

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032520\
 Data File : BF119531.D
 Acq On : 26 Mar 2020 7:13
 Operator : CG/JU
 Sample : L2026-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SLUDGE-PIT

Quant Time: Mar 26 07:45:52 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 18 15:11:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	306312	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	1136511	20.00	ng	-0.02
39) Acenaphthene-d10	9.89	164	546157	20.00	ng	-0.02
64) Phenanthrene-d10	11.37	188	899027	20.00	ng	-0.02
76) Chrysene-d12	14.02	240	615432	20.00	ng	-0.02
87) Perylene-d12	15.49	264	628045	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	2368699	123.10	ng	0.02
7) Phenol-d6	6.47	99	2669151	108.59	ng	0.00
23) Nitrobenzene-d5	7.41	82	2085003	99.70	ng	-0.01
42) 2,4,6-Tribromophenol	10.68	330	799980	141.98	ng	-0.01
45) 2-Fluorobiphenyl	9.21	172	3585097	97.25	ng	-0.01
79) Terphenyl-d14	12.97	244	3091508	98.42	ng	-0.01

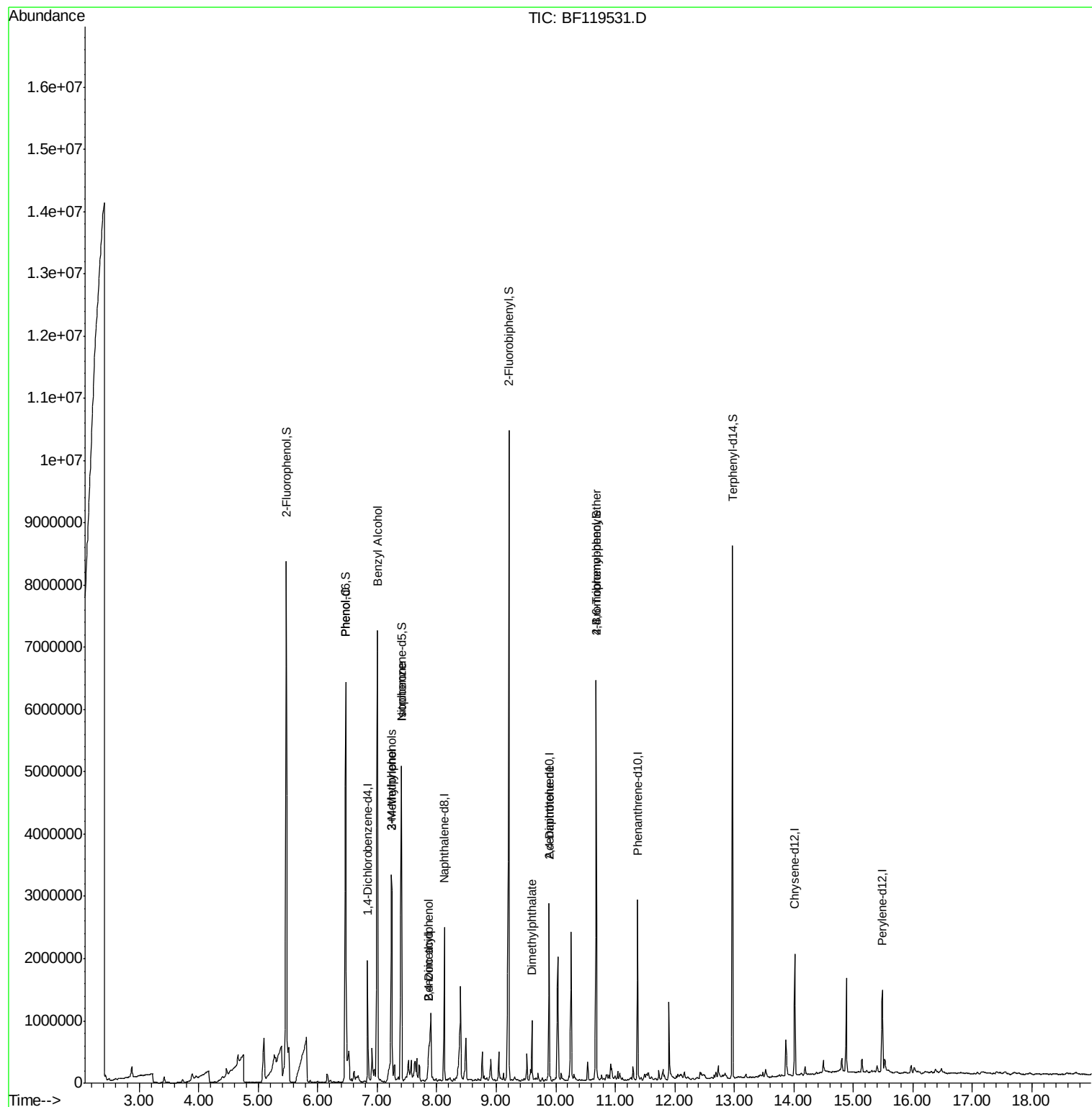
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.48	94	136203	5.193	ng	92
15) Benzyl Alcohol	7.00	79	40335	2.181	ng	# 50
17) 2-Methylphenol	7.25	107	922073	49.797	ng	# 72
20) 3+4-Methylphenols	7.25	107	922073	40.633	ng	# 77
25) Isophorone	7.41	82	2078850	49.006	ng	# 66
27) 2,4-Dimethylphenol	7.87	122	53875	2.961	ng	# 10
32) Benzoic acid	7.87	122	53875	4.603	ng	97
50) Dimethylphthalate	9.60	163	359490	9.267	ng	99
57) 2,4-Dinitrotoluene	9.89	165	70542	6.734	ng	# 25
67) 4-Bromophenyl-phenylether	10.68	248	47791	4.668	ng	# 1

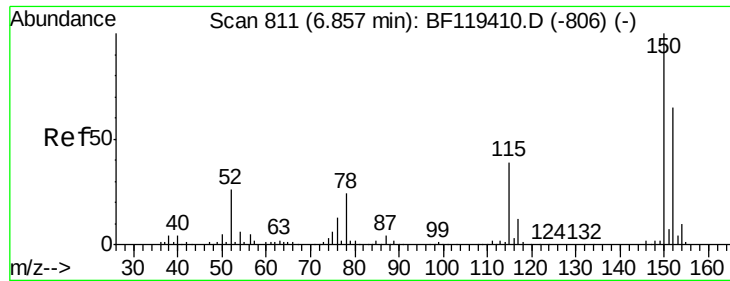
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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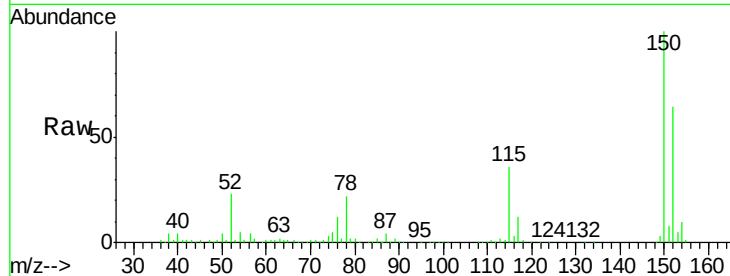


#1

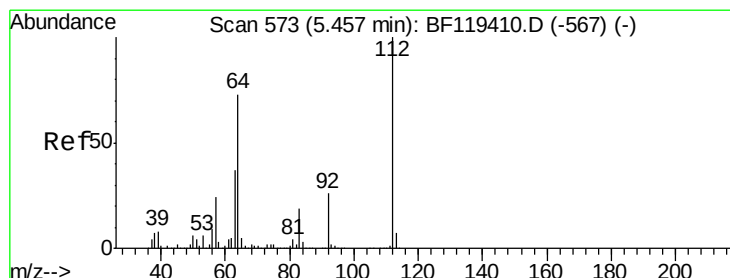
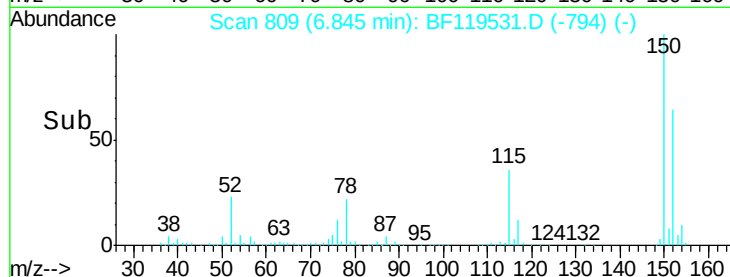
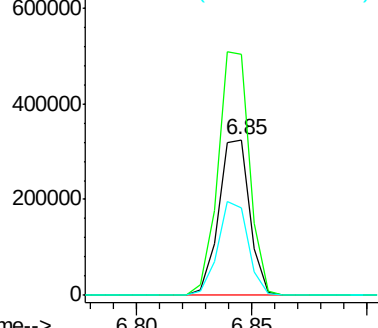
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF119531.D
Acq: 26 Mar 2020 7:13

Instrument :
BNA_F
ClientSampleId :
SLUDGE-PIT

Tgt Ion:152 Resp: 306312
Ion Ratio Lower Upper
152 100
150 155.1 123.9 185.9
115 55.9 47.8 71.6



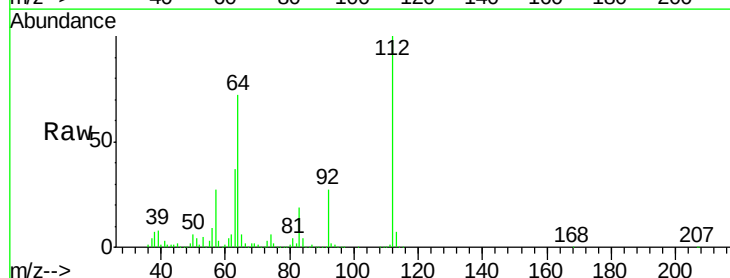
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



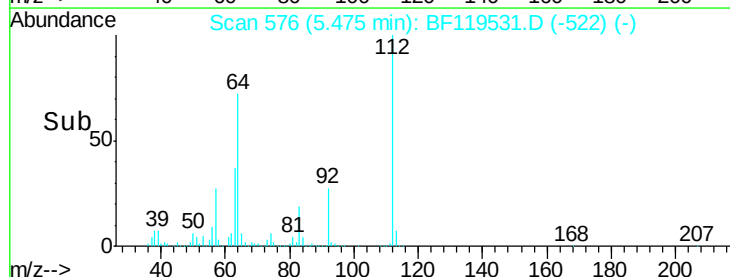
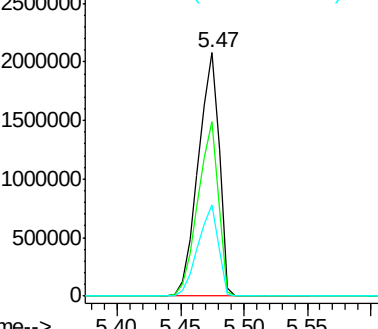
#5

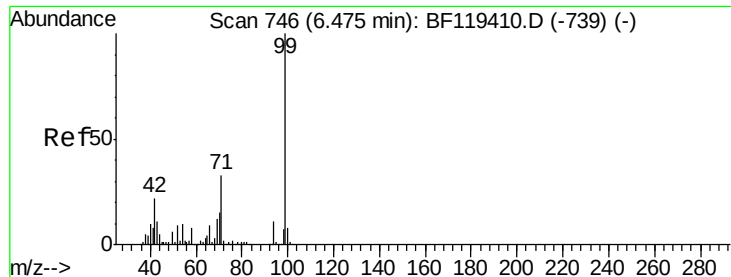
2-Fluorophenol
Concen: 123.101 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.02 min
Lab File: BF119531.D
Acq: 26 Mar 2020 7:13

Tgt Ion:112 Resp: 2368699
Ion Ratio Lower Upper
112 100
64 71.7 58.1 87.1
63 37.3 29.7 44.5



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: 108.590 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.00 min

Lab File: BF119531.D

Acq: 26 Mar 2020 7:13

Instrument :

BNA_F

ClientSampleId :

SLUDGE-PIT

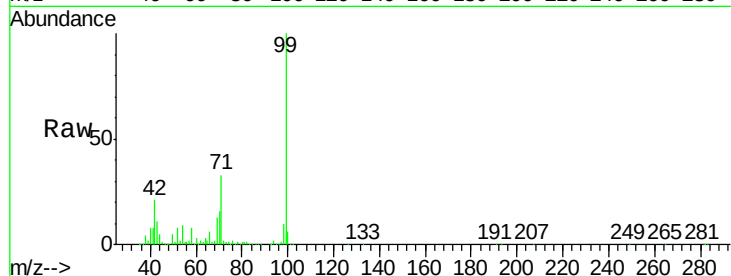
Tgt Ion: 99 Resp: 2669151

Ion Ratio Lower Upper

99 100

42 20.7 17.8 26.6

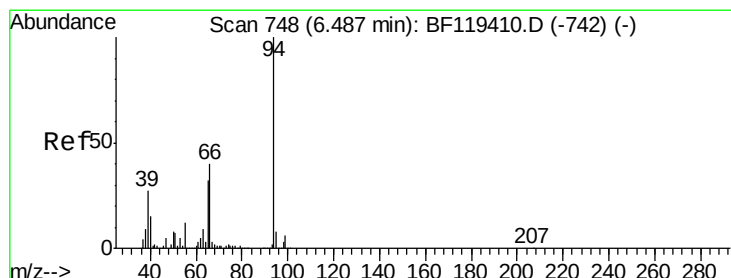
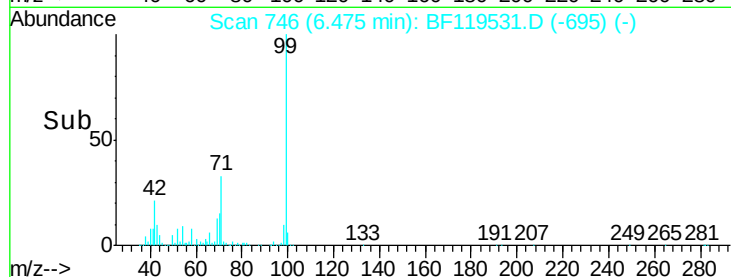
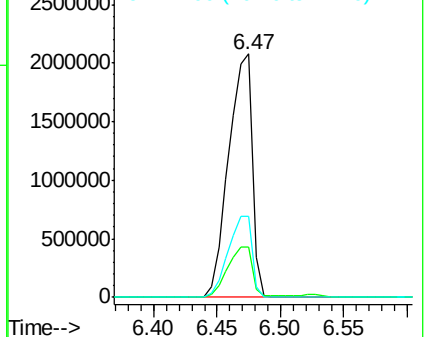
71 33.3 26.0 39.0



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



#10

Phenol

Concen: 5.193 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF119531.D

Acq: 26 Mar 2020 7:13

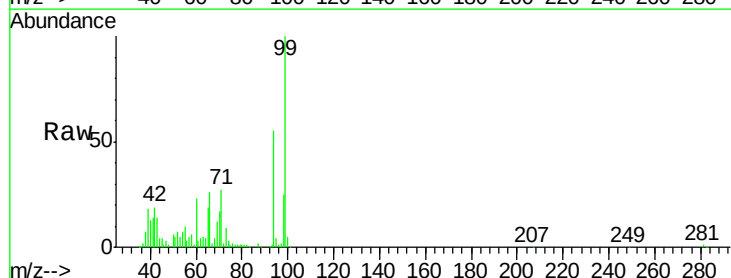
Tgt Ion: 94 Resp: 136203

Ion Ratio Lower Upper

94 100

65 34.4 12.0 52.0

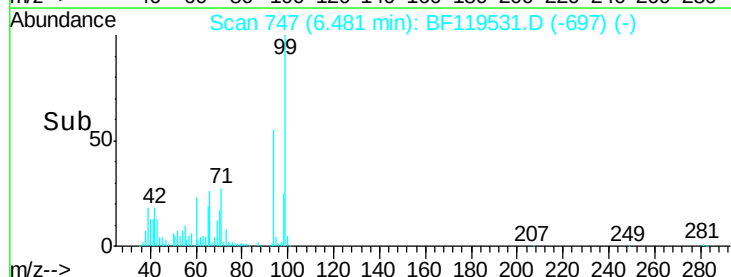
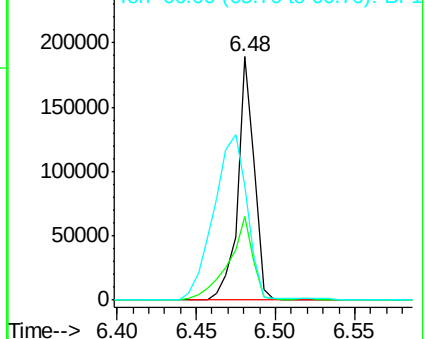
66 47.1 20.6 60.6

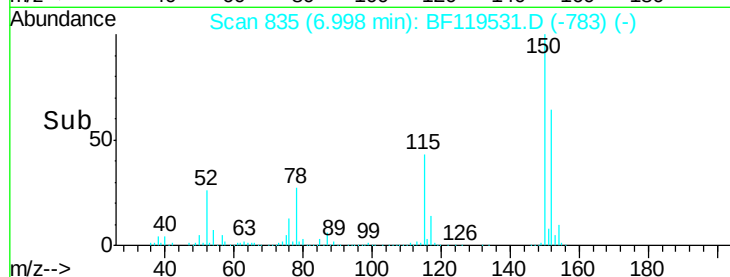
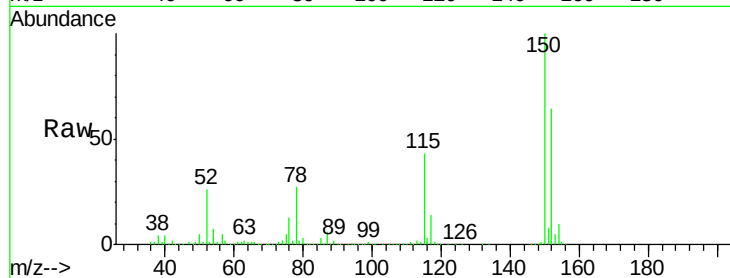
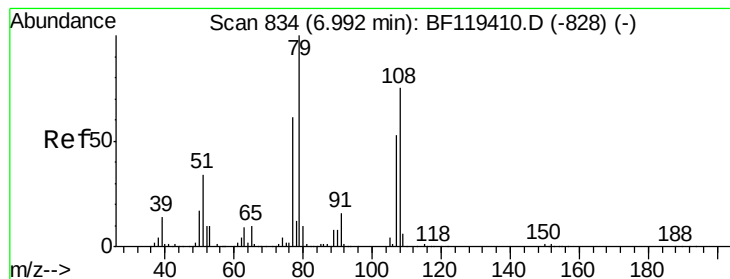


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#15

Benzyl Alcohol

Concen: 2.181 ng

RT: 7.00 min Scan# 835

Delta R.T. 0.01 min

Lab File: BF119531.D

Acq: 26 Mar 2020 7:13

Instrument :

BNA_F

ClientSampleId :

SLUDGE-PIT

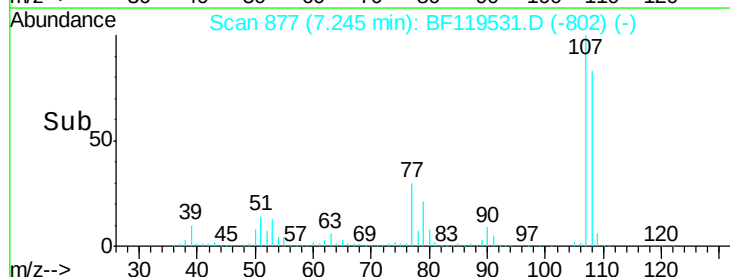
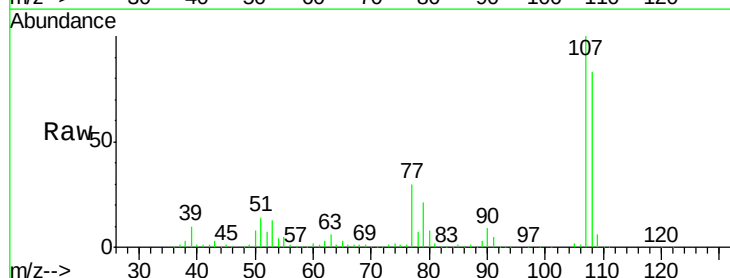
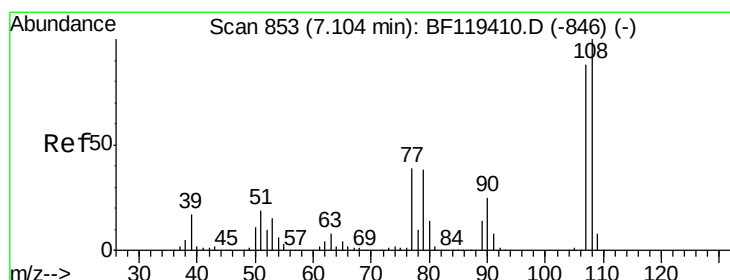
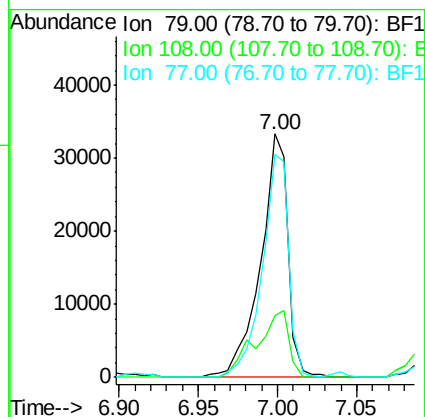
Tgt Ion: 79 Resp: 40335

Ion Ratio Lower Upper

79 100

108 25.2 60.4 90.6#

77 91.5 49.0 73.4#



#17

2-Methylphenol

Concen: 49.797 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.14 min

Lab File: BF119531.D

Acq: 26 Mar 2020 7:13

Tgt Ion: 107 Resp: 922073

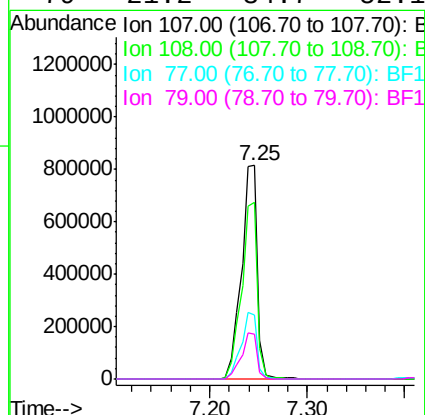
Ion Ratio Lower Upper

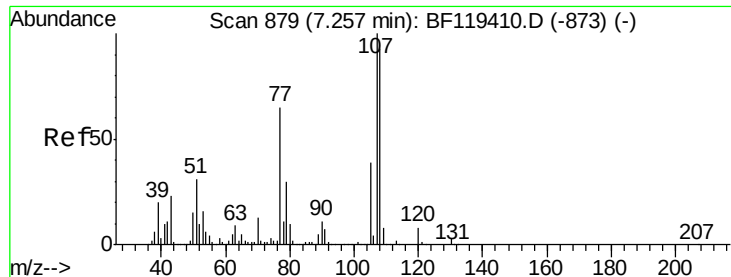
107 100

108 82.6 90.7 136.1#

77 30.2 35.6 53.4#

79 21.2 34.7 52.1#





#20

3+4-Methylphenols

Concen: 40.633 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.01 min

Lab File: BF119531.D

Acq: 26 Mar 2020 7:13

Instrument :

BNA_F

ClientSampleId :

SLUDGE-PIT

Tgt Ion:107 Resp: 922073

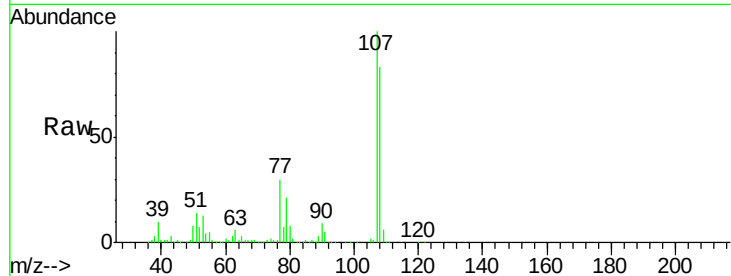
Ion Ratio Lower Upper

107 100

108 82.6 72.6 112.6

77 30.2 44.7 84.7#

79 21.2 10.2 50.2

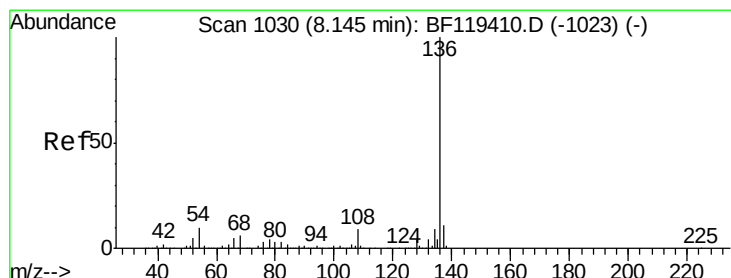
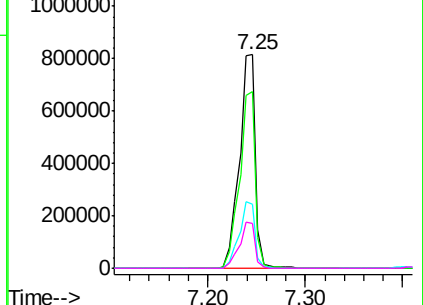
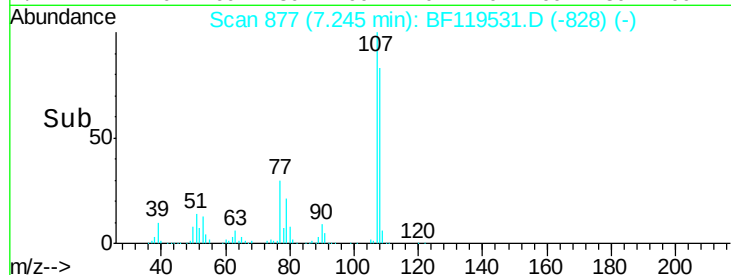


Abundance Ion 107.00 (106.70 to 107.70): E

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: 8.13 min Scan# 1027

Delta R.T. -0.02 min

Lab File: BF119531.D

Acq: 26 Mar 2020 7:13

Tgt Ion:136 Resp: 1136511

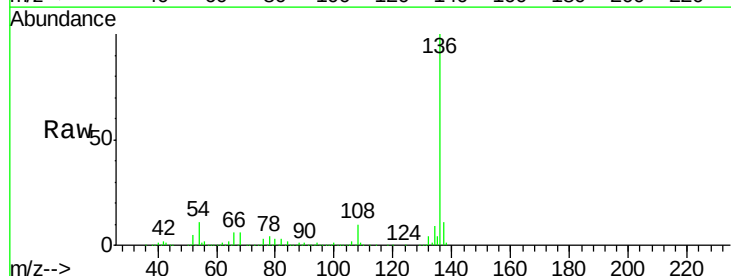
Ion Ratio Lower Upper

136 100

137 11.5 8.4 12.6

54 10.6 8.3 12.5

68 5.7 4.9 7.3

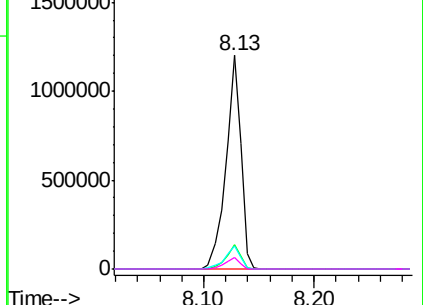
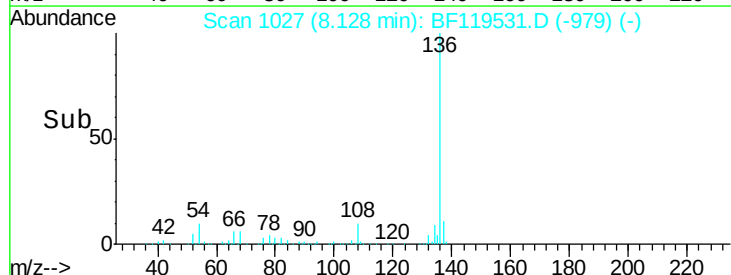


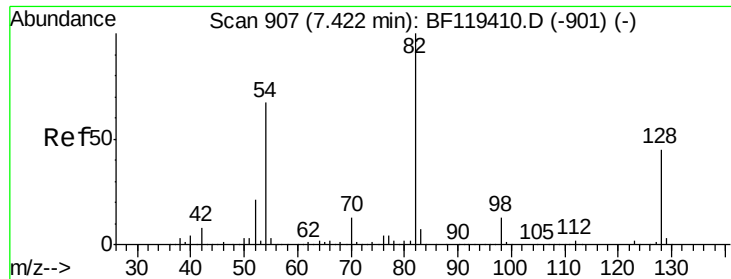
Abundance Ion 136.00 (135.70 to 136.70): E

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

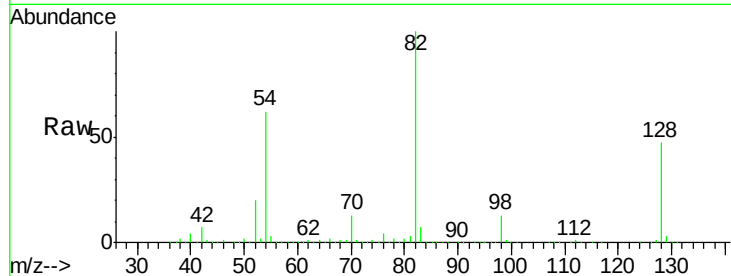




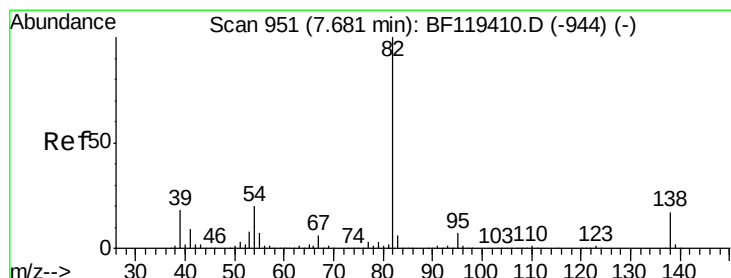
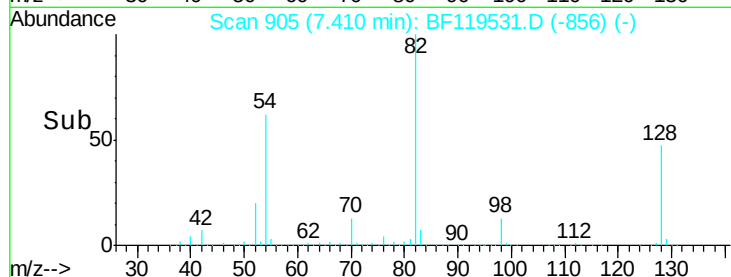
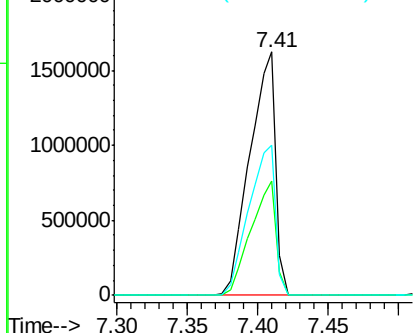
#23
Nitrobenzene-d5
Concen: 99.705 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF119531.D
Acq: 26 Mar 2020 7:13

Instrument :
BNA_F
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SLUDGE-PIT

Tgt Ion: 82 Resp: 2085003
Ion Ratio Lower Upper
82 100
128 47.1 35.8 53.8
54 61.9 53.4 80.0

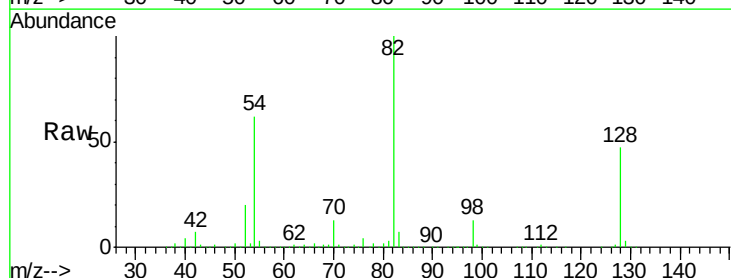


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

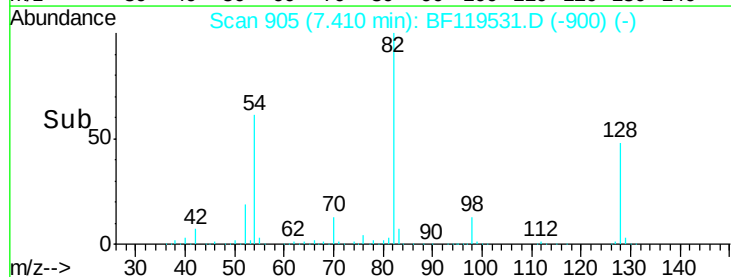
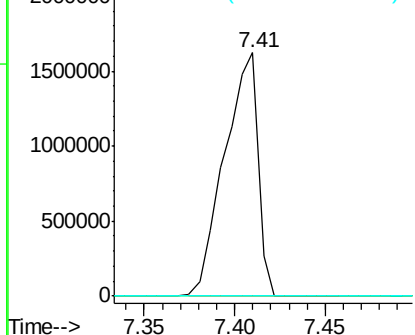


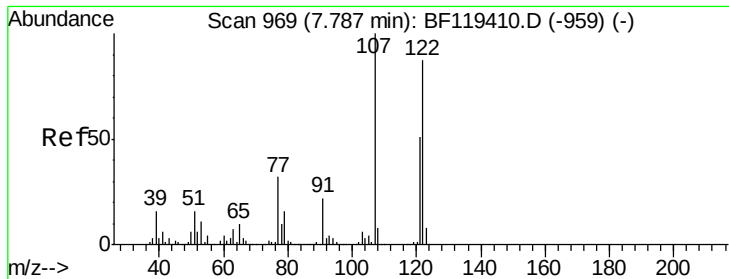
#25
Isophorone
Concen: 49.006 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.27 min
Lab File: BF119531.D
Acq: 26 Mar 2020 7:13

Tgt Ion: 82 Resp: 2078850
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.2#
138 0.0 13.8 20.8#



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: 2.961 ng

RT: 7.87 min Scan# 983

Delta R.T. 0.08 min

Lab File: BF119531.D

Acq: 26 Mar 2020 7:13

Instrument :

BNA_F

ClientSampleId :

SLUDGE-PIT

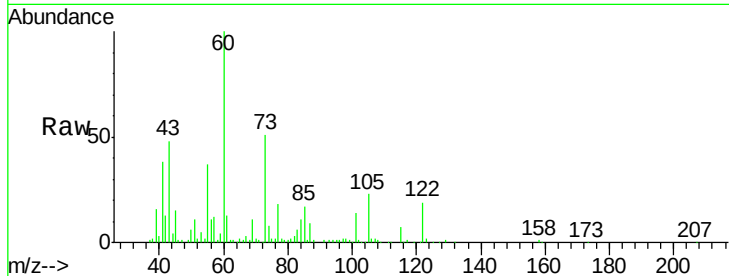
Tgt Ion:122 Resp: 53875

Ion Ratio Lower Upper

122 100

107 10.2 91.8 137.6#

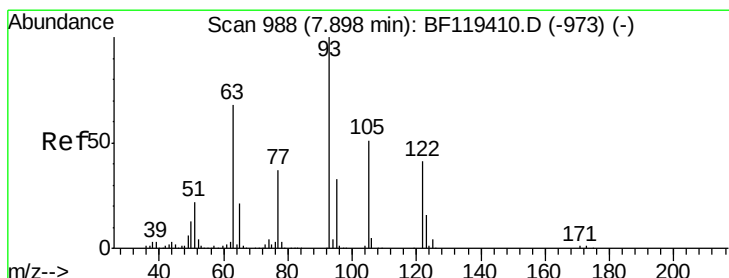
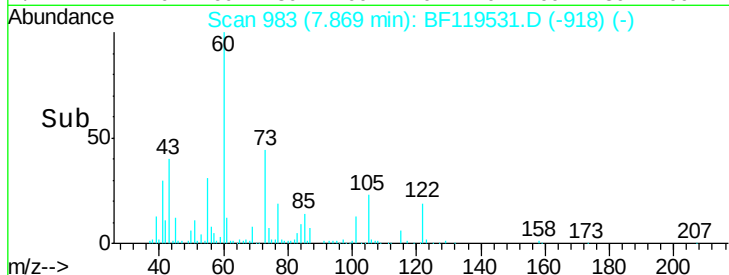
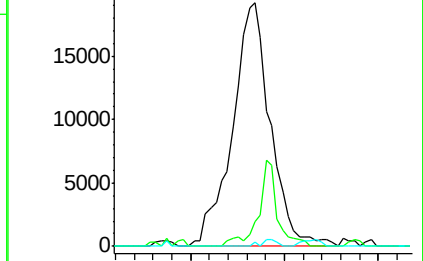
121 1.8 46.5 69.7#



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: 4.603 ng

RT: 7.87 min Scan# 983

Delta R.T. -0.03 min

Lab File: BF119531.D

Acq: 26 Mar 2020 7:13

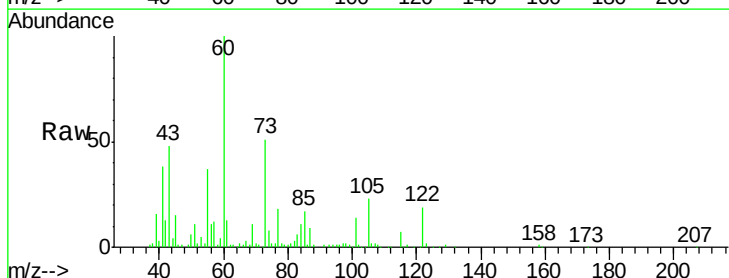
Tgt Ion:122 Resp: 53875

Ion Ratio Lower Upper

122 100

105 121.9 102.9 142.9

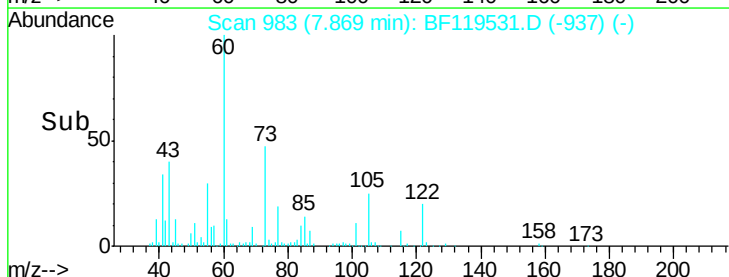
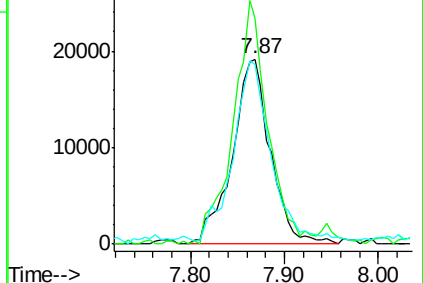
77 96.6 70.1 110.1

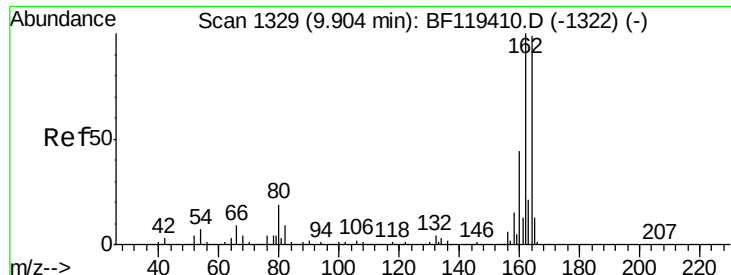


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.02 min

Lab File: BF119531.D

Acq: 26 Mar 2020 7:13

Instrument :

BNA_F

ClientSampleId :

SLUDGE-PIT

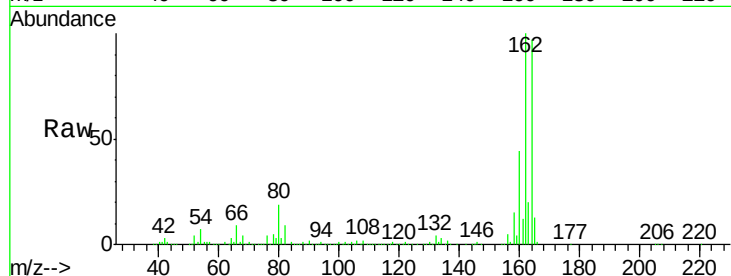
Tgt Ion:164 Resp: 546157

Ion Ratio Lower Upper

164 100

162 102.7 80.7 121.1

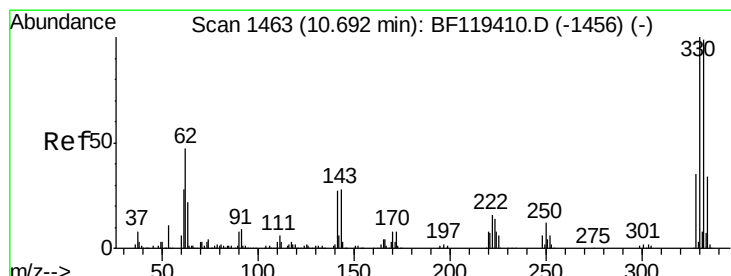
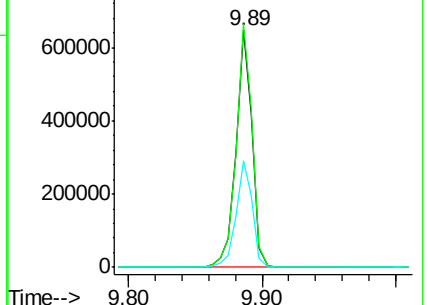
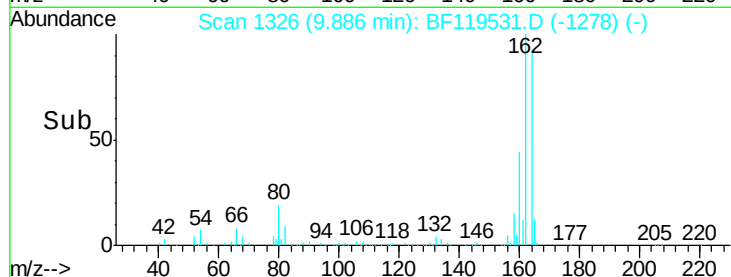
160 44.9 35.5 53.3



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: 141.979 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF119531.D

Acq: 26 Mar 2020 7:13

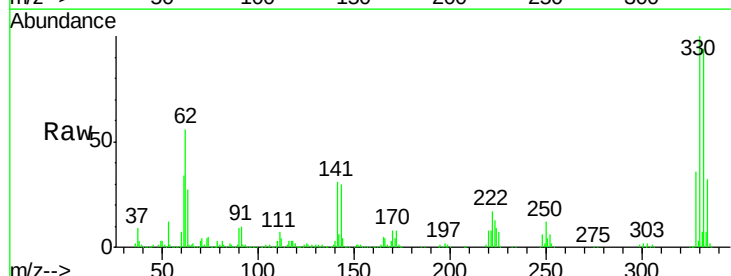
Tgt Ion:330 Resp: 799980

Ion Ratio Lower Upper

330 100

332 95.4 77.6 116.4

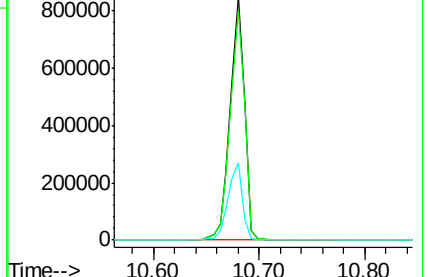
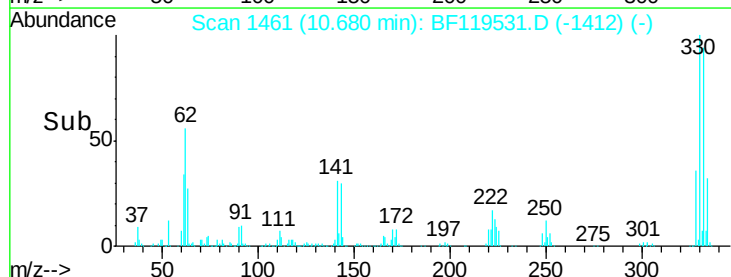
141 31.8 26.6 40.0

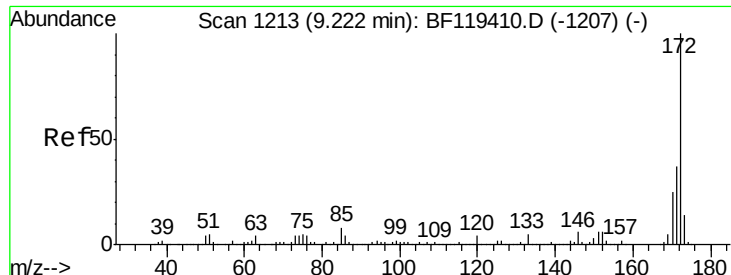


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



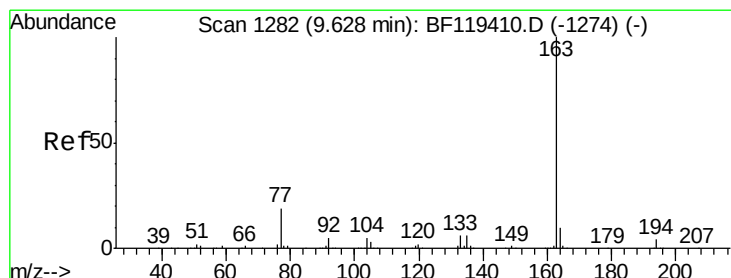
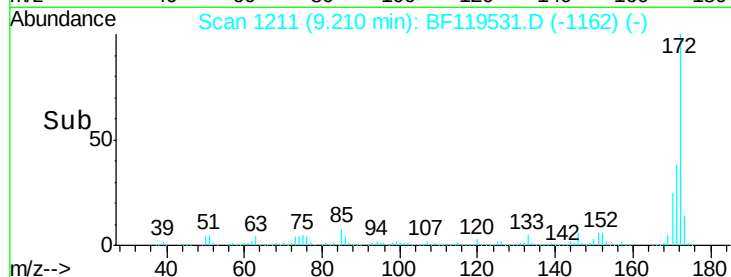
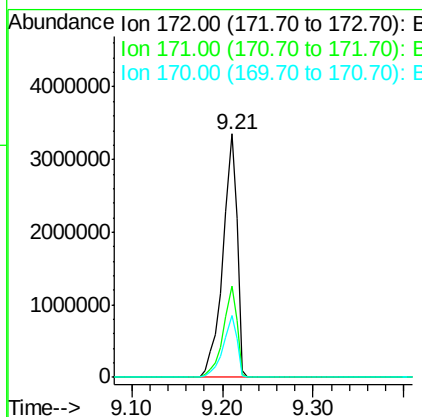
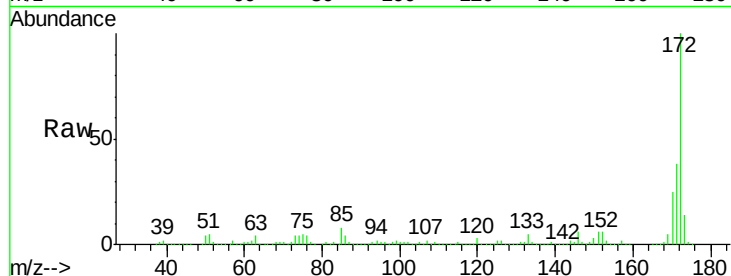


#45
 2-Fluorobiphenyl
 Concen: 97.247 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF119531.D
 Acq: 26 Mar 2020 7:13

Instrument :
 BNA_F
 ClientSampleId :
 SLUDGE-PIT

Tgt Ion:172 Resp: 3585097

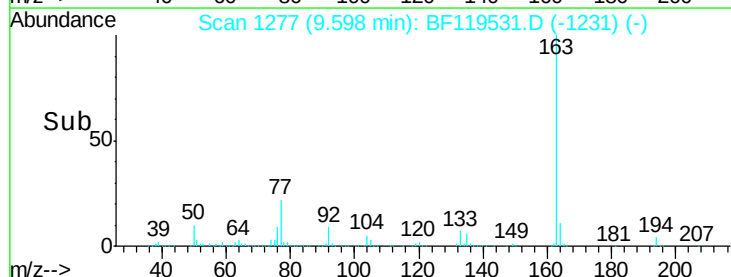
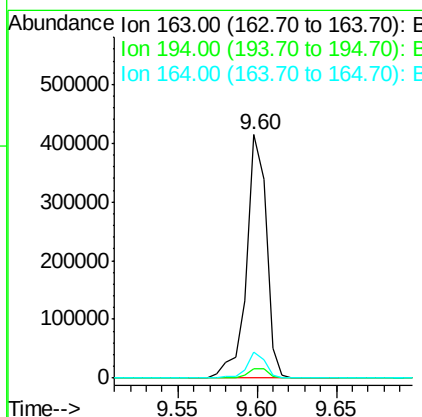
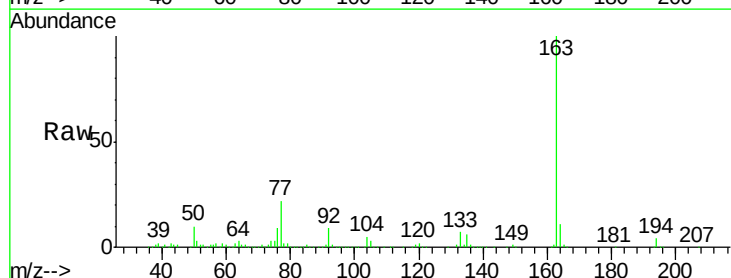
Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.9	44.9
170	25.3	20.1	30.1

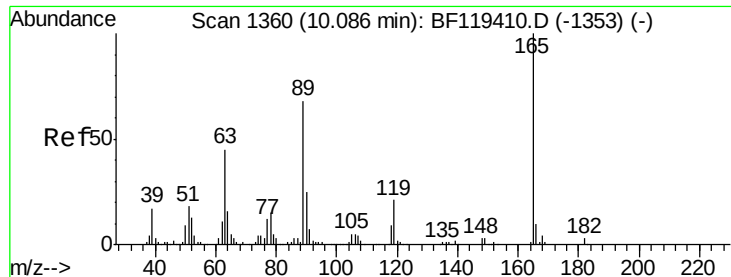


#50
 Dimethylphthalate
 Concen: 9.267 ng
 RT: 9.60 min Scan# 1277
 Delta R.T. -0.03 min
 Lab File: BF119531.D
 Acq: 26 Mar 2020 7:13

Tgt Ion:163 Resp: 359490

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	10.6	8.1	12.1

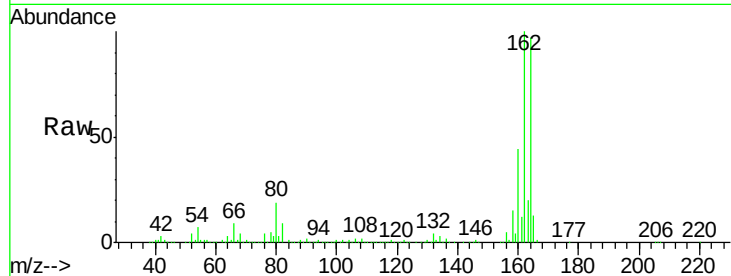




#57
 2,4-Dinitrotoluene
 Concen: 6.734 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.20 min
 Lab File: BF119531.D
 Acq: 26 Mar 2020 7:13

Instrument :
 BNA_F
 ClientSampleId :
 SLUDGE-PIT

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.2	54.4#
89	0.9	54.3	81.5#
182	0.0	2.0	3.0#

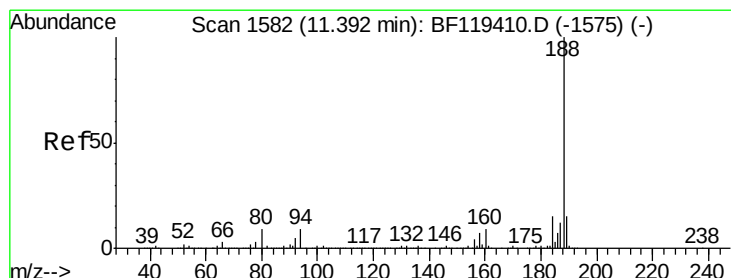
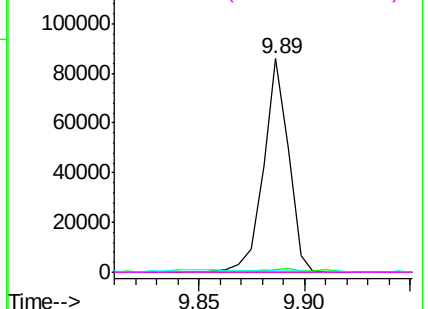
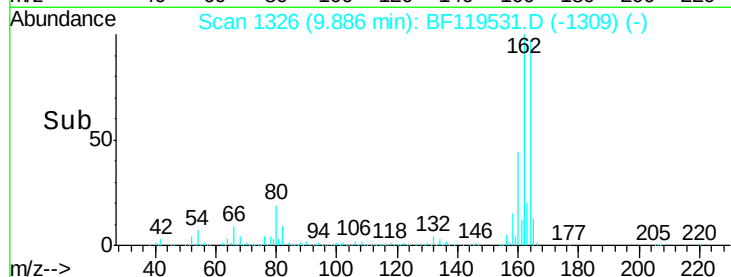


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

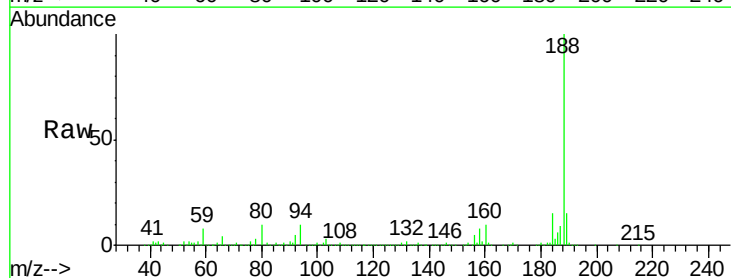
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.02 min
 Lab File: BF119531.D
 Acq: 26 Mar 2020 7:13

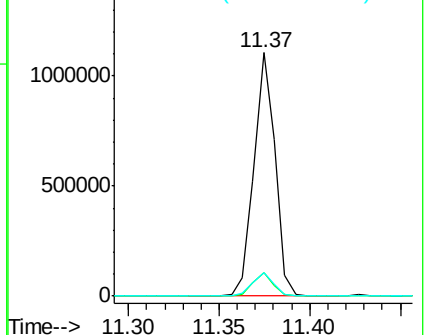
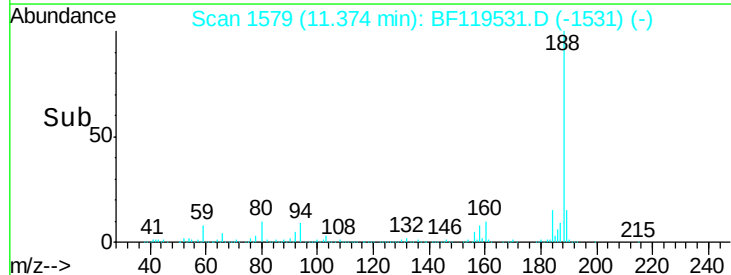
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.1	10.7
80	9.8	7.5	11.3

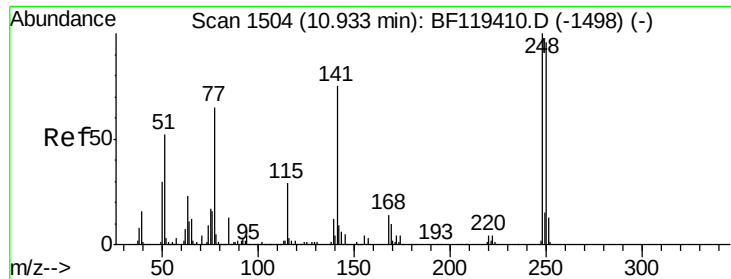


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

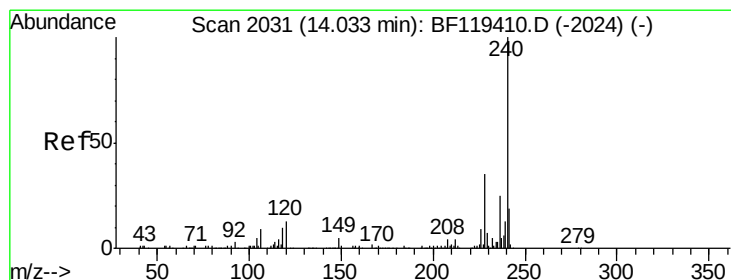
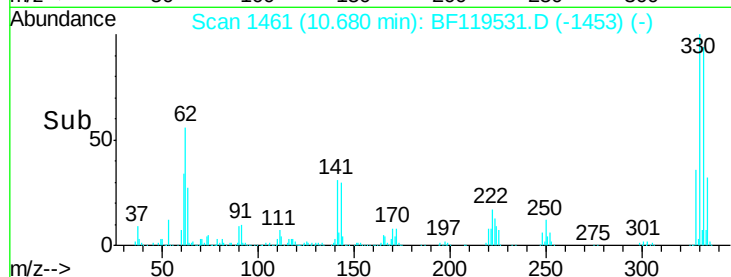
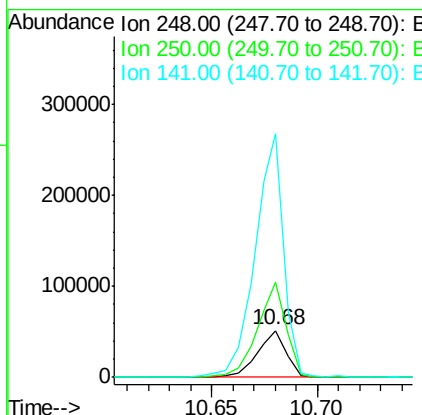
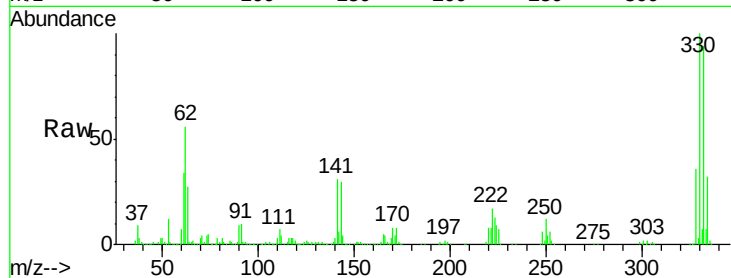




#67
 4-Bromophenyl-phenylether
 Concen: 4.668 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.25 min
 Lab File: BF119531.D
 Acq: 26 Mar 2020 7:13

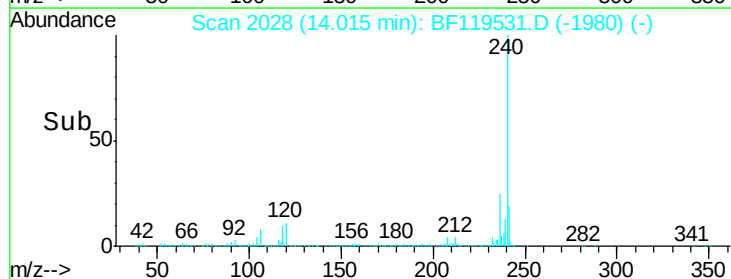
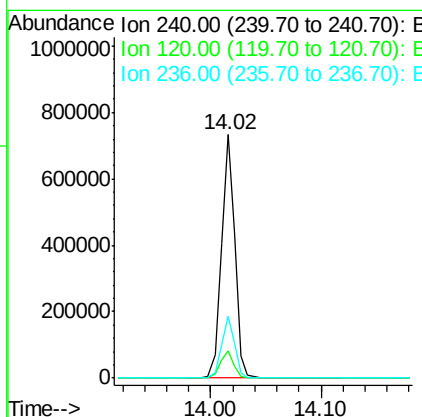
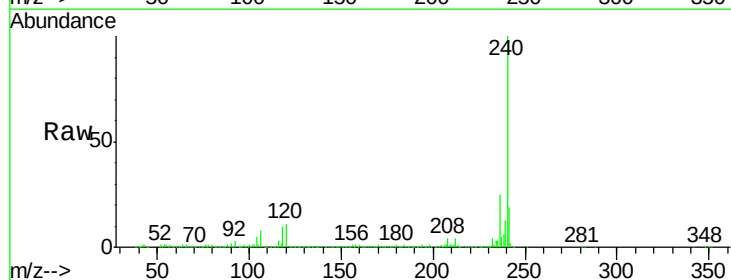
Instrument :
 BNA_F
 ClientSampleId :
 SLUDGE-PIT

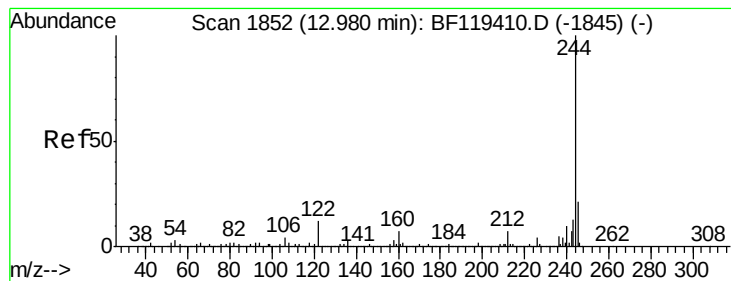
Tgt Ion:248 Resp: 47791
 Ion Ratio Lower Upper
 248 100
 250 205.5 77.0 115.6#
 141 523.9 59.7 89.5#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.02 min
 Lab File: BF119531.D
 Acq: 26 Mar 2020 7:13

Tgt Ion:240 Resp: 615432
 Ion Ratio Lower Upper
 240 100
 120 11.4 10.2 15.4
 236 25.2 20.4 30.6





#79

Terphenyl-d14

Concen: 98.417 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BF119531.D

Acq: 26 Mar 2020 7:13

Instrument :

BNA_F

ClientSampleId :

SLUDGE-PIT

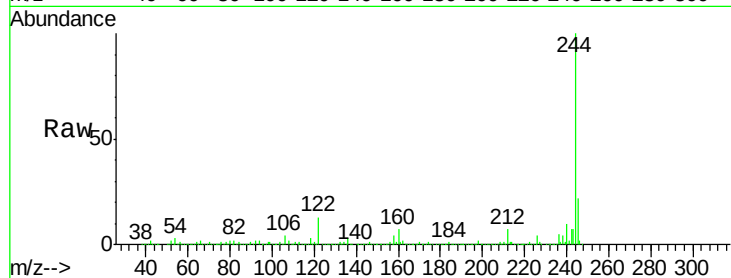
Tgt Ion:244 Resp: 3091508

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

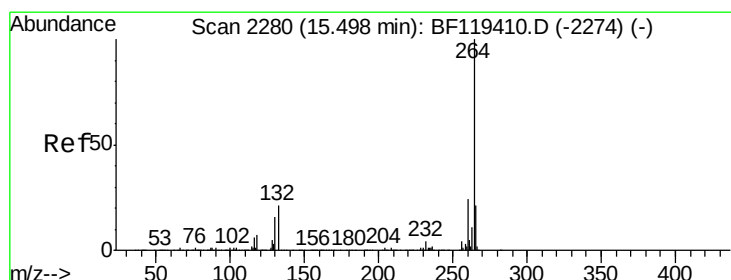
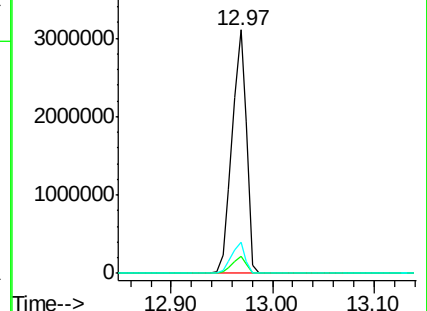
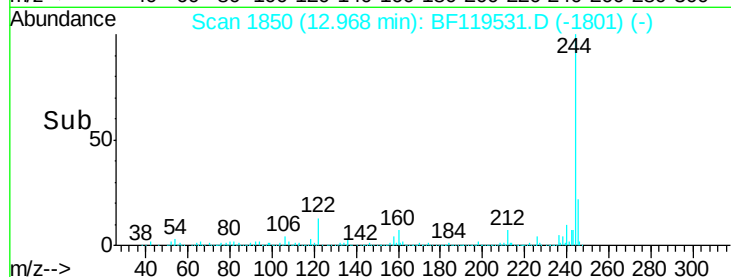
122 12.7 9.8 14.8



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: 15.49 min Scan# 2278

Delta R.T. -0.01 min

Lab File: BF119531.D

Acq: 26 Mar 2020 7:13

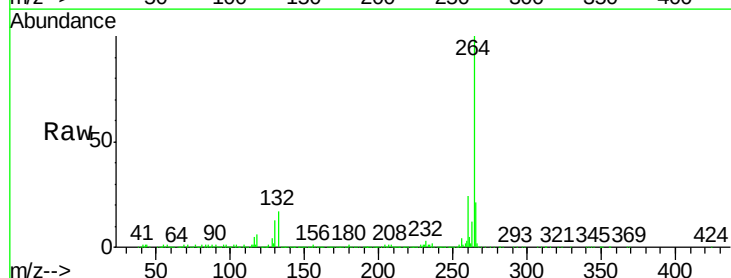
Tgt Ion:264 Resp: 628045

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.5 16.9 25.3



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

