

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032520\
 Data File : BF119522.D
 Acq On : 26 Mar 2020 2:10
 Operator : CG/JU
 Sample : L2013-06 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GHD1-1BC-IB-0-5

Quant Time: Mar 26 07:00:03 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	292236	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	1101176	20.00	ng	-0.02
39) Acenaphthene-d10	9.89	164	569077	20.00	ng	-0.02
64) Phenanthrene-d10	11.37	188	1037028	20.00	ng	-0.02
76) Chrysene-d12	14.01	240	609415	20.00	ng	-0.02
87) Perylene-d12	15.48	264	576048	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	220363	12.00	ng	-0.02
7) Phenol-d6	6.45	99	290537	12.39	ng	-0.02
23) Nitrobenzene-d5	7.40	82	171954	8.49	ng	-0.02
42) 2,4,6-Tribromophenol	10.67	330	79866	13.60	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	367927	9.58	ng	-0.02
79) Terphenyl-d14	12.96	244	371130	11.93	ng	-0.02

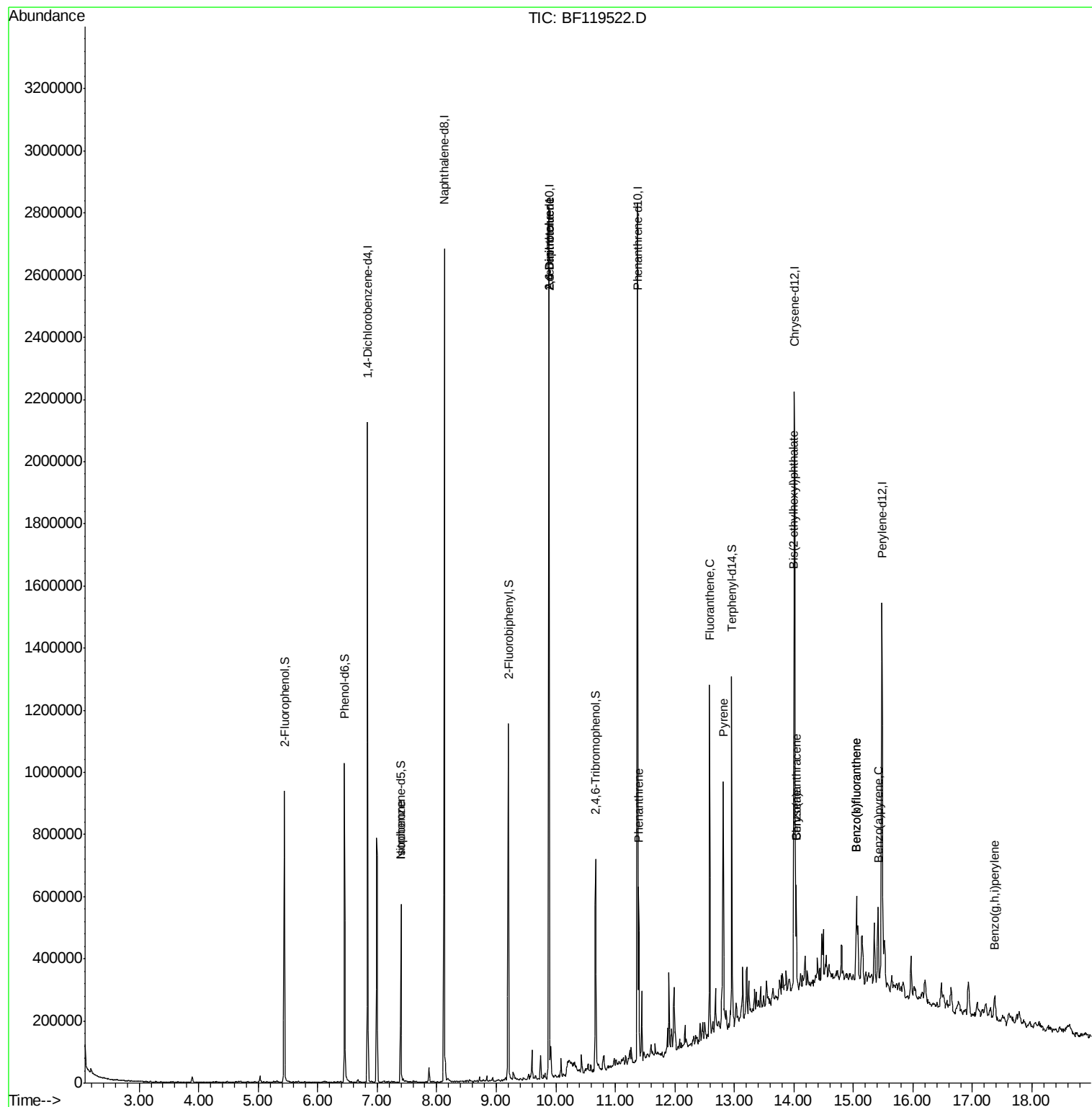
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.40	82	169263	4.118	ng	# 66
51) 2,6-Dinitrotoluene	9.89	165	73971	8.538	ng	# 19
57) 2,4-Dinitrotoluene	9.89	165	73971	6.777	ng	# 25
71) Phenanthrene	11.39	178	188240	3.501	ng	97
75) Fluoranthene	12.59	202	411900	7.078	ng	97
78) Pyrene	12.82	202	342833	6.855	ng	97
81) Benzo(a)anthracene	14.04	228	136820	3.452	ng	98
83) Chrysene	14.04	228	136820	3.345	ng	96
84) Bis(2-ethylhexyl)phthalate	14.00	149	62132	2.577	ng	99
88) Benzo(b)fluoranthene	15.05	252	219596	5.707	ng	99
89) Benzo(k)fluoranthene	15.05	252	219596	5.993	ng	99
90) Benzo(a)pyrene	15.42	252	123962	3.545	ng	98
92) Benzo(g,h,i)perylene	17.37	276	74747	2.432	ng	95

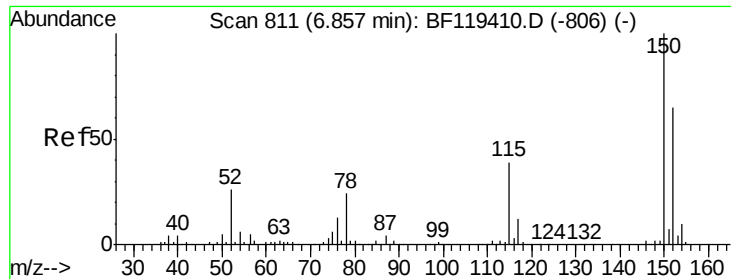
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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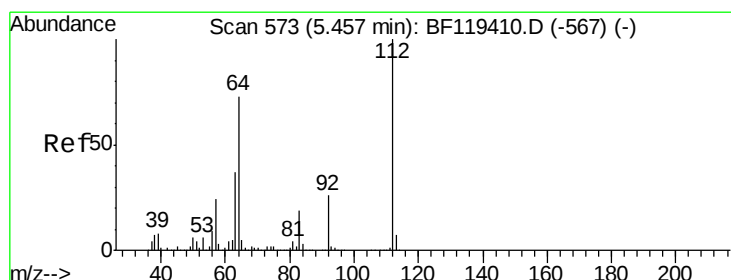
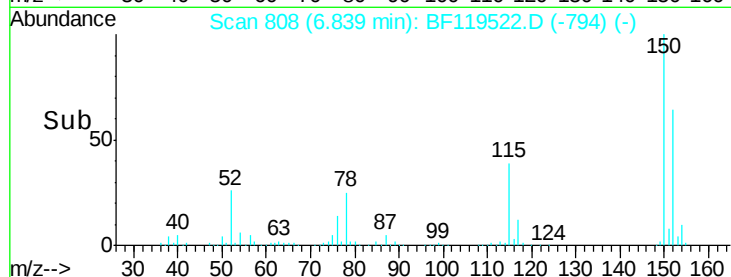
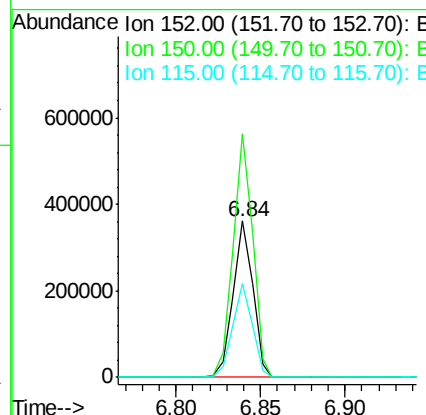
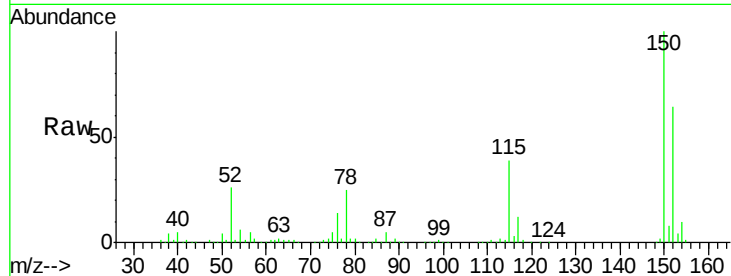




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 808
 Delta R.T. -0.02 min
 Lab File: BF119522.D
 Acq: 26 Mar 2020 2:10

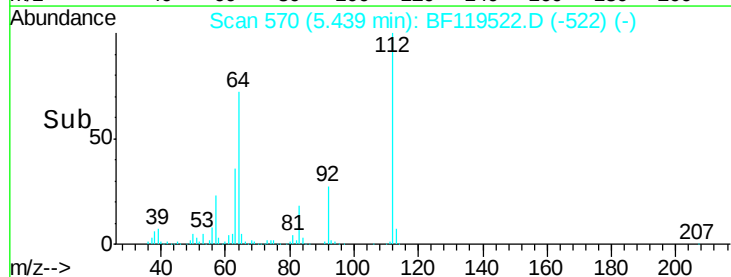
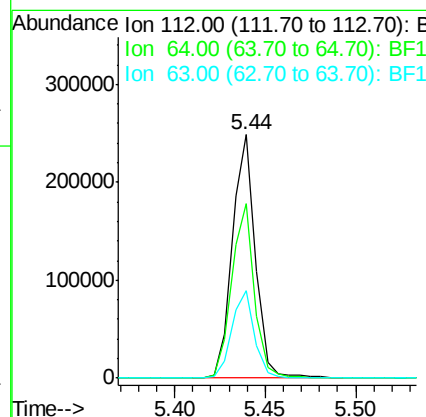
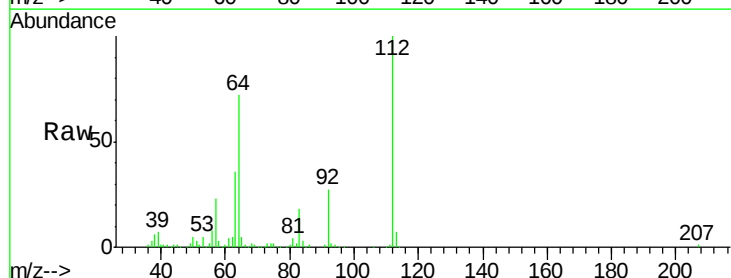
Instrument :
 BNA_F
 ClientSampleId :
 GHD1-1BC-IB-0-5

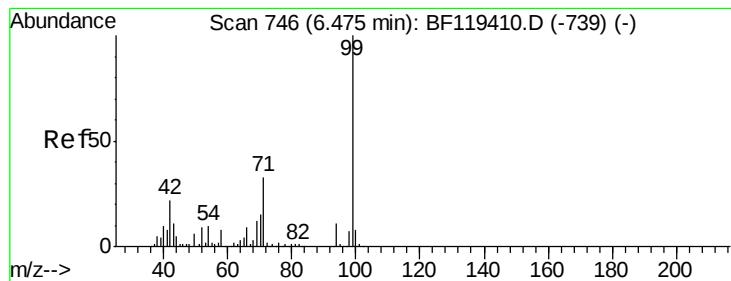
Tgt Ion:152 Resp: 292236
 Ion Ratio Lower Upper
 152 100
 150 155.8 123.9 185.9
 115 60.0 47.8 71.6



#5
 2-Fluorophenol
 Concen: 12.004 ng
 RT: 5.44 min Scan# 570
 Delta R.T. -0.02 min
 Lab File: BF119522.D
 Acq: 26 Mar 2020 2:10

Tgt Ion:112 Resp: 220363
 Ion Ratio Lower Upper
 112 100
 64 71.6 58.1 87.1
 63 35.8 29.7 44.5





#7

Phenol-d6

Concen: 12.389 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.02 min

Lab File: BF119522.D

Acq: 26 Mar 2020 2:10

Instrument :

BNA_F

ClientSampleId :

GHD1-1BC-IB-0-5

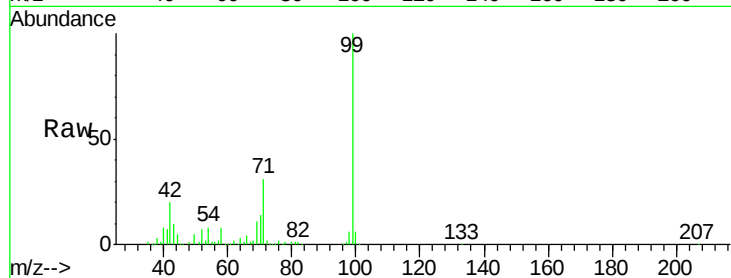
Tgt Ion: 99 Resp: 290537

Ion Ratio Lower Upper

99 100

42 20.1 17.8 26.6

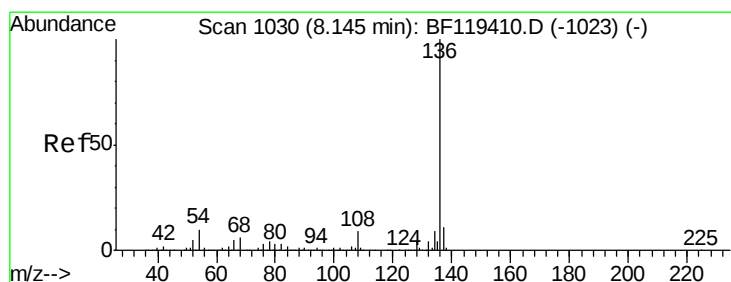
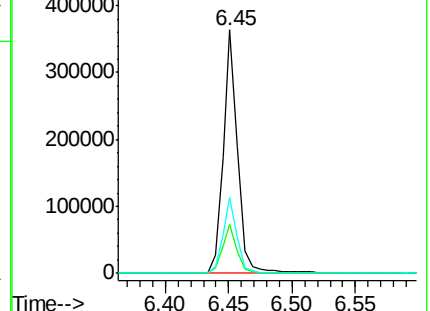
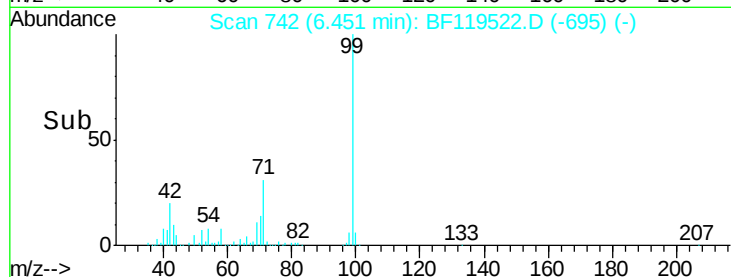
71 31.0 26.0 39.0



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: BF119522.D

Acq: 26 Mar 2020 2:10

Tgt Ion: 136 Resp: 1101176

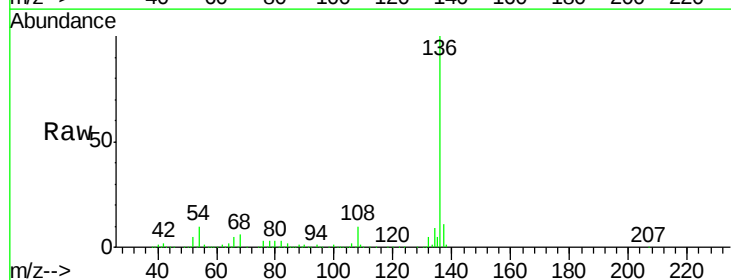
Ion Ratio Lower Upper

136 100

137 10.9 8.4 12.6

54 10.2 8.3 12.5

68 5.6 4.9 7.3

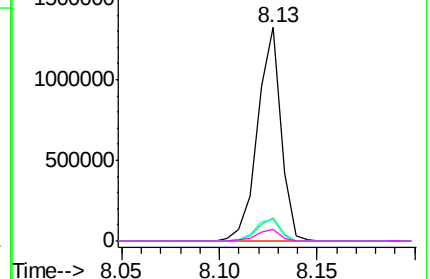
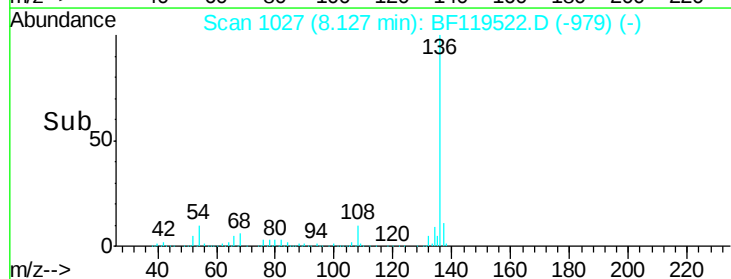


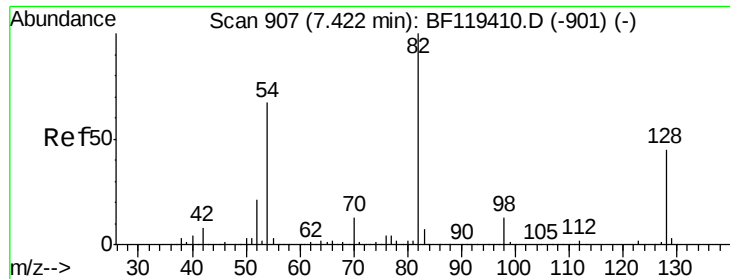
Abundance Ion 136.00 (135.70 to 136.70): E

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

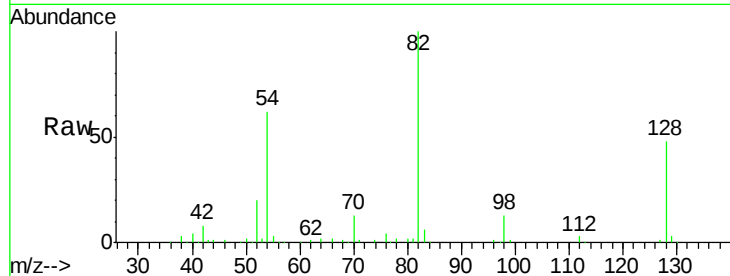




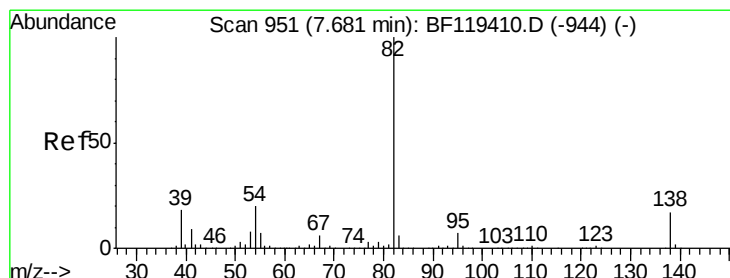
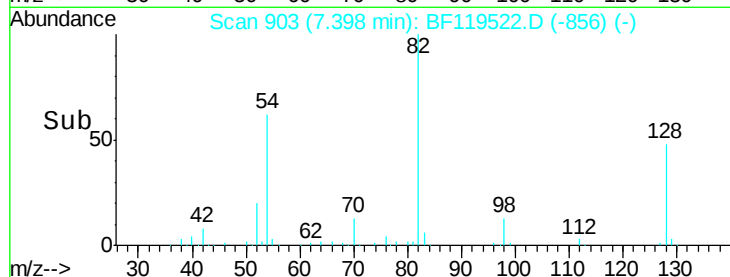
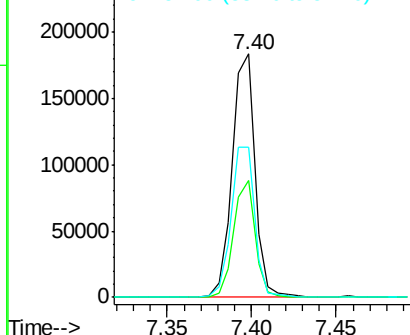
#23
Nitrobenzene-d5
Concen: 8.487 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.02 min
Lab File: BF119522.D
Acq: 26 Mar 2020 2:10

Instrument :
BNA_F
ClientSampleId :
GHD1-1BC-IB-0-5

Tgt Ion: 82 Resp: 171954
Ion Ratio Lower Upper
82 100
128 48.3 35.8 53.8
54 61.7 53.4 80.0

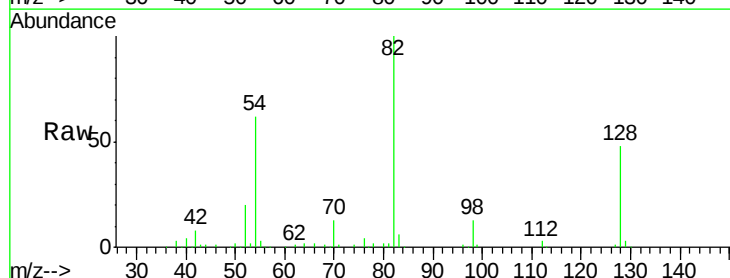


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

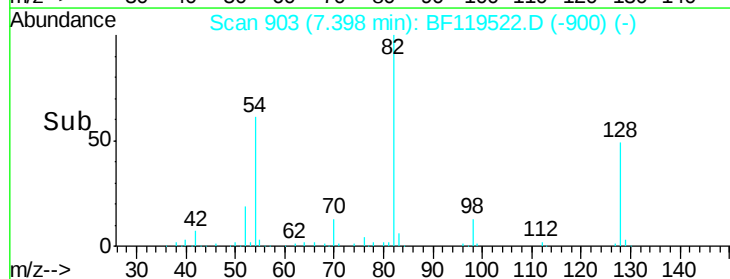
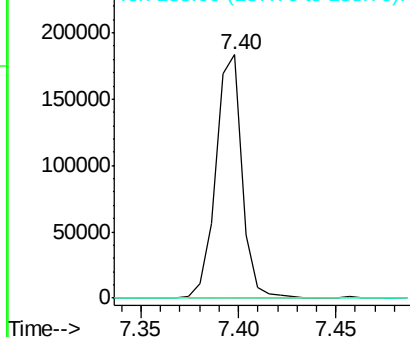


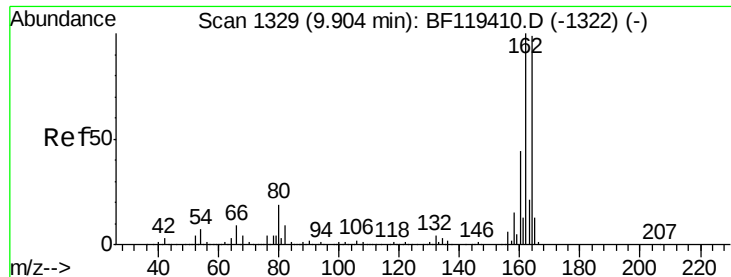
#25
Isophorone
Concen: 4.118 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.28 min
Lab File: BF119522.D
Acq: 26 Mar 2020 2:10

Tgt Ion: 82 Resp: 169263
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

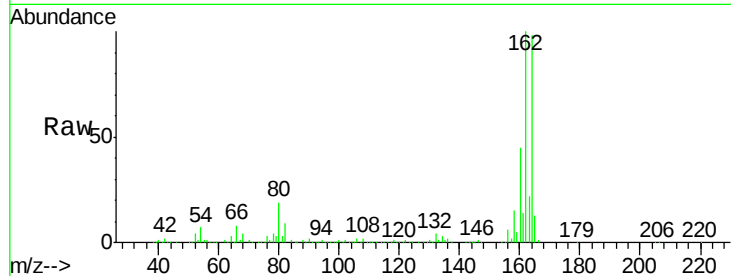




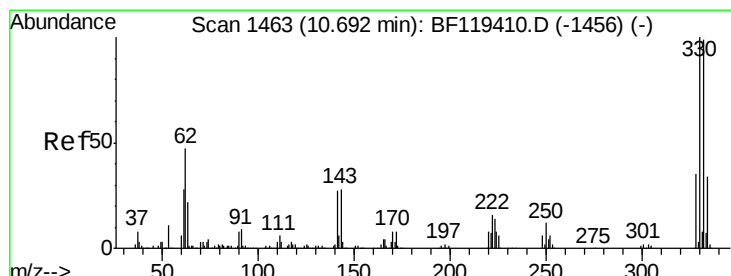
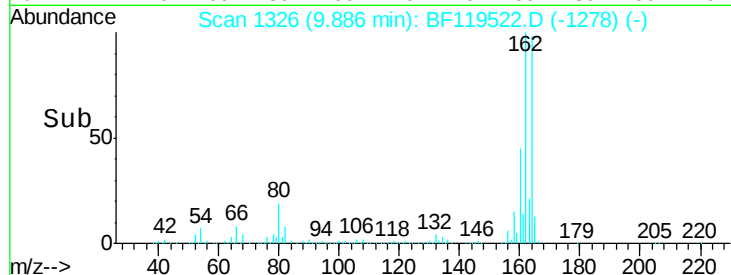
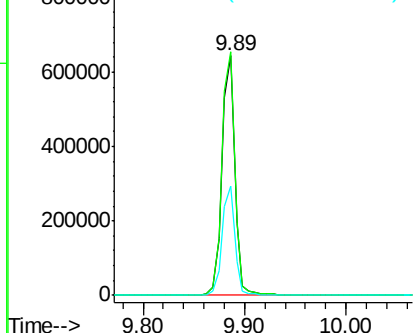
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.02 min
Lab File: BF119522.D
Acq: 26 Mar 2020 2:10

Instrument :
BNA_F
ClientSampleId :
GHD1-1BC-IB-0-5

Tgt Ion:164 Resp: 569077
Ion Ratio Lower Upper
164 100
162 101.8 80.7 121.1
160 45.5 35.5 53.3

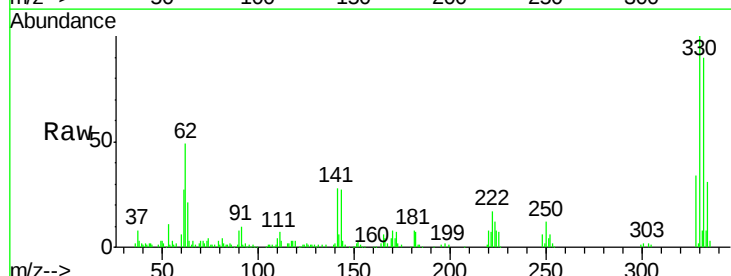


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

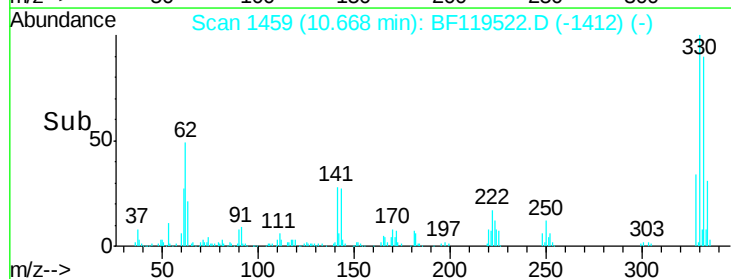
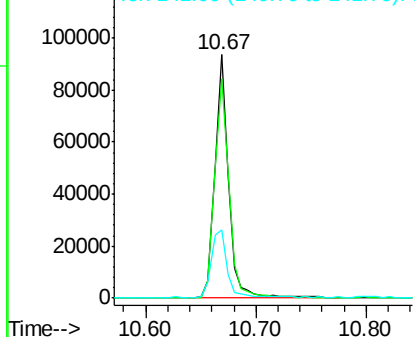


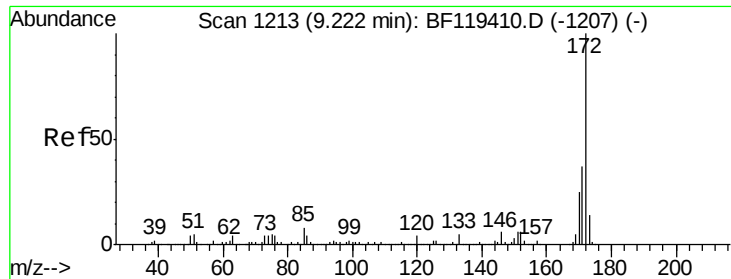
#42
2,4,6-Tribromophenol
Concen: 13.604 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.02 min
Lab File: BF119522.D
Acq: 26 Mar 2020 2:10

Tgt Ion:330 Resp: 79866
Ion Ratio Lower Upper
330 100
332 95.7 77.6 116.4
141 32.4 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

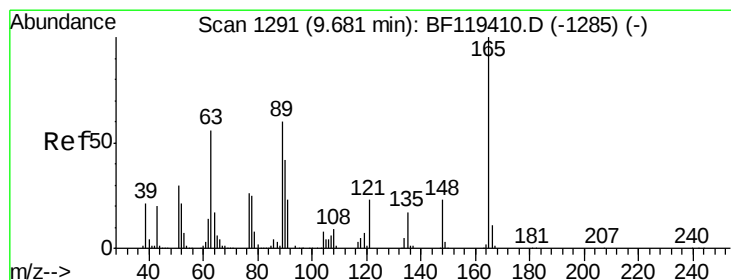
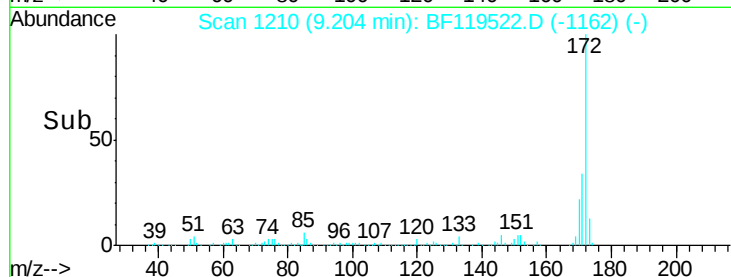
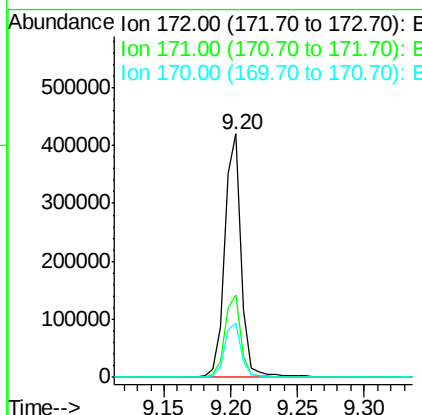
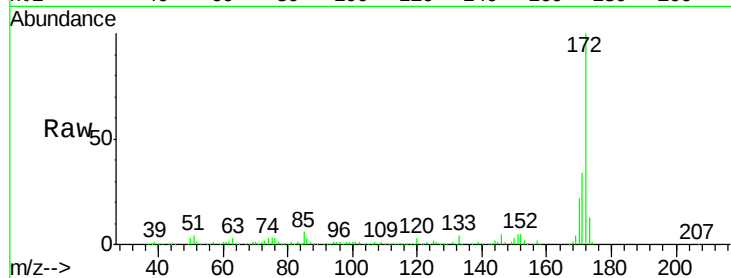




#45
 2-Fluorobiphenyl
 Concen: 9.578 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.02 min
 Lab File: BF119522.D
 Acq: 26 Mar 2020 2:10

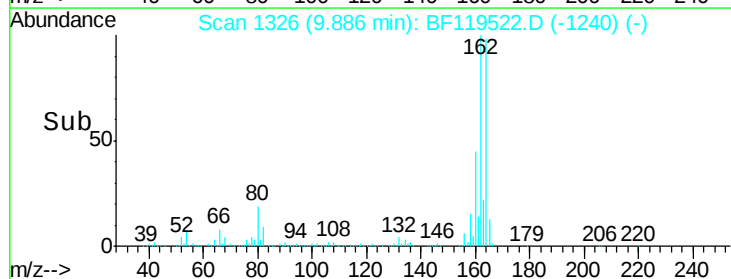
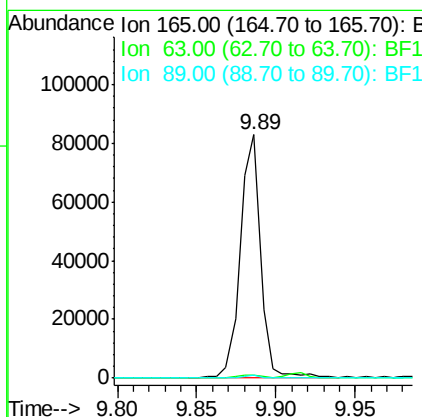
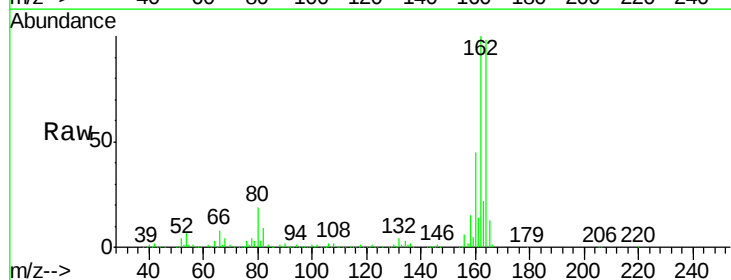
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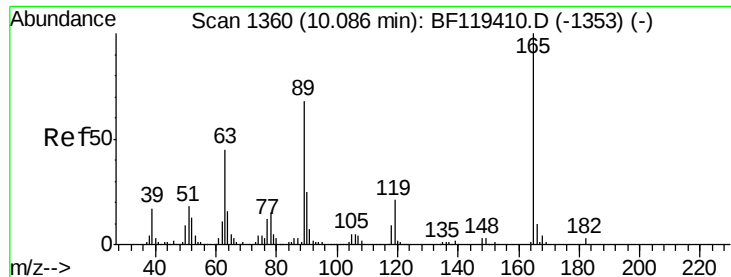
Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.9	29.9	44.9
170	22.3	20.1	30.1



#51
 2,6-Dinitrotoluene
 Concen: 8.538 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.21 min
 Lab File: BF119522.D
 Acq: 26 Mar 2020 2:10

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	57.3	85.9#
89	1.1	47.8	71.8#

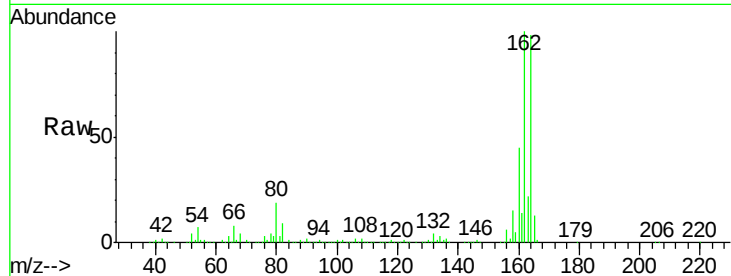




#57
 2,4-Dinitrotoluene
 Concen: 6.777 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.20 min
 Lab File: BF119522.D
 Acq: 26 Mar 2020 2:10

Instrument :
 BNA_F
 ClientSampleId :
 GHD1-1BC-IB-0-5

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.2	54.4#
89	1.1	54.3	81.5#
182	0.0	2.0	3.0#

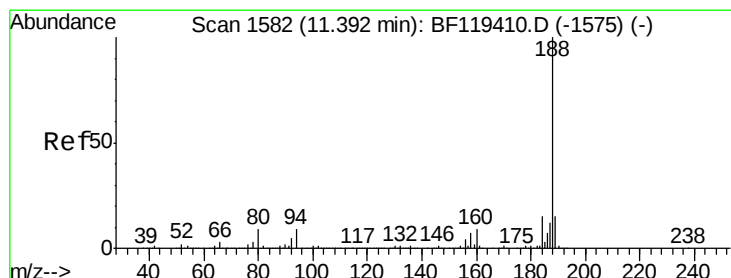
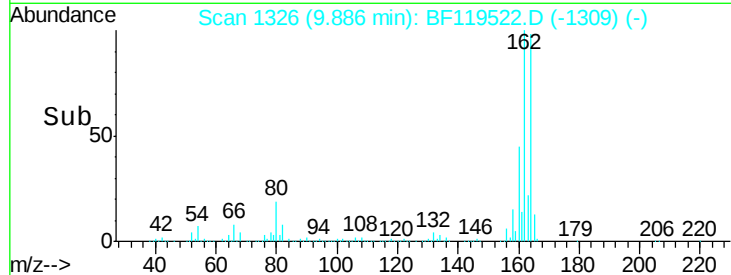
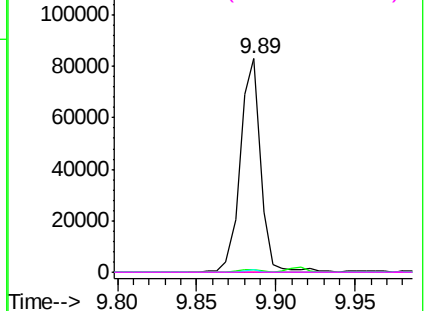


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

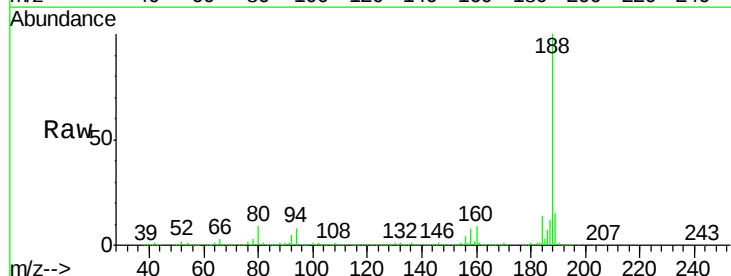
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.02 min
 Lab File: BF119522.D
 Acq: 26 Mar 2020 2:10

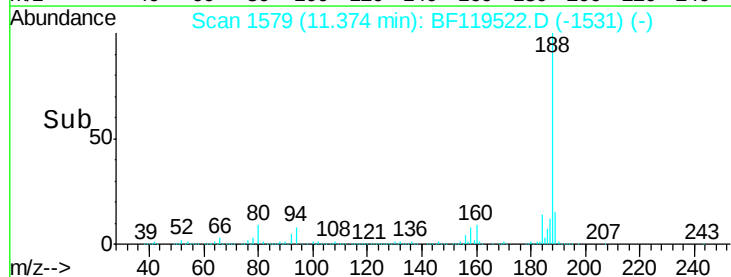
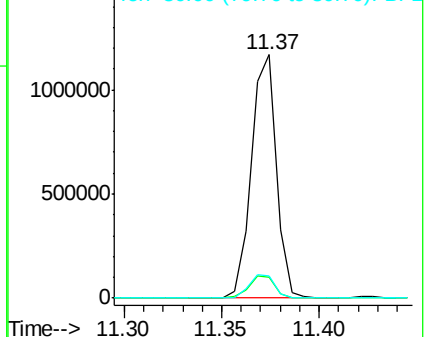
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.1	10.7
80	9.0	7.5	11.3

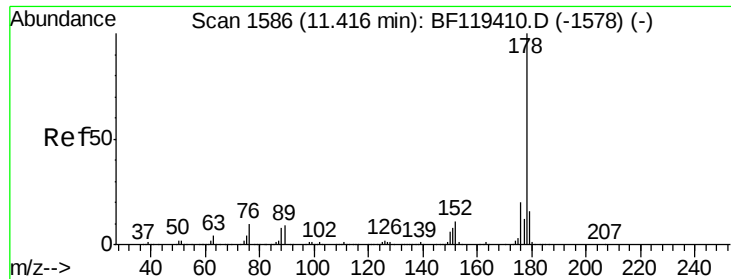


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

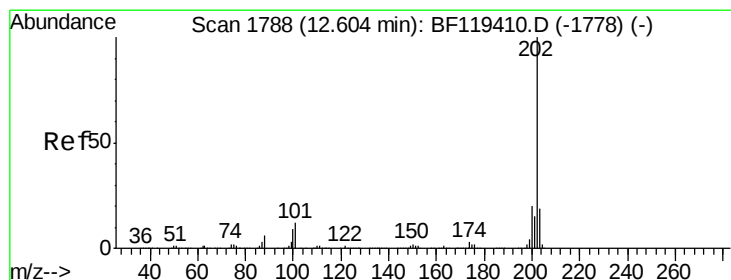
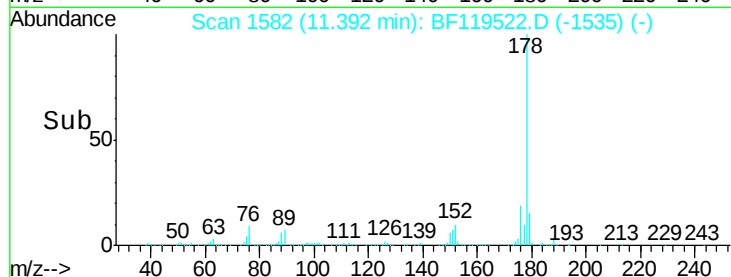
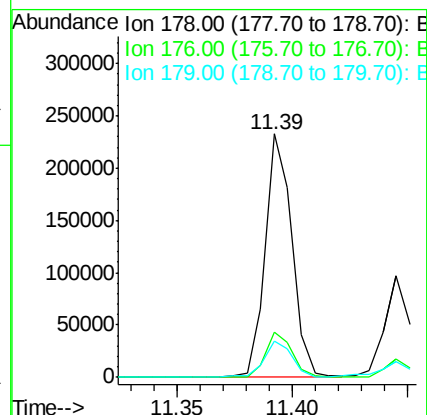
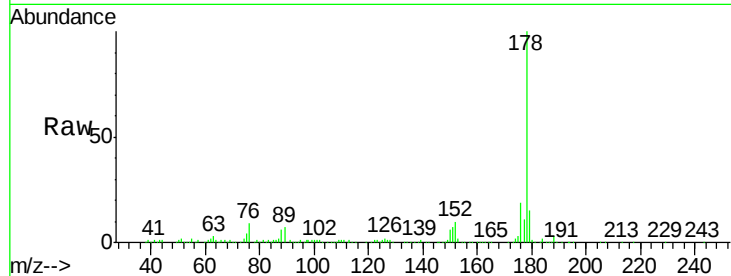




#71
Phenanthrene
Concen: 3.501 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.02 min
Lab File: BF119522.D
Acq: 26 Mar 2020 2:10

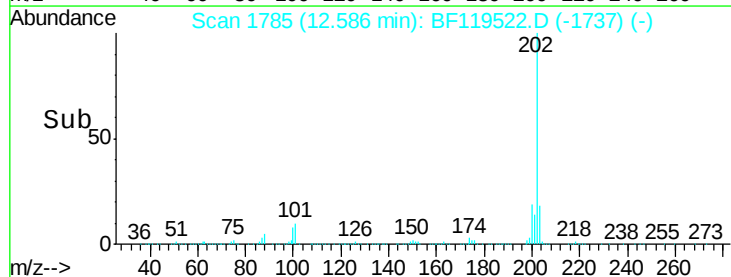
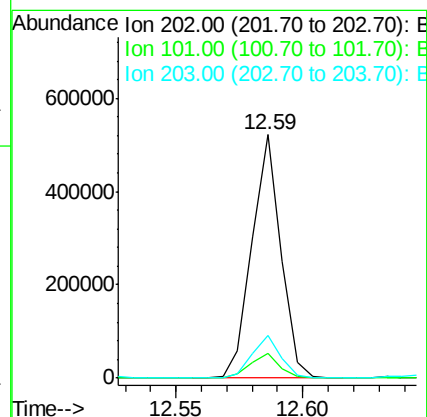
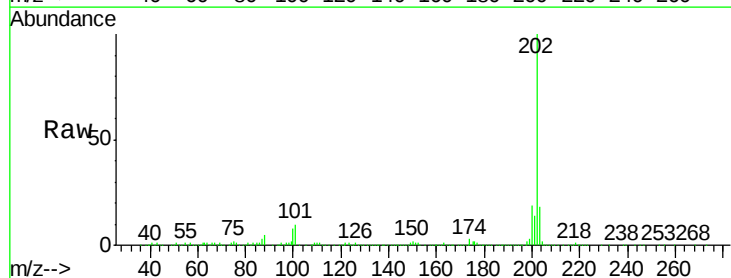
Instrument :
BNA_F
ClientSampleId :
GHD1-1BC-IB-0-5

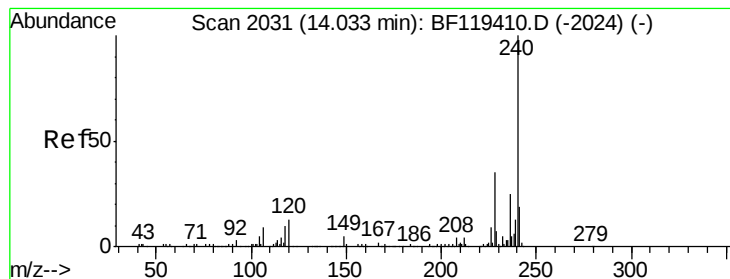
Tgt Ion:178 Resp: 188240
Ion Ratio Lower Upper
178 100
176 18.7 16.2 24.4
179 15.0 12.9 19.3



#75
Fluoranthene
Concen: 7.078 ng
RT: 12.59 min Scan# 1785
Delta R.T. -0.02 min
Lab File: BF119522.D
Acq: 26 Mar 2020 2:10

Tgt Ion:202 Resp: 411900
Ion Ratio Lower Upper
202 100
101 10.0 0.0 32.4
203 17.8 0.0 38.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.02 min

Lab File: BF119522.D

Acq: 26 Mar 2020 2:10

Instrument :

BNA_F

ClientSampleId :

GHD1-1BC-IB-0-5

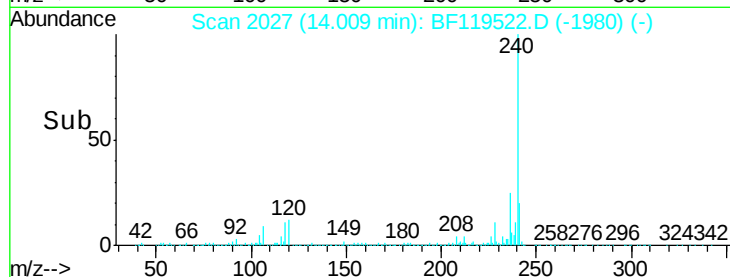
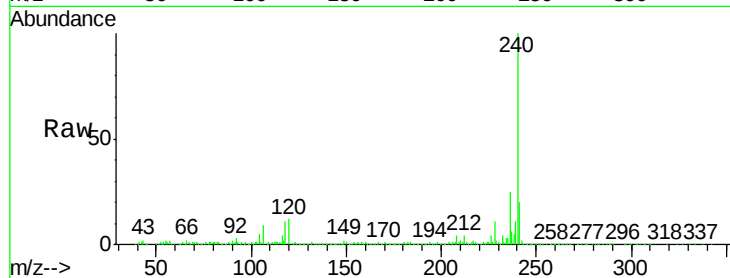
Tgt Ion:240 Resp: 609415

Ion Ratio Lower Upper

240 100

120 12.0 10.2 15.4

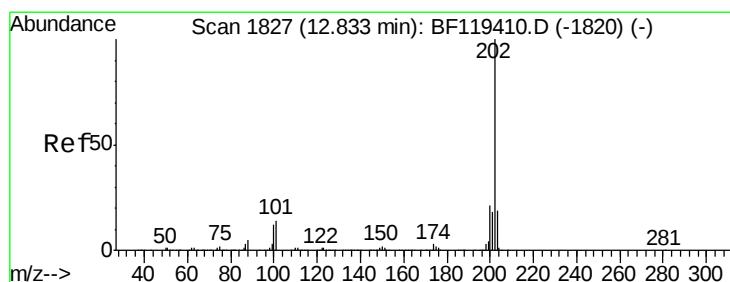
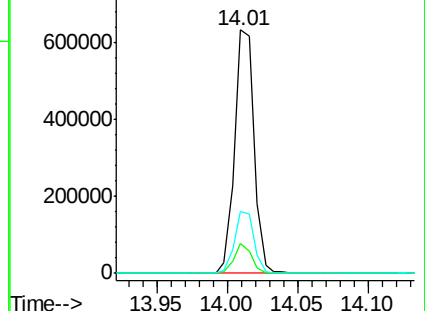
236 25.3 20.4 30.6



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: 6.855 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BF119522.D

Acq: 26 Mar 2020 2:10

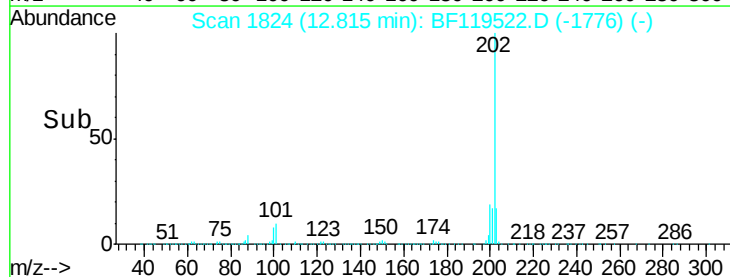
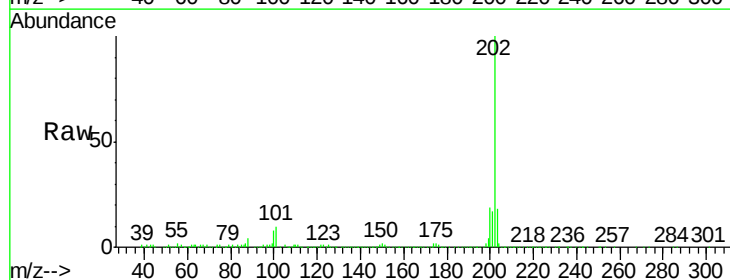
Tgt Ion:202 Resp: 342833

Ion Ratio Lower Upper

202 100

200 19.5 16.8 25.2

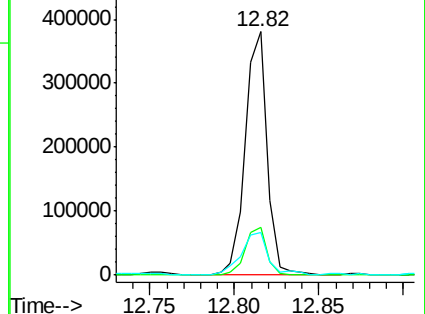
203 17.7 14.8 22.2

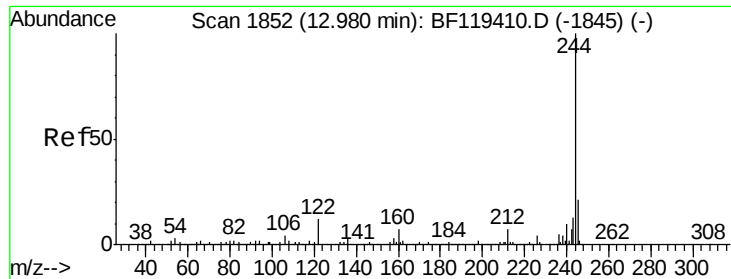


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

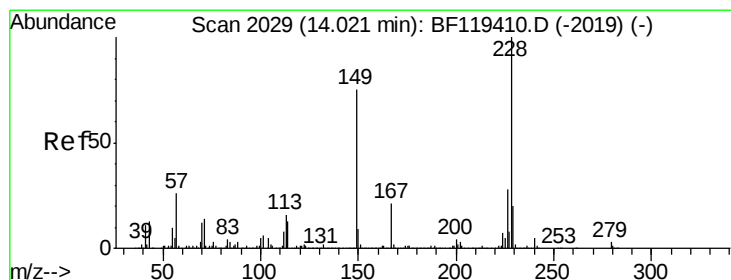
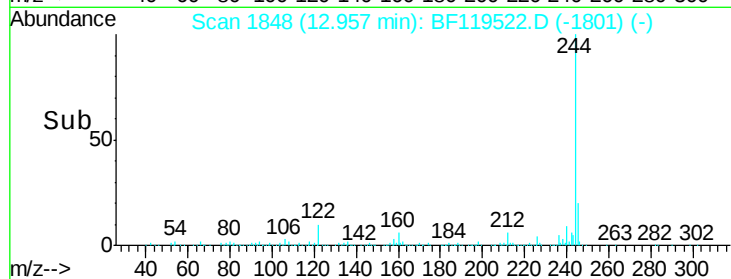
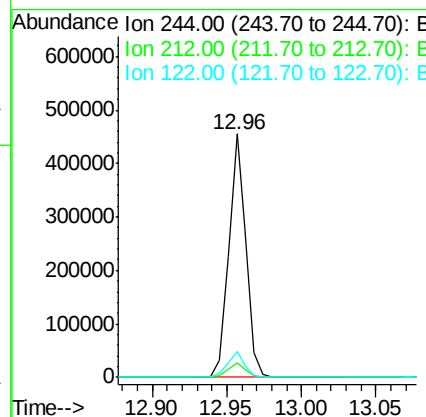
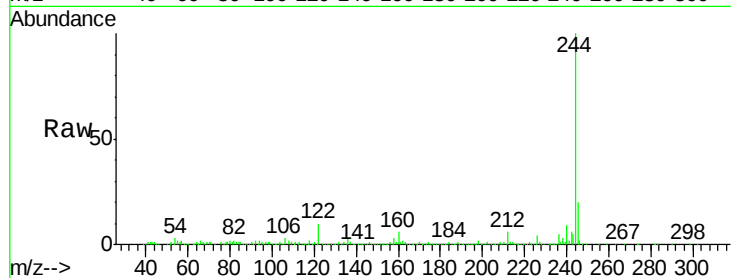




#79
 Terphenyl-d14
 Concen: 11.931 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.02 min
 Lab File: BF119522.D
 Acq: 26 Mar 2020 2:10

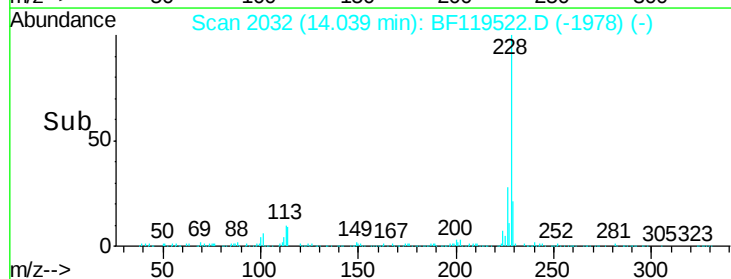
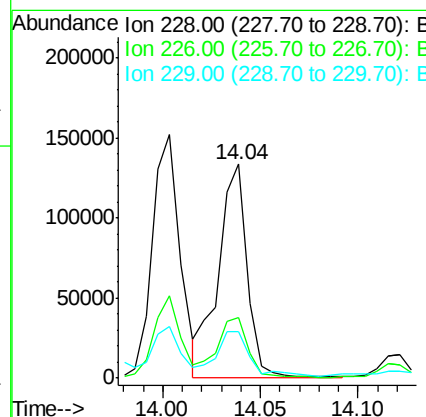
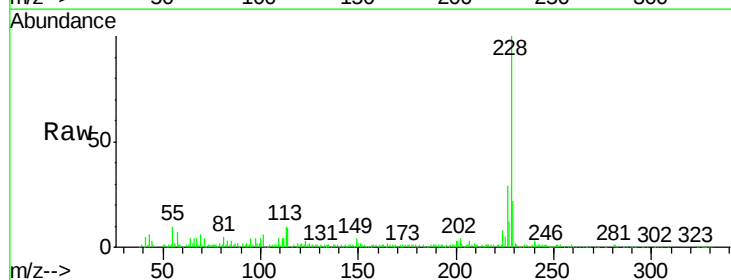
Instrument :
 BNA_F
 ClientSampleId :
 GHD1-1BC-IB-0-5

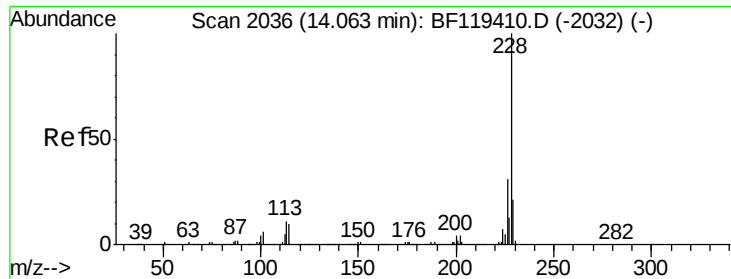
Tgt Ion: 244 Resp: 371130
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.7 8.5
 122 10.4 9.8 14.8



#81
 Benzo(a)anthracene
 Concen: 3.452 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. 0.02 min
 Lab File: BF119522.D
 Acq: 26 Mar 2020 2:10

Tgt Ion: 228 Resp: 136820
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.3 33.5
 229 21.9 16.3 24.5

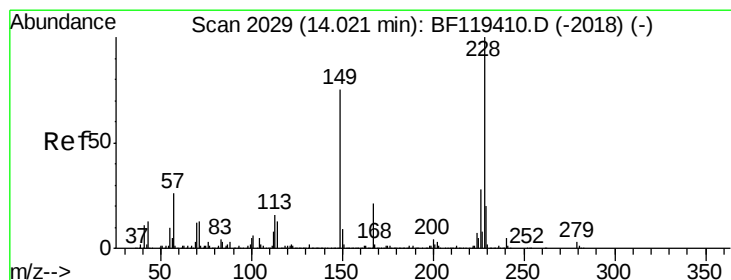
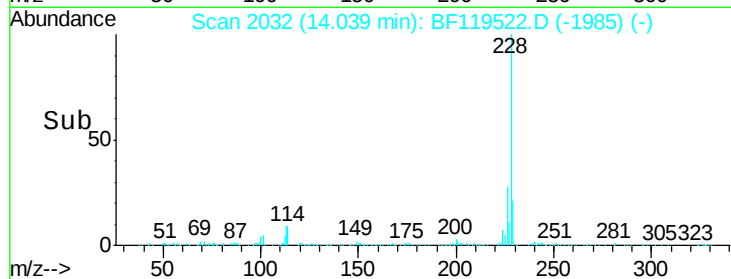
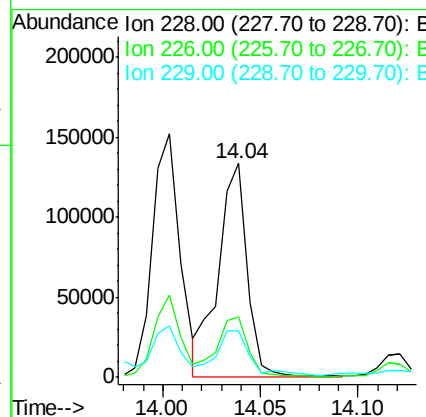
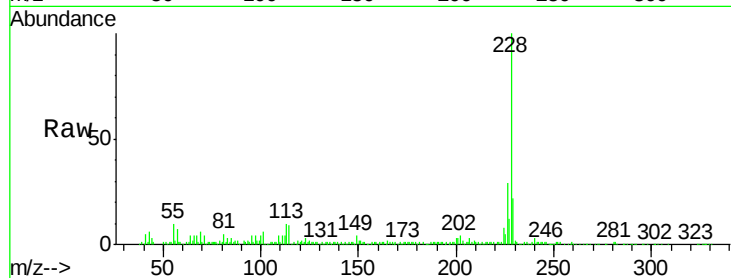




#83
Chrysene
Concen: 3.345 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.02 min
Lab File: BF119522.D
Acq: 26 Mar 2020 2:10

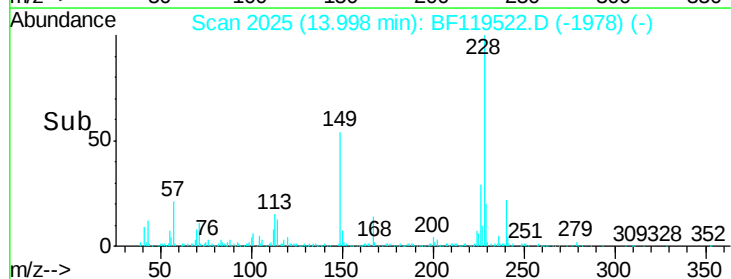
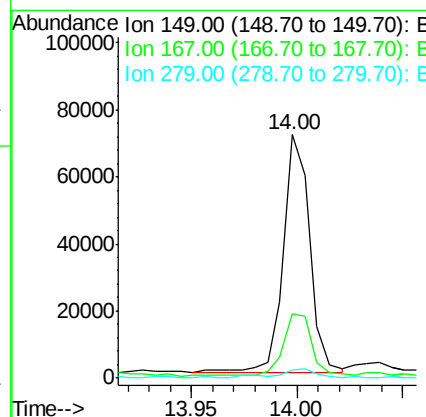
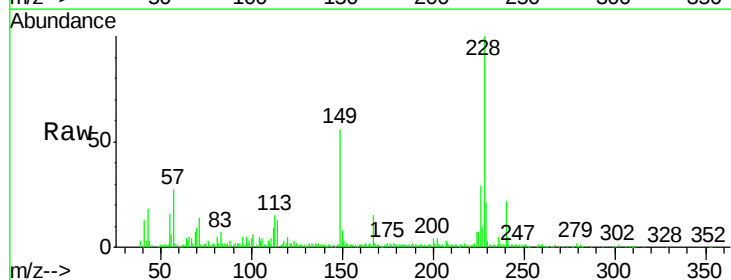
Instrument :
BNA_F
ClientSampleId :
GHD1-1BC-IB-0-5

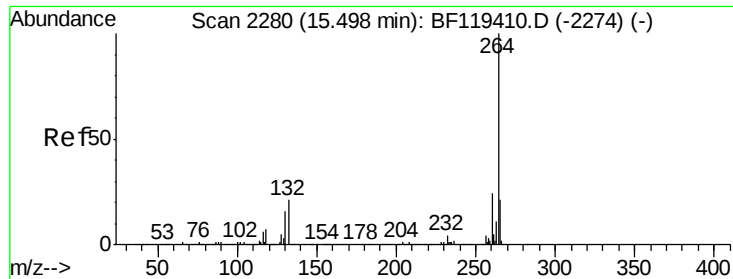
Tgt Ion: 228 Resp: 136820
Ion Ratio Lower Upper
228 100
226 28.6 24.8 37.2
229 21.9 16.6 25.0



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.577 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.02 min
Lab File: BF119522.D
Acq: 26 Mar 2020 2:10

Tgt Ion: 149 Resp: 62132
Ion Ratio Lower Upper
149 100
167 26.7 22.0 33.0
279 3.5 3.2 4.8





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.48 min Scan# 2277

Delta R.T. -0.02 min

Lab File: BF119522.D

Acq: 26 Mar 2020 2:10

Instrument :

BNA_F

ClientSampleId :

GHD1-1BC-IB-0-5

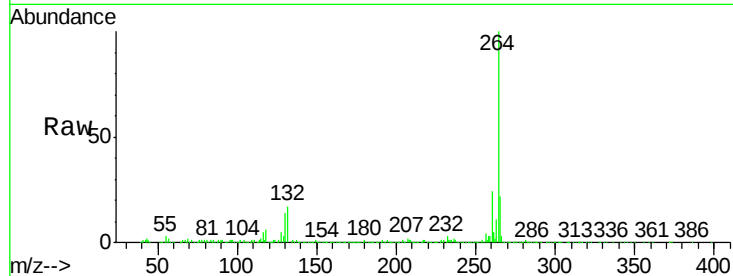
Tgt Ion:264 Resp: 576048

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

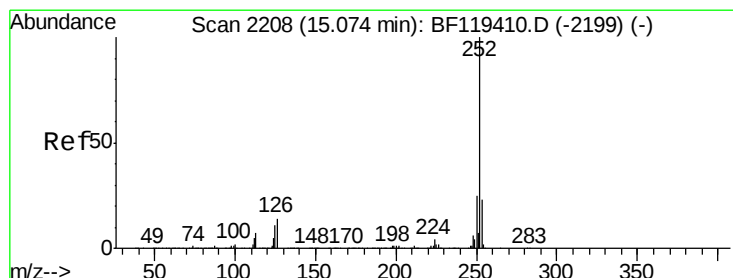
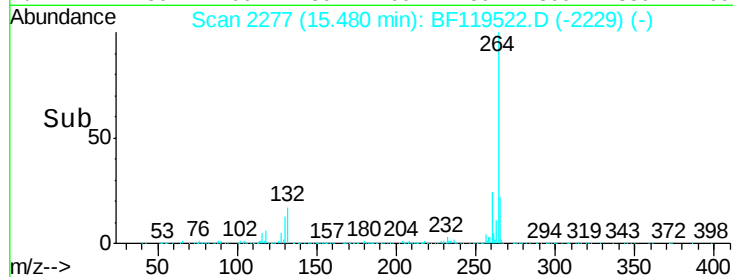
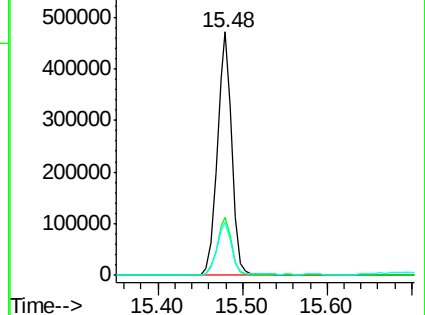
265 21.8 16.9 25.3



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: 5.707 ng

RT: 15.05 min Scan# 2204

Delta R.T. -0.02 min

Lab File: BF119522.D

Acq: 26 Mar 2020 2:10

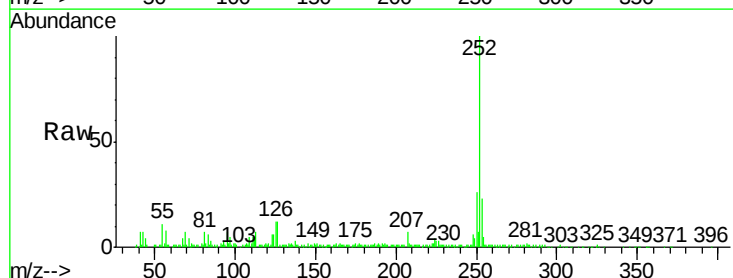
Tgt Ion:252 Resp: 219596

Ion Ratio Lower Upper

252 100

253 22.9 18.2 27.4

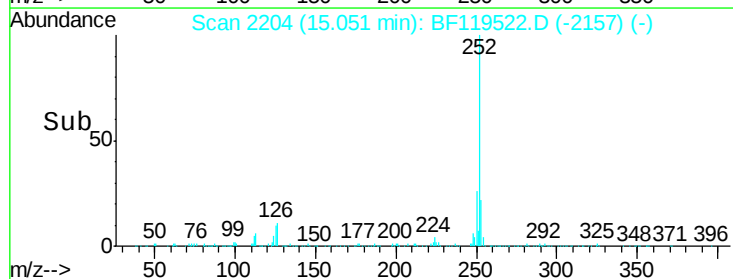
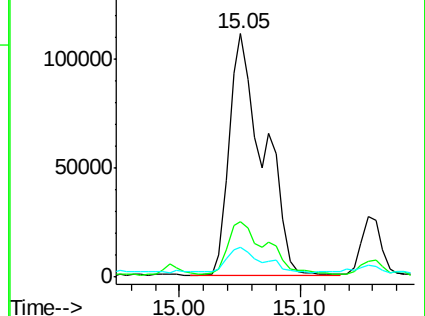
125 12.2 8.8 13.2

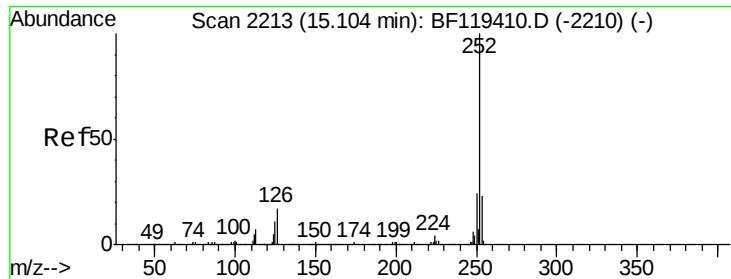


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

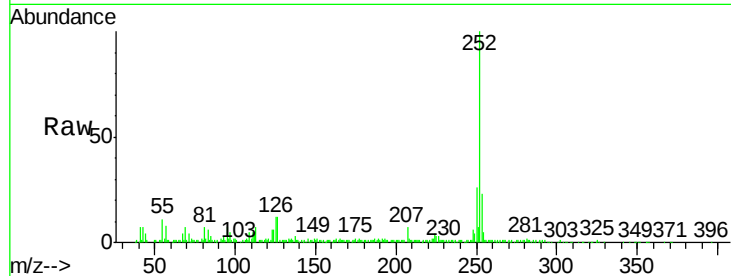




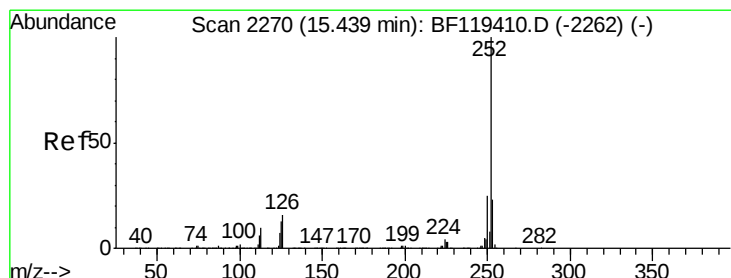
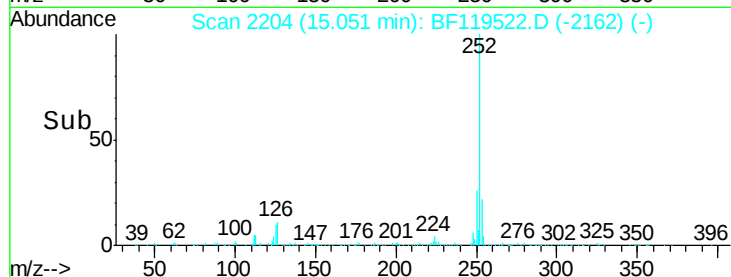
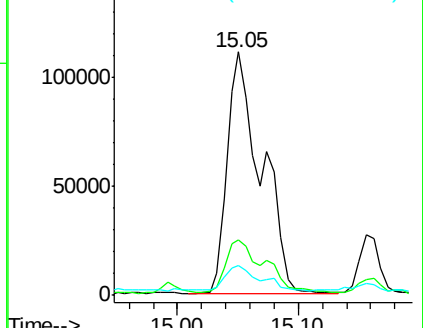
#89
Benzo(k)fluoranthene
Concen: 5.993 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.05 min
Lab File: BF119522.D
Acq: 26 Mar 2020 2:10

Instrument :
BNA_F
ClientSampleId :
GHD1-1BC-IB-0-5

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.4
125	12.2	9.0	13.4

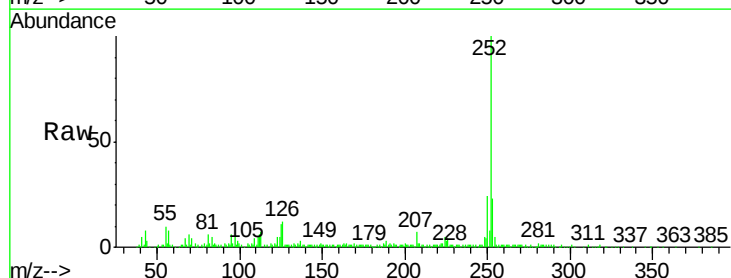


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

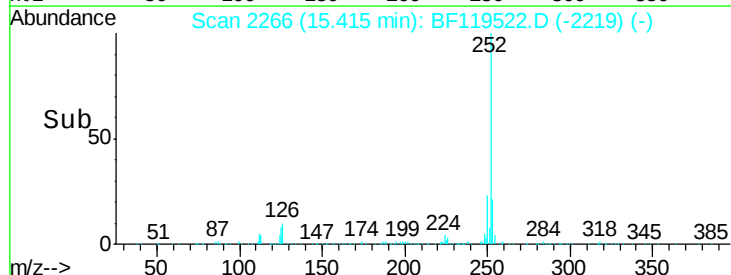
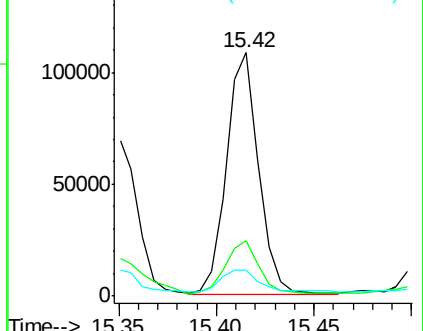


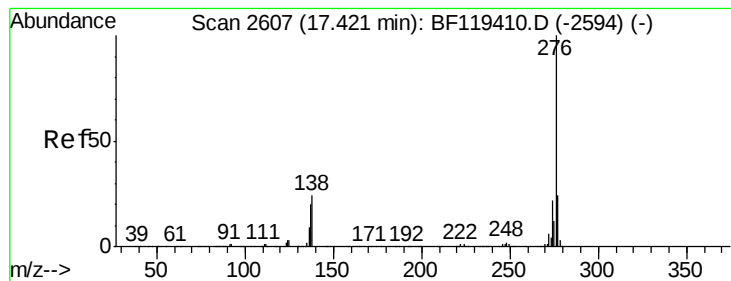
#90
Benzo(a)pyrene
Concen: 3.545 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.02 min
Lab File: BF119522.D
Acq: 26 Mar 2020 2:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.4
125	10.7	10.2	15.2



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





#92

Benzo(g,h,i)perylene

Concen: 2.432 ng

RT: 17.37 min Scan# 2599

Delta R.T. -0.05 min

Lab File: BF119522.D

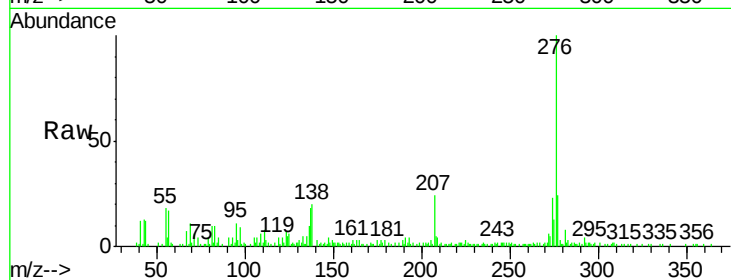
Acq: 26 Mar 2020 2:10

Instrument :

BNA_F

ClientSampleId :

GHD1-1BC-IB-0-5



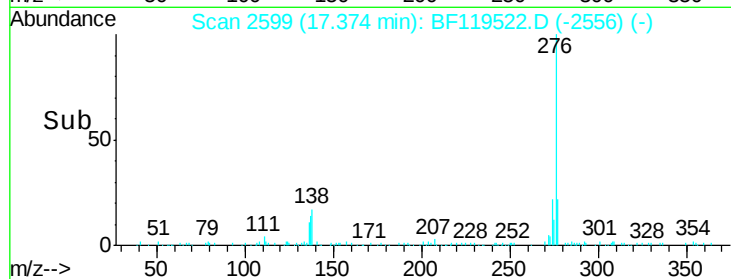
Tgt Ion: 276 Resp: 74747

Ion Ratio Lower Upper

276 100

277 24.4 18.8 28.2

138 20.2 19.1 28.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

