

Data File : BF118580.D
Acq On : 18 Jan 2020 1:33
Operator : JU
Sample : L1173-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
0053-DECANT-H2O-COMP-5

Quant Time: Jan 18 02:38:33 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 17 15:49:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	354052	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	1296921	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	719886	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	1372760	20.00	ng	0.00
76) Chrysene-d12	14.04	240	1234388	20.00	ng	0.00
87) Perylene-d12	15.52	264	1317985	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1534413	80.08	ng	0.00
7) Phenol-d6	6.50	99	1343566	53.51	ng	-0.01
23) Nitrobenzene-d5	7.45	82	2145839	102.19	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	1229744	154.53	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	3897908	97.75	ng	0.00
79) Terphenyl-d14	13.00	244	4923161	78.77	ng	0.00

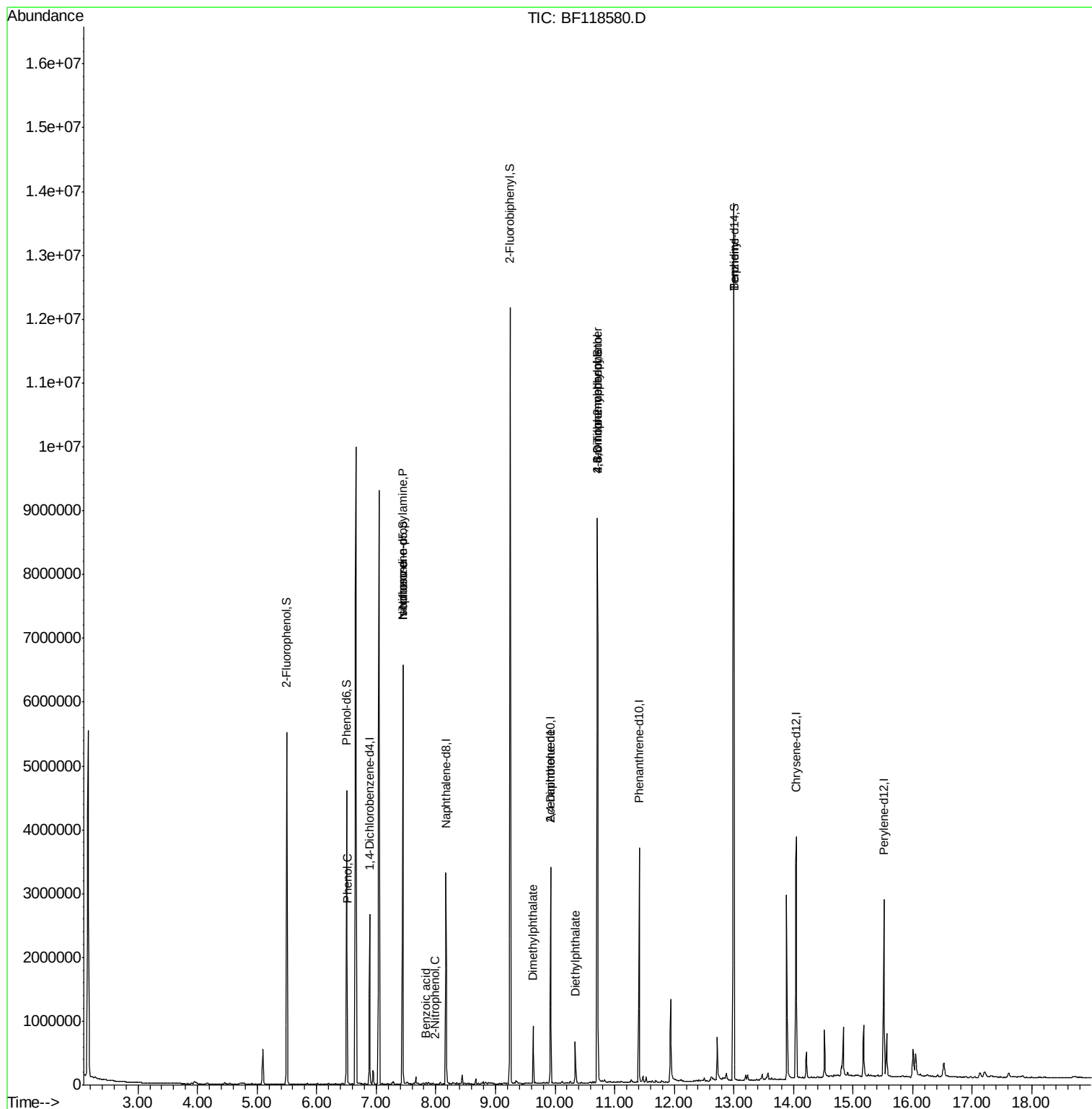
Target Compounds				Qvalue		
10) Phenol	6.52	94	109302	3.968	ng	98
19) n-Nitroso-di-n-propylamine	7.45	70	311051	17.276	ng	# 77
25) Isophorone	7.45	82	2134880	46.844	ng	# 63
26) 2-Nitrophenol	8.00	139	117	6.216	ng	# 44
32) Benzoic acid	7.83	122	3083	8.061	ng	99
50) Dimethylphthalate	9.63	163	311251	6.297	ng	97
57) 2,4-Dinitrotoluene	9.92	165	96680	12.000	ng	# 23
60) Diethylphthalate	10.34	149	207056	4.291	ng	95
65) 4,6-Dinitro-2-methylphenol	10.71	198	3111	10.169	ng	# 1
67) 4-Bromophenyl-phenylether	10.71	248	79397	4.321	ng	# 1
77) Benzidine	13.00	184	71714	2.391	ng	# 95

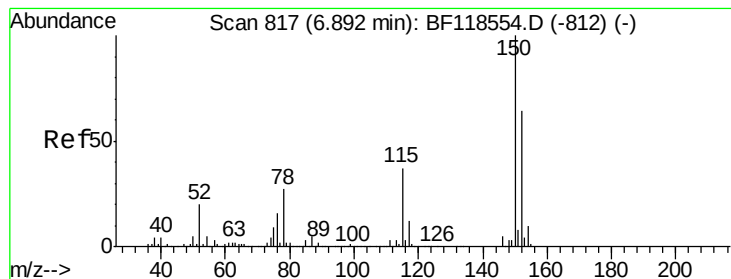
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.89 min Scan# 816

Delta R.T. -0.01 min

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Instrument :

BNA_F

ClientSampleId :

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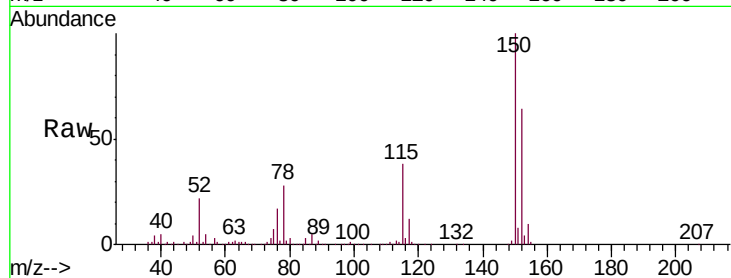
Tgt Ion:152 Resp: 354052

Ion Ratio Lower Upper

152 100

150 155.5 124.9 187.3

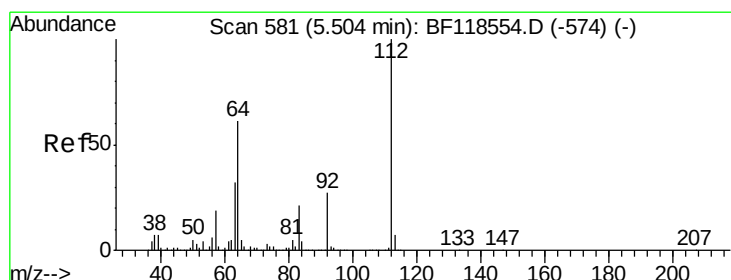
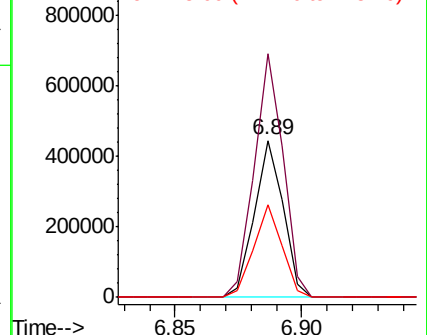
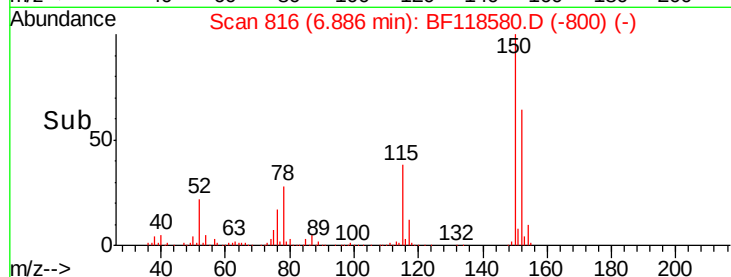
115 59.3 45.8 68.6



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: 80.078 ng

RT: 5.50 min Scan# 580

Delta R.T. -0.01 min

Lab File: BF118580.D

Acq: 18 Jan 2020 1:33

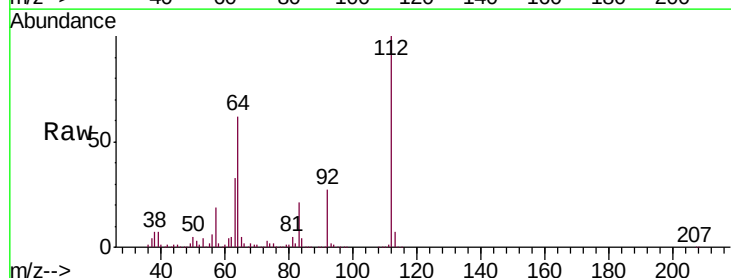
Tgt Ion:112 Resp: 1534413

Ion Ratio Lower Upper

112 100

64 61.6 49.1 73.7

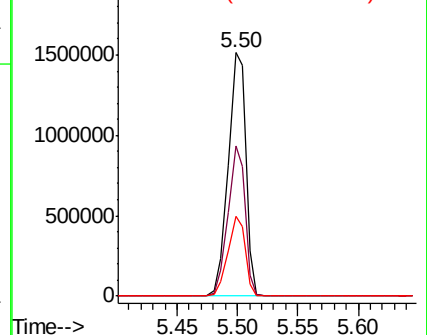
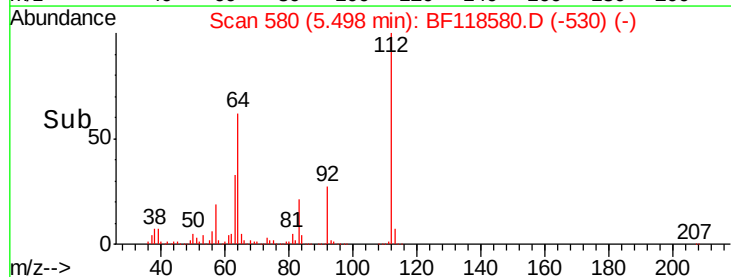
63 32.9 25.8 38.8

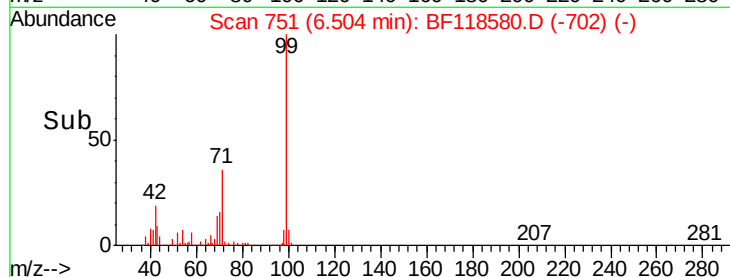
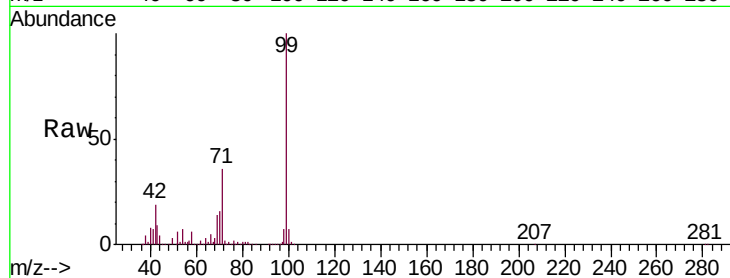
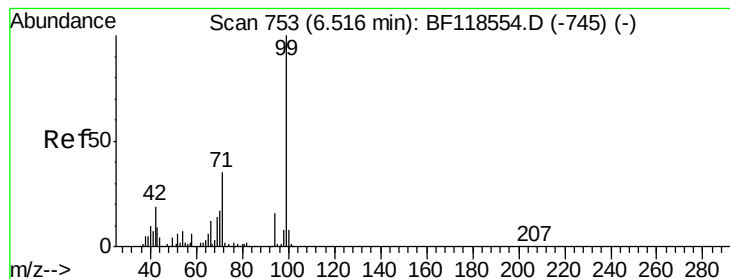


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 53.513 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118580.D

Acq: 18 Jan 2020 1:33

Instrument :

BNA_F

ClientSampleId :

0053-DECANT-H2O-COMP-5

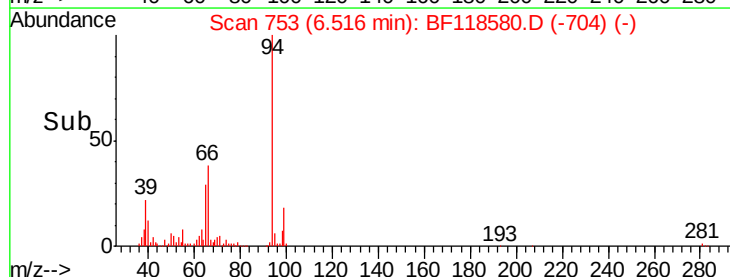
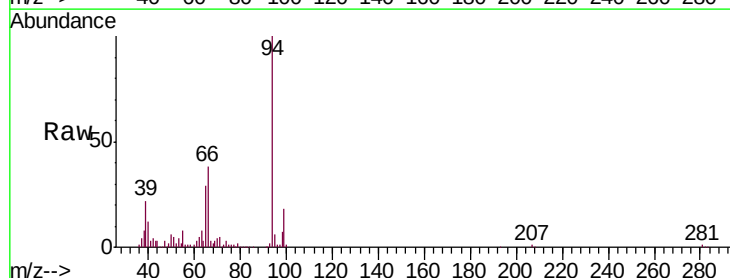
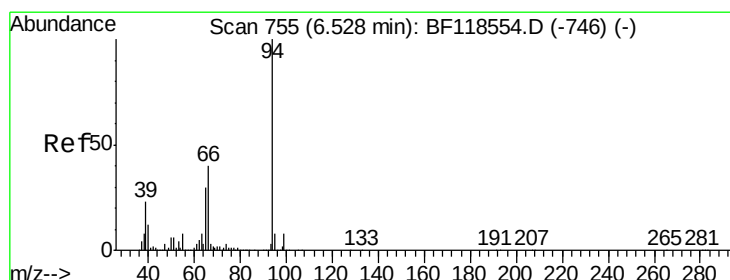
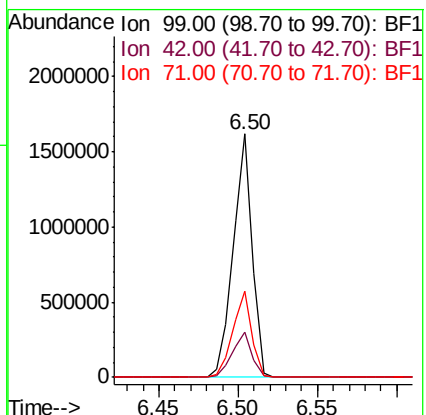
Tgt Ion: 99 Resp: 1343566

Ion Ratio Lower Upper

99 100

42 18.6 14.9 22.3

71 35.6 28.3 42.5



#10

Phenol

Concen: 3.968 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF118580.D

Acq: 18 Jan 2020 1:33

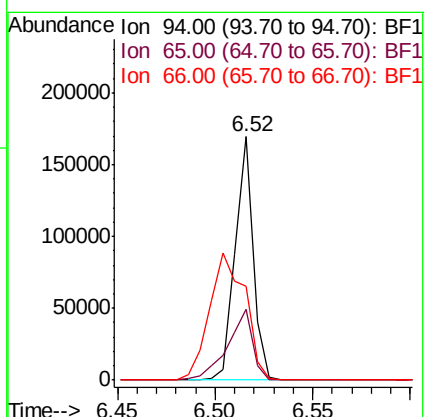
Tgt Ion: 94 Resp: 109302

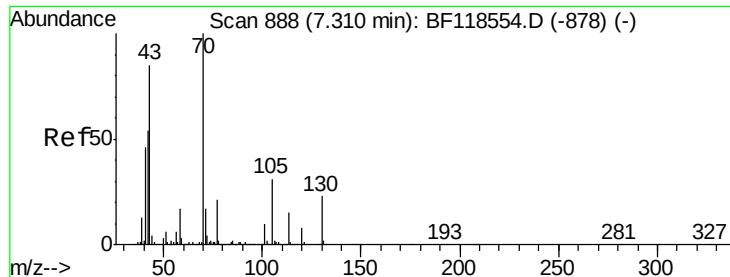
Ion Ratio Lower Upper

94 100

65 29.0 9.8 49.8

66 38.5 19.5 59.5

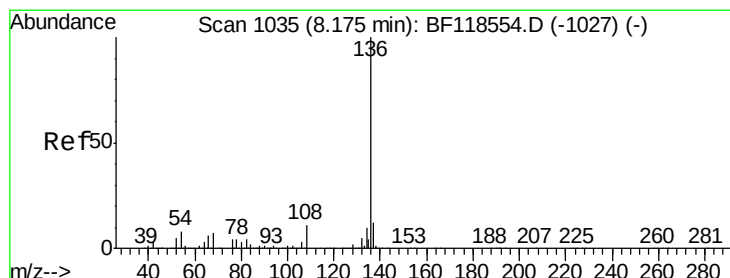
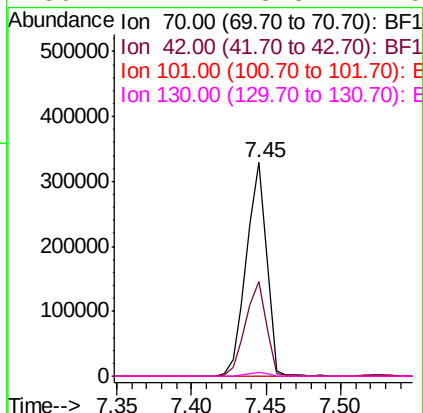
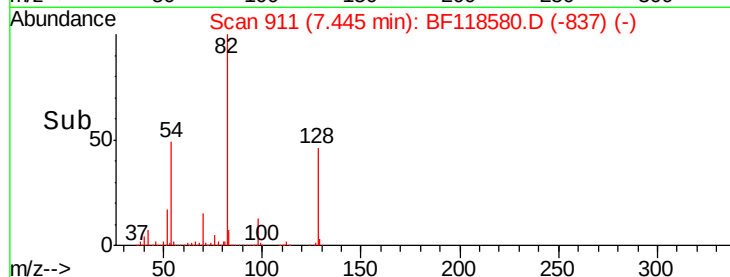
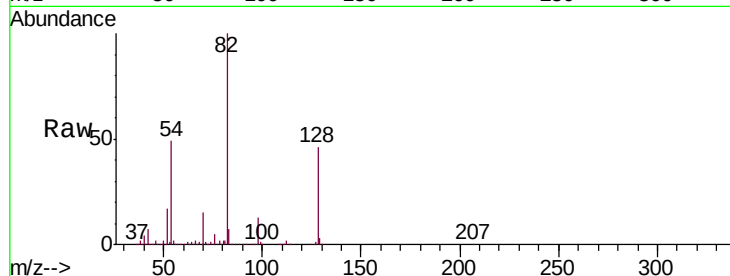




#19
n-Nitroso-di-n-propylamine
Concen: 17.276 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.14 min
Lab File: BF118580.D
Acq: 18 Jan 2020 1:33

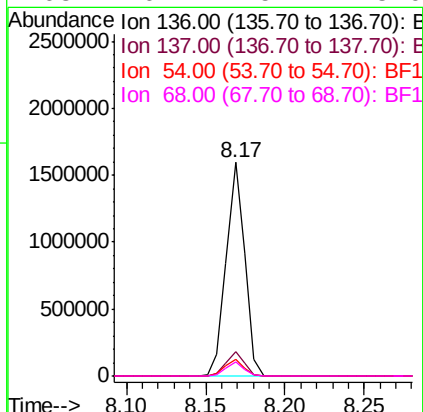
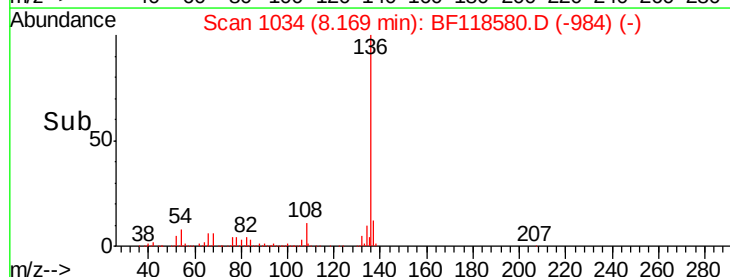
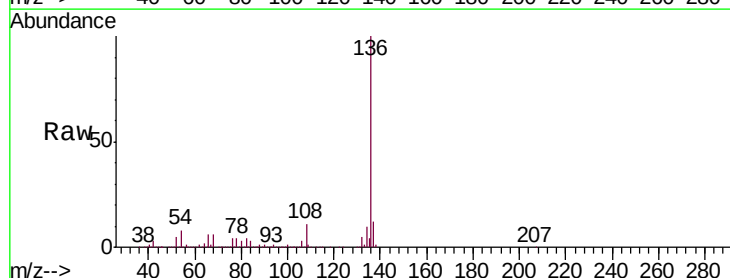
Instrument :
BNA_F
ClientSampleId :
0053-DECANT-H2O-COMP-5

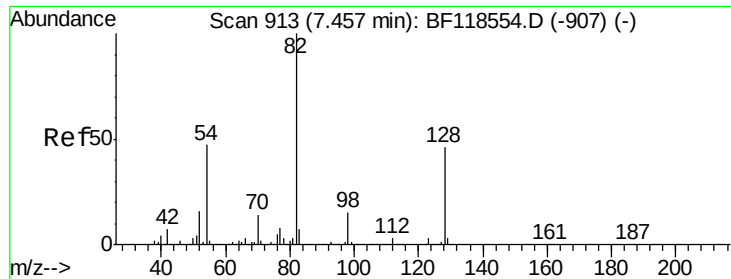
Tgt Ion	Ratio	Lower	Upper
70	100		
42	44.5	43.6	65.4
101	0.0	7.7	11.5#
130	2.1	18.3	27.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF118580.D
Acq: 18 Jan 2020 1:33

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.4	14.0
54	7.5	6.2	9.2
68	6.4	5.4	8.0

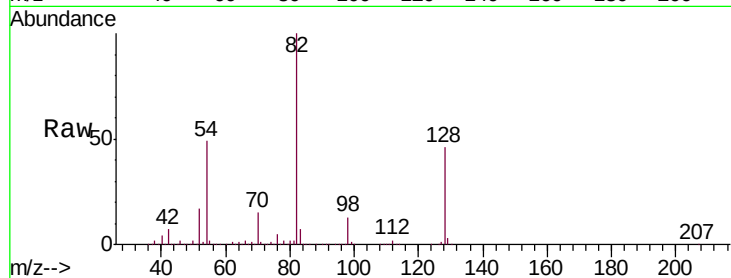




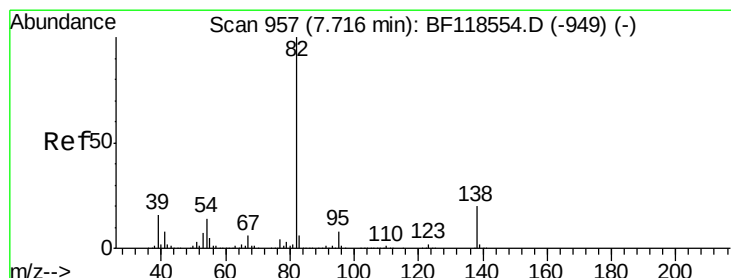
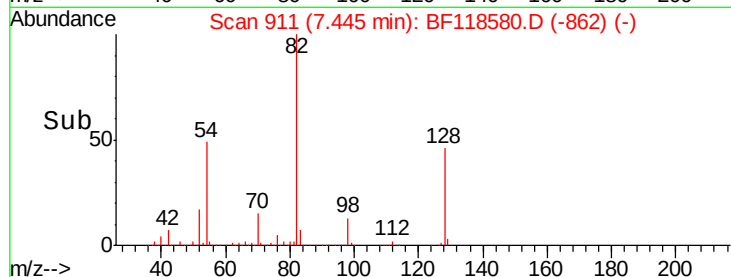
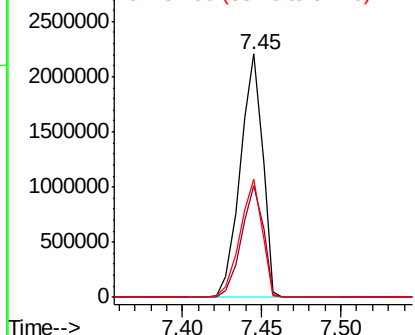
#23
Nitrobenzene-d5
Concen: 102.189 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF118580.D
Acq: 18 Jan 2020 1:33

Instrument :
BNA_F
ClientSampleId :
0053-DECANT-H2O-COMP-5

Tgt Ion: 82 Resp: 2145839
Ion Ratio Lower Upper
82 100
128 45.8 37.0 55.4
54 48.6 37.4 56.0

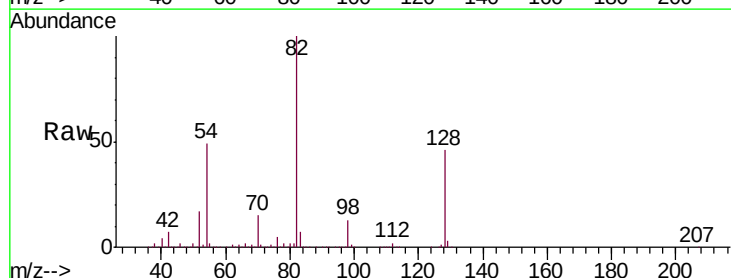


Abundance Ion 82.00 (81.70 to 82.70): BF1
3000000 Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

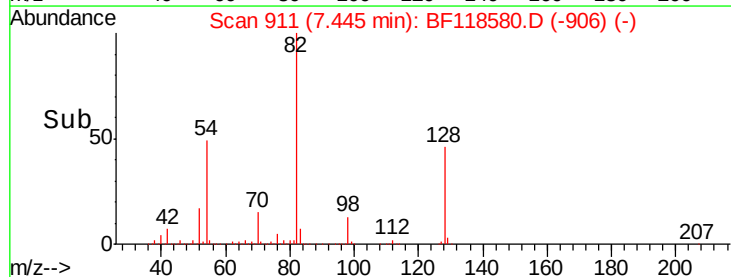
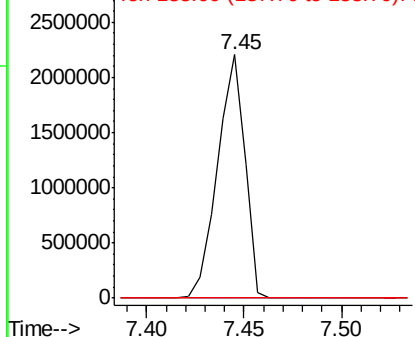


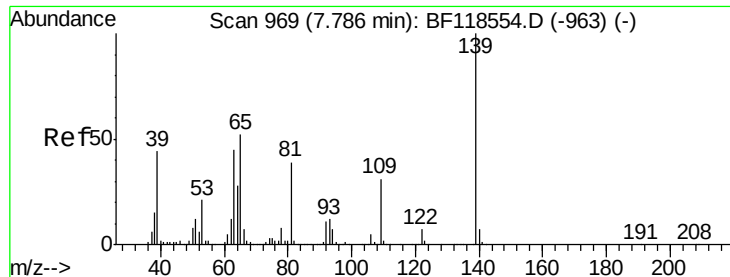
#25
Isophorone
Concen: 46.844 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.27 min
Lab File: BF118580.D
Acq: 18 Jan 2020 1:33

Tgt Ion: 82 Resp: 2134880
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.8 23.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1
3000000 Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1





#26

2-Nitrophenol

Concen: 6.216 ng

RT: 8.00 min Scan# 1005

Delta R.T. 0.21 min

Lab File: BF118580.D

Acq: 18 Jan 2020 1:33

Instrument :

BNA_F

ClientSampleId :

0053-DECANT-H2O-COMP-5

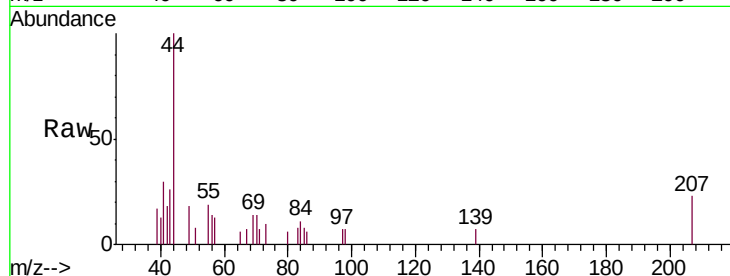
Tgt Ion:139 Resp: 117

Ion Ratio Lower Upper

139 100

109 0.0 24.6 36.8#

65 92.1 42.1 63.1#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

8.00

400

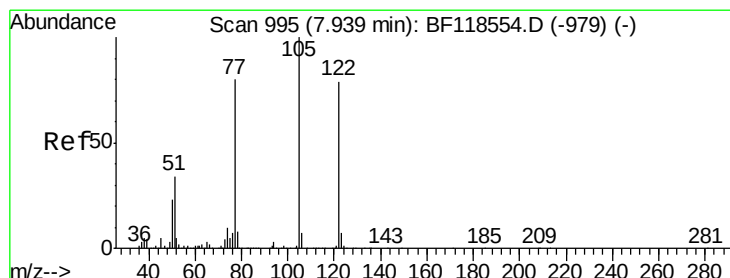
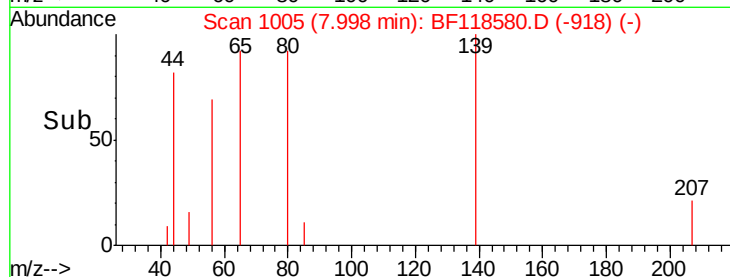
300

200

100

0

Time-->



#32

Benzoic acid

Concen: 8.061 ng

RT: 7.83 min Scan# 977

Delta R.T. -0.11 min

Lab File: BF118580.D

Acq: 18 Jan 2020 1:33

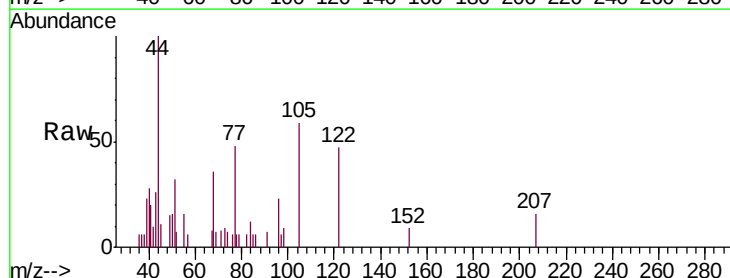
Tgt Ion:122 Resp: 3083

Ion Ratio Lower Upper

122 100

105 125.3 105.0 145.0

77 103.6 80.7 120.7



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

7.83

4000

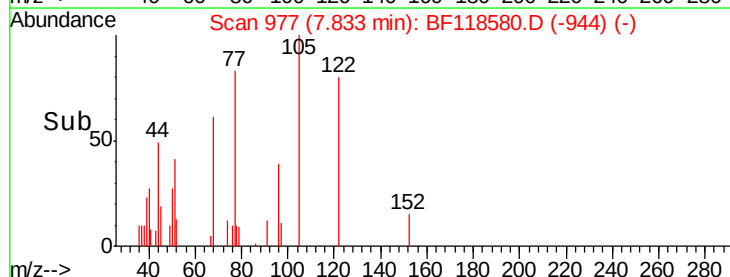
3000

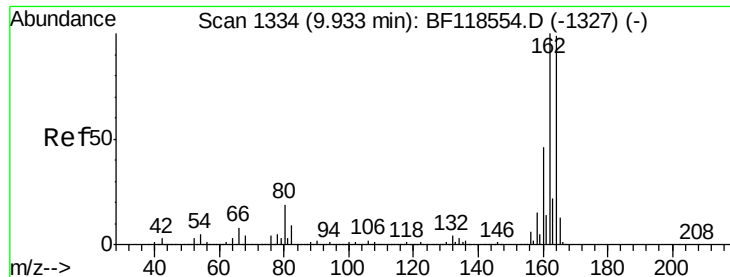
2000

1000

0

Time-->





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF118580.D

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ClientSampleId :

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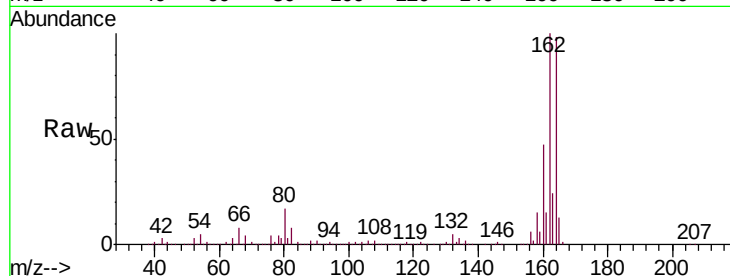
Tgt Ion:164 Resp: 719886

Ion Ratio Lower Upper

164 100

162 101.7 80.6 120.8

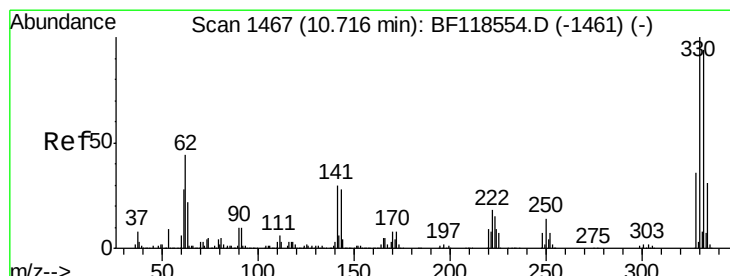
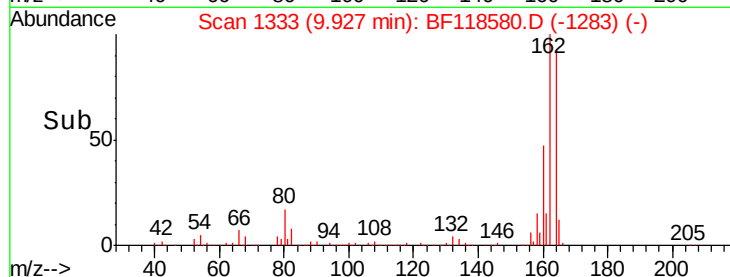
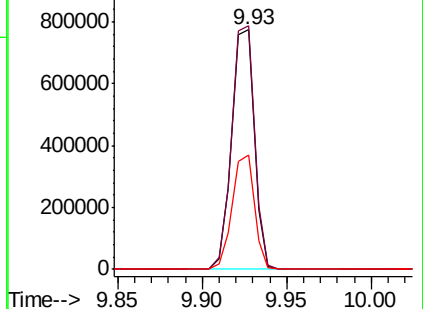
160 47.5 36.7 55.1



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: 154.526 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF118580.D

Acq: 18 Jan 2020 1:33

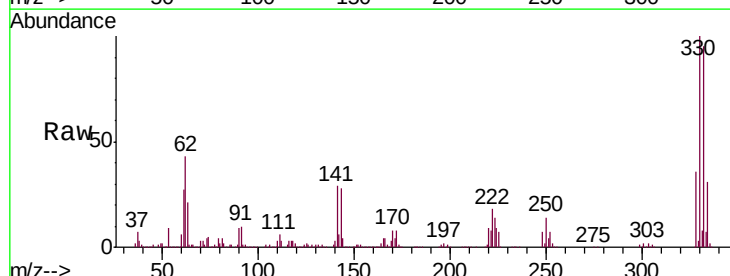
Tgt Ion:330 Resp: 1229744

Ion Ratio Lower Upper

330 100

332 95.9 76.4 114.6

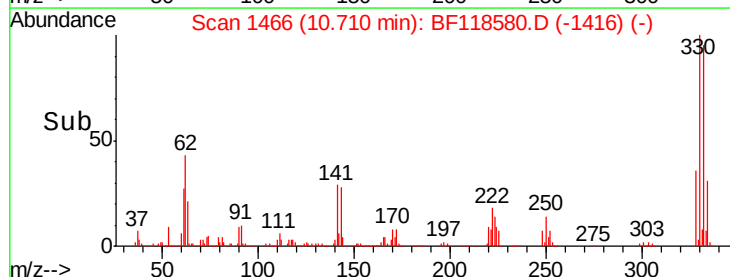
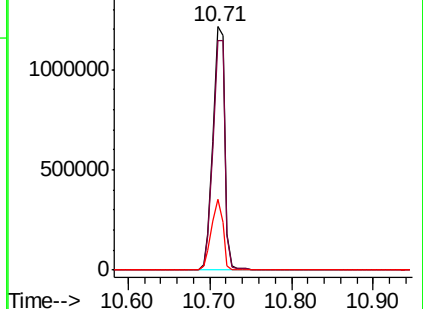
141 28.8 23.4 35.2

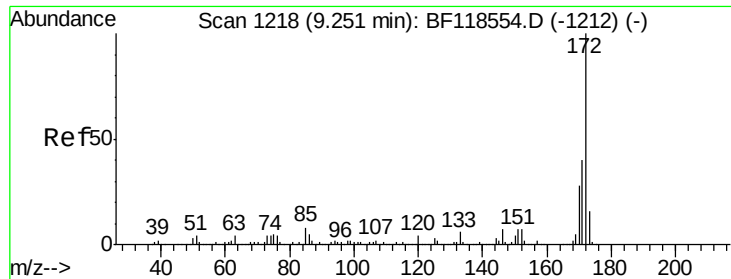


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

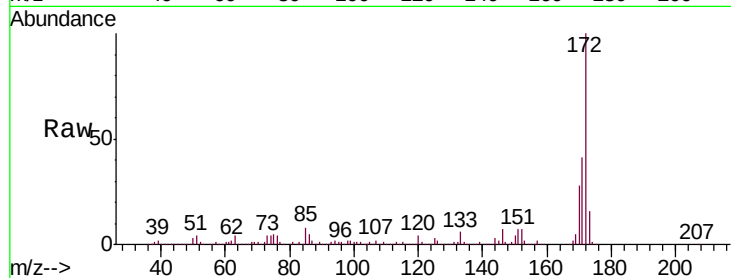




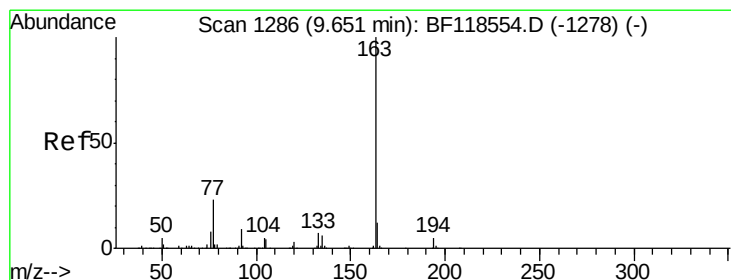
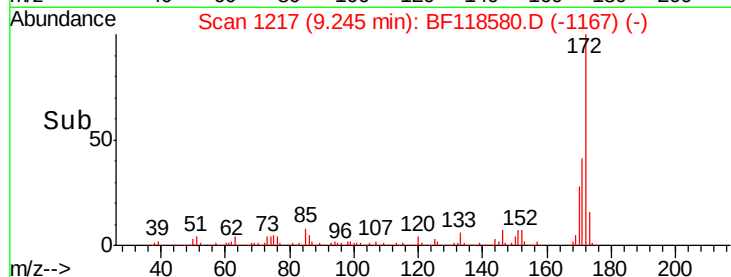
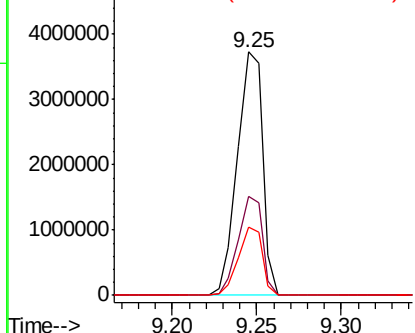
#45
 2-Fluorobiphenyl
 Concen: 97.750 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF118580.D
 Acq: 18 Jan 2020 1:33

Instrument :
 BNA_F
 ClientSampleId :
 0053-DECANT-H2O-COMP-5

Tgt Ion:172 Resp: 3897908
 Ion Ratio Lower Upper
 172 100
 171 40.6 32.4 48.6
 170 27.9 22.5 33.7

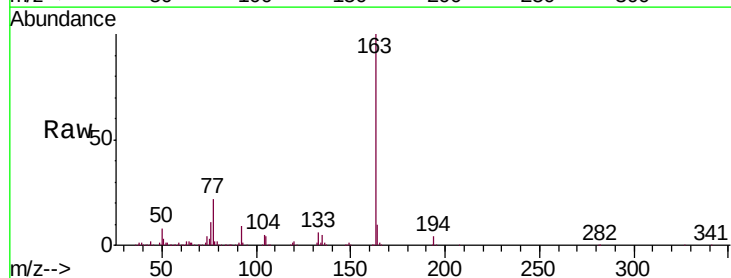


Abundance Ion 172.00 (171.70 to 172.70): E
 5000000 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

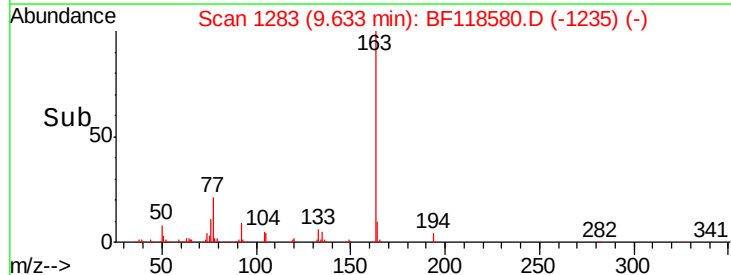
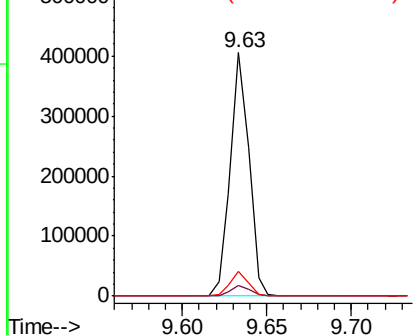


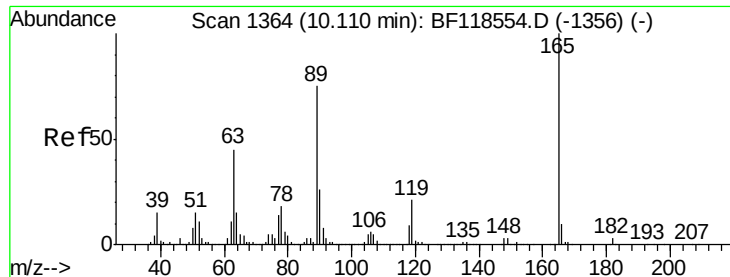
#50
 Dimethylphthalate
 Concen: 6.297 ng
 RT: 9.63 min Scan# 1283
 Delta R.T. -0.02 min
 Lab File: BF118580.D
 Acq: 18 Jan 2020 1:33

Tgt Ion:163 Resp: 311251
 Ion Ratio Lower Upper
 163 100
 194 4.1 3.8 5.8
 164 10.3 9.3 13.9



Abundance Ion 163.00 (162.70 to 163.70): E
 500000 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

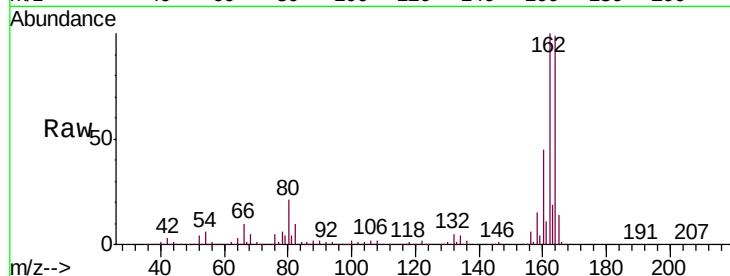




#57
2,4-Dinitrotoluene
Concen: 12.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.19 min
Lab File: BF118580.D
Acq: 18 Jan 2020 1:33

Instrument :
BNA_F
ClientSampleId :
0053-DECANT-H2O-COMP-5

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	35.8	53.6#
89	1.7	59.9	89.9#
182	0.0	2.2	3.2#



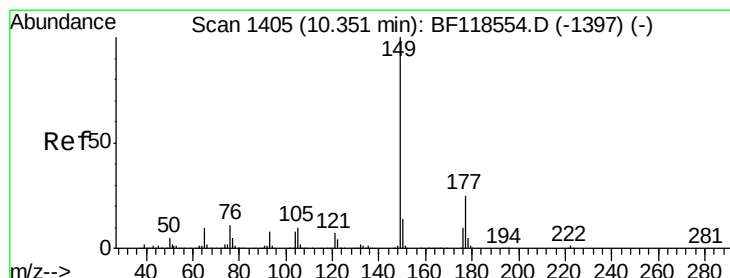
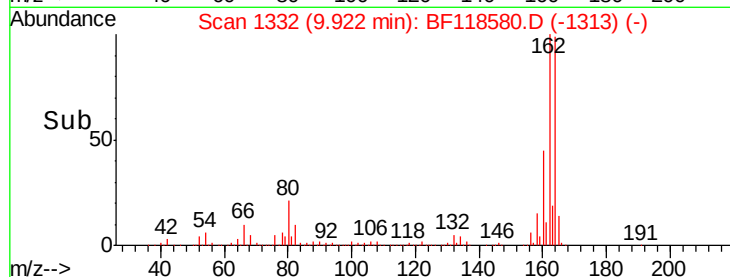
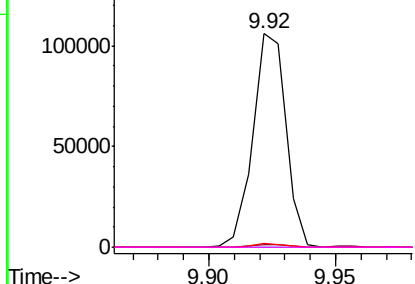
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

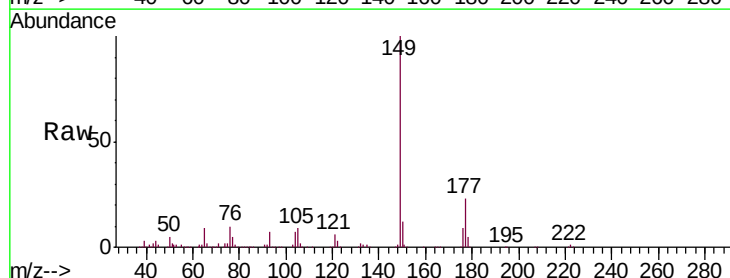
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#60
Diethylphthalate
Concen: 4.291 ng
RT: 10.34 min Scan# 1403
Delta R.T. -0.01 min
Lab File: BF118580.D
Acq: 18 Jan 2020 1:33

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.6	20.2	30.4
150	12.4	11.0	16.4

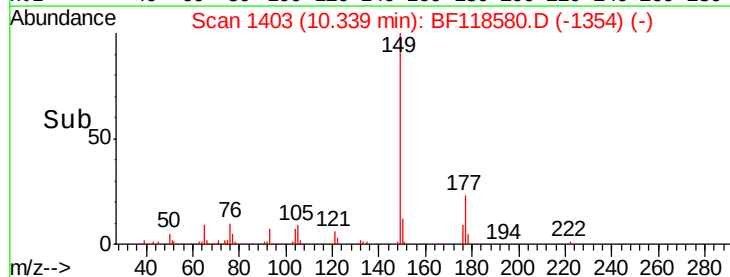
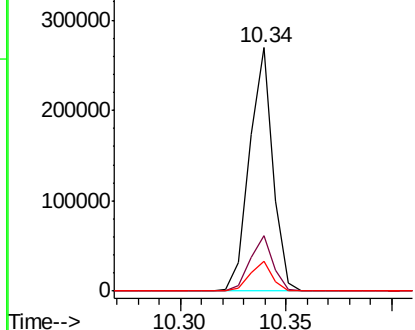


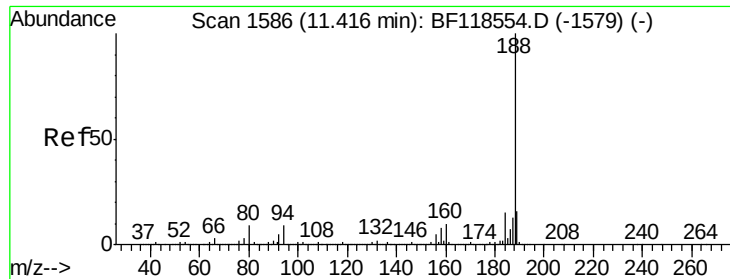
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

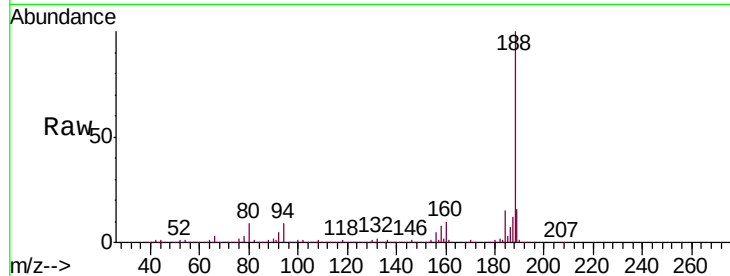




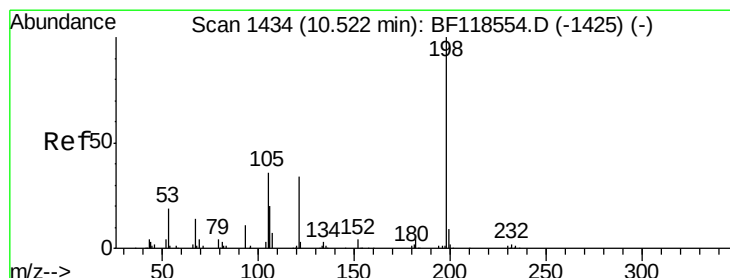
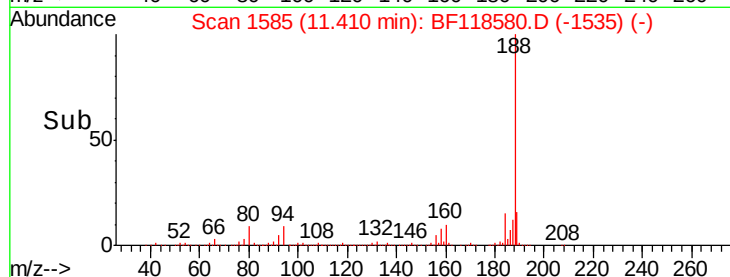
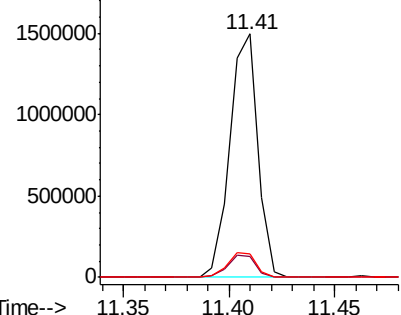
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF118580.D
Acq: 18 Jan 2020 1:33

Instrument :
BNA_F
ClientSampleId :
0053-DECANT-H2O-COMP-5

Tgt Ion:188 Resp: 1372760
Ion Ratio Lower Upper
188 100
94 8.7 7.0 10.4
80 9.5 7.4 11.2

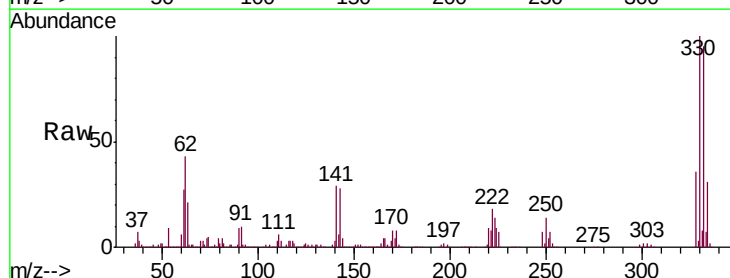


Abundance Ion 188.00 (187.70 to 188.70): E
2000000 Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

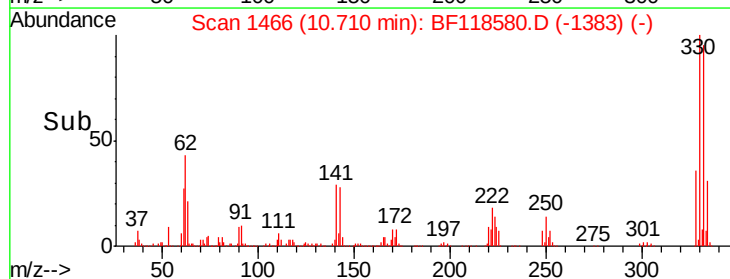
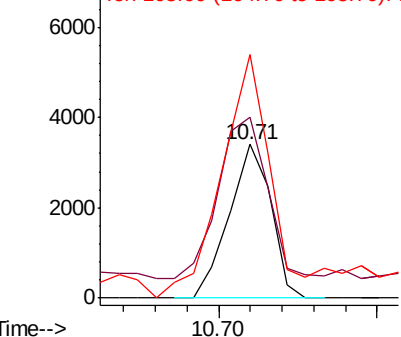


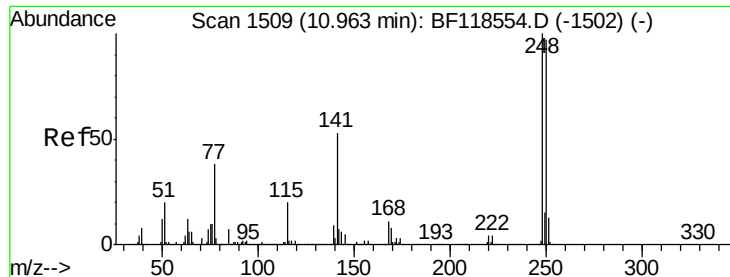
#65
4,6-Dinitro-2-methylphenol
Concen: 10.169 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.19 min
Lab File: BF118580.D
Acq: 18 Jan 2020 1:33

Tgt Ion:198 Resp: 3111
Ion Ratio Lower Upper
198 100
51 117.6 13.2 53.2#
105 158.5 17.2 57.2#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

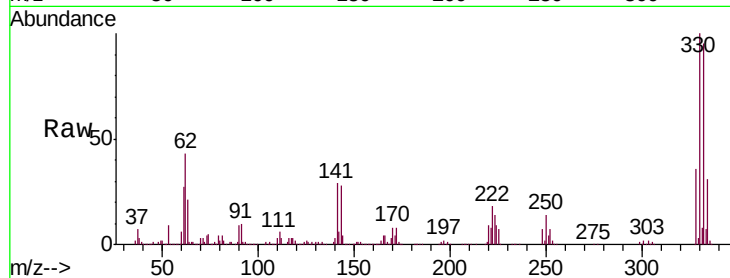




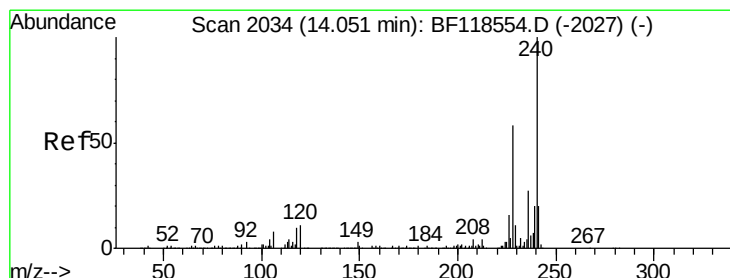
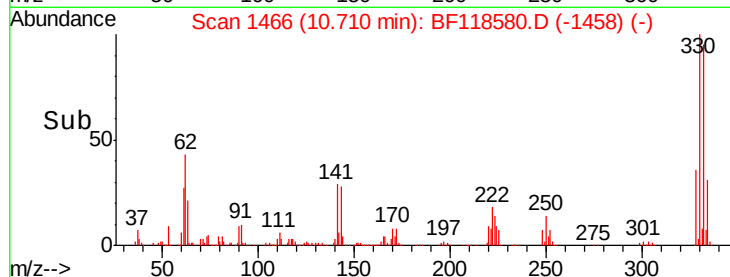
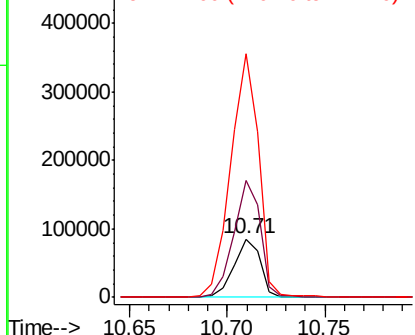
#67
 4-Bromophenyl-phenylether
 Concen: 4.321 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.25 min
 Lab File: BF118580.D
 Acq: 18 Jan 2020 1:33

Instrument :
 BNA_F
 ClientSampleId :
 0053-DECANT-H2O-COMP-5

Tgt Ion: 248 Resp: 79397
 Ion Ratio Lower Upper
 248 100
 250 201.3 77.8 116.8#
 141 419.3 42.7 64.1#

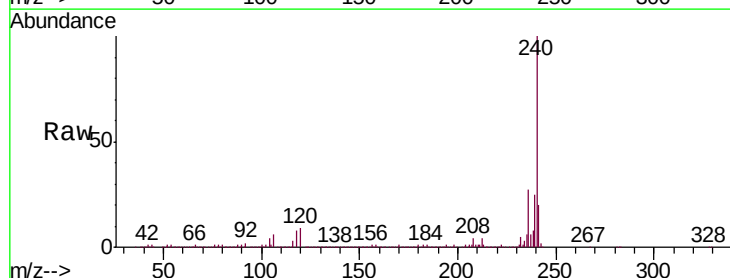


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

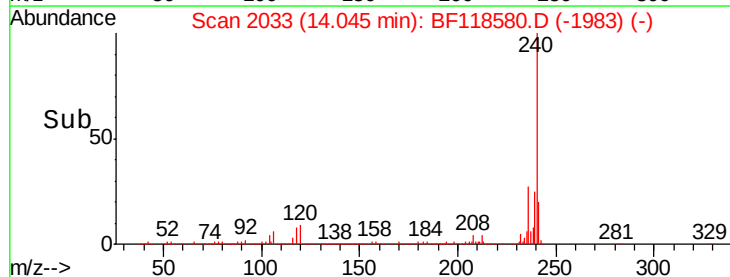
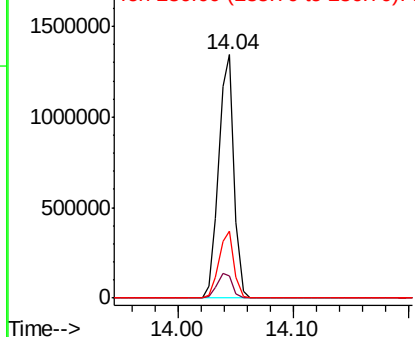


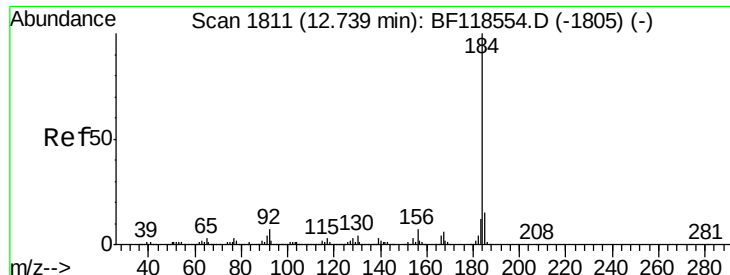
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF118580.D
 Acq: 18 Jan 2020 1:33

Tgt Ion: 240 Resp: 1234388
 Ion Ratio Lower Upper
 240 100
 120 9.0 8.7 13.1
 236 27.3 21.8 32.8



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





#77

Benzidine

Concen: 2.391 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.26 min

Lab File: BF118580.D

Acq: 18 Jan 2020 1:33

Instrument :

BNA_F

ClientSampleId :

0053-DECANT-H2O-COMP-5

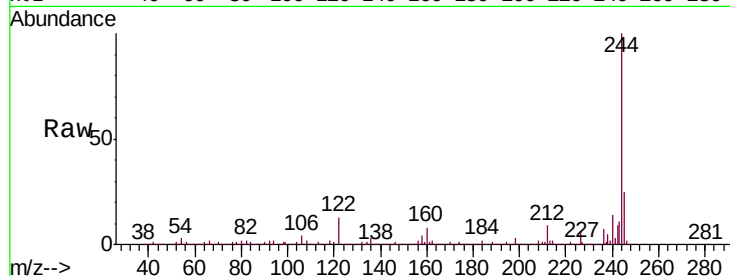
Tgt Ion:184 Resp: 71714

Ion Ratio Lower Upper

184 100

185 15.9 12.3 18.5

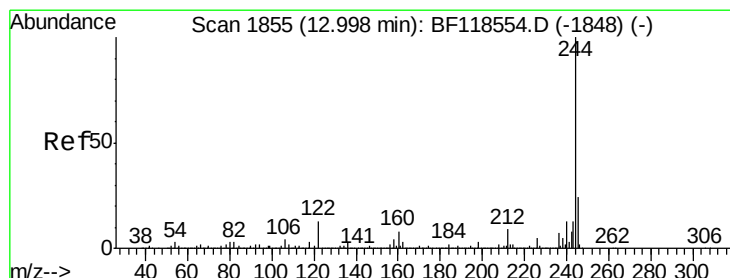
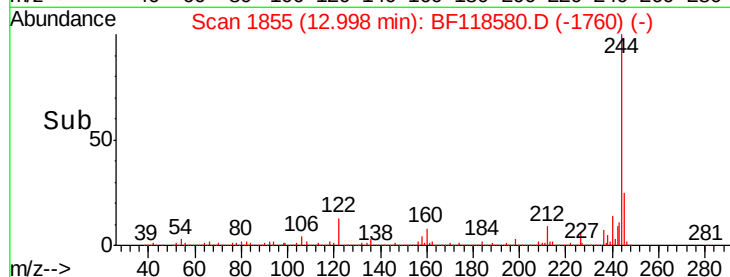
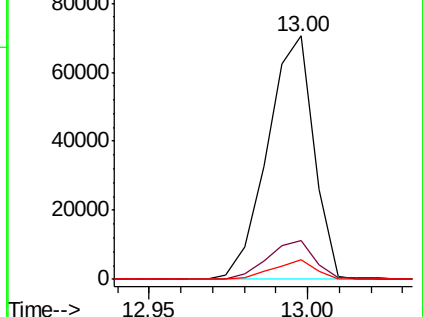
183 8.0 9.5 14.3#



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: 78.767 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF118580.D

Acq: 18 Jan 2020 1:33

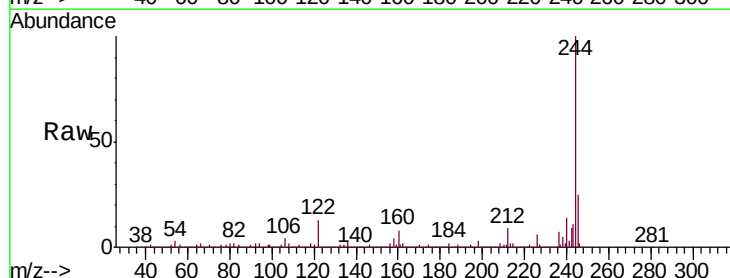
Tgt Ion:244 Resp: 4923161

Ion Ratio Lower Upper

244 100

212 8.9 7.0 10.4

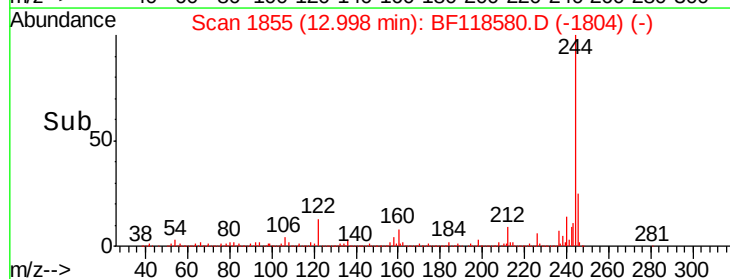
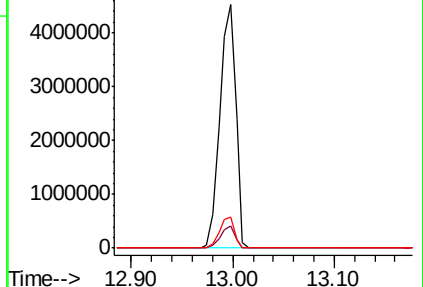
122 12.7 10.4 15.6

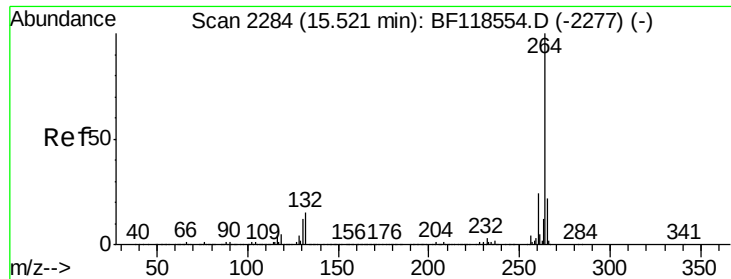


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.52 min Scan# 2283
Delta R.T. -0.01 min
Lab File: BF118580.D
Acq: 18 Jan 2020 1:33

Instrument :
BNA_F
ClientSampleId :
0053-DECANT-H2O-COMP-5

Tgt Ion: 264 Resp: 1317985

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.0	28.6
265	22.8	17.6	26.4

