

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032720\
 Data File : BF119612.D
 Acq On : 28 Mar 2020 13:09
 Operator : CG/JU
 Sample : L2013-09 10X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GHD1-SB-0203-0-11

Quant Time: Mar 29 23:17:33 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

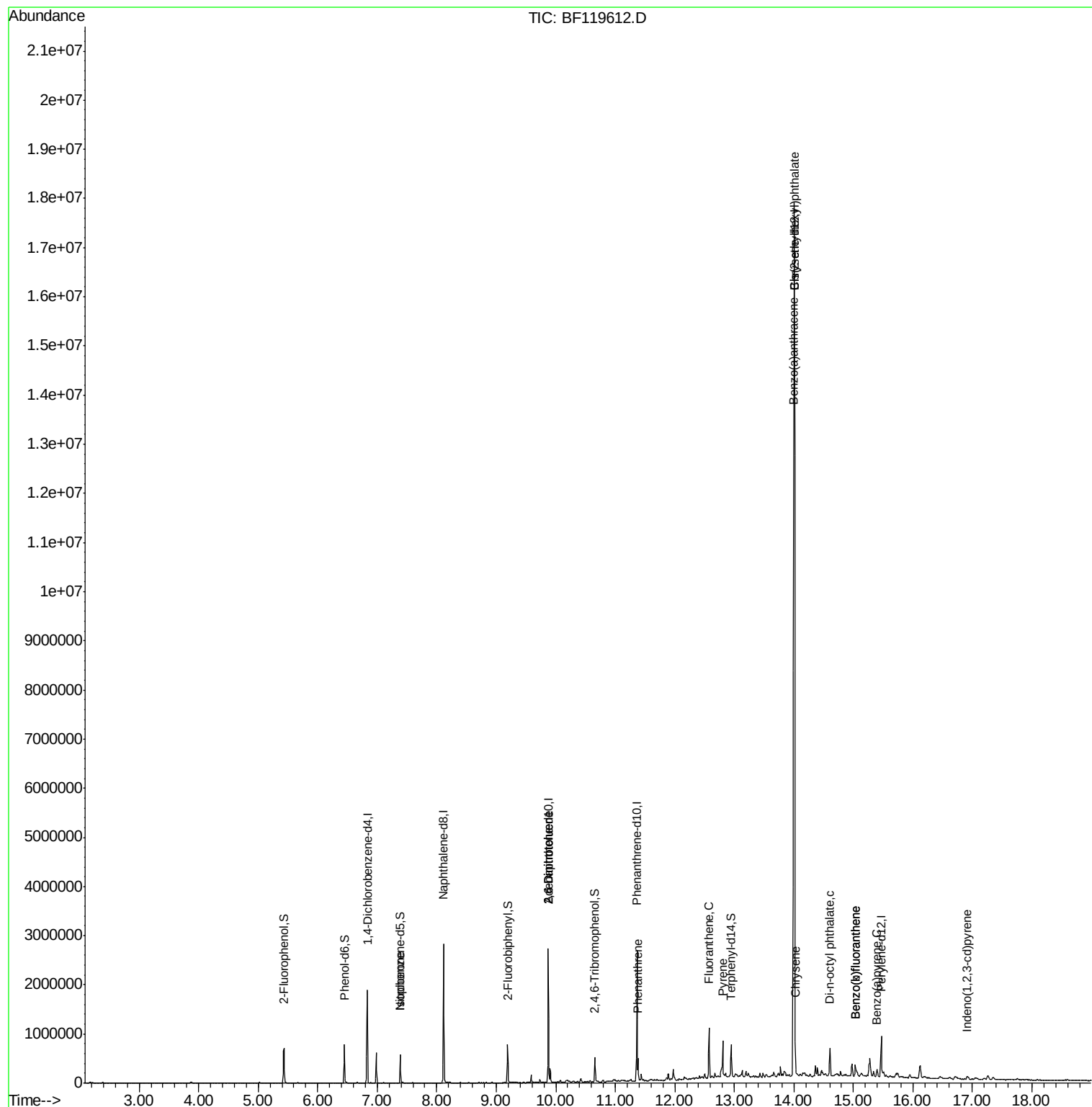
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	283869	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1114483	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	498825	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	921874	20.00	ng	0.00
76) Chrysene-d12	14.00	240	286260	20.00	ng	-0.01
87) Perylene-d12	15.47	264	401041	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	183613	10.30	ng	0.00
7) Phenol-d6	6.45	99	222170	9.75	ng	-0.02
23) Nitrobenzene-d5	7.39	82	144400	7.04	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	54708	10.63	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	218671	6.49	ng	-0.01
79) Terphenyl-d14	12.94	244	214083	14.65	ng	-0.02
Target Compounds						
25) Isophorone	7.39	82	141875	3.41	ng	# 65
51) 2,6-Dinitrotoluene	9.87	165	63413	8.35	ng	# 26
57) 2,4-Dinitrotoluene	9.87	165	63413	6.63	ng	# 20
71) Phenanthrene	11.39	178	161556	3.38	ng	95
75) Fluoranthene	12.57	202	367493	7.10	ng	96
78) Pyrene	12.80	202	301109	12.82	ng	96
81) Benzo(a)anthracene	13.99	228	72163	3.88	ng	96
83) Chrysene	14.03	228	71427	3.72	ng	97
84) Bis(2-ethylhexyl)phthalate	14.01	149	6726256	593.82	ng	# 92
85) Di-n-octyl phthalate	14.60	149	274553	13.78	ng	# 98
86) Indeno(1,2,3-cd)pyrene	16.92	276	37152	2.05	ng	94
88) Benzo(b)fluoranthene	15.04	252	121205	4.52	ng	96
89) Benzo(k)fluoranthene	15.04	252	121205	4.75	ng	95
90) Benzo(a)pyrene	15.40	252	63640	2.61	ng	99

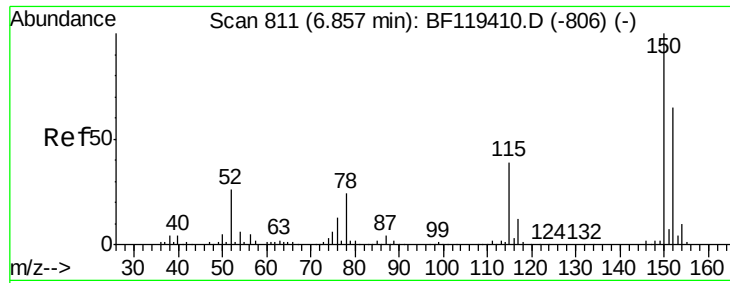
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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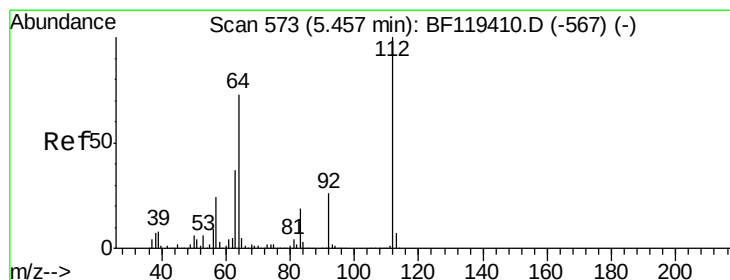
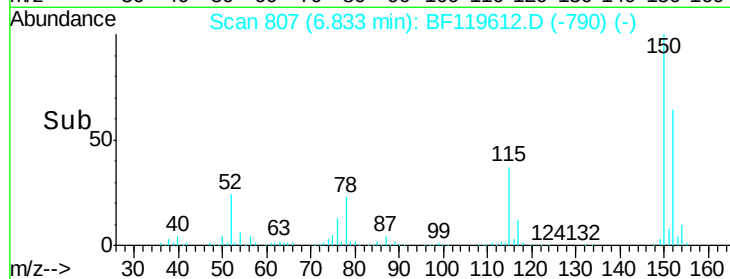
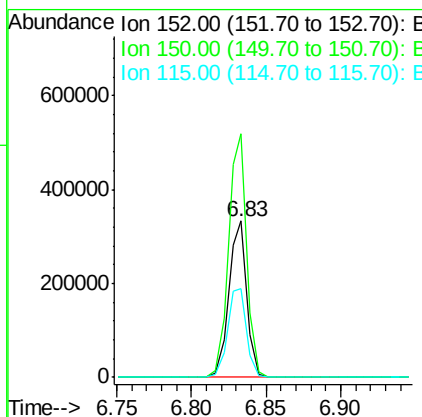
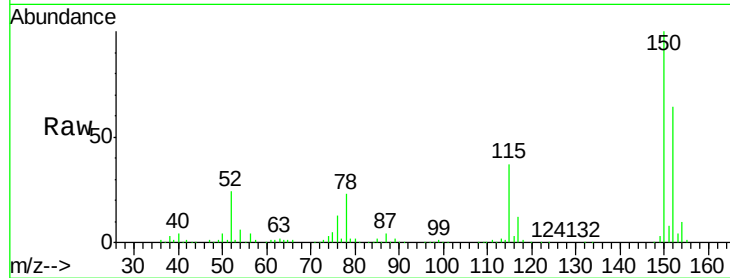




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: BF119612.D
 Acq: 28 Mar 2020 13:09

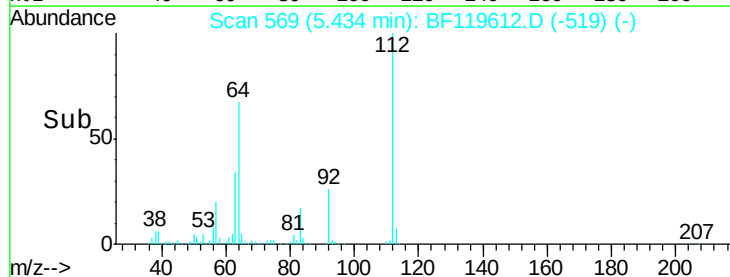
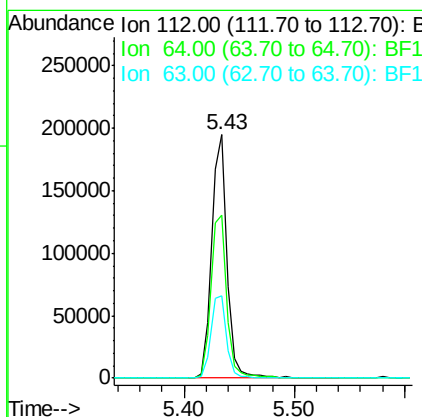
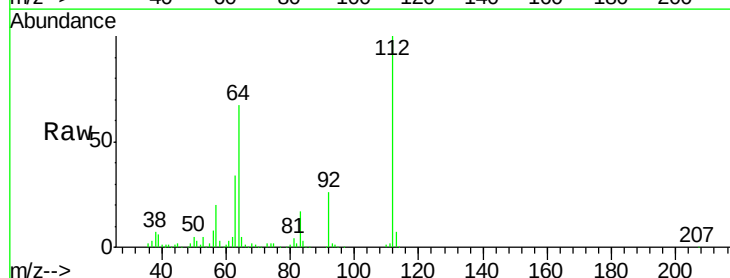
Instrument :
 BNA_F
 ClientSampleId :
 GHD1-SB-0203-0-11

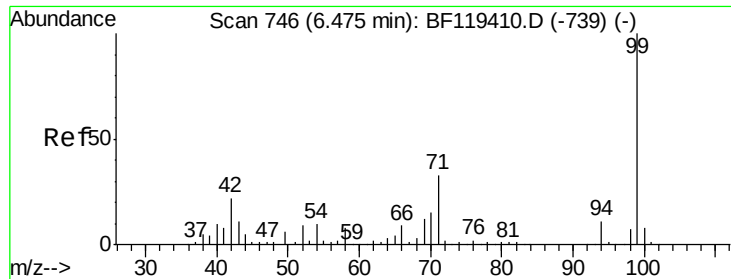
Tgt Ion:152 Resp: 283869
 Ion Ratio Lower Upper
 152 100
 150 155.8 124.5 186.7
 115 57.1 49.6 74.4



#5
 2-Fluorophenol
 Concen: 10.30 ng
 RT: 5.43 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: BF119612.D
 Acq: 28 Mar 2020 13:09

Tgt Ion:112 Resp: 183613
 Ion Ratio Lower Upper
 112 100
 64 66.7 56.7 85.1
 63 33.6 29.5 44.3





#7

Phenol-d6

Concen: 9.75 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.02 min

Lab File: BF119612.D

Acq: 28 Mar 2020 13:09

Instrument :

BNA_F

ClientSampleId :

GHD1-SB-0203-0-11

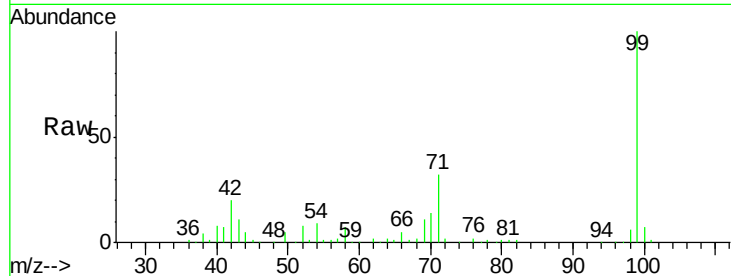
Tgt Ion: 99 Resp: 222170

Ion Ratio Lower Upper

99 100

42 20.4 16.6 24.8

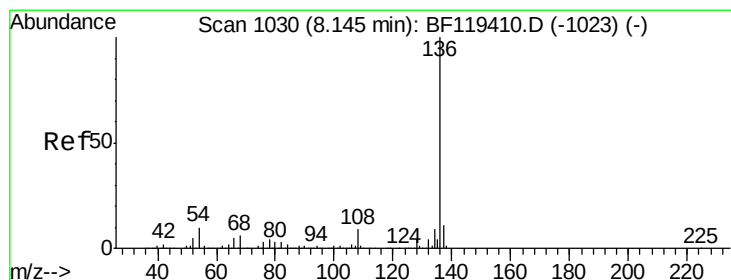
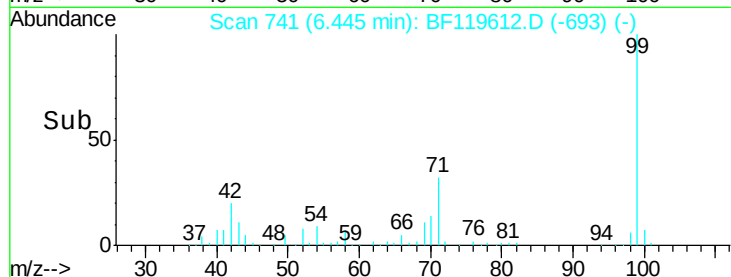
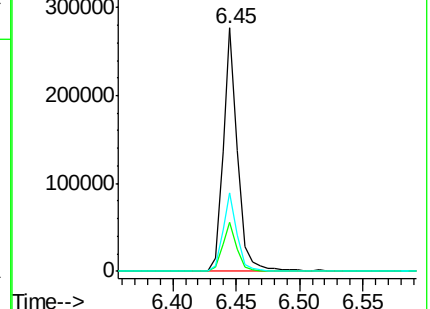
71 32.1 26.4 39.6



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF119612.D

Acq: 28 Mar 2020 13:09

Tgt Ion: 136 Resp: 1114483

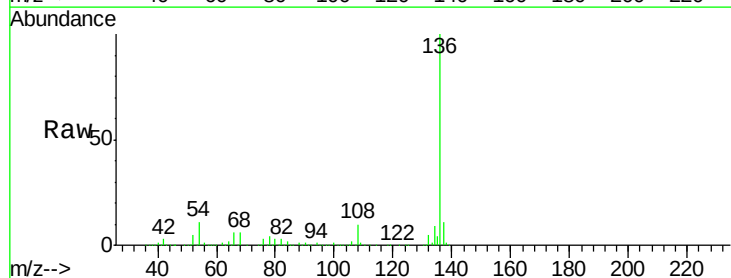
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 11.2 9.1 13.7

68 6.0 4.6 6.8

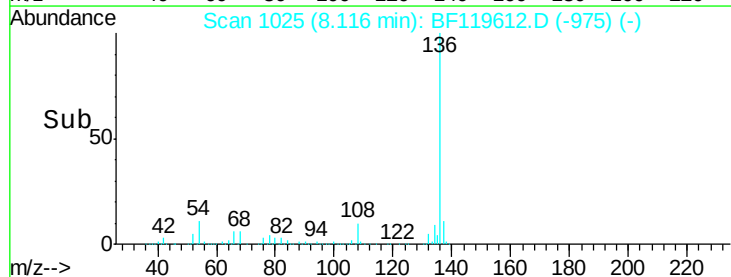
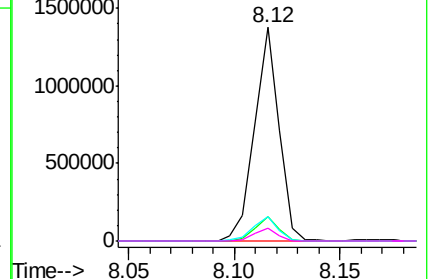


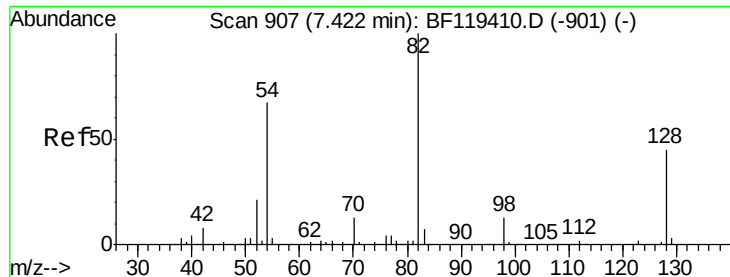
Abundance Ion 136.00 (135.70 to 136.70): E

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

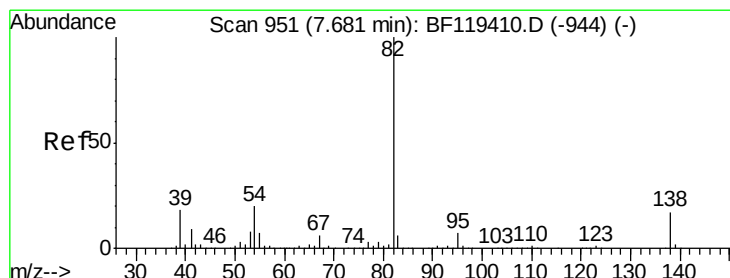
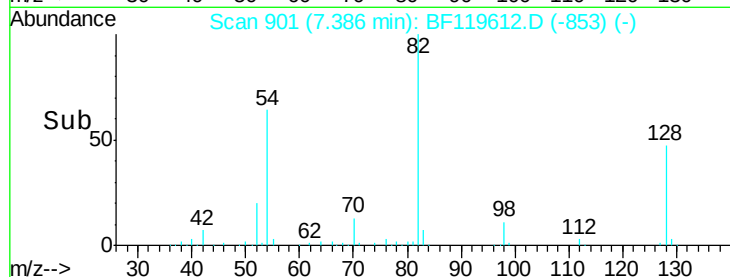
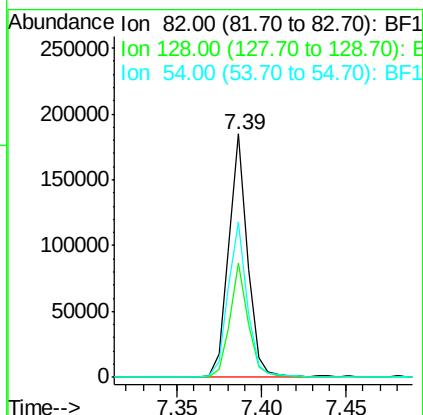
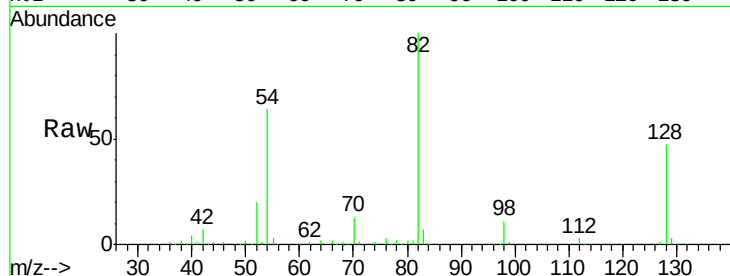




#23
Nitrobenzene-d5
Concen: 7.04 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.02 min
Lab File: BF119612.D
Acq: 28 Mar 2020 13:09

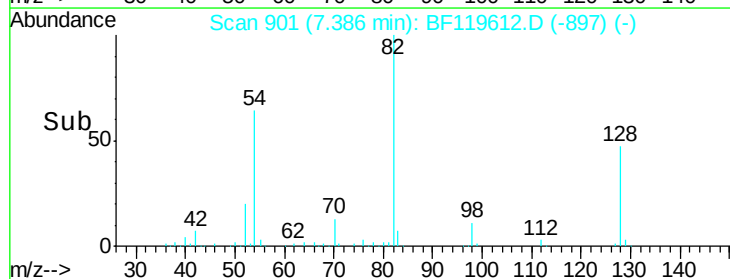
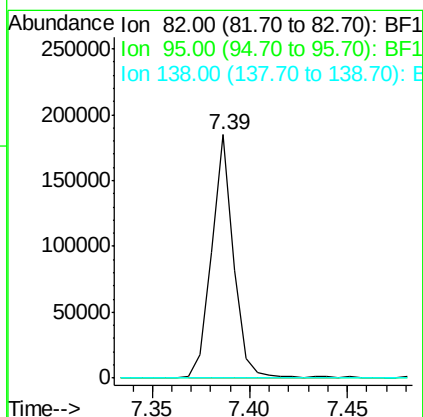
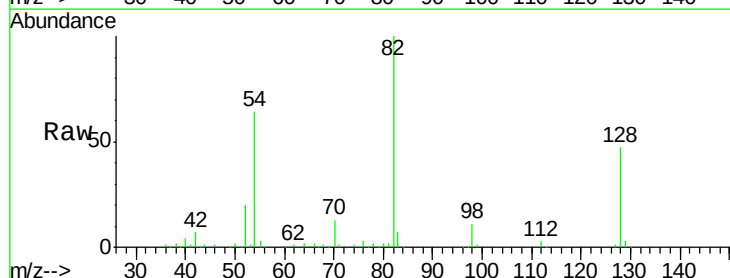
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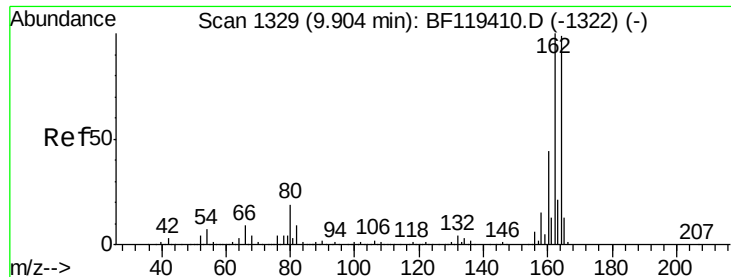
Tgt Ion: 82 Resp: 144400
Ion Ratio Lower Upper
82 100
128 47.0 36.3 54.5
54 63.7 50.6 75.8



#25
Isophorone
Concen: 3.41 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.28 min
Lab File: BF119612.D
Acq: 28 Mar 2020 13:09

Tgt Ion: 82 Resp: 141875
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#

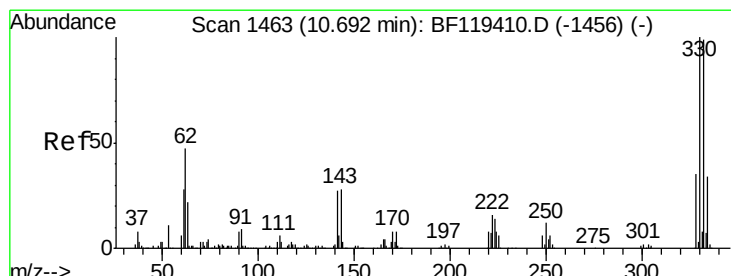
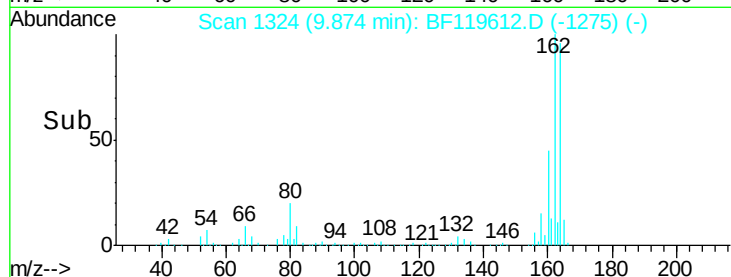
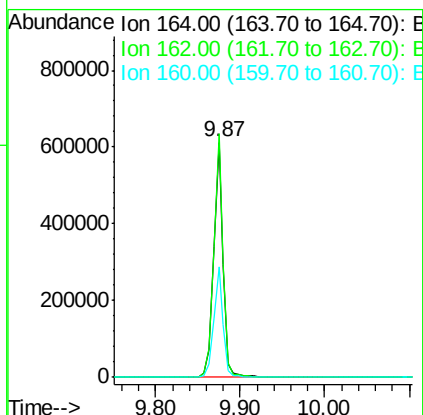
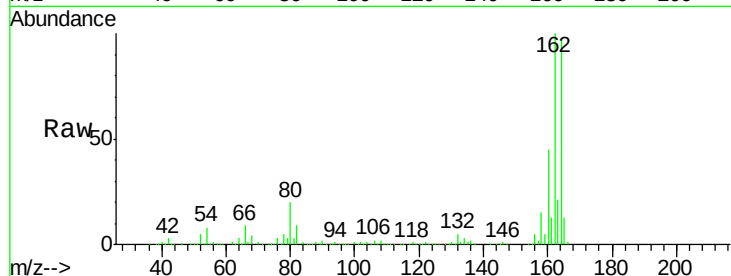




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF119612.D
Acq: 28 Mar 2020 13:09

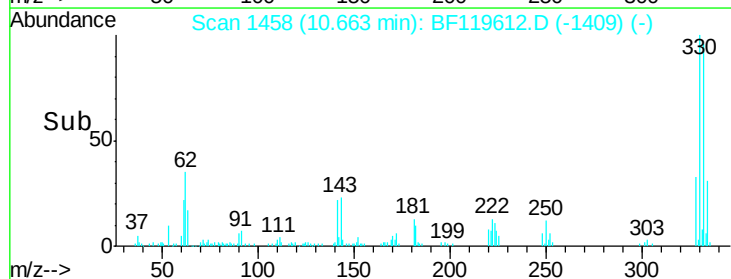
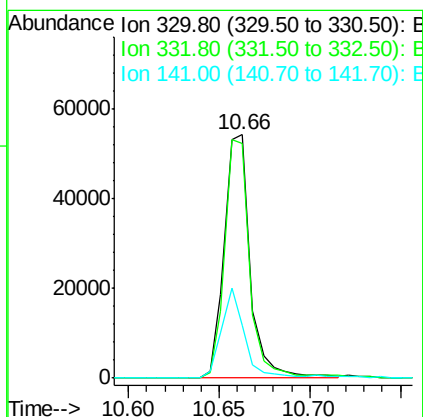
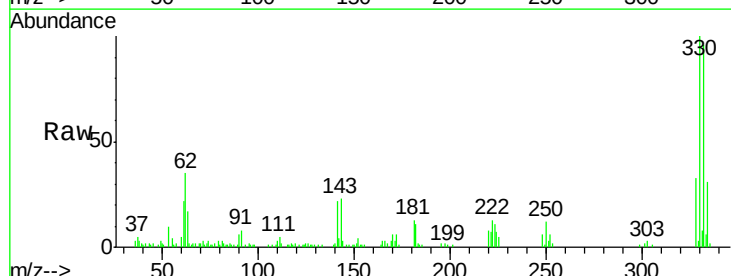
Instrument :
BNA_F
ClientSampleId :
GHD1-SB-0203-0-11

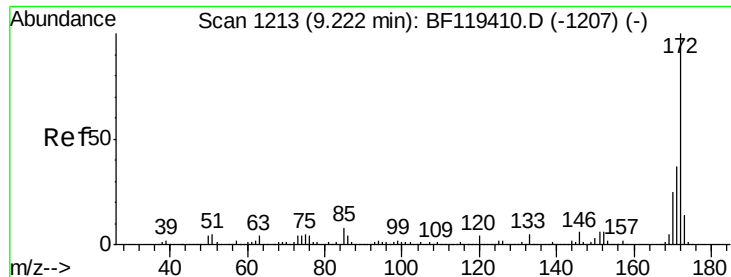
Tgt Ion:164 Resp: 498825
Ion Ratio Lower Upper
164 100
162 103.6 80.6 121.0
160 46.8 35.7 53.5



#42
2,4,6-Tribromophenol
Concen: 10.63 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF119612.D
Acq: 28 Mar 2020 13:09

Tgt Ion:330 Resp: 54708
Ion Ratio Lower Upper
330 100
332 95.5 75.7 113.5
141 32.3 25.4 38.0

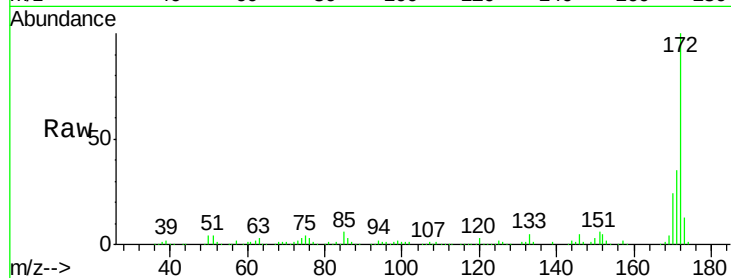




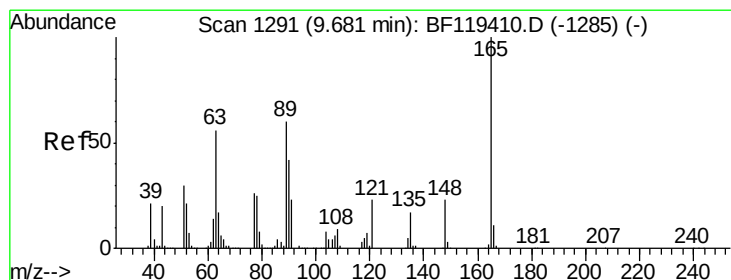
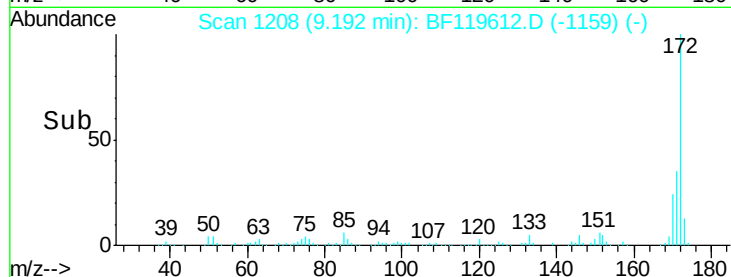
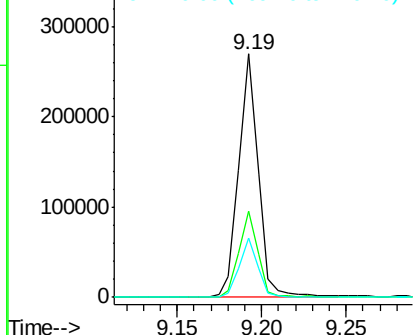
#45
 2-Fluorobiphenyl
 Concen: 6.49 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF119612.D
 Acq: 28 Mar 2020 13:09

Instrument :
 BNA_F
 ClientSampleId :
 GHD1-SB-0203-0-11

Tgt Ion:172 Resp: 218671
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.6 44.4
 170 24.3 20.2 30.2

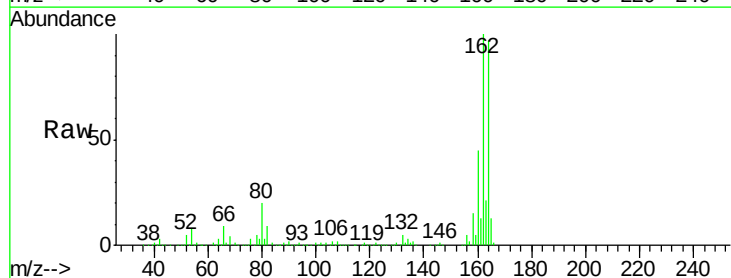


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

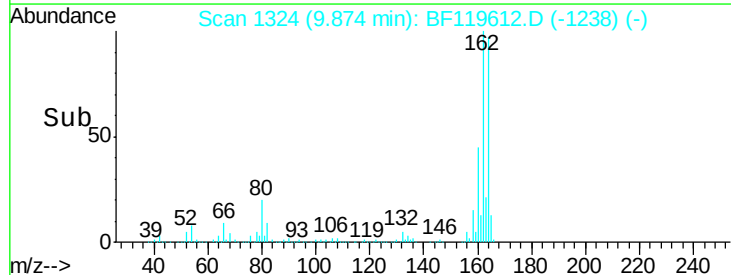
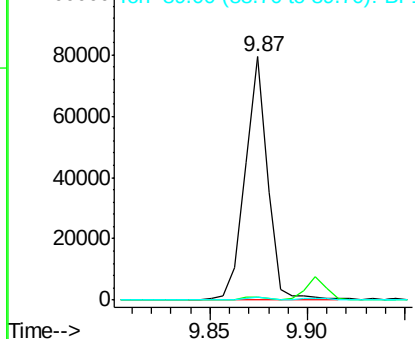


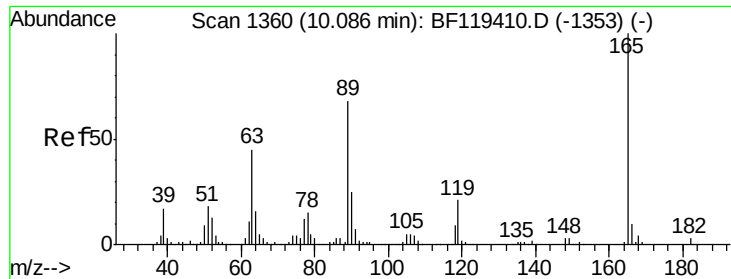
#51
 2,6-Dinitrotoluene
 Concen: 8.35 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.21 min
 Lab File: BF119612.D
 Acq: 28 Mar 2020 13:09

Tgt Ion:165 Resp: 63413
 Ion Ratio Lower Upper
 165 100
 63 1.5 45.0 67.4#
 89 1.3 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

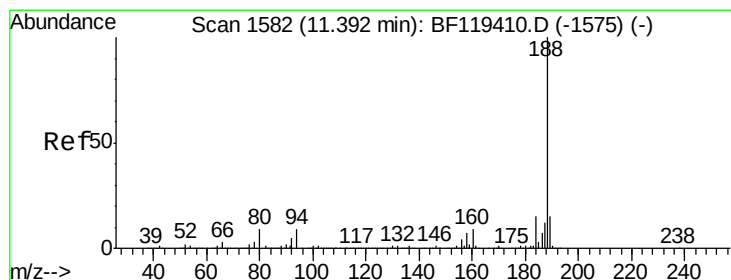
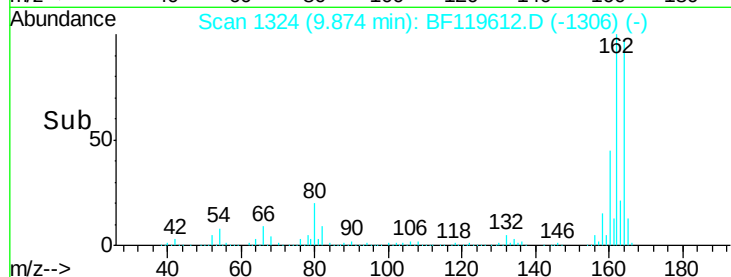
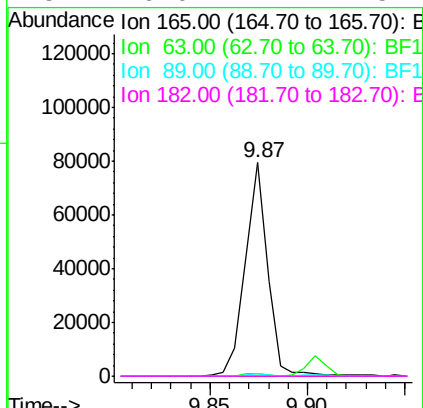
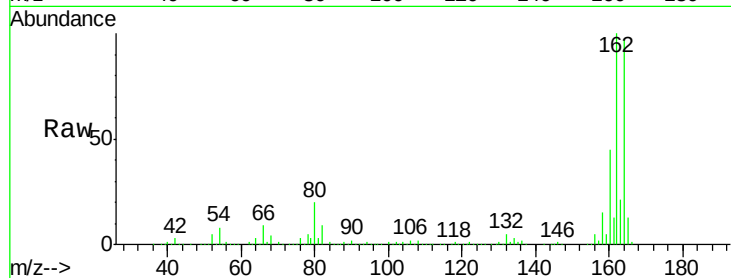




#57
 2,4-Dinitrotoluene
 Concen: 6.63 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.19 min
 Lab File: BF119612.D
 Acq: 28 Mar 2020 13:09

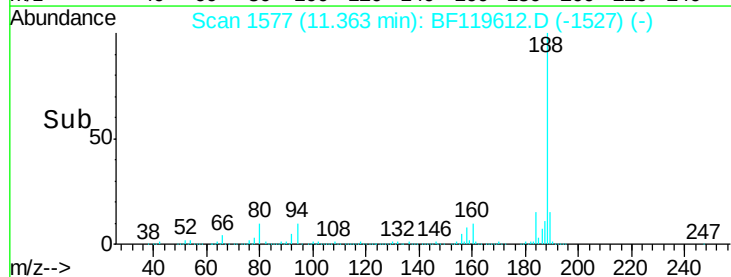
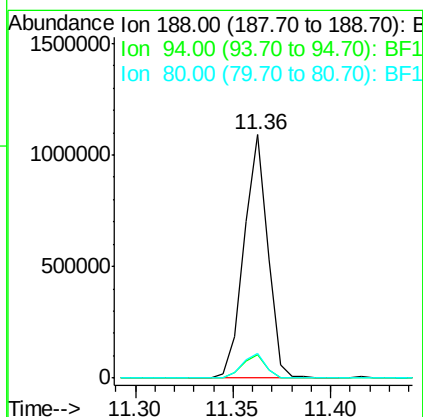
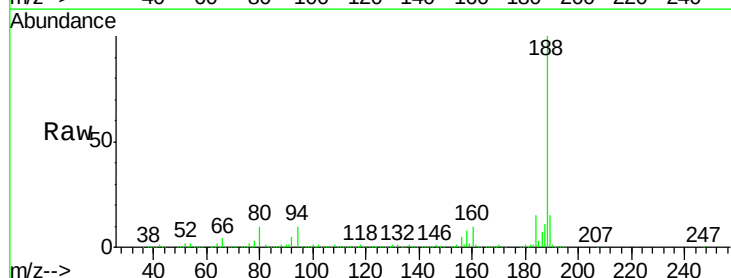
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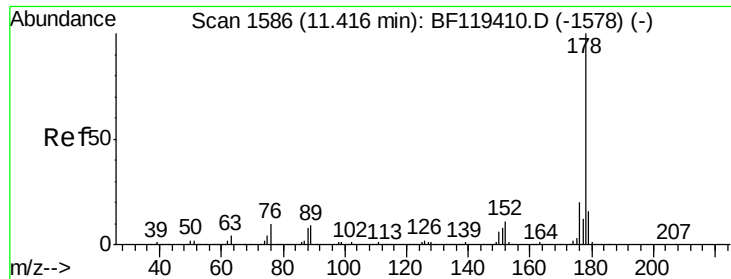
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	42.6	64.0#
89	1.3	61.0	91.4#
182	0.0	2.2	3.2#



#64
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF119612.D
 Acq: 28 Mar 2020 13:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.5	11.3
80	10.4	9.0	13.4

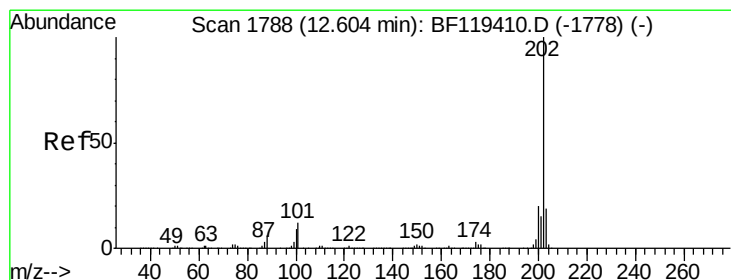
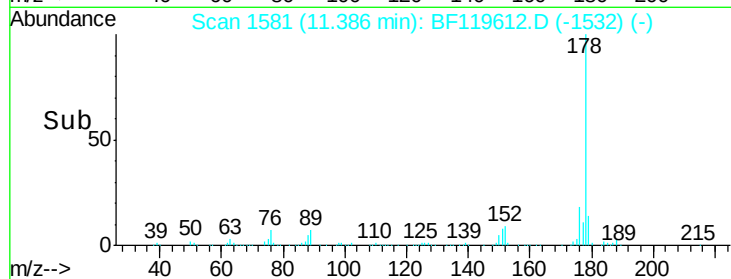
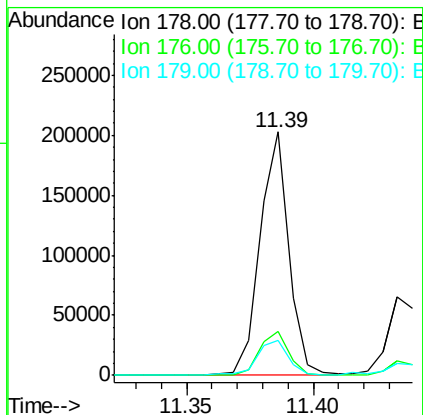
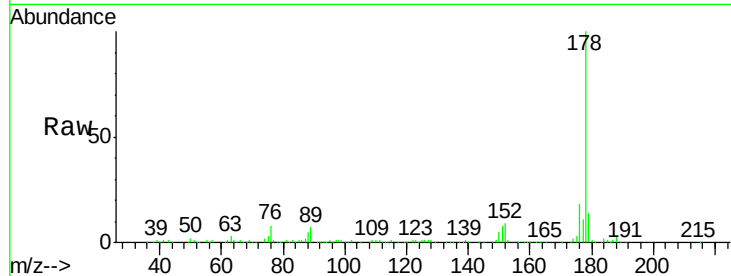




#71
Phenanthrene
Concen: 3.38 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF119612.D
Acq: 28 Mar 2020 13:09

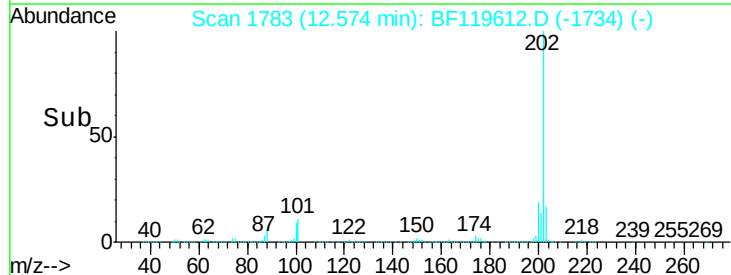
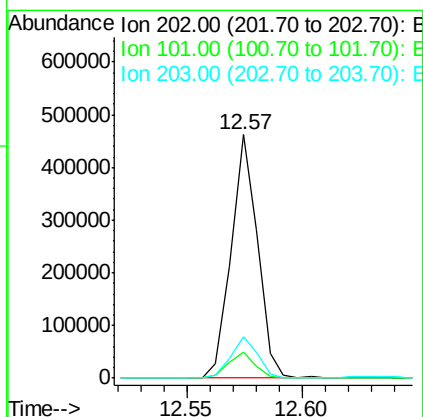
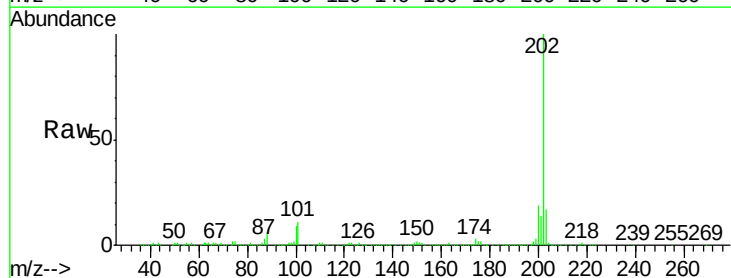
Instrument :
BNA_F
ClientSampleId :
GHD1-SB-0203-0-11

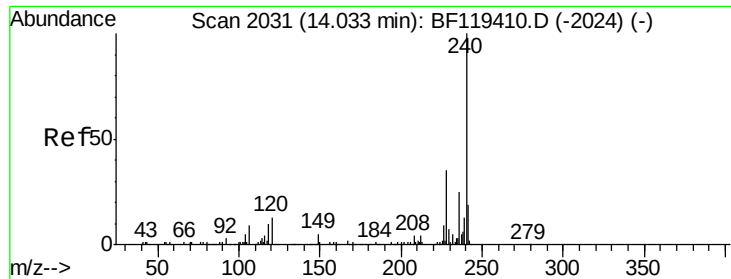
Tgt Ion:178 Resp: 161556
Ion Ratio Lower Upper
178 100
176 17.9 16.2 24.4
179 14.2 13.2 19.8



#75
Fluoranthene
Concen: 7.10 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF119612.D
Acq: 28 Mar 2020 13:09

Tgt Ion:202 Resp: 367493
Ion Ratio Lower Upper
202 100
101 10.6 0.0 32.2
203 17.2 0.0 38.8





#76

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF119612.D

Acq: 28 Mar 2020 13:09

Instrument :

BNA_F

ClientSampleId :

GHD1-SB-0203-0-11

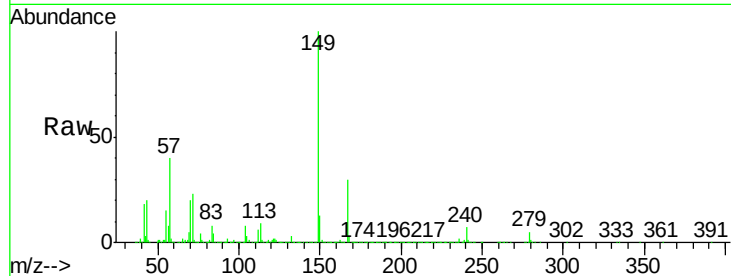
Tgt Ion:240 Resp: 286260

Ion Ratio Lower Upper

240 100

120 12.2 10.6 15.8

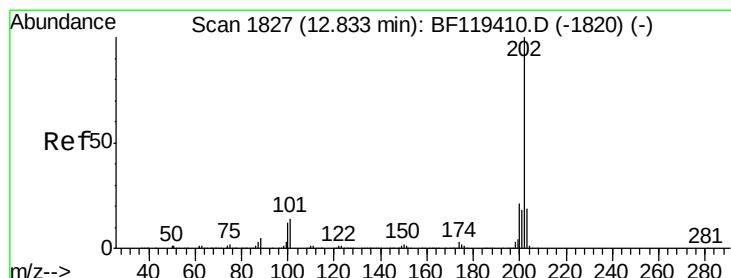
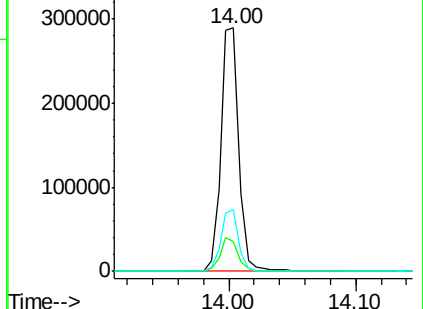
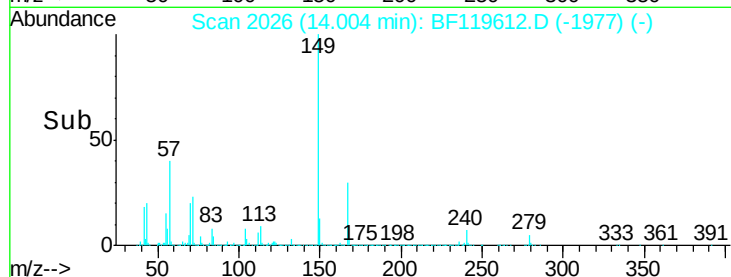
236 25.2 20.2 30.2



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



#78

Pyrene

Concen: 12.82 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF119612.D

Acq: 28 Mar 2020 13:09

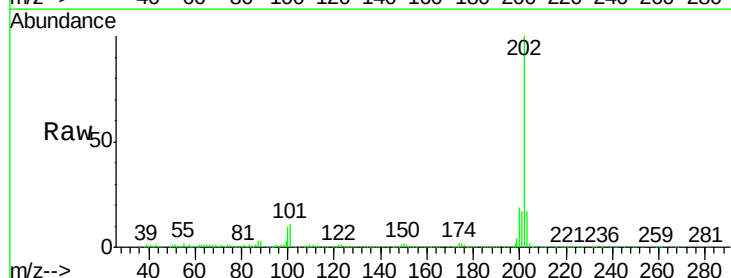
Tgt Ion:202 Resp: 301109

Ion Ratio Lower Upper

202 100

200 19.0 16.8 25.2

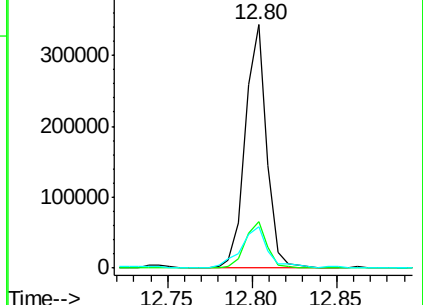
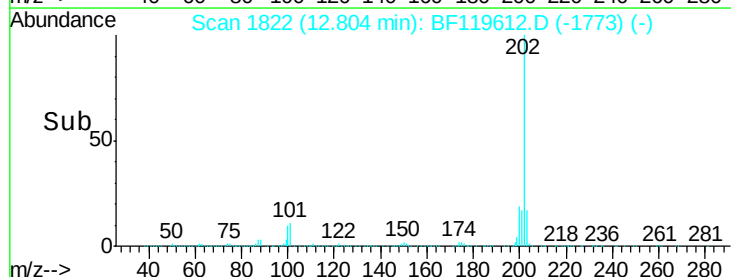
203 17.1 15.1 22.7

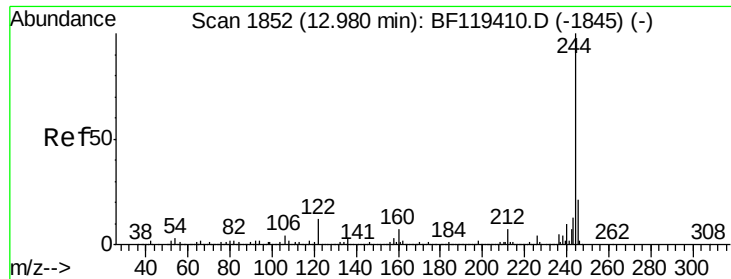


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 14.65 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.02 min

Lab File: BF119612.D

Acq: 28 Mar 2020 13:09

Instrument :

BNA_F

ClientSampleId :

GHD1-SB-0203-0-11

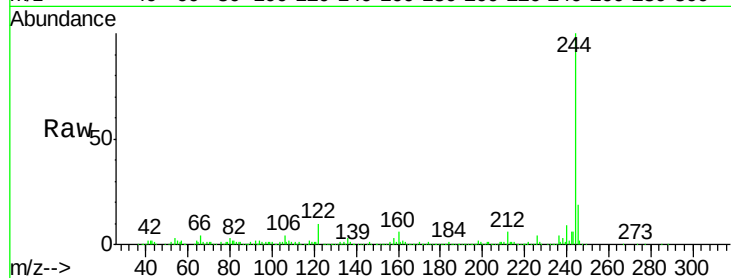
Tgt Ion:244 Resp: 214083

Ion Ratio Lower Upper

244 100

212 6.0 5.8 8.8

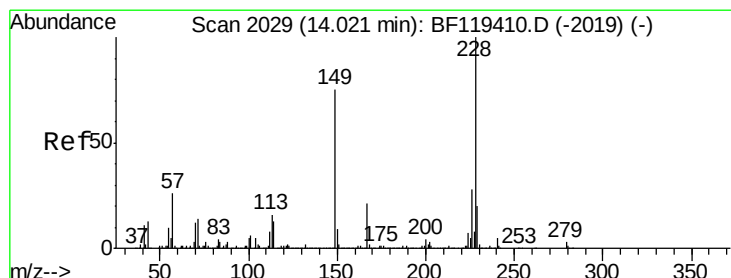
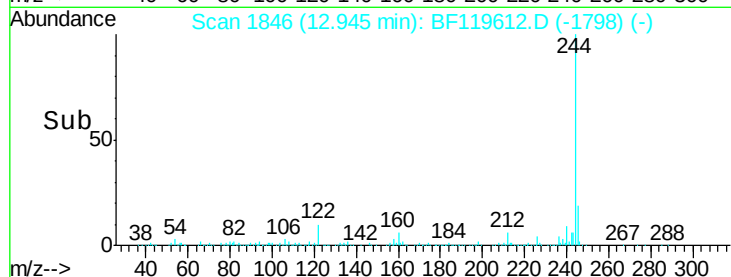
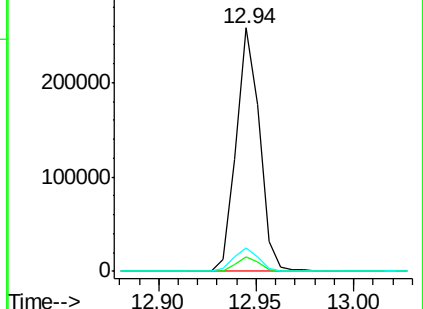
122 9.9 10.3 15.5#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 3.88 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.02 min

Lab File: BF119612.D

Acq: 28 Mar 2020 13:09

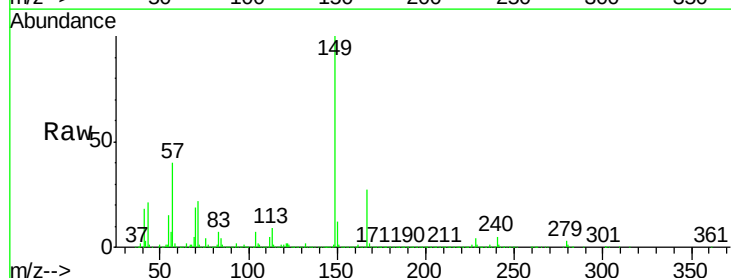
Tgt Ion:228 Resp: 72163

Ion Ratio Lower Upper

228 100

226 30.5 21.8 32.8

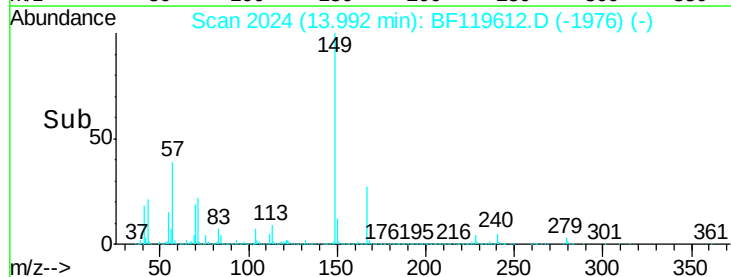
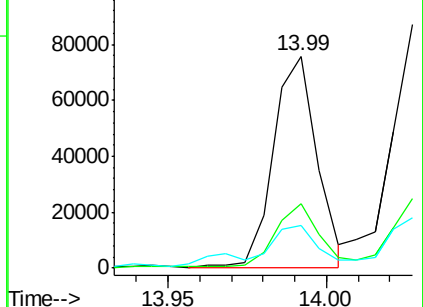
229 20.2 16.2 24.4

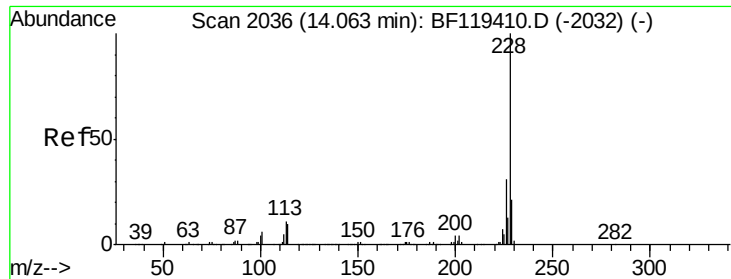


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.72 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.02 min

Lab File: BF119612.D

Acq: 28 Mar 2020 13:09

Instrument :

BNA_F

ClientSampleId :

GHD1-SB-0203-0-11

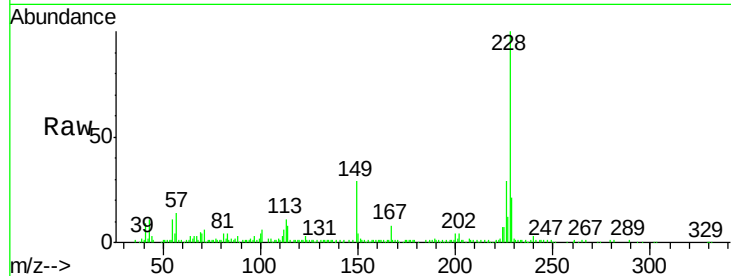
Tgt Ion:228 Resp: 71427

Ion Ratio Lower Upper

228 100

226 28.6 25.4 38.0

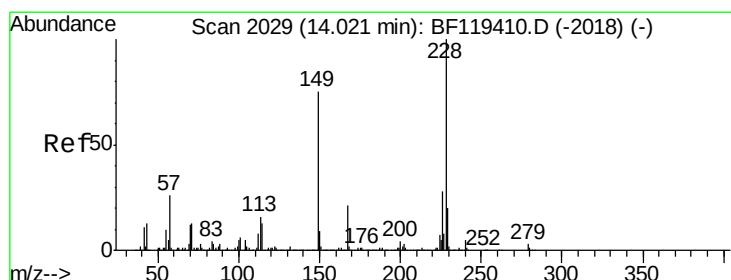
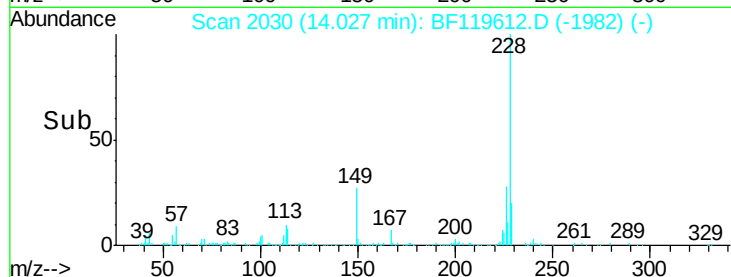
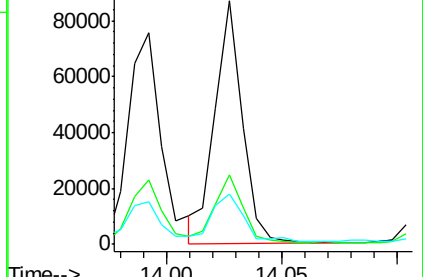
229 20.7 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 593.82 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BF119612.D

Acq: 28 Mar 2020 13:09

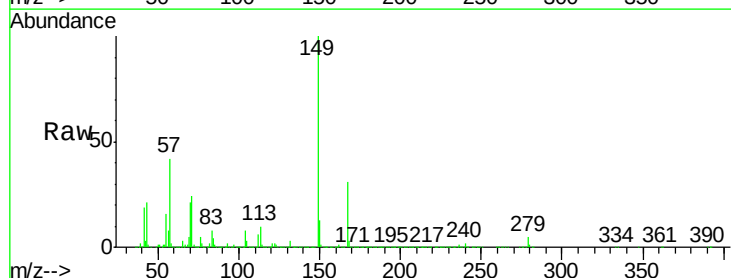
Tgt Ion:149 Resp: 6726256

Ion Ratio Lower Upper

149 100

167 30.7 21.3 31.9

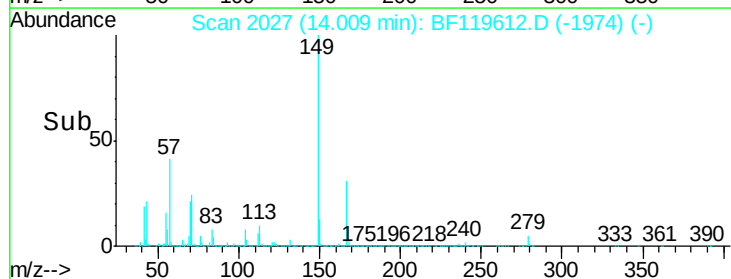
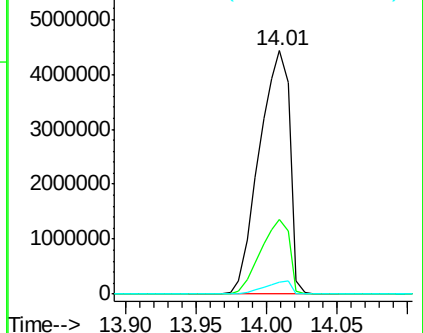
279 5.1 2.7 4.1#

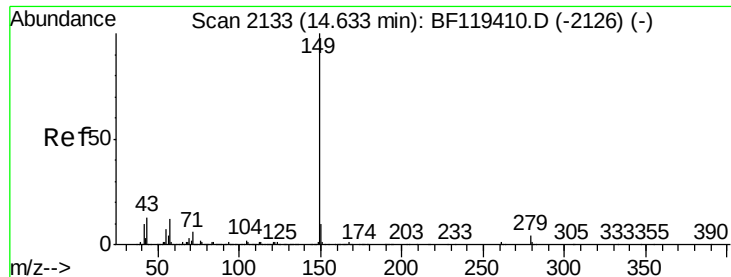


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

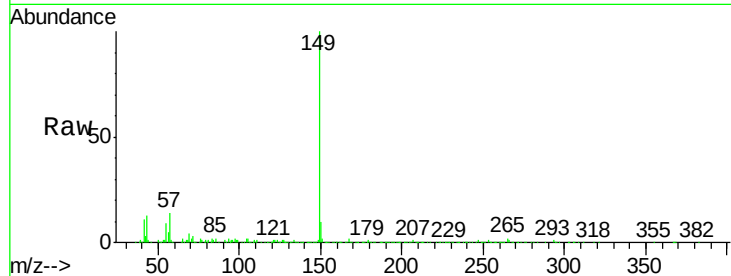




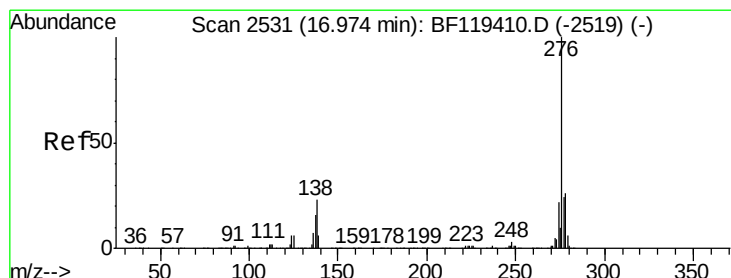
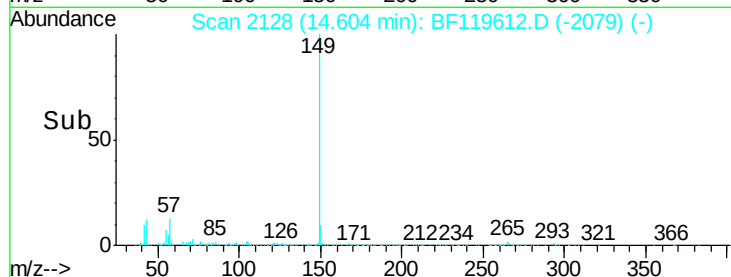
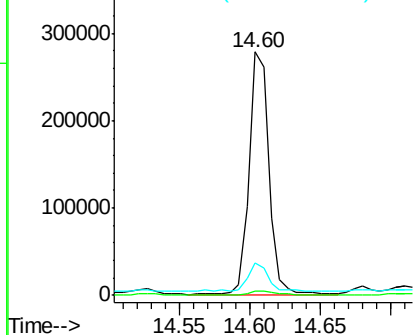
#85
Di-n-octyl phthalate
Concen: 13.78 ng
RT: 14.60 min Scan# 2128
Delta R.T. -0.01 min
Lab File: BF119612.D
Acq: 28 Mar 2020 13:09

Instrument :
BNA_F
ClientSampleId :
GHD1-SB-0203-0-11

Tgt Ion	Ratio	Lower	Upper
149	100		
167	2.3	1.2	1.8#
43	12.2	9.3	13.9

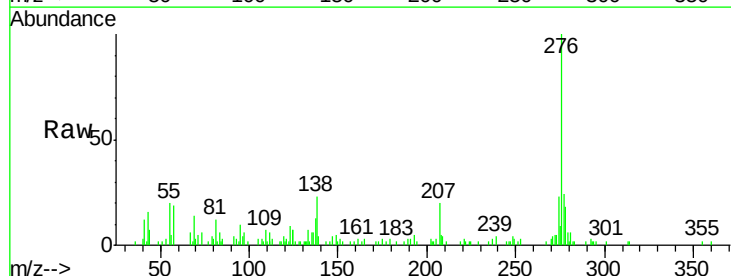


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

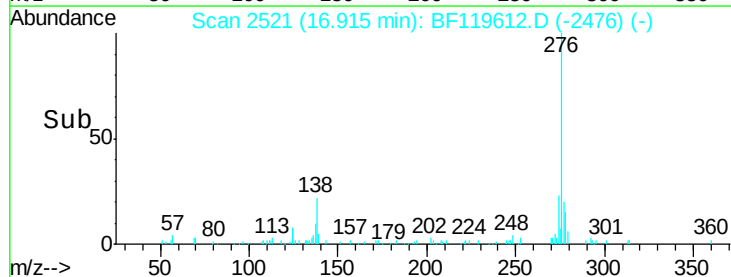
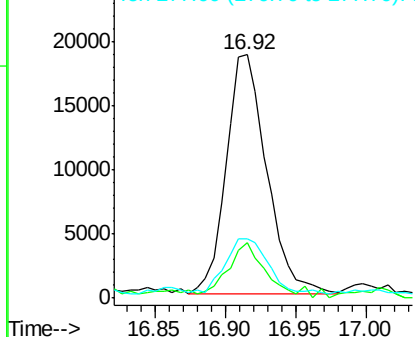


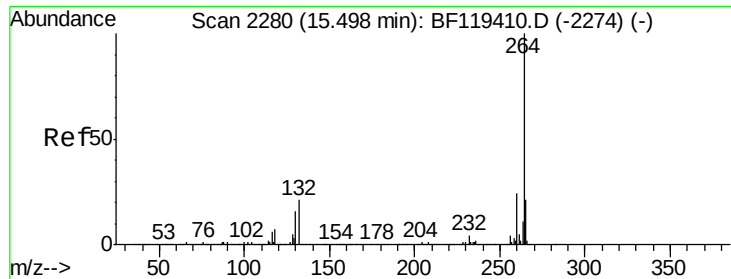
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.05 ng
RT: 16.92 min Scan# 2521
Delta R.T. -0.04 min
Lab File: BF119612.D
Acq: 28 Mar 2020 13:09

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.5	19.6	29.4
277	27.8	20.0	30.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

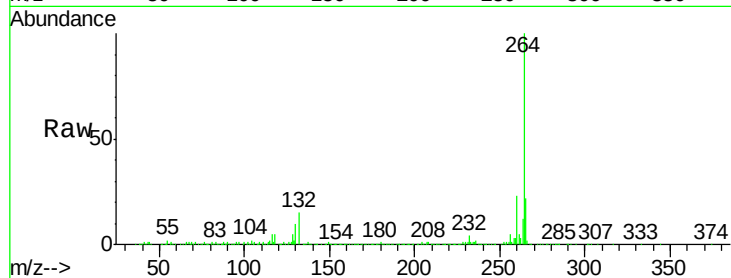




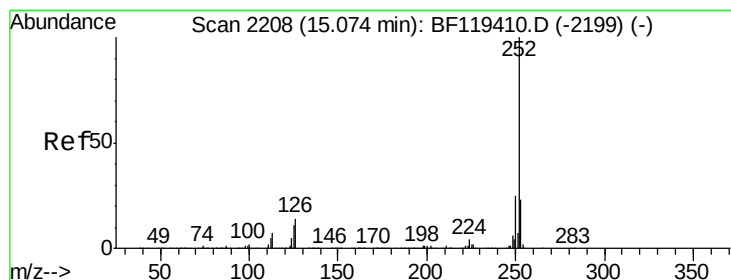
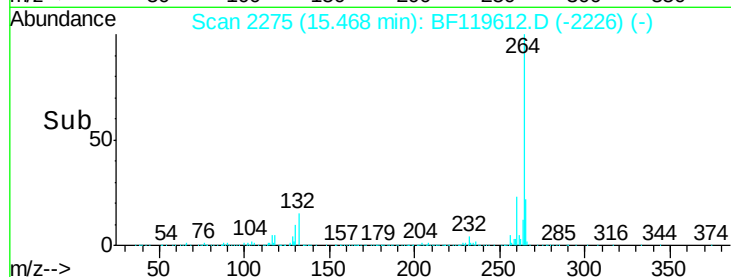
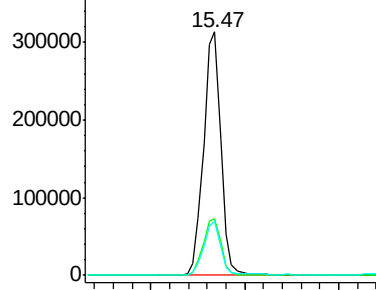
#87
Perylene-d12
 Concen: 20.00 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. -0.01 min
 Lab File: BF119612.D
 Acq: 28 Mar 2020 13:09

Instrument :
 BNA_F
 ClientSampleId :
 GHD1-SB-0203-0-11

Tgt Ion:264 Resp: 401041
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.7 28.1
 265 22.2 17.7 26.5

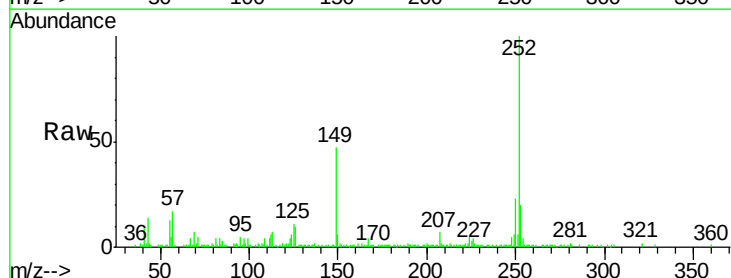


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

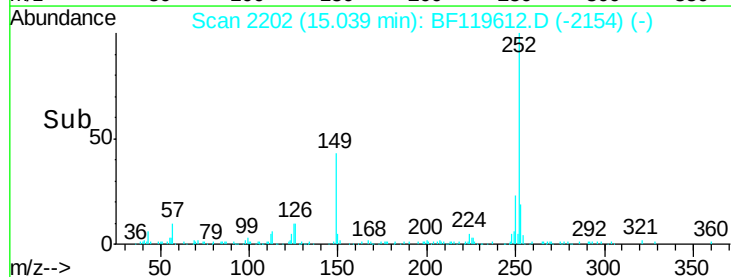
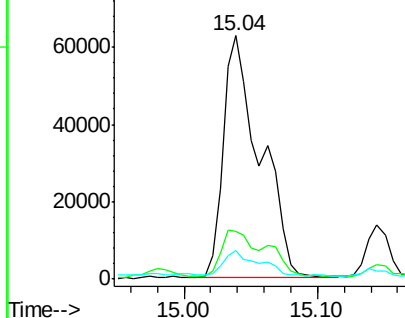


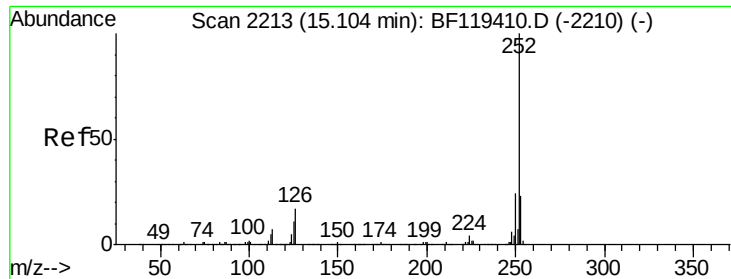
#88
Benzo(b)fluoranthene
 Concen: 4.52 ng
 RT: 15.04 min Scan# 2202
 Delta R.T. -0.02 min
 Lab File: BF119612.D
 Acq: 28 Mar 2020 13:09

Tgt Ion:252 Resp: 121205
 Ion Ratio Lower Upper
 252 100
 253 19.6 17.4 26.0
 125 11.5 7.9 11.9



Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 253.00 (252.70 to 253.70): E
 Ion 125.00 (124.70 to 125.70): E

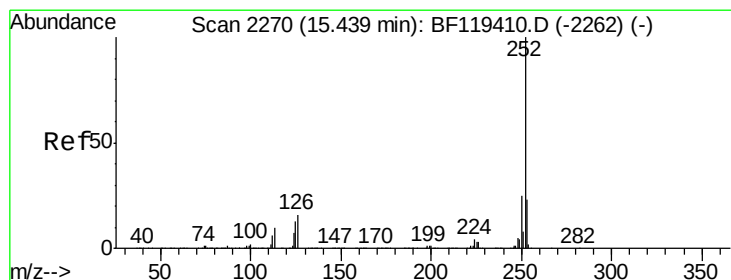
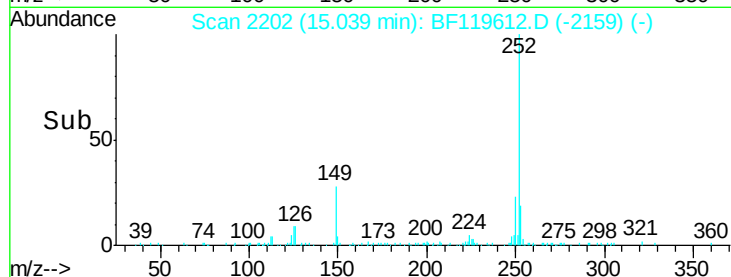
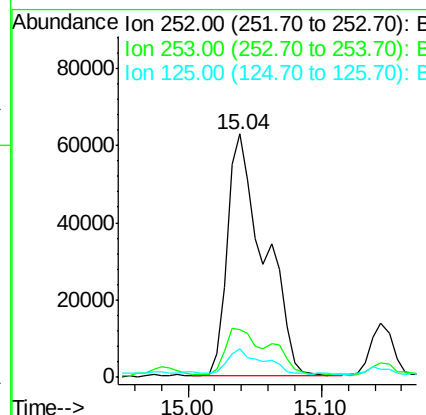
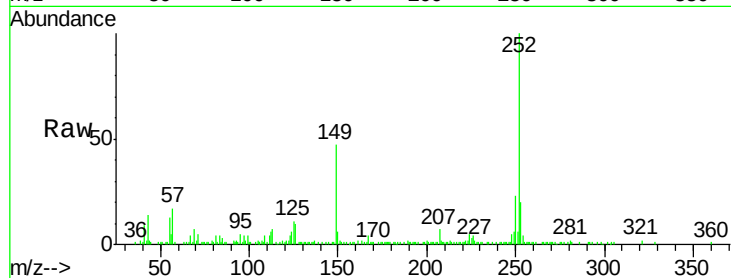




#89
Benzo(k)fluoranthene
Concen: 4.75 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.05 min
Lab File: BF119612.D
Acq: 28 Mar 2020 13:09

Instrument :
BNA_F
ClientSampleId :
GHD1-SB-0203-0-11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	19.6	17.8	26.6
125	11.5	8.4	12.6



#90
Benzo(a)pyrene
Concen: 2.61 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.02 min
Lab File: BF119612.D
Acq: 28 Mar 2020 13:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	12.7	9.4	14.2

