

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF052020\
 Data File : BF120373.D
 Acq On : 20 May 2020 16:52
 Operator : MA/SJ
 Sample : L2713-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ZIPPER-DRAINS-SLUDGE-PIT

Quant Time: May 20 17:23:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 20 13:33:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	320796	20.00	ng	0.00
21) Naphthalene-d8	7.87	136	1288558	20.00	ng	0.00
39) Acenaphthene-d10	9.62	164	661246	20.00	ng	-0.01
64) Phenanthrene-d10	11.11	188	1120294	20.00	ng	0.00
76) Chrysene-d12	13.74	240	740264	20.00	ng	0.00
87) Perylene-d12	15.13	264	568136	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.21	112	2146836	130.21	ng	0.02
7) Phenol-d6	6.25	99	2726105	130.75	ng	0.00
23) Nitrobenzene-d5	7.16	82	1999967	106.27	ng	0.00
42) 2,4,6-Tribromophenol	10.42	330	738491	136.97	ng	0.00
45) 2-Fluorobiphenyl	8.96	172	3320709	103.17	ng	0.00
79) Terphenyl-d14	12.70	244	3090239	92.22	ng	0.00

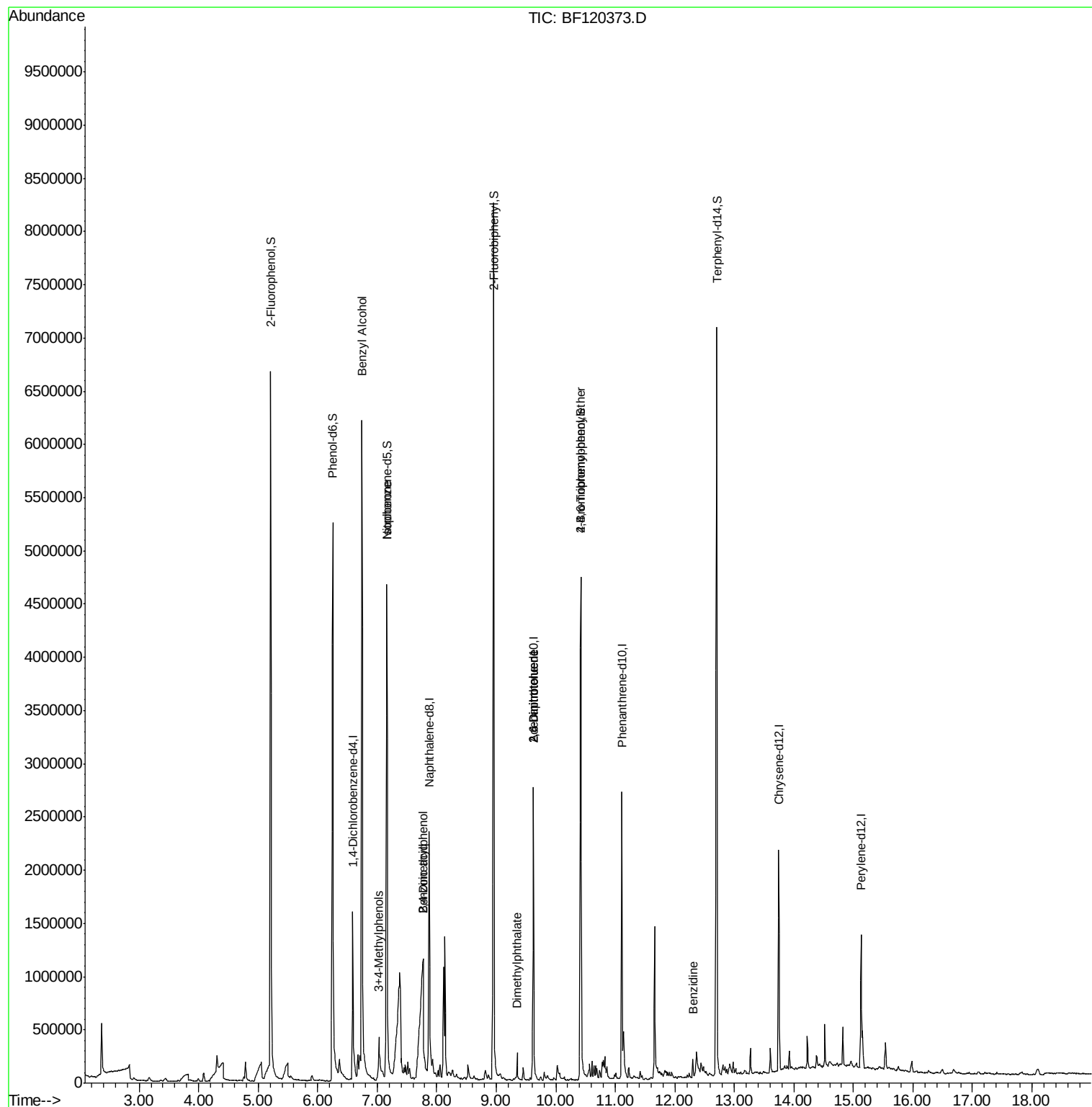
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.75	79	47166	3.184	ng	# 57
20) 3+4-Methylphenols	7.03	107	173665	8.231	ng	# 84
25) Isophorone	7.16	82	1938345	49.499	ng	# 65
27) 2,4-Dimethylphenol	7.77	122	898594	58.314	ng	# 7
32) Benzoic acid	7.77	122	926303	91.708	ng	# 99
50) Dimethylphthalate	9.35	163	103418	2.474	ng	# 99
51) 2,6-Dinitrotoluene	9.62	165	83472	8.947	ng	# 23
57) 2,4-Dinitrotoluene	9.62	165	83601	7.639	ng	# 16
67) 4-Bromophenyl-phenylether	10.42	248	44991	4.139	ng	# 1
77) Benzidine	12.30	184	72288	3.344	ng	# 83

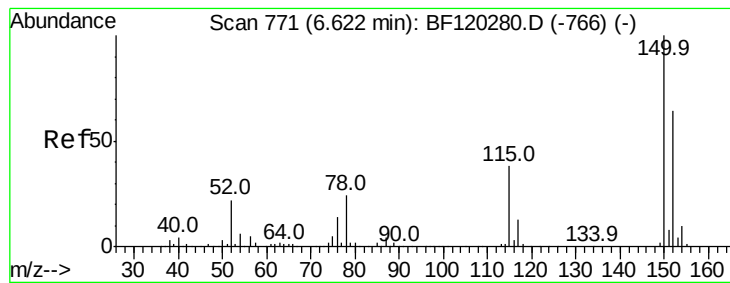
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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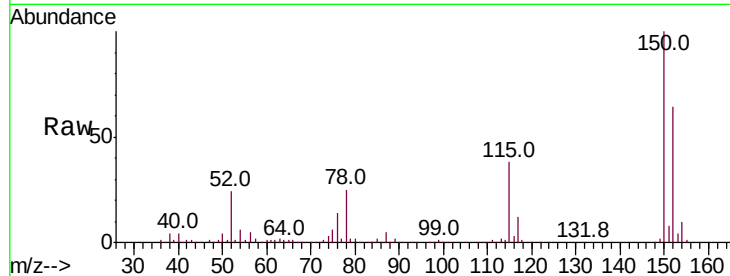


#1

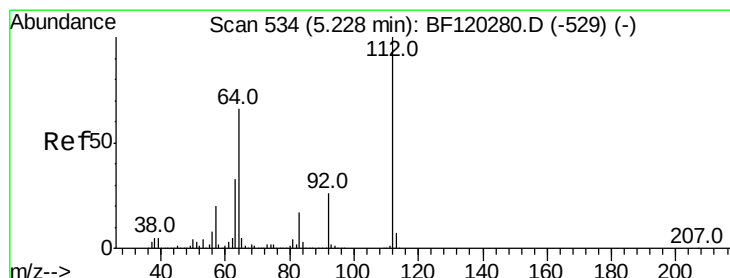
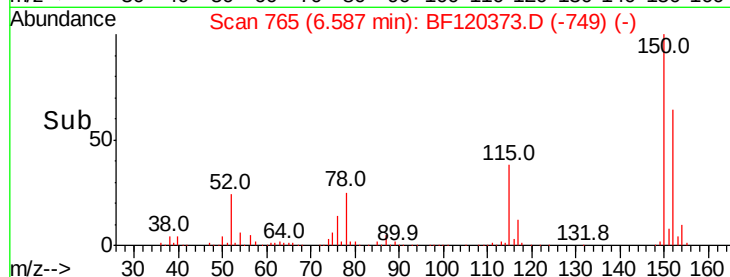
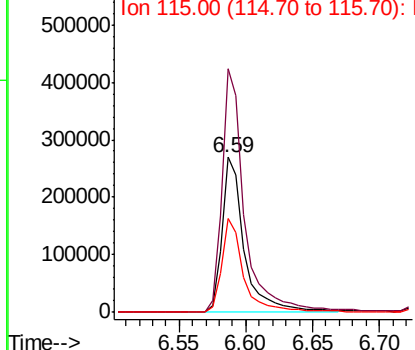
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.59 min Scan# 765
Delta R.T. -0.01 min
Lab File: BF120373.D
Acq: 20 May 2020 16:52

Instrument :
BNA_M
ClientSampleId :
ZIPPER-DRAINS-SLUDGE-PIT

Tot Ion:152 Resp: 320796
Ion Ratio Lower Upper
152 100
150 157.4 126.2 189.2
115 60.5 47.9 71.9



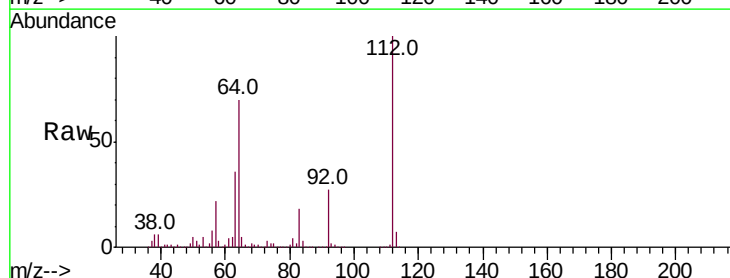
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



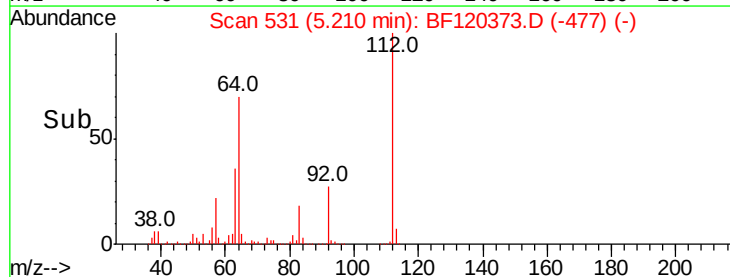
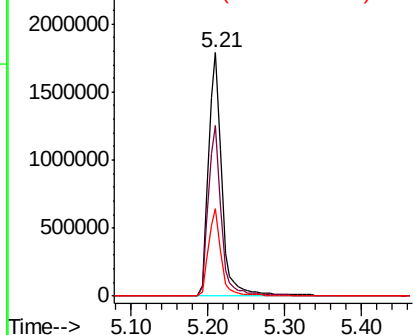
#5

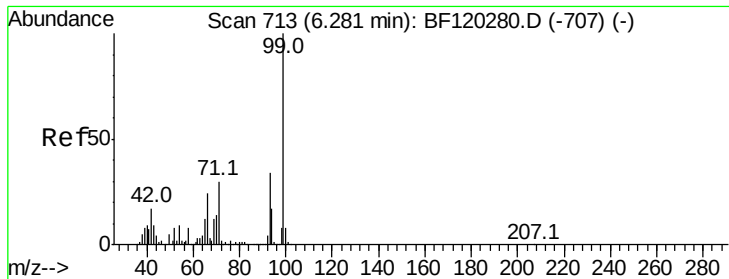
2-Fluorophenol
Concen: 130.211 ng
RT: 5.21 min Scan# 531
Delta R.T. 0.02 min
Lab File: BF120373.D
Acq: 20 May 2020 16:52

Tgt Ion:112 Resp: 2146836
Ion Ratio Lower Upper
112 100
64 70.1 52.7 79.1
63 35.8 26.2 39.4



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: 130.750 ng

RT: 6.25 min Scan# 708

Delta R.T. 0.00 min

Lab File: BF120373.D

Acq: 20 May 2020 16:52

Instrument :

BNA_M

ClientSampleId :

ZIPPER-DRAINS-SLUDGE-PIT

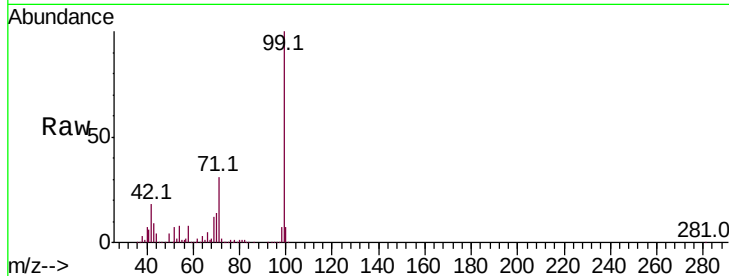
Tot Ion: 99 Resp: 2726105

Ion Ratio Lower Upper

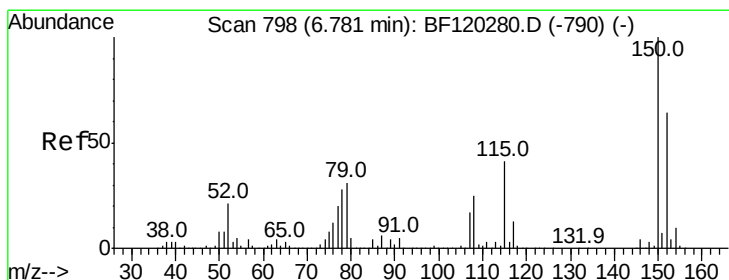
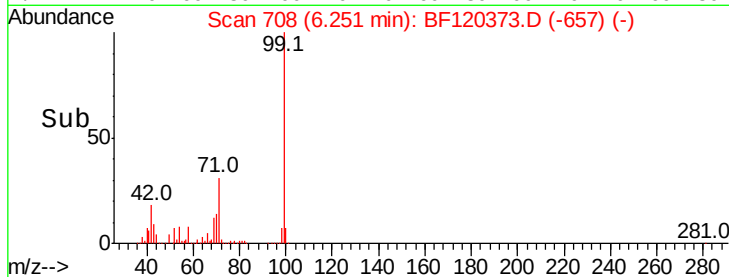
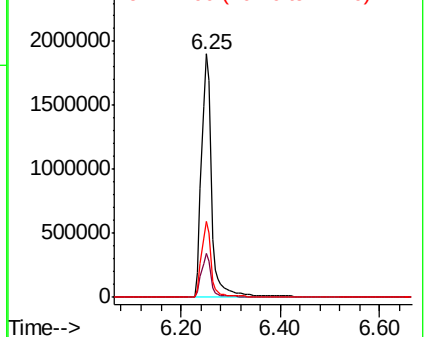
99 100

42 17.8 13.6 20.4

71 31.0 24.2 36.4



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#15

Benzyl Alcohol

Concen: 3.184 ng

RT: 6.75 min Scan# 792

Delta R.T. -0.01 min

Lab File: BF120373.D

Acq: 20 May 2020 16:52

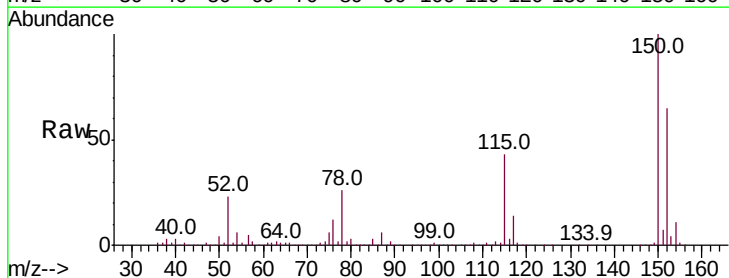
Tgt Ion: 79 Resp: 47166

Ion Ratio Lower Upper

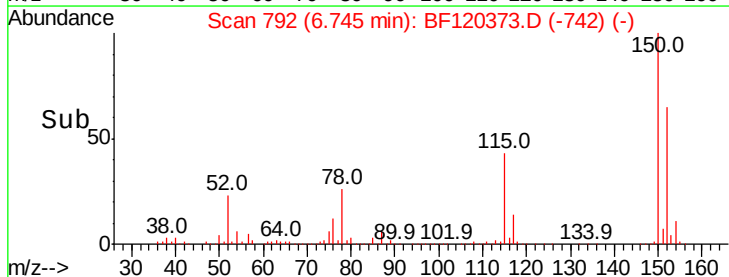
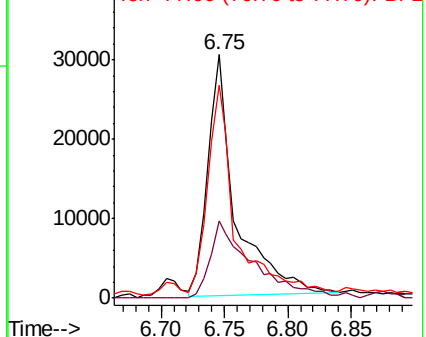
79 100

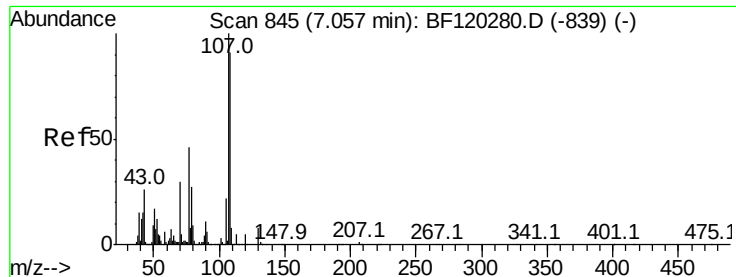
108 31.9 64.2 96.4#

77 87.4 51.6 77.4#



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





#20

3+4-Methylphenols

Concen: 8.231 ng

RT: 7.03 min Scan# 840

Delta R.T. 0.00 min

Lab File: BF120373.D

Acq: 20 May 2020 16:52

Instrument :

BNA_M

ClientSampleId :

ZIPPER-DRAINS-SLUDGE-PIT

Tot Ion:107 Resp: 173665

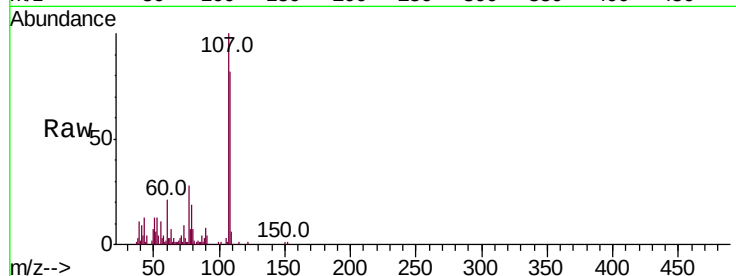
Ion Ratio Lower Upper

107 100

108 82.3 71.1 111.1

77 27.6 28.1 68.1#

79 19.0 6.8 46.8

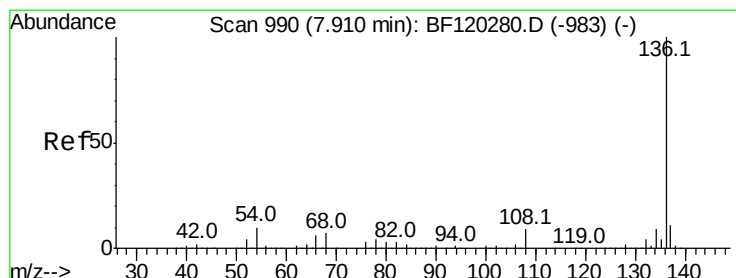
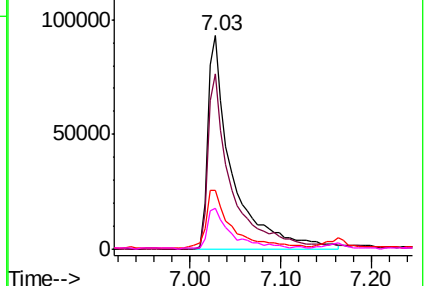
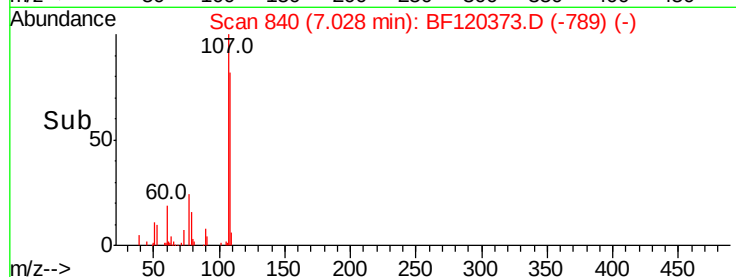


Abundance Ion 107.00 (106.70 to 107.70): E

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: 7.87 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF120373.D

Acq: 20 May 2020 16:52

Tgt Ion:136 Resp: 1288558

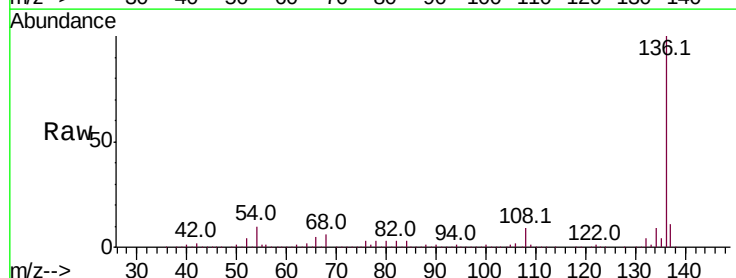
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 10.2 7.9 11.9

68 6.3 5.4 8.2

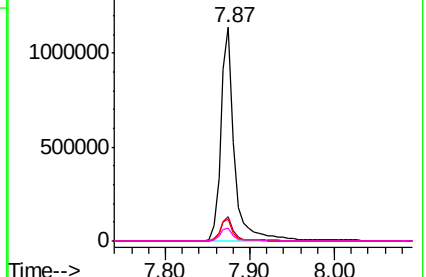
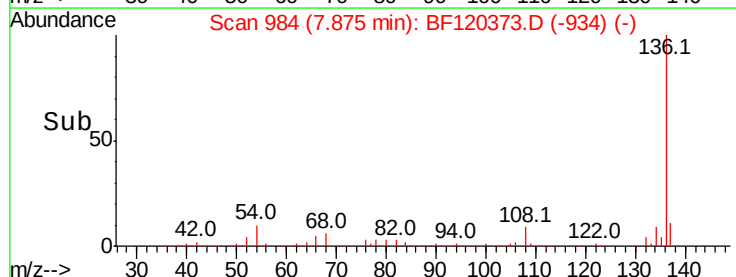


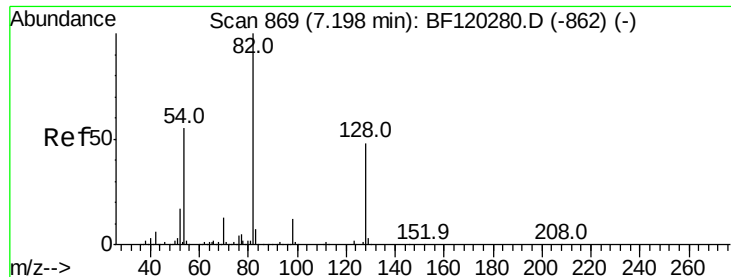
Abundance Ion 136.00 (135.70 to 136.70): E

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

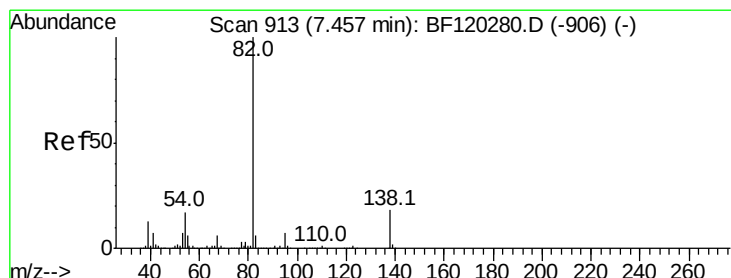
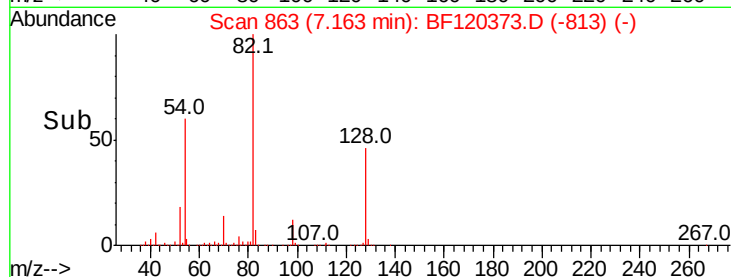
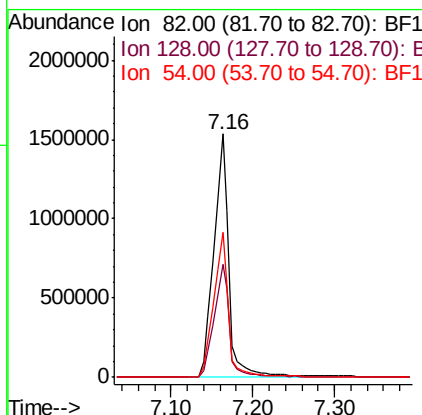
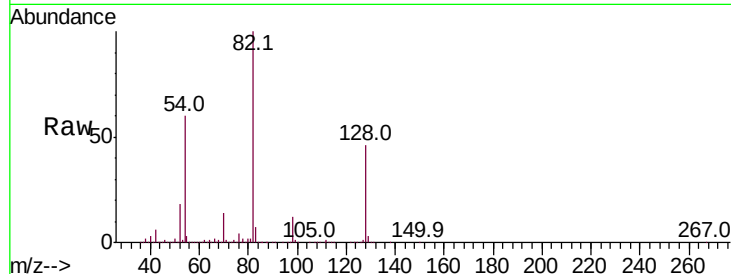




#23
 Nitrobenzene-d5
 Concen: 106.267 ng
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: BF120373.D
 Acq: 20 May 2020 16:52

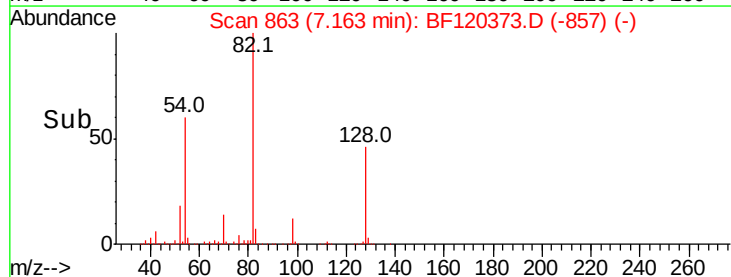
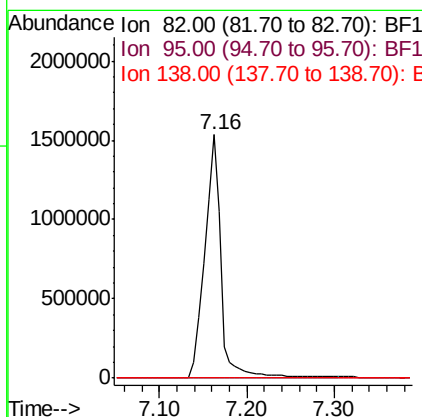
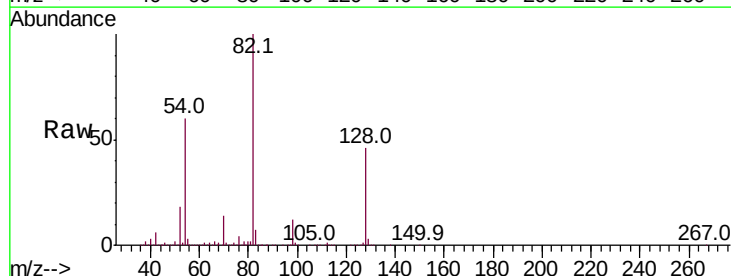
Instrument :
 BNA_M
 ClientSampleId :
 ZIPPER-DRAINS-SLUDGE-PIT

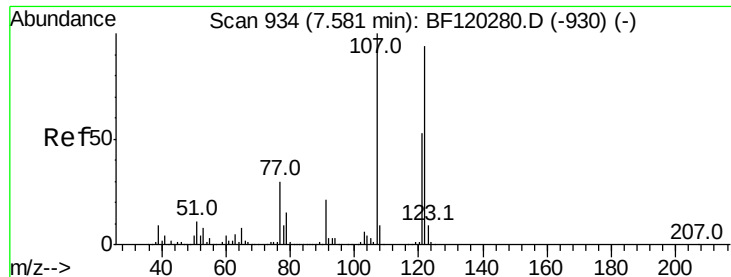
Tot Ion: 82 Resp: 1999967
 Ion Ratio Lower Upper
 82 100
 128 46.4 38.3 57.5
 54 59.7 43.9 65.9



#25
 Isophorone
 Concen: 49.499 ng
 RT: 7.16 min Scan# 863
 Delta R.T. -0.26 min
 Lab File: BF120373.D
 Acq: 20 May 2020 16:52

Tgt Ion: 82 Resp: 1938345
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.0#
 138 0.0 14.7 22.1#





#27

2,4-Dimethylphenol

Concen: 58.314 ng

RT: 7.77 min Scan# 967

Delta R.T. 0.22 min

Lab File: BF120373.D

Acq: 20 May 2020 16:52

Instrument :

BNA_M

ClientSampleId :

ZIPPER-DRAINS-SLUDGE-PIT

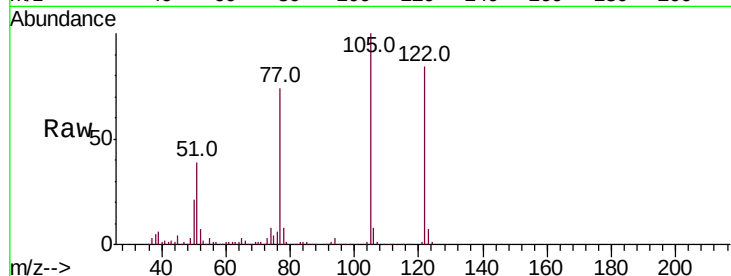
Tot Ion:122 Resp: 898594

Ion Ratio Lower Upper

122 100

107 0.8 85.0 127.6#

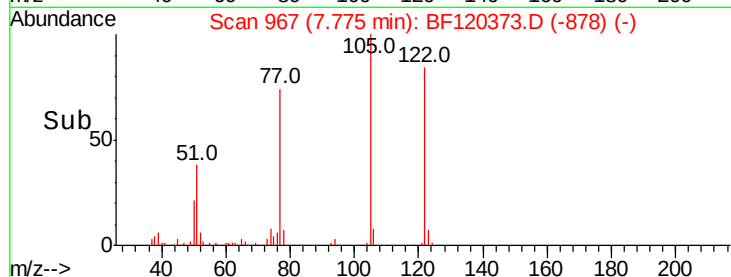
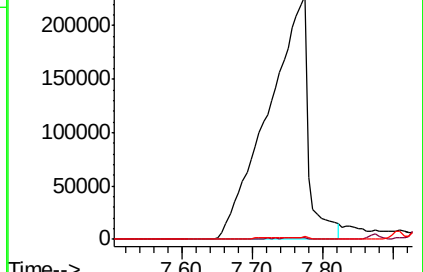
121 1.1 45.1 67.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#32

Benzoic acid

Concen: 91.708 ng

RT: 7.77 min Scan# 967

Delta R.T. 0.07 min

Lab File: BF120373.D

Acq: 20 May 2020 16:52

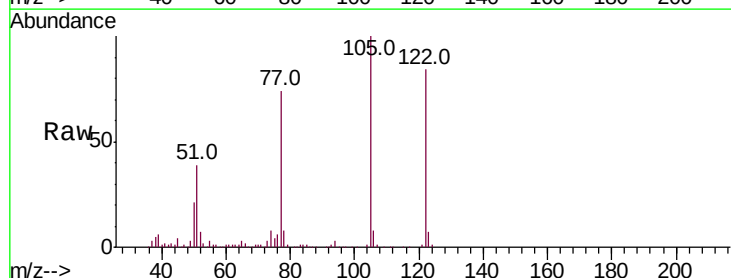
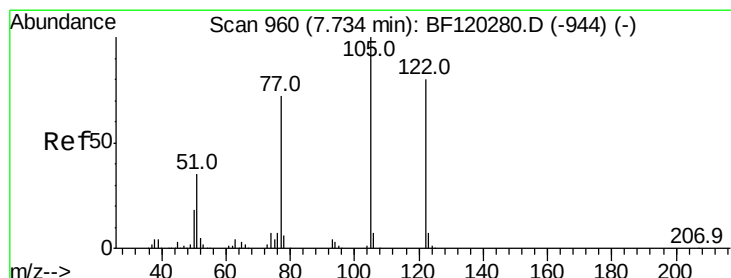
Tgt Ion:122 Resp: 926303

Ion Ratio Lower Upper

122 100

105 119.4 98.1 138.1

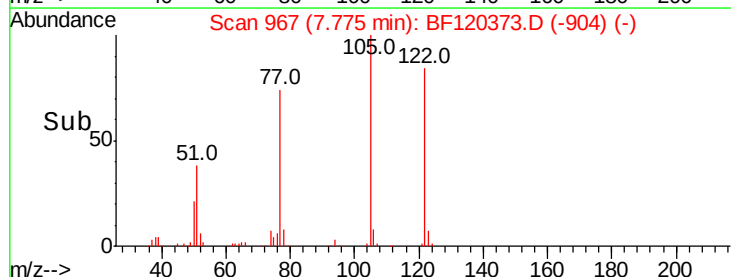
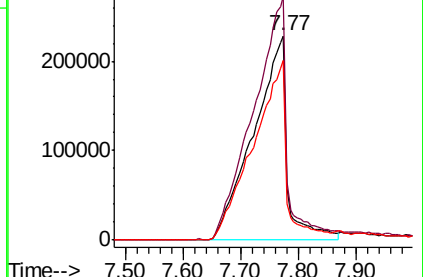
77 88.4 66.7 106.7

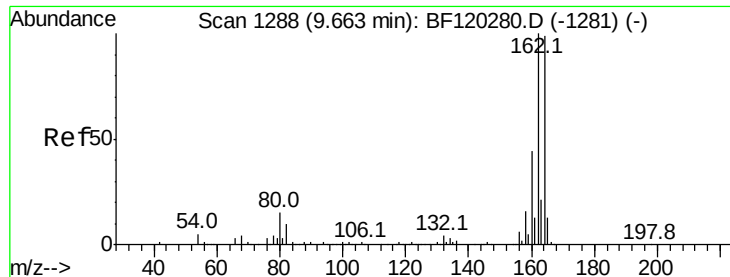


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

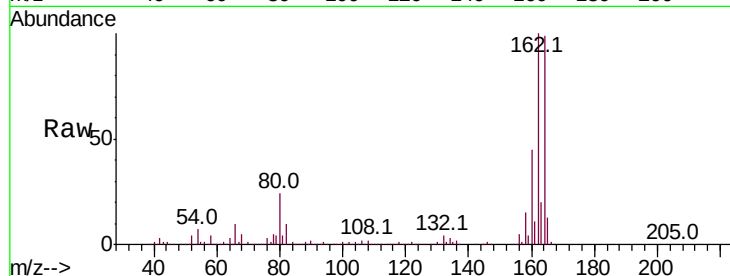




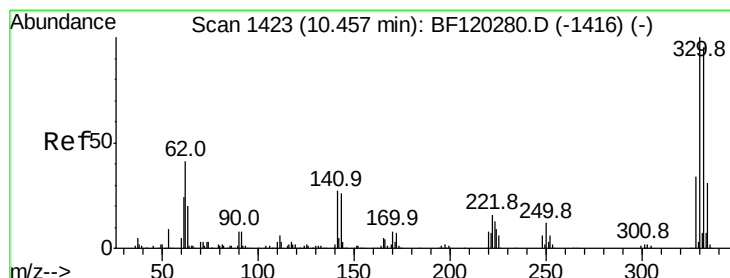
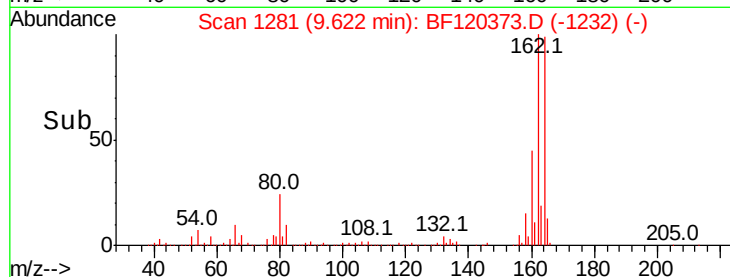
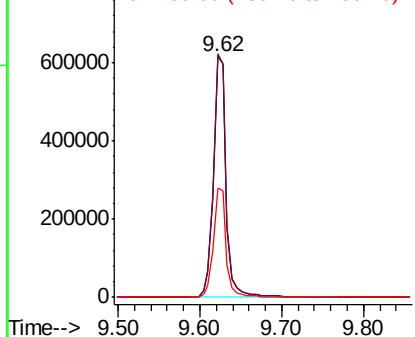
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF120373.D
Acq: 20 May 2020 16:52

Instrument :
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ZIPPER-DRAINS-SLUDGE-PIT

Tot Ion:164 Resp: 661246
Ion Ratio Lower Upper
164 100
162 101.0 81.2 121.8
160 45.4 35.8 53.6

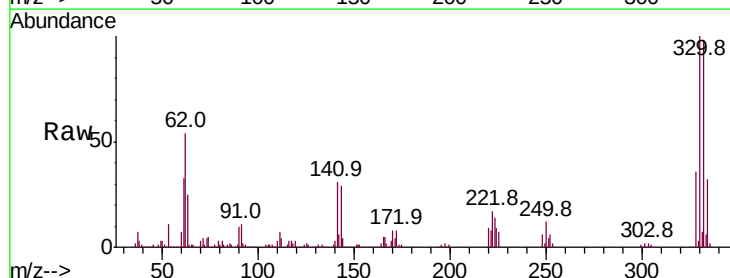


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

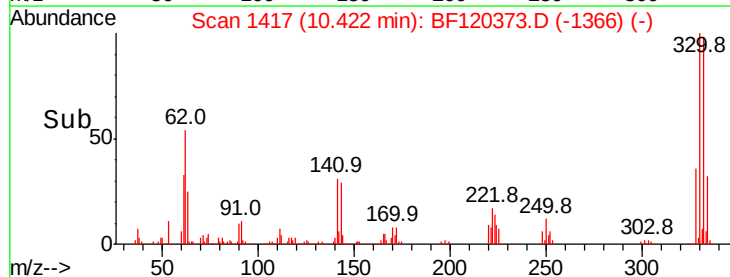
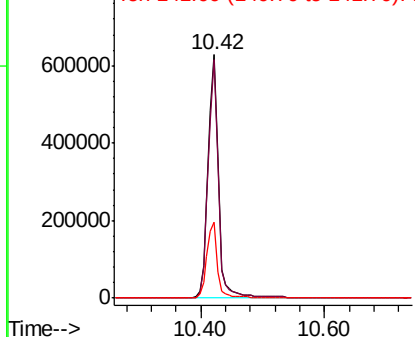


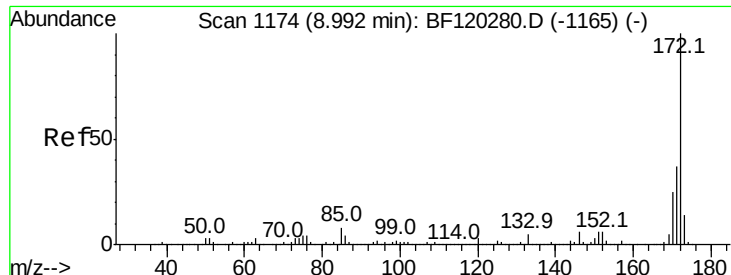
#42
2,4,6-Tribromophenol
Concen: 136.975 ng
RT: 10.42 min Scan# 1417
Delta R.T. 0.00 min
Lab File: BF120373.D
Acq: 20 May 2020 16:52

Tgt Ion:330 Resp: 738491
Ion Ratio Lower Upper
330 100
332 96.0 76.5 114.7
141 31.6 25.4 38.0



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



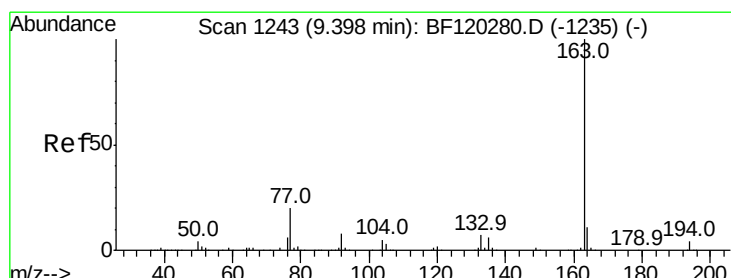
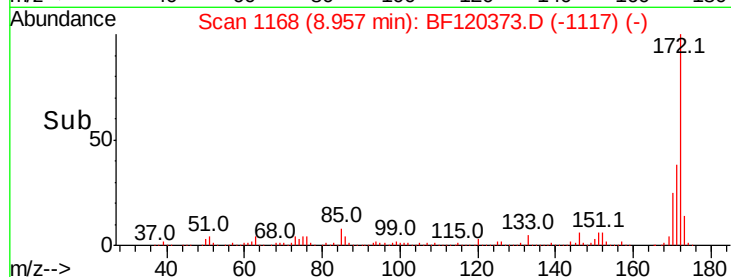
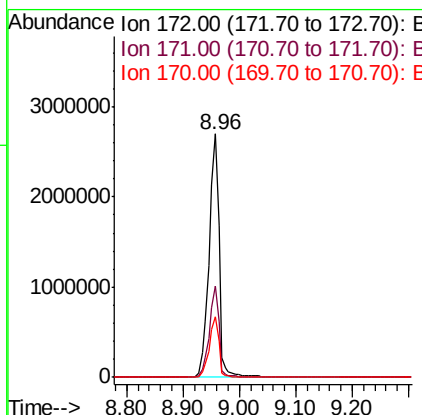
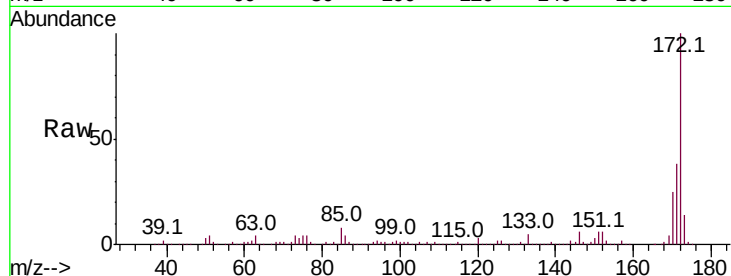


#45
 2-Fluorobiphenyl
 Concen: 103.173 ng
 RT: 8.96 min Scan# 1168
 Delta R.T. 0.00 min
 Lab File: BF120373.D
 Acq: 20 May 2020 16:52

Instrument :
 BNA_M
 ClientSampleId :
 ZIPPER-DRAINS-SLUDGE-PIT

Tot Ion:172 Resp: 3320709

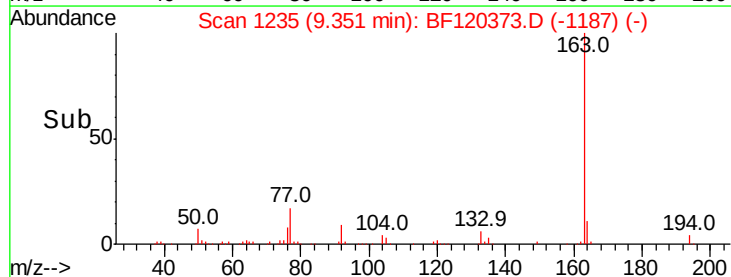
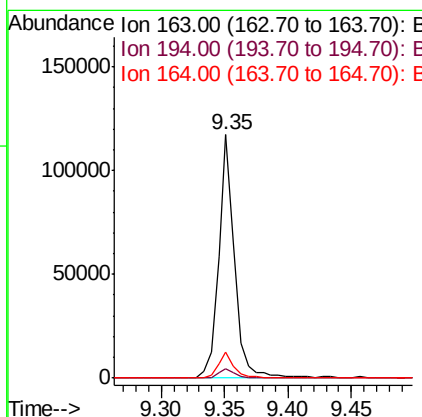
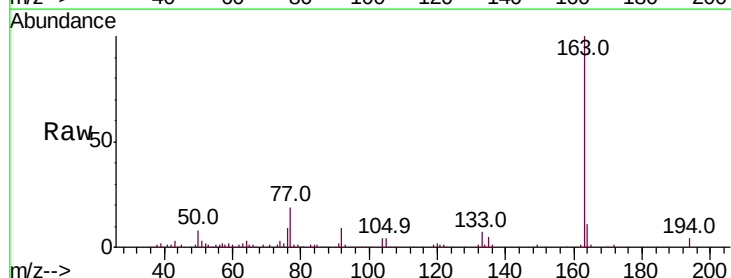
Ion	Ratio	Lower	Upper
172	100		
171	37.7	29.7	44.5
170	25.0	19.9	29.9

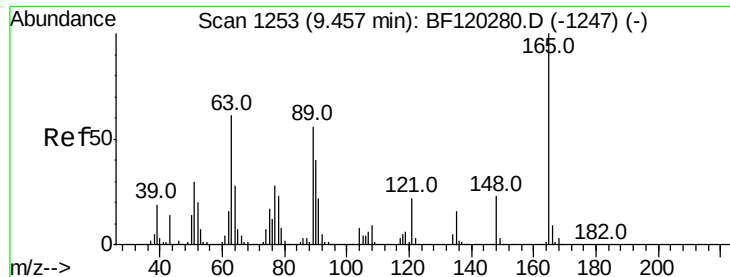


#50
 Dimethylphthalate
 Concen: 2.474 ng
 RT: 9.35 min Scan# 1235
 Delta R.T. -0.02 min
 Lab File: BF120373.D
 Acq: 20 May 2020 16:52

Tgt Ion:163 Resp: 103418

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.1	4.7
164	10.5	8.6	12.8





#51

2,6-Dinitrotoluene

Concen: 8.947 ng

RT: 9.62 min Scan# 1281

Delta R.T. 0.19 min

Lab File: BF120373.D

Acq: 20 May 2020 16:52

Instrument :

BNA_M

ClientSampleId :

ZIPPER-DRAINS-SLUDGE-PIT

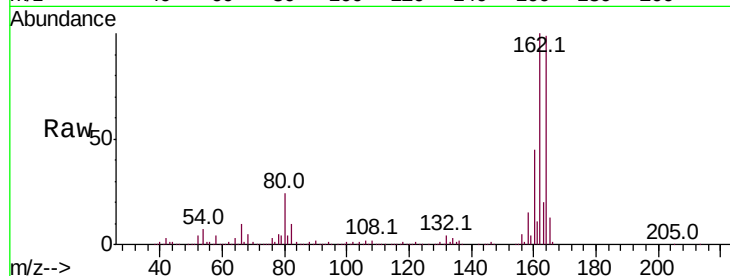
Tot Ion:165 Resp: 83472

Ion Ratio Lower Upper

165 100

63 1.4 50.2 75.2#

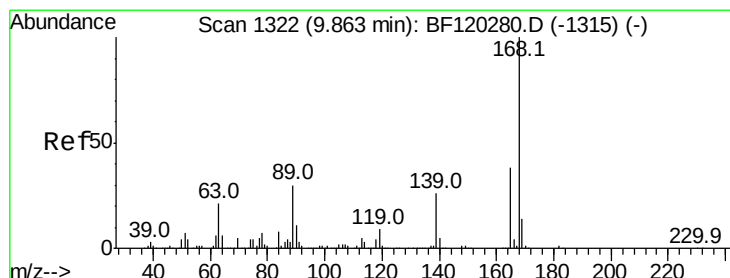
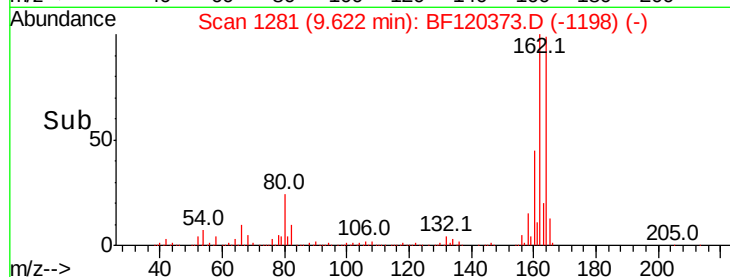
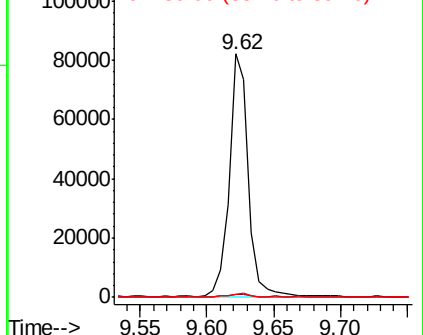
89 1.3 44.6 66.8#



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



#57

2,4-Dinitrotoluene

Concen: 7.639 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.21 min

Lab File: BF120373.D

Acq: 20 May 2020 16:52

Tgt Ion:165 Resp: 83601

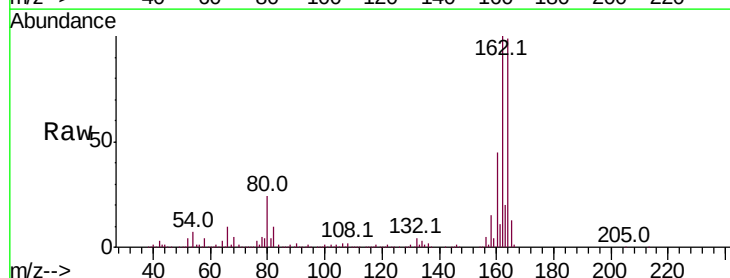
Ion Ratio Lower Upper

165 100

63 1.4 51.8 77.8#

89 1.3 64.2 96.4#

182 0.0 2.0 3.0#

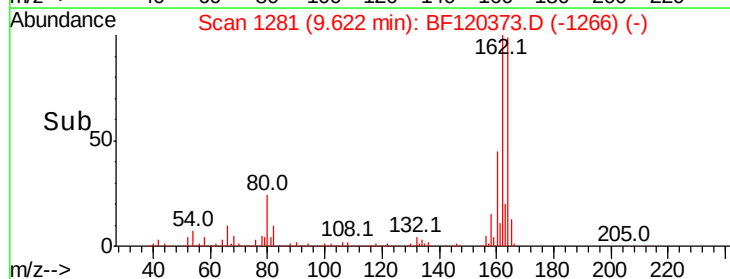
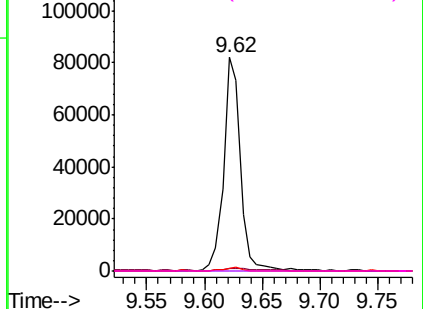


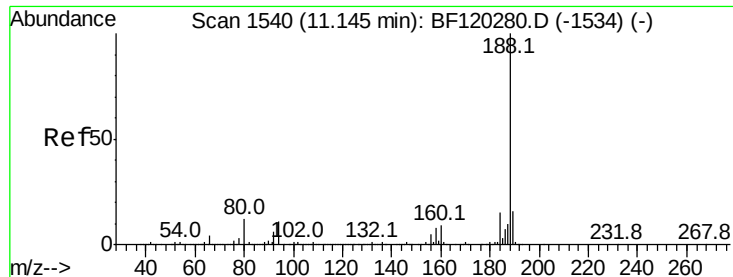
Abundance Ion 165.00 (164.70 to 165.70): E

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

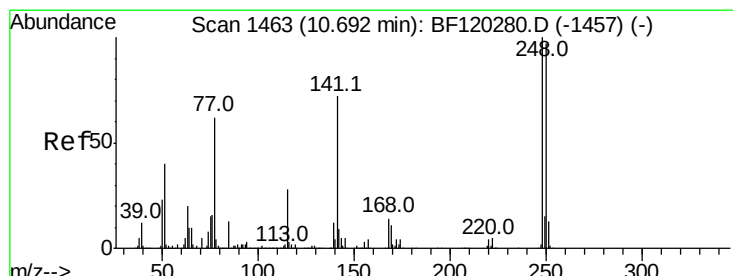
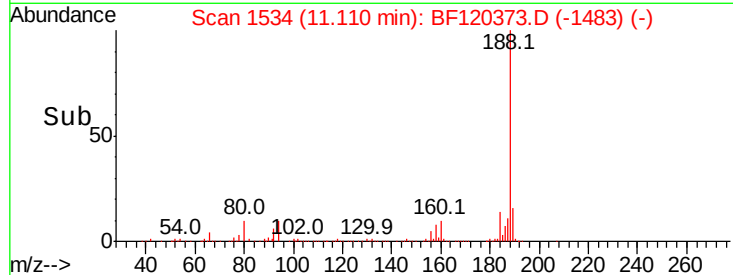
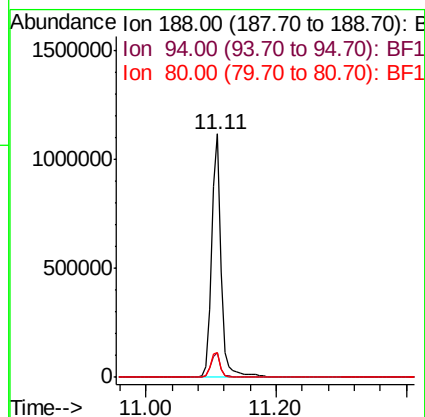
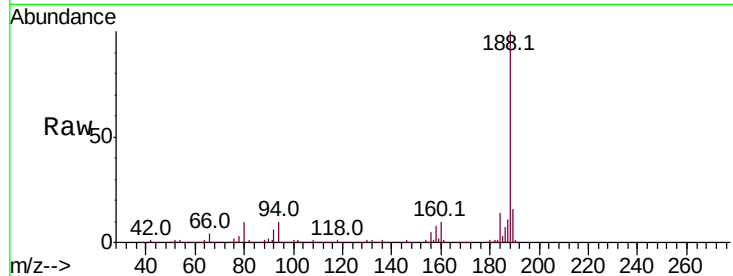




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.11 min Scan# 1534
Delta R.T. 0.00 min
Lab File: BF120373.D
Acq: 20 May 2020 16:52

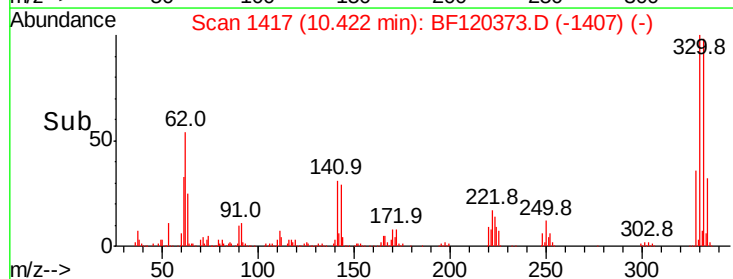
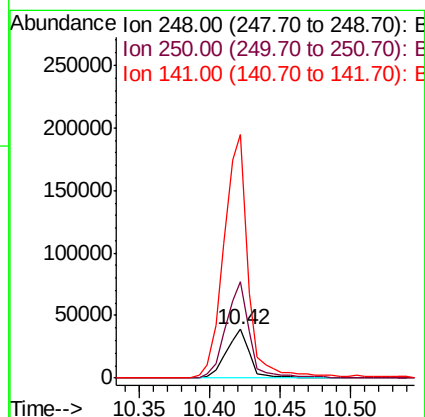
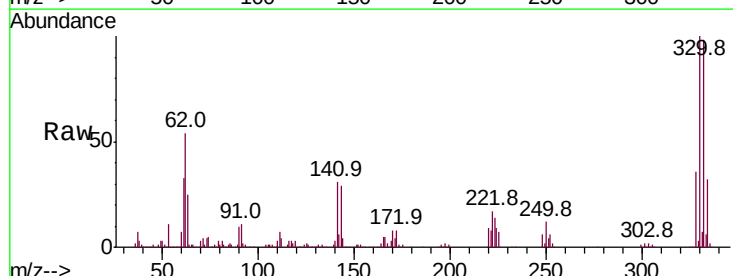
Instrument :
BNA_M
ClientSampleId :
ZIPPER-DRAINS-SLUDGE-PIT

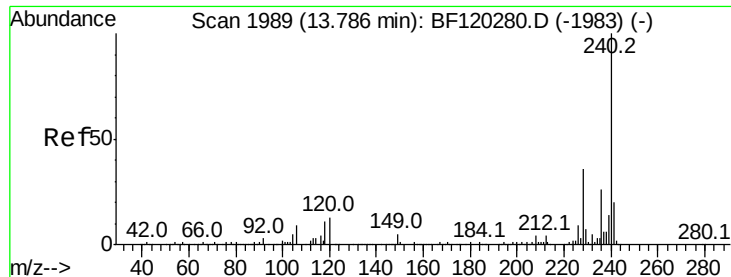
Tot Ion:188 Resp: 1120294
Ion Ratio Lower Upper
188 100
94 10.1 8.6 13.0
80 10.3 9.2 13.8



#67
4-Bromophenyl-phenylether
Concen: 4.139 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.24 min
Lab File: BF120373.D
Acq: 20 May 2020 16:52

Tgt Ion:248 Resp: 44991
Ion Ratio Lower Upper
248 100
250 196.8 77.8 116.6#
141 497.8 57.7 86.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.74 min Scan# 1982

Delta R.T. -0.01 min

Lab File: BF120373.D

Acq: 20 May 2020 16:52

Instrument :

BNA_M

ClientSampleId :

ZIPPER-DRAINS-SLUDGE-PIT

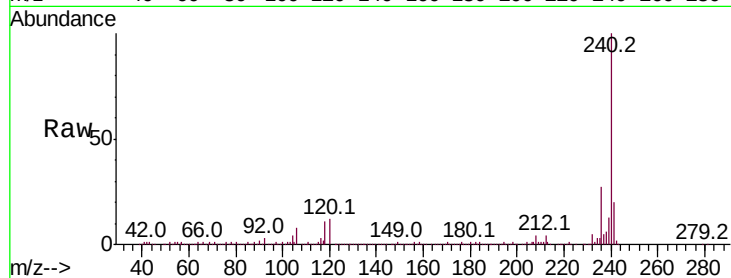
Tot Ion:240 Resp: 740264

Ion Ratio Lower Upper

240 100

120 12.4 10.4 15.6

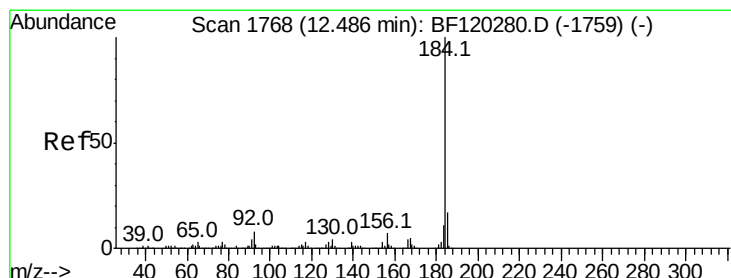
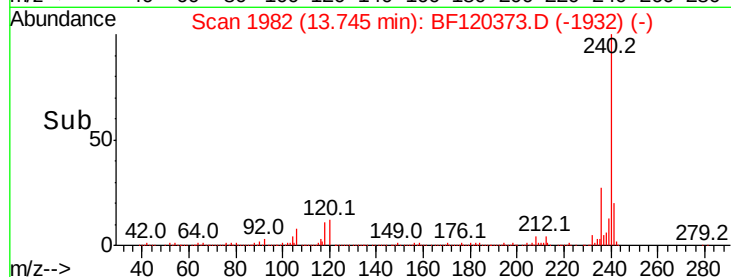
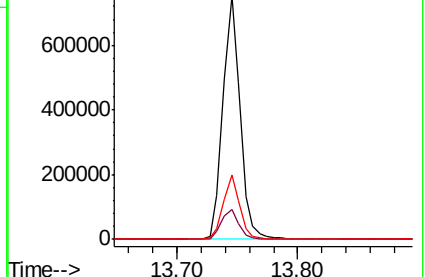
236 26.5 21.0 31.6



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: 3.344 ng

RT: 12.30 min Scan# 1737

Delta R.T. -0.15 min

Lab File: BF120373.D

Acq: 20 May 2020 16:52

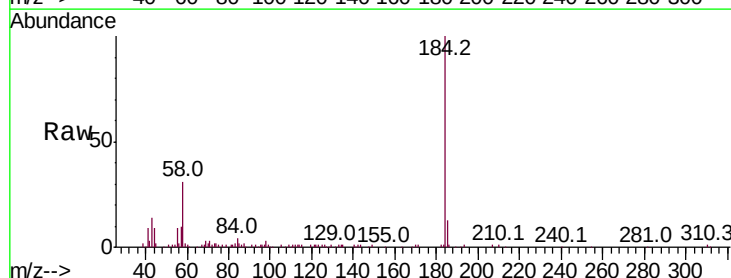
Tgt Ion:184 Resp: 72288

Ion Ratio Lower Upper

184 100

185 12.7 13.7 20.5#

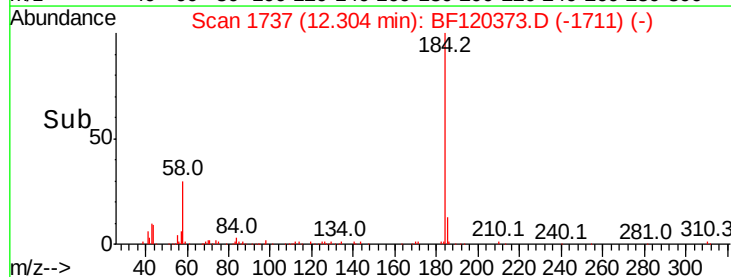
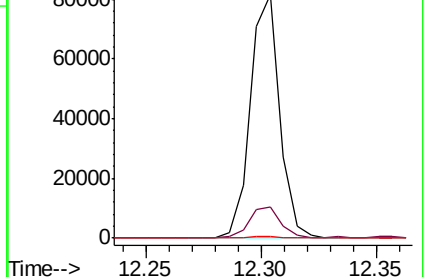
183 0.9 8.7 13.1#

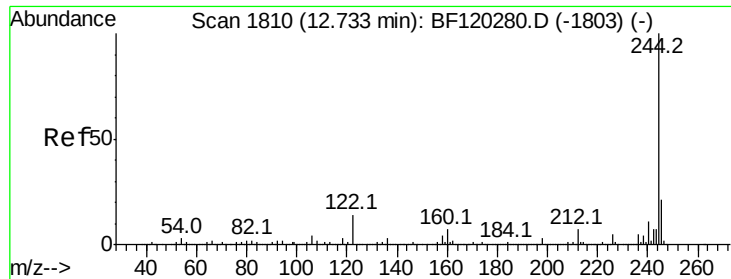


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 92.224 ng

RT: 12.70 min Scan# 1805

Delta R.T. 0.01 min

Lab File: BF120373.D

Acq: 20 May 2020 16:52

Instrument :

BNA_M

ClientSampleId :

ZIPPER-DRAINS-SLUDGE-PIT

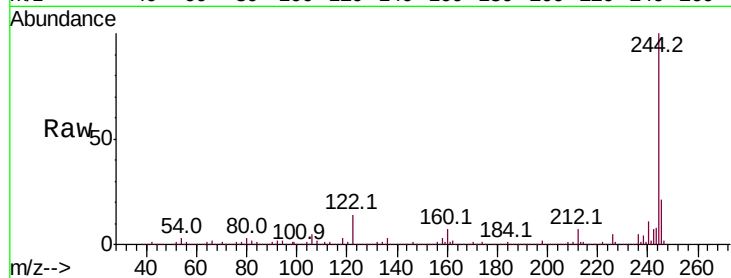
Tot Ion:244 Resp: 3090239

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

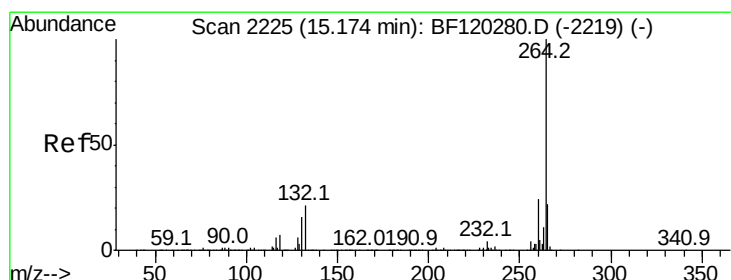
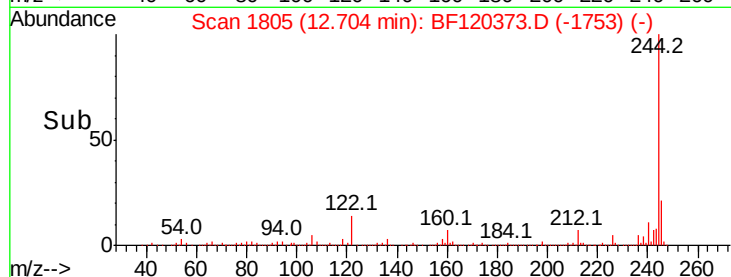
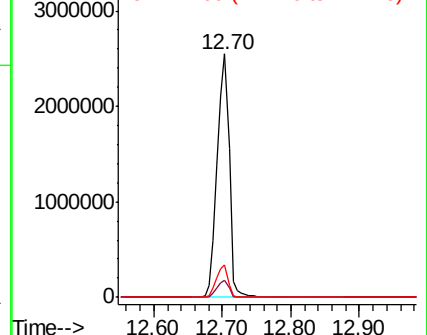
122 13.6 10.8 16.2



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: 15.13 min Scan# 2217

Delta R.T. 0.00 min

Lab File: BF120373.D

Acq: 20 May 2020 16:52

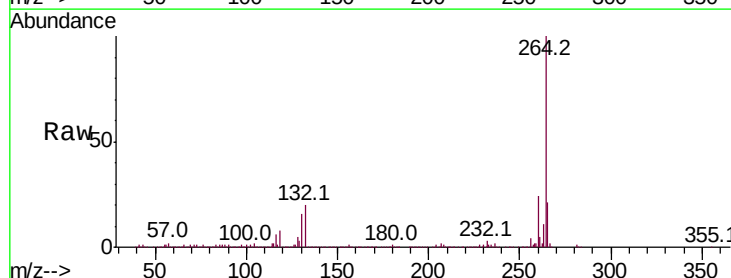
Tgt Ion:264 Resp: 568136

Ion Ratio Lower Upper

264 100

260 24.4 19.0 28.6

265 21.2 17.5 26.3



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

