

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032620\
 Data File : BF119565.D
 Acq On : 27 Mar 2020 13:09
 Operator : CG/JU
 Sample : L2033-03
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SLUDGE-PIT

Quant Time: Mar 27 13:49:26 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 27 07:52:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	262682	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1011861	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	556051	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	1097062	20.00	ng	0.00
76) Chrysene-d12	14.00	240	838188	20.00	ng	-0.01
87) Perylene-d12	15.47	264	692217	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	817964	49.57	ng	0.00
7) Phenol-d6	6.45	99	904091	42.89	ng	-0.01
23) Nitrobenzene-d5	7.39	82	778135	41.79	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	415778	72.48	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	1637056	43.62	ng	0.00
79) Terphenyl-d14	12.95	244	2049392	47.90	ng	-0.01

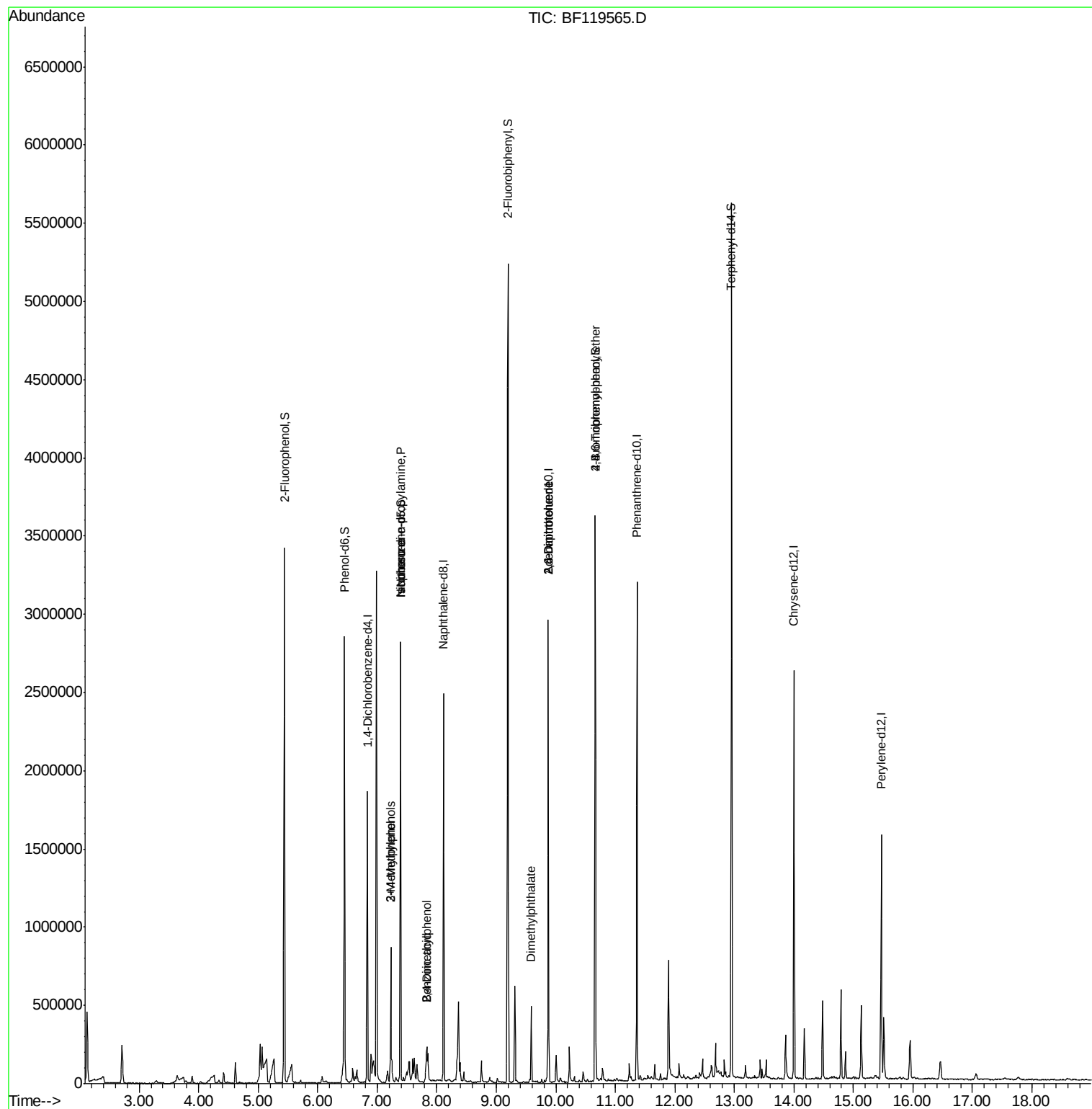
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) 2-Methylphenol	7.23	107	188517	11.872	ng	# 67
19) n-Nitroso-di-n-propylamine	7.39	70	104123	8.195	ng	# 74
20) 3+4-Methylphenols	7.23	107	188517	9.687	ng	# 73
25) Isophorone	7.39	82	775909	20.544	ng	# 65
27) 2,4-Dimethylphenol	7.83	122	57958	3.578	ng	# 6
32) Benzoic acid	7.83	122	57958	5.562	ng	94
50) Dimethylphthalate	9.59	163	179394	4.542	ng	100
51) 2,6-Dinitrotoluene	9.87	165	70016	8.270	ng	# 26
57) 2,4-Dinitrotoluene	9.87	165	70016	6.565	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	25386	2.032	ng	# 1

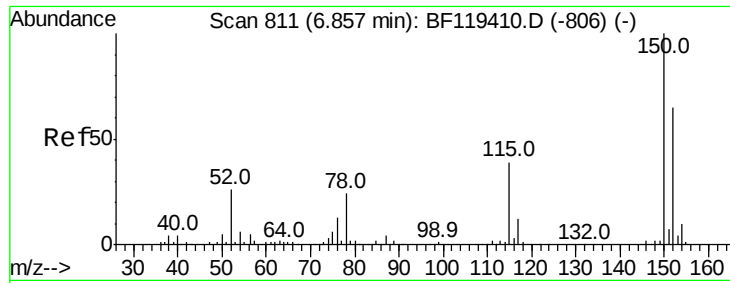
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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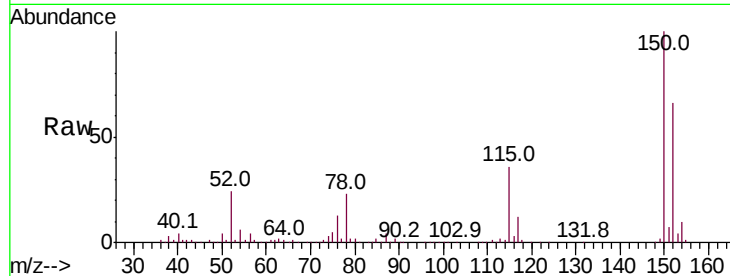


#1

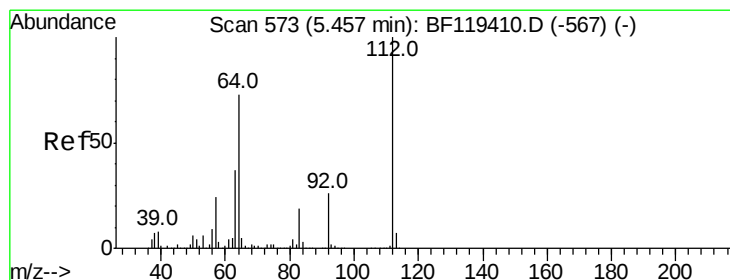
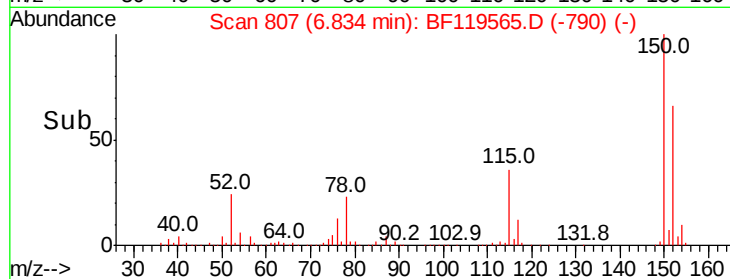
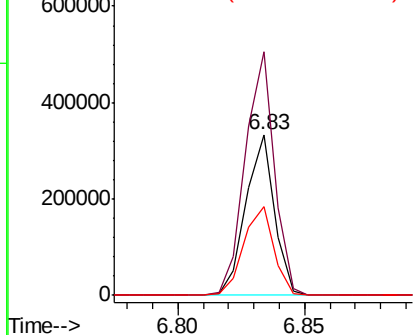
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.00 min
Lab File: BF119565.D
Acq: 27 Mar 2020 13:09

Instrument :
BNA_F
ClientSampleId :
SLUDGE-PIT

Tot Ion:152 Resp: 262682
Ion Ratio Lower Upper
152 100
150 151.4 124.5 186.7
115 55.0 49.6 74.4



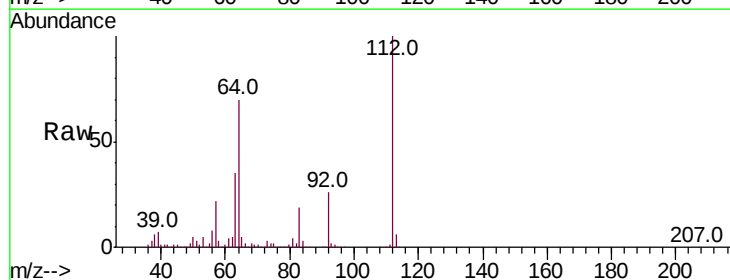
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



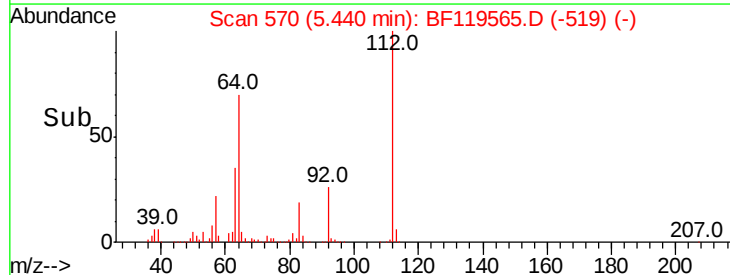
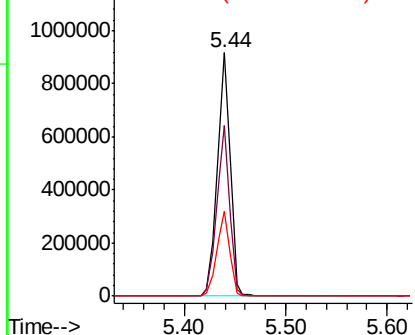
#5

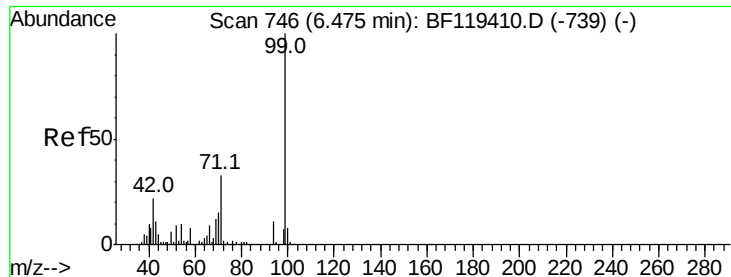
2-Fluorophenol
Concen: 49.570 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.00 min
Lab File: BF119565.D
Acq: 27 Mar 2020 13:09

Tgt Ion:112 Resp: 817964
Ion Ratio Lower Upper
112 100
64 70.1 56.7 85.1
63 34.8 29.5 44.3



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: 42.891 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF119565.D

Acq: 27 Mar 2020 13:09

Instrument :

BNA_F

ClientSampleId :

SLUDGE-PIT

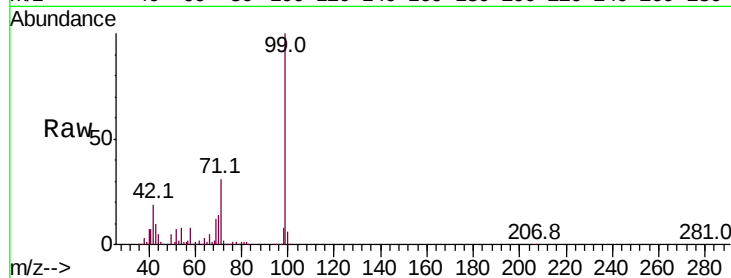
Tot Ion: 99 Resp: 904091

Ion Ratio Lower Upper

99 100

42 19.3 16.6 24.8

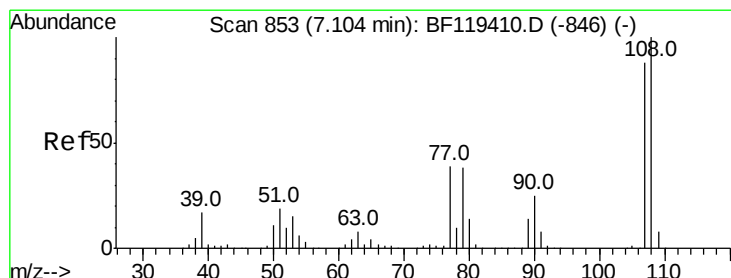
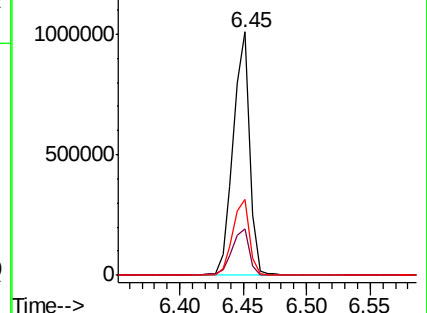
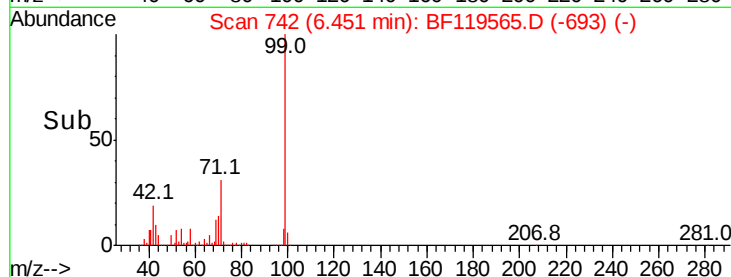
71 31.3 26.4 39.6



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



#17

2-Methylphenol

Concen: 11.872 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.14 min

Lab File: BF119565.D

Acq: 27 Mar 2020 13:09

Tgt Ion: 107 Resp: 188517

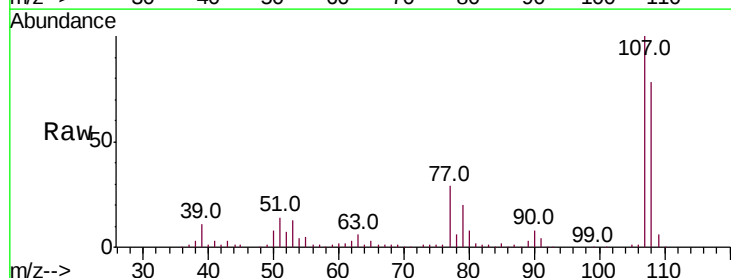
Ion Ratio Lower Upper

107 100

108 78.2 92.2 138.4#

77 29.5 36.6 54.8#

79 20.4 36.2 54.4#

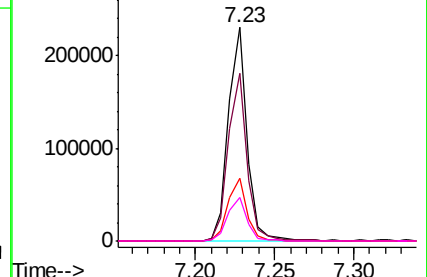
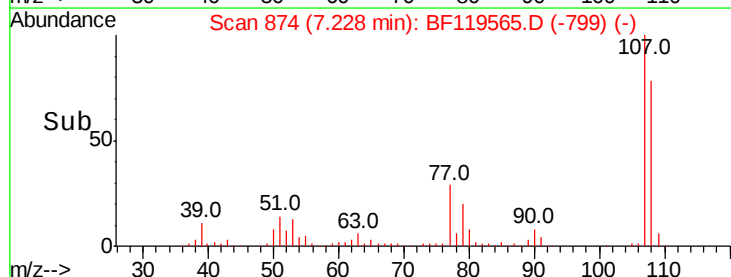


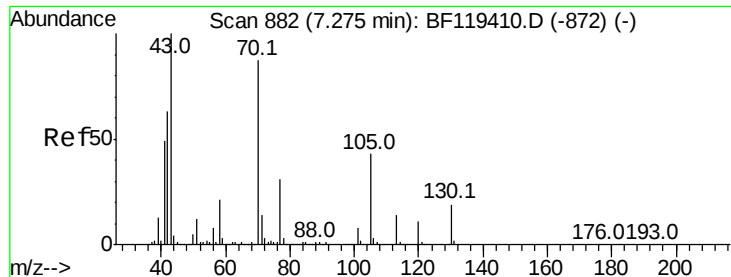
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

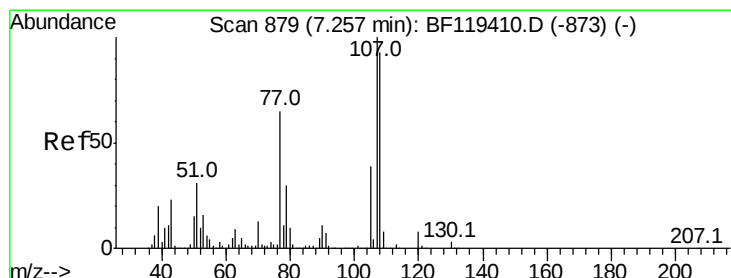
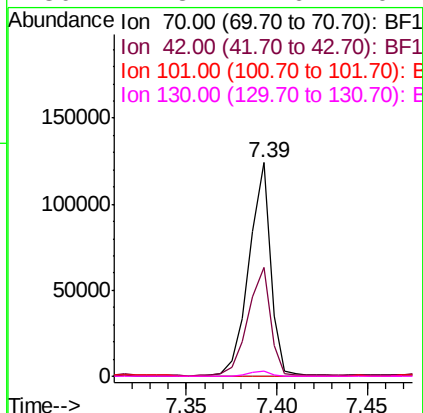
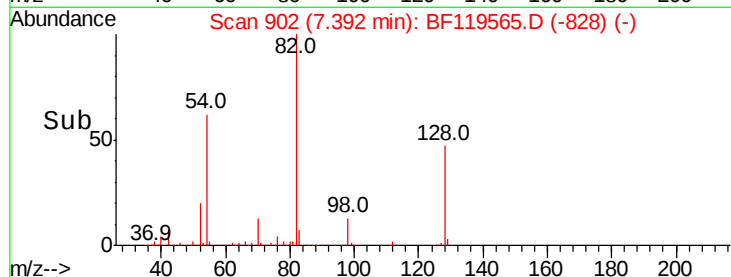
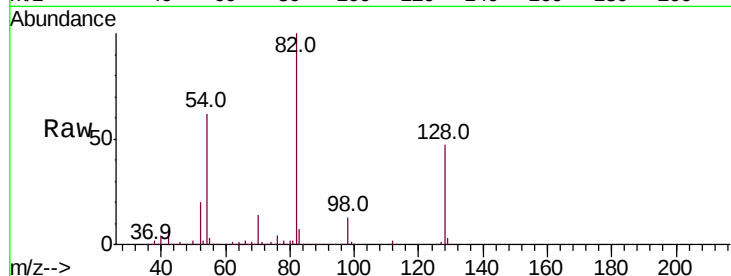




#19
n-Nitroso-di-n-propylamine
Concen: 8.195 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.14 min
Lab File: BF119565.D
Acq: 27 Mar 2020 13:09

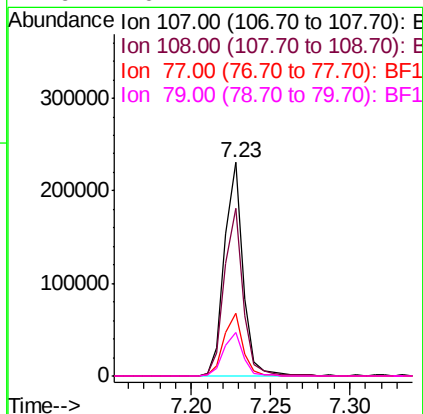
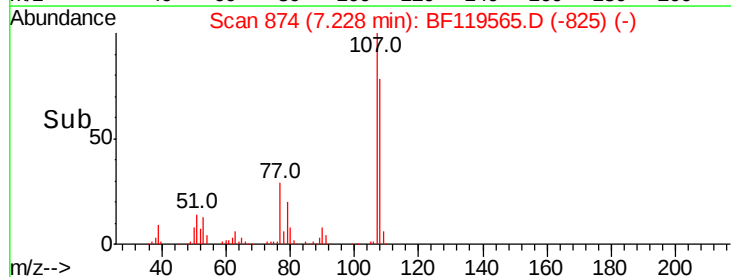
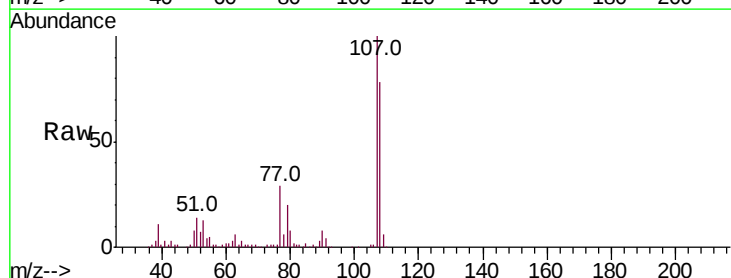
Instrument :
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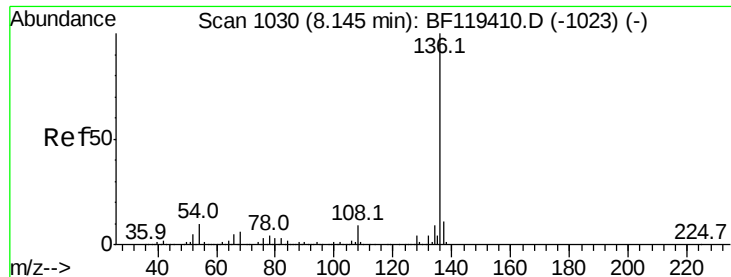
Tot Ion: 70 Resp: 104123
Ion Ratio Lower Upper
70 100
42 51.2 54.5 81.7#
101 0.0 7.6 11.4#
130 2.3 17.6 26.4#



#20
3+4-Methylphenols
Concen: 9.687 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF119565.D
Acq: 27 Mar 2020 13:09

Tgt Ion:107 Resp: 188517
Ion Ratio Lower Upper
107 100
108 78.2 67.9 107.9
77 29.5 52.9 92.9#
79 20.4 7.7 47.7

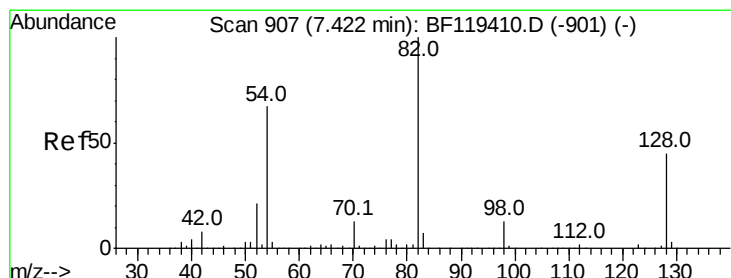
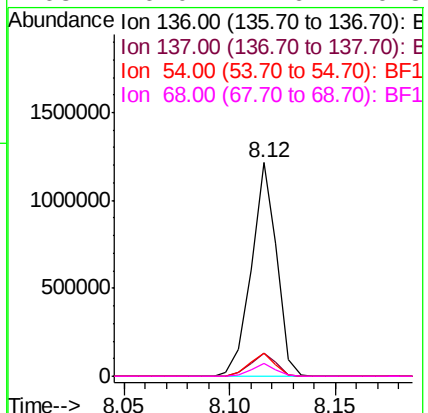
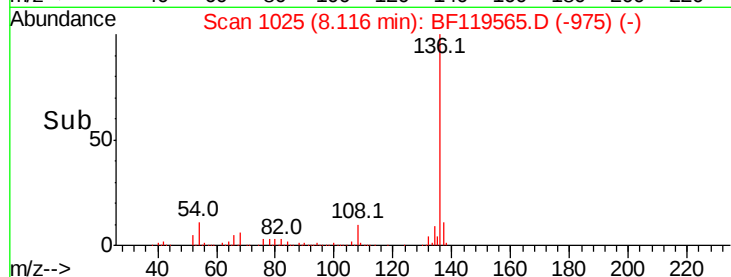
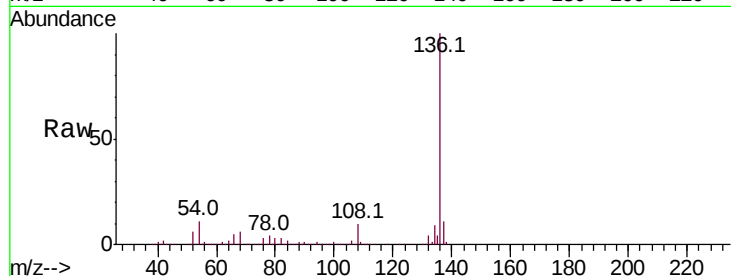




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF119565.D
Acq: 27 Mar 2020 13:09

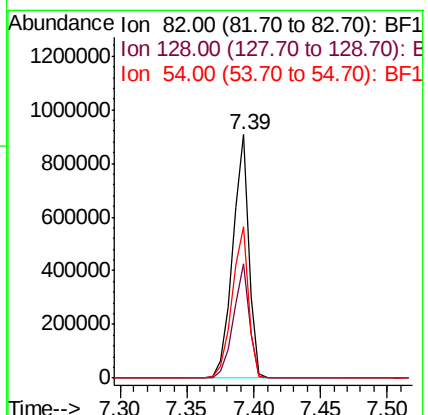
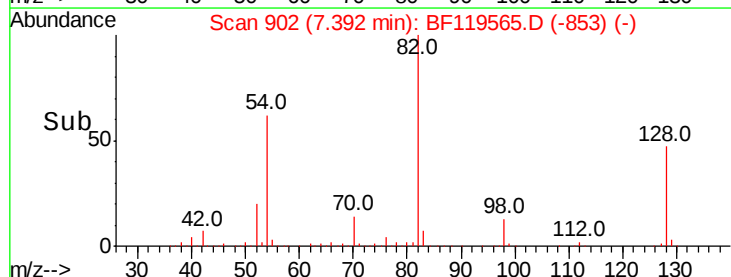
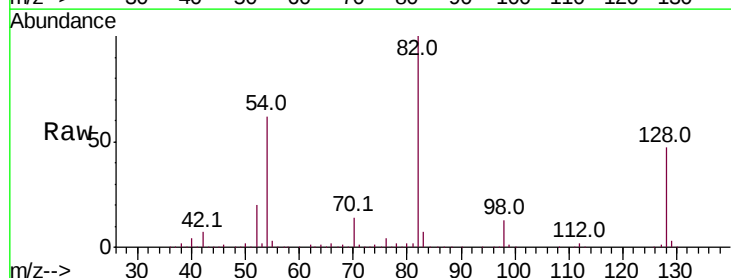
Instrument :
BNA_F
ClientSampleId :
SLUDGE-PIT

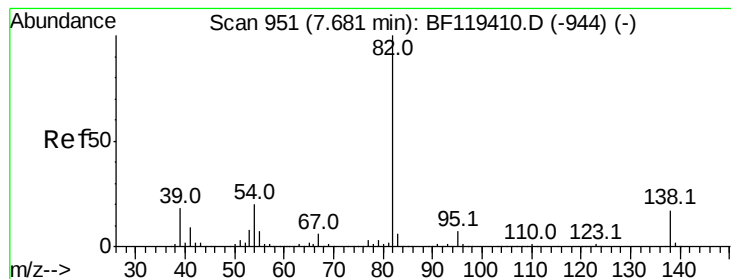
Tot Ion:136	Resp: 1011861
Ion Ratio	Lower Upper
136 100	
137 11.1	8.7 13.1
54 10.8	9.1 13.7
68 6.0	4.6 6.8



#23
Nitrobenzene-d5
Concen: 41.794 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF119565.D
Acq: 27 Mar 2020 13:09

Tgt	Ion: 82	Resp:	778135
Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.3	54.5
54	62.3	50.6	75.8





#25

Isophorone

Concen: 20.544 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.27 min

Lab File: BF119565.D

Acq: 27 Mar 2020 13:09

Instrument :

BNA_F

ClientSampleId :

SLUDGE-PIT

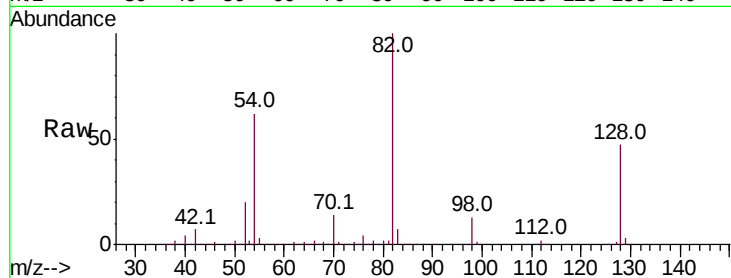
Tot Ion: 82 Resp: 775909

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

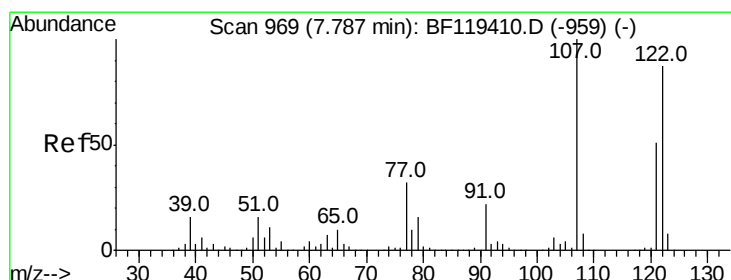
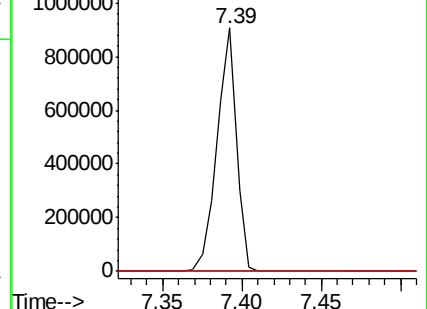
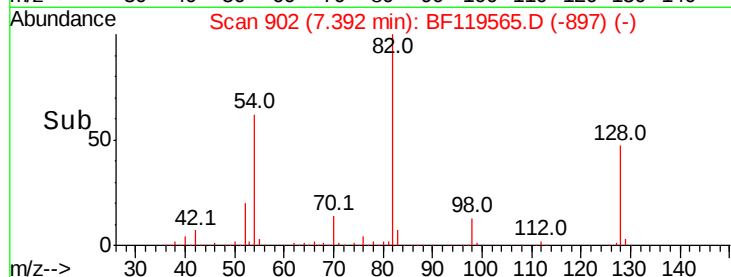
138 0.0 14.6 21.8#



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: 3.578 ng

RT: 7.83 min Scan# 977

Delta R.T. 0.06 min

Lab File: BF119565.D

Acq: 27 Mar 2020 13:09

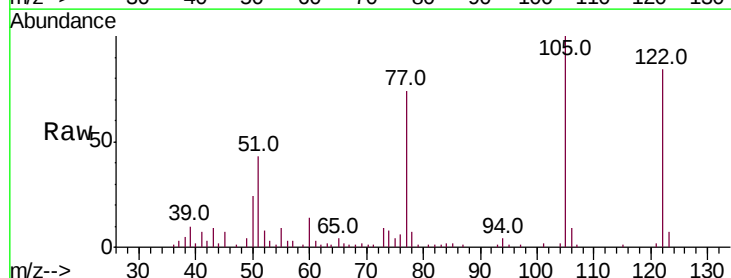
Tgt Ion:122 Resp: 57958

Ion Ratio Lower Upper

122 100

107 1.3 89.0 133.6#

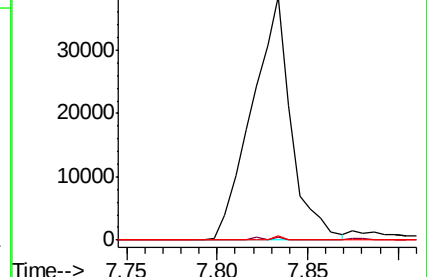
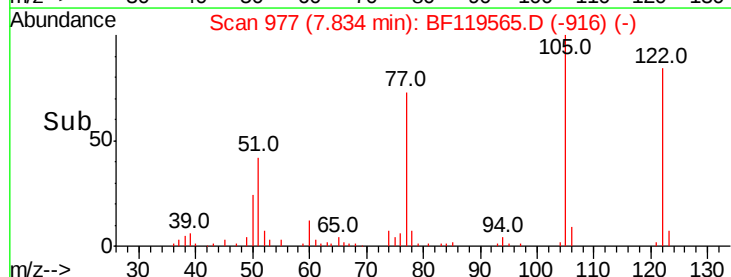
121 2.0 46.7 70.1#

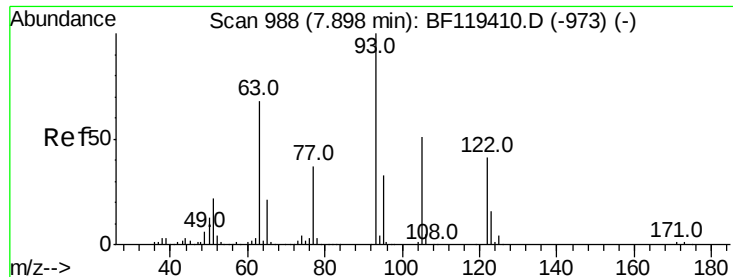


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E





#32

Benzoic acid

Concen: 5.562 ng

RT: 7.83 min Scan# 977

Delta R.T. -0.06 min

Lab File: BF119565.D

Acq: 27 Mar 2020 13:09

Instrument :

BNA_F

ClientSampleId :

SLUDGE-PIT

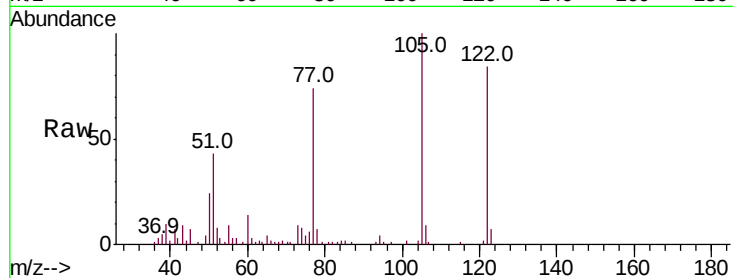
Tot Ion:122 Resp: 57958

Ion Ratio Lower Upper

122 100

105 118.9 104.9 144.9

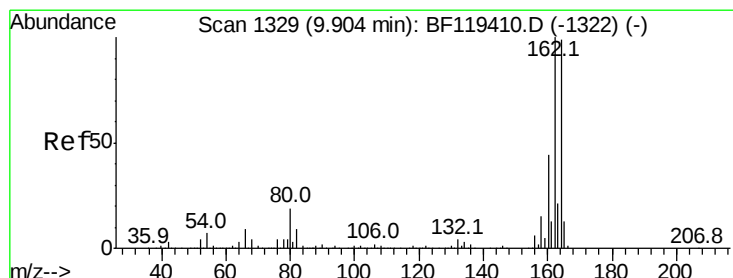
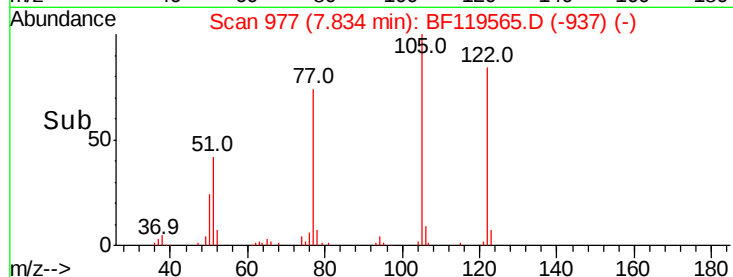
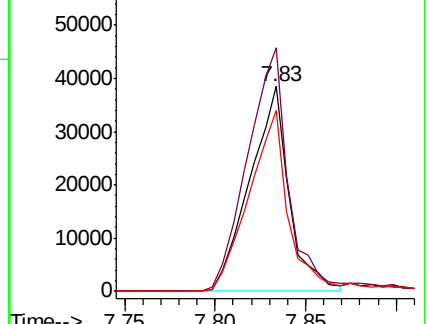
77 88.1 74.4 114.4



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: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF119565.D

Acq: 27 Mar 2020 13:09

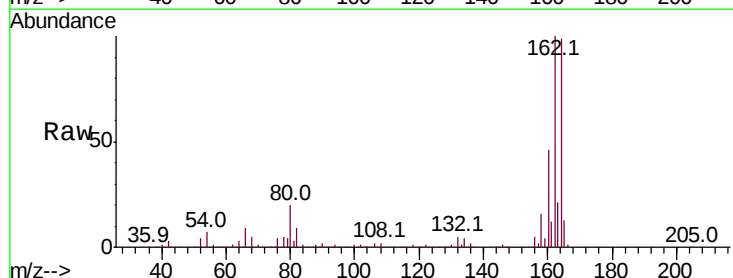
Tgt Ion:164 Resp: 556051

Ion Ratio Lower Upper

164 100

162 100.9 80.6 121.0

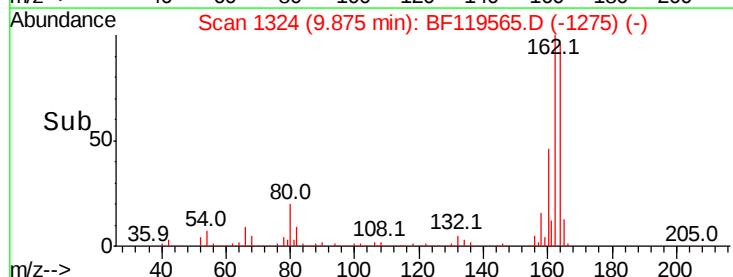
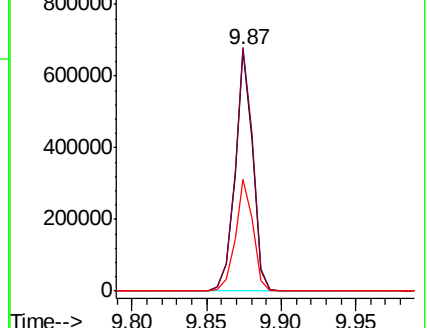
160 46.4 35.7 53.5

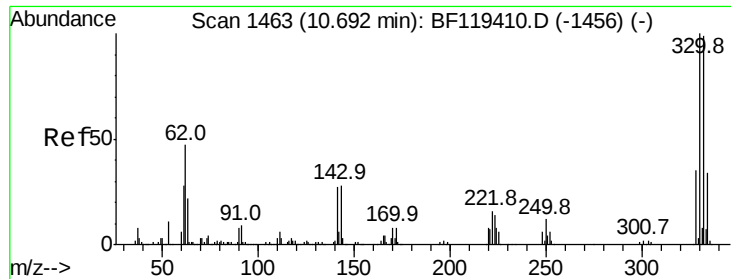


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

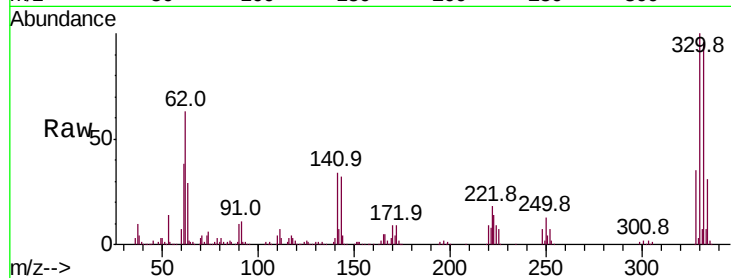




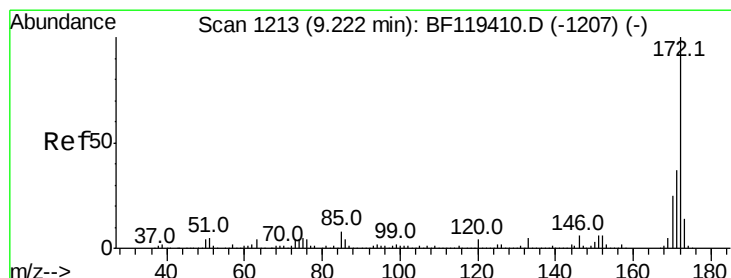
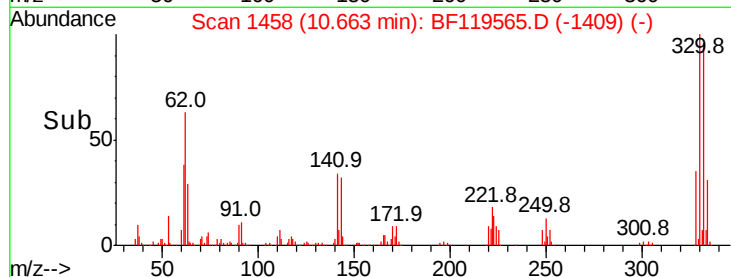
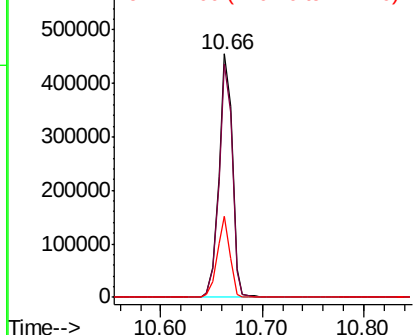
#42
 2,4,6-Tribromophenol
 Concen: 72.478 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF119565.D
 Acq: 27 Mar 2020 13:09

Instrument :
 BNA_F
 ClientSampleId :
 SLUDGE-PIT

Tot Ion:330 Resp: 415778
 Ion Ratio Lower Upper
 330 100
 332 95.4 75.7 113.5
 141 31.6 25.4 38.0

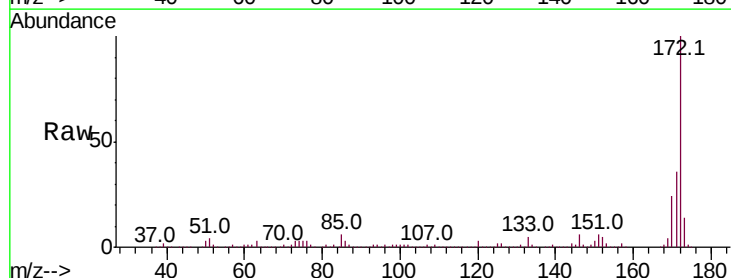


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

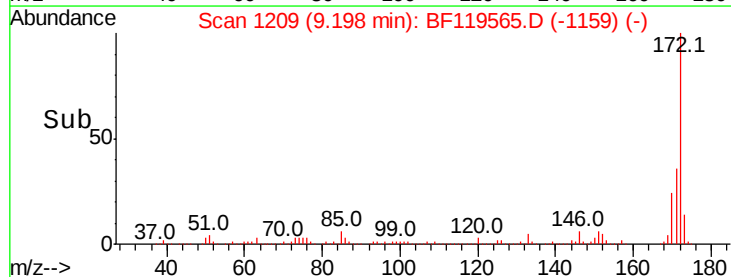
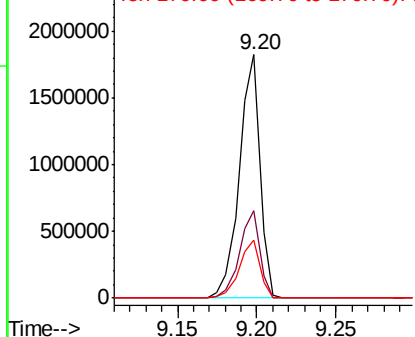


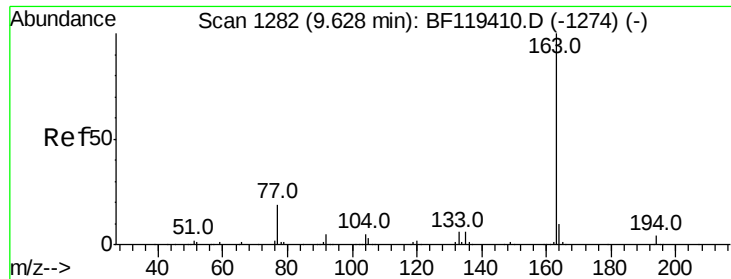
#45
 2-Fluorobiphenyl
 Concen: 43.616 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF119565.D
 Acq: 27 Mar 2020 13:09

Tgt Ion:172 Resp: 1637056
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.6 44.4
 170 24.0 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

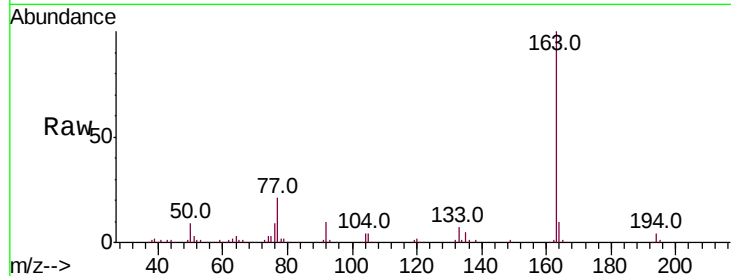




#50
Dimethylphthalate
Concen: 4.542 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF119565.D
Acq: 27 Mar 2020 13:09

Instrument :
BNA_F
ClientSampleId :
SLUDGE-PIT

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	10.2	8.2	12.2

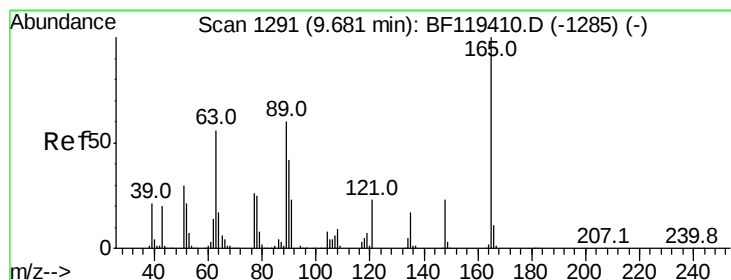
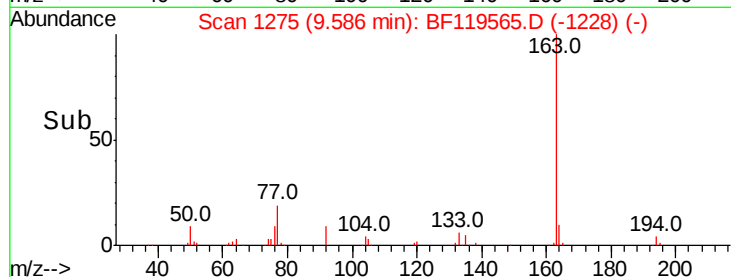
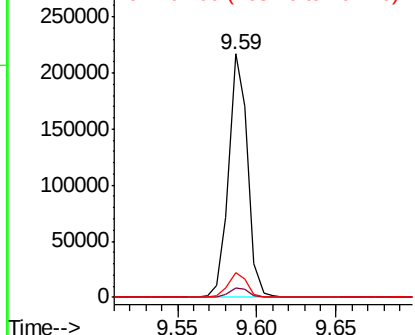


Abundance

Ion 163.00 (162.70 to 163.70): E

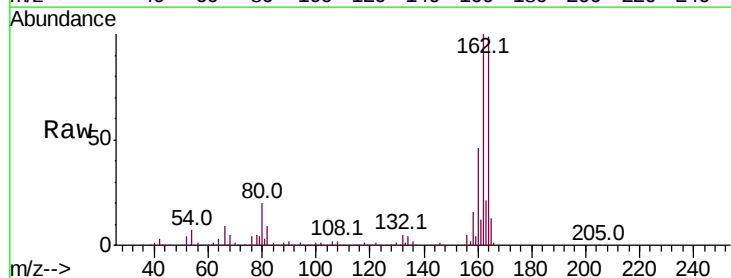
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
2,6-Dinitrotoluene
Concen: 8.270 ng
RT: 9.87 min Scan# 1324
Delta R.T. 0.21 min
Lab File: BF119565.D
Acq: 27 Mar 2020 13:09

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	45.0	67.4#
89	1.1	41.5	62.3#

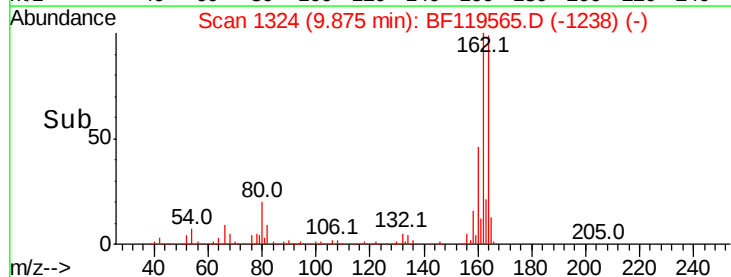
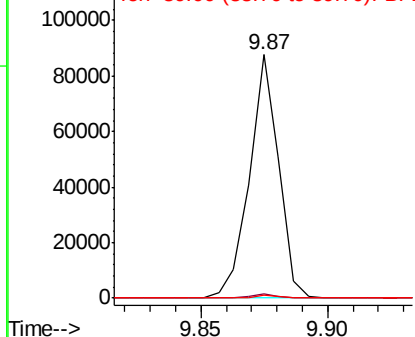


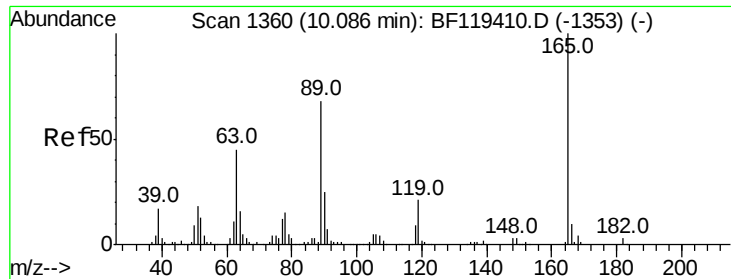
Abundance

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

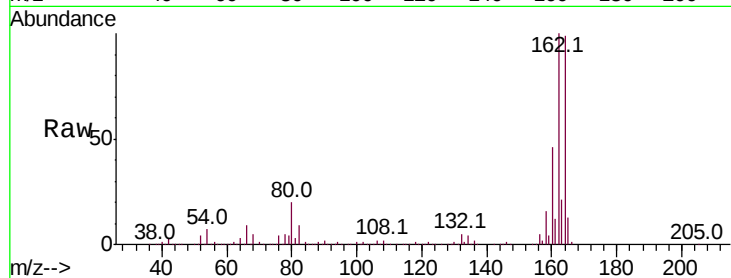




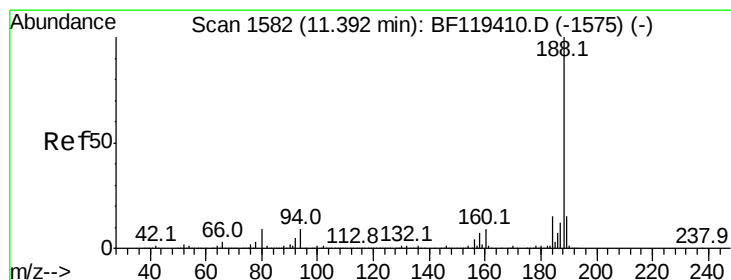
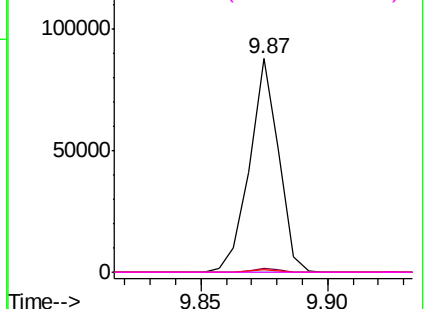
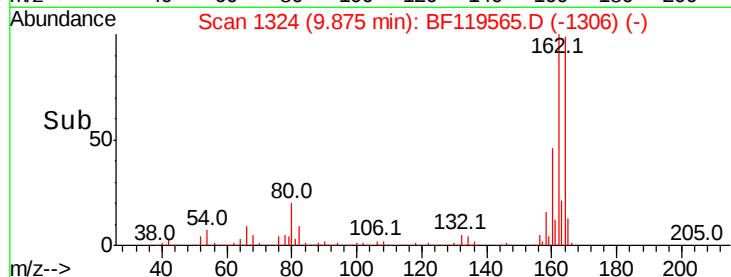
#57
 2,4-Dinitrotoluene
 Concen: 6.565 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.19 min
 Lab File: BF119565.D
 Acq: 27 Mar 2020 13:09

Instrument :
 BNA_F
 ClientSampleId :
 SLUDGE-PIT

Tot Ion:165 Resp: 70016
 Ion Ratio Lower Upper
 165 100
 63 1.7 42.6 64.0#
 89 1.1 61.0 91.4#
 182 0.0 2.2 3.2#

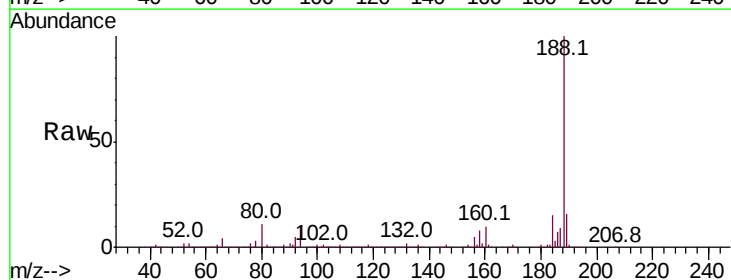


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

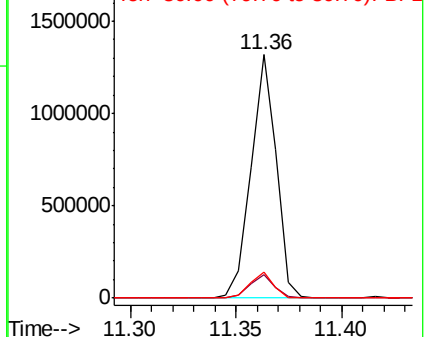
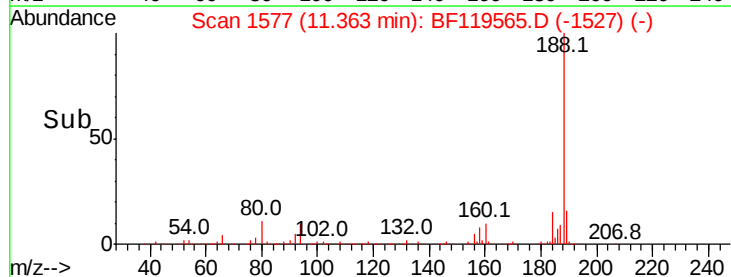


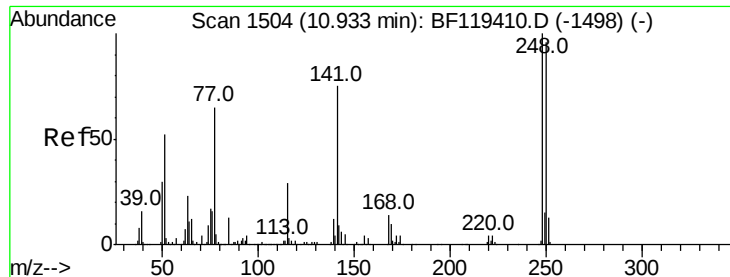
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF119565.D
 Acq: 27 Mar 2020 13:09

Tgt Ion:188 Resp: 1097062
 Ion Ratio Lower Upper
 188 100
 94 9.8 7.5 11.3
 80 10.7 9.0 13.4



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

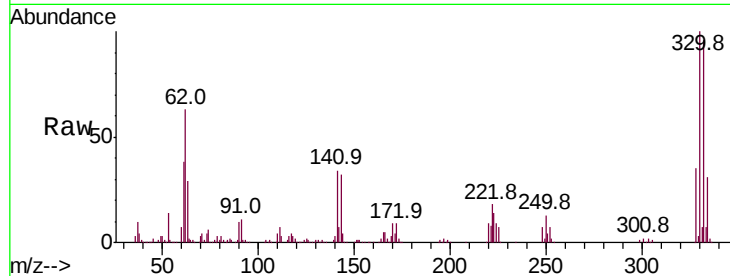




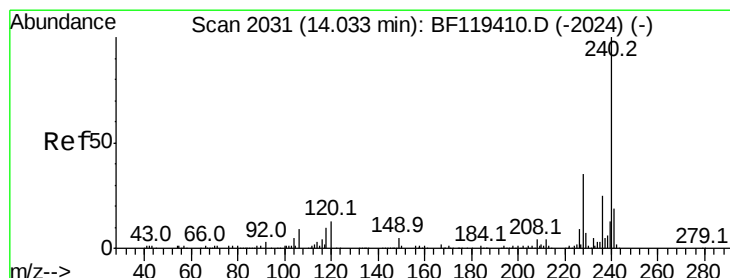
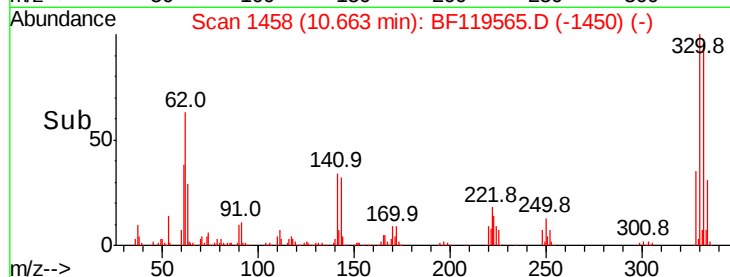
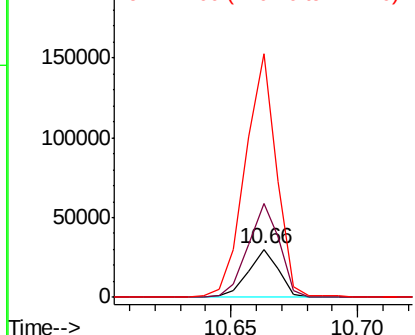
#67
4-Bromophenyl-phenylether
Concen: 2.032 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF119565.D
Acq: 27 Mar 2020 13:09

Instrument :
BNA_F
ClientSampleId :
SLUDGE-PIT

Tot Ion:248 Resp: 25386
Ion Ratio Lower Upper
248 100
250 196.5 77.3 115.9#
141 508.7 58.6 87.8#

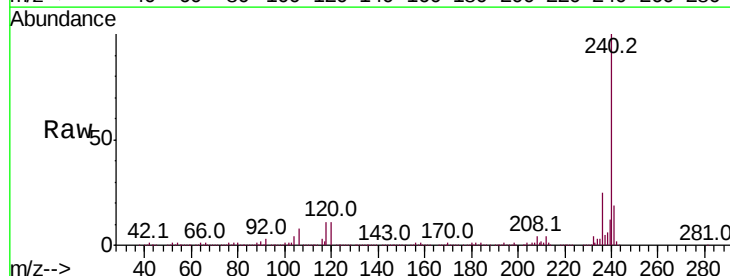


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

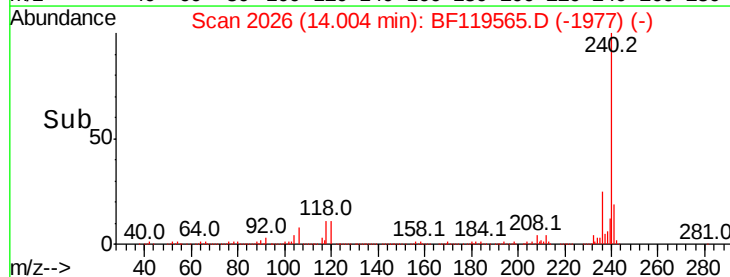
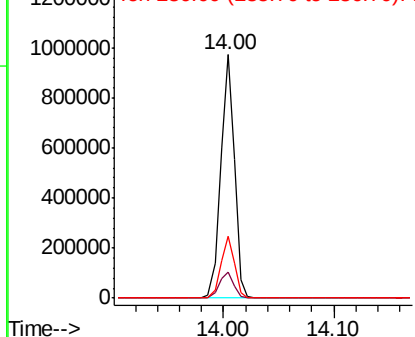


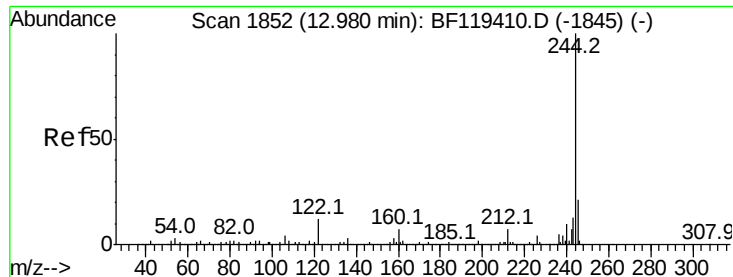
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF119565.D
Acq: 27 Mar 2020 13:09

Tgt Ion:240 Resp: 838188
Ion Ratio Lower Upper
240 100
120 10.9 10.6 15.8
236 25.3 20.2 30.2



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





#79

Terphenyl-d14

Concen: 47.903 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF119565.D

Acq: 27 Mar 2020 13:09

Instrument :

BNA_F

ClientSampleId :

SLUDGE-PIT

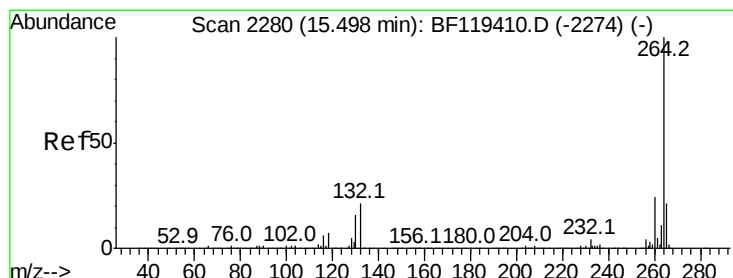
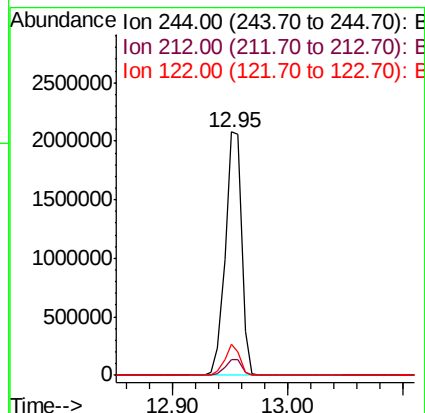
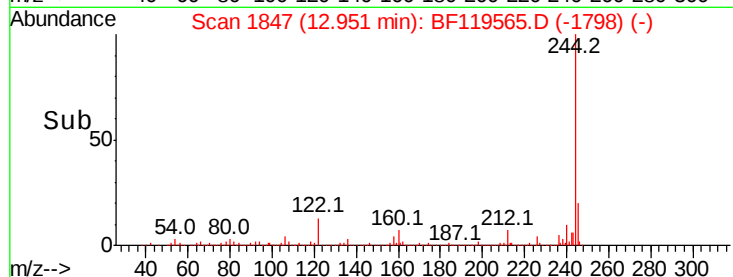
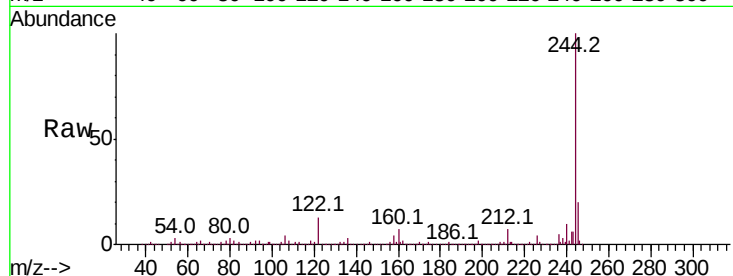
Tot Ion:244 Resp: 2049392

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

122 12.7 10.3 15.5



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF119565.D

Acq: 27 Mar 2020 13:09

Tgt Ion:264 Resp: 692217

Ion Ratio Lower Upper

264 100

260 23.9 18.7 28.1

265 21.4 17.7 26.5

