

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032720\
 Data File : BF119621.D
 Acq On : 28 Mar 2020 17:16
 Operator : CG/JU
 Sample : L2035-03
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-054-B

Quant Time: Mar 29 23:19:10 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	364155	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1279204	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	647323	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	993268	20.00	ng	0.00
76) Chrysene-d12	14.01	240	699351	20.00	ng	0.00
87) Perylene-d12	15.47	264	629333	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	2343783	102.46	ng	0.02
7) Phenol-d6	6.46	99	2988441	102.27	ng	0.00
23) Nitrobenzene-d5	7.40	82	1771137	75.25	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	628041	94.04	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2936834	67.21	ng	0.00
79) Terphenyl-d14	12.96	244	2323175	65.08	ng	0.00

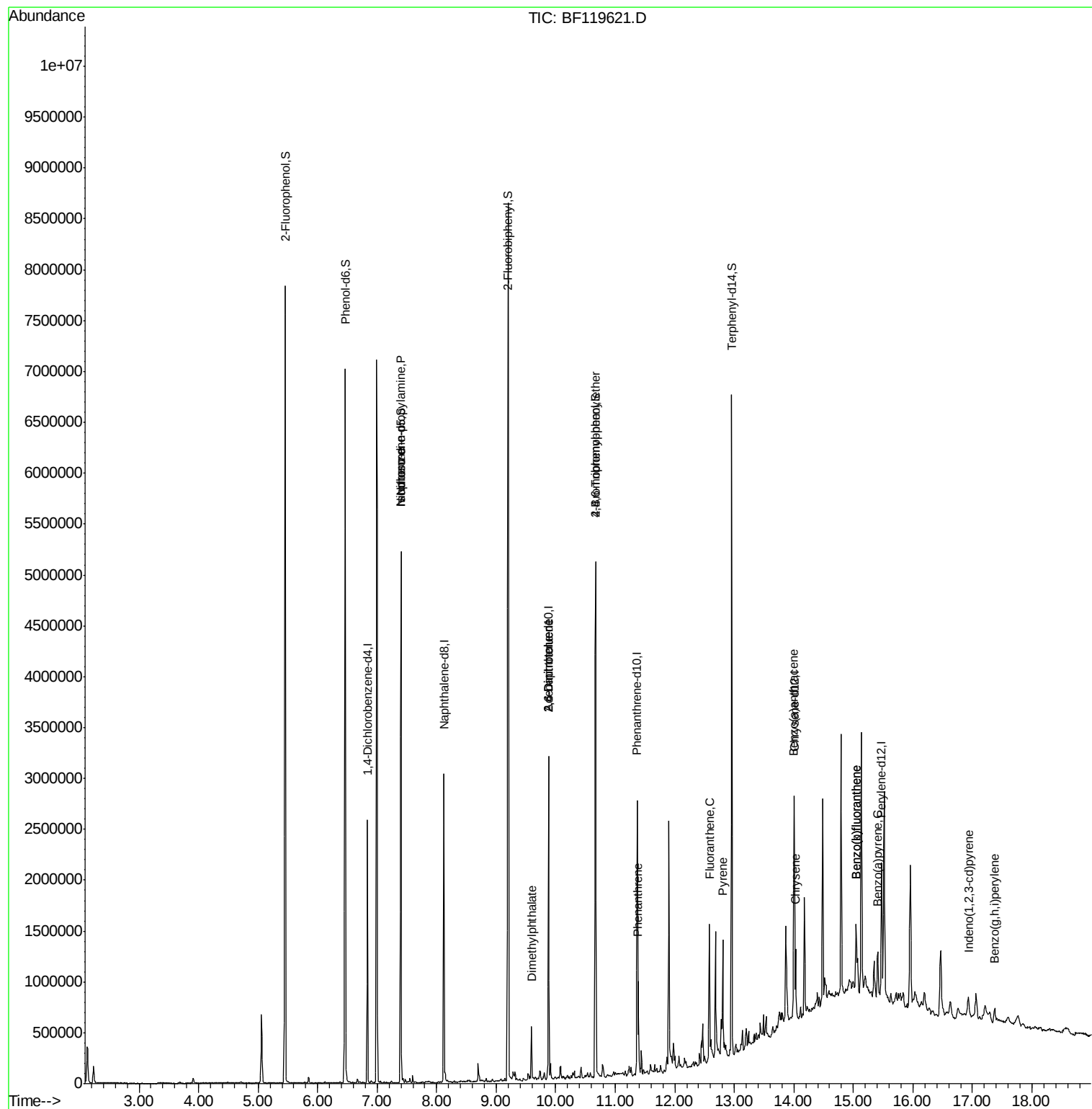
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	232123	13.18	ng	# 78
25) Isophorone	7.40	82	1753292	36.72	ng	# 65
50) Dimethylphthalate	9.59	163	196398	4.27	ng	99
51) 2,6-Dinitrotoluene	9.88	165	85727	8.70	ng	# 27
57) 2,4-Dinitrotoluene	9.88	165	85727	6.90	ng	# 20
67) 4-Bromophenyl-phenylether	10.67	248	37906	3.35	ng	# 1
71) Phenanthrene	11.39	178	315020	6.12	ng	98
75) Fluoranthene	12.58	202	524345	9.41	ng	96
78) Pyrene	12.81	202	489531	8.53	ng	98
81) Benzo(a)anthracene	14.00	228	270837	5.96	ng	94
83) Chrysene	14.03	228	275898	5.88	ng	97
86) Indeno(1,2,3-cd)pyrene	16.93	276	130996	2.96	ng	98
88) Benzo(b)fluoranthene	15.04	252	466658	11.10	ng	# 93
89) Benzo(k)fluoranthene	15.04	252	466658	11.66	ng	# 94
90) Benzo(a)pyrene	15.41	252	226523	5.93	ng	# 94
92) Benzo(g,h,i)perylene	17.37	276	123444	3.68	ng	94

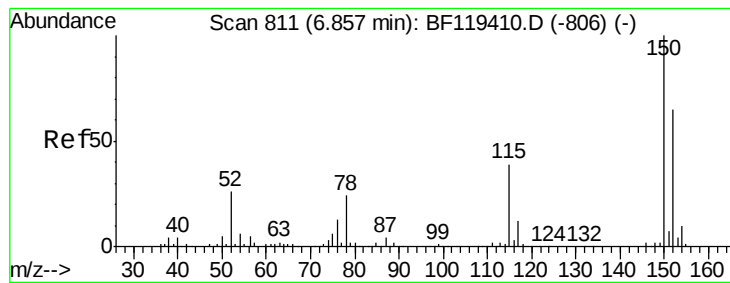
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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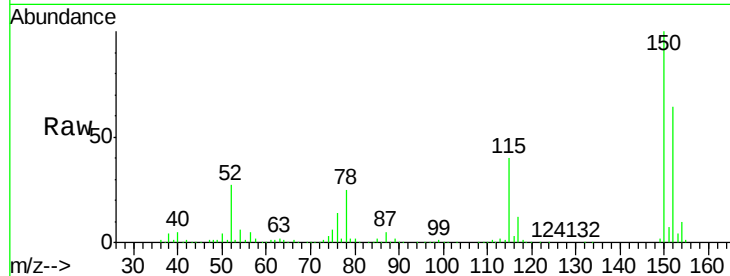


#1

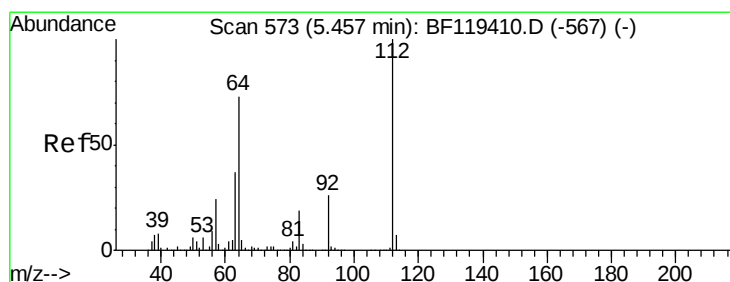
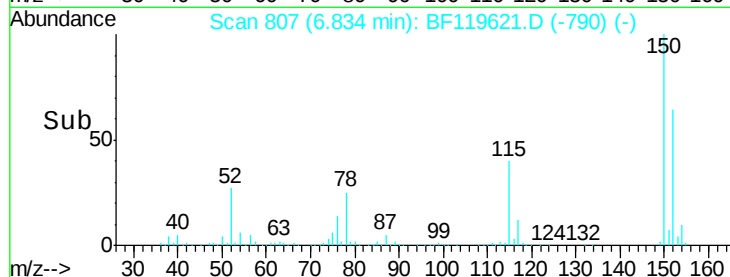
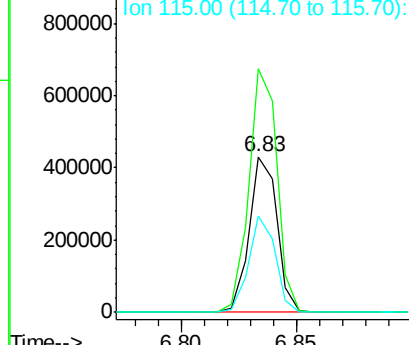
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 807
Delta R.T. 0.00 min
Lab File: BF119621.D
Acq: 28 Mar 2020 17:16

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-054-B

Tgt Ion:152 Resp: 364155
Ion Ratio Lower Upper
152 100
150 156.6 124.5 186.7
115 62.0 49.6 74.4



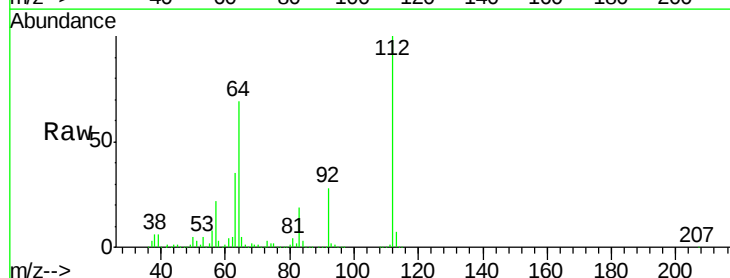
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



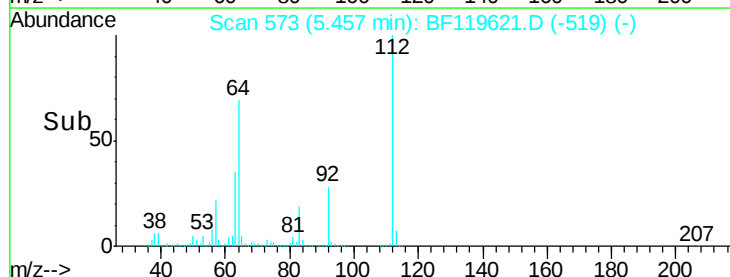
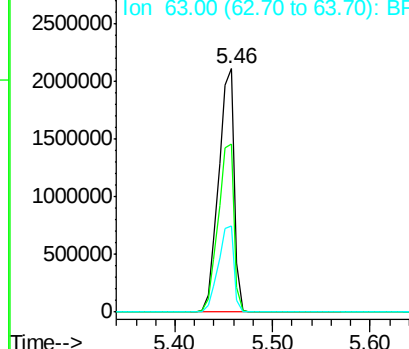
#5

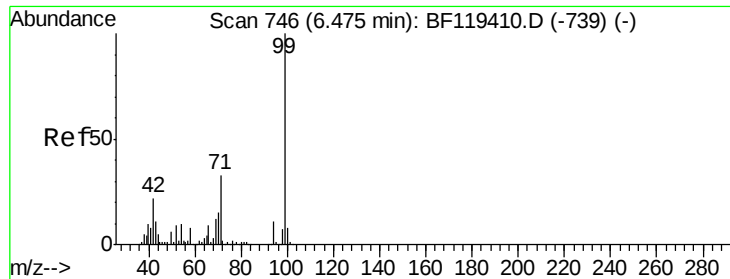
2-Fluorophenol
Concen: 102.46 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF119621.D
Acq: 28 Mar 2020 17:16

Tgt Ion:112 Resp: 2343783
Ion Ratio Lower Upper
112 100
64 69.2 56.7 85.1
63 35.2 29.5 44.3



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: 102.27 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF119621.D

Acq: 28 Mar 2020 17:16

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-054-B

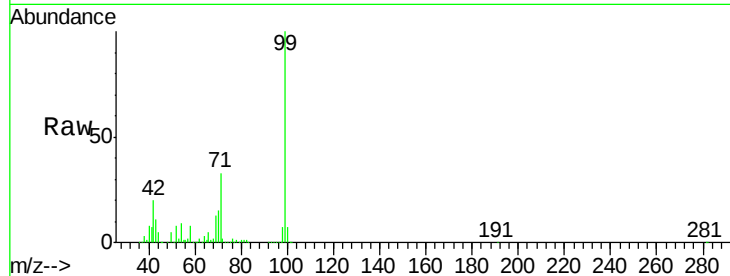
Tgt Ion: 99 Resp: 2988441

Ion Ratio Lower Upper

99 100

42 20.3 16.6 24.8

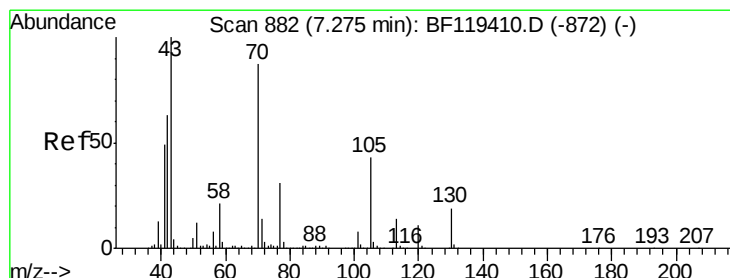
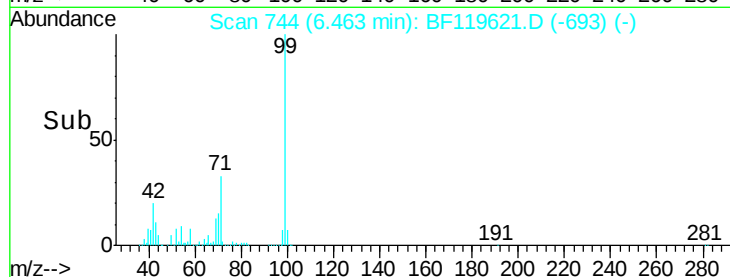
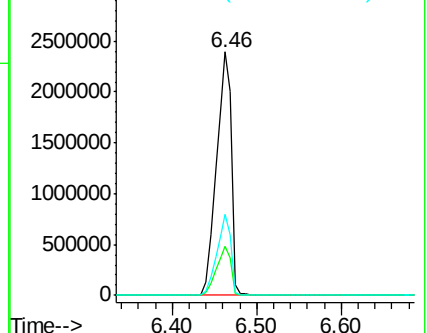
71 33.3 26.4 39.6



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.18 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF119621.D

Acq: 28 Mar 2020 17:16

Tgt Ion: 70 Resp: 232123

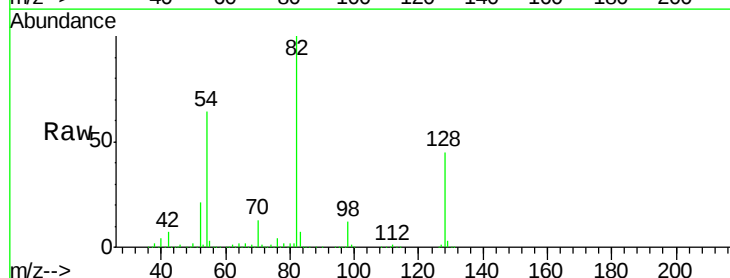
Ion Ratio Lower Upper

70 100

42 56.2 54.5 81.7

101 0.0 7.6 11.4#

130 2.4 17.6 26.4#

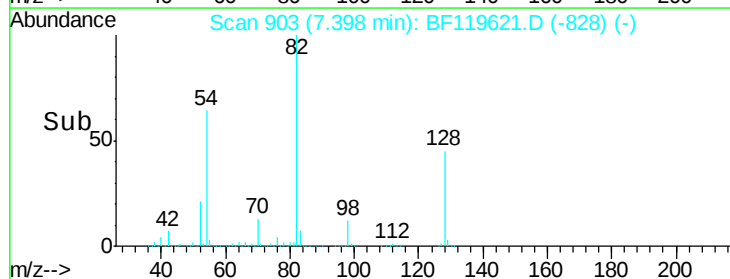
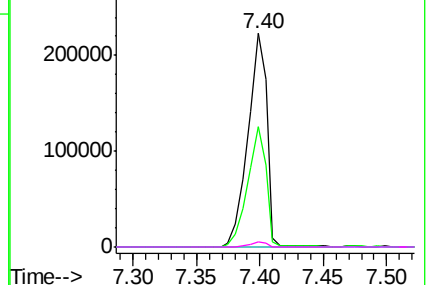


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

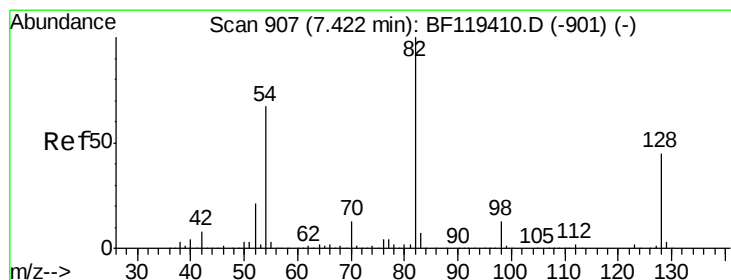
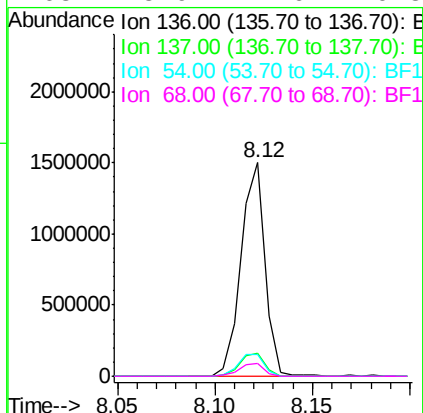
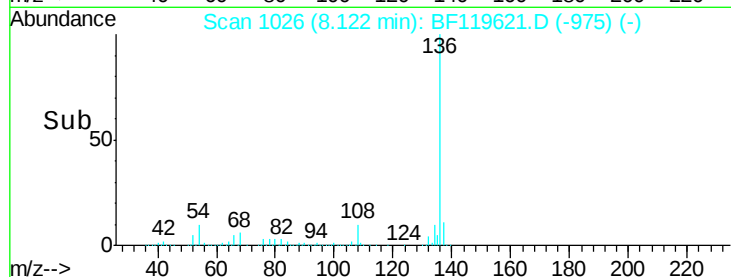
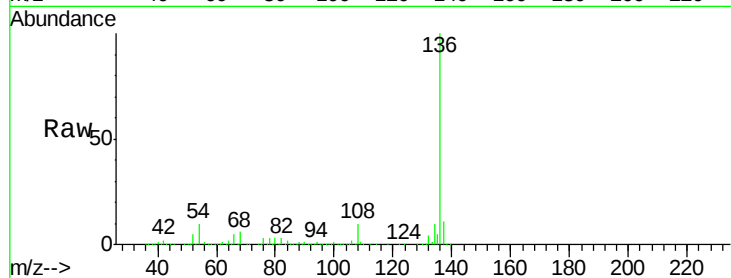




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BF119621.D
Acq: 28 Mar 2020 17:16

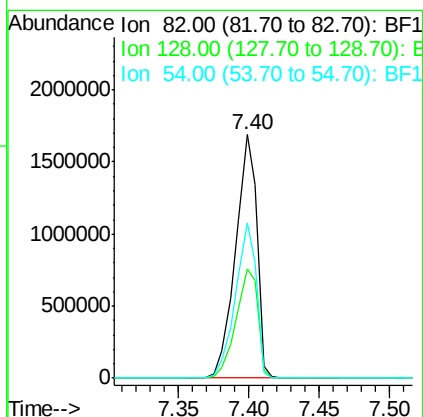
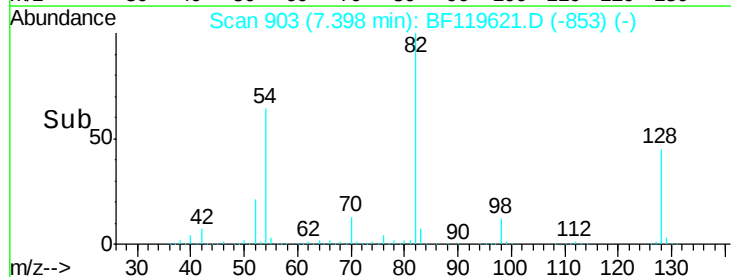
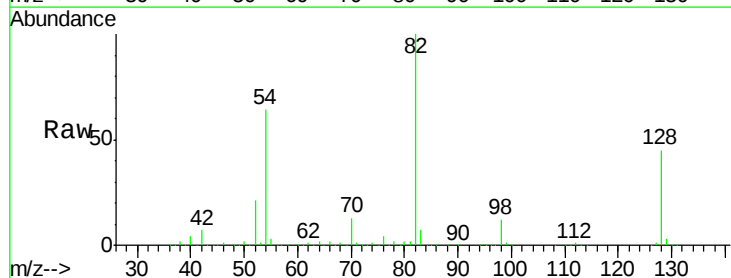
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-054-B

Tgt Ion:136 Resp: 1279204
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 10.3 9.1 13.7
68 5.9 4.6 6.8



#23
Nitrobenzene-d5
Concen: 75.25 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF119621.D
Acq: 28 Mar 2020 17:16

Tgt Ion: 82 Resp: 1771137
Ion Ratio Lower Upper
82 100
128 44.8 36.3 54.5
54 63.7 50.6 75.8





#25

Isophorone

Concen: 36.72 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.26 min

Lab File: BF119621.D

Acq: 28 Mar 2020 17:16

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-054-B

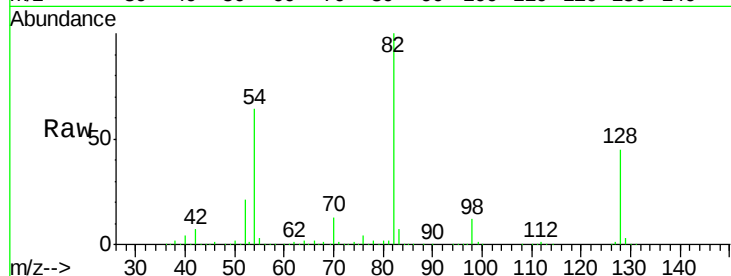
Tgt Ion: 82 Resp: 1753292

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

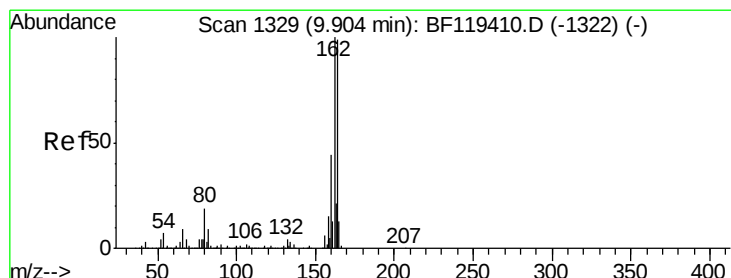
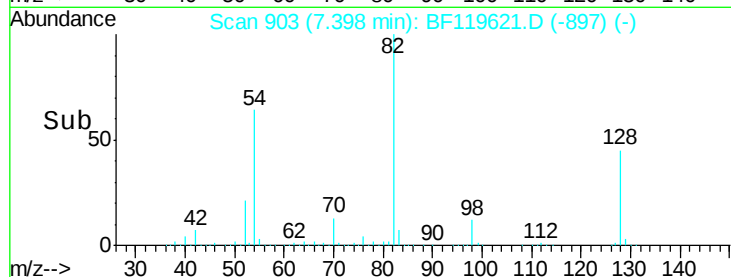
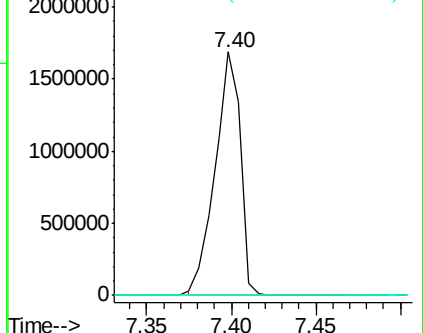
138 0.0 14.6 21.8#



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: 20.00 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF119621.D

Acq: 28 Mar 2020 17:16

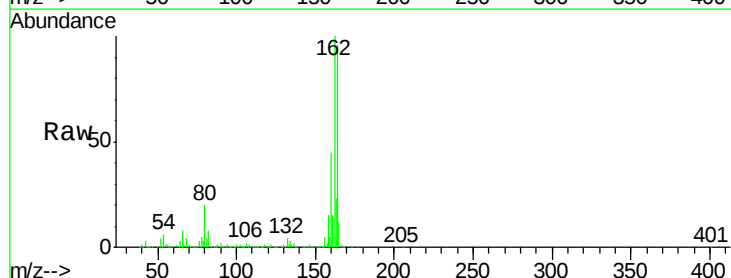
Tgt Ion: 164 Resp: 647323

Ion Ratio Lower Upper

164 100

162 104.1 80.6 121.0

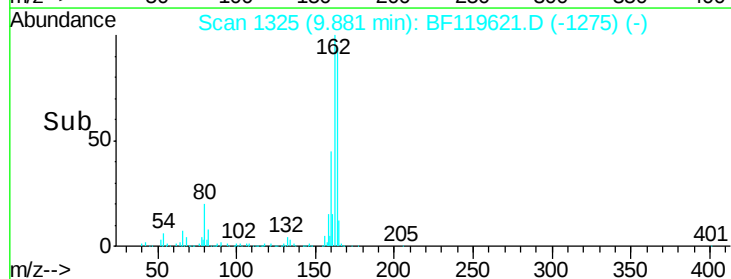
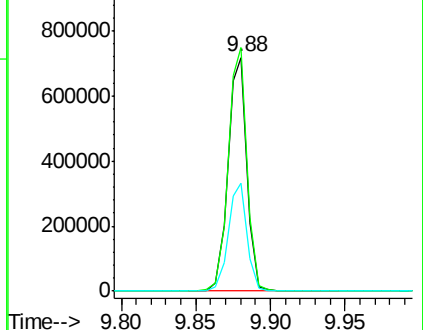
160 46.3 35.7 53.5

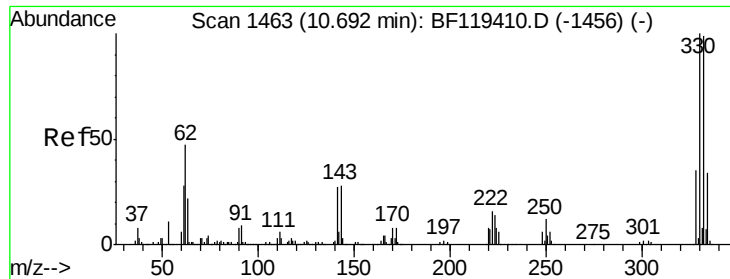


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

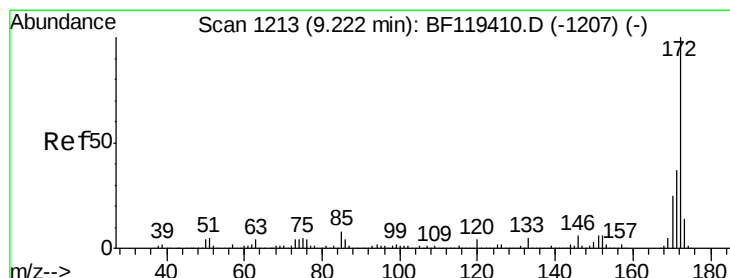
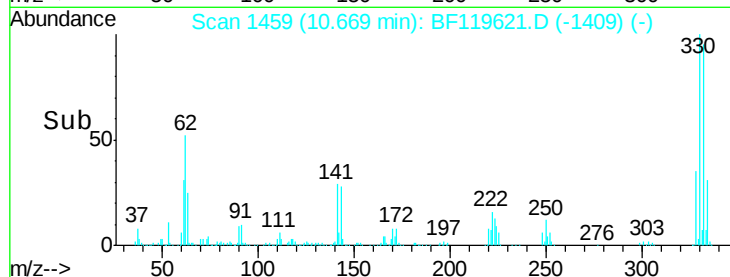
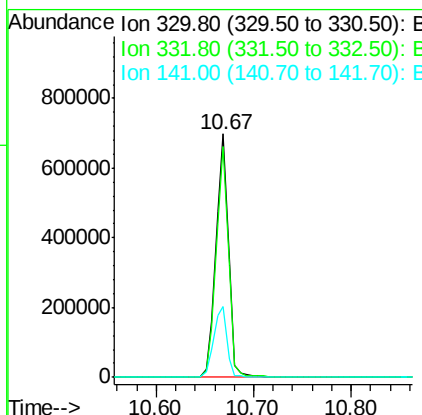
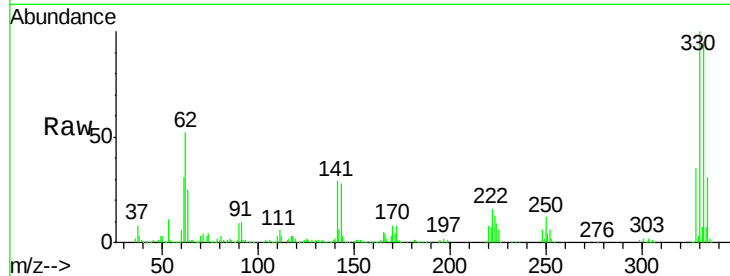




#42
 2,4,6-Tribromophenol
 Concen: 94.04 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF119621.D
 Acq: 28 Mar 2020 17:16

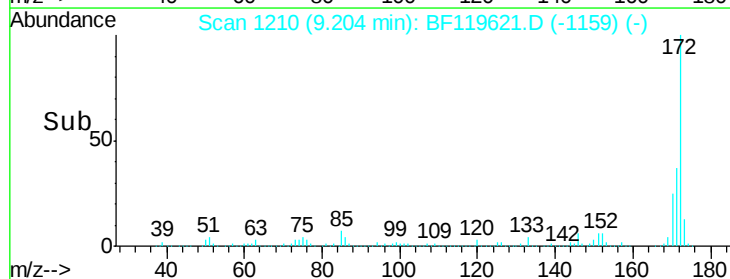
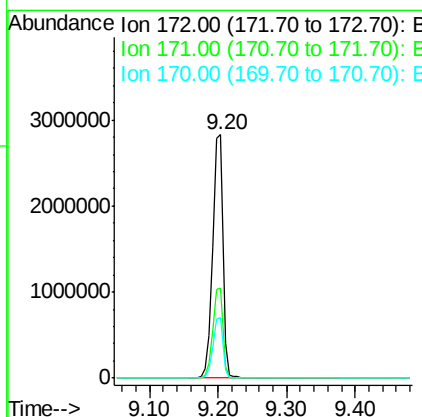
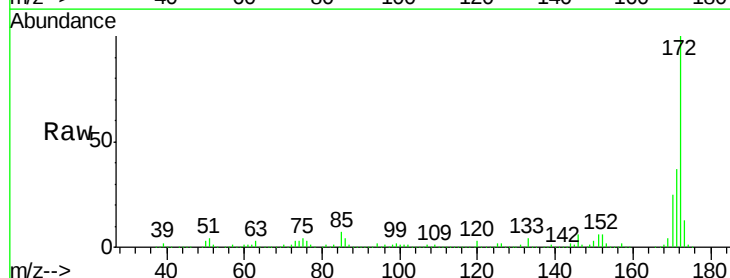
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-054-B

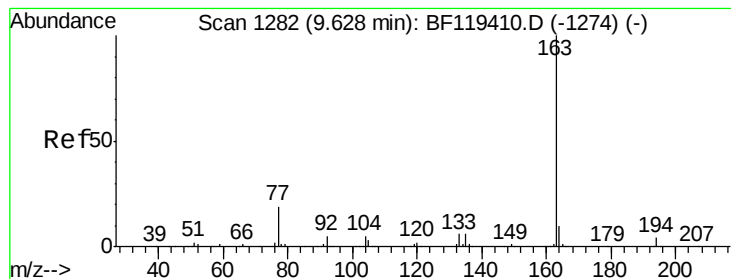
Tgt Ion:330 Resp: 628041
 Ion Ratio Lower Upper
 330 100
 332 93.9 75.7 113.5
 141 30.8 25.4 38.0



#45
 2-Fluorobiphenyl
 Concen: 67.21 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: BF119621.D
 Acq: 28 Mar 2020 17:16

Tgt Ion:172 Resp: 2936834
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.6 44.4
 170 24.9 20.2 30.2





#50

Dimethylphthalate

Concen: 4.27 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF119621.D

Acq: 28 Mar 2020 17:16

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-054-B

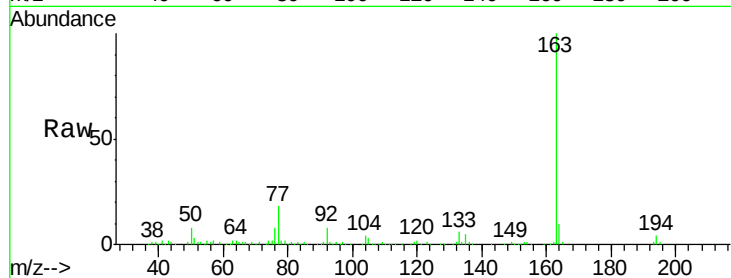
Tgt Ion:163 Resp: 196398

Ion Ratio Lower Upper

163 100

194 3.7 3.1 4.7

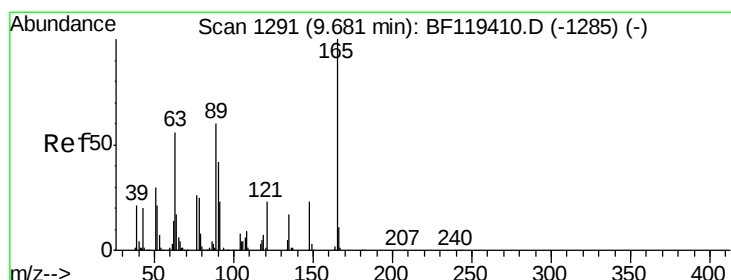
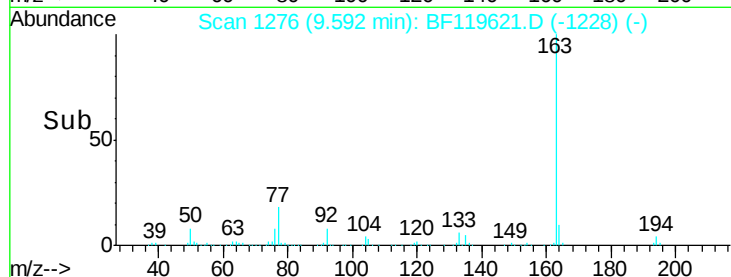
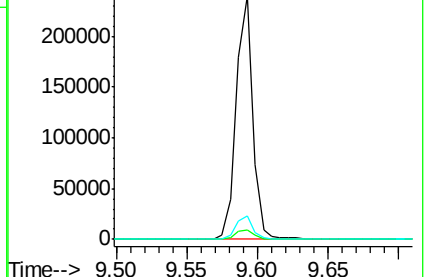
164 9.6 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 8.70 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.21 min

Lab File: BF119621.D

Acq: 28 Mar 2020 17:16

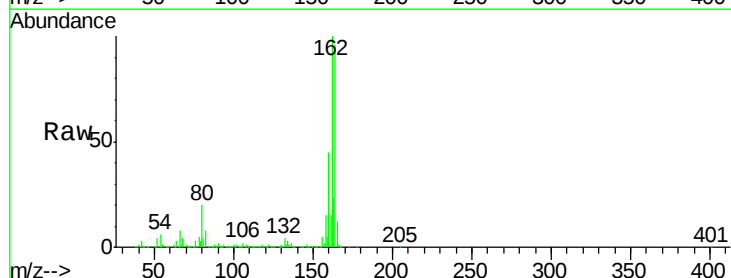
Tgt Ion:165 Resp: 85727

Ion Ratio Lower Upper

165 100

63 1.9 45.0 67.4#

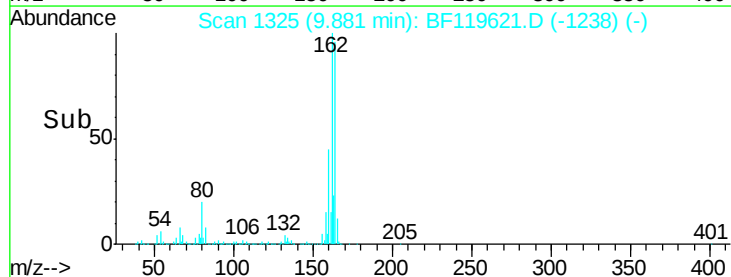
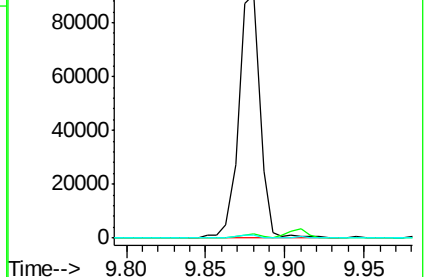
89 1.2 41.5 62.3#

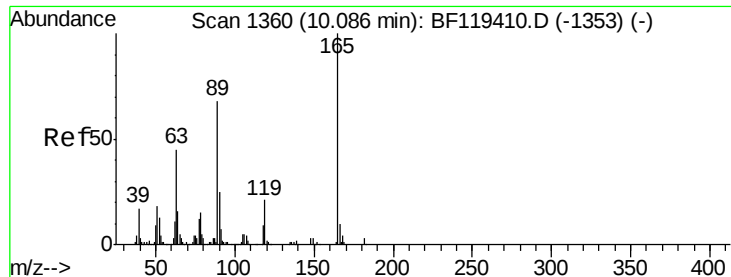


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

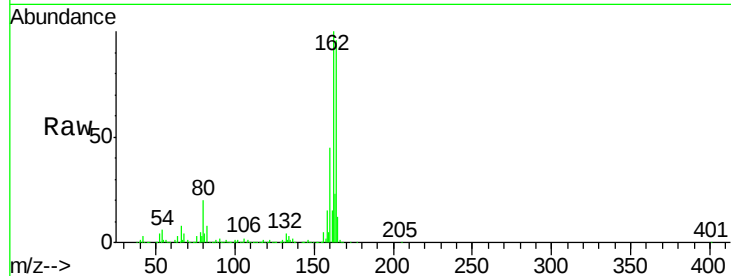




#57
2,4-Dinitrotoluene
Concen: 6.90 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.19 min
Lab File: BF119621.D
Acq: 28 Mar 2020 17:16

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-054-B

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	42.6	64.0#
89	1.2	61.0	91.4#
182	0.0	2.2	3.2#

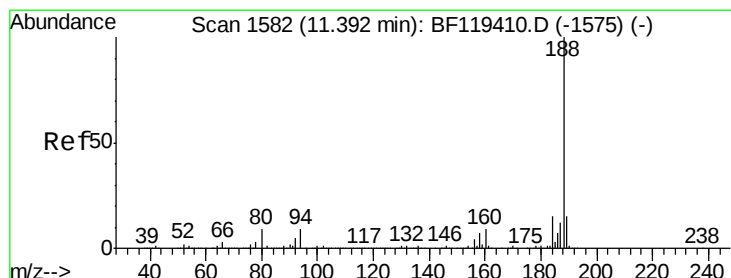
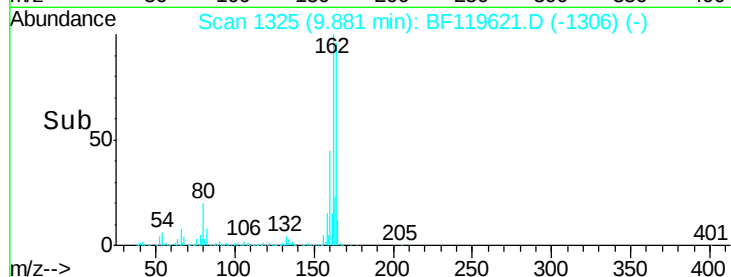
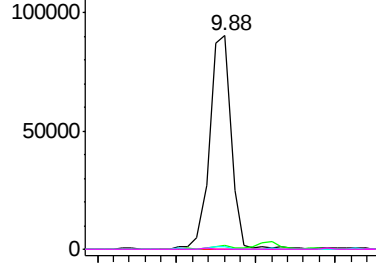


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

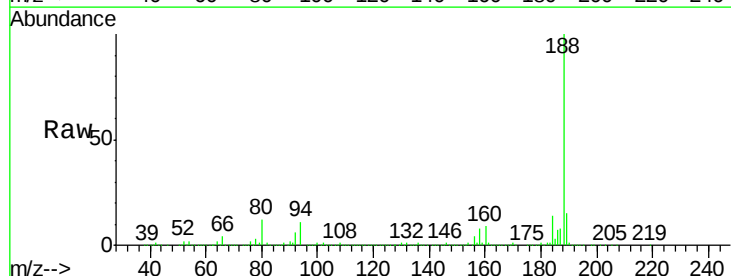
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF119621.D
Acq: 28 Mar 2020 17:16

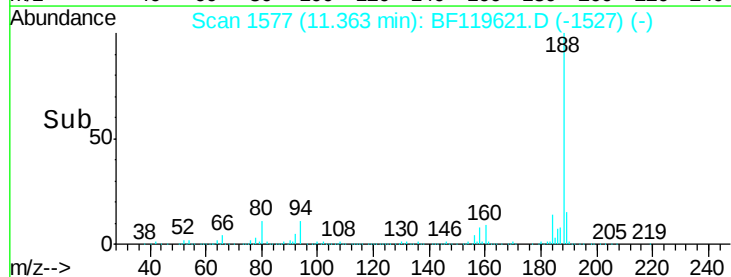
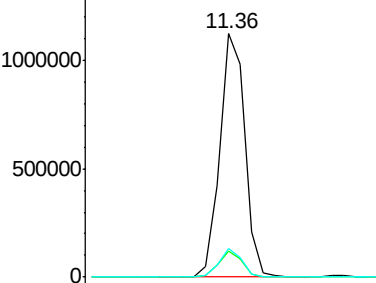
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.8	7.5	11.3
80	11.5	9.0	13.4

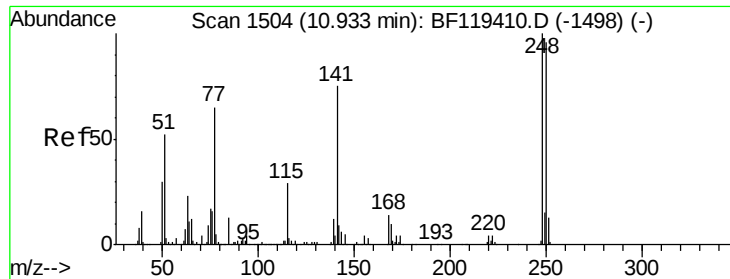


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

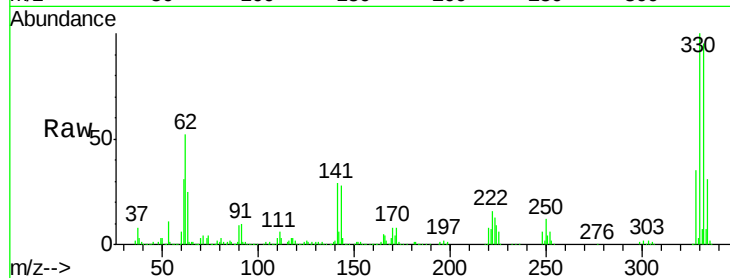




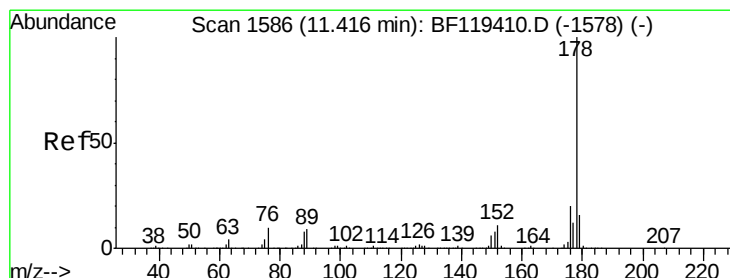
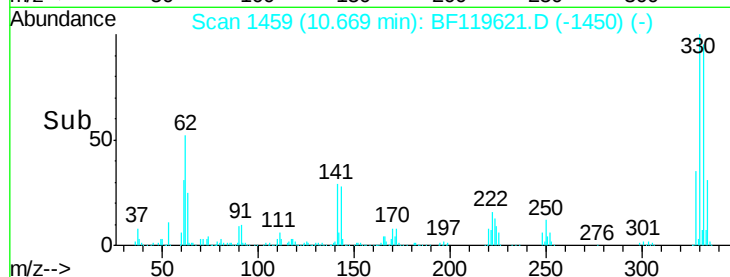
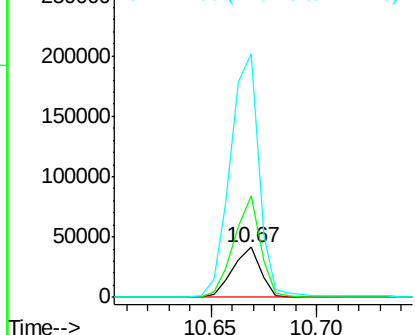
#67
 4-Bromophenyl-phenylether
 Concen: 3.35 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.25 min
 Lab File: BF119621.D
 Acq: 28 Mar 2020 17:16

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-054-B

Tgt Ion:248 Resp: 37906
 Ion Ratio Lower Upper
 248 100
 250 202.3 77.3 115.9#
 141 487.7 58.6 87.8#

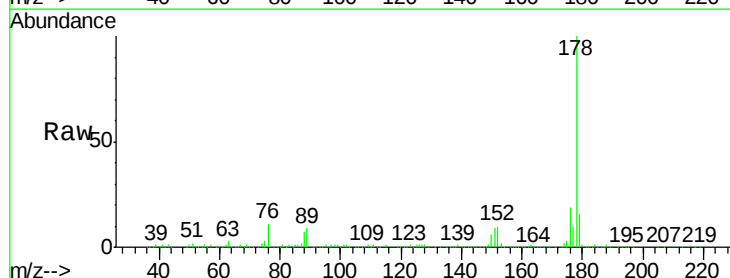


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

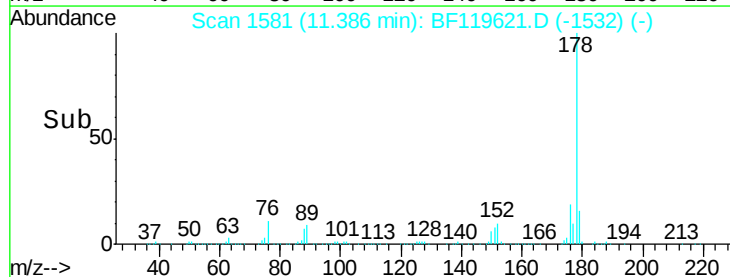
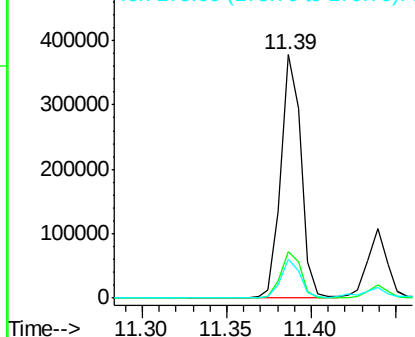


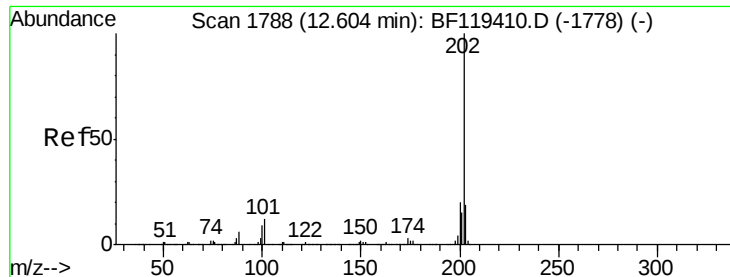
#71
 Phenanthrene
 Concen: 6.12 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF119621.D
 Acq: 28 Mar 2020 17:16

Tgt Ion:178 Resp: 315020
 Ion Ratio Lower Upper
 178 100
 176 19.0 16.2 24.4
 179 15.7 13.2 19.8



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: 9.41 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF119621.D

Acq: 28 Mar 2020 17:16

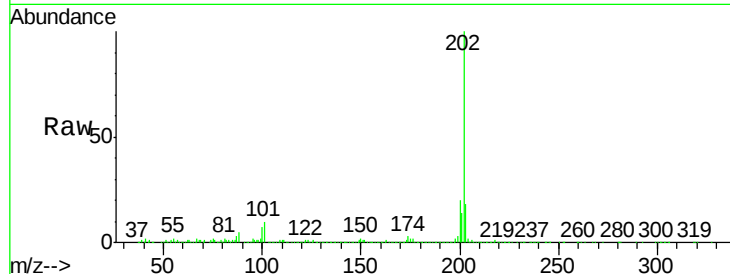
Instrument :

BNA_F

ClientSampleId :

FK-GF-02-054-B

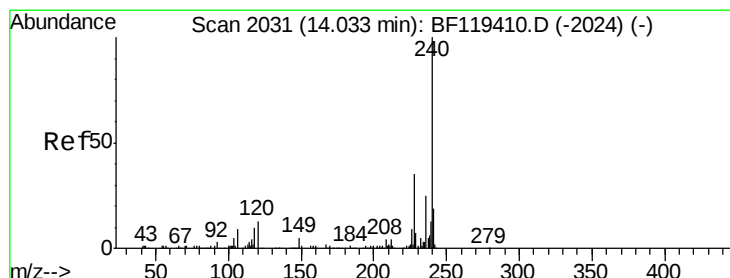
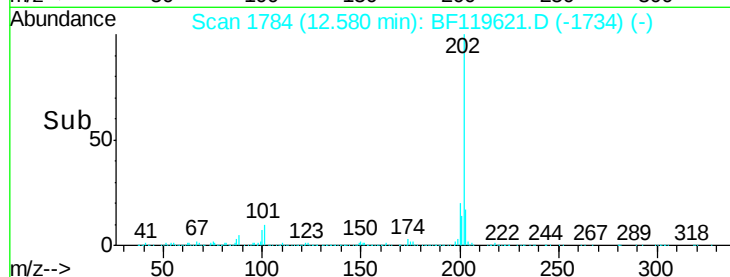
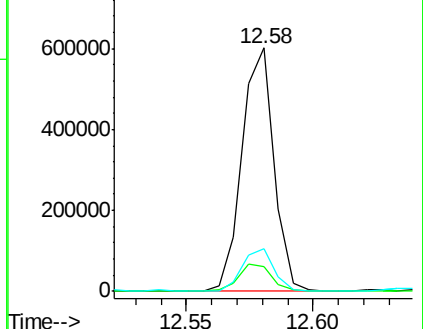
Tgt Ion:	202	Resp:	524345
Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	32.2
203	17.6	0.0	38.8



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: 20.00 ng

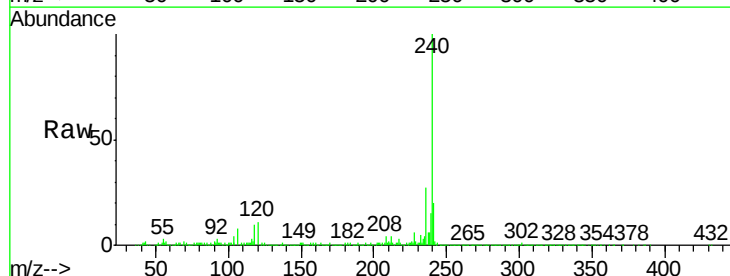
RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF119621.D

Acq: 28 Mar 2020 17:16

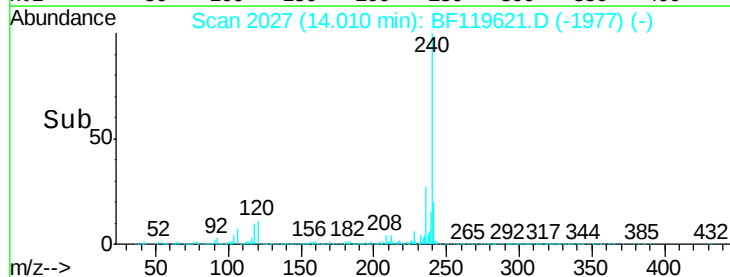
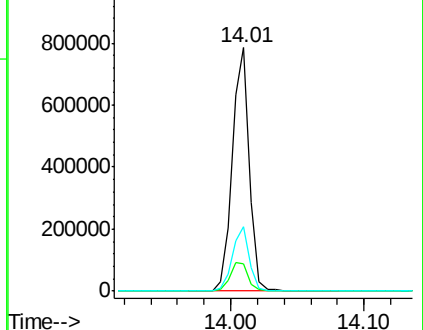
Tgt Ion:	240	Resp:	699351
Ion	Ratio	Lower	Upper
240	100		
120	11.3	10.6	15.8
236	26.6	20.2	30.2

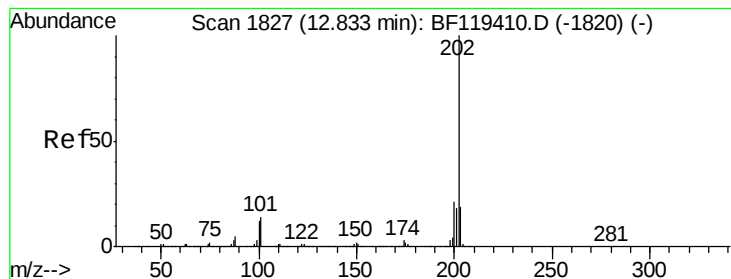


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 8.53 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF119621.D

Acq: 28 Mar 2020 17:16

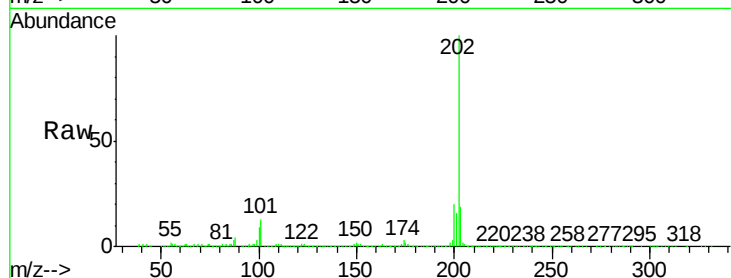
Instrument :

BNA_F

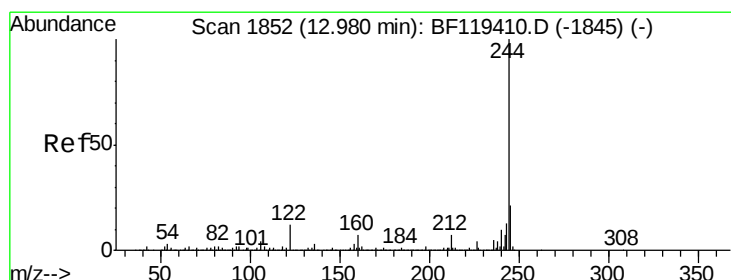
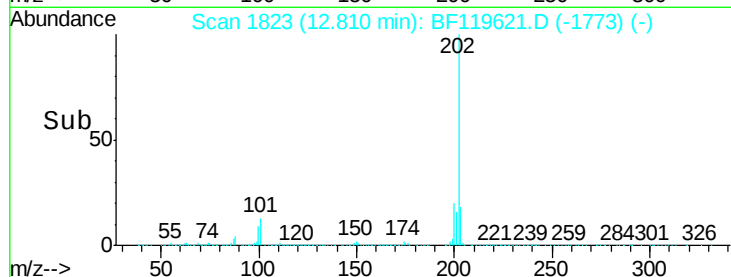
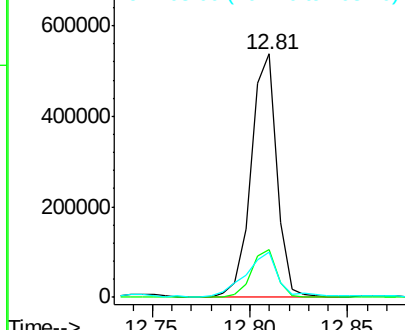
ClientSampleId :

FK-GF-02-054-B

Tgt Ion:	202	Resp:	489531
Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.8	25.2
203	18.5	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: 65.08 ng

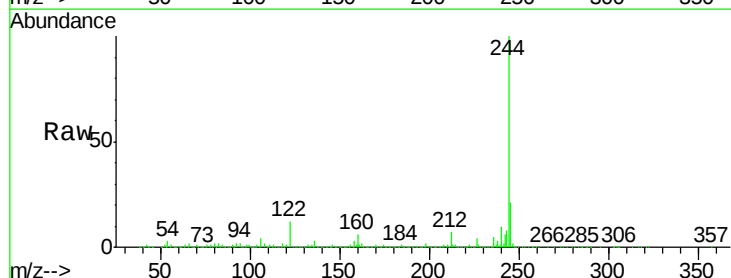
RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

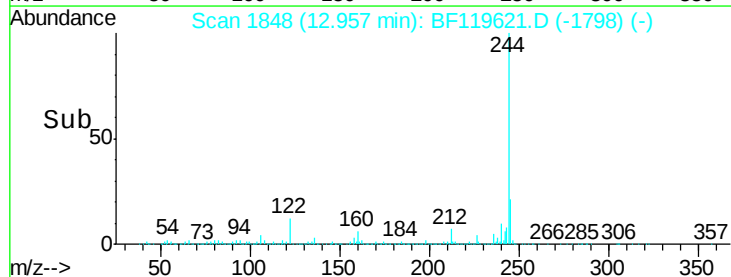
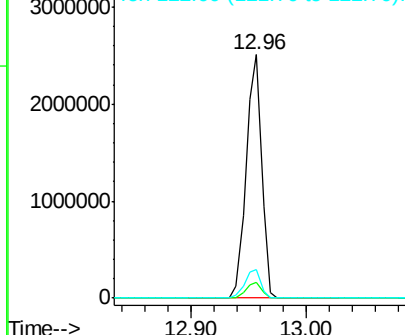
Lab File: BF119621.D

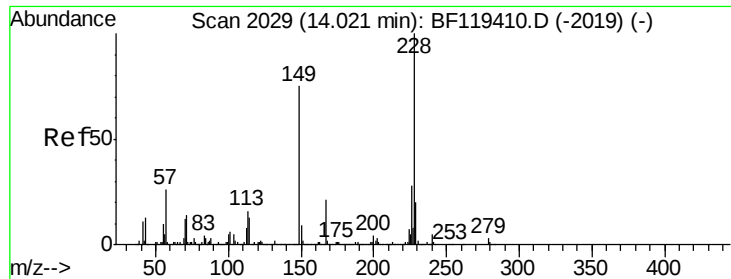
Acq: 28 Mar 2020 17:16

Tgt Ion:	244	Resp:	2323175
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	11.7	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

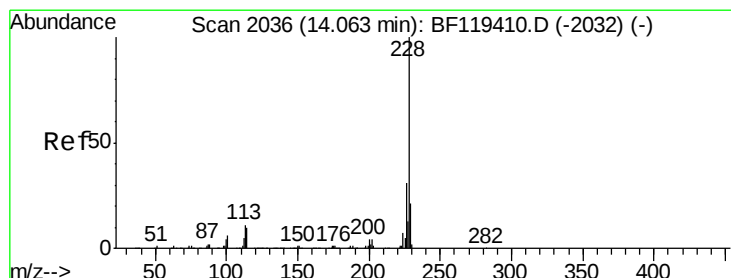
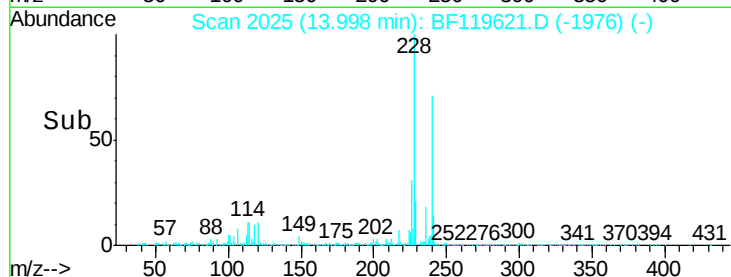
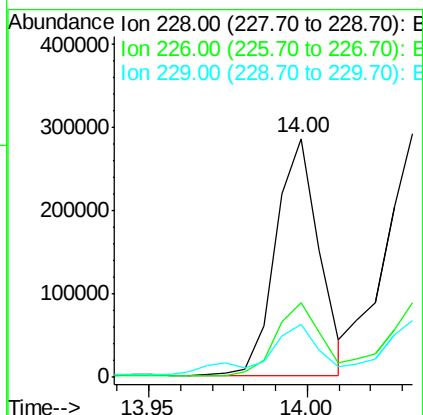
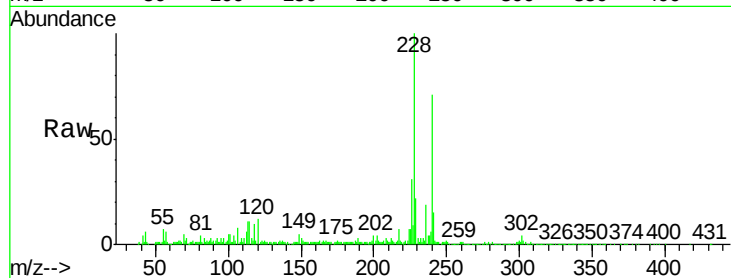




#81
Benzo(a)anthracene
Concen: 5.96 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF119621.D
Acq: 28 Mar 2020 17:16

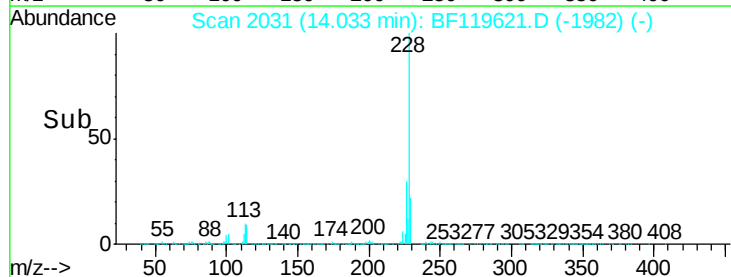
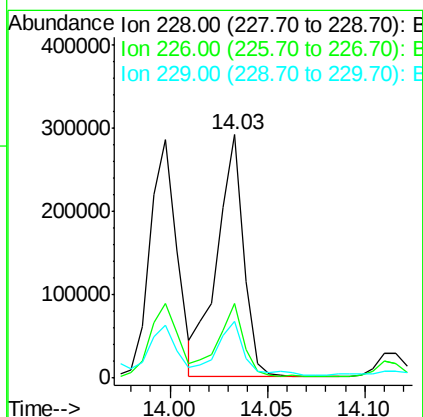
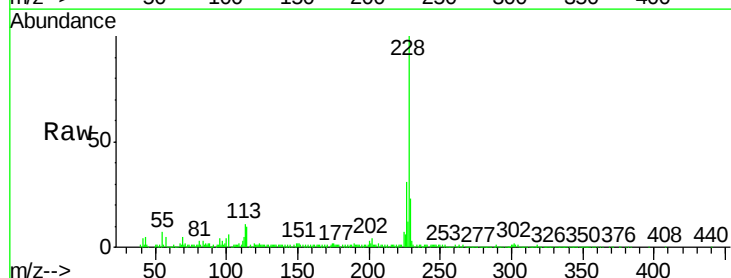
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-054-B

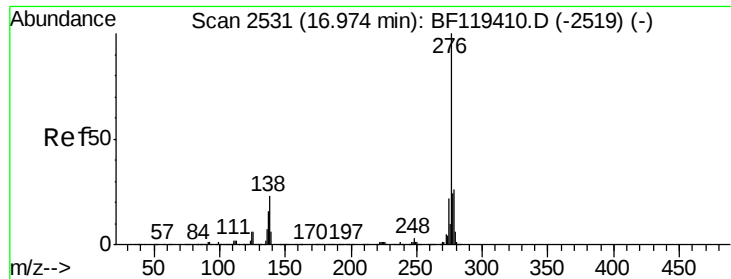
Tgt Ion:228 Resp: 270837
Ion Ratio Lower Upper
228 100
226 31.4 21.8 32.8
229 22.1 16.2 24.4



#83
Chrysene
Concen: 5.88 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF119621.D
Acq: 28 Mar 2020 17:16

Tgt Ion:228 Resp: 275898
Ion Ratio Lower Upper
228 100
226 30.7 25.4 38.0
229 23.1 16.6 24.8

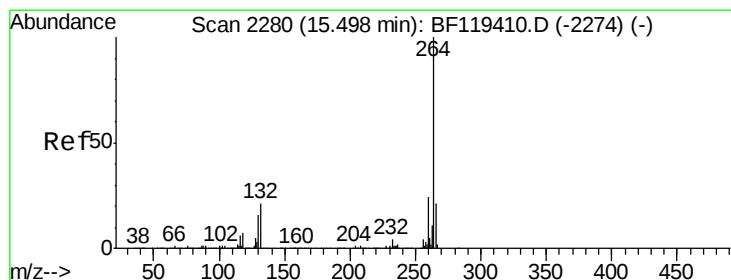
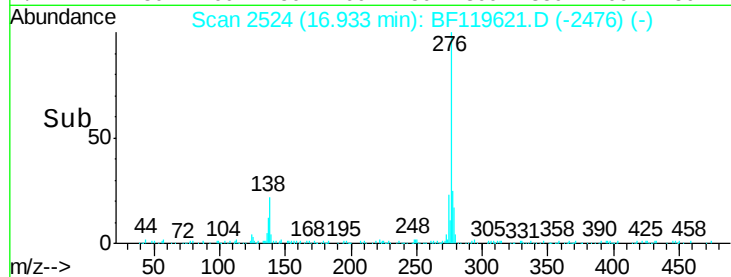
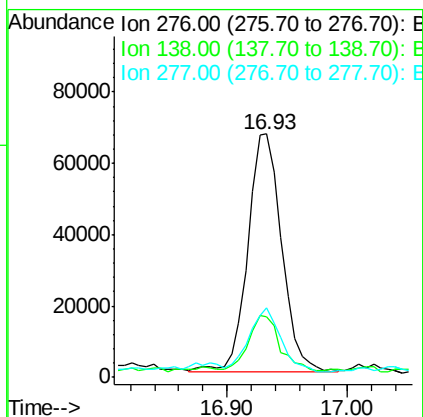
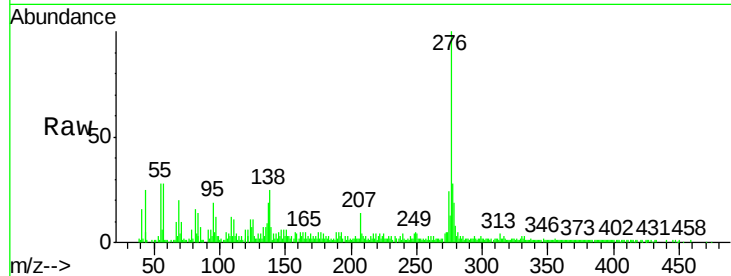




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.96 ng
 RT: 16.93 min Scan# 2524
 Delta R.T. -0.02 min
 Lab File: BF119621.D
 Acq: 28 Mar 2020 17:16

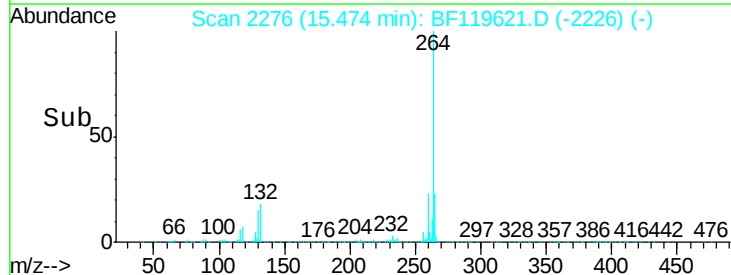
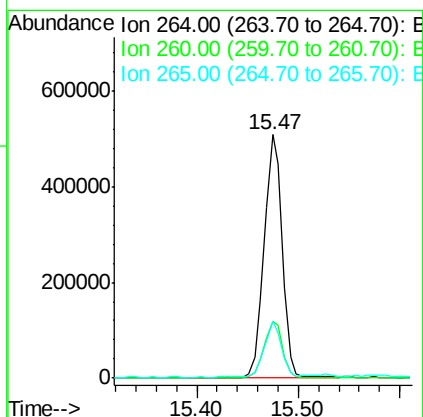
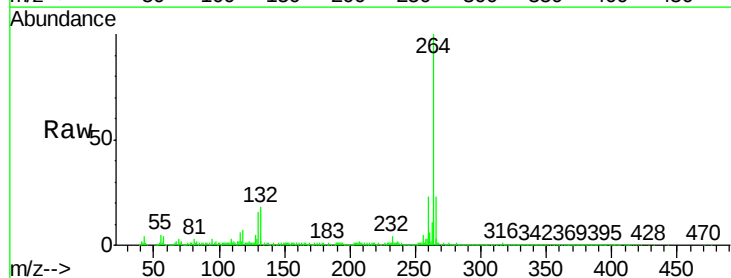
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-054-B

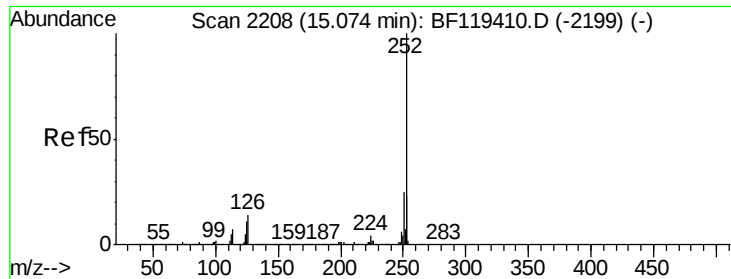
Tgt Ion: 276 Resp: 130996
 Ion Ratio Lower Upper
 276 100
 138 22.5 19.6 29.4
 277 25.4 20.0 30.0



#87
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.47 min Scan# 2276
 Delta R.T. -0.01 min
 Lab File: BF119621.D
 Acq: 28 Mar 2020 17:16

Tgt Ion: 264 Resp: 629333
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.7 28.1
 265 23.3 17.7 26.5

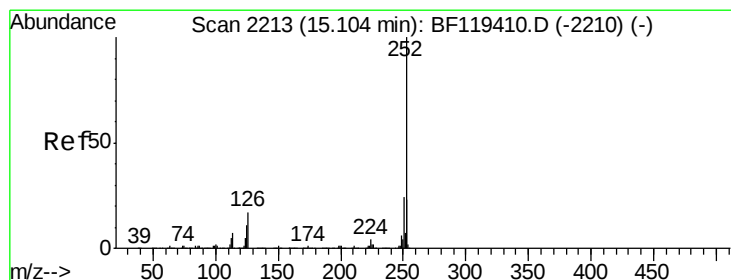
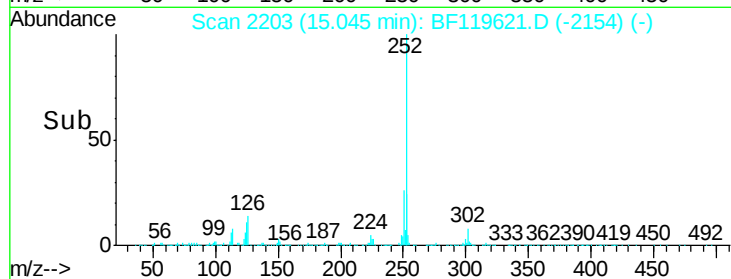
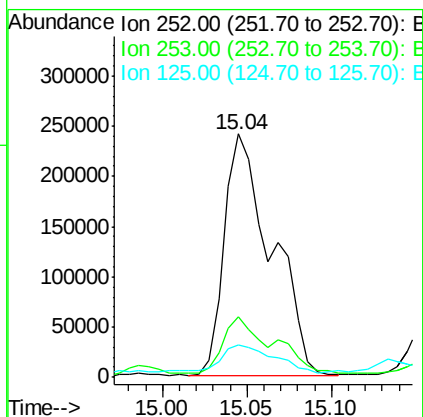
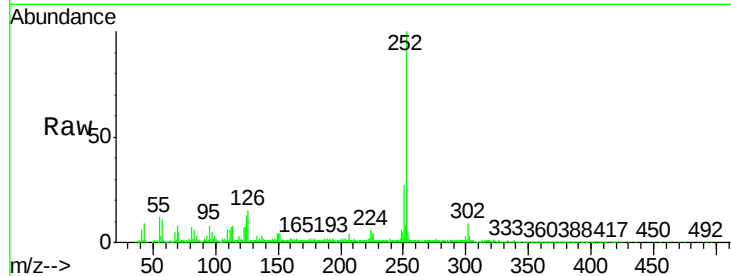




#88
Benzo(b)fluoranthene
Concen: 11.10 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF119621.D
Acq: 28 Mar 2020 17:16

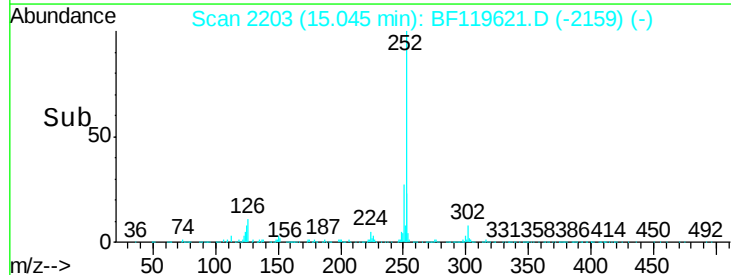
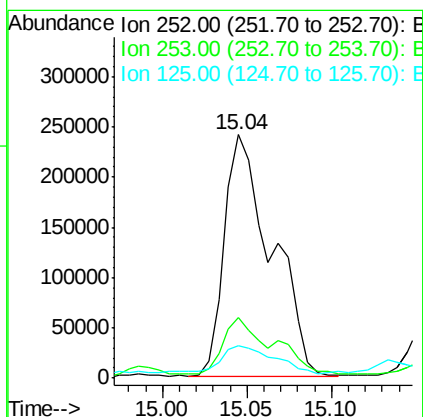
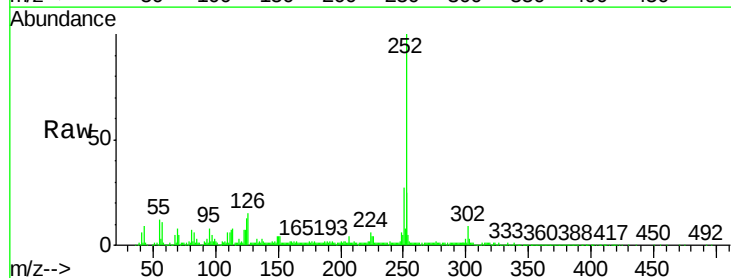
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-054-B

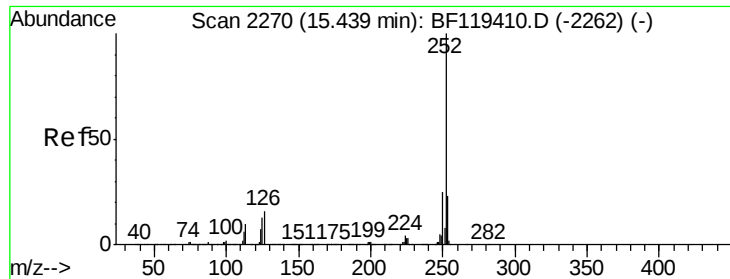
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.4	26.0
125	13.1	7.9	11.9#



#89
Benzo(k)fluoranthene
Concen: 11.66 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF119621.D
Acq: 28 Mar 2020 17:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.8	26.6
125	13.1	8.4	12.6#





#90

Benzo(a)pyrene

Concen: 5.93 ng

RT: 15.41 min Scan# 2265

Delta R.T. -0.01 min

Lab File: BF119621.D

Acq: 28 Mar 2020 17:16

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-054-B

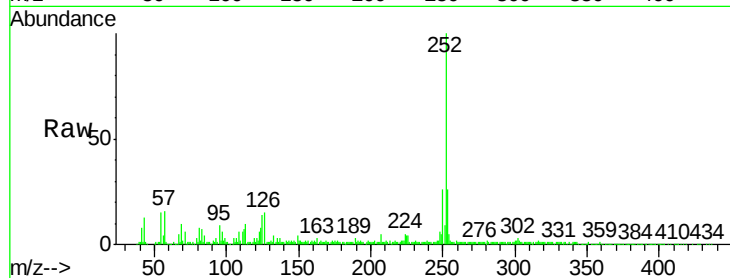
Tgt Ion:252 Resp: 226523

Ion Ratio Lower Upper

252 100

253 25.6 18.2 27.2

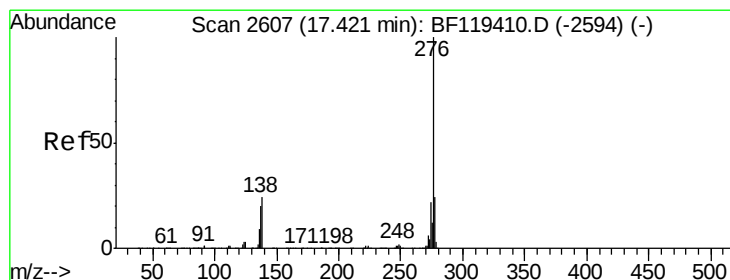
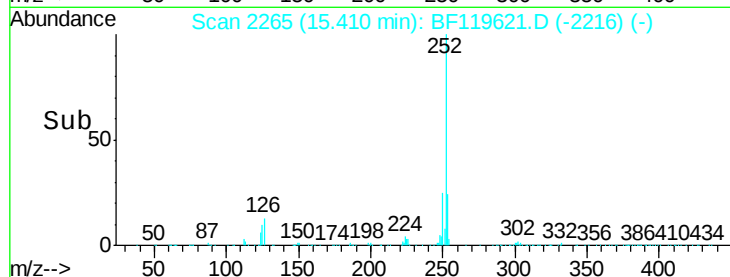
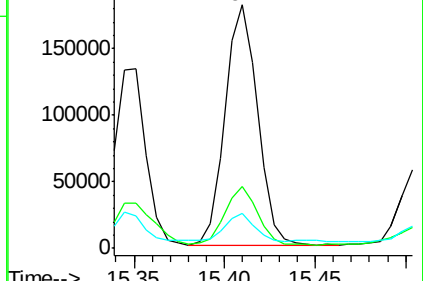
125 14.2 9.4 14.2#



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: 3.68 ng

RT: 17.37 min Scan# 2599

Delta R.T. -0.02 min

Lab File: BF119621.D

Acq: 28 Mar 2020 17:16

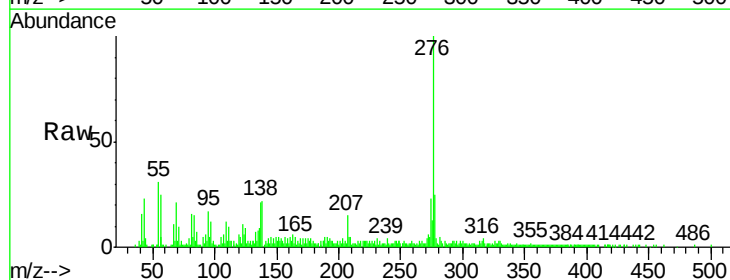
Tgt Ion:276 Resp: 123444

Ion Ratio Lower Upper

276 100

277 25.2 18.4 27.6

138 22.3 15.4 23.0



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

