

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031920\
 Data File : BF119454.D
 Acq On : 19 Mar 2020 22:51
 Operator : CG/JU
 Sample : L1980-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Mar 20 03:51:38 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	325145	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1247637	20.00	ng	-0.01
39) Acenaphthene-d10	9.89	164	619008	20.00	ng	-0.01
64) Phenanthrene-d10	11.38	188	1038419	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	571442	20.00	ng	-0.01
87) Perylene-d12	15.49	264	672498	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	2271245	111.20	ng	0.02
7) Phenol-d6	6.47	99	2587682	99.18	ng	0.00
23) Nitrobenzene-d5	7.41	82	1929350	84.04	ng	-0.01
42) 2,4,6-Tribromophenol	10.68	330	738306	115.61	ng	-0.01
45) 2-Fluorobiphenyl	9.22	172	3308692	79.19	ng	0.00
79) Terphenyl-d14	12.97	244	2429316	83.29	ng	-0.01

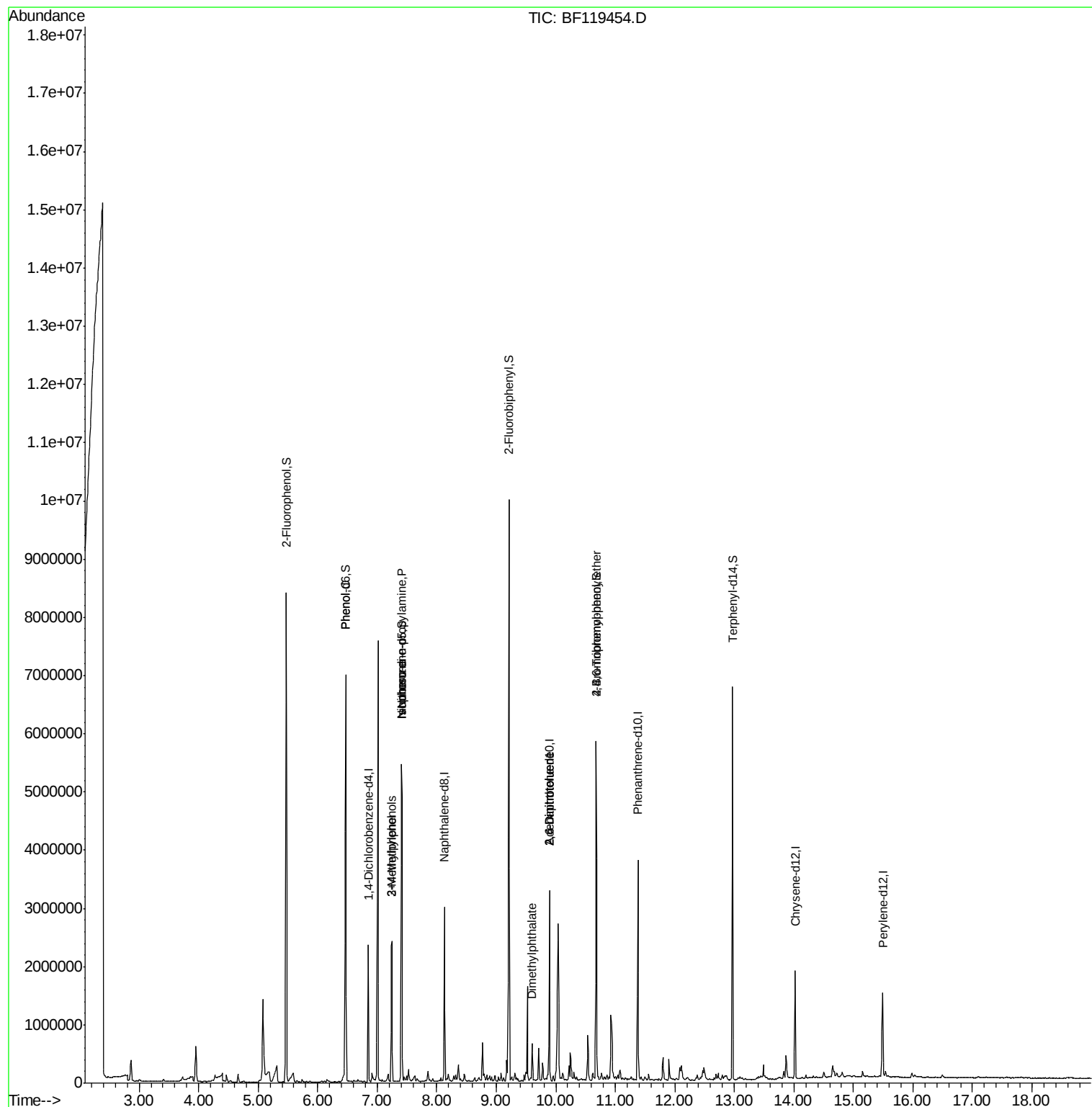
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.48	94	57563	2.07	ng	79
17) 2-Methylphenol	7.25	107	591980	30.12	ng	# 71
19) n-Nitroso-di-n-propylamine	7.41	70	257599	16.38	ng	# 74
20) 3+4-Methylphenols	7.25	107	591980	24.58	ng	# 76
25) Isophorone	7.41	82	1925380	41.35	ng	# 66
50) Dimethylphthalate	9.60	163	155548	3.54	ng	98
51) 2,6-Dinitrotoluene	9.89	165	80310	8.52	ng	# 19
57) 2,4-Dinitrotoluene	9.89	165	80310	6.76	ng	# 25
67) 4-Bromophenyl-phenylether	10.68	248	46669	3.95	ng	# 1

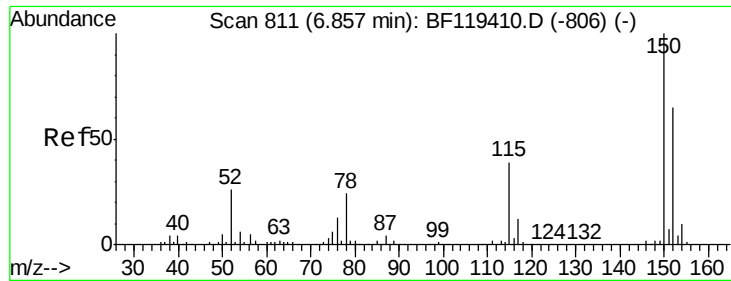
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF119454.D

Acq: 19 Mar 2020 22:51

Instrument :

BNA_F

ClientSampleId :

BUS-WASH-SLUDGE-PIT

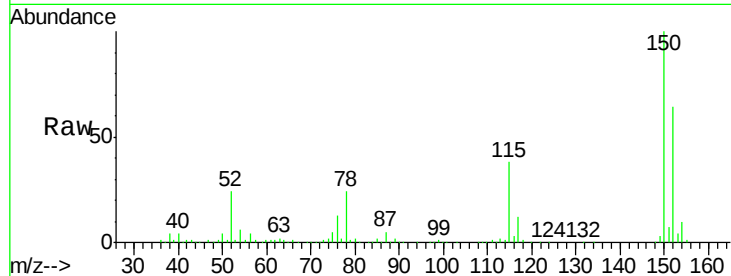
Tgt Ion:152 Resp: 325145

Ion Ratio Lower Upper

152 100

150 156.8 123.9 185.9

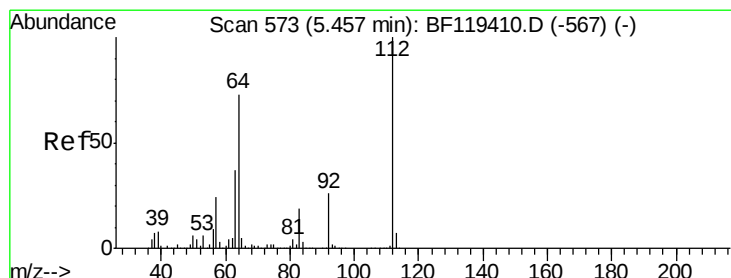
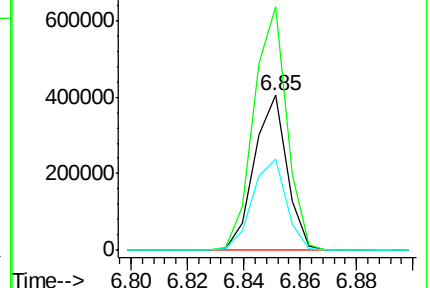
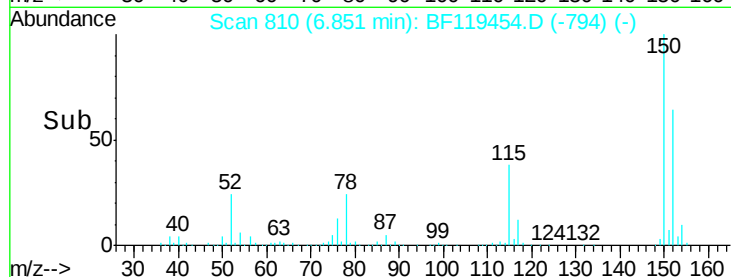
115 59.1 47.8 71.6



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: 111.20 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.02 min

Lab File: BF119454.D

Acq: 19 Mar 2020 22:51

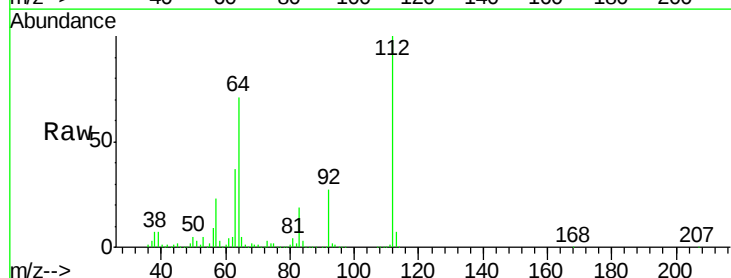
Tgt Ion:112 Resp: 2271245

Ion Ratio Lower Upper

112 100

64 71.0 58.1 87.1

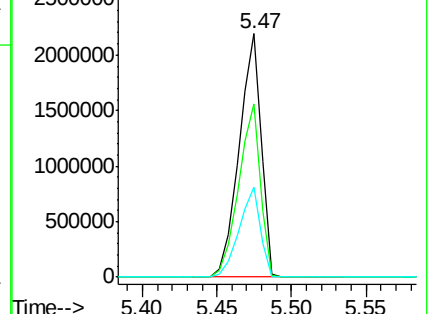
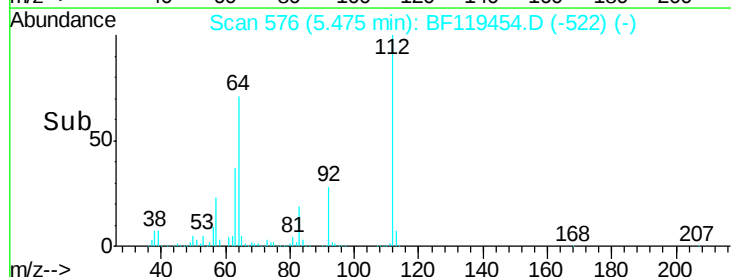
63 36.9 29.7 44.5

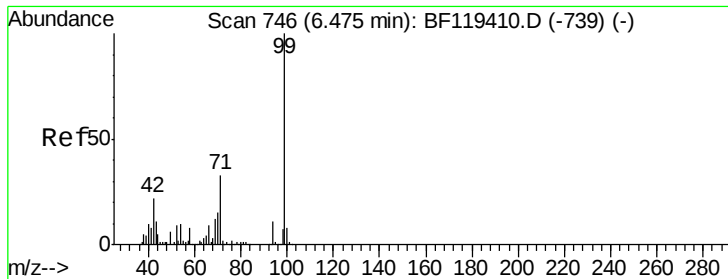


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 99.18 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF119454.D

Acq: 19 Mar 2020 22:51

Instrument :

BNA_F

ClientSampleId :

BUS-WASH-SLUDGE-PIT

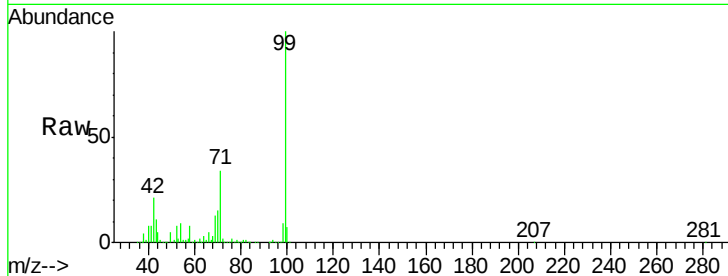
Tgt Ion: 99 Resp: 2587682

Ion Ratio Lower Upper

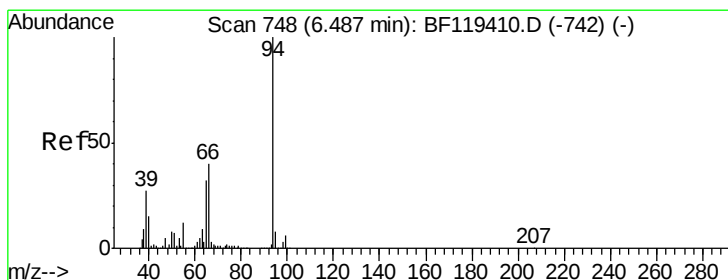
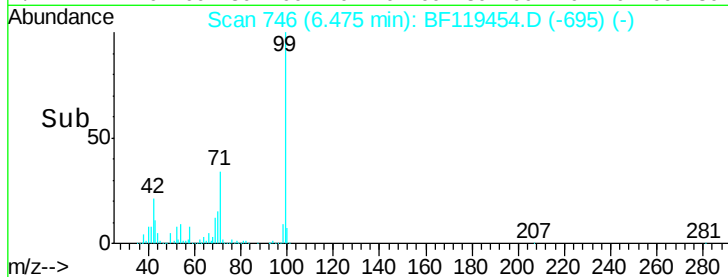
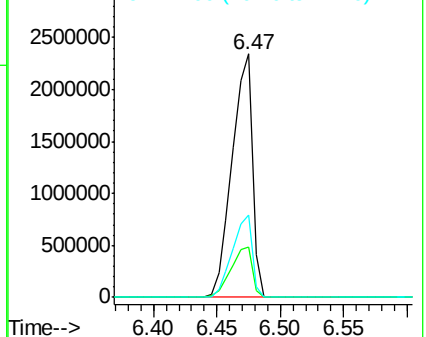
99 100

42 20.8 17.8 26.6

71 33.6 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: 2.07 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF119454.D

Acq: 19 Mar 2020 22:51

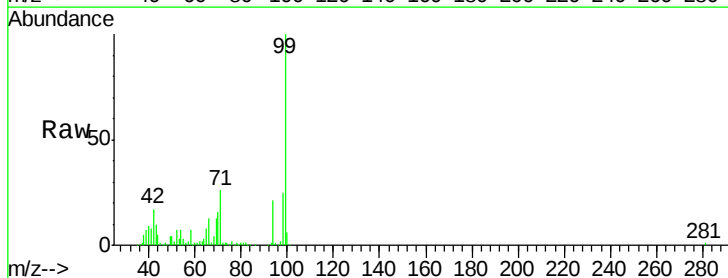
Tgt Ion: 94 Resp: 57563

Ion Ratio Lower Upper

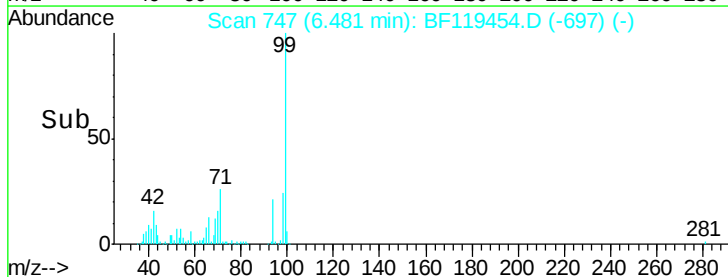
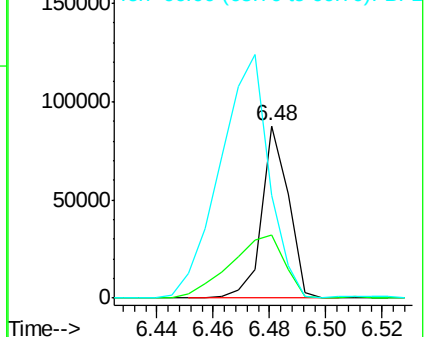
94 100

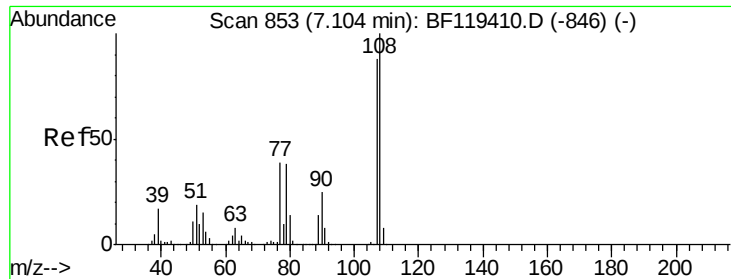
65 36.7 12.0 52.0

66 59.3 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

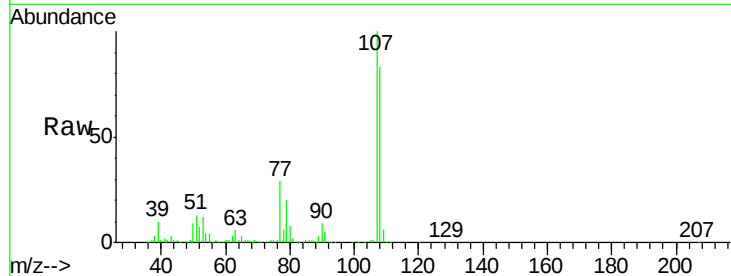




#17
2-Methylphenol
Concen: 30.12 ng
RT: 7.25 min Scan# 877
Delta R.T. 0.14 min
Lab File: BF119454.D
Acq: 19 Mar 2020 22:51

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

Tgt Ion	Ratio	Lower	Upper
107	100		
108	82.8	90.7	136.1#
77	28.9	35.6	53.4#
79	20.1	34.7	52.1#



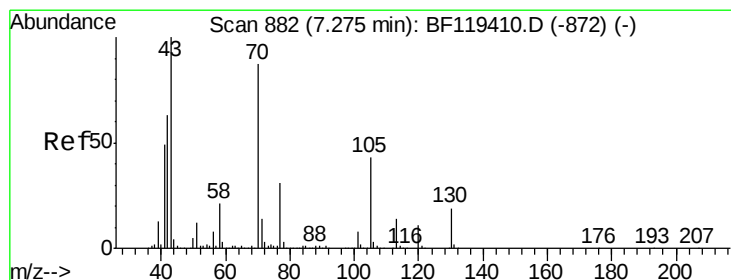
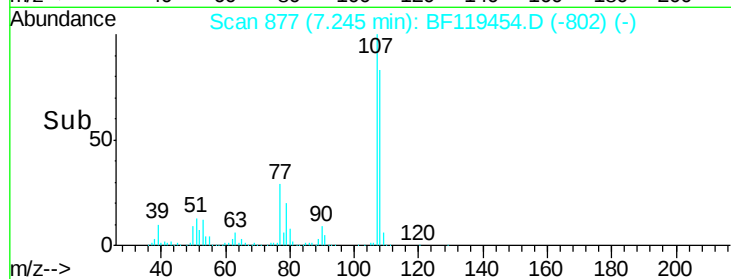
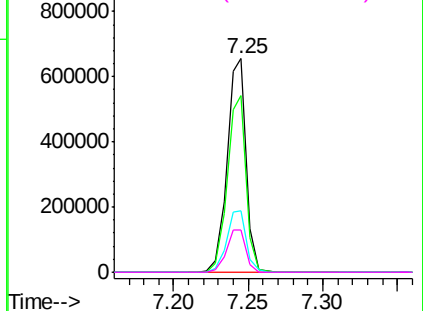
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

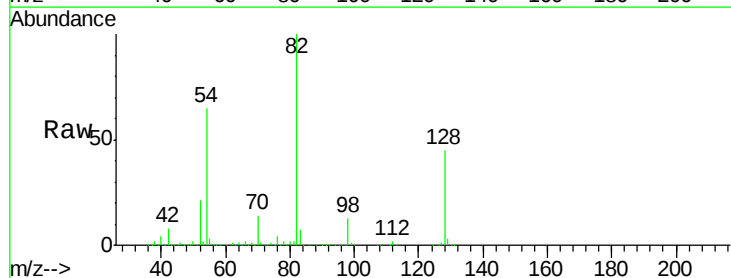
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#19
n-Nitroso-di-n-propylamine
Concen: 16.38 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.14 min
Lab File: BF119454.D
Acq: 19 Mar 2020 22:51

Tgt Ion	Ratio	Lower	Upper
70	100		
42	55.3	58.2	87.4#
101	0.0	7.4	11.2#
130	2.3	17.8	26.8#



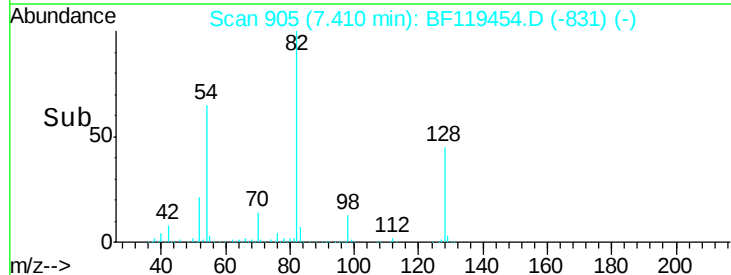
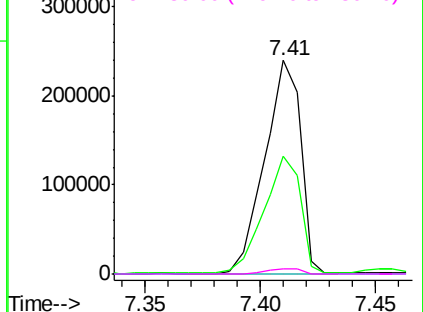
Abundance

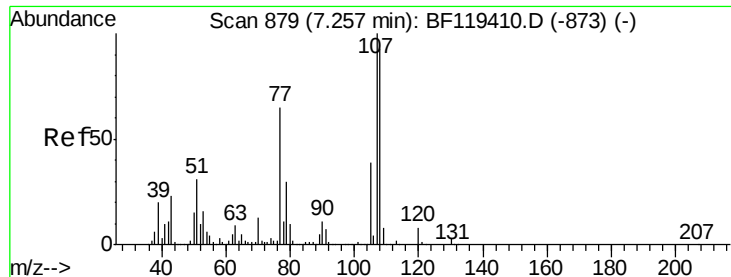
Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

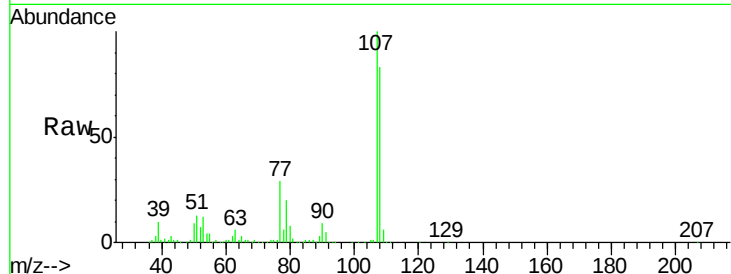




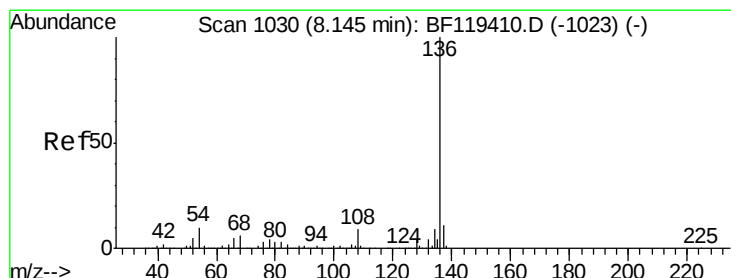
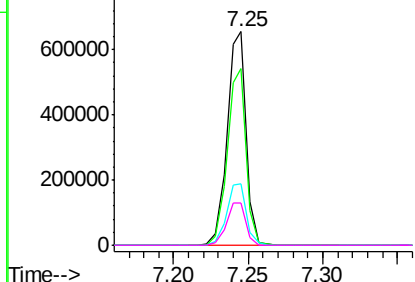
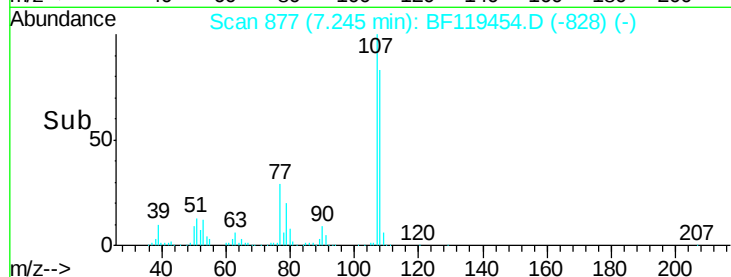
#20
3+4-Methylphenols
Concen: 24.58 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF119454.D
Acq: 19 Mar 2020 22:51

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

Tgt Ion:	107	Resp:	591980
Ion	Ratio	Lower	Upper
107	100		
108	82.8	72.6	112.6
77	28.9	44.7	84.7#
79	20.1	10.2	50.2

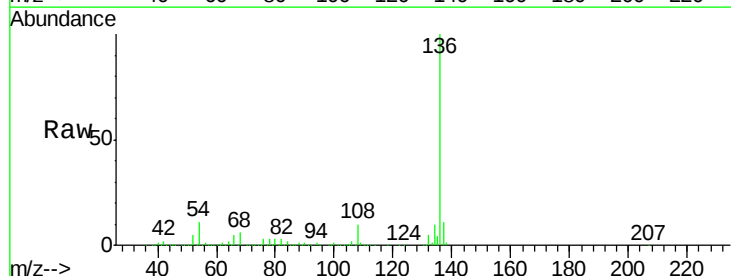


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

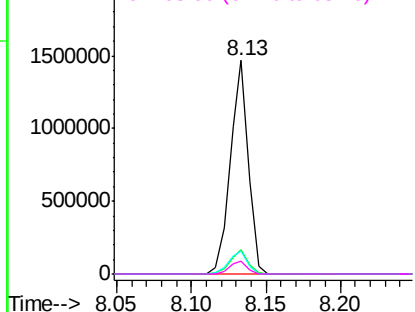
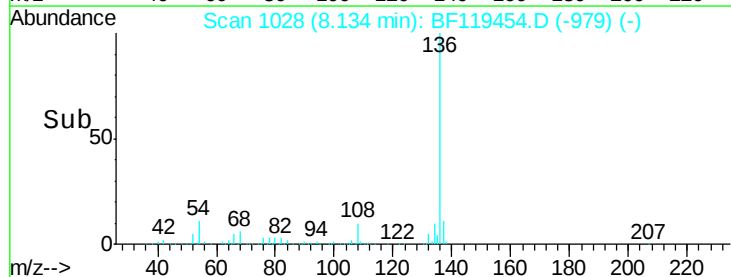


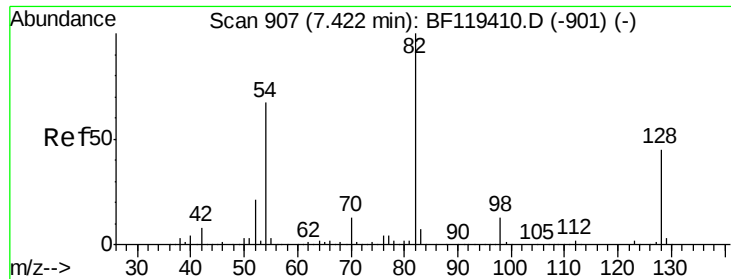
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF119454.D
Acq: 19 Mar 2020 22:51

Tgt Ion:	136	Resp:	1247637
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.4	12.6
54	10.8	8.3	12.5
68	6.0	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

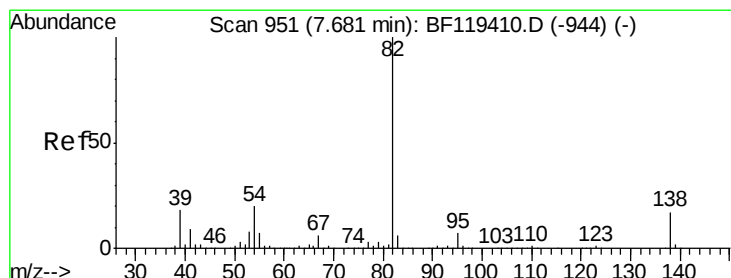
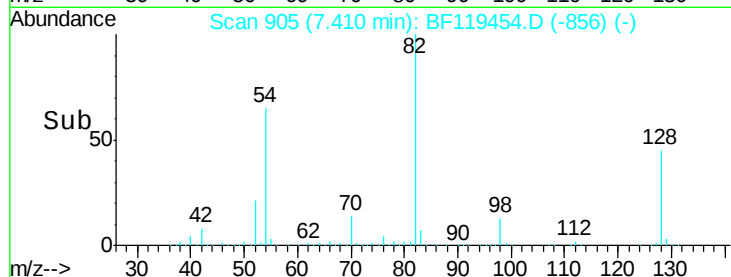
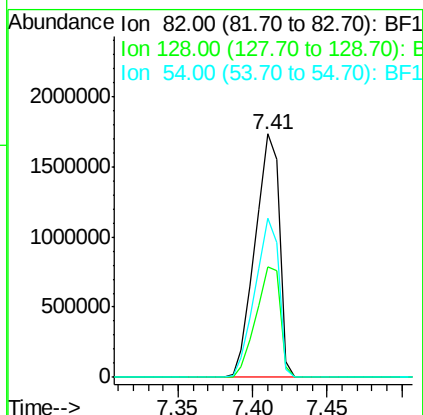
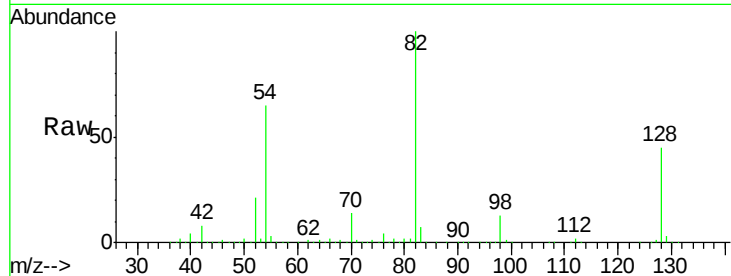




#23
 Nitrobenzene-d5
 Concen: 84.04 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF119454.D
 Acq: 19 Mar 2020 22:51

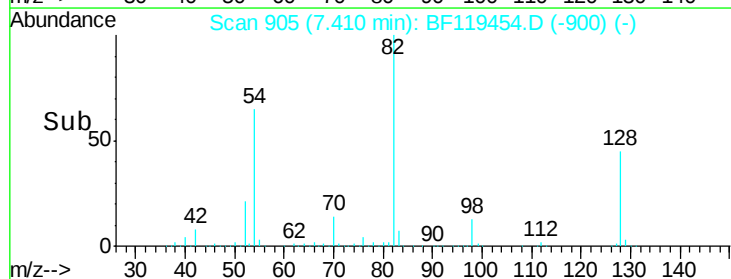
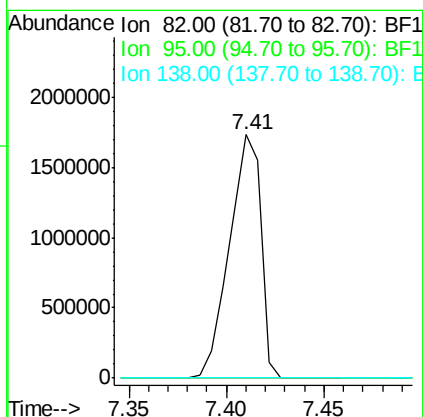
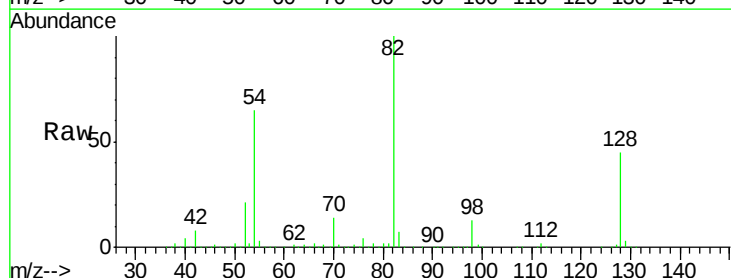
Instrument :
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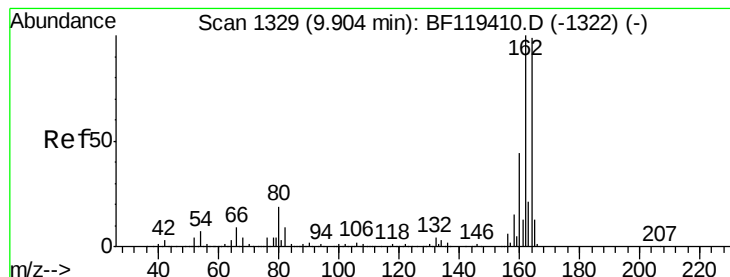
Tgt Ion: 82 Resp: 1929350
 Ion Ratio Lower Upper
 82 100
 128 45.3 35.8 53.8
 54 65.3 53.4 80.0



#25
 Isophorone
 Concen: 41.35 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.27 min
 Lab File: BF119454.D
 Acq: 19 Mar 2020 22:51

Tgt Ion: 82 Resp: 1925380
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 13.8 20.8#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF119454.D

Acq: 19 Mar 2020 22:51

Instrument :

BNA_F

ClientSampleId :

BUS-WASH-SLUDGE-PIT

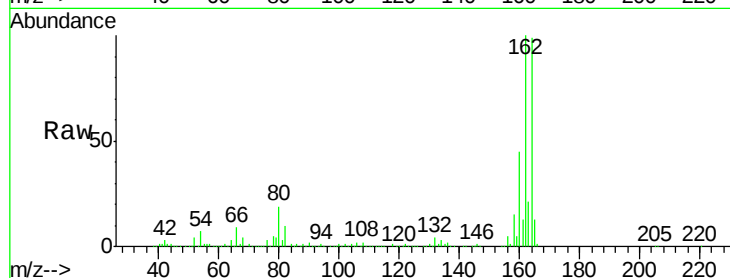
Tgt Ion:164 Resp: 619008

Ion Ratio Lower Upper

164 100

162 101.3 80.7 121.1

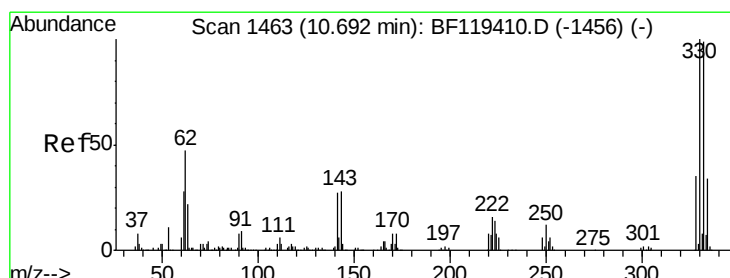
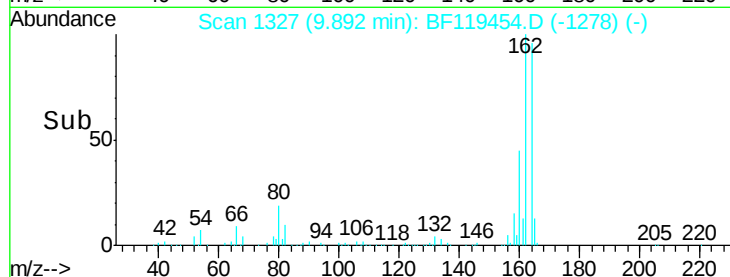
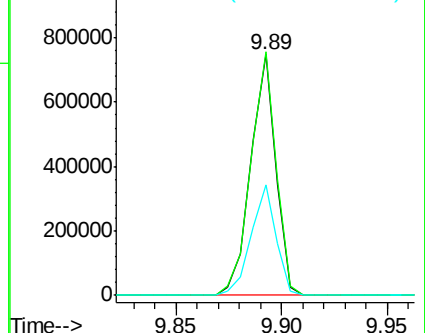
160 46.0 35.5 53.3



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: 115.61 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF119454.D

Acq: 19 Mar 2020 22:51

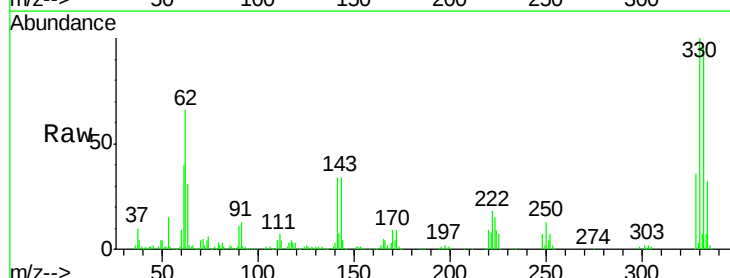
Tgt Ion:330 Resp: 738306

Ion Ratio Lower Upper

330 100

332 95.6 77.6 116.4

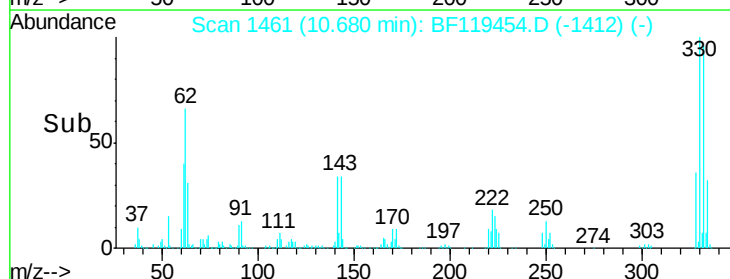
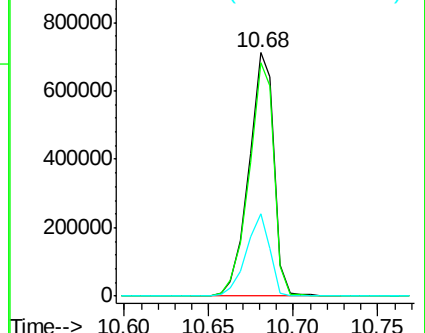
141 32.0 26.6 40.0

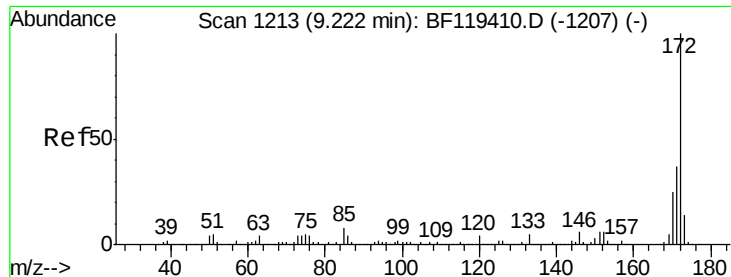


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

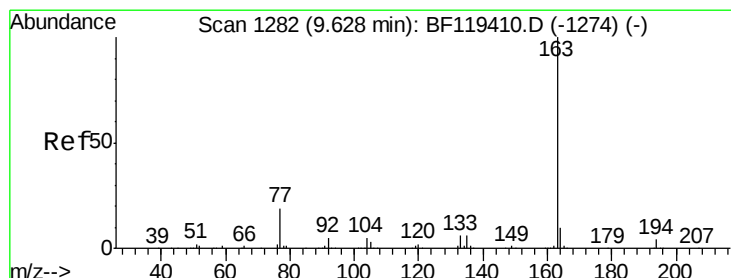
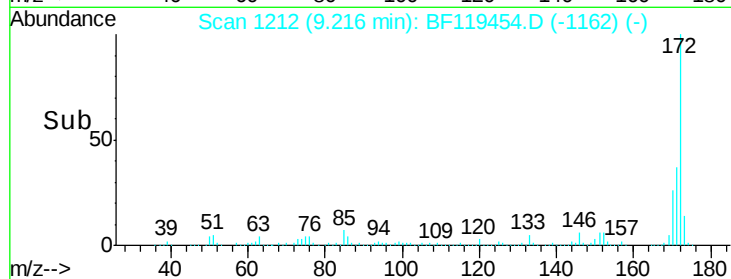
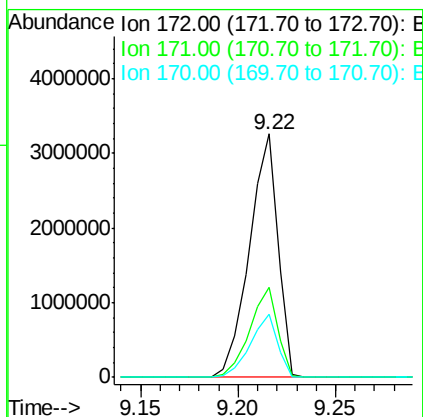
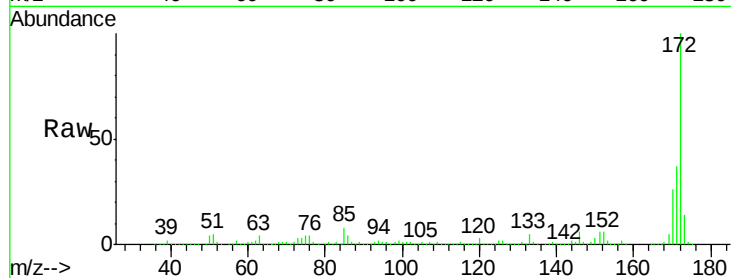




#45
2-Fluorobiphenyl
Concen: 79.19 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF119454.D
Acq: 19 Mar 2020 22:51

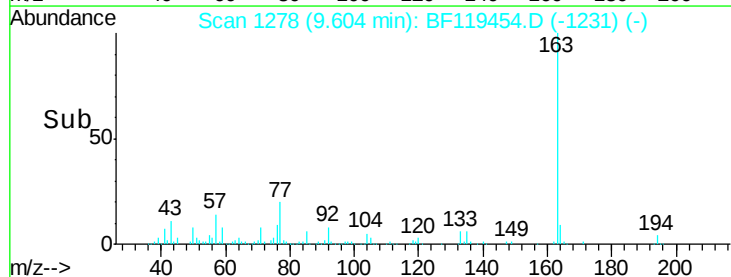
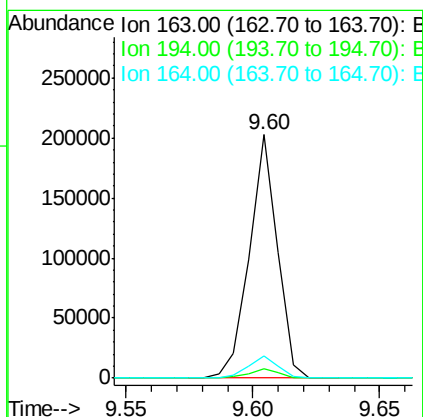
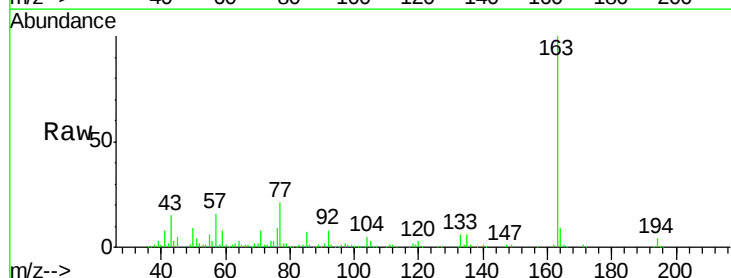
Instrument :
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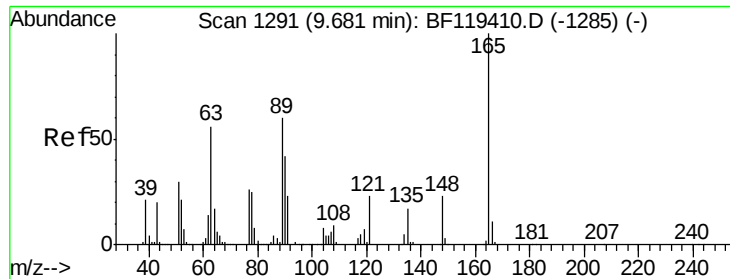
Tgt Ion:172 Resp: 3308692
Ion Ratio Lower Upper
172 100
171 37.2 29.9 44.9
170 25.8 20.1 30.1



#50
Dimethylphthalate
Concen: 3.54 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF119454.D
Acq: 19 Mar 2020 22:51

Tgt Ion:163 Resp: 155548
Ion Ratio Lower Upper
163 100
194 3.7 3.2 4.8
164 9.4 8.1 12.1

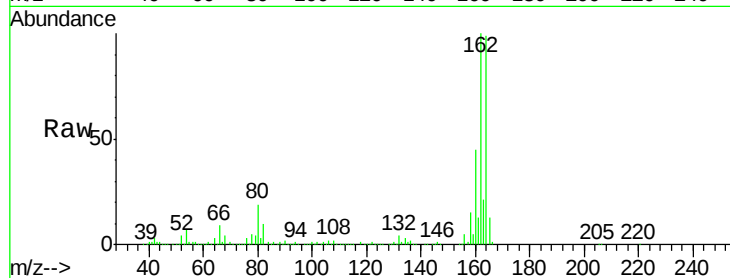




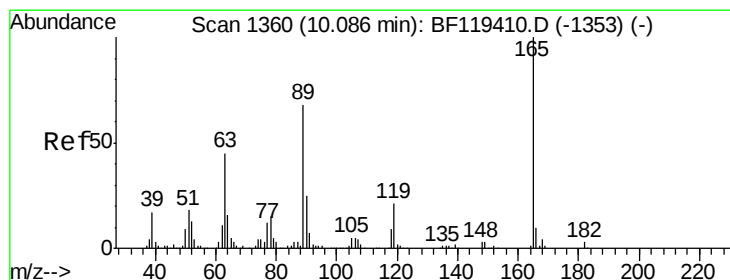
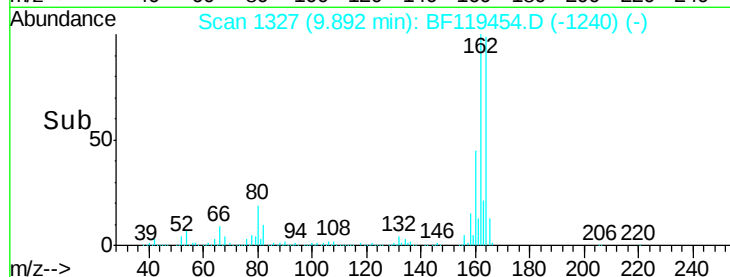
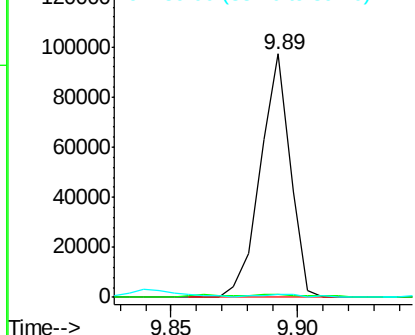
#51
 2,6-Dinitrotoluene
 Concen: 8.52 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.21 min
 Lab File: BF119454.D
 Acq: 19 Mar 2020 22:51

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

Tgt Ion:165 Resp: 80310
 Ion Ratio Lower Upper
 165 100
 63 1.3 57.3 85.9#
 89 1.1 47.8 71.8#



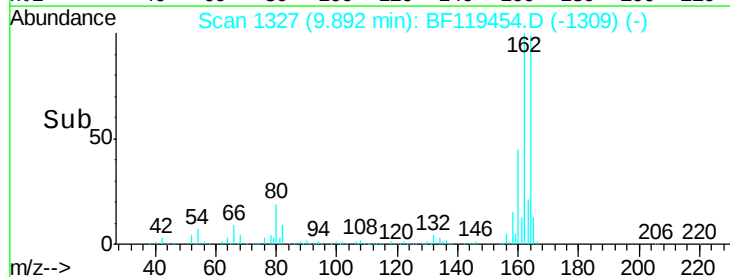
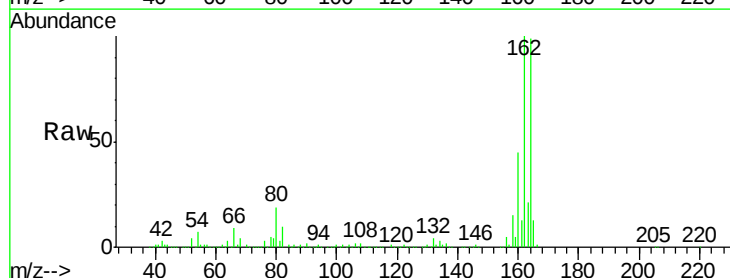
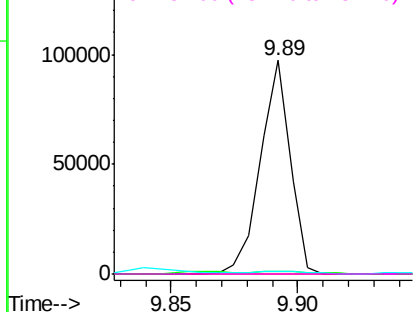
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

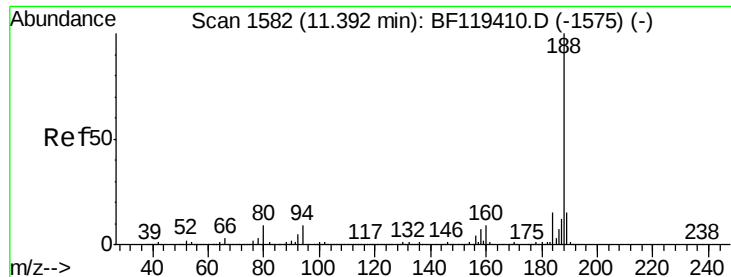


#57
 2,4-Dinitrotoluene
 Concen: 6.76 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.19 min
 Lab File: BF119454.D
 Acq: 19 Mar 2020 22:51

Tgt Ion:165 Resp: 80310
 Ion Ratio Lower Upper
 165 100
 63 1.3 36.2 54.4#
 89 1.1 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

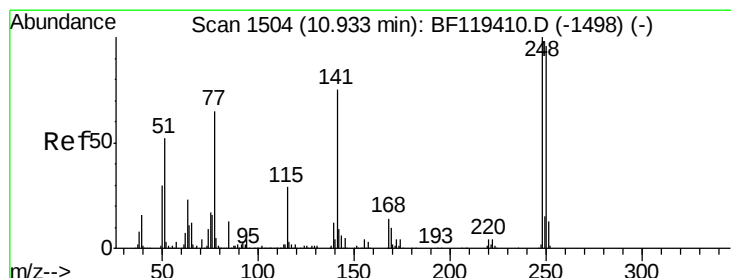
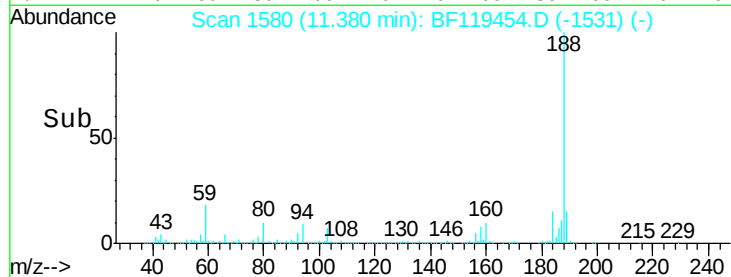
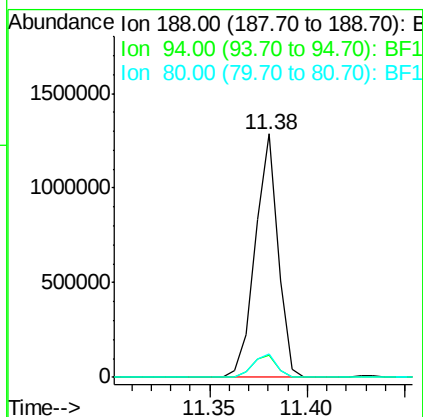
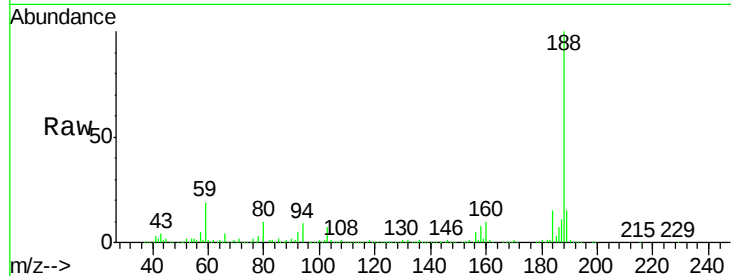




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF119454.D
Acq: 19 Mar 2020 22:51

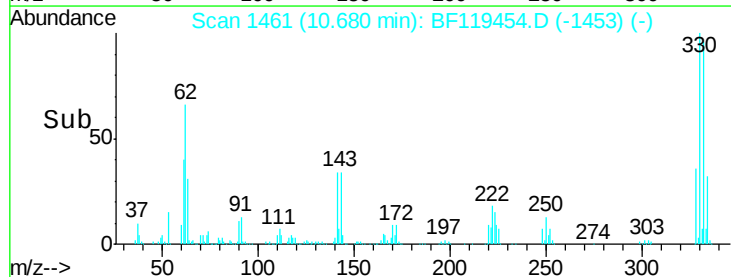
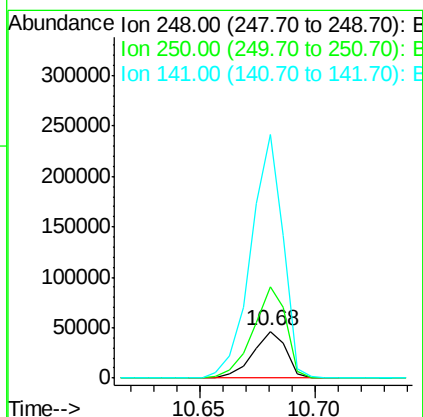
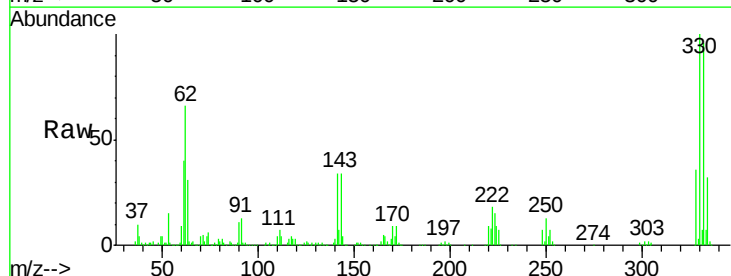
Instrument :
BNA_F
ClientSampleId :
BUS-WASH-SLUDGE-PIT

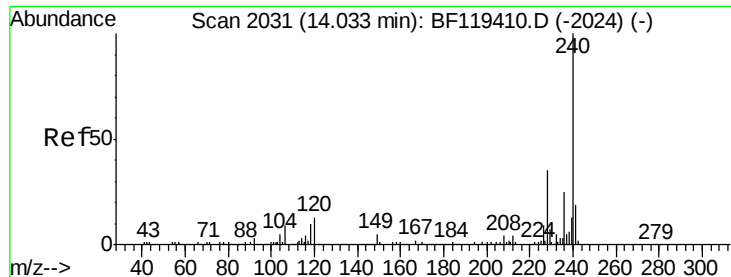
Tgt Ion:188 Resp: 1038419
Ion Ratio Lower Upper
188 100
94 9.2 7.1 10.7
80 9.9 7.5 11.3



#67
4-Bromophenyl-phenylether
Concen: 3.95 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.25 min
Lab File: BF119454.D
Acq: 19 Mar 2020 22:51

Tgt Ion:248 Resp: 46669
Ion Ratio Lower Upper
248 100
250 193.0 77.0 115.6#
141 516.9 59.7 89.5#

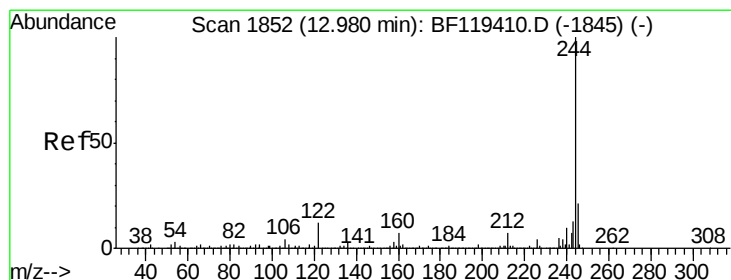
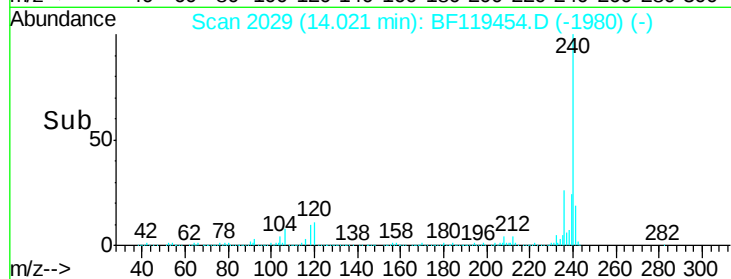
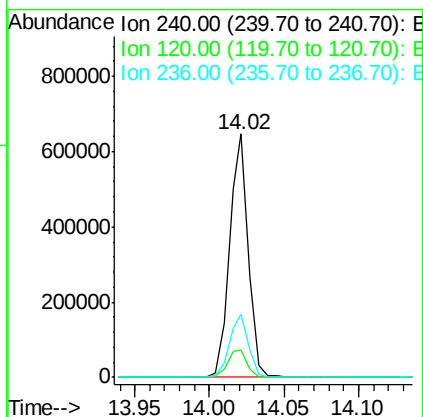
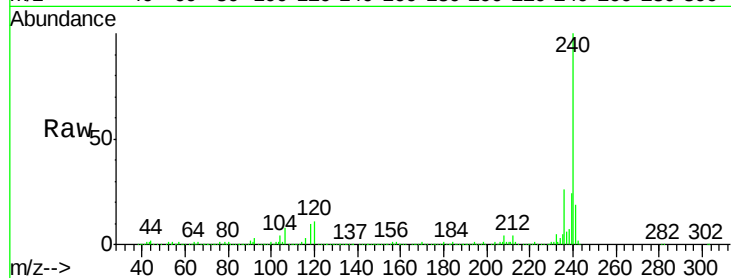




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF119454.D
Acq: 19 Mar 2020 22:51

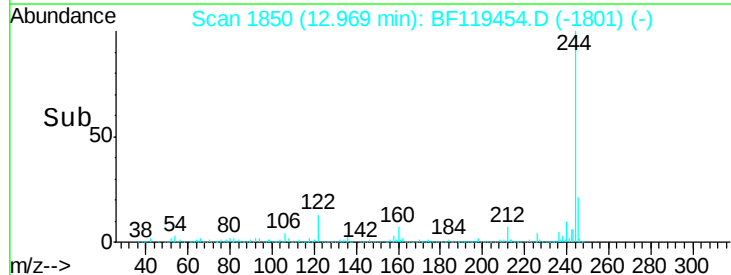
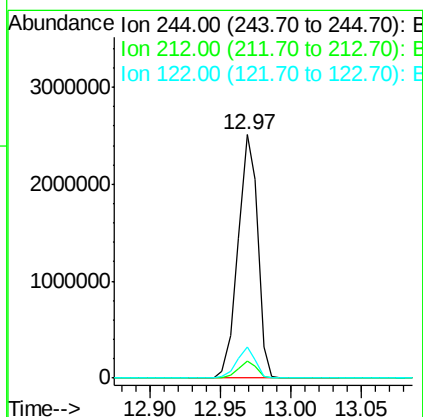
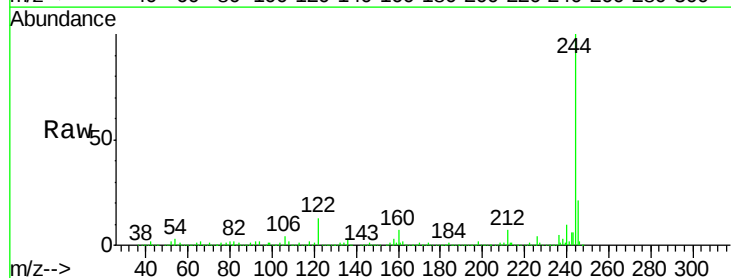
Instrument :
BNA_F
ClientSampleId :
BUS-WASH-SLUDGE-PIT

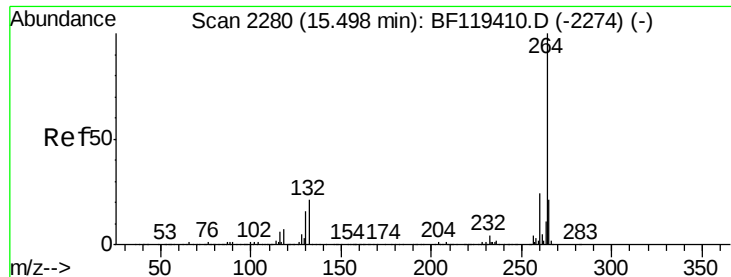
Tgt Ion:240 Resp: 571442
Ion Ratio Lower Upper
240 100
120 11.1 10.2 15.4
236 26.2 20.4 30.6



#79
Terphenyl-d14
Concen: 83.29 ng
RT: 12.97 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BF119454.D
Acq: 19 Mar 2020 22:51

Tgt Ion:244 Resp: 2429316
Ion Ratio Lower Upper
244 100
212 6.8 5.7 8.5
122 12.5 9.8 14.8

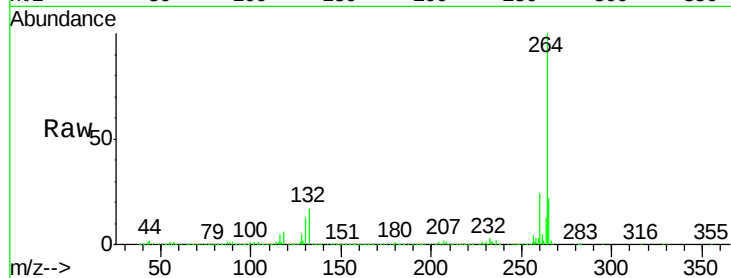




#87
Perylene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF119454.D
Acq: 19 Mar 2020 22:51

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

Tgt Ion: 264 Resp: 672498
Ion Ratio Lower Upper
264 100
260 24.1 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

