

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032520\
 Data File : BF119525.D
 Acq On : 26 Mar 2020 3:47
 Operator : CG/JU
 Sample : L2013-09 10X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

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

Quant Time: Mar 26 07:00:53 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	6.84	152	265058	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	998832	20.00	ng	-0.02
39) Acenaphthene-d10	9.89	164	498463	20.00	ng	-0.02
64) Phenanthrene-d10	11.37	188	901314	20.00	ng	-0.02
76) Chrysene-d12	14.02	240	320797	20.00	ng	-0.02
87) Perylene-d12	15.48	264	564479	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	171221	10.28	ng	-0.02
7) Phenol-d6	6.45	99	220170	10.35	ng	-0.02
23) Nitrobenzene-d5	7.40	82	131197	7.14	ng	-0.02
42) 2,4,6-Tribromophenol	10.67	330	56653	11.02	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	221295	6.58	ng	-0.02
79) Terphenyl-d14	12.96	244	186684	11.40	ng	-0.02

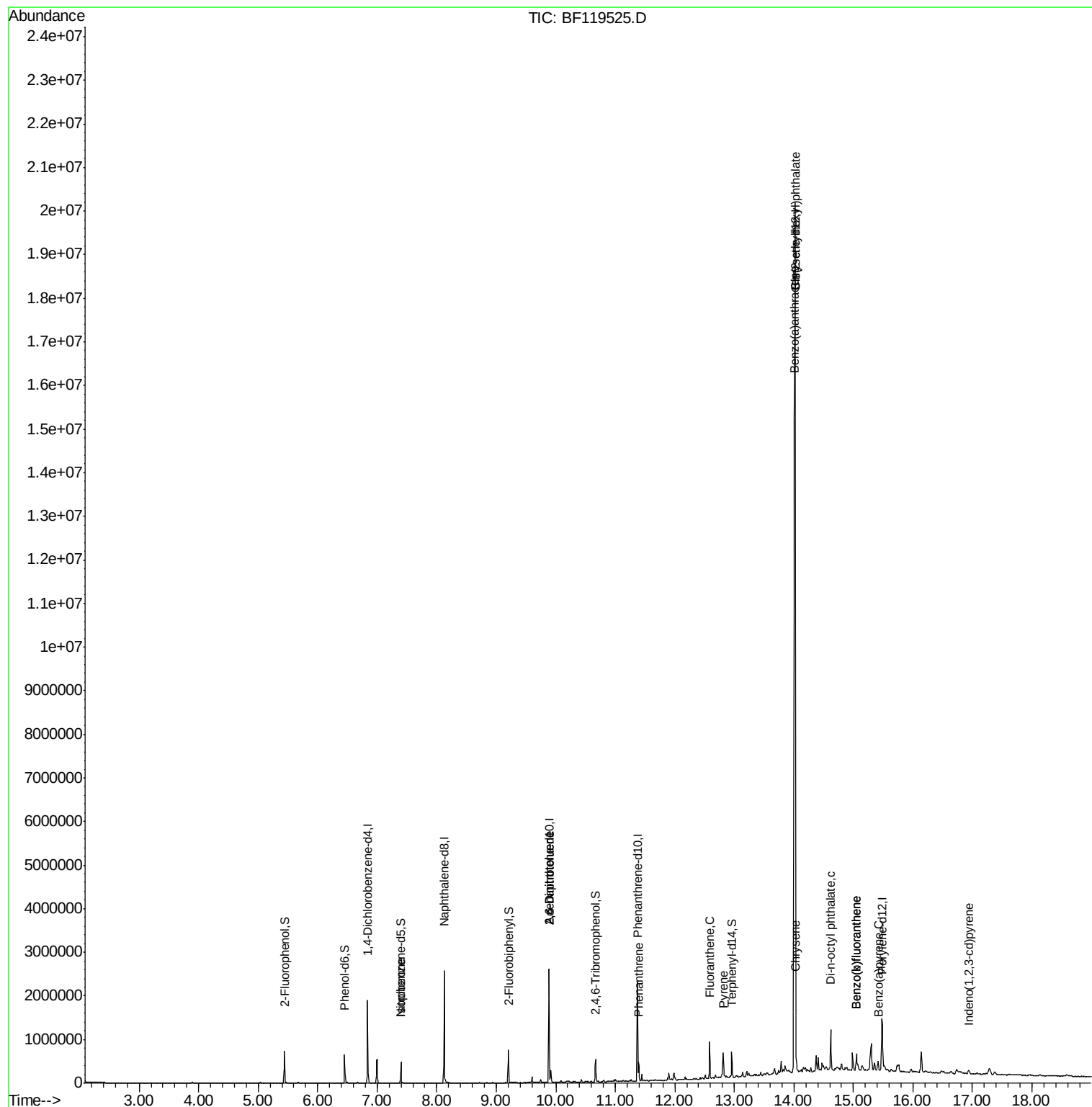
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.40	82	131086	3.516	ng	# 66
51) 2,6-Dinitrotoluene	9.89	165	65192	8.590	ng	# 19
57) 2,4-Dinitrotoluene	9.89	165	65192	6.819	ng	# 25
71) Phenanthrene	11.39	178	155642	3.330	ng	99
75) Fluoranthene	12.59	202	310069	6.130	ng	96
78) Pyrene	12.82	202	254043	9.649	ng	98
81) Benzo(a)anthracene	14.00	228	83138	3.985	ng	94
83) Chrysene	14.04	228	87012	4.042	ng	98
84) Bis(2-ethylhexyl)phthalate	14.02	149	7997587	630.046	ng	# 91
85) Di-n-octyl phthalate	14.62	149	441826	19.791	ng	# 99
86) Indeno(1,2,3-cd)pyrene	16.93	276	53584	2.643	ng	96
88) Benzo(b)fluoranthene	15.05	252	177127	4.697	ng	# 95
89) Benzo(k)fluoranthene	15.05	252	177127	4.933	ng	# 95
90) Benzo(a)pyrene	15.42	252	90441	2.639	ng	99

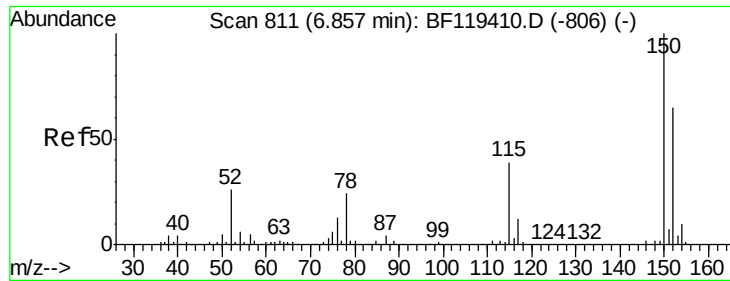
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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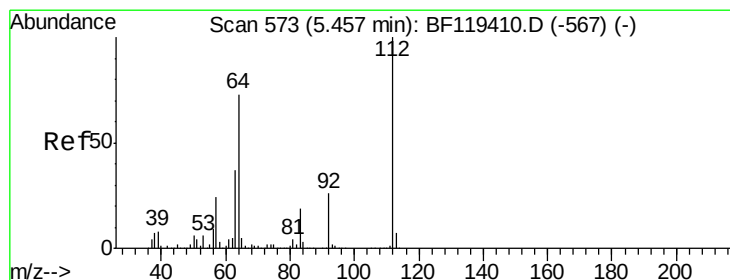
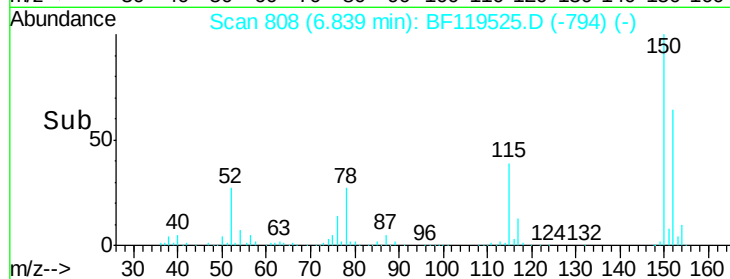
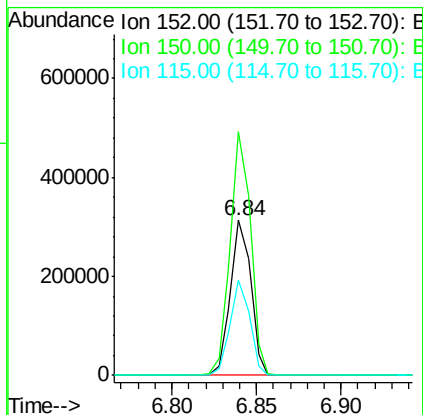
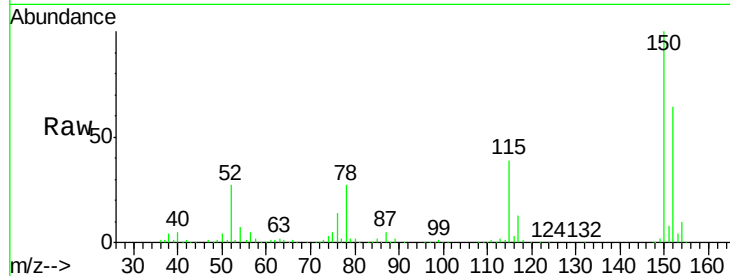


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.02 min
Lab File: BF119525.D
Acq: 26 Mar 2020 3:47

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

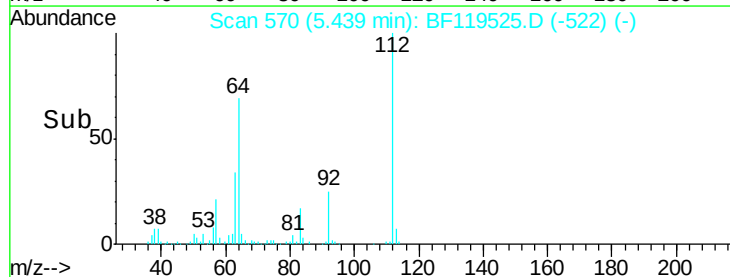
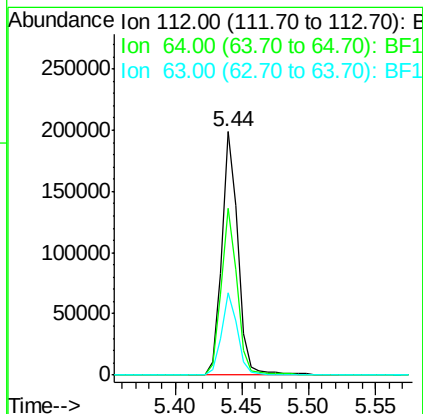
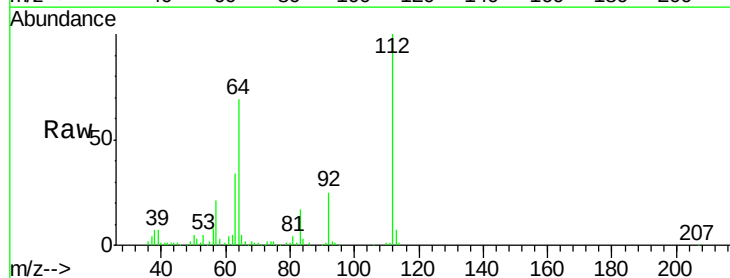
Tgt Ion:152 Resp: 265058
Ion Ratio Lower Upper
152 100
150 157.0 123.9 185.9
115 61.7 47.8 71.6

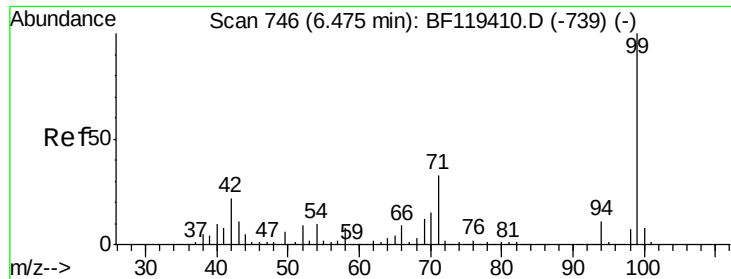


#5

2-Fluorophenol
Concen: 10.283 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.02 min
Lab File: BF119525.D
Acq: 26 Mar 2020 3:47

Tgt Ion:112 Resp: 171221
Ion Ratio Lower Upper
112 100
64 68.7 58.1 87.1
63 33.7 29.7 44.5





#7

Phenol-d6

Concen: 10.351 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.02 min

Lab File: BF119525.D

Acq: 26 Mar 2020 3:47

Instrument :

BNA_F

ClientSampleId :

GHD1-SB-0203-0-11

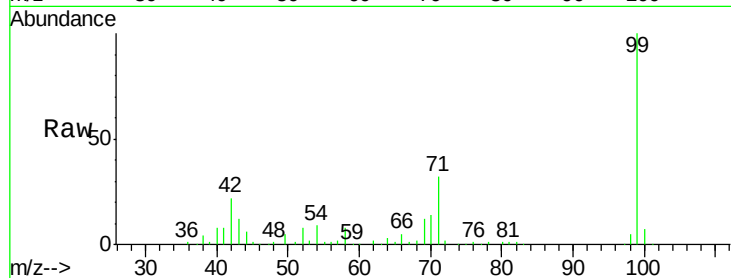
Tgt Ion: 99 Resp: 220170

Ion Ratio Lower Upper

99 100

42 21.6 17.8 26.6

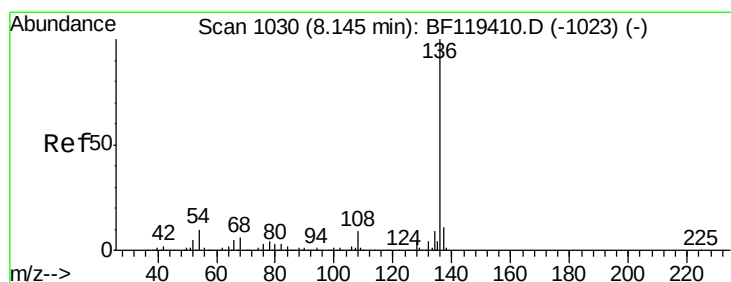
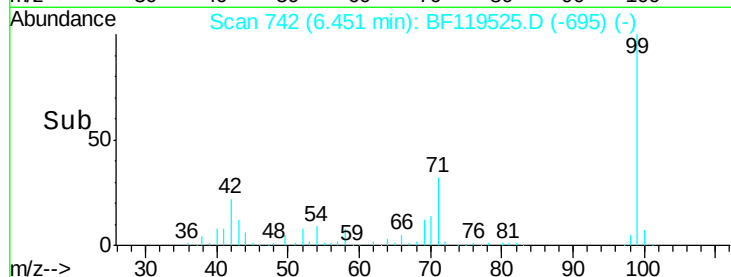
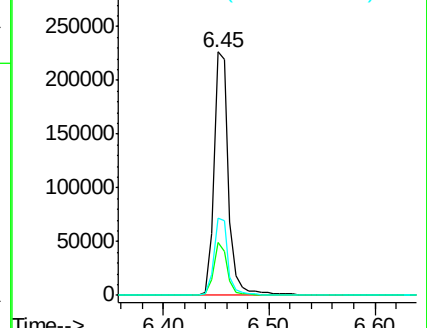
71 31.8 26.0 39.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.02 min

Lab File: BF119525.D

Acq: 26 Mar 2020 3:47

Tgt Ion: 136 Resp: 998832

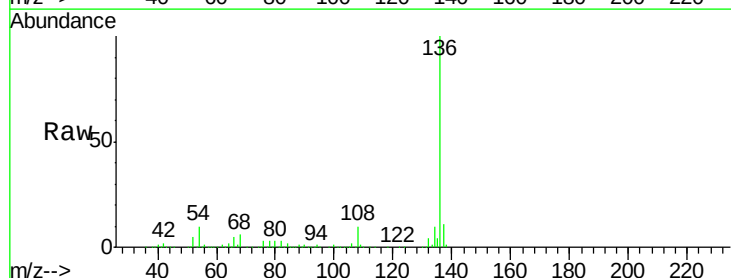
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 10.1 8.3 12.5

68 5.6 4.9 7.3

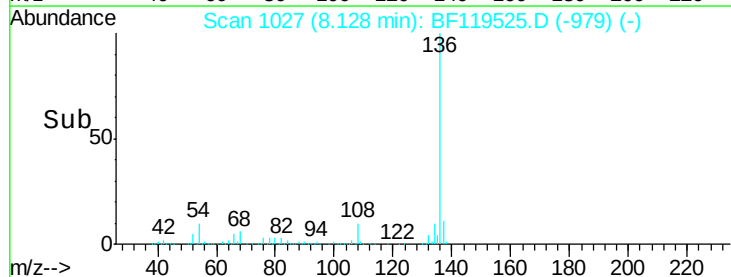
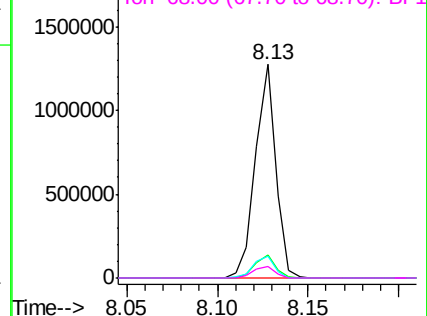


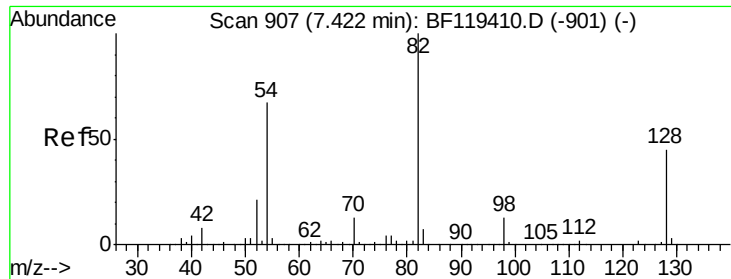
Abundance Ion 136.00 (135.70 to 136.70): E

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

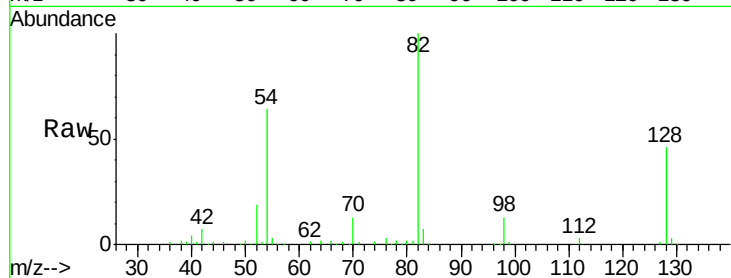




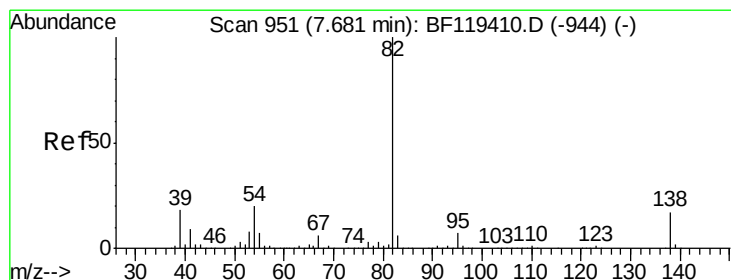
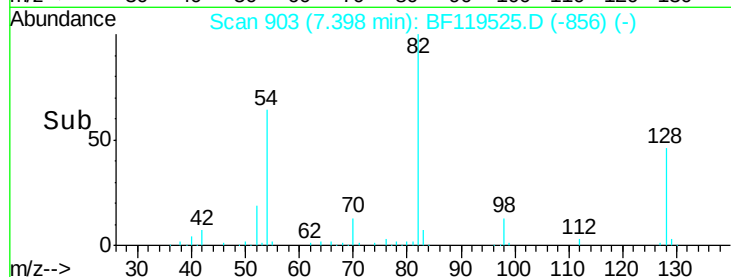
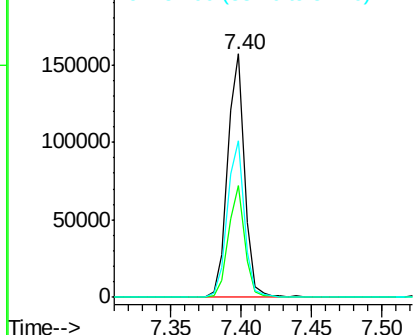
#23
Nitrobenzene-d5
Concen: 7.139 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.02 min
Lab File: BF119525.D
Acq: 26 Mar 2020 3:47

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

Tgt Ion: 82 Resp: 131197
Ion Ratio Lower Upper
82 100
128 46.0 35.8 53.8
54 64.4 53.4 80.0

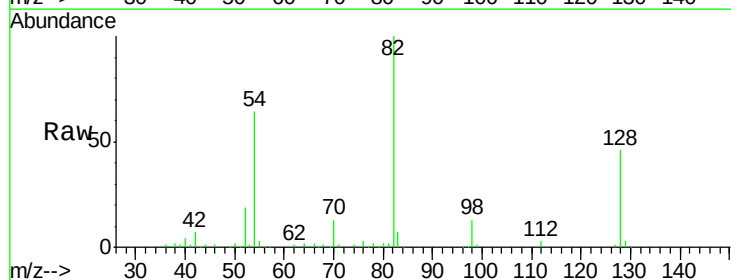


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

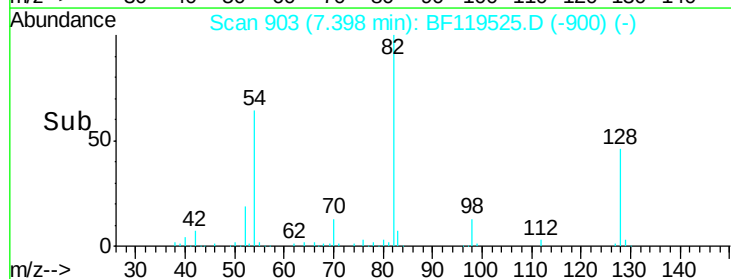
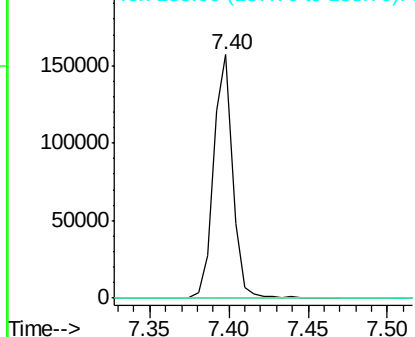


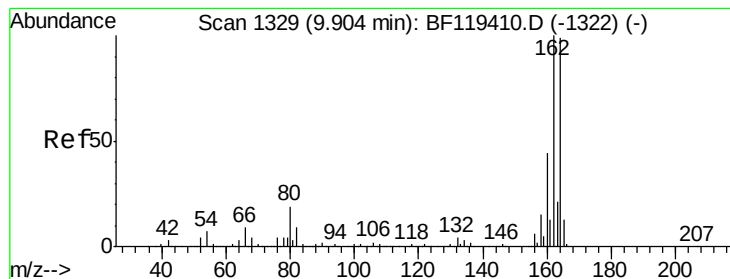
#25
Isophorone
Concen: 3.516 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.28 min
Lab File: BF119525.D
Acq: 26 Mar 2020 3:47

Tgt Ion: 82 Resp: 131086
Ion Ratio Lower Upper
82 100
95 0.0 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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.02 min

Lab File: BF119525.D

Acq: 26 Mar 2020 3:47

Instrument :

BNA_F

ClientSampleId :

GHD1-SB-0203-0-11

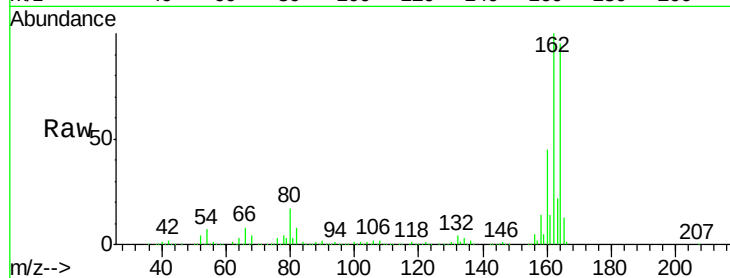
Tgt Ion:164 Resp: 498463

Ion Ratio Lower Upper

164 100

162 104.9 80.7 121.1

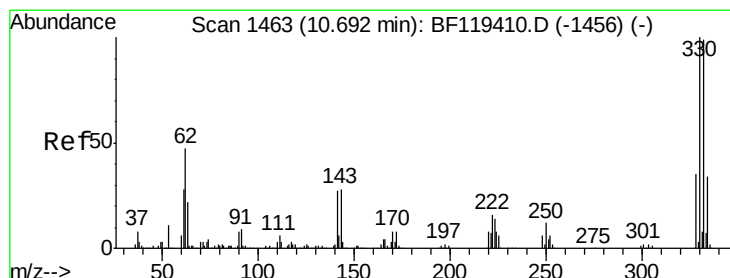
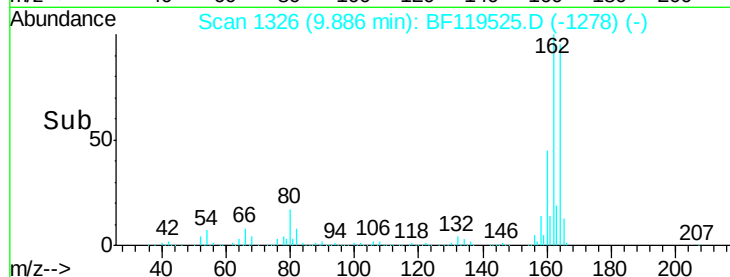
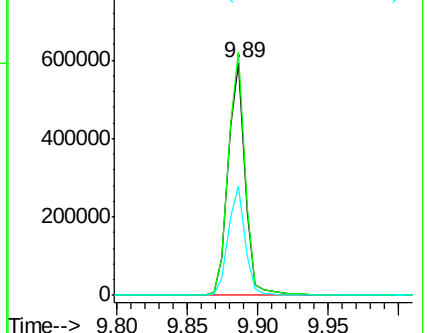
160 47.0 35.5 53.3



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: 11.017 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.02 min

Lab File: BF119525.D

Acq: 26 Mar 2020 3:47

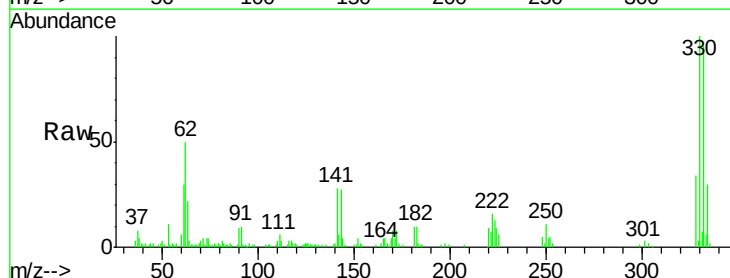
Tgt Ion:330 Resp: 56653

Ion Ratio Lower Upper

330 100

332 95.7 77.6 116.4

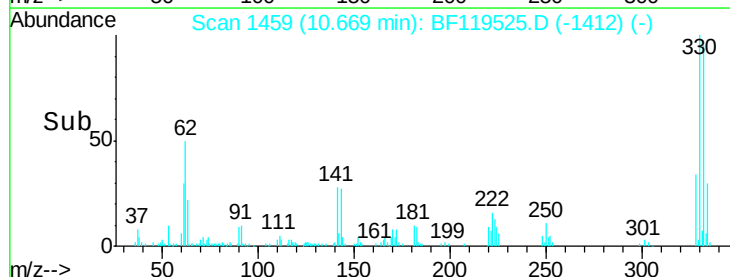
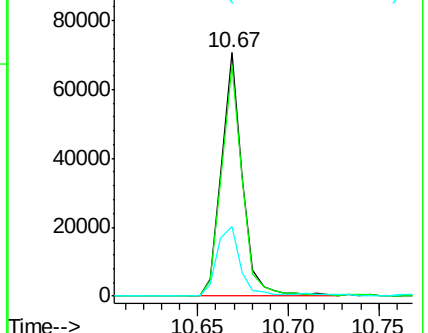
141 32.2 26.6 40.0

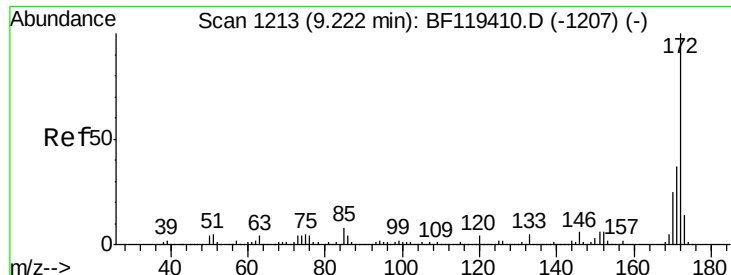


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

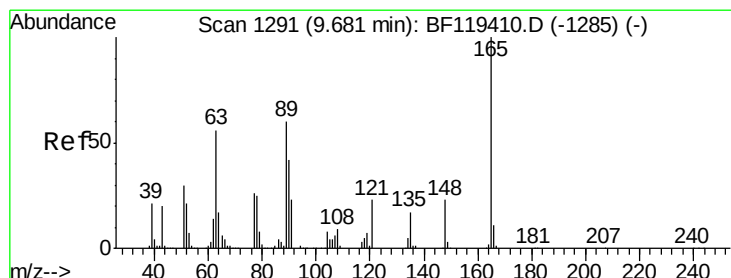
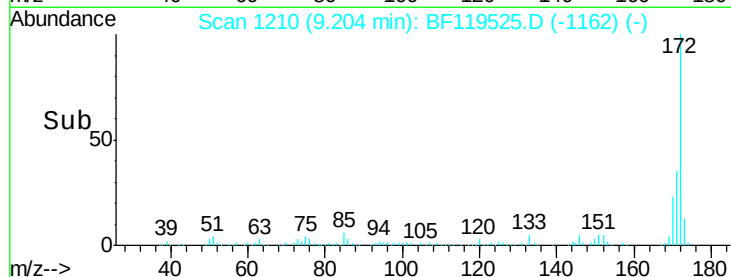
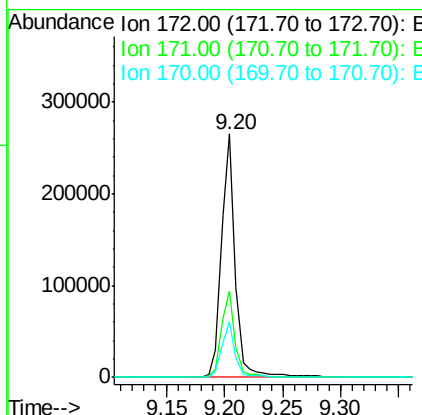
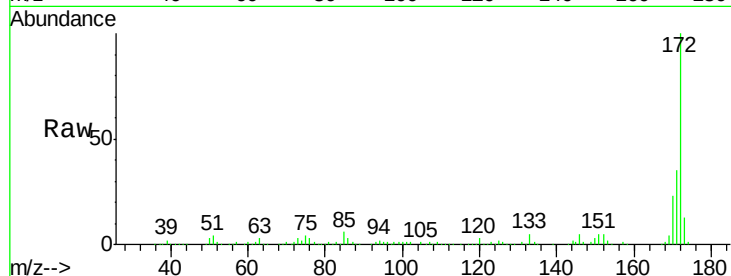




#45
 2-Fluorobiphenyl
 Concen: 6.577 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.02 min
 Lab File: BF119525.D
 Acq: 26 Mar 2020 3:47

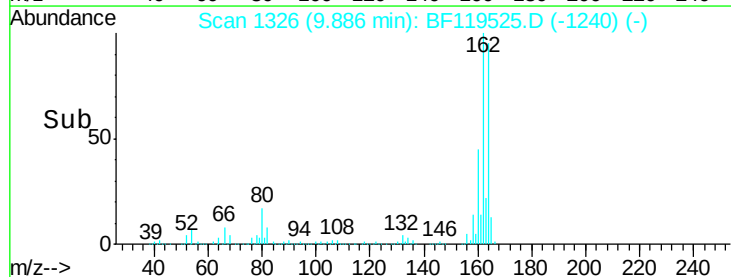
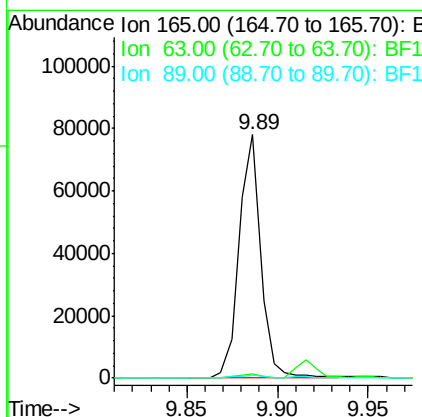
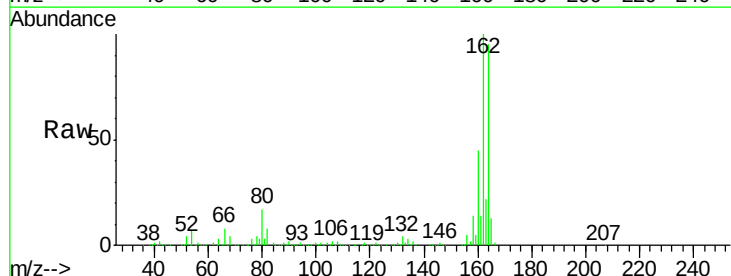
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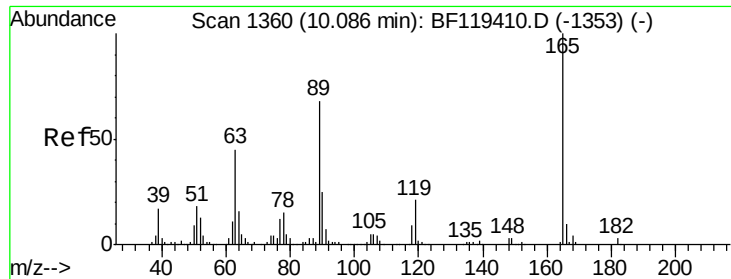
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.9	44.9
170	23.0	20.1	30.1



#51
 2,6-Dinitrotoluene
 Concen: 8.590 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.21 min
 Lab File: BF119525.D
 Acq: 26 Mar 2020 3:47

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	57.3	85.9#
89	1.0	47.8	71.8#

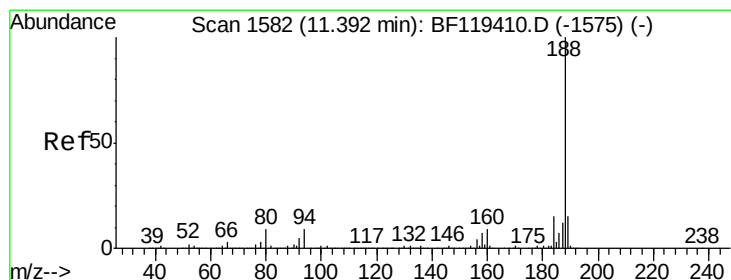
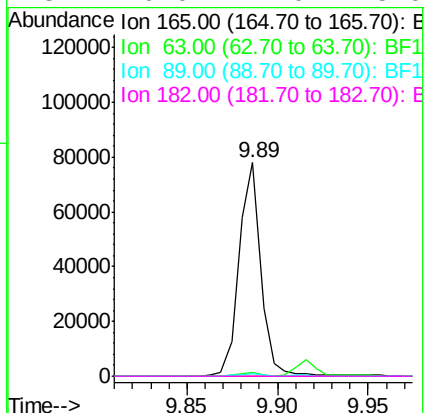
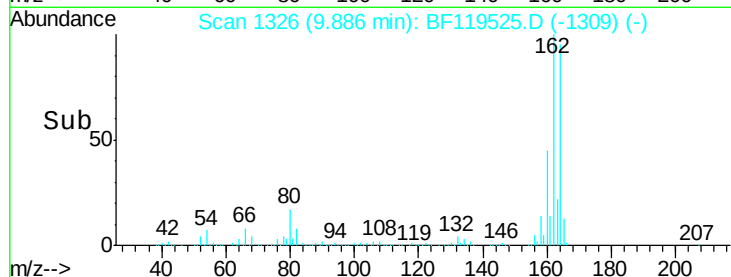
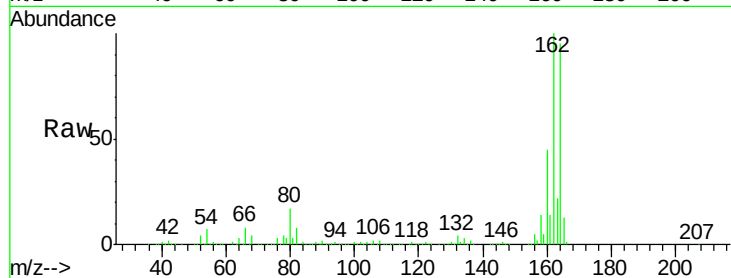




#57
 2,4-Dinitrotoluene
 Concen: 6.819 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.20 min
 Lab File: BF119525.D
 Acq: 26 Mar 2020 3:47

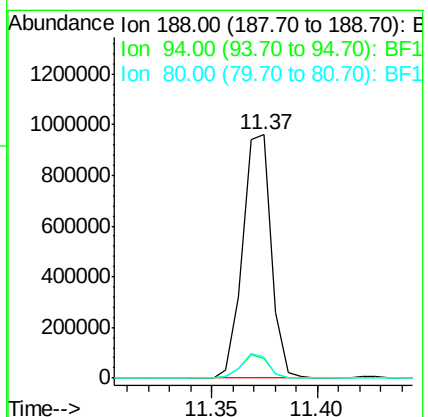
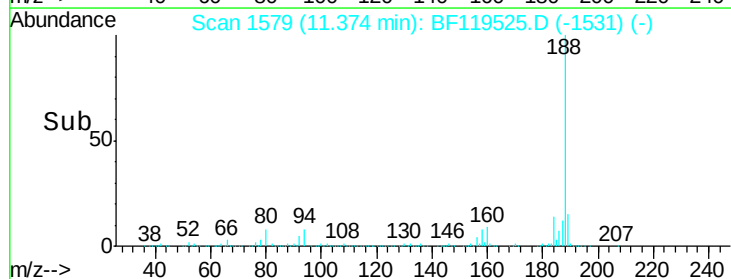
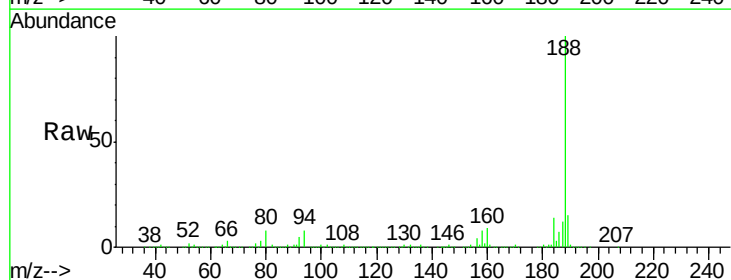
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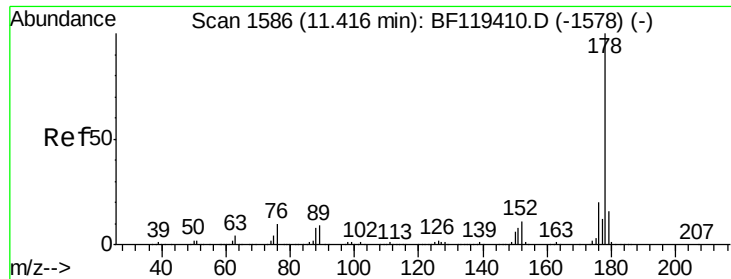
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.2	54.4#
89	1.0	54.3	81.5#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.02 min
 Lab File: BF119525.D
 Acq: 26 Mar 2020 3:47

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	7.1	10.7
80	8.4	7.5	11.3





#71

Phenanthrene

Concen: 3.330 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.02 min

Lab File: BF119525.D

Acq: 26 Mar 2020 3:47

Instrument :

BNA_F

ClientSampleId :

GHD1-SB-0203-0-11

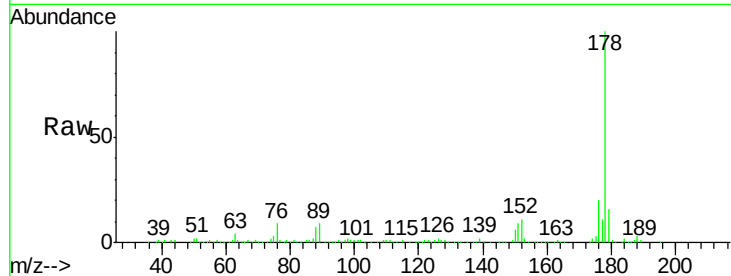
Tgt Ion:178 Resp: 155642

Ion Ratio Lower Upper

178 100

176 20.0 16.2 24.4

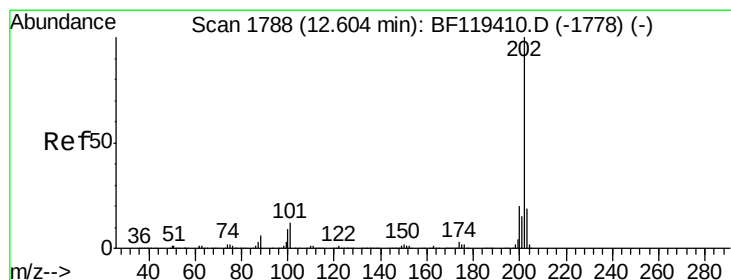
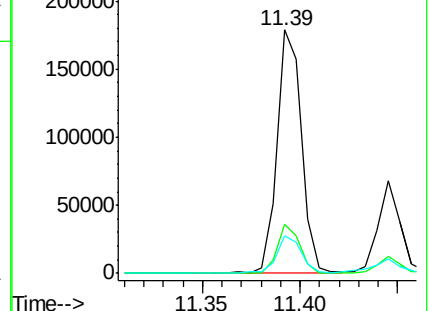
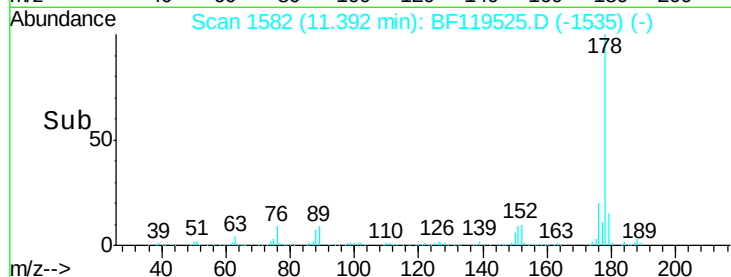
179 15.5 12.9 19.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 6.130 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.02 min

Lab File: BF119525.D

Acq: 26 Mar 2020 3:47

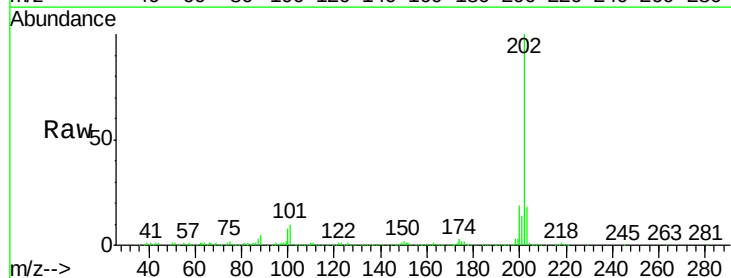
Tgt Ion:202 Resp: 310069

Ion Ratio Lower Upper

202 100

101 9.6 0.0 32.4

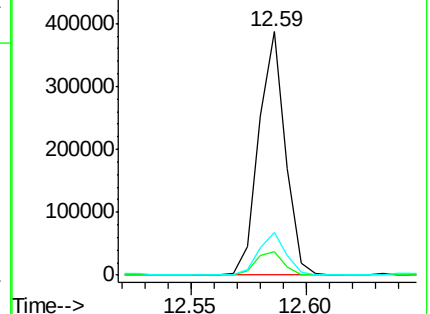
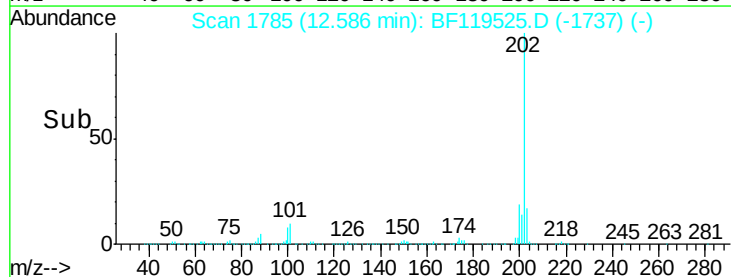
203 17.6 0.0 38.5

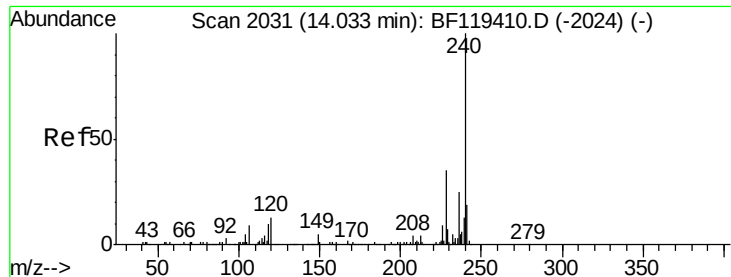


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.02 min

Lab File: BF119525.D

Acq: 26 Mar 2020 3:47

Instrument :

BNA_F

ClientSampleId :

GHD1-SB-0203-0-11

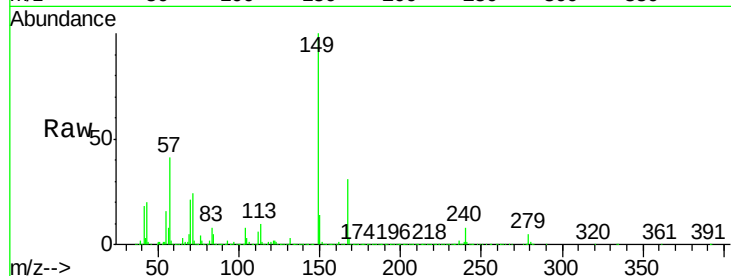
Tgt Ion:240 Resp: 320797

Ion Ratio Lower Upper

240 100

120 10.9 10.2 15.4

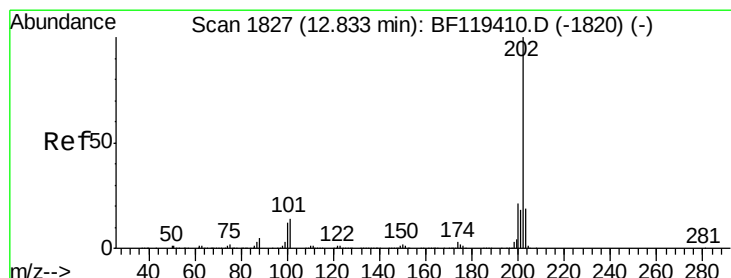
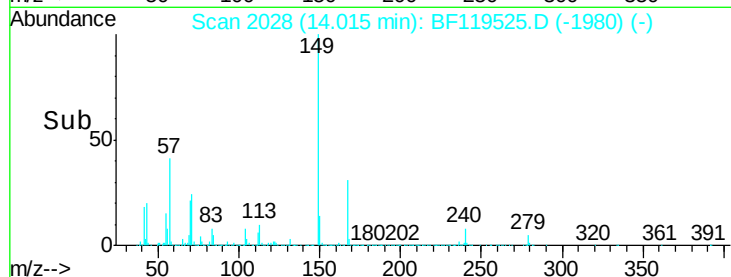
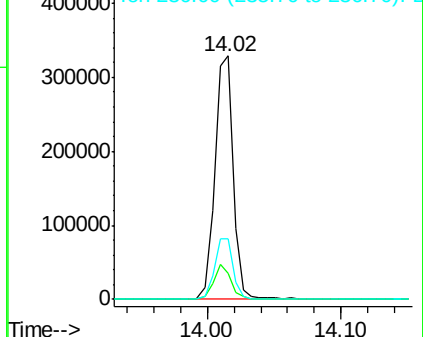
236 24.7 20.4 30.6



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: 9.649 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BF119525.D

Acq: 26 Mar 2020 3:47

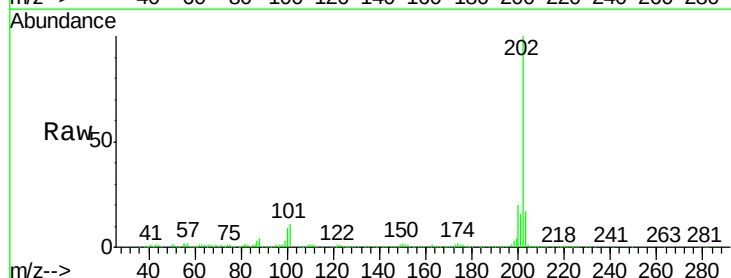
Tgt Ion:202 Resp: 254043

Ion Ratio Lower Upper

202 100

200 20.0 16.8 25.2

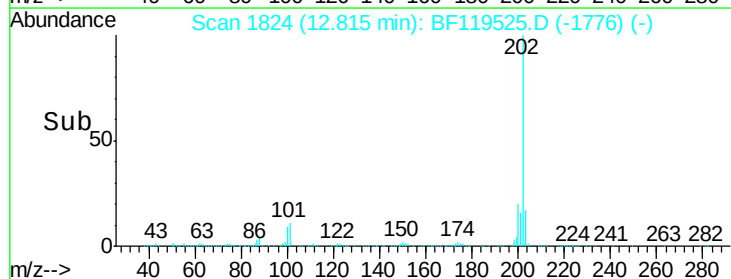
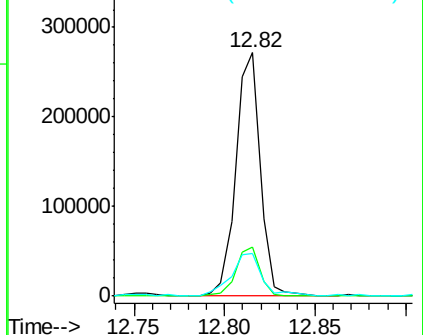
203 17.4 14.8 22.2

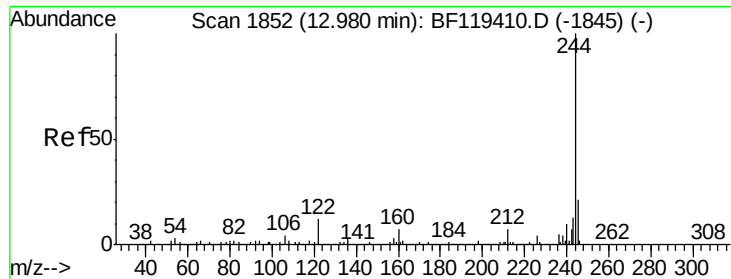


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 11.401 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.02 min

Lab File: BF119525.D

Acq: 26 Mar 2020 3:47

Instrument :

BNA_F

ClientSampleId :

GHD1-SB-0203-0-11

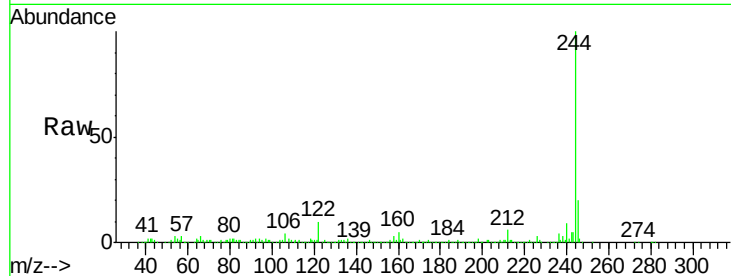
Tgt Ion:244 Resp: 186684

Ion Ratio Lower Upper

244 100

212 6.2 5.7 8.5

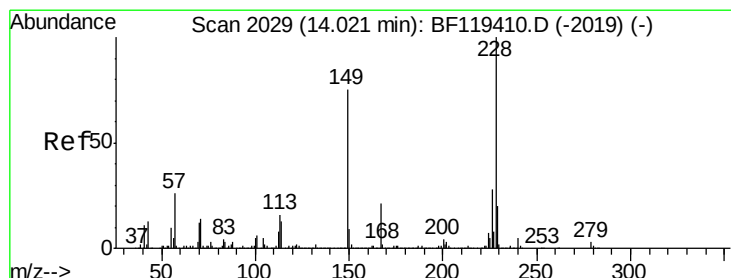
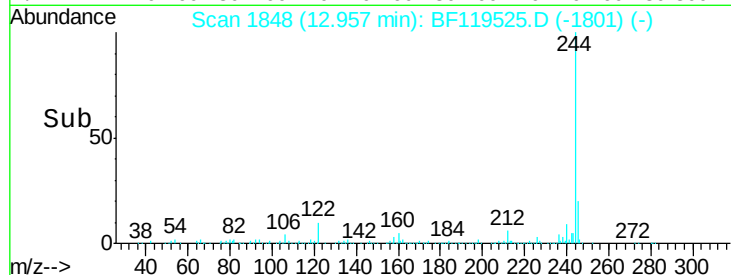
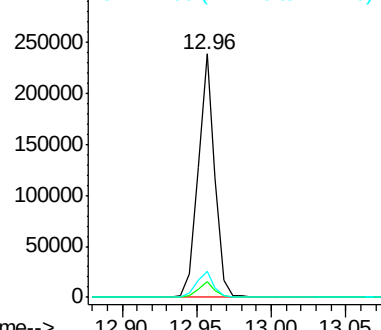
122 10.5 9.8 14.8



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



#81

Benzo(a)anthracene

Concen: 3.985 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.02 min

Lab File: BF119525.D

Acq: 26 Mar 2020 3:47

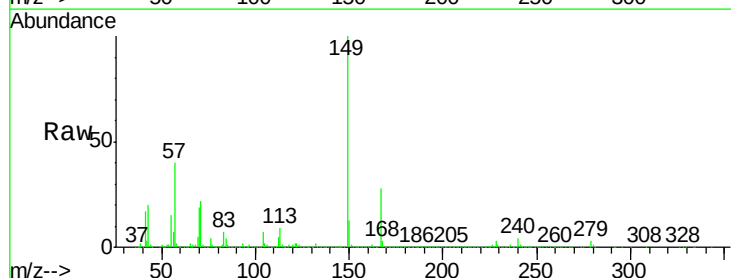
Tgt Ion:228 Resp: 83138

Ion Ratio Lower Upper

228 100

226 33.3 22.3 33.5

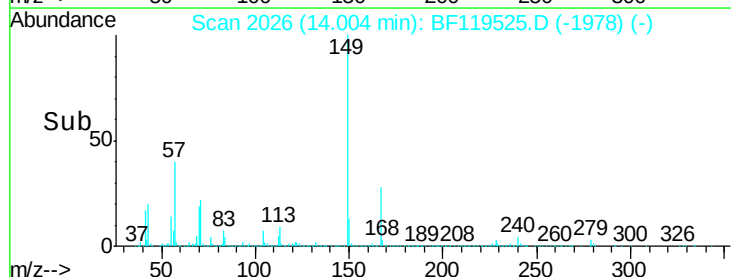
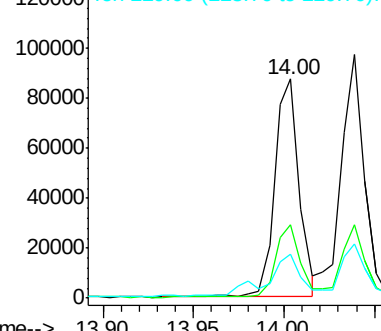
229 19.9 16.3 24.5

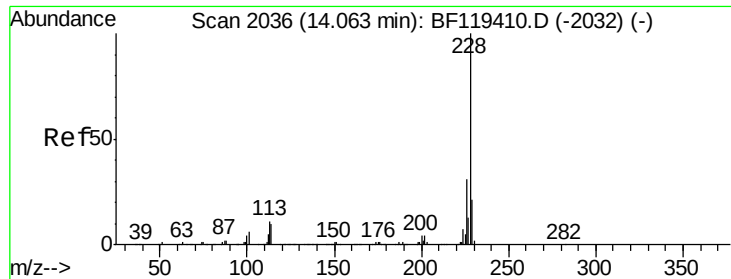


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.042 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.02 min

Lab File: BF119525.D

Acq: 26 Mar 2020 3:47

Instrument :

BNA_F

ClientSampleId :

GHD1-SB-0203-0-11

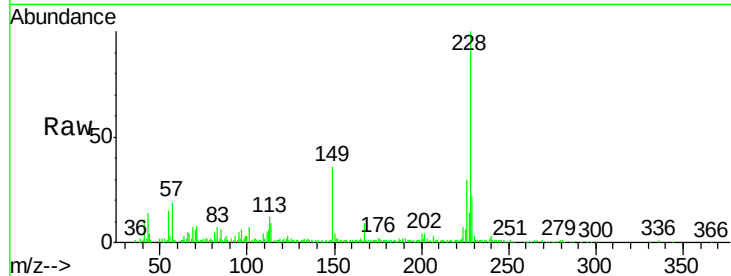
Tgt Ion: 228 Resp: 87012

Ion Ratio Lower Upper

228 100

226 30.3 24.8 37.2

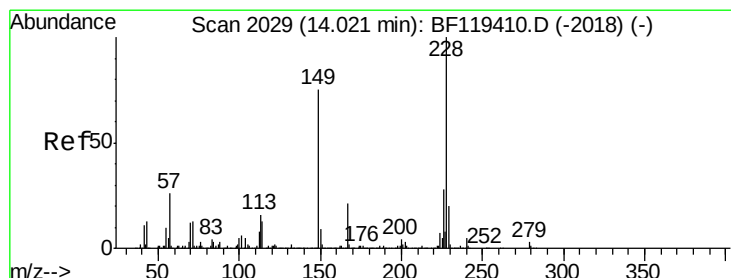
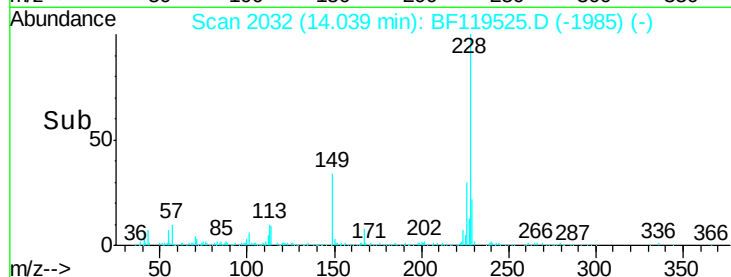
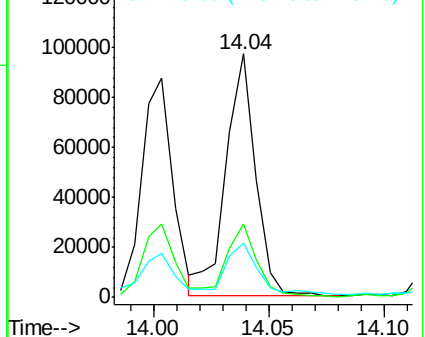
229 22.5 16.6 25.0



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: 630.046 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BF119525.D

Acq: 26 Mar 2020 3:47

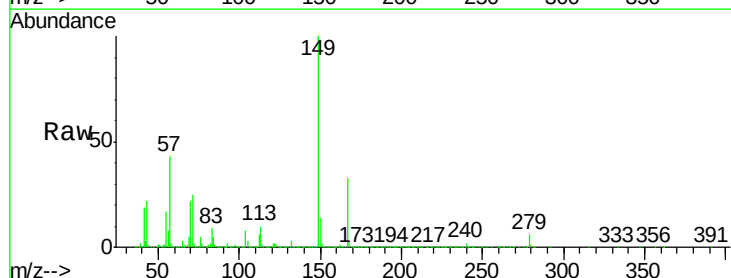
Tgt Ion: 149 Resp: 7997587

Ion Ratio Lower Upper

149 100

167 32.7 22.0 33.0

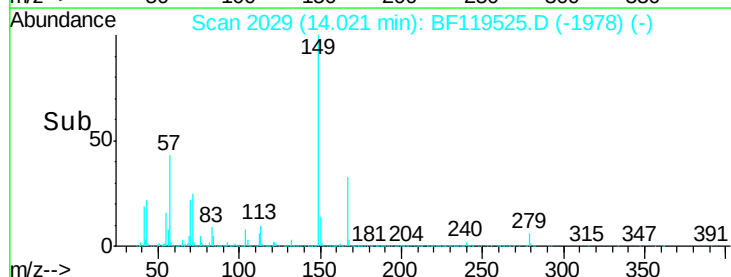
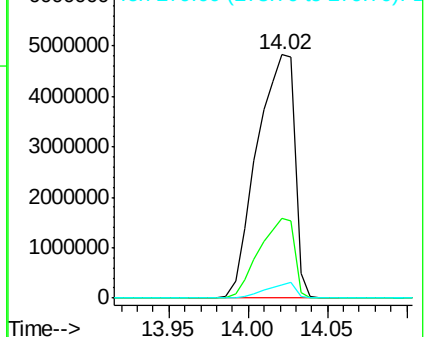
279 5.6 3.2 4.8#

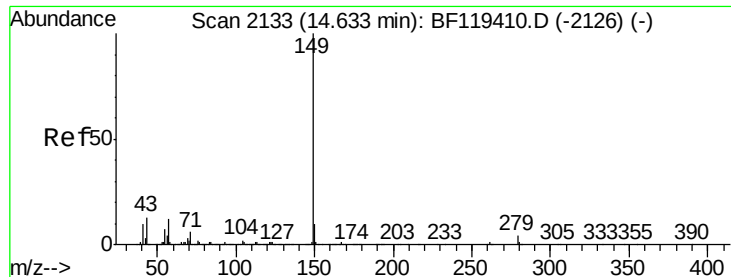


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 19.791 ng

RT: 14.62 min Scan# 2131

Delta R.T. -0.01 min

Lab File: BF119525.D

Acq: 26 Mar 2020 3:47

Instrument :

BNA_F

ClientSampleId :

GHD1-SB-0203-0-11

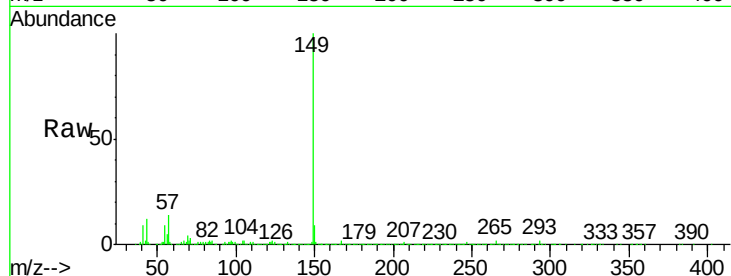
Tgt Ion:149 Resp: 441826

Ion Ratio Lower Upper

149 100

167 2.3 1.1 1.7#

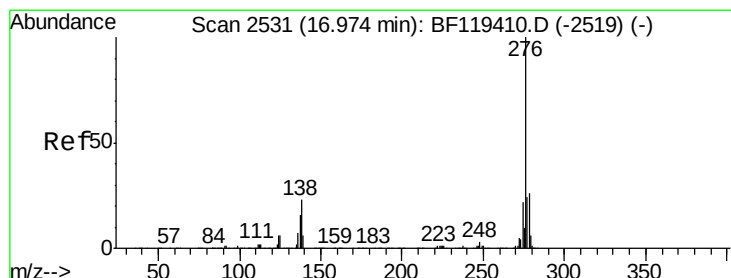
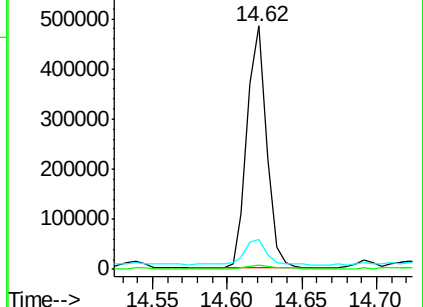
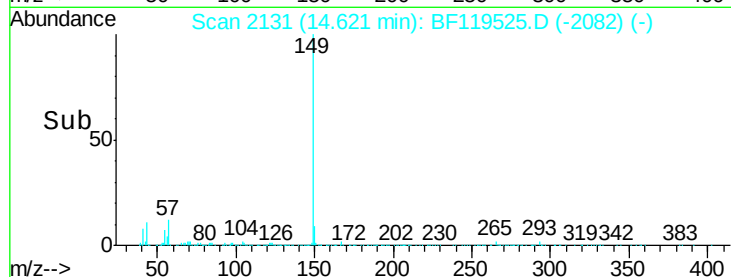
43 12.4 10.1 15.1



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: 2.643 ng

RT: 16.93 min Scan# 2524

Delta R.T. -0.04 min

Lab File: BF119525.D

Acq: 26 Mar 2020 3:47

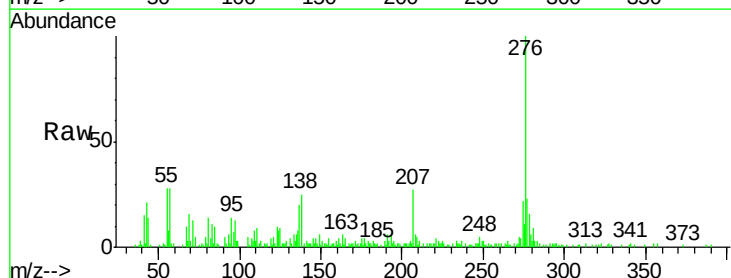
Tgt Ion:276 Resp: 53584

Ion Ratio Lower Upper

276 100

138 24.4 21.3 31.9

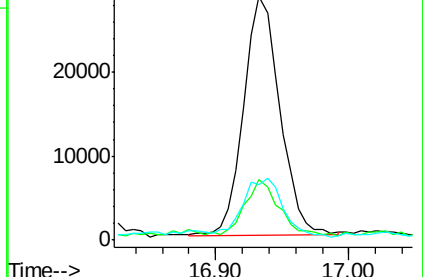
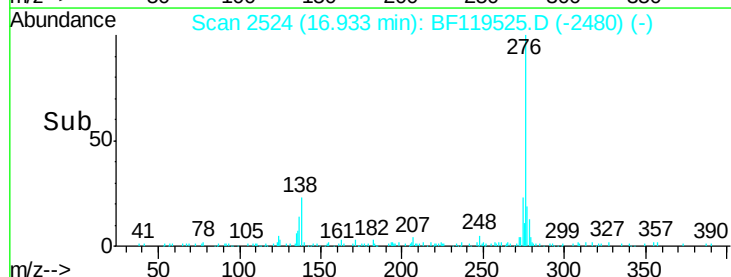
277 27.2 20.2 30.2

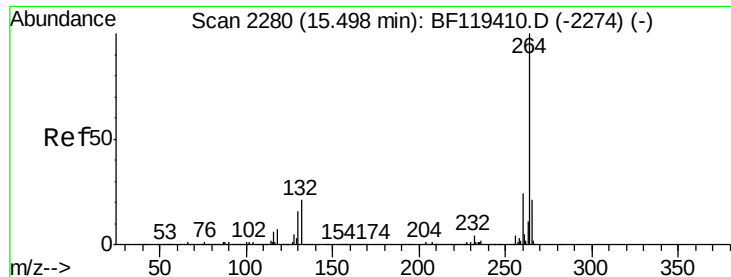


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.48 min Scan# 2277

Delta R.T. -0.02 min

Lab File: BF119525.D

Acq: 26 Mar 2020 3:47

Instrument :

BNA_F

ClientSampleId :

GHD1-SB-0203-0-11

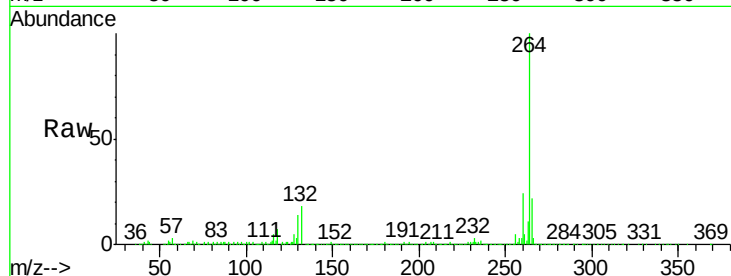
Tgt Ion:264 Resp: 564479

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

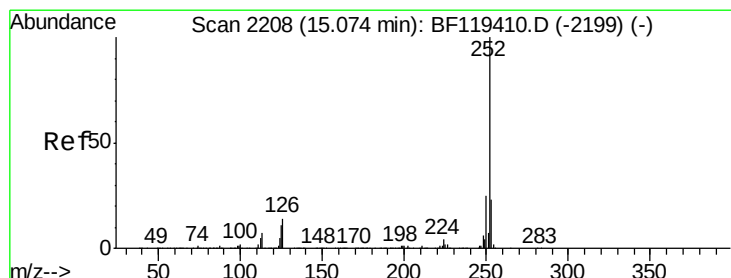
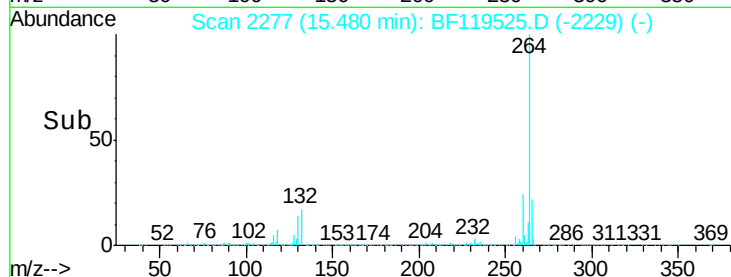
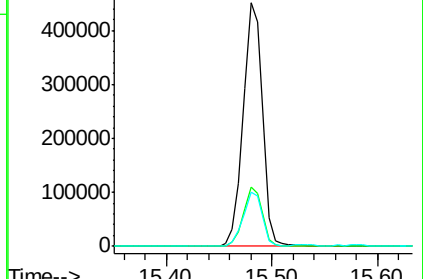
265 22.4 16.9 25.3



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



#88

Benzo(b)fluoranthene

Concen: 4.697 ng

RT: 15.05 min Scan# 2204

Delta R.T. -0.02 min

Lab File: BF119525.D

Acq: 26 Mar 2020 3:47

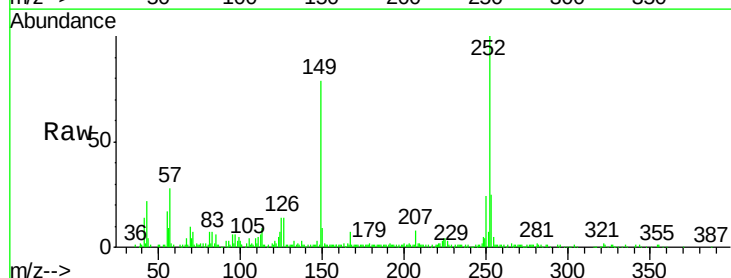
Tgt Ion:252 Resp: 177127

Ion Ratio Lower Upper

252 100

253 24.7 18.2 27.4

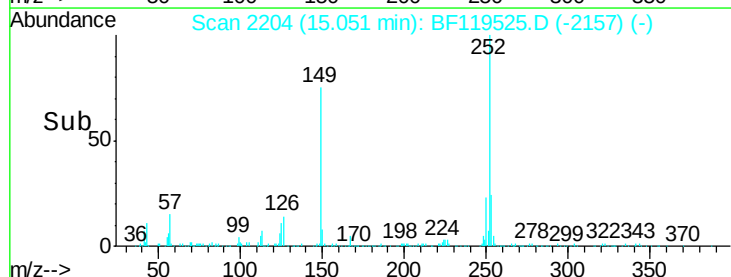
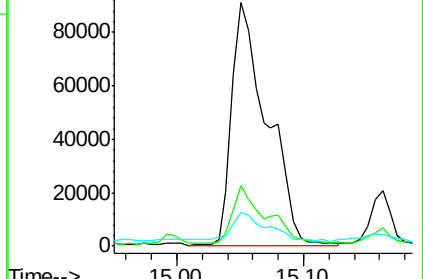
125 13.9 8.8 13.2#

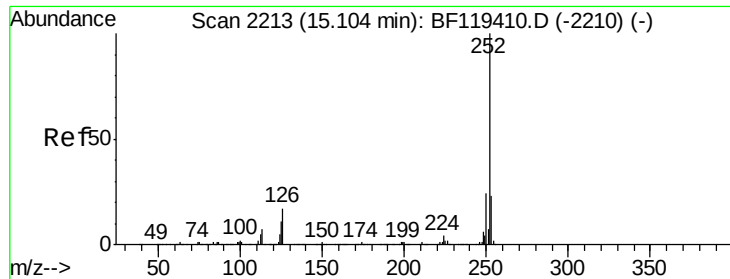


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

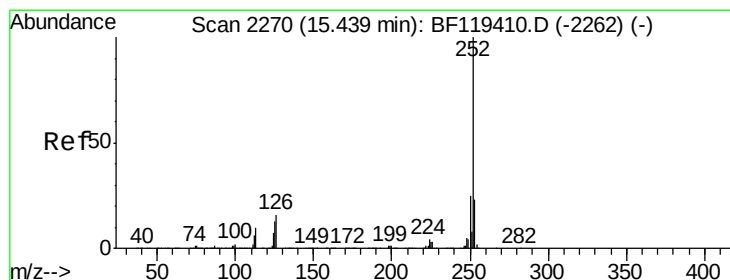
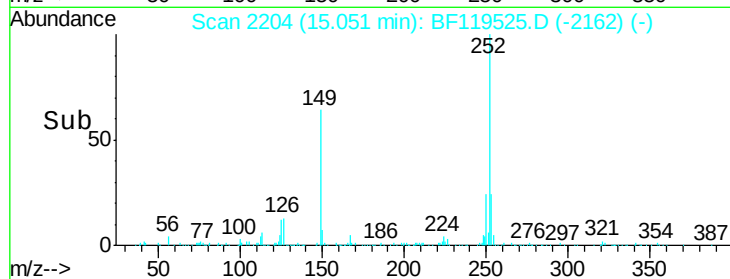
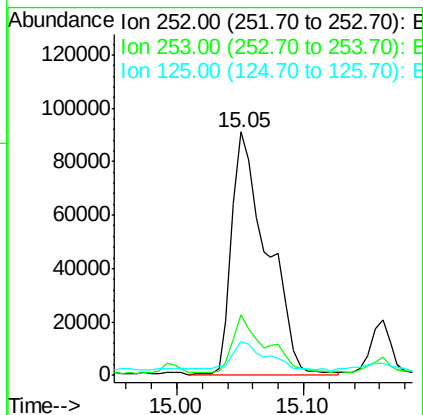
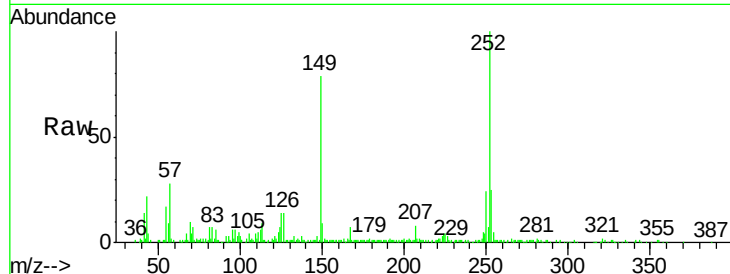




#89
Benzo(k)fluoranthene
Concen: 4.933 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.05 min
Lab File: BF119525.D
Acq: 26 Mar 2020 3:47

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

Tgt Ion:252 Resp: 177127
Ion Ratio Lower Upper
252 100
253 24.7 18.2 27.4
125 13.9 9.0 13.4#



#90
Benzo(a)pyrene
Concen: 2.639 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.02 min
Lab File: BF119525.D
Acq: 26 Mar 2020 3:47

Tgt Ion:252 Resp: 90441
Ion Ratio Lower Upper
252 100
253 22.8 18.2 27.4
125 13.4 10.2 15.2

