

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041320\
 Data File : BF119980.D
 Acq On : 15 Apr 2020 4:03
 Operator : MA/SJ
 Sample : L2197-02 10X
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FUEL-LANE-SEDIMENT-PIT

Quant Time: Apr 15 04:39:10 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 14 12:44:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	199875	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	761836	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	378861	20.00	ng	0.00
64) Phenanthrene-d10	11.26	188	678597	20.00	ng	0.00
76) Chrysene-d12	13.90	240	400166	20.00	ng	-0.01
87) Perylene-d12	15.33	264	359782	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	179612	15.53	ng	0.00
7) Phenol-d6	6.37	99	210189	14.10	ng	0.00
23) Nitrobenzene-d5	7.30	82	147618	10.02	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	60369	13.01	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	304011	11.39	ng	0.00
79) Terphenyl-d14	12.85	244	267036	11.23	ng	0.00

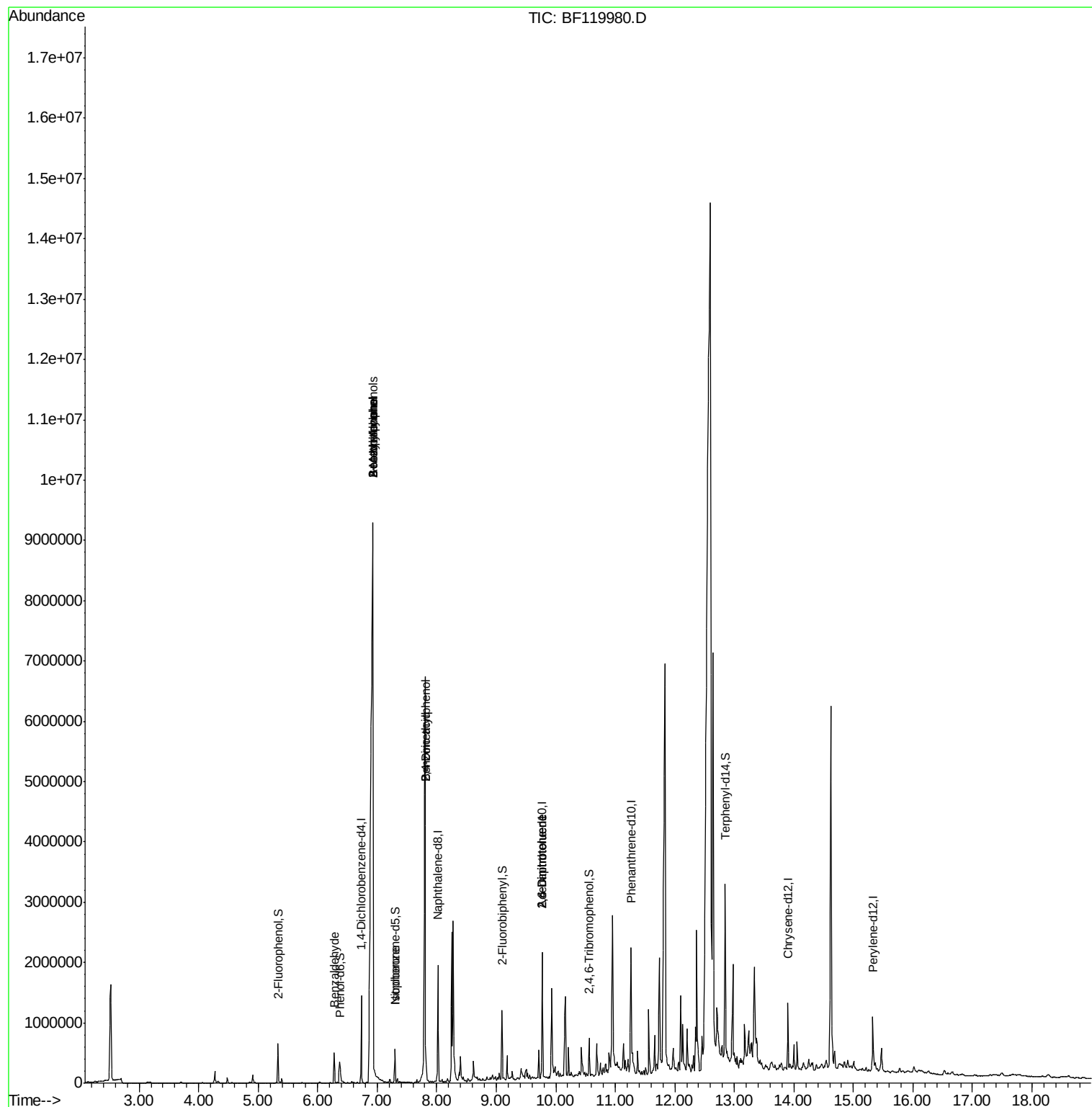
Target Compounds				Qvalue		
9) Benzaldehyde	6.28	77	87564	5.570	ng	97
15) Benzyl Alcohol	6.93	79	5435785	469.611	ng	99
17) 2-Methylphenol	6.93	107	2994273	259.642	ng	# 15
20) 3+4-Methylphenols	6.93	107	2950400	209.183	ng	# 38
22) Acetophenone	6.93	105	191416	10.730	ng	# 1
25) Isophorone	7.30	82	147454	5.194	ng	# 65
27) 2,4-Dimethylphenol	7.82	122	299563	26.837	ng	# 6
32) Benzoic acid	7.82	122	299563	30.558	ng	98
51) 2,6-Dinitrotoluene	9.77	165	51259	7.988	ng	# 20
57) 2,4-Dinitrotoluene	9.77	165	51259	6.063	ng	# 23

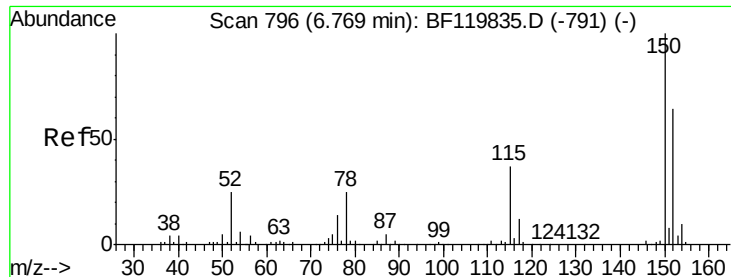
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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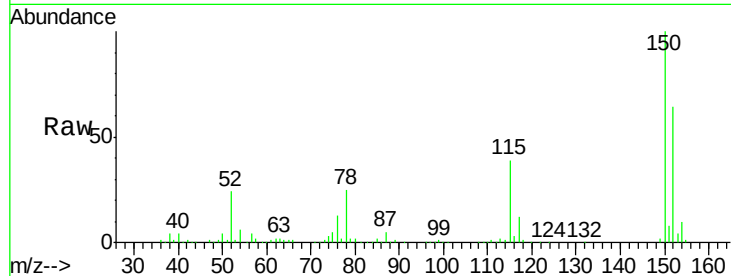


#1

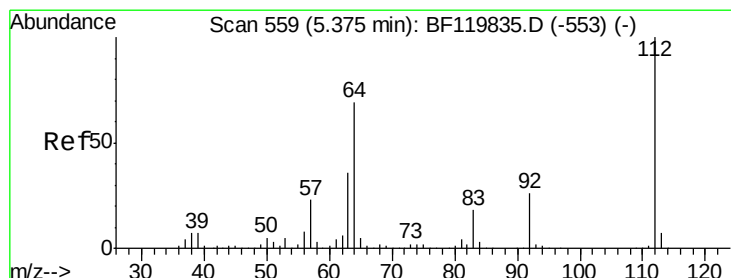
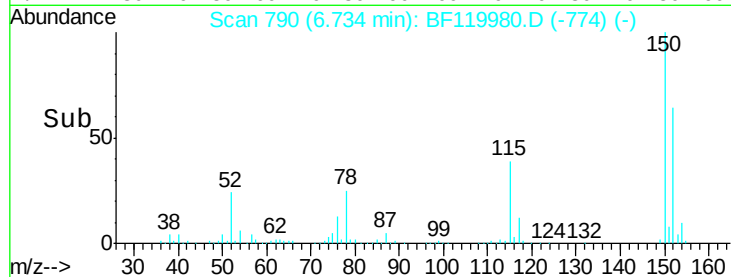
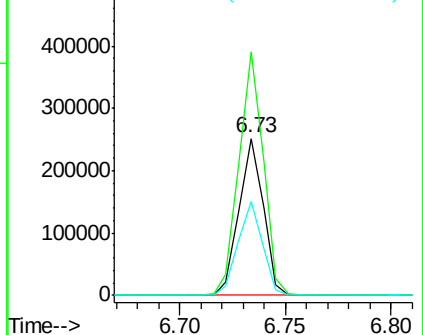
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF119980.D
Acq: 15 Apr 2020 4:03

Instrument :
BNA_F
ClientSampleId :
FUEL-LANE-SEDIMENT-PIT

Tot Ion:152 Resp: 199875
Ion Ratio Lower Upper
152 100
150 155.1 124.8 187.2
115 59.8 46.5 69.7



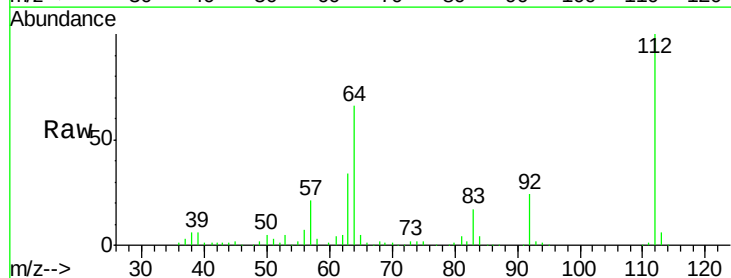
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



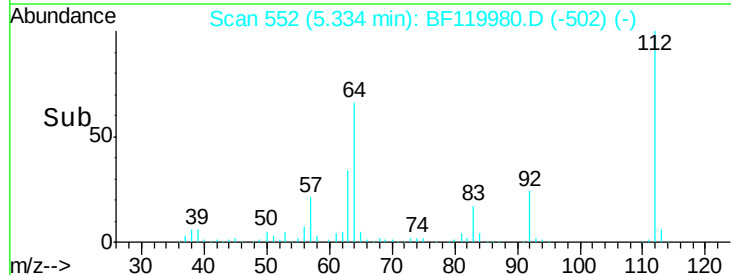
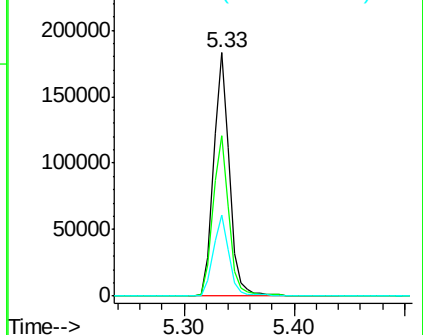
#5

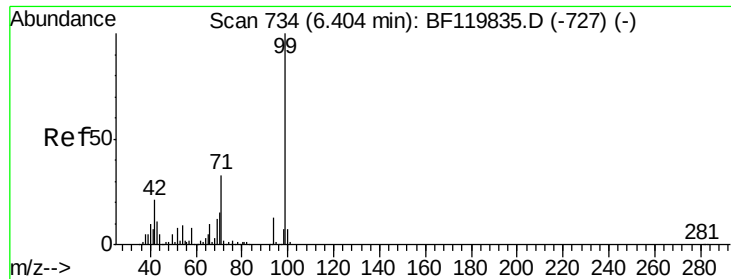
2-Fluorophenol
Concen: 15.530 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF119980.D
Acq: 15 Apr 2020 4:03

Tgt Ion:112 Resp: 179612
Ion Ratio Lower Upper
112 100
64 65.8 55.5 83.3
63 33.5 29.1 43.7



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: 14.104 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF119980.D

Acq: 15 Apr 2020 4:03

Instrument :

BNA_F

ClientSampleId :

FUEL-LANE-SEDIMENT-PIT

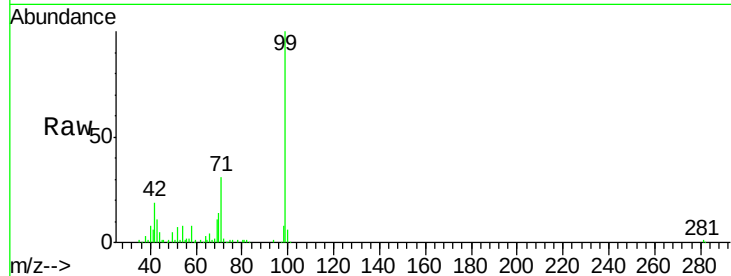
Tot Ion: 99 Resp: 210189

Ion Ratio Lower Upper

99 100

42 19.1 16.9 25.3

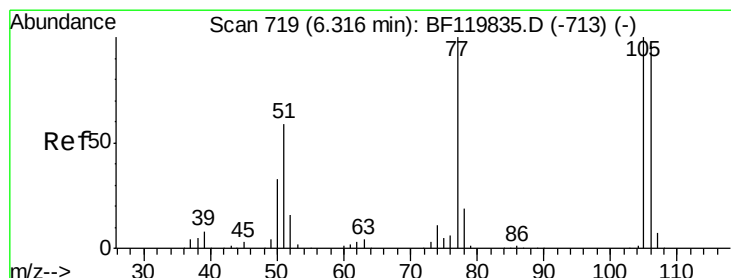
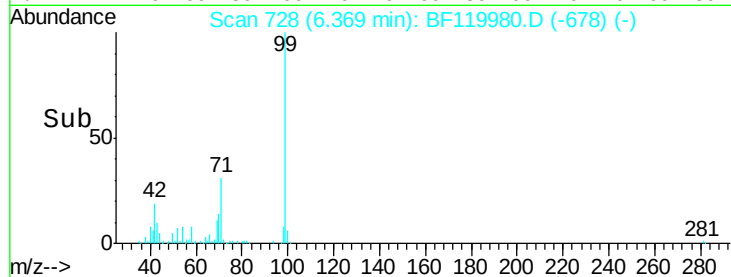
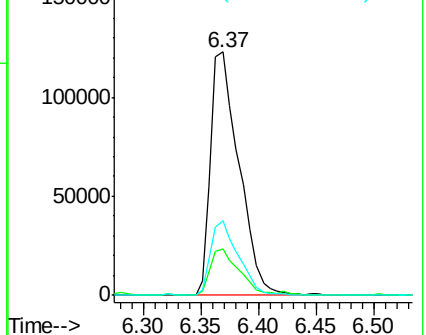
71 30.6 26.3 39.5



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



#9

Benzaldehyde

Concen: 5.570 ng

RT: 6.28 min Scan# 713

Delta R.T. -0.01 min

Lab File: BF119980.D

Acq: 15 Apr 2020 4:03

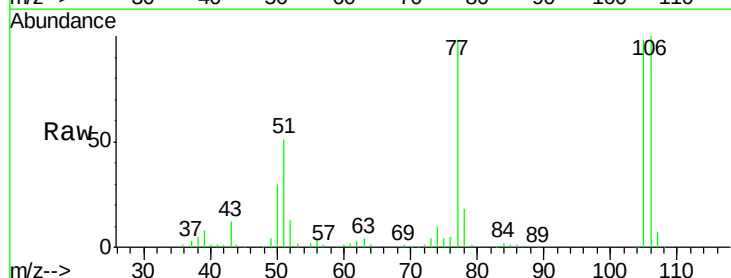
Tgt Ion: 77 Resp: 87564

Ion Ratio Lower Upper

77 100

105 100.5 79.9 119.9

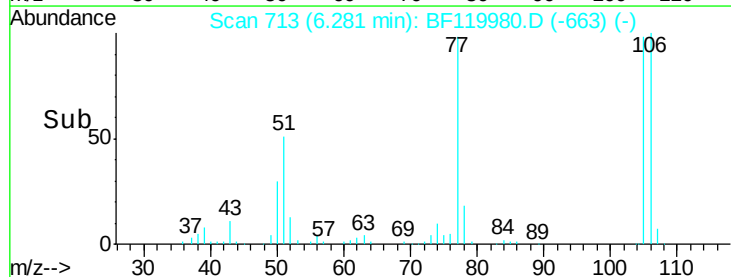
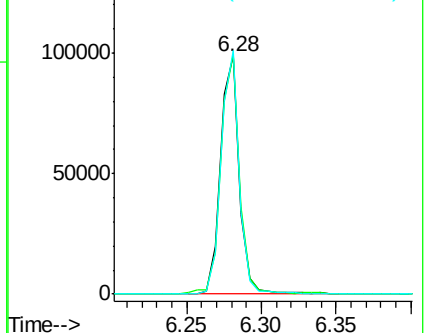
106 102.3 76.4 116.4

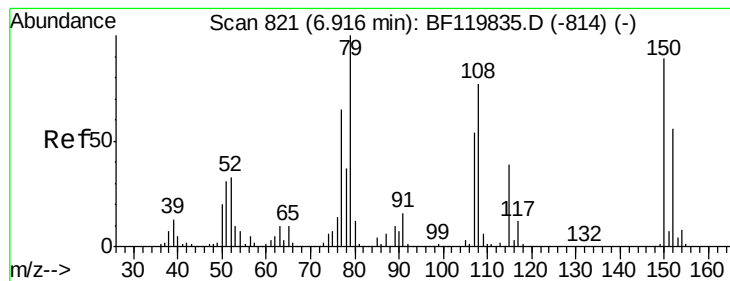


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#15

Benzyl Alcohol

Concen: 469.611 ng

RT: 6.93 min Scan# 823

Delta R.T. 0.04 min

Lab File: BF119980.D

Acq: 15 Apr 2020 4:03

Instrument :

BNA_F

ClientSampleId :

FUEL-LANE-SEDIMENT-PIT

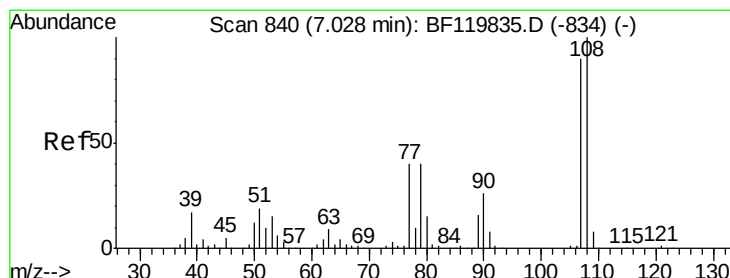
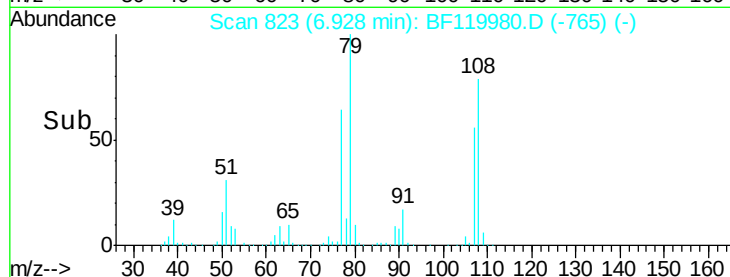
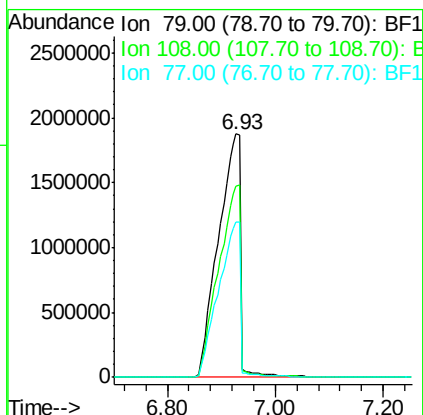
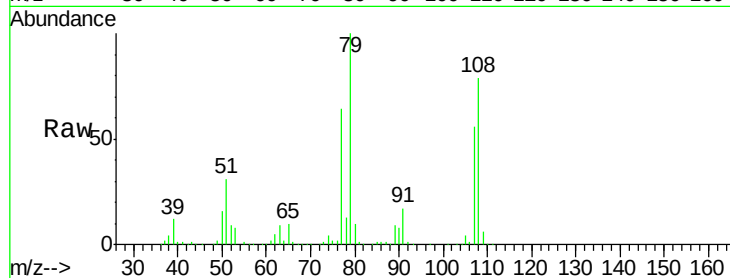
Tot Ion: 79 Resp: 5435785

Ion Ratio Lower Upper

79 100

108 78.6 62.0 93.0

77 63.9 51.8 77.6



#17

2-Methylphenol

Concen: 259.642 ng

RT: 6.93 min Scan# 824

Delta R.T. -0.06 min

Lab File: BF119980.D

Acq: 15 Apr 2020 4:03

Tgt Ion: 107 Resp: 2994273

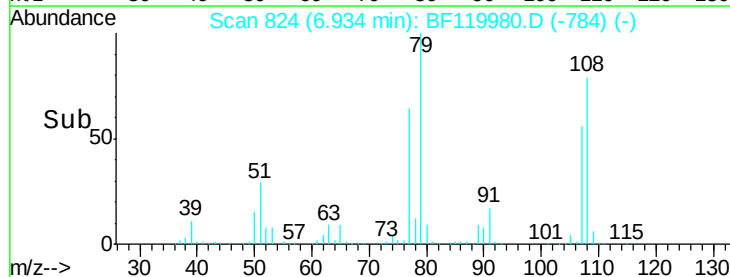
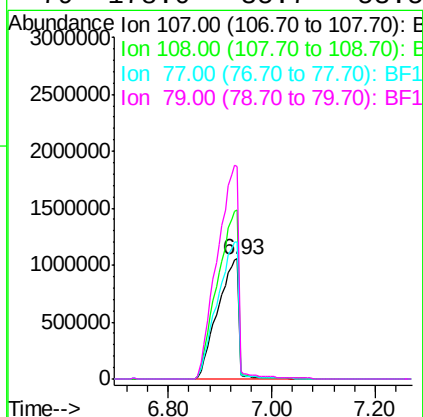
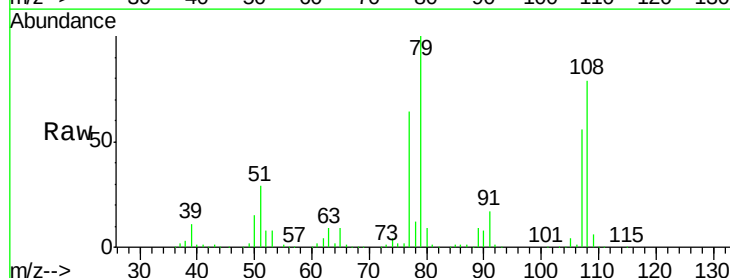
Ion Ratio Lower Upper

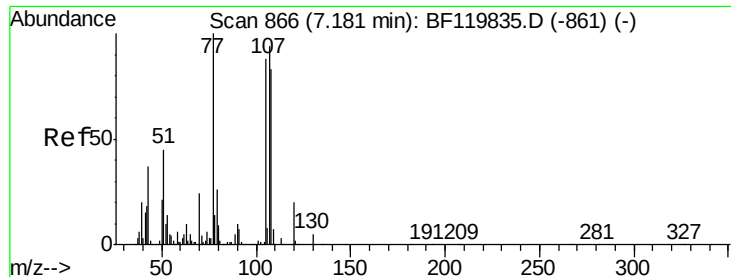
107 100

108 141.2 88.8 133.2#

77 113.9 36.0 54.0#

79 178.0 35.7 53.5#

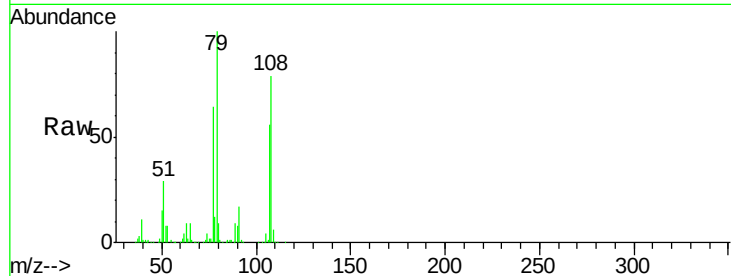




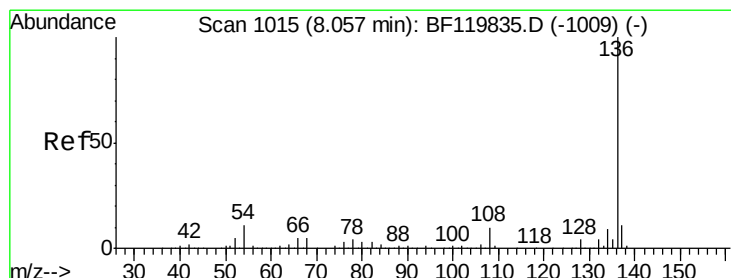
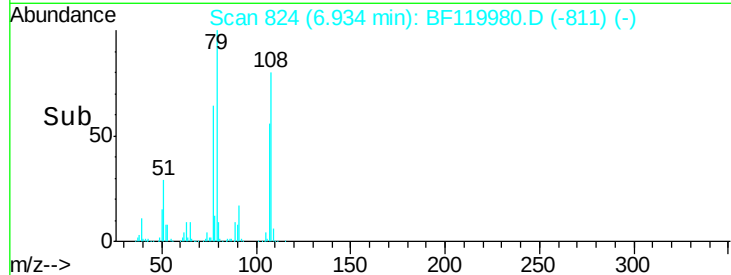
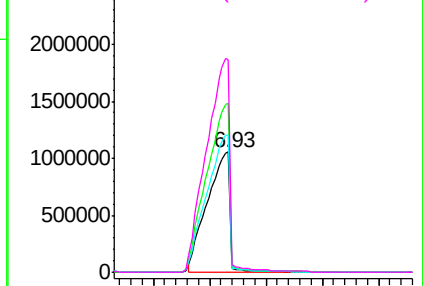
#20
3+4-Methylphenols
Concen: 209.183 ng
RT: 6.93 min Scan# 824
Delta R.T. -0.22 min
Lab File: BF119980.D
Acq: 15 Apr 2020 4:03

Instrument :
BNA_F
ClientSampleId :
FUEL-LANE-SEDIMENT-PIT

Tot Ion:107 Resp: 2950400
Ion Ratio Lower Upper
107 100
108 141.2 68.2 108.2#
77 113.9 86.6 126.6
79 178.0 7.7 47.7#

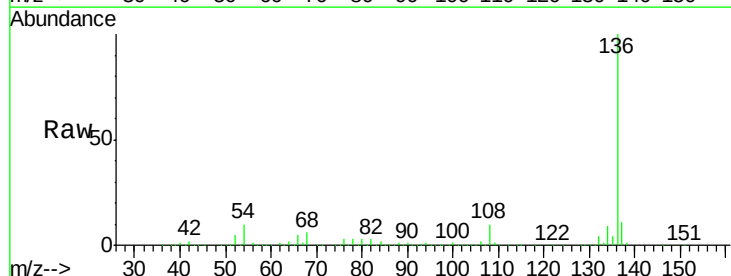


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

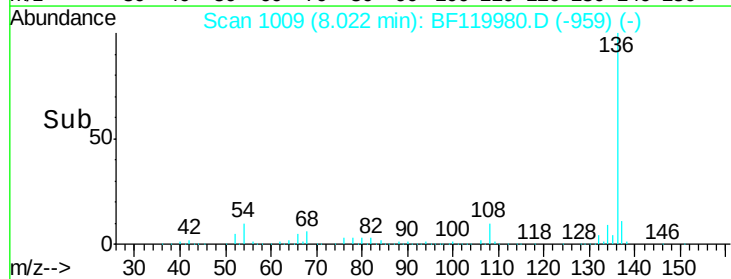
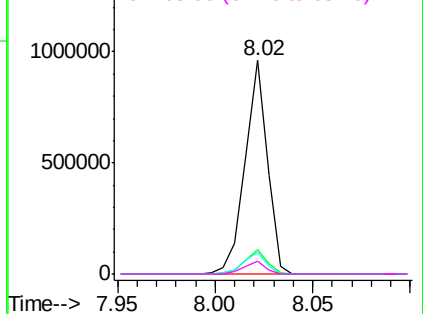


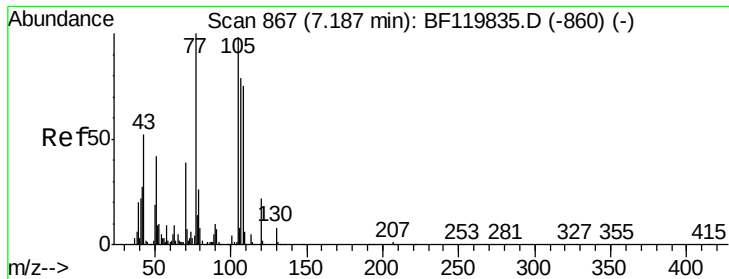
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF119980.D
Acq: 15 Apr 2020 4:03

Tgt Ion:136 Resp: 761836
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 10.1 8.5 12.7
68 5.8 3.9 5.9



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

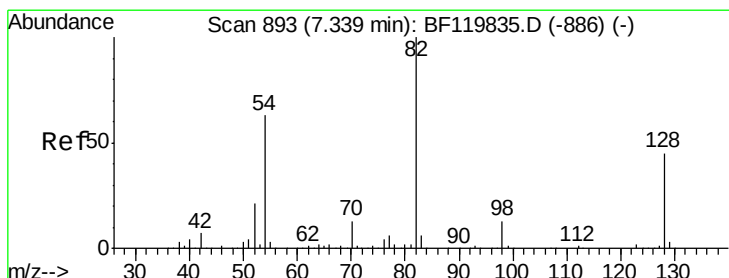
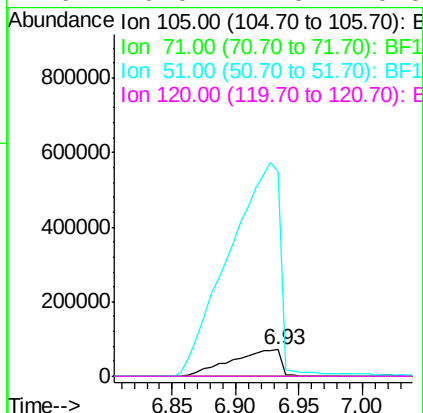
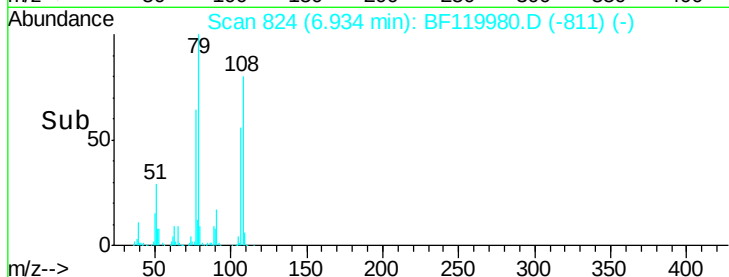
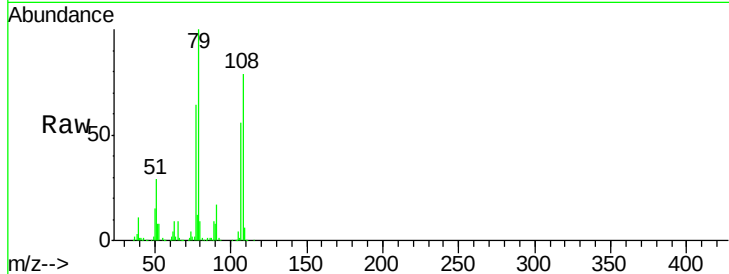




#22
Acetophenone
Concen: 10.730 ng
RT: 6.93 min Scan# 824
Delta R.T. -0.22 min
Lab File: BF119980.D
Acq: 15 Apr 2020 4:03

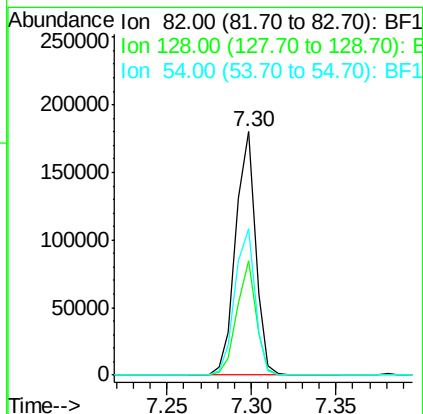
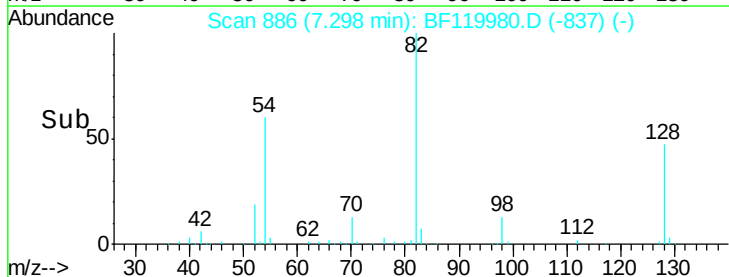
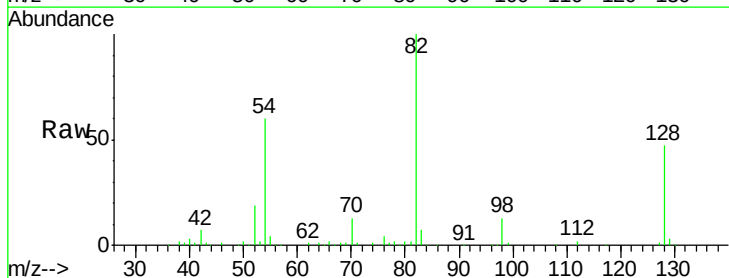
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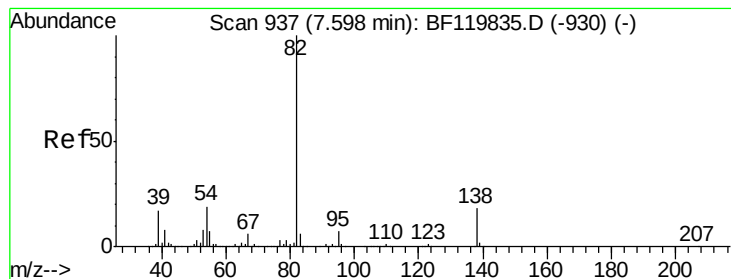
Tot Ion:105 Resp: 191416
Ion Ratio Lower Upper
105 100
71 0.0 5.6 8.4#
51 774.3 33.9 50.9#
120 0.0 17.8 26.8#



#23
Nitrobenzene-d5
Concen: 10.024 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF119980.D
Acq: 15 Apr 2020 4:03

Tgt Ion: 82 Resp: 147618
Ion Ratio Lower Upper
82 100
128 47.2 36.2 54.4
54 60.0 50.4 75.6





#25

Isophorone

Concen: 5.194 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.27 min

Lab File: BF119980.D

Acq: 15 Apr 2020 4:03

Instrument :

BNA_F

ClientSampleId :

FUEL-LANE-SEDIMENT-PIT

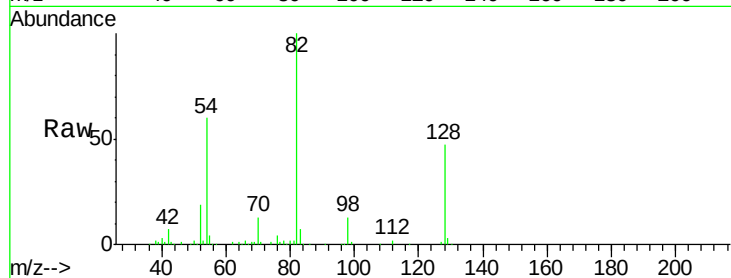
Tot Ion: 82 Resp: 147454

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

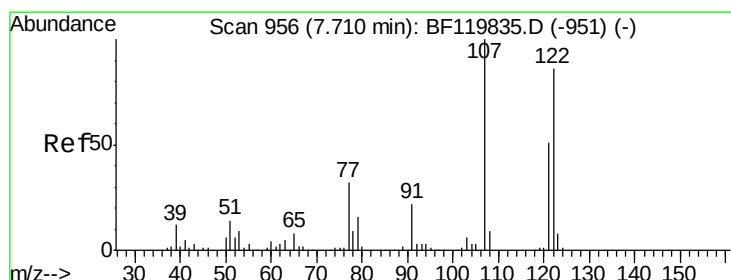
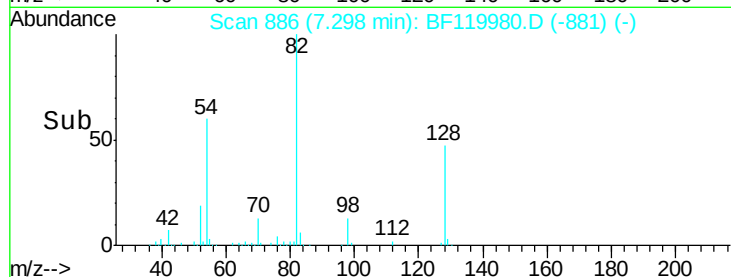
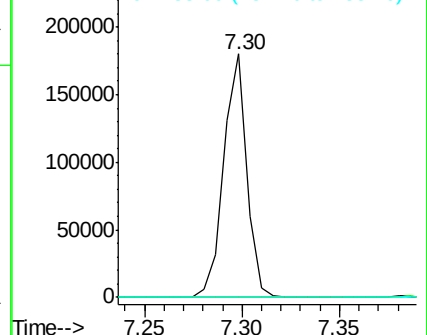
138 0.0 14.5 21.7#



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



#27

2,4-Dimethylphenol

Concen: 26.837 ng

RT: 7.82 min Scan# 974

Delta R.T. 0.14 min

Lab File: BF119980.D

Acq: 15 Apr 2020 4:03

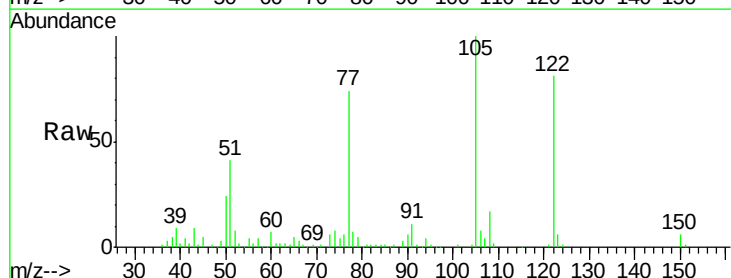
Tgt Ion:122 Resp: 299563

Ion Ratio Lower Upper

122 100

107 4.5 92.3 138.5#

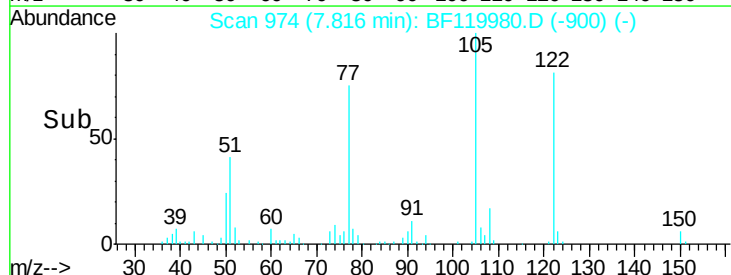
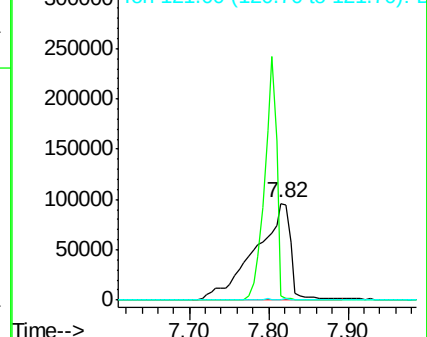
121 0.9 46.6 70.0#

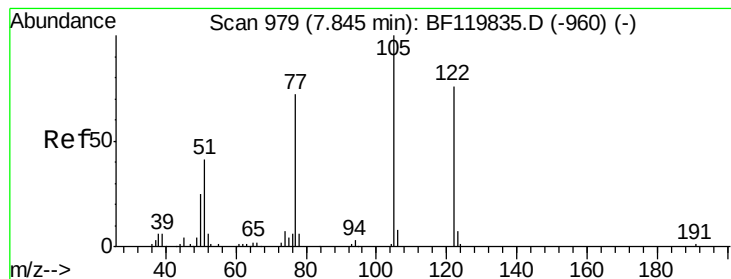


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E





#32

Benzoic acid

Concen: 30.558 ng

RT: 7.82 min Scan# 974

Delta R.T. 0.00 min

Lab File: BF119980.D

Acq: 15 Apr 2020 4:03

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FUEL-LANE-SEDIMENT-PIT

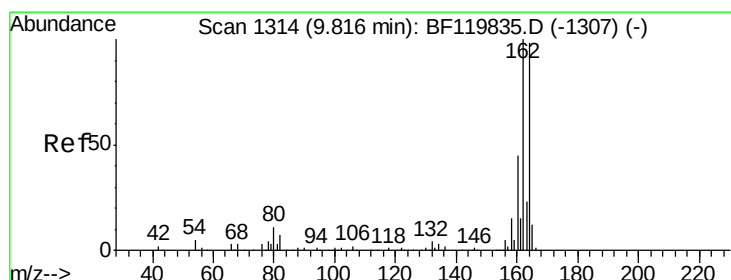
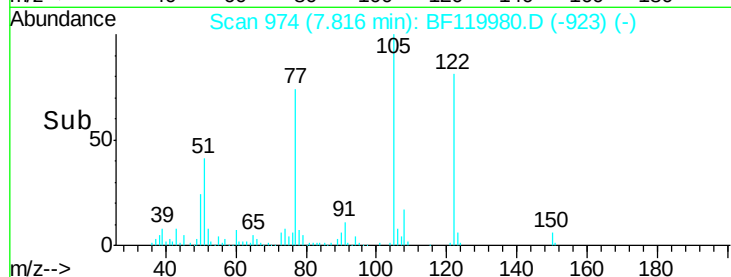
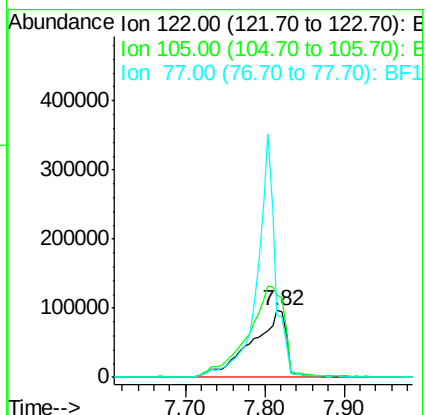
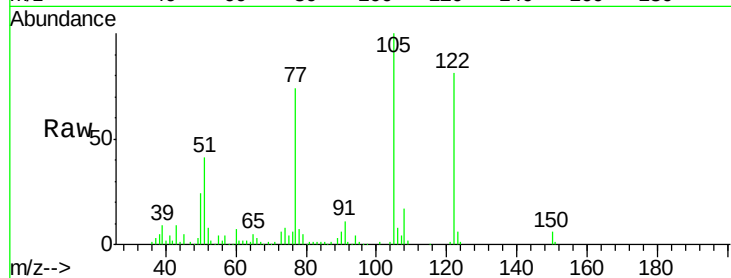
Tot Ion:122 Resp: 299563

Ion Ratio Lower Upper

122 100

105 123.7 106.7 146.7

77 92.0 72.1 112.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF119980.D

Acq: 15 Apr 2020 4:03

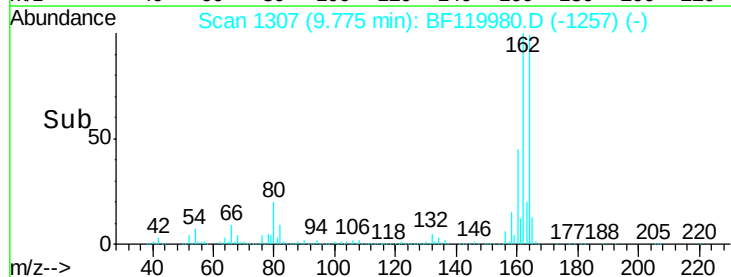
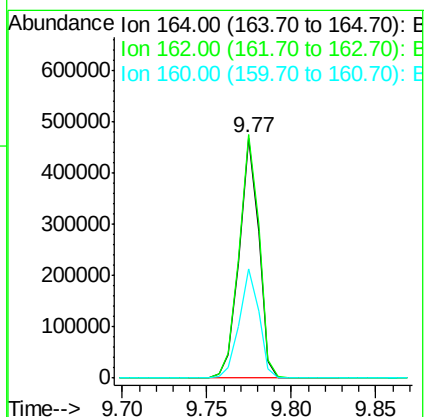
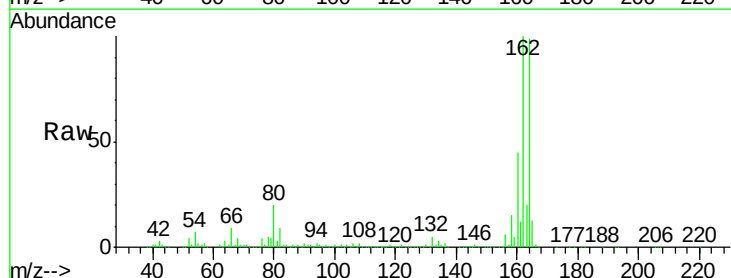
Tgt Ion:164 Resp: 378861

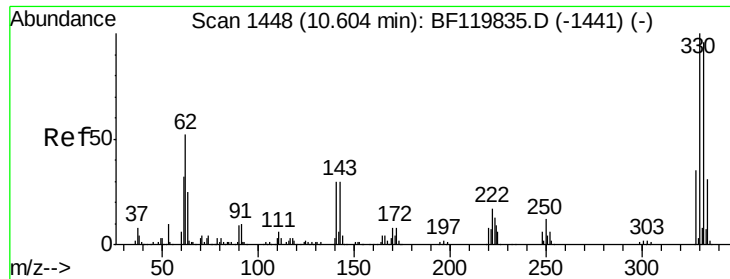
Ion Ratio Lower Upper

164 100

162 101.3 81.9 122.9

160 45.6 36.6 54.8

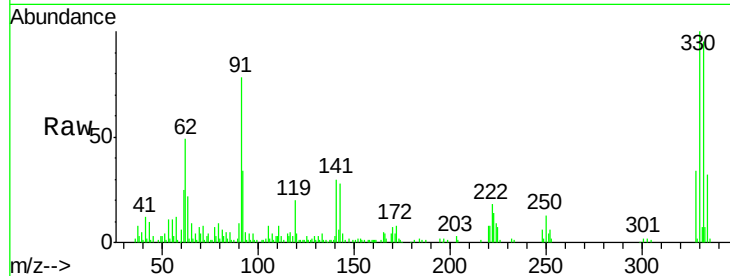




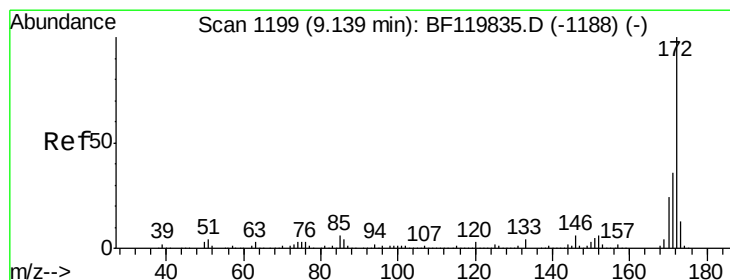
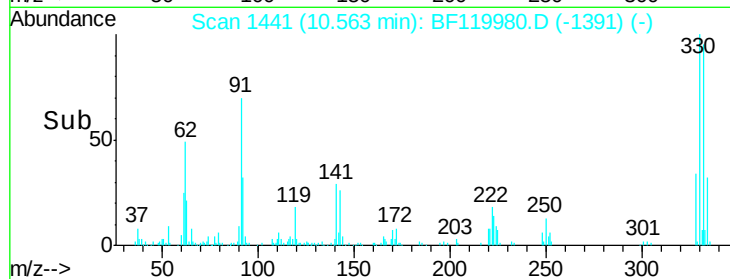
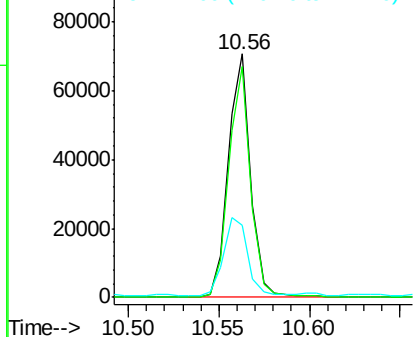
#42
 2,4,6-Tribromophenol
 Concen: 13.015 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF119980.D
 Acq: 15 Apr 2020 4:03

Instrument :
 BNA_F
 ClientSampleId :
 FUEL-LANE-SEDIMENT-PIT

Tot Ion:330 Resp: 60369
 Ion Ratio Lower Upper
 330 100
 332 93.4 76.8 115.2
 141 33.9 25.1 37.7

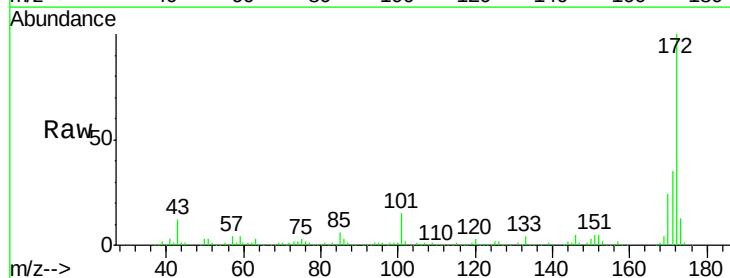


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

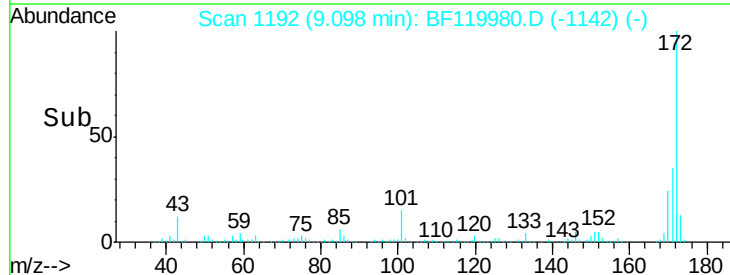
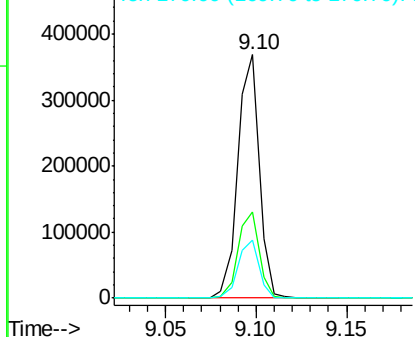


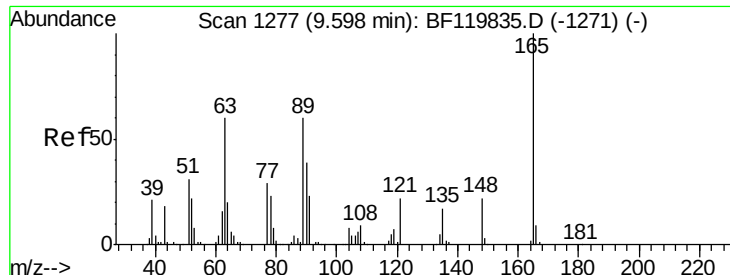
#45
 2-Fluorobiphenyl
 Concen: 11.393 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF119980.D
 Acq: 15 Apr 2020 4:03

Tgt Ion:172 Resp: 304011
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.9 43.3
 170 23.7 19.4 29.2



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





#51

2,6-Dinitrotoluene

Concen: 7.988 ng

RT: 9.77 min Scan# 1307

Delta R.T. 0.21 min

Lab File: BF119980.D

Acq: 15 Apr 2020 4:03

Instrument :

BNA_F

ClientSampleId :

FUEL-LANE-SEDIMENT-PIT

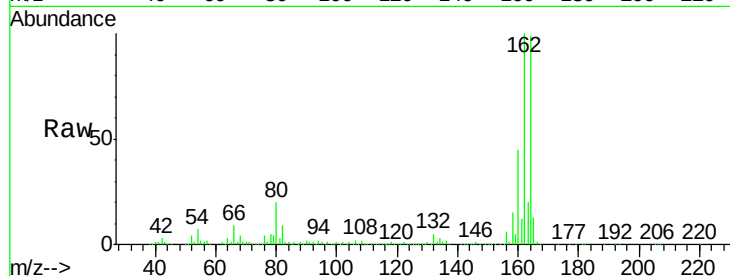
Tot Ion:165 Resp: 51259

Ion Ratio Lower Upper

165 100

63 1.8 55.6 83.4#

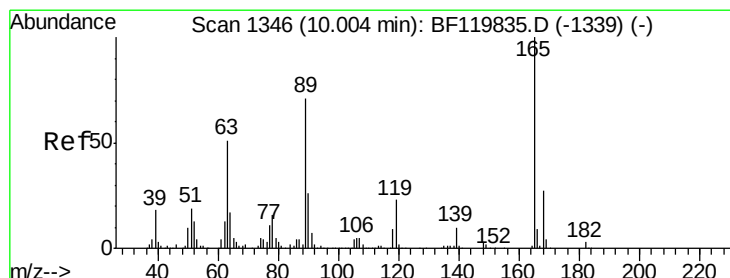
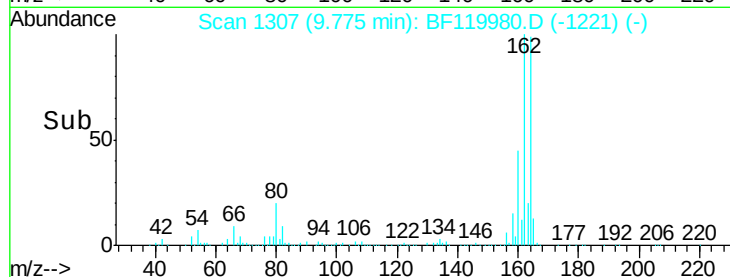
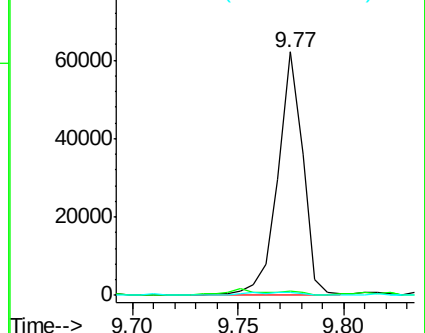
89 1.3 47.9 71.9#



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: 6.063 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.20 min

Lab File: BF119980.D

Acq: 15 Apr 2020 4:03

Tgt Ion:165 Resp: 51259

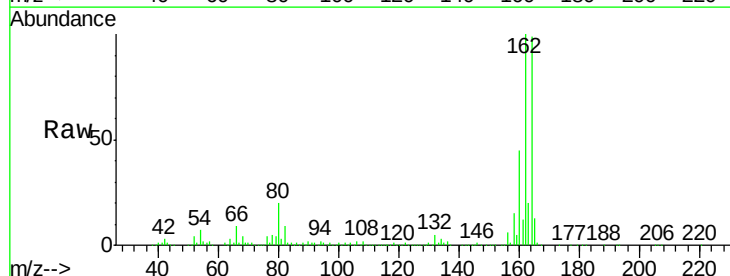
Ion Ratio Lower Upper

165 100

63 1.8 40.8 61.2#

89 1.3 56.9 85.3#

182 0.7 2.0 3.0#

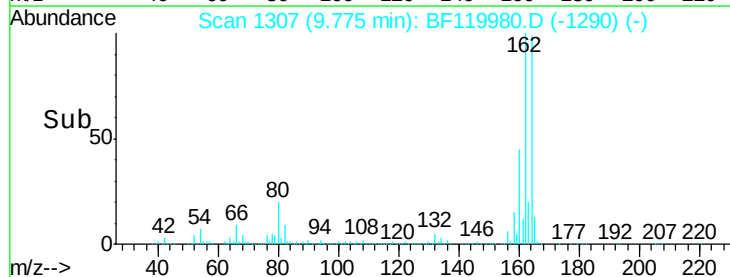
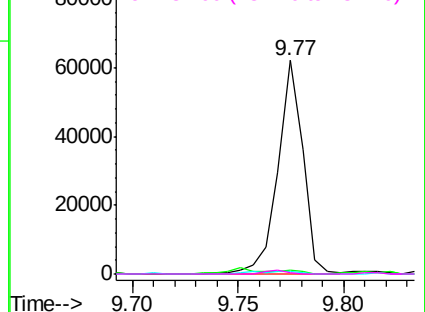


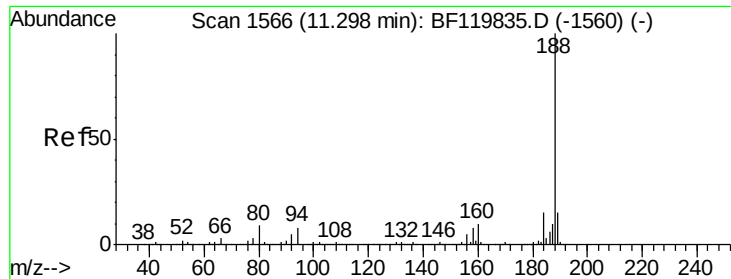
Abundance Ion 165.00 (164.70 to 165.70): E

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

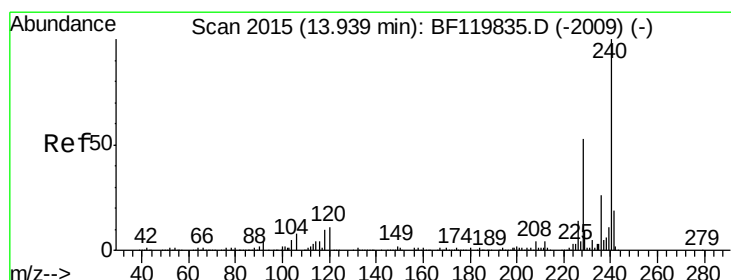
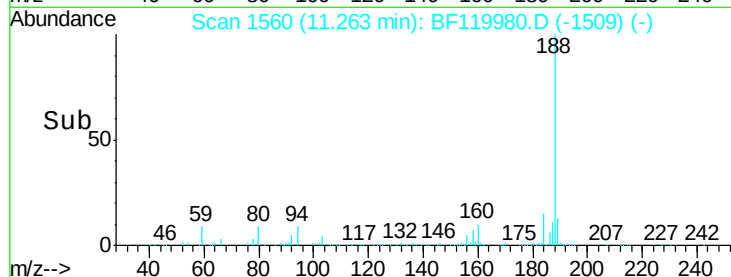
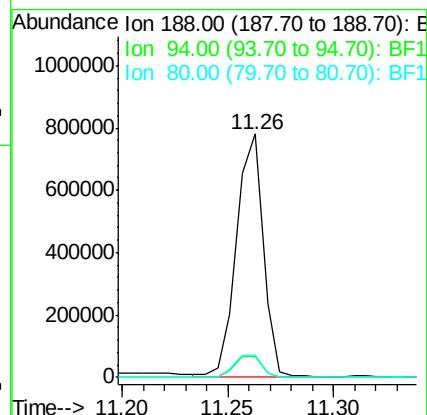
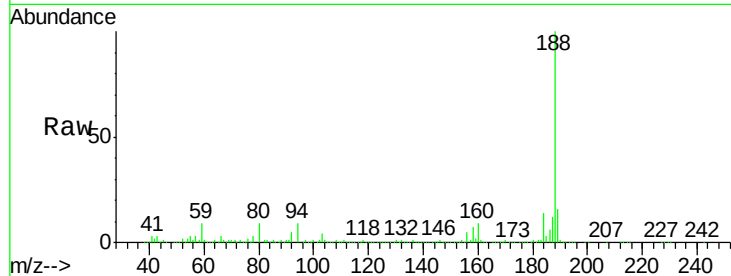




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF119980.D
Acq: 15 Apr 2020 4:03

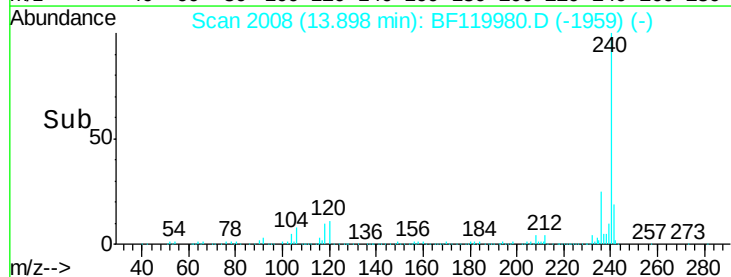
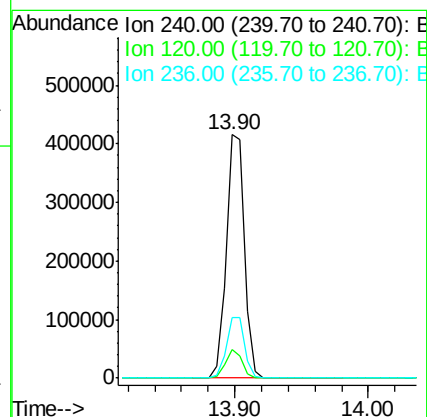
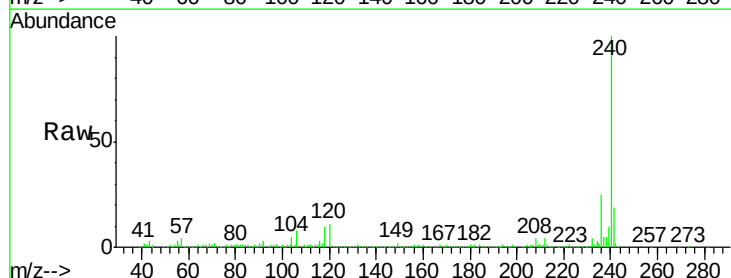
Instrument :
BNA_F
ClientSampleId :
FUEL-LANE-SEDIMENT-PIT

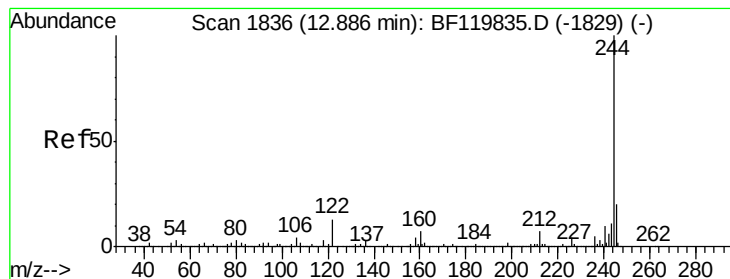
Tot Ion:188 Resp: 678597
Ion Ratio Lower Upper
188 100
94 8.6 6.7 10.1
80 9.0 7.4 11.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF119980.D
Acq: 15 Apr 2020 4:03

Tgt Ion:240 Resp: 400166
Ion Ratio Lower Upper
240 100
120 11.5 9.0 13.6
236 25.0 20.7 31.1





#79

Terphenyl-d14

Concen: 11.229 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF119980.D

Acq: 15 Apr 2020 4:03

Instrument :

BNA_F

ClientSampleId :

FUEL-LANE-SEDIMENT-PIT

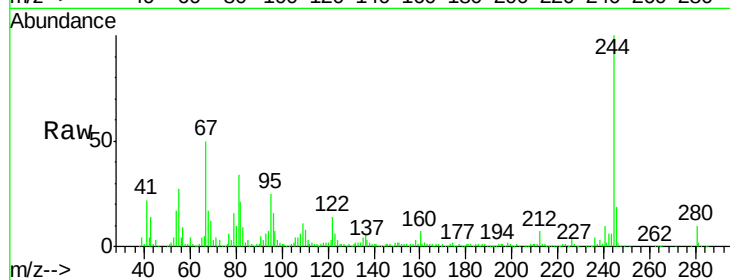
Tot Ion:244 Resp: 267036

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

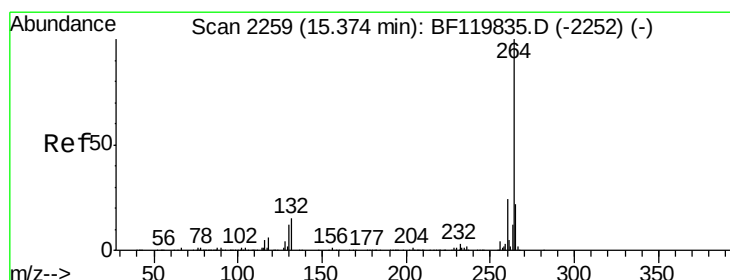
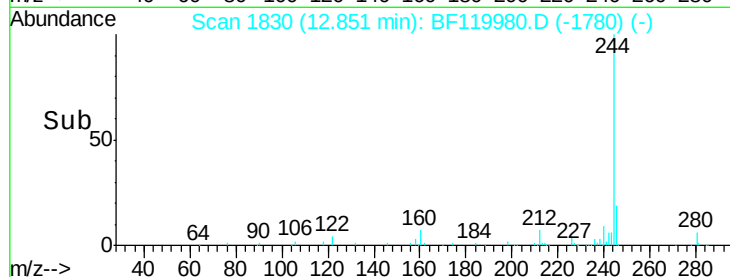
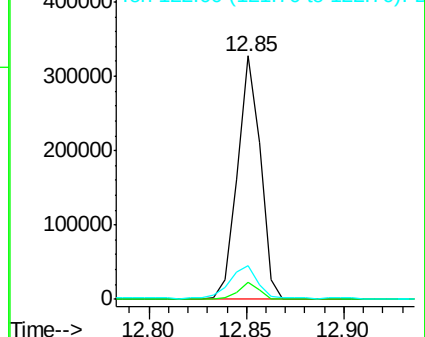
122 13.7 10.3 15.5



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: 15.33 min Scan# 2251

Delta R.T. -0.01 min

Lab File: BF119980.D

Acq: 15 Apr 2020 4:03

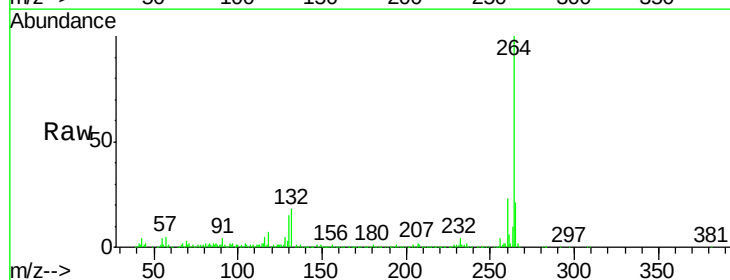
Tgt Ion:264 Resp: 359782

Ion Ratio Lower Upper

264 100

260 22.7 19.3 28.9

265 21.1 17.6 26.4



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

