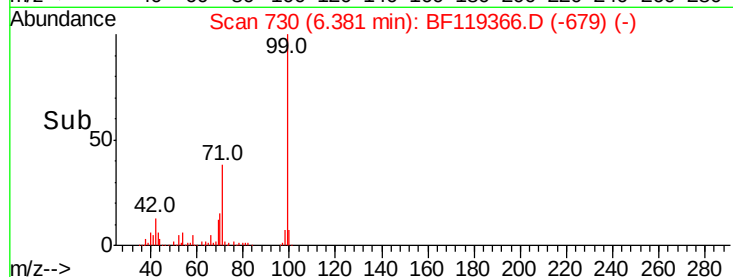
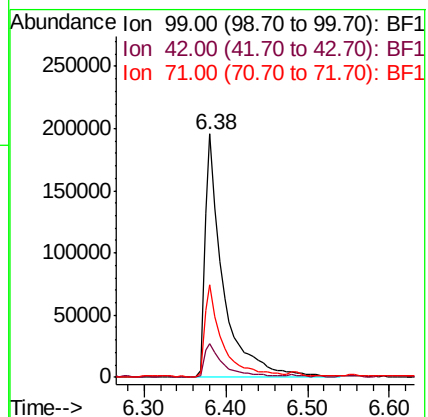
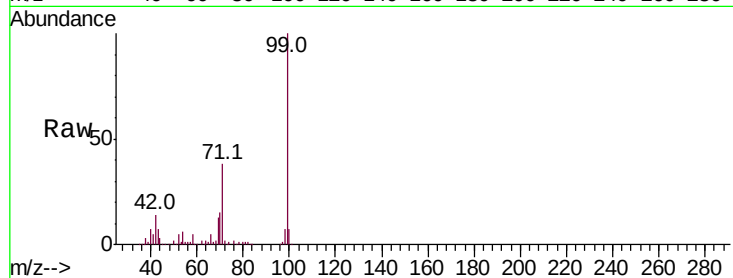
Tot Ion: 99 Resp: 305510

Ion Ratio Lower Upper

99 100

42 13.6 12.6 18.8

71 38.2 31.0 46.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF119366.D

Acq: 12 Mar 2020 1:08

Tgt Ion: 136 Resp: 283849

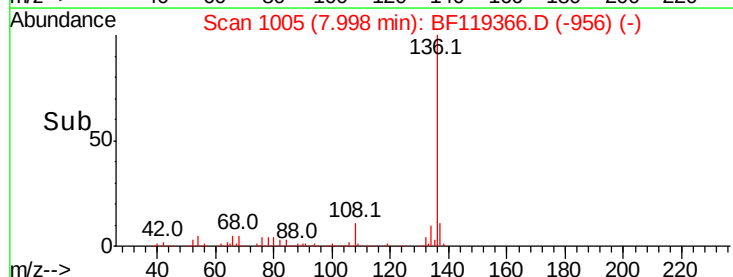
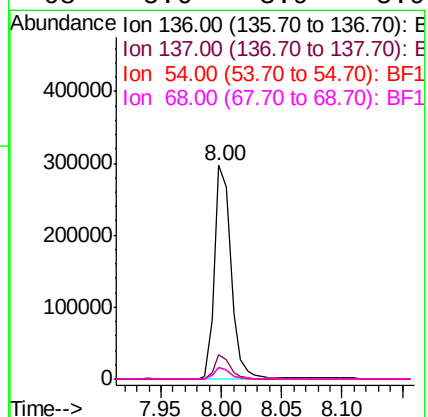
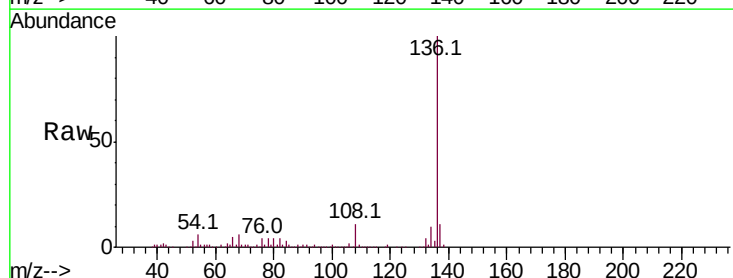
Ion Ratio Lower Upper

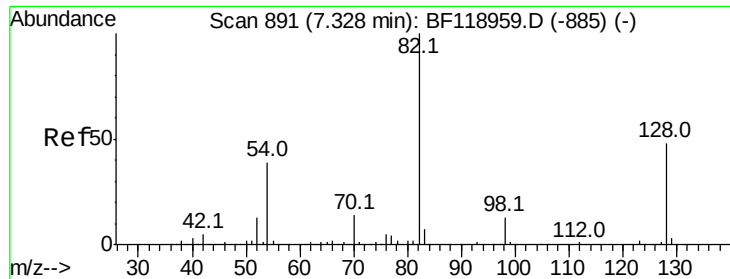
136 100

137 11.3 8.8 13.2

54 5.6 3.8 5.6

68 5.6 3.9 5.9

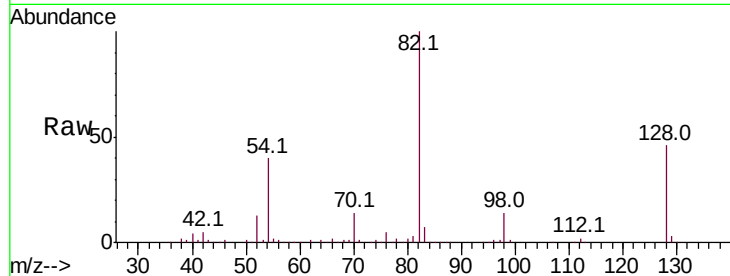




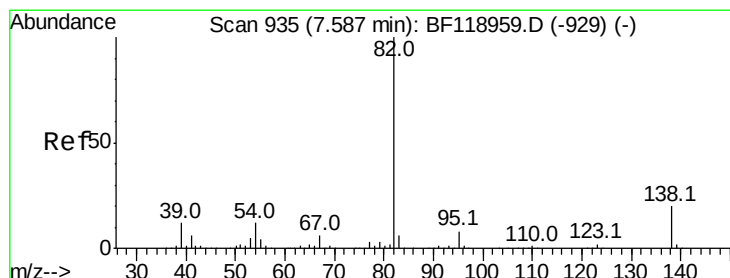
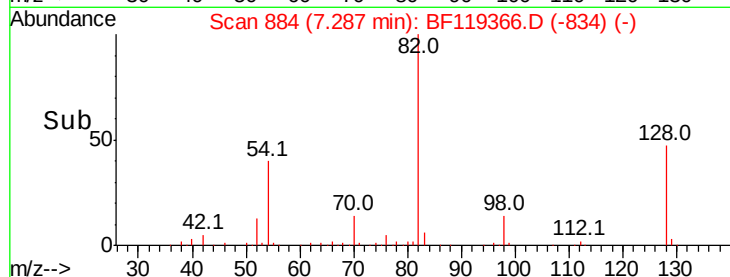
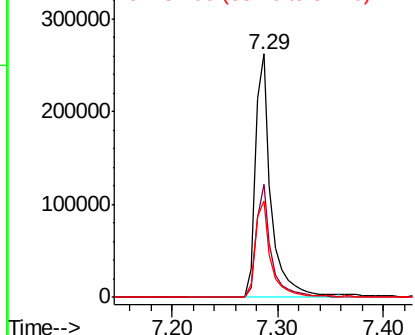
#23
Nitrobenzene-d5
Concen: 50.518 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF119366.D
Acq: 12 Mar 2020 1:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 271581
Ion Ratio Lower Upper
82 100
128 46.3 37.9 56.9
54 39.8 33.4 50.2

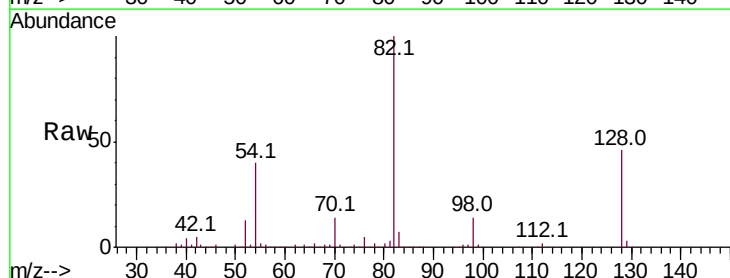


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

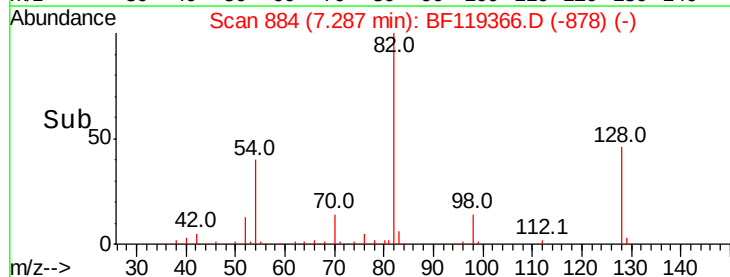
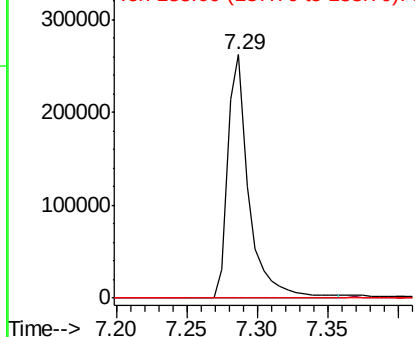


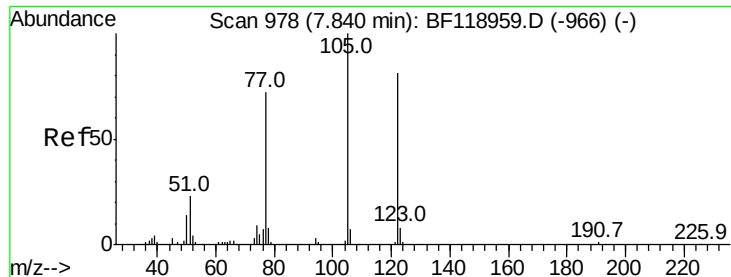
#25
Isophorone
Concen: 28.716 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.26 min
Lab File: BF119366.D
Acq: 12 Mar 2020 1:08

Tgt Ion: 82 Resp: 268102
Ion Ratio Lower Upper
82 100
95 0.2 6.4 9.6#
138 0.0 15.7 23.5#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1





#32

Benzoic acid

Concen: 8.284 ng

RT: 7.92 min Scan# 991

Delta R.T. 0.08 min

Lab File: BF119366.D

Acq: 12 Mar 2020 1:08

Instrument :

BNA_F

ClientSampleId :

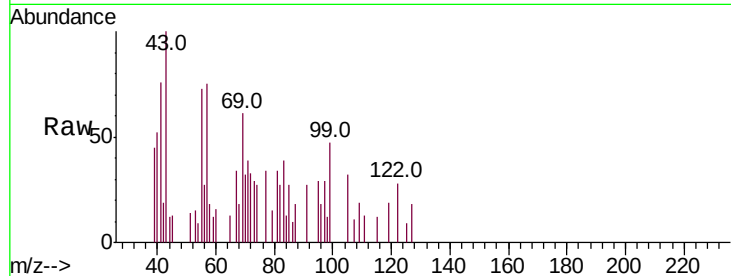
Tot Ion:122 Resp: 5199

Ion Ratio Lower Upper

122 100

105 114.8 106.3 146.3

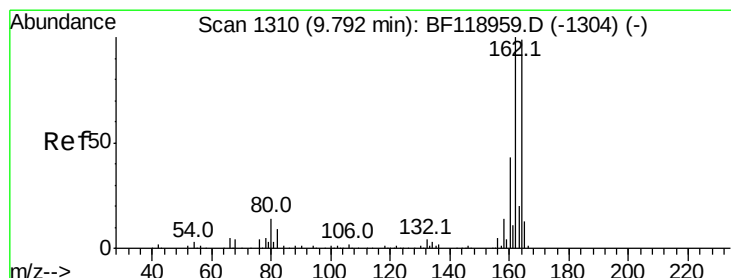
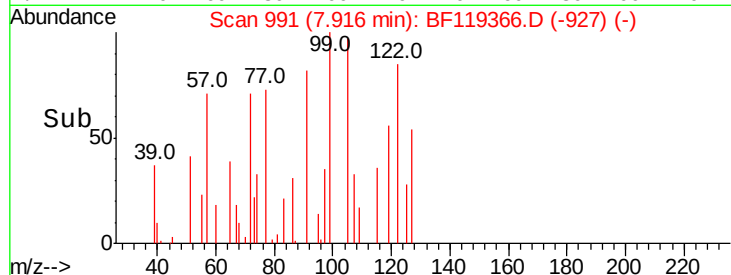
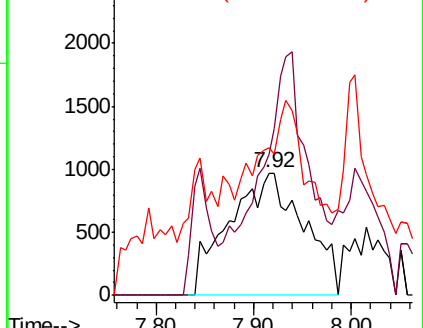
77 121.0 73.1 113.1#



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): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.79 min Scan# 1309

Delta R.T. 0.02 min

Lab File: BF119366.D

Acq: 12 Mar 2020 1:08

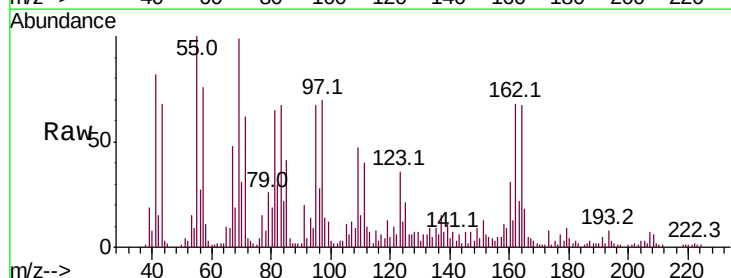
Tgt Ion:164 Resp: 136207

Ion Ratio Lower Upper

164 100

162 101.9 81.8 122.8

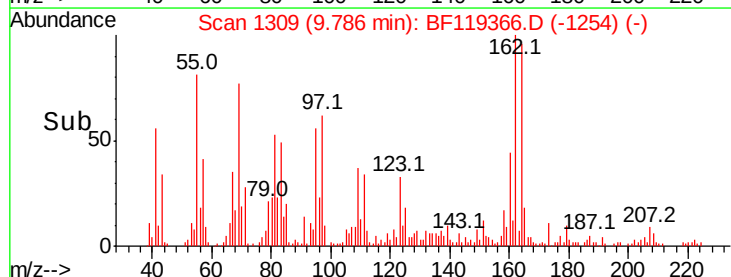
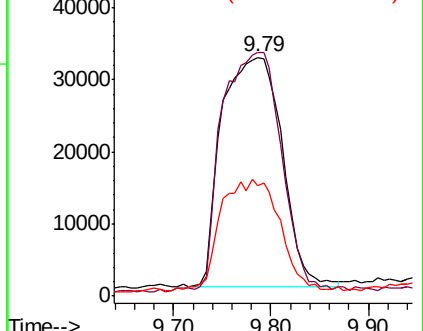
160 46.3 36.0 54.0

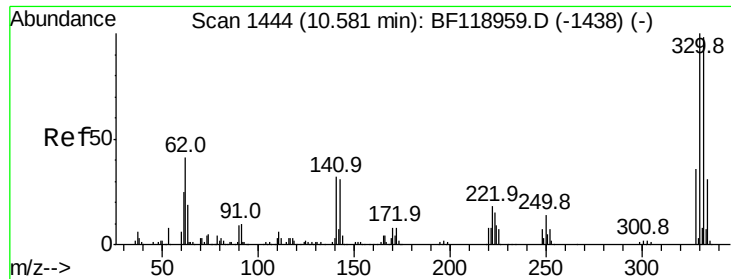


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

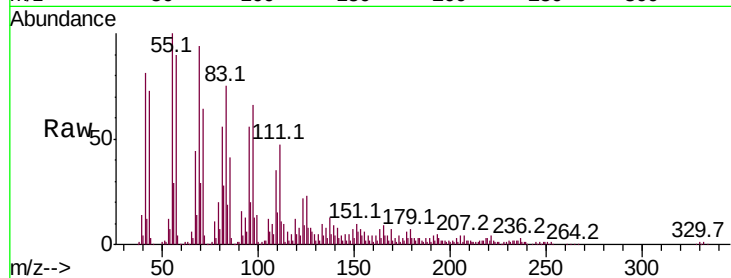




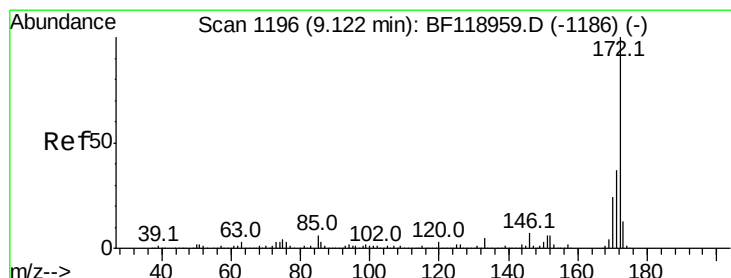
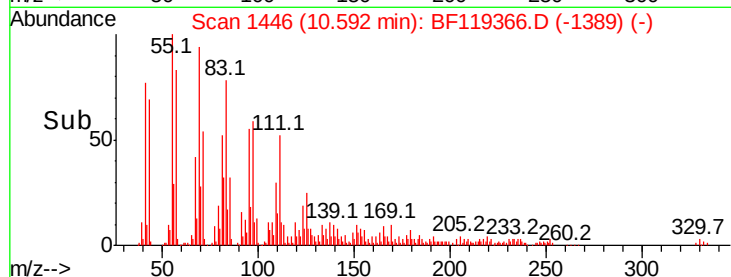
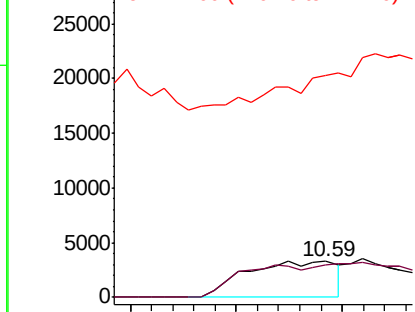
#42
 2,4,6-Tribromophenol
 Concen: 5.536 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. 0.04 min
 Lab File: BF119366.D
 Acq: 12 Mar 2020 1:08

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 9865
 Ion Ratio Lower Upper
 330 100
 332 0.0 76.0 114.0#
 141 0.0 22.9 34.3#

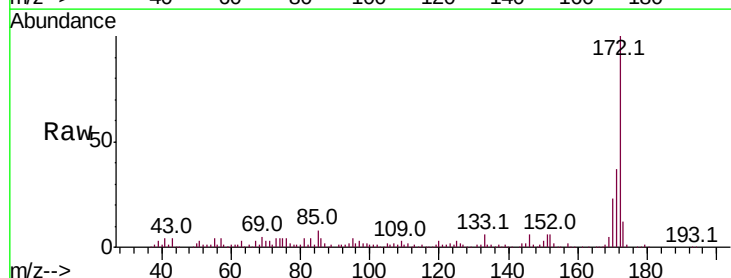


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

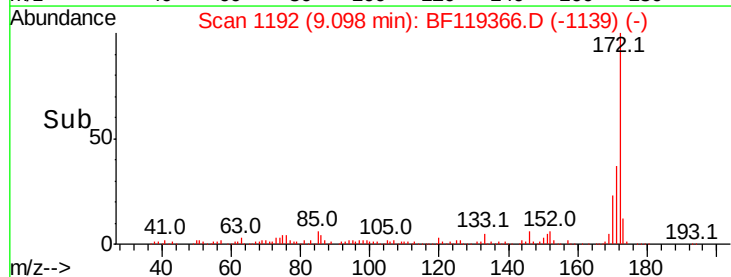
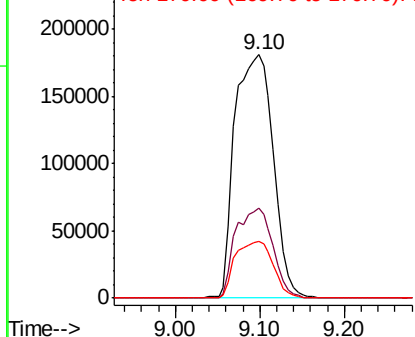


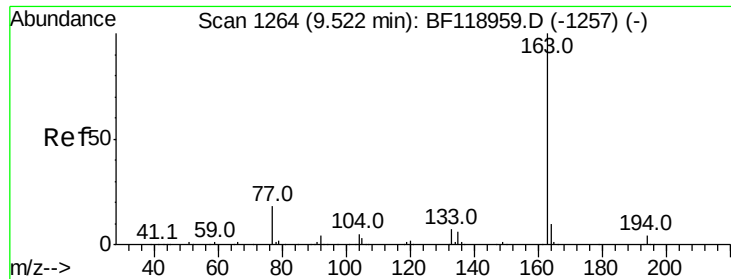
#45
 2-Fluorobiphenyl
 Concen: 61.701 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.01 min
 Lab File: BF119366.D
 Acq: 12 Mar 2020 1:08

Tgt Ion:172 Resp: 570474
 Ion Ratio Lower Upper
 172 100
 171 36.9 30.6 45.8
 170 23.2 20.2 30.2



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

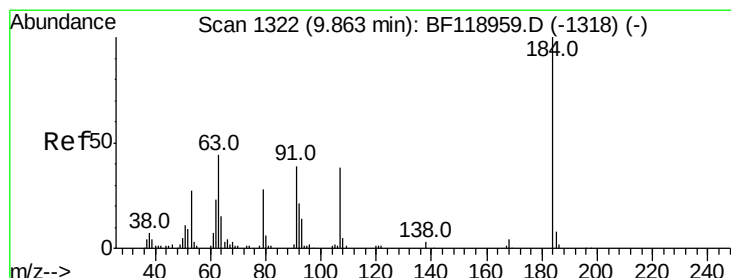
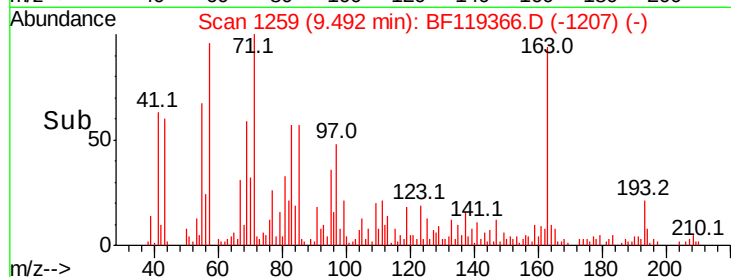
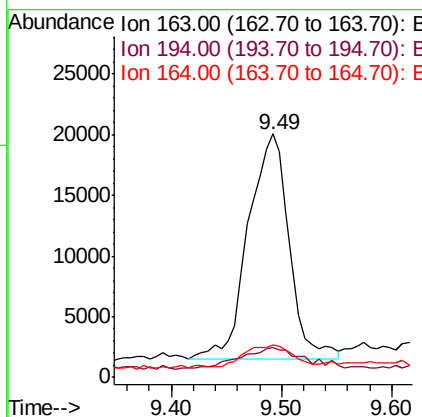
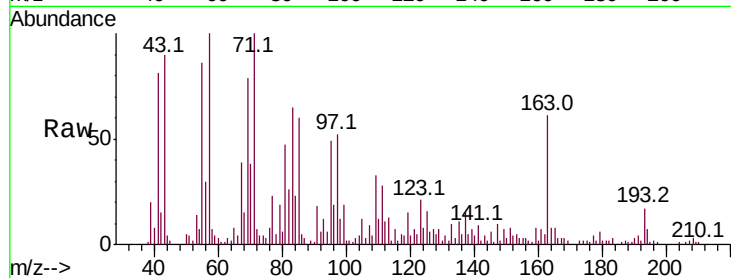




#50
Dimethylphthalate
Concen: 4.614 ng
RT: 9.49 min Scan# 1259
Delta R.T. 0.01 min
Lab File: BF119366.D
Acq: 12 Mar 2020 1:08

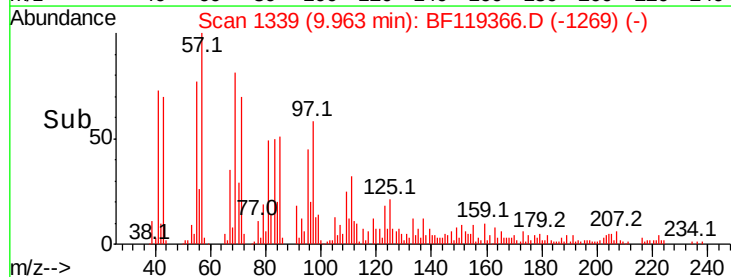
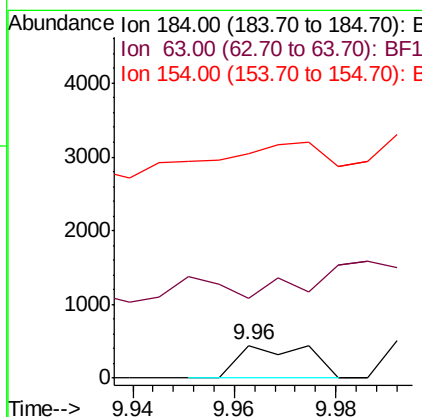
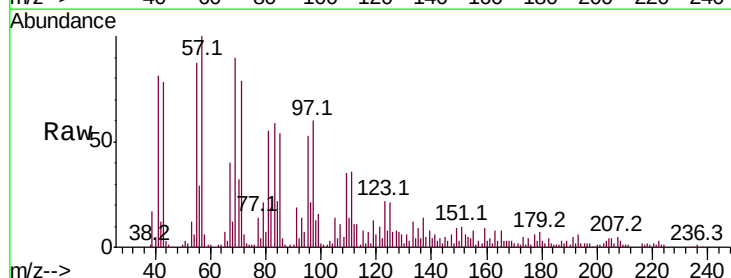
Instrument :
BNA_F
ClientSampled :

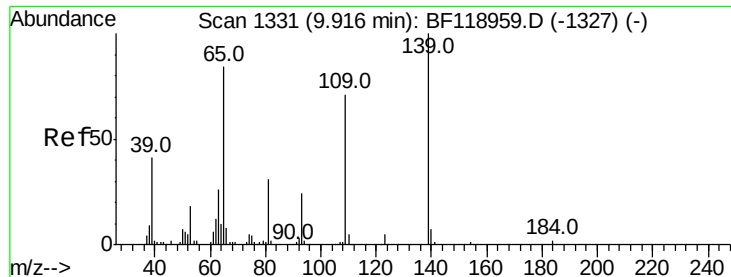
Tot Ion:163 Resp: 48061
Ion Ratio Lower Upper
163 100
194 12.2 3.5 5.3#
164 13.2 8.4 12.6#



#54
2,4-Dinitrophenol
Concen: 7.815 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.11 min
Lab File: BF119366.D
Acq: 12 Mar 2020 1:08

Tgt Ion:184 Resp: 421
Ion Ratio Lower Upper
184 100
63 240.6 38.7 58.1#
154 680.4 49.7 74.5#

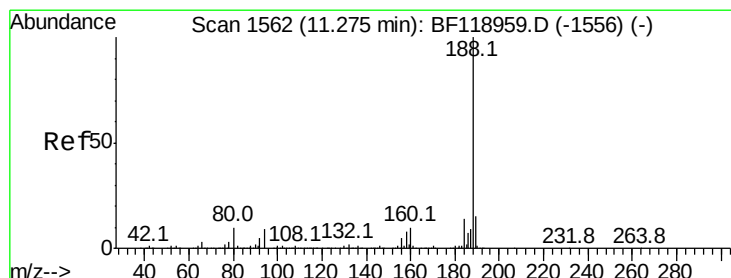
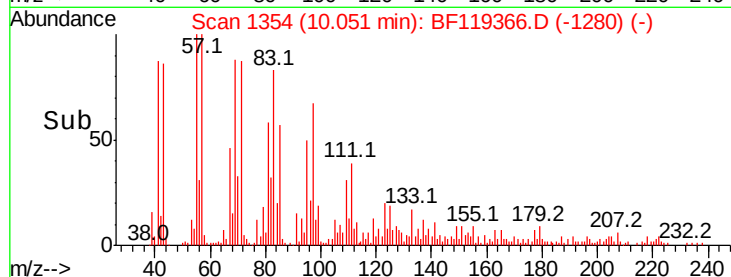
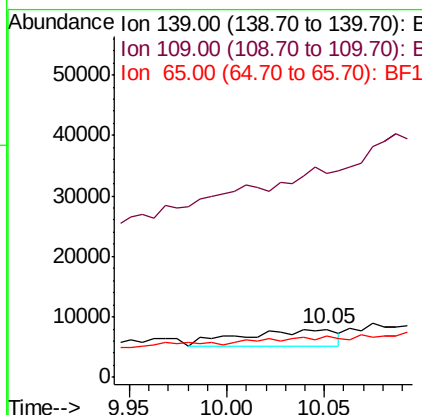
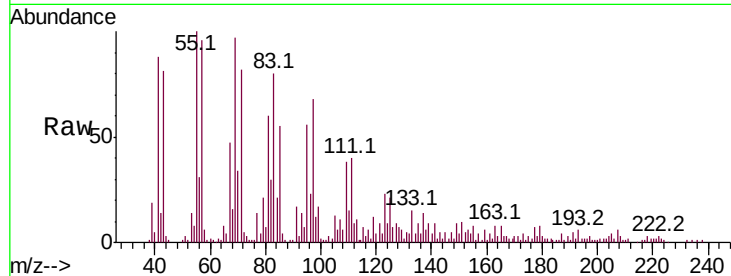




#56
4-Nitrophenol
Concen: 5.956 ng
RT: 10.05 min Scan# 1354
Delta R.T. 0.14 min
Lab File: BF119366.D
Acq: 12 Mar 2020 1:08

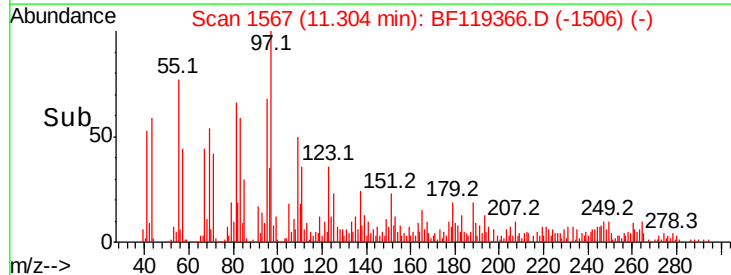
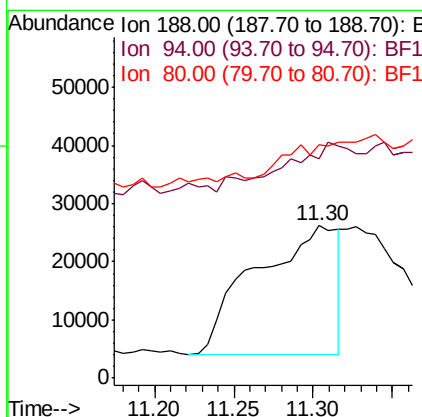
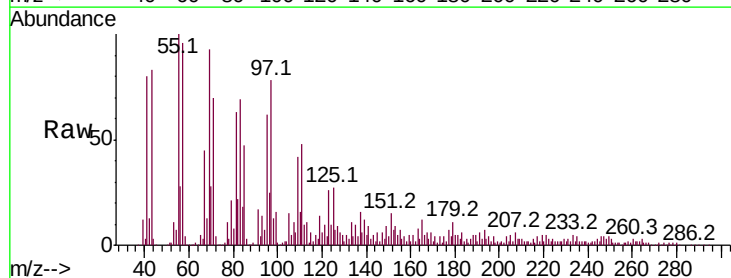
Instrument :
BNA_F
ClientSampleId :

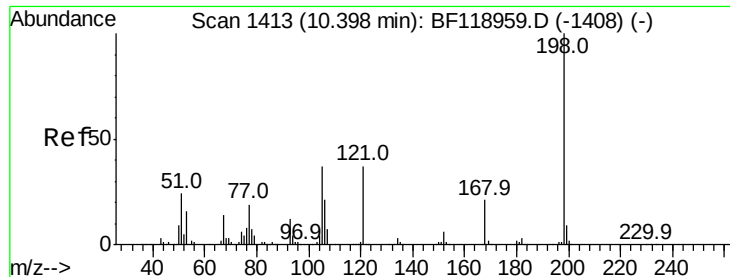
Tot Ion:139 Resp: 9180
Ion Ratio Lower Upper
139 100
109 422.8 56.7 96.7#
65 84.2 65.0 105.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. 0.06 min
Lab File: BF119366.D
Acq: 12 Mar 2020 1:08

Tgt Ion:188 Resp: 79776
Ion Ratio Lower Upper
188 100
94 144.2 7.1 10.7#
80 153.1 7.8 11.8#

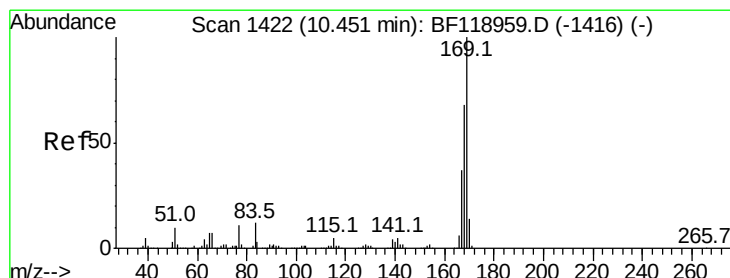
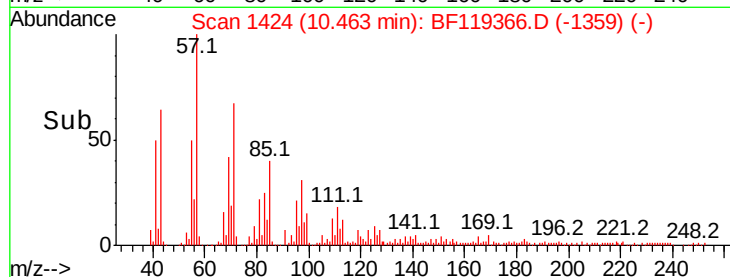
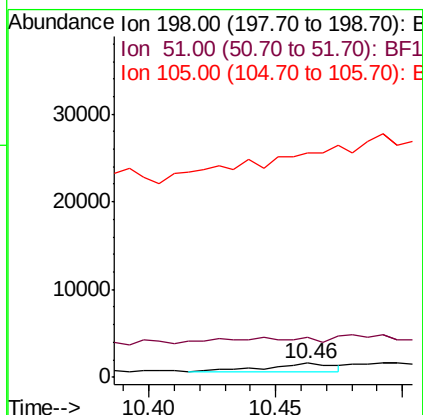
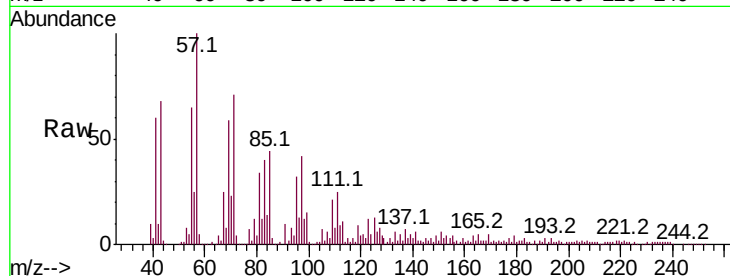




#65
4,6-Dinitro-2-methylphenol
Concen: 3.725 ng
RT: 10.46 min Scan# 1424
Delta R.T. 0.08 min
Lab File: BF119366.D
Acq: 12 Mar 2020 1:08

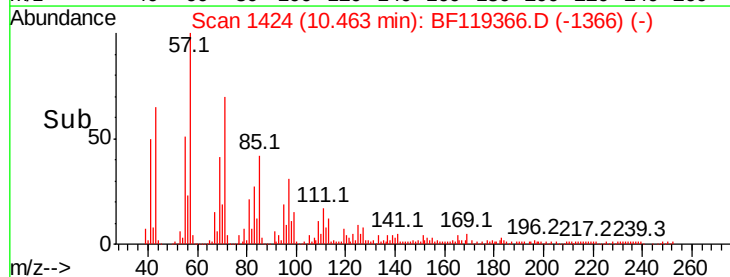
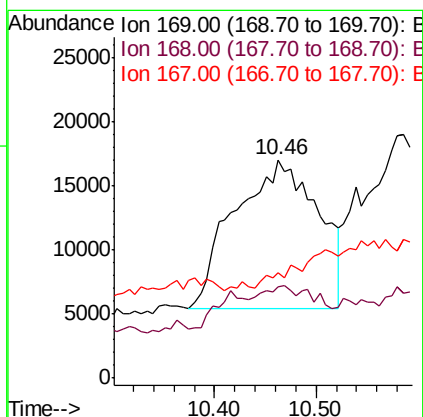
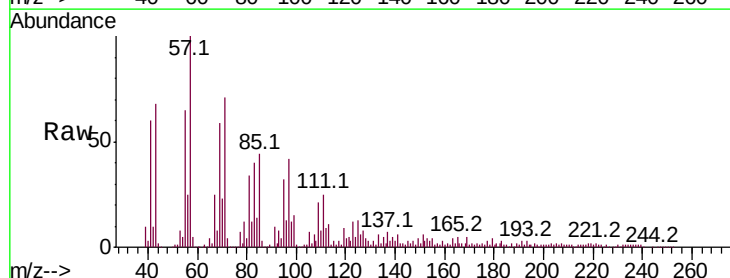
Instrument :
BNA_F
ClientSampleId :

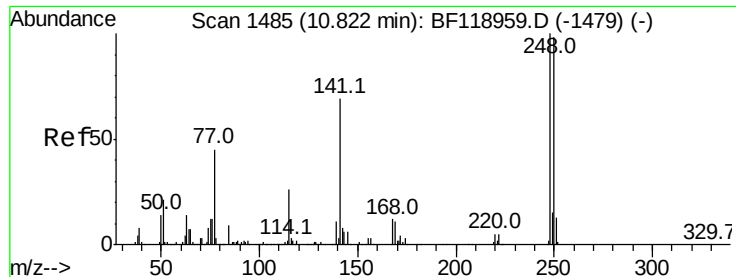
Tot Ion:198 Resp: 1798
Ion Ratio Lower Upper
198 100
51 284.8 14.2 54.2#
105 1606.0 22.7 62.7#



#66
n-Nitrosodiphenylamine
Concen: 25.380 ng
RT: 10.46 min Scan# 1424
Delta R.T. 0.04 min
Lab File: BF119366.D
Acq: 12 Mar 2020 1:08

Tgt Ion:169 Resp: 66296
Ion Ratio Lower Upper
169 100
168 41.8 54.1 81.1#
167 48.3 29.4 44.0#

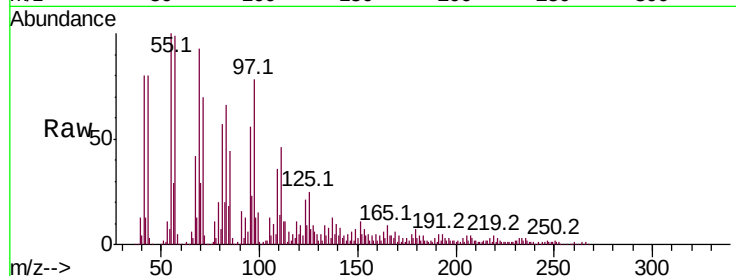




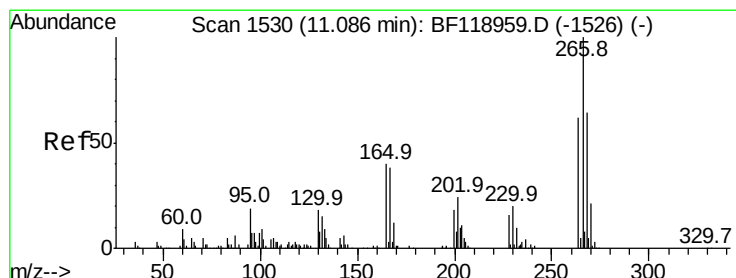
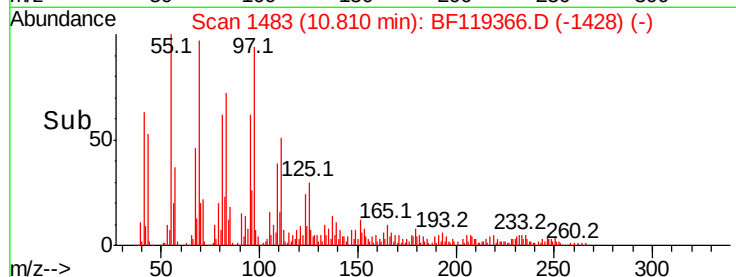
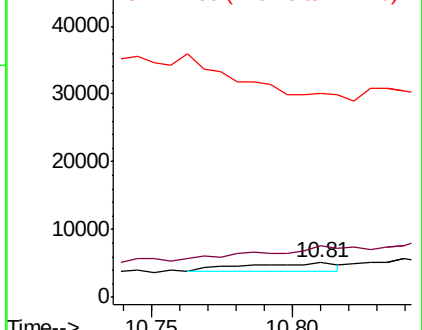
#67
4-Bromophenyl-phenylether
Concen: 2.710 ng
RT: 10.81 min Scan# 1483
Delta R.T. 0.02 min
Lab File: BF119366.D
Acq: 12 Mar 2020 1:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 2826
Ion Ratio Lower Upper
248 100
250 147.6 76.7 115.1#
141 590.2 60.7 91.1#

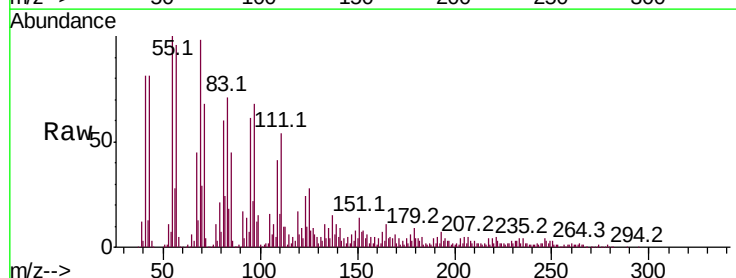


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

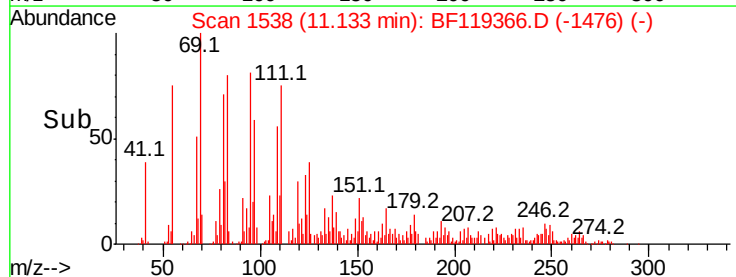
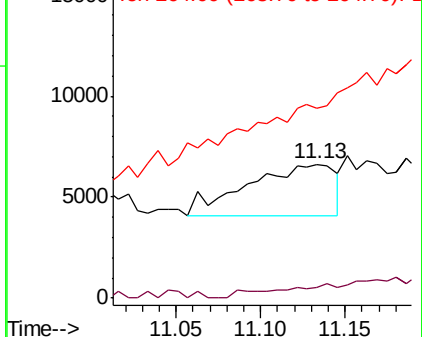


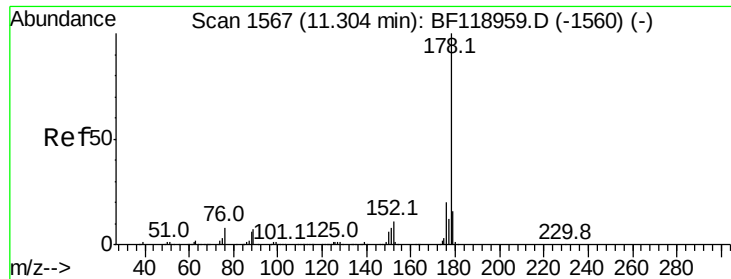
#70
Pentachlorophenol
Concen: 19.048 ng
RT: 11.13 min Scan# 1538
Delta R.T. 0.06 min
Lab File: BF119366.D
Acq: 12 Mar 2020 1:08

Tgt Ion:266 Resp: 9225
Ion Ratio Lower Upper
266 100
268 8.1 51.9 77.9#
264 142.1 51.0 76.4#



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





#71

Phenanthrene

Concen: 2.569 ng

RT: 11.28 min Scan# 1563

Delta R.T. 0.01 min

Lab File: BF119366.D

Acq: 12 Mar 2020 1:08

Instrument :

BNA_F

ClientSampled :

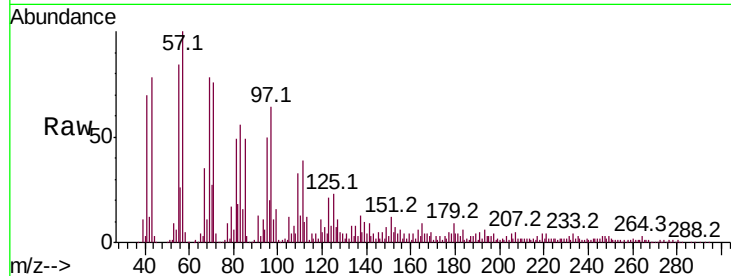
Tot Ion:178 Resp: 11177

Ion Ratio Lower Upper

178 100

176 43.8 16.5 24.7#

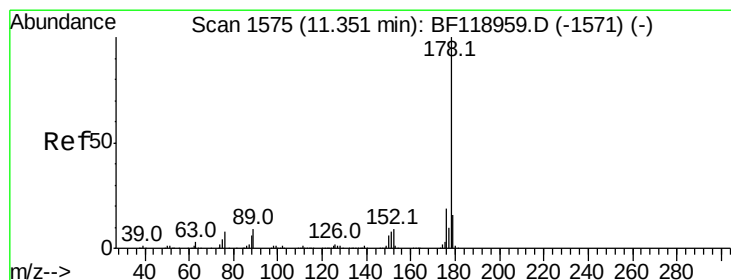
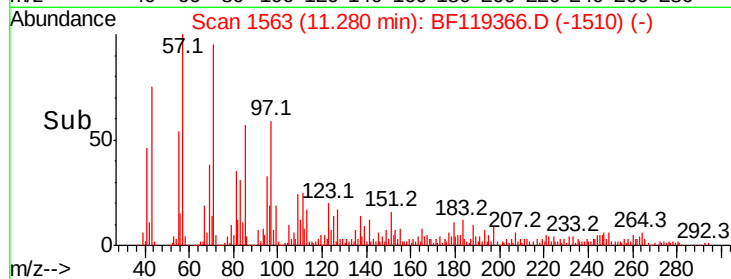
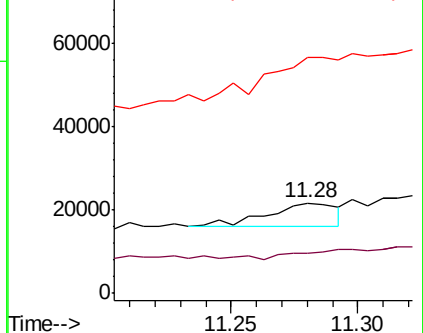
179 261.2 13.0 19.6#



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

Anthracene

Concen: 2.640 ng

RT: 11.28 min Scan# 1563

Delta R.T. -0.04 min

Lab File: BF119366.D

Acq: 12 Mar 2020 1:08

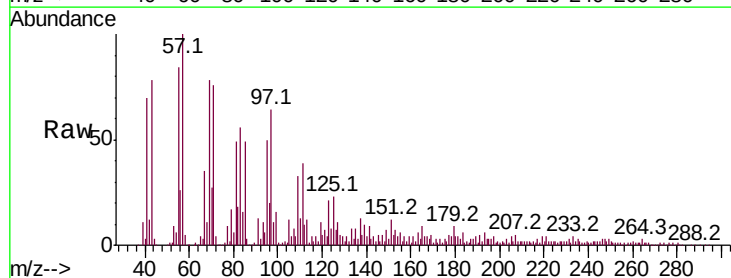
Tgt Ion:178 Resp: 11475

Ion Ratio Lower Upper

178 100

176 43.8 16.0 24.0#

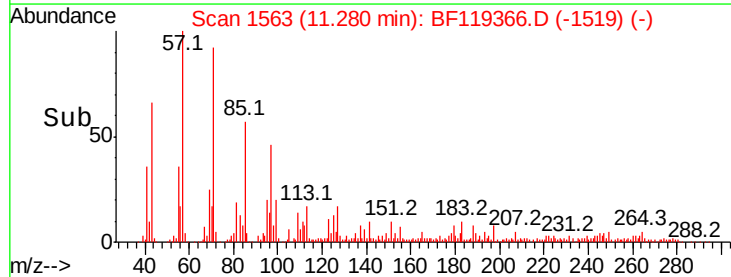
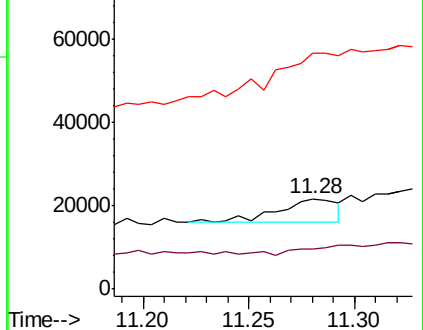
179 261.2 13.1 19.7#

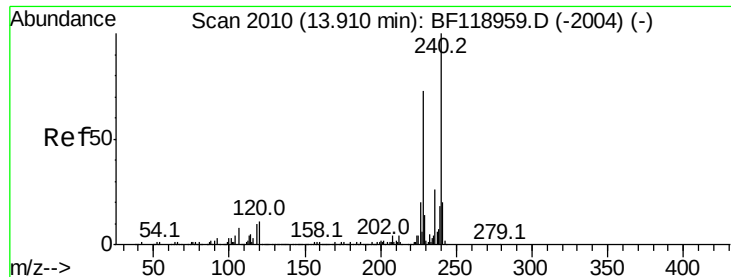


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.10 min

Lab File: BF119366.D

Acq: 12 Mar 2020 1:08

Instrument :

BNA_F

ClientSampleId :

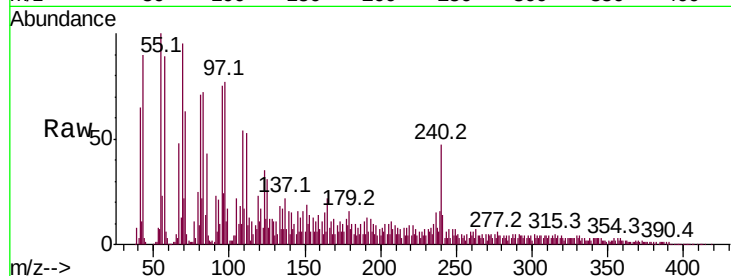
Tot Ion:240 Resp: 157329

Ion Ratio Lower Upper

240 100

120 23.4 8.4 12.6#

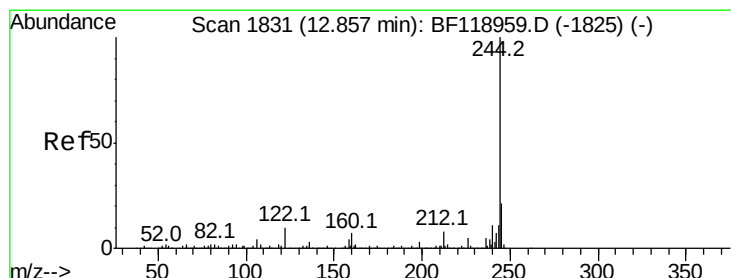
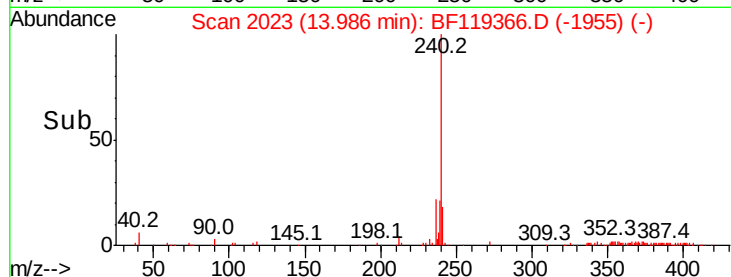
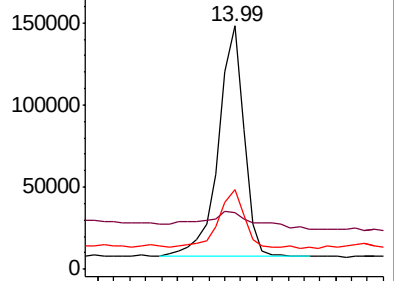
236 32.9 21.0 31.4#



Abundance Ion 240.00 (239.70 to 240.70): E

200000 Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#79

Terphenyl-d14

Concen: 28.945 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.14 min

Lab File: BF119366.D

Acq: 12 Mar 2020 1:08

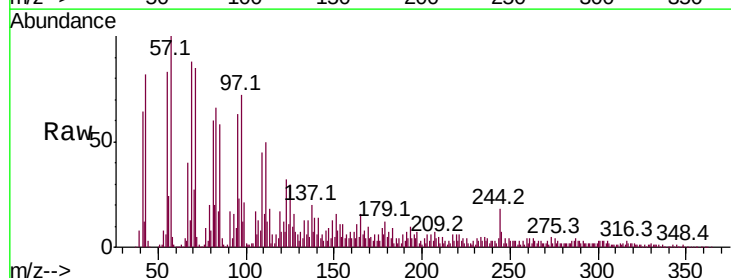
Tgt Ion:244 Resp: 264502

Ion Ratio Lower Upper

244 100

212 12.5 6.6 10.0#

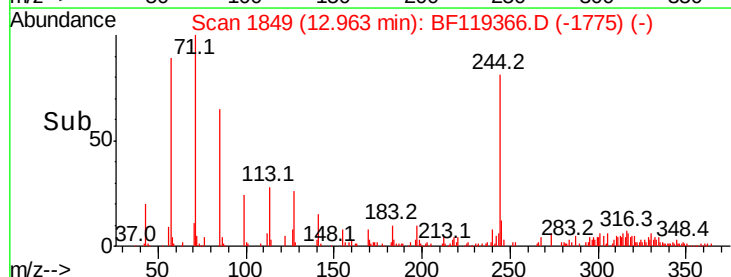
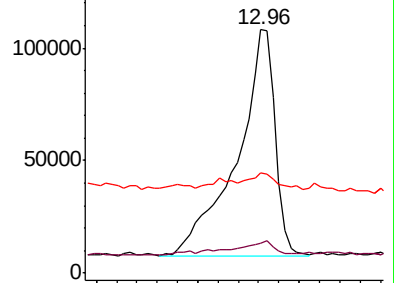
122 41.1 8.2 12.2#

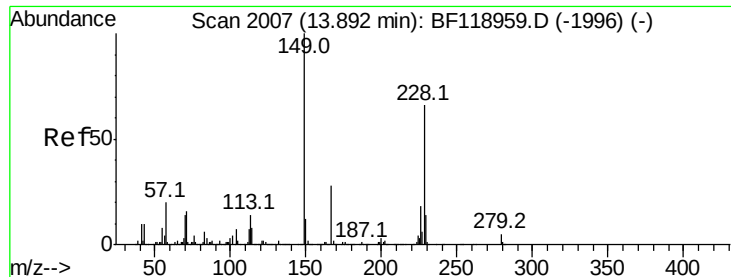


Abundance Ion 244.00 (243.70 to 244.70): E

150000 Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.551 ng

RT: 13.92 min Scan# 2011

Delta R.T. 0.06 min

Lab File: BF119366.D

Acq: 12 Mar 2020 1:08

Instrument :

BNA_F

ClientSampleId :

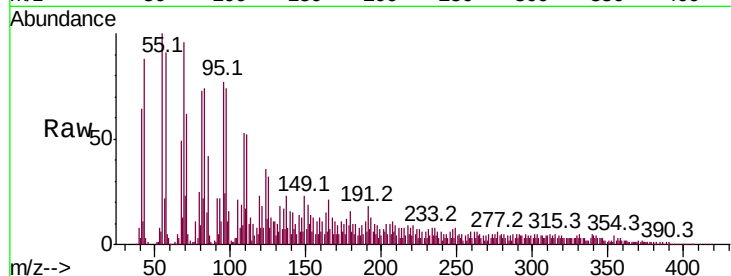
Tot Ion:149 Resp: 30570

Ion Ratio Lower Upper

149 100

167 57.5 22.8 34.2#

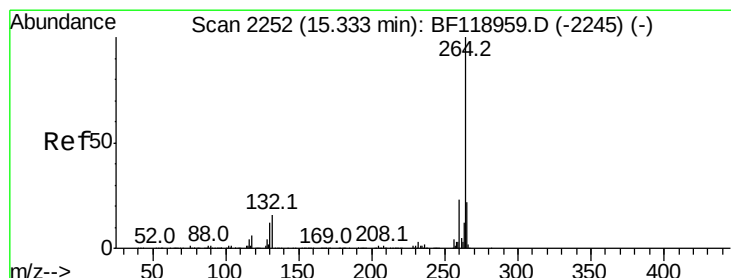
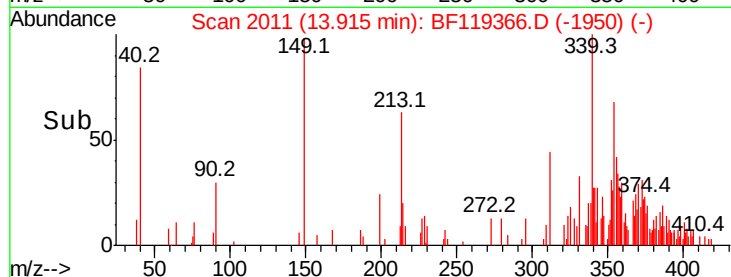
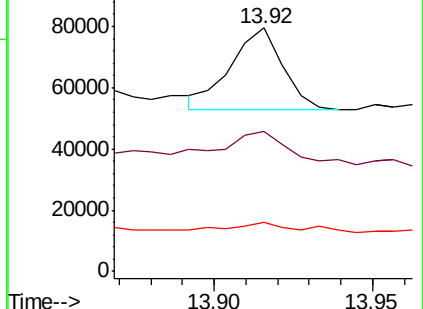
279 20.0 4.6 6.8#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.35 min Scan# 2255

Delta R.T. 0.04 min

Lab File: BF119366.D

Acq: 12 Mar 2020 1:08

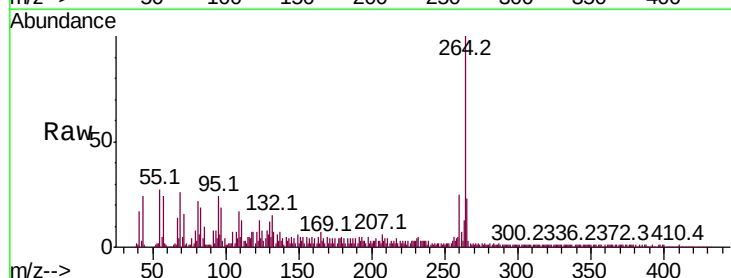
Tgt Ion:264 Resp: 224710

Ion Ratio Lower Upper

264 100

260 24.7 19.4 29.2

265 22.8 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

