

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031920\
 Data File : BF119455.D
 Acq On : 19 Mar 2020 23:21
 Operator : CG/JU
 Sample : L1980-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHASSIS-WASH-SLUDGE-PIT

Quant Time: Mar 20 03:51:56 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	336290	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1244400	20.00	ng	-0.01
39) Acenaphthene-d10	9.89	164	597518	20.00	ng	-0.01
64) Phenanthrene-d10	11.38	188	937118	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	563130	20.00	ng	0.00
87) Perylene-d12	15.50	264	617288	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	2507284	118.69	ng	0.02
7) Phenol-d6	6.48	99	3020533	111.93	ng	0.00
23) Nitrobenzene-d5	7.42	82	2087487	91.17	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	766689	124.37	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	3507159	86.96	ng	0.00
79) Terphenyl-d14	12.97	244	2891038	100.58	ng	0.00

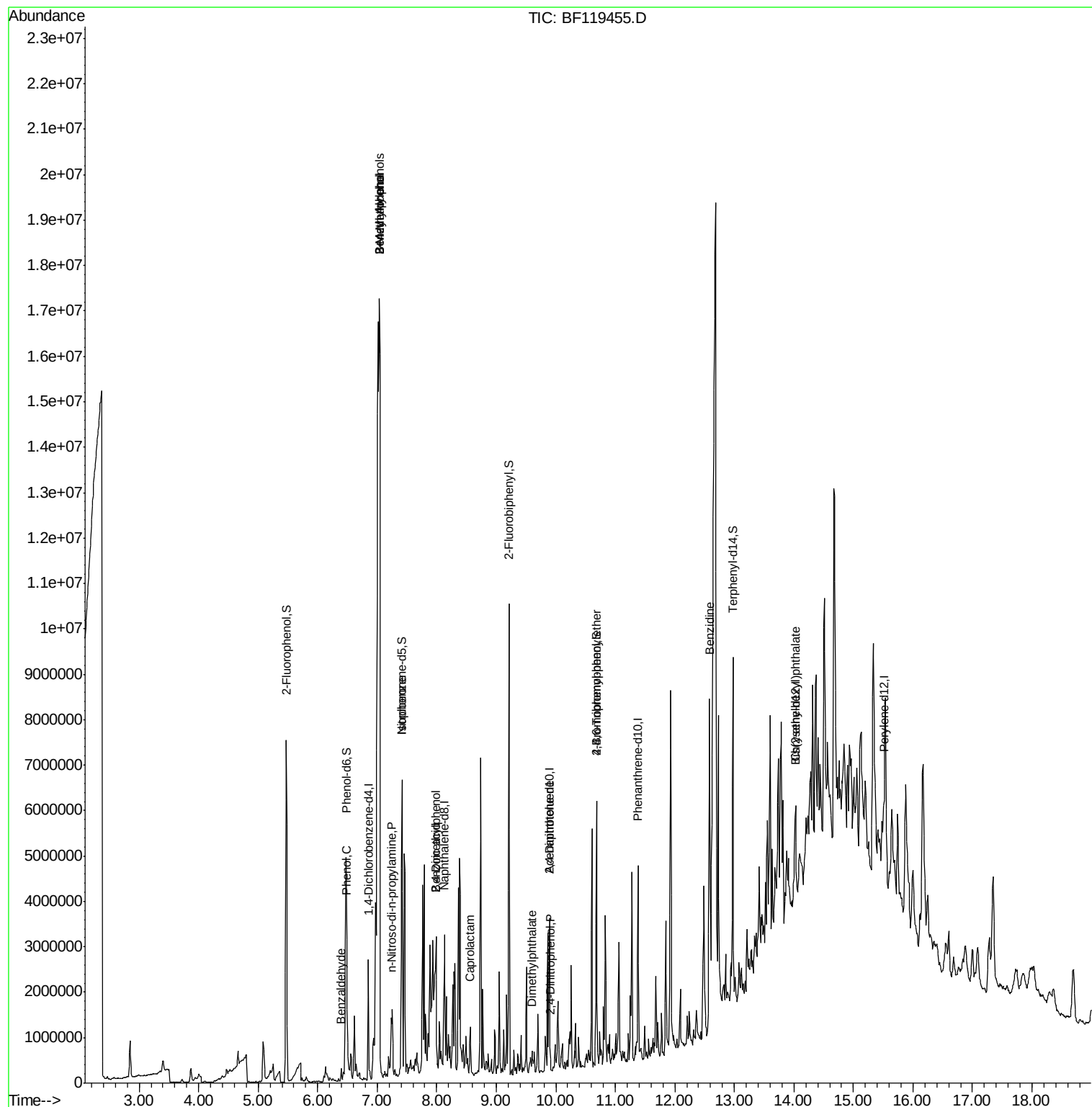
Target Compounds						Qvalue
9) Benzaldehyde	6.40	77	47231	2.76	ng	96
10) Phenol	6.49	94	133957	4.65	ng	# 53
15) Benzyl Alcohol	7.04	79	8895188	438.20	ng	97
17) 2-Methylphenol	7.05	107	4870909	239.61	ng	# 17
19) n-Nitroso-di-n-propylamine	7.23	70	80087	4.92	ng	# 55
20) 3+4-Methylphenols	7.05	107	4838552	194.21	ng	# 10
25) Isophorone	7.42	82	2078901	44.76	ng	# 66
27) 2,4-Dimethylphenol	7.98	122	2016424	101.22	ng	# 5
32) Benzoic acid	7.98	122	2016424	157.35	ng	97
35) Caprolactam	8.56	113	14802	2.47	ng	# 1
50) Dimethylphthalate	9.60	163	143483	3.38	ng	99
54) 2,4-Dinitrophenol	9.92	184	123	7.30	ng	# 1
57) 2,4-Dinitrotoluene	9.89	165	79229	6.91	ng	# 26
67) 4-Bromophenyl-phenylether	10.69	248	46726	4.38	ng	# 1
77) Benzidine	12.58	184	3441459	144.41	ng	# 87
84) Bis(2-ethylhexyl)phthalate	14.02	149	343812	15.43	ng	100

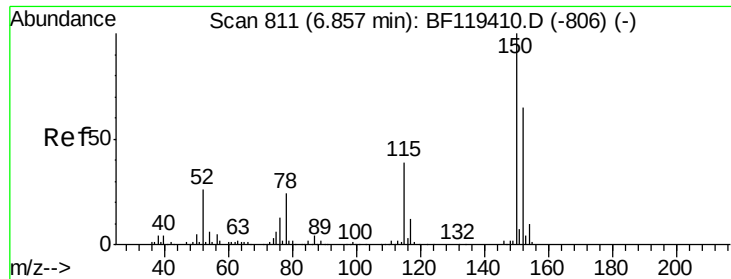
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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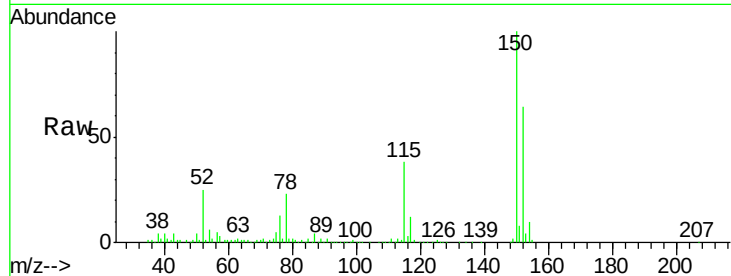


#1

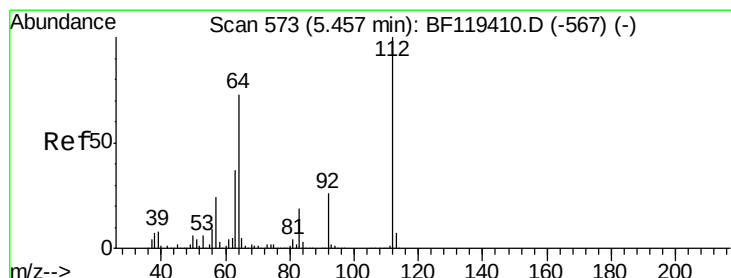
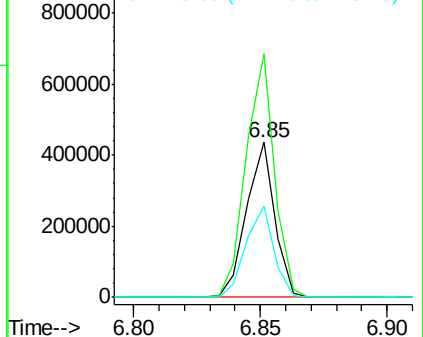
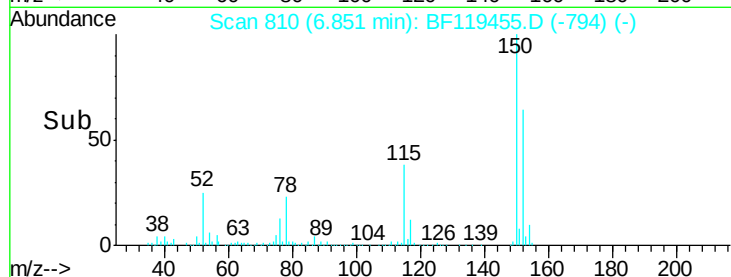
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF119455.D
Acq: 19 Mar 2020 23:21

Instrument :
BNA_F
ClientSampleId :
CHASSIS-WASH-SLUDGE-PIT

Tgt Ion:152 Resp: 336290
Ion Ratio Lower Upper
152 100
150 157.3 123.9 185.9
115 59.3 47.8 71.6



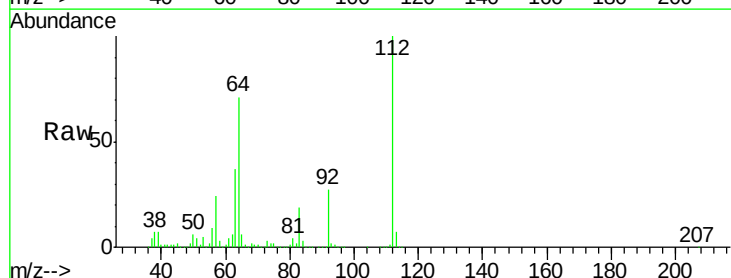
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



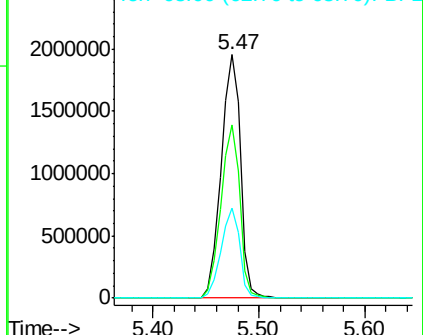
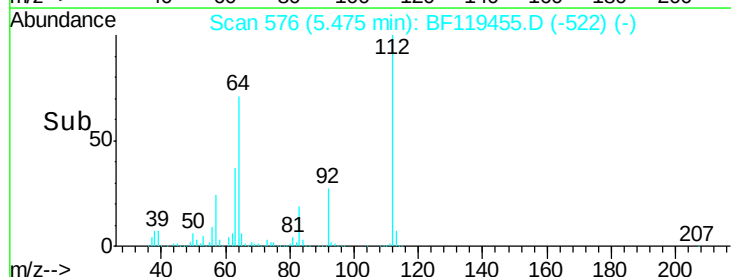
#5

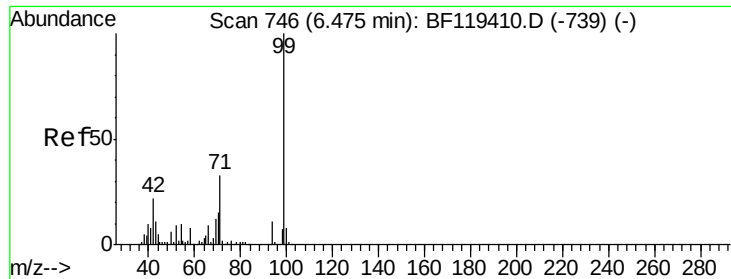
2-Fluorophenol
Concen: 118.69 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.02 min
Lab File: BF119455.D
Acq: 19 Mar 2020 23:21

Tgt Ion:112 Resp: 2507284
Ion Ratio Lower Upper
112 100
64 71.0 58.1 87.1
63 37.0 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: 111.93 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF119455.D

Acq: 19 Mar 2020 23:21

Instrument :

BNA_F

ClientSampleId :

CHASSIS-WASH-SLUDGE-PIT

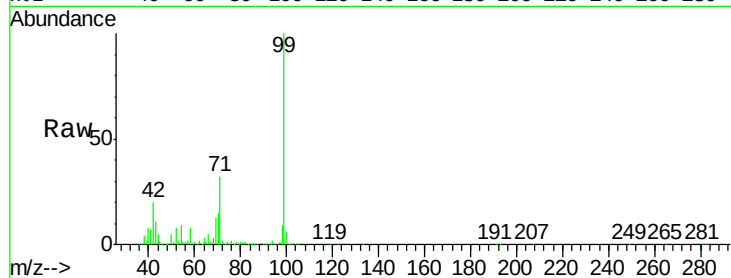
Tgt Ion: 99 Resp: 3020533

Ion Ratio Lower Upper

99 100

42 20.5 17.8 26.6

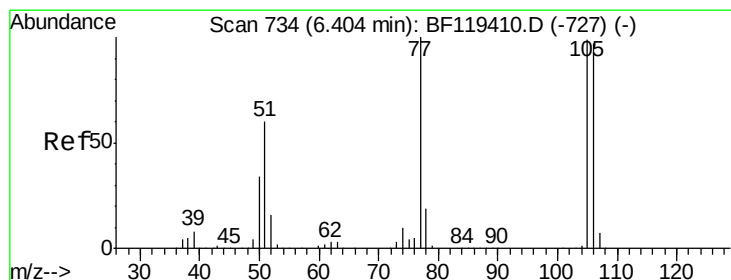
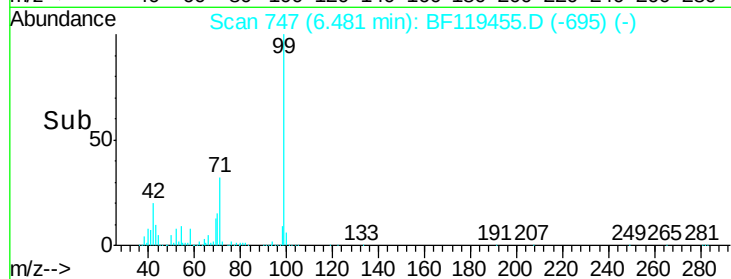
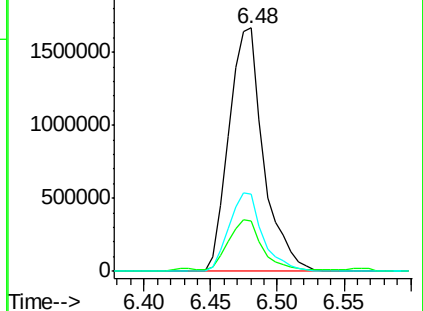
71 31.8 26.0 39.0



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



#9

Benzaldehyde

Concen: 2.76 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF119455.D

Acq: 19 Mar 2020 23:21

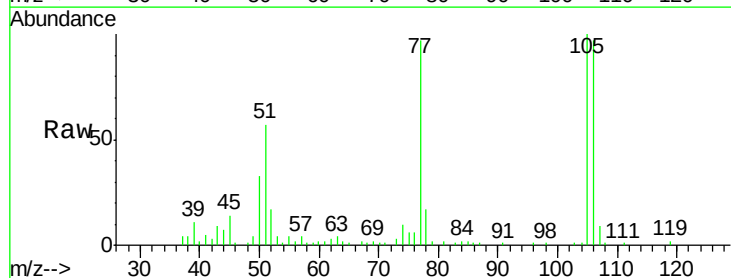
Tgt Ion: 77 Resp: 47231

Ion Ratio Lower Upper

77 100

105 103.2 78.6 118.6

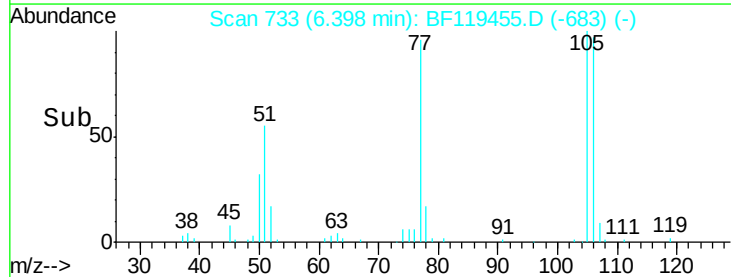
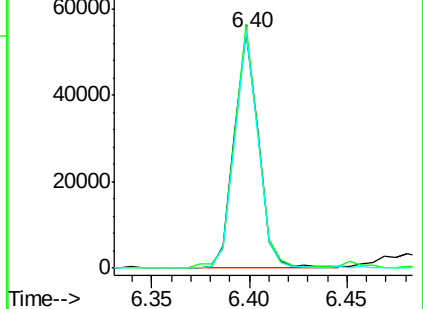
106 100.4 76.5 116.5

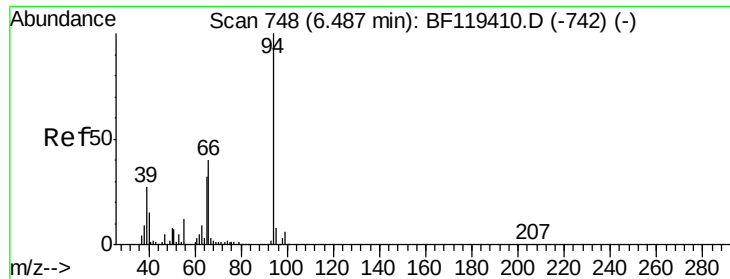


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 4.65 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF119455.D

Acq: 19 Mar 2020 23:21

Instrument :

BNA_F

ClientSampleId :

CHASSIS-WASH-SLUDGE-PIT

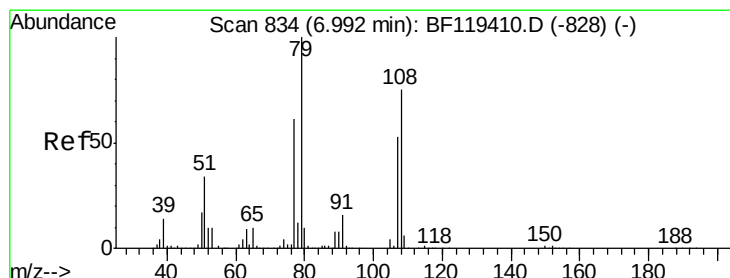
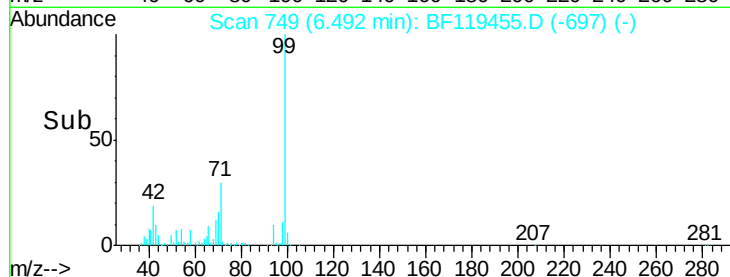
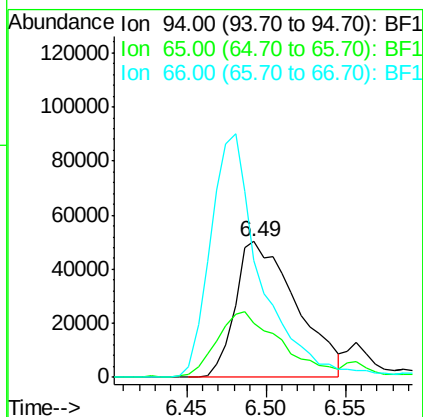
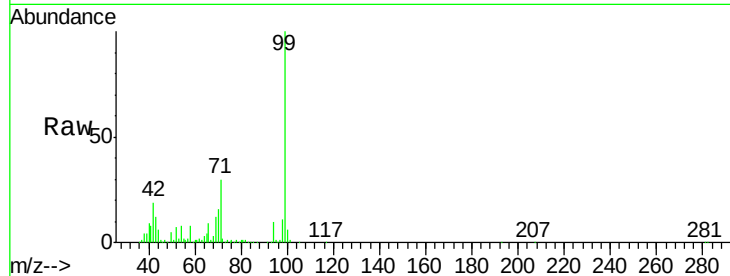
Tgt Ion: 94 Resp: 133957

Ion Ratio Lower Upper

94 100

65 40.2 12.0 52.0

66 86.0 20.6 60.6#



#15

Benzyl Alcohol

Concen: 438.20 ng

RT: 7.04 min Scan# 842

Delta R.T. 0.05 min

Lab File: BF119455.D

Acq: 19 Mar 2020 23:21

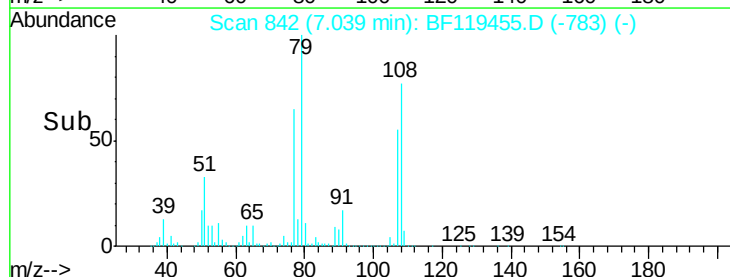
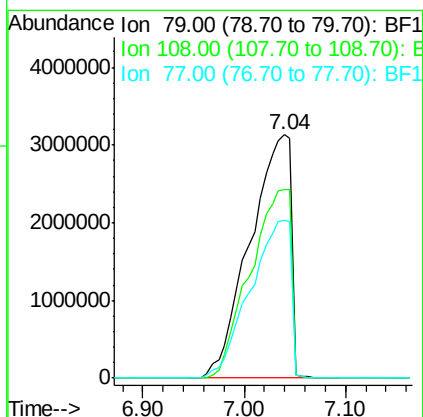
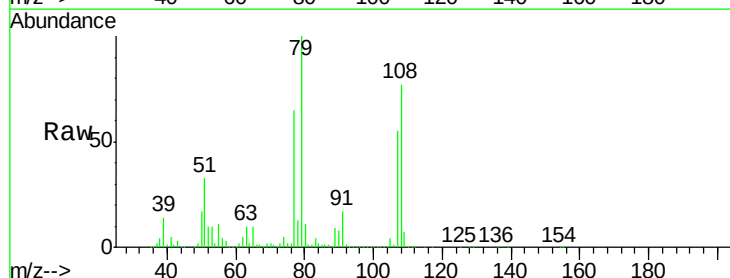
Tgt Ion: 79 Resp: 8895188

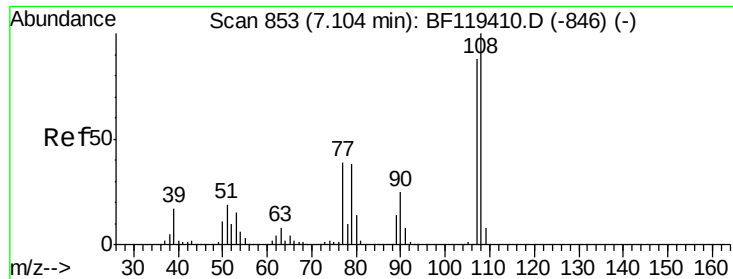
Ion Ratio Lower Upper

79 100

108 77.3 60.4 90.6

77 65.0 49.0 73.4

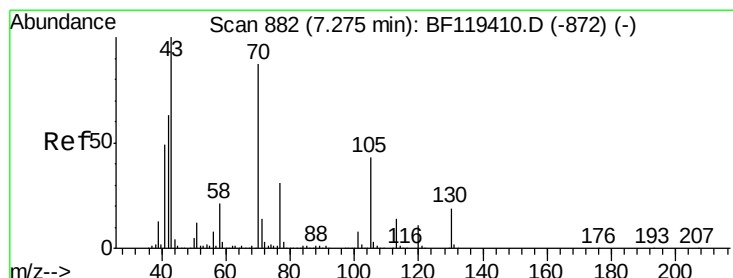
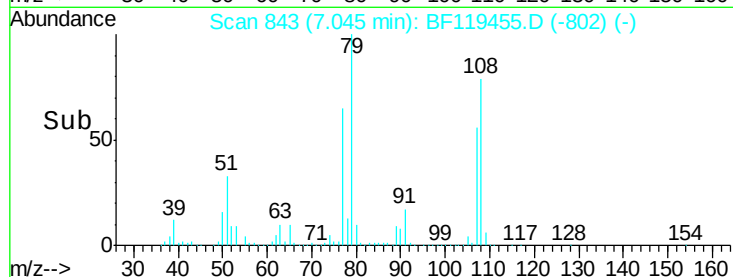
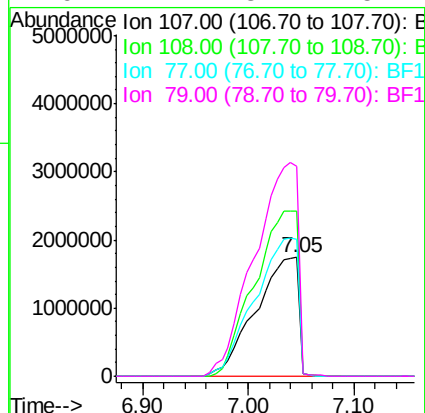
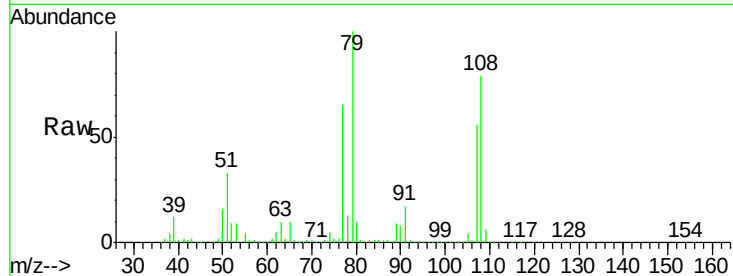




#17
2-Methylphenol
Concen: 239.61 ng
RT: 7.05 min Scan# 843
Delta R.T. -0.06 min
Lab File: BF119455.D
Acq: 19 Mar 2020 23:21

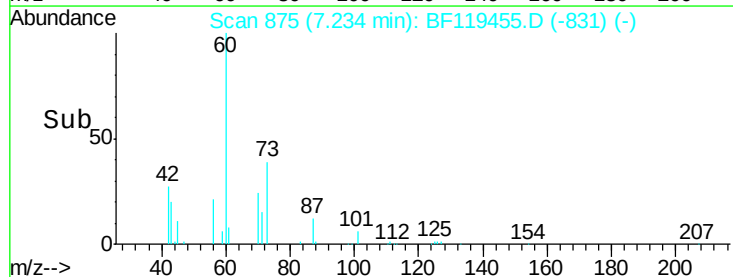
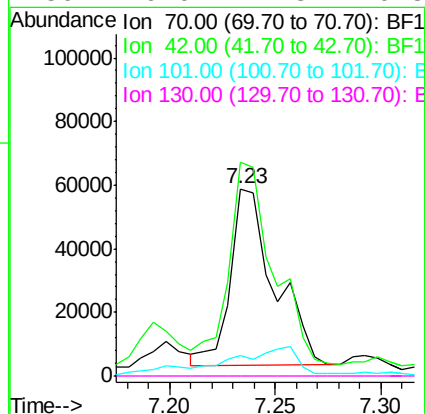
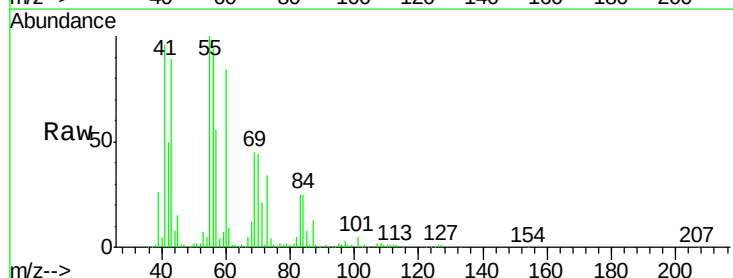
Instrument :
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CHASSIS-WASH-SLUDGE-PIT

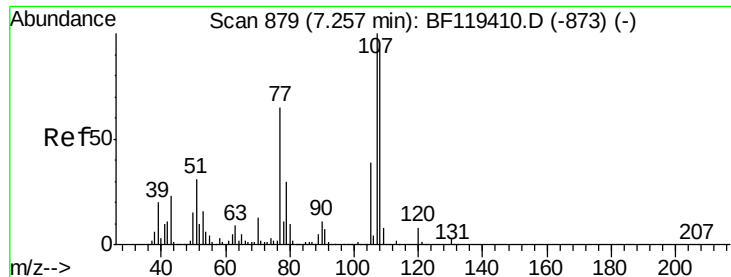
Tgt Ion:107 Resp: 4870909
Ion Ratio Lower Upper
107 100
108 139.4 90.7 136.1#
77 115.3 35.6 53.4#
79 177.1 34.7 52.1#



#19
n-Nitroso-di-n-propylamine
Concen: 4.92 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.04 min
Lab File: BF119455.D
Acq: 19 Mar 2020 23:21

Tgt Ion: 70 Resp: 80087
Ion Ratio Lower Upper
70 100
42 114.1 58.2 87.4#
101 11.2 7.4 11.2#
130 0.0 17.8 26.8#

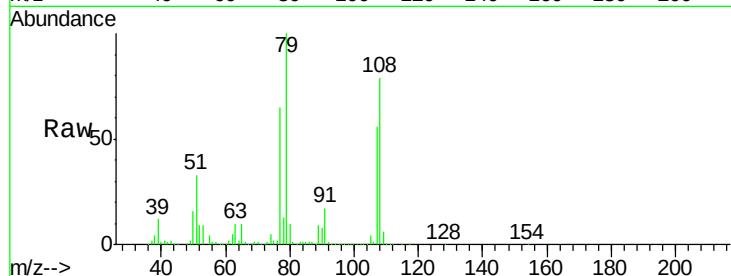




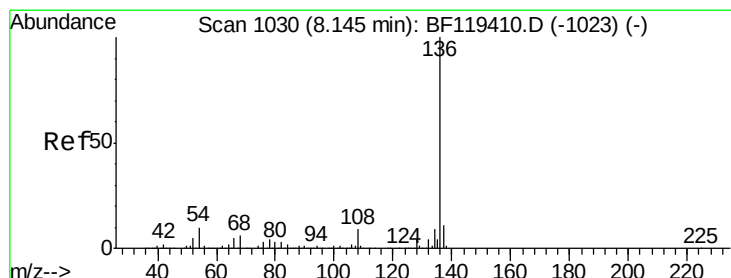
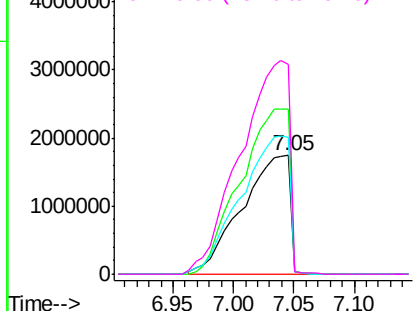
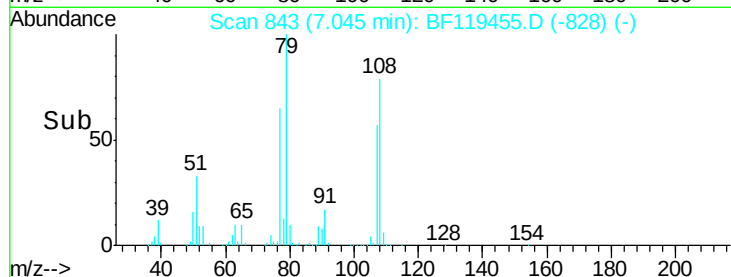
#20
3+4-Methylphenols
Concen: 194.21 ng
RT: 7.05 min Scan# 843
Delta R.T. -0.21 min
Lab File: BF119455.D
Acq: 19 Mar 2020 23:21

Instrument :
BNA_F
ClientSampleId :
CHASSIS-WASH-SLUDGE-PIT

Tgt Ion:107 Resp: 4838552
Ion Ratio Lower Upper
107 100
108 139.4 72.6 112.6#
77 115.3 44.7 84.7#
79 177.1 10.2 50.2#

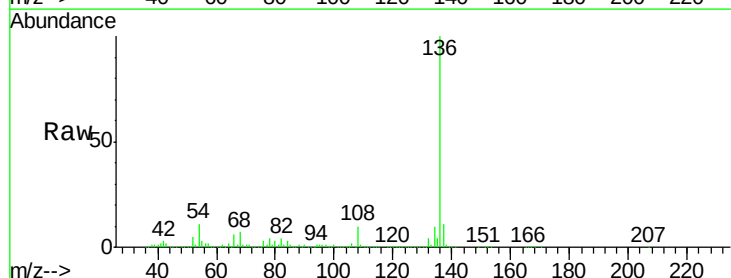


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

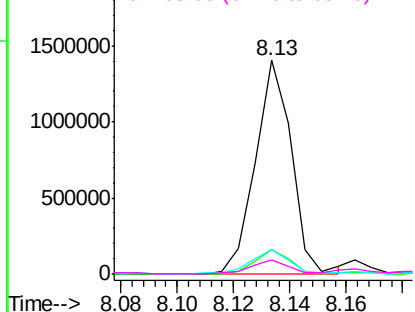
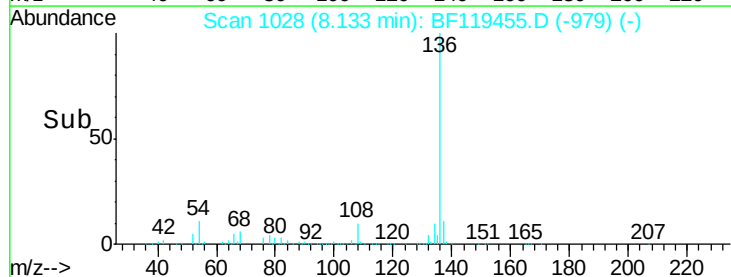


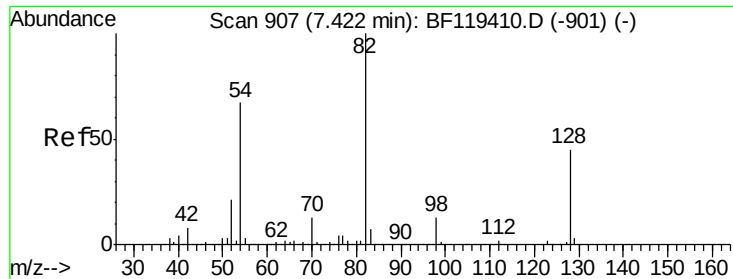
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF119455.D
Acq: 19 Mar 2020 23:21

Tgt Ion:136 Resp: 1244400
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 11.2 8.3 12.5
68 6.7 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

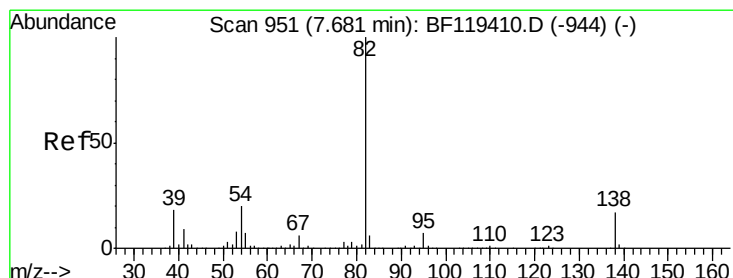
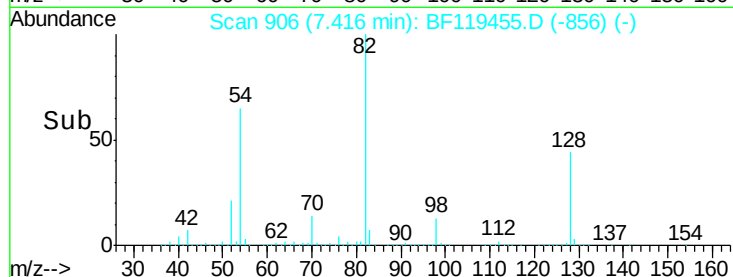
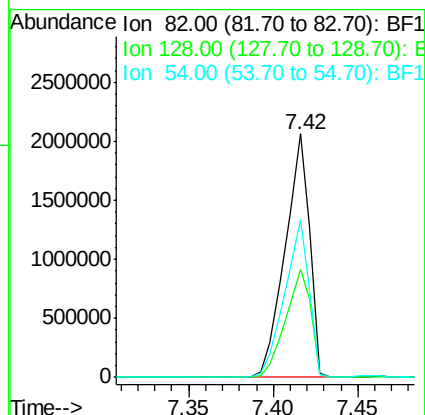
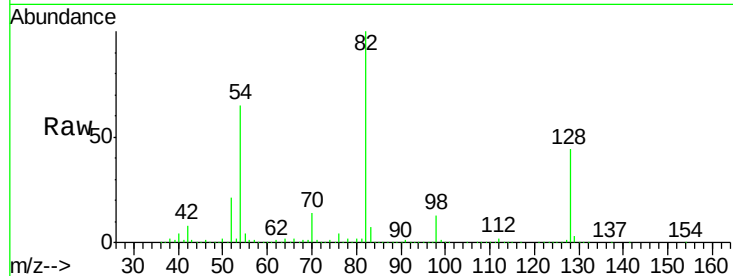




#23
 Nitrobenzene-d5
 Concen: 91.17 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: BF119455.D
 Acq: 19 Mar 2020 23:21

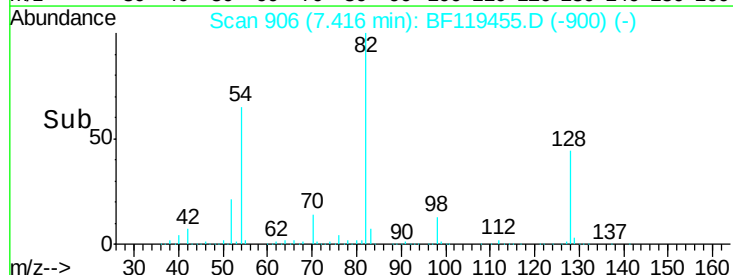
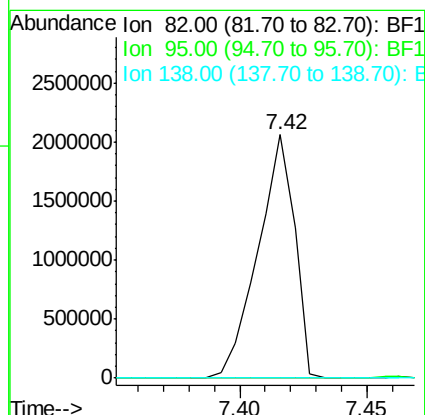
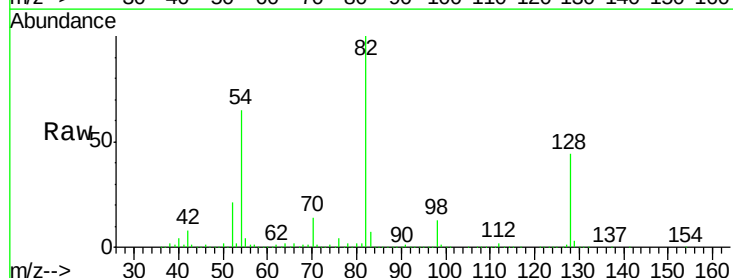
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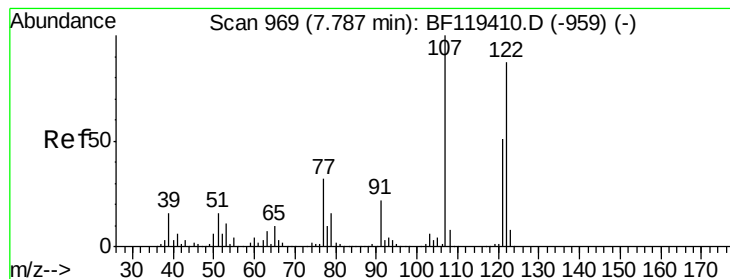
Tgt Ion: 82 Resp: 2087487
 Ion Ratio Lower Upper
 82 100
 128 44.1 35.8 53.8
 54 64.9 53.4 80.0



#25
 Isophorone
 Concen: 44.76 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.26 min
 Lab File: BF119455.D
 Acq: 19 Mar 2020 23:21

Tgt Ion: 82 Resp: 2078901
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.4 8.2#
 138 0.0 13.8 20.8#





#27

2,4-Dimethylphenol

Concen: 101.22 ng

RT: 7.98 min Scan# 1002

Delta R.T. 0.19 min

Lab File: BF119455.D

Acq: 19 Mar 2020 23:21

Instrument :

BNA_F

ClientSampleId :

CHASSIS-WASH-SLUDGE-PIT

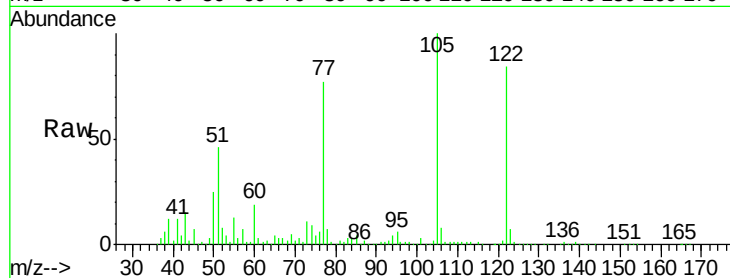
Tgt Ion:122 Resp: 2016424

Ion Ratio Lower Upper

122 100

107 1.7 91.8 137.6#

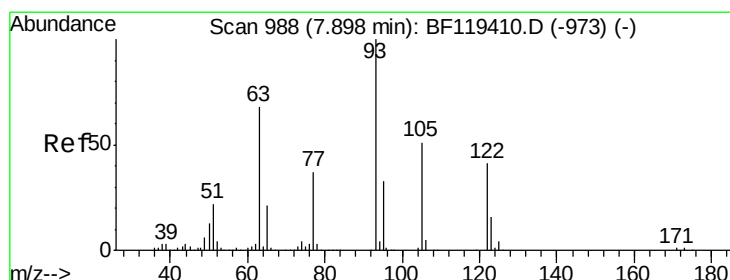
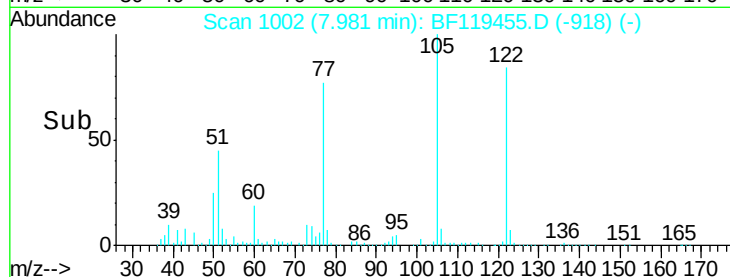
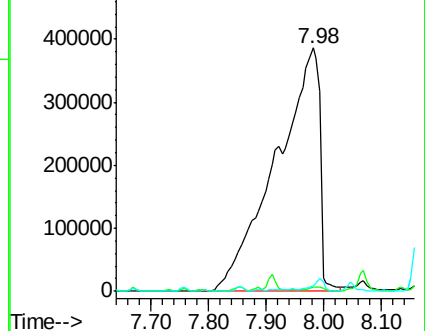
121 2.4 46.5 69.7#



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: 157.35 ng

RT: 7.98 min Scan# 1002

Delta R.T. 0.08 min

Lab File: BF119455.D

Acq: 19 Mar 2020 23:21

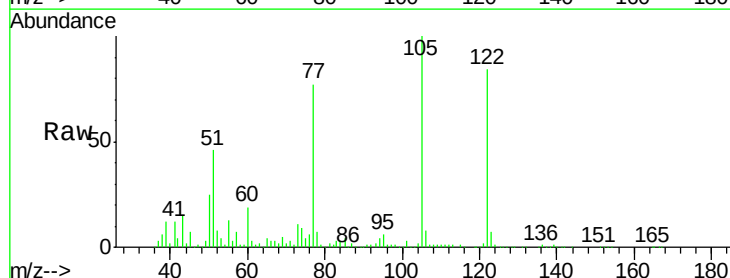
Tgt Ion:122 Resp: 2016424

Ion Ratio Lower Upper

122 100

105 119.0 102.9 142.9

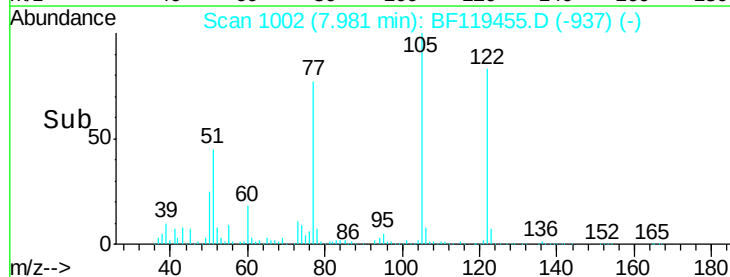
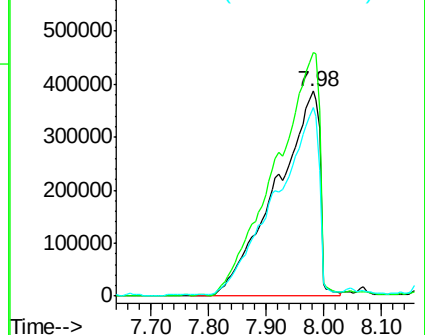
77 91.9 70.1 110.1

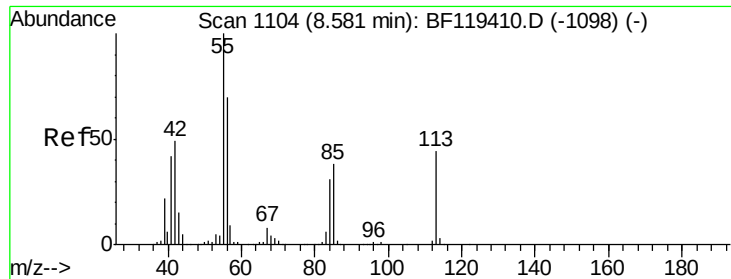


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

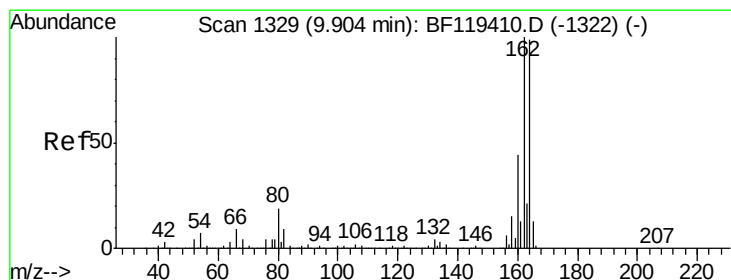
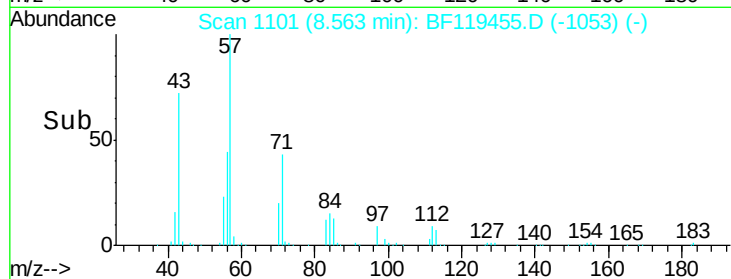
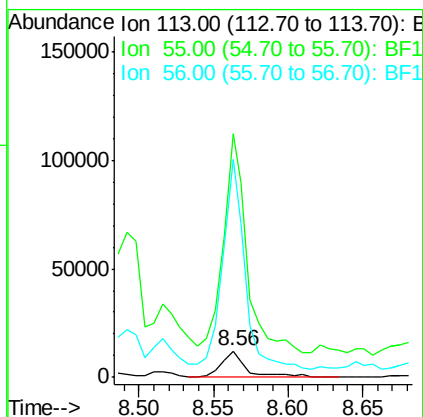
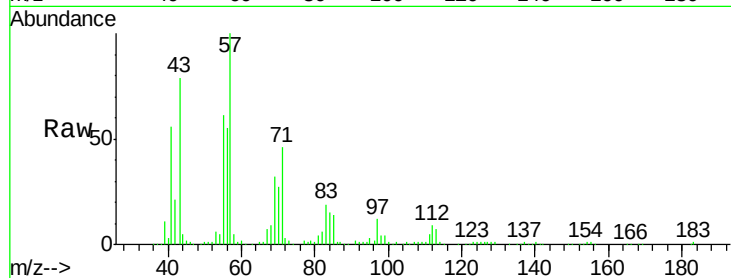




#35
 Caprolactam
 Concen: 2.47 ng
 RT: 8.56 min Scan# 1101
 Delta R.T. -0.02 min
 Lab File: BF119455.D
 Acq: 19 Mar 2020 23:21

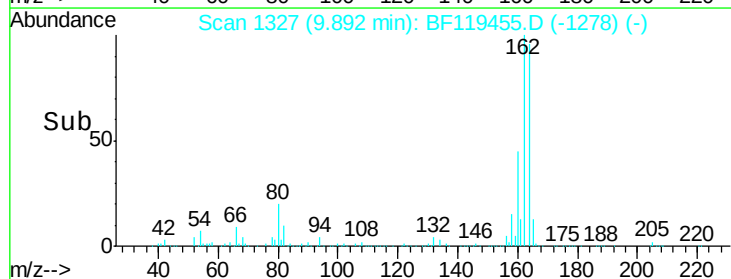
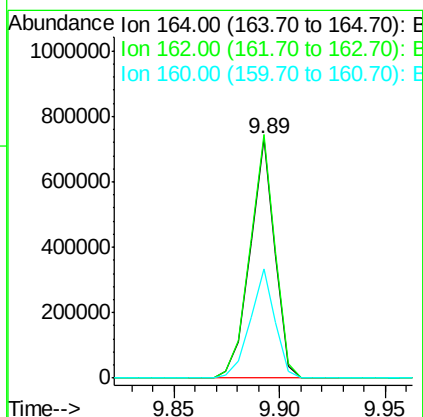
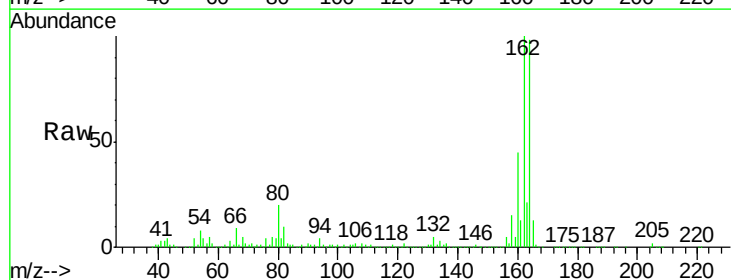
Instrument :
 BNA_F
 ClientSampleId :
 CHASSIS-WASH-SLUDGE-PIT

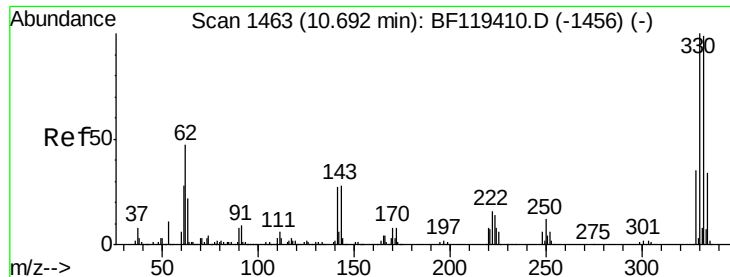
Tgt Ion:113 Resp: 14802
 Ion Ratio Lower Upper
 113 100
 55 935.4 208.4 248.4#
 56 837.2 138.9 178.9#



#39
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF119455.D
 Acq: 19 Mar 2020 23:21

Tgt Ion:164 Resp: 597518
 Ion Ratio Lower Upper
 164 100
 162 101.6 80.7 121.1
 160 45.8 35.5 53.3





#42

2,4,6-Tribromophenol

Concen: 124.37 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.01 min

Lab File: BF119455.D

Acq: 19 Mar 2020 23:21

Instrument :

BNA_F

ClientSampleId :

CHASSIS-WASH-SLUDGE-PIT

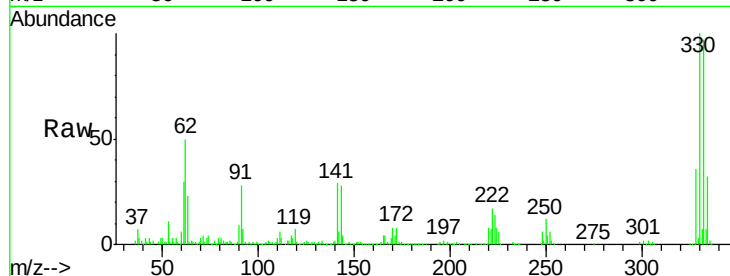
Tgt Ion:330 Resp: 766689

Ion Ratio Lower Upper

330 100

332 96.0 77.6 116.4

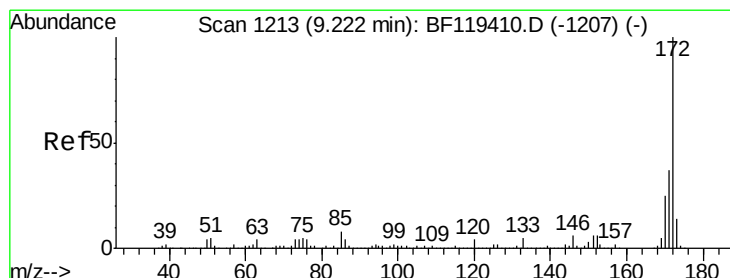
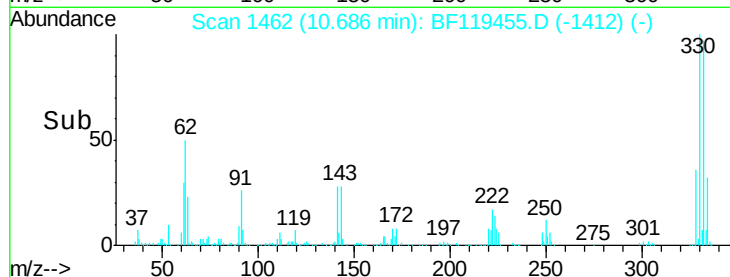
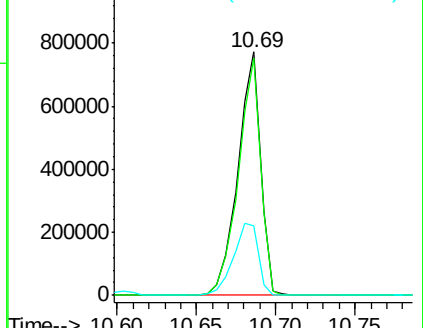
141 32.3 26.6 40.0



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: 86.96 ng

RT: 9.22 min Scan# 1212

Delta R.T. -0.01 min

Lab File: BF119455.D

Acq: 19 Mar 2020 23:21

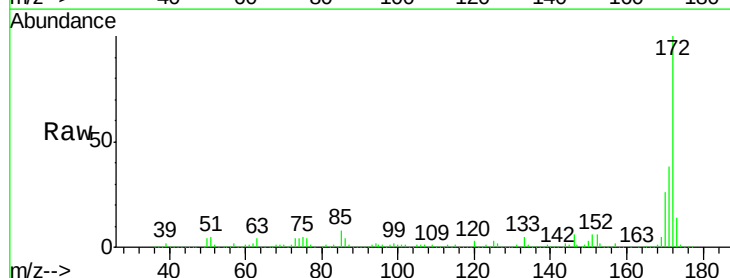
Tgt Ion:172 Resp: 3507159

Ion Ratio Lower Upper

172 100

171 38.1 29.9 44.9

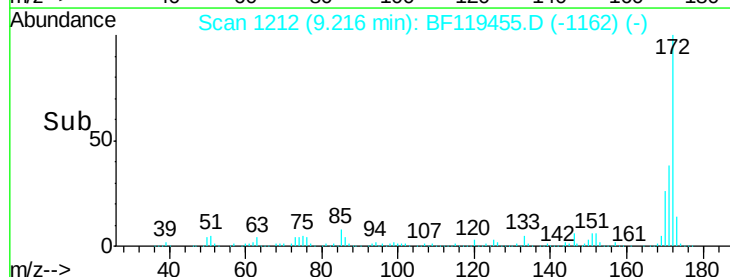
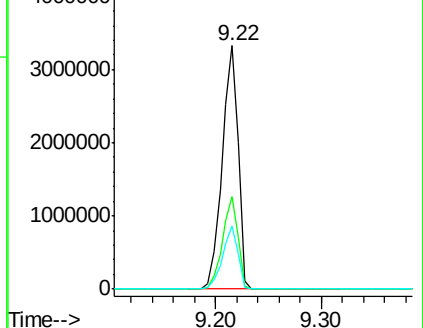
170 25.7 20.1 30.1

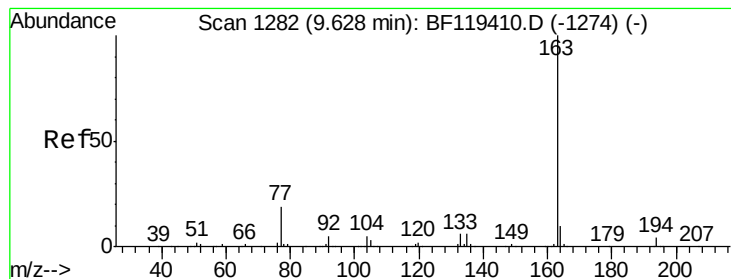


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.38 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.02 min

Lab File: BF119455.D

Acq: 19 Mar 2020 23:21

Instrument :

BNA_F

ClientSampleId :

CHASSIS-WASH-SLUDGE-PIT

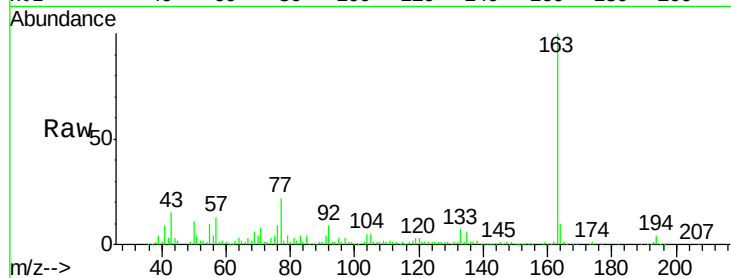
Tgt Ion:163 Resp: 143483

Ion Ratio Lower Upper

163 100

194 4.2 3.2 4.8

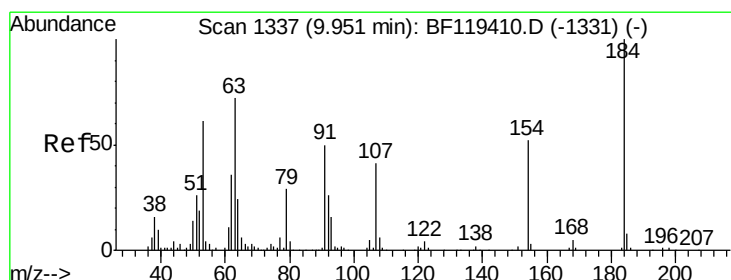
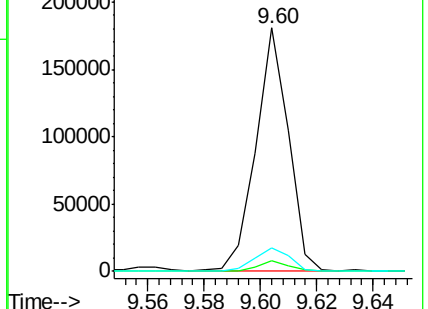
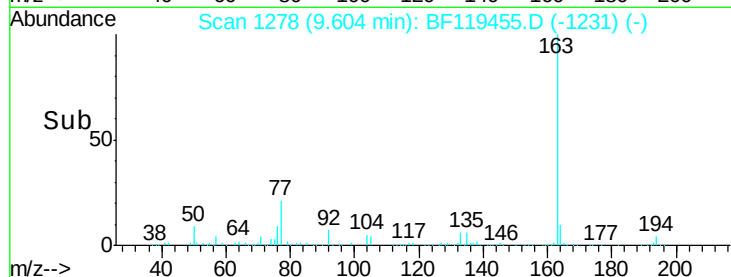
164 9.8 8.1 12.1



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



#54

2,4-Dinitrophenol

Concen: 7.30 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.04 min

Lab File: BF119455.D

Acq: 19 Mar 2020 23:21

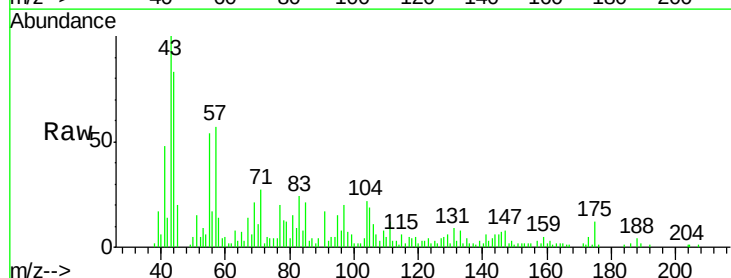
Tgt Ion:184 Resp: 123

Ion Ratio Lower Upper

184 100

63 689.9 58.5 87.7#

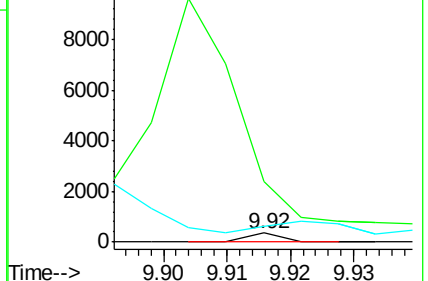
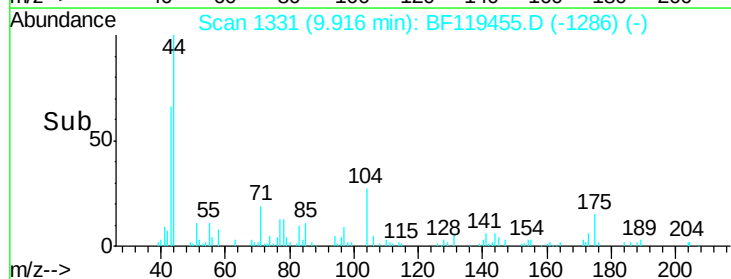
154 185.6 51.8 77.6#

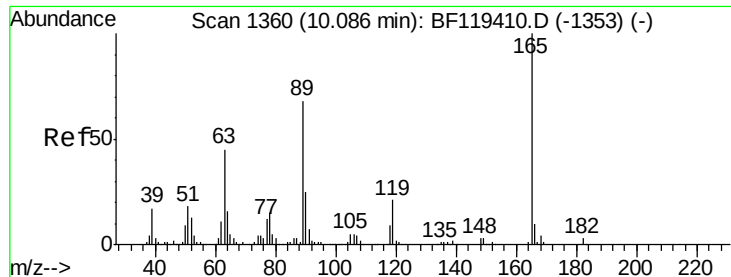


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#57

2,4-Dinitrotoluene

Concen: 6.91 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.19 min

Lab File: BF119455.D

Acq: 19 Mar 2020 23:21

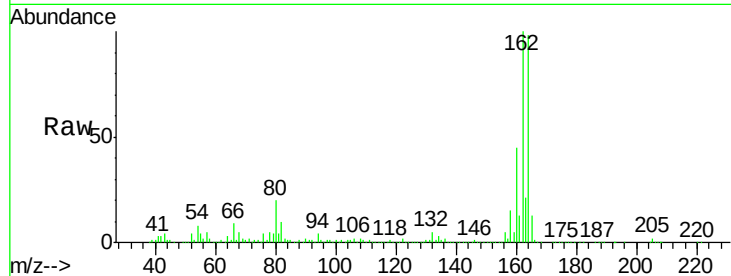
Instrument :

BNA_F

ClientSampleId :

CHASSIS-WASH-SLUDGE-PIT

Tgt Ion:	165	Resp:	79229
Ion Ratio	Lower	Upper	
165	100		
63	2.6	36.2	54.4#
89	1.9	54.3	81.5#
182	0.4	2.0	3.0#

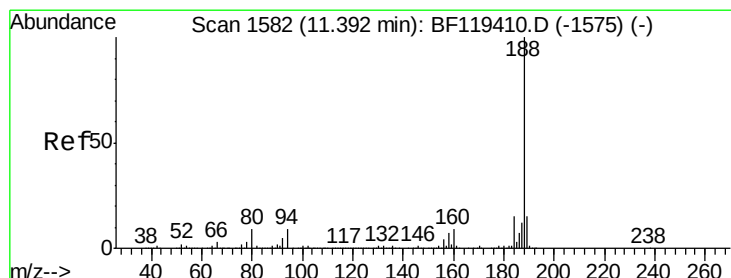
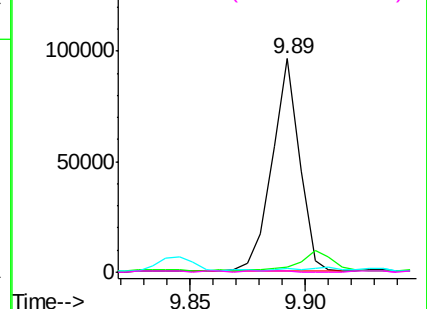
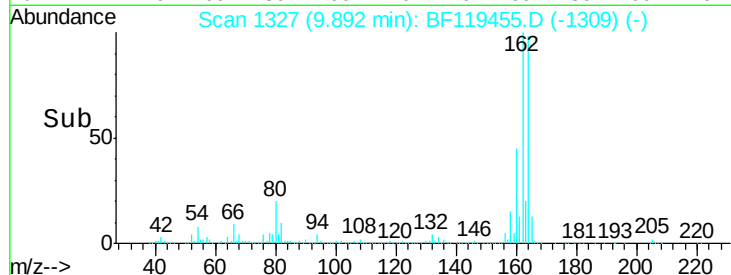


Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.00 ng

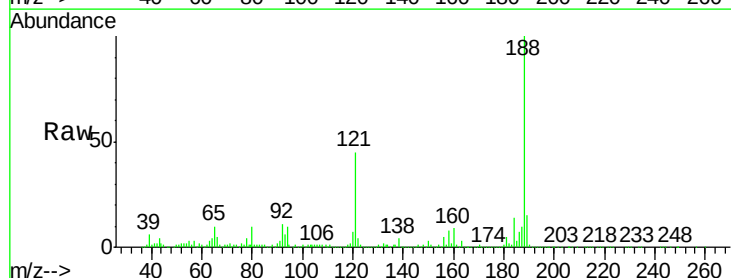
RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF119455.D

Acq: 19 Mar 2020 23:21

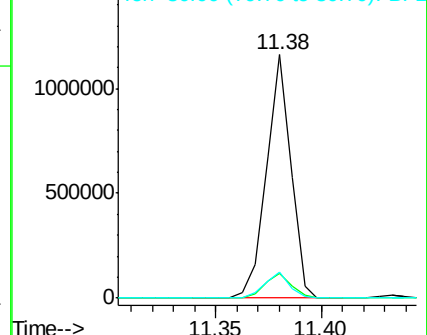
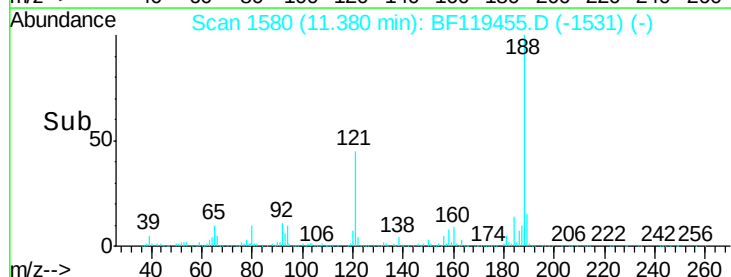
Tgt Ion:	188	Resp:	937118
Ion Ratio	Lower	Upper	
188	100		
94	10.1	7.1	10.7
80	10.4	7.5	11.3

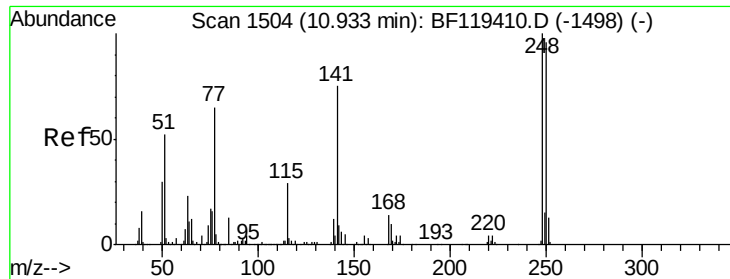


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

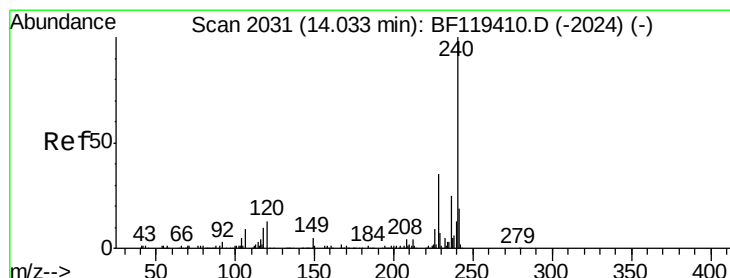
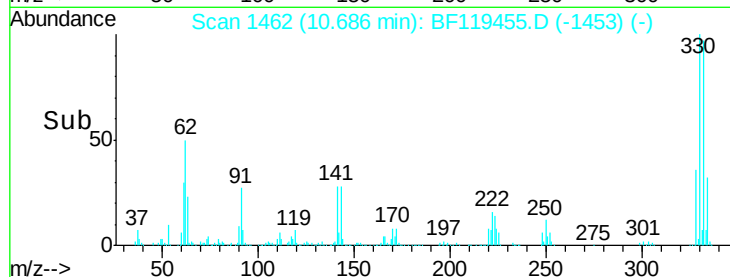
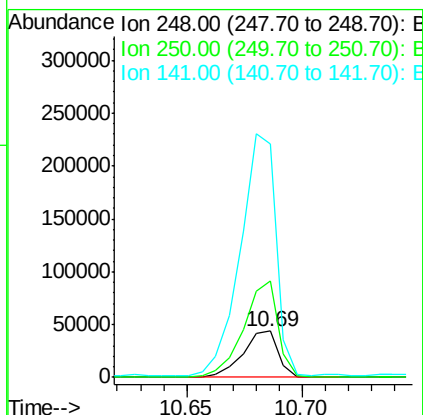
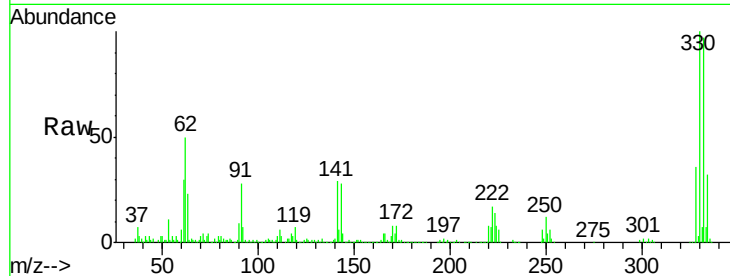




#67
 4-Bromophenyl-phenylether
 Concen: 4.38 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.25 min
 Lab File: BF119455.D
 Acq: 19 Mar 2020 23:21

Instrument :
 BNA_F
 ClientSampleId :
 CHASSIS-WASH-SLUDGE-PIT

Tgt Ion:248 Resp: 46726
 Ion Ratio Lower Upper
 248 100
 250 208.4 77.0 115.6#
 141 503.7 59.7 89.5#



#76
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF119455.D
 Acq: 19 Mar 2020 23:21

Tgt Ion:240 Resp: 563130
 Ion Ratio Lower Upper
 240 100
 120 11.4 10.2 15.4
 236 25.9 20.4 30.6

