

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030119\
 Data File : BF112804.D
 Acq On : 1 Mar 2019 17:16
 Operator : JU/SJ
 Sample : K1670-03 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-032-B

Quant Time: Mar 01 21:58:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	169591	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	623310	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	248073	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	420330	20.00	ng	0.00
76) Chrysene-d12	13.87	240	434795	20.00	ng	0.00
87) Perylene-d12	15.29	264	378676	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	494676	45.37	ng	0.00
7) Phenol-d6	6.37	99	627791	45.84	ng	0.00
23) Nitrobenzene-d5	7.30	82	354772	34.06	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	126360	47.98	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	600194	34.00	ng	0.00
79) Terphenyl-d14	12.83	244	536772	23.93	ng	0.00

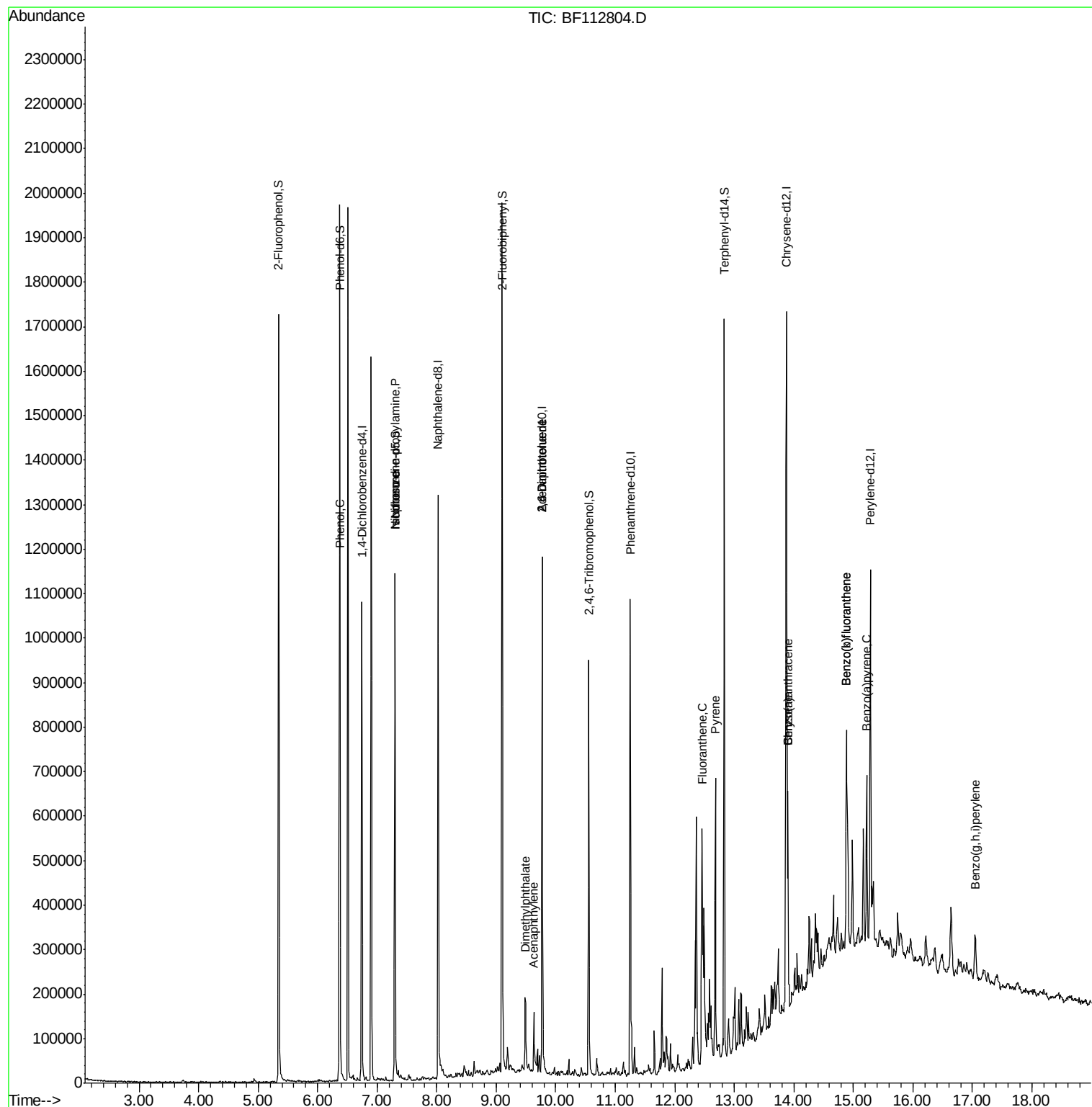
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.38	94	44826	2.805	ng	92
19) n-Nitroso-di-n-propylamine	7.30	70	45847	5.286	ng	# 78
25) Isophorone	7.30	82	351489	15.663	ng	# 66
49) Acenaphthylene	9.63	152	61099	2.278	ng	98
50) Dimethylphthalate	9.49	163	43439	2.375	ng	# 96
51) 2,6-Dinitrotoluene	9.77	165	32318	8.484	ng	# 18
57) 2,4-Dinitrotoluene	9.77	165	32318	6.826	ng	# 18
75) Fluoranthene	12.46	202	210013	9.373	ng	94
78) Pyrene	12.68	202	244822	6.679	ng	98
81) Benzo(a)anthracene	13.90	228	184998	6.139	ng	98
83) Chrysene	13.90	228	184998	6.267	ng	96
88) Benzo(b)fluoranthene	14.89	252	374135	15.275	ng	99
89) Benzo(k)fluoranthene	14.89	252	374135	16.863	ng	99
90) Benzo(a)pyrene	15.23	252	179644	8.292	ng	97
92) Benzo(g,h,i)perylene	17.04	276	82758	4.458	ng	97

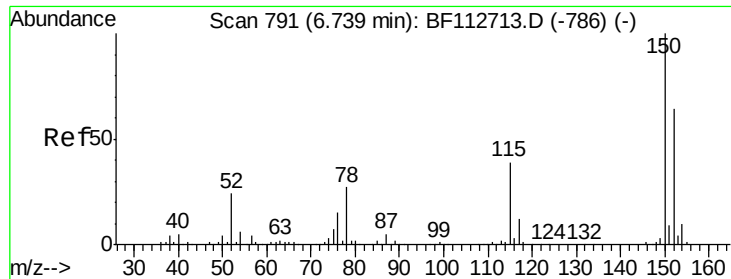
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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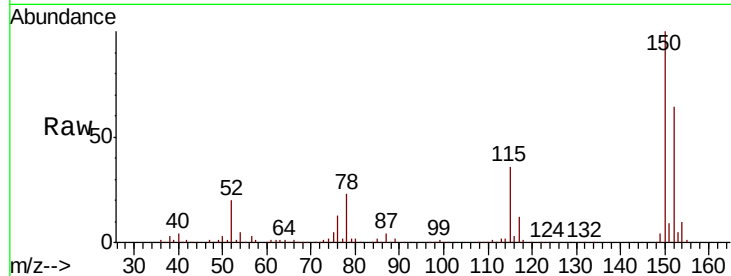


#1

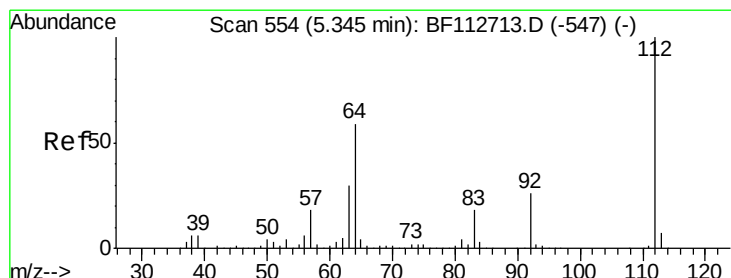
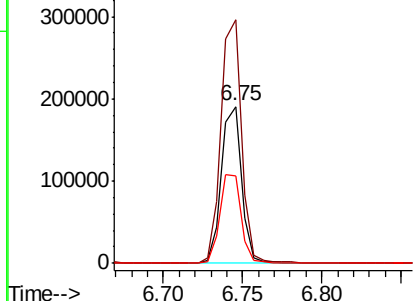
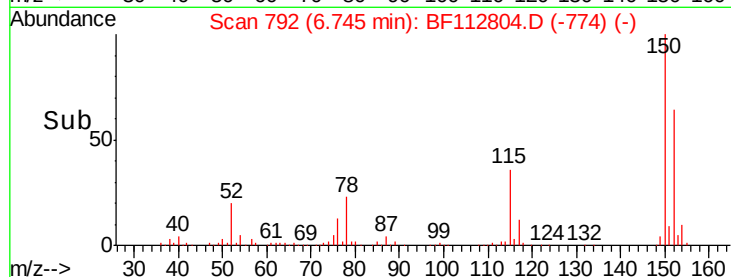
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.75 min Scan# 792
 Delta R.T. 0.01 min
 Lab File: BF112804.D
 Acq: 1 Mar 2019 17:16

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-032-B

Tgt Ion:152 Resp: 169591
 Ion Ratio Lower Upper
 152 100
 150 155.5 124.2 186.2
 115 56.2 48.2 72.4



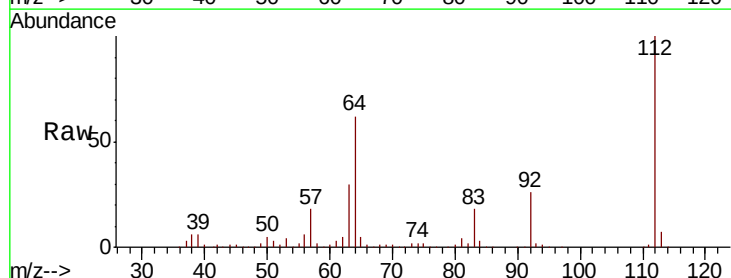
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



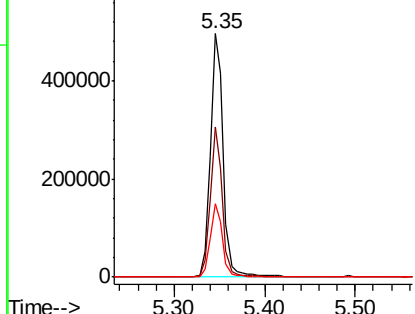
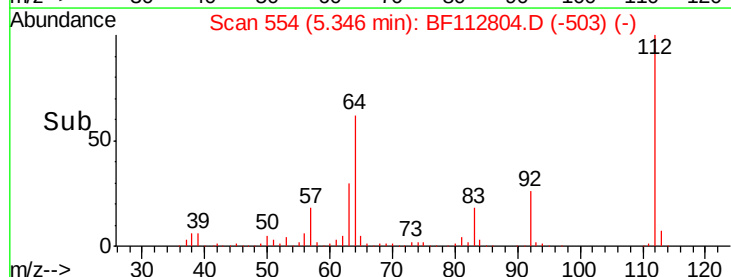
#5

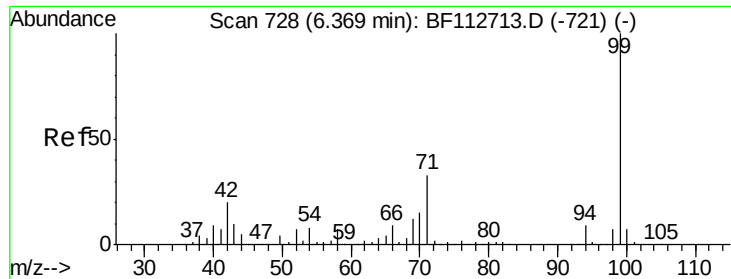
2-Fluorophenol
 Concen: 45.373 ng
 RT: 5.35 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: BF112804.D
 Acq: 1 Mar 2019 17:16

Tgt Ion:112 Resp: 494676
 Ion Ratio Lower Upper
 112 100
 64 61.9 47.6 71.4
 63 30.4 24.4 36.6



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: 45.840 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF112804.D

Acq: 1 Mar 2019 17:16

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-032-B

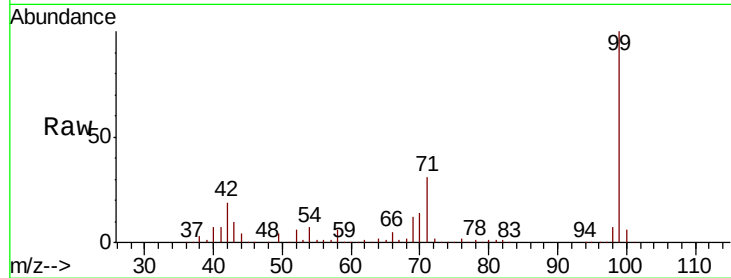
Tgt Ion: 99 Resp: 627791

Ion Ratio Lower Upper

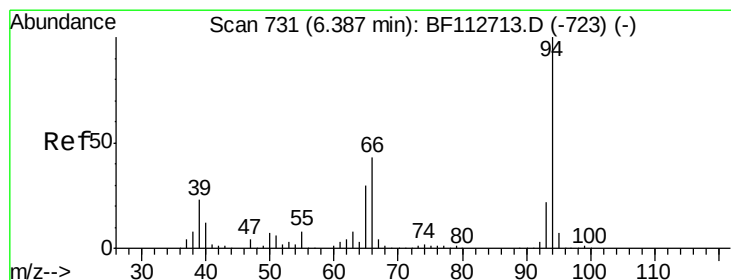
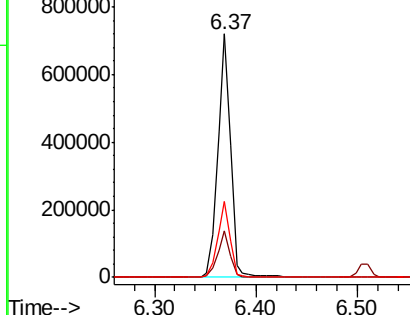
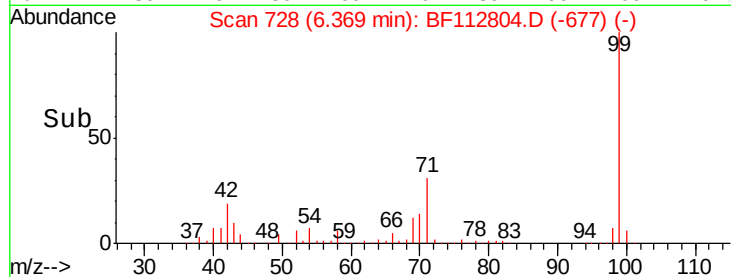
99 100

42 18.8 16.3 24.5

71 31.3 26.2 39.4



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.805 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF112804.D

Acq: 1 Mar 2019 17:16

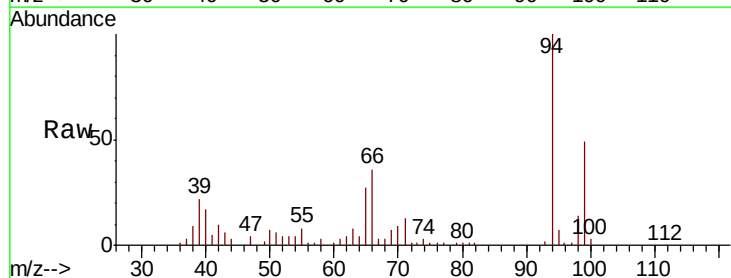
Tgt Ion: 94 Resp: 44826

Ion Ratio Lower Upper

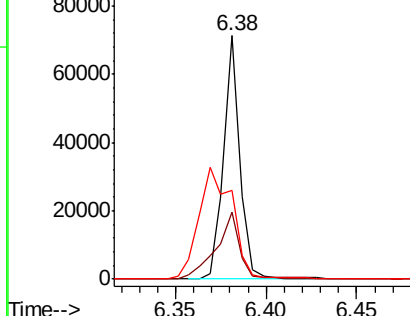
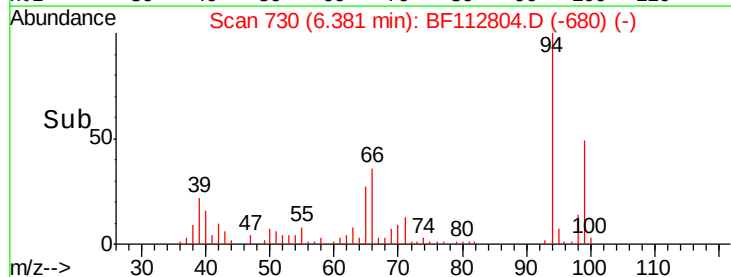
94 100

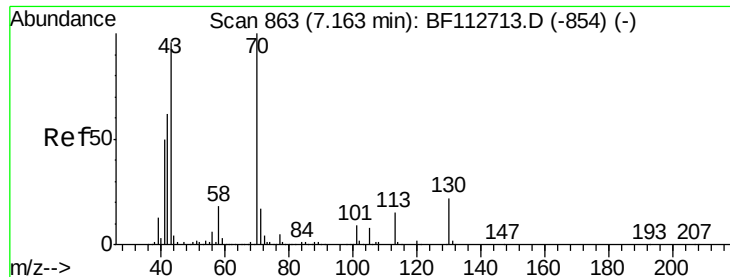
65 27.3 10.5 50.5

66 36.5 22.6 62.6



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

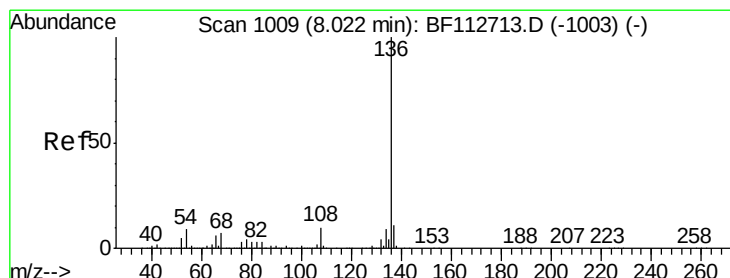
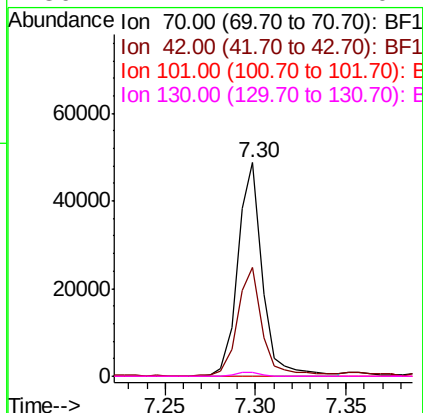
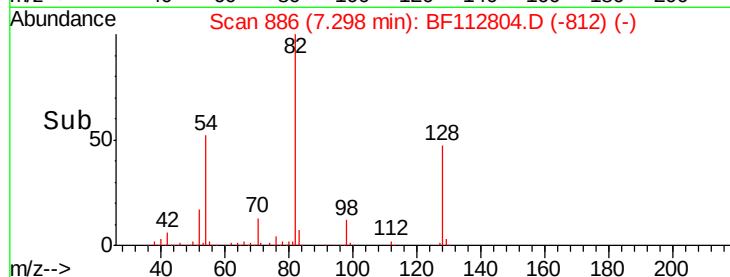
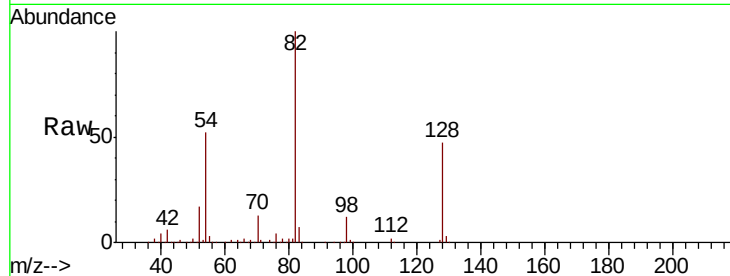




#19
n-Nitroso-di-n-propylamine
Concen: 5.286 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.14 min
Lab File: BF112804.D
Acq: 1 Mar 2019 17:16

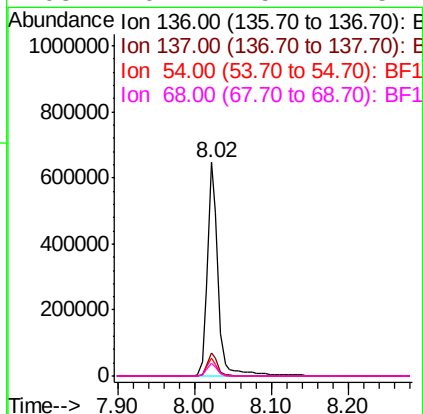
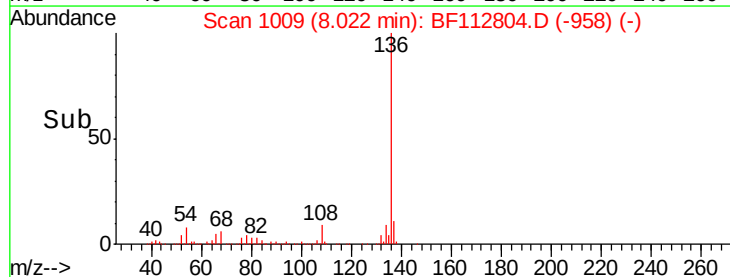
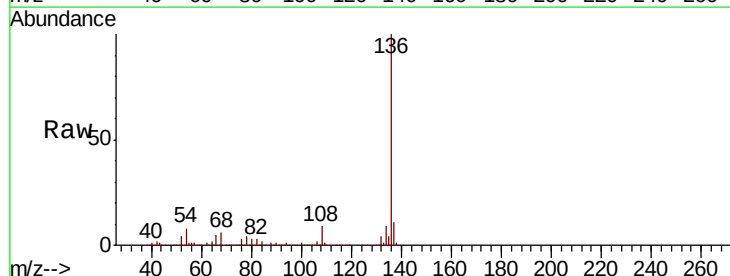
Instrument :
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FK-GF-02-032-B

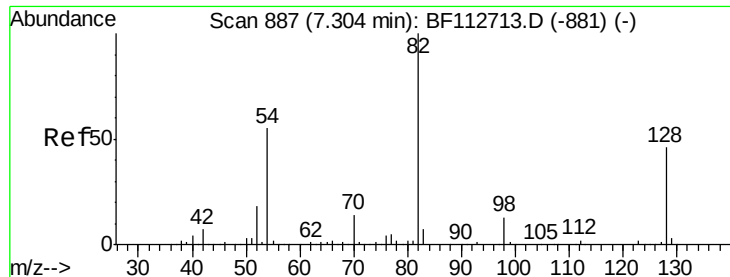
Tgt Ion: 70 Resp: 45847
Ion Ratio Lower Upper
70 100
42 51.1 49.9 74.9
101 0.0 7.4 11.2#
130 2.1 17.4 26.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF112804.D
Acq: 1 Mar 2019 17:16

Tgt Ion: 136 Resp: 623310
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 8.4 7.3 10.9
68 6.2 5.4 8.2

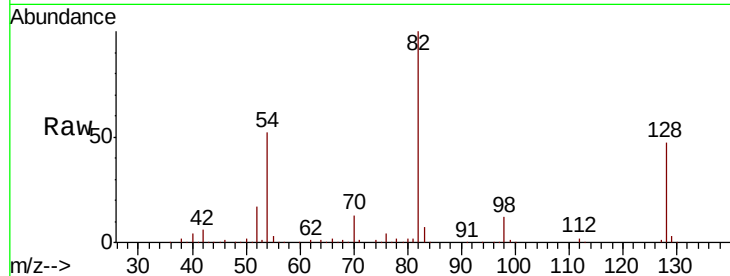




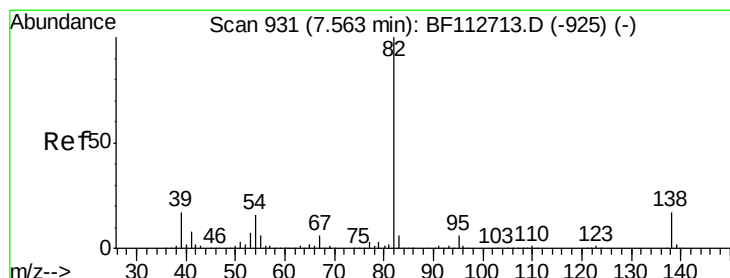
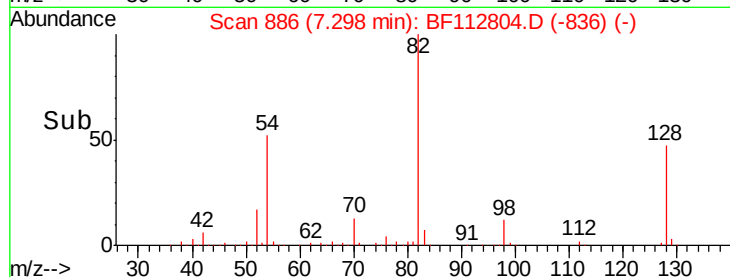
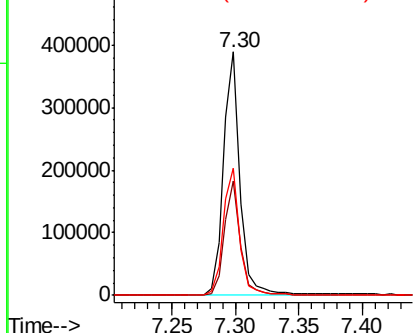
#23
Nitrobenzene-d5
Concen: 34.058 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112804.D
Acq: 1 Mar 2019 17:16

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-032-B

Tgt Ion: 82 Resp: 354772
Ion Ratio Lower Upper
82 100
128 46.7 36.3 54.5
54 52.3 43.7 65.5

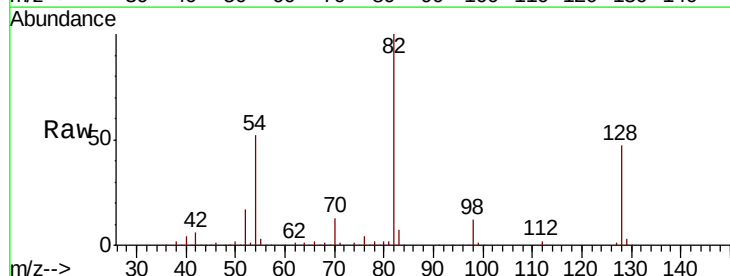


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

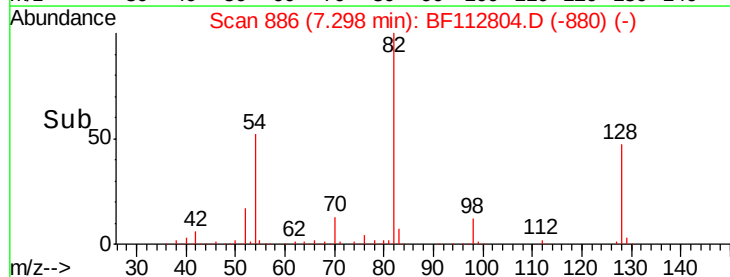
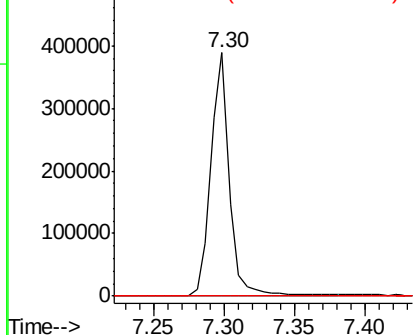


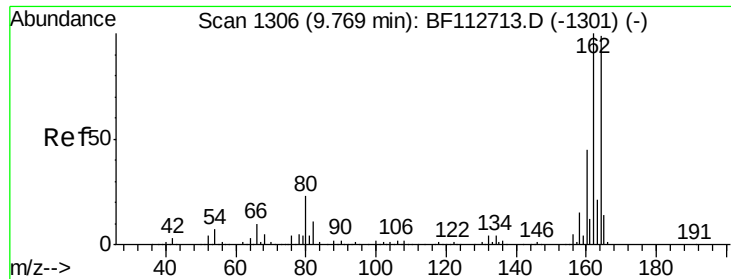
#25
Isophorone
Concen: 15.663 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.26 min
Lab File: BF112804.D
Acq: 1 Mar 2019 17:16

Tgt Ion: 82 Resp: 351489
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
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

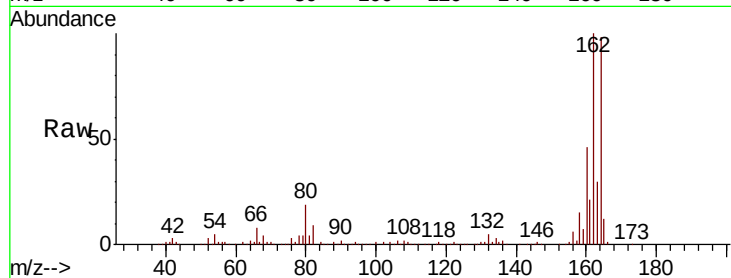




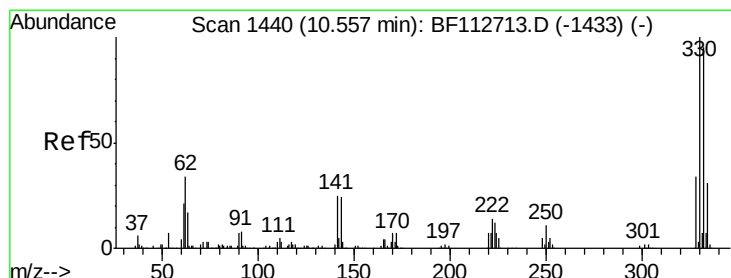
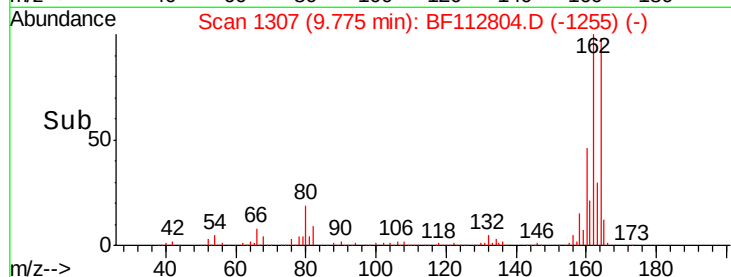
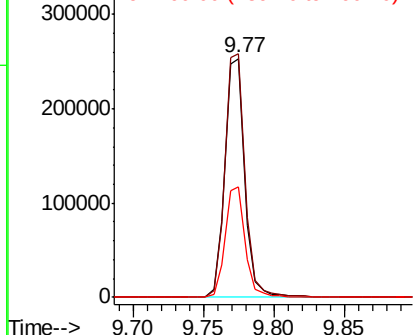
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. 0.01 min
 Lab File: BF112804.D
 Acq: 1 Mar 2019 17:16

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 FK-GF-02-032-B

Tgt Ion:	164	Resp:	248073
Ion	Ratio	Lower	Upper
164	100		
162	102.0	80.6	120.8
160	46.5	36.0	54.0

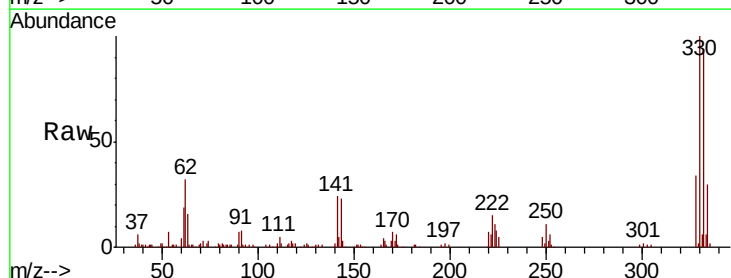


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

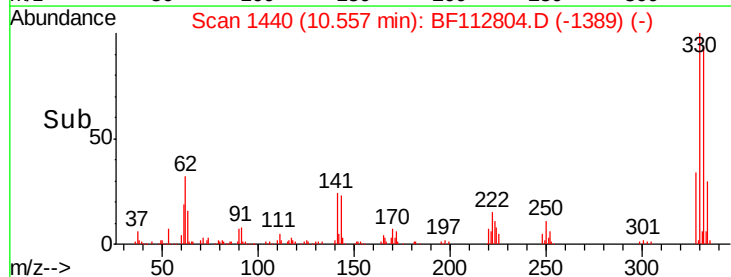
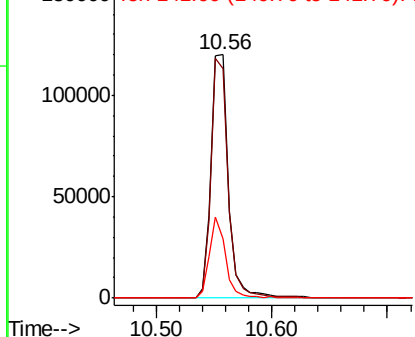


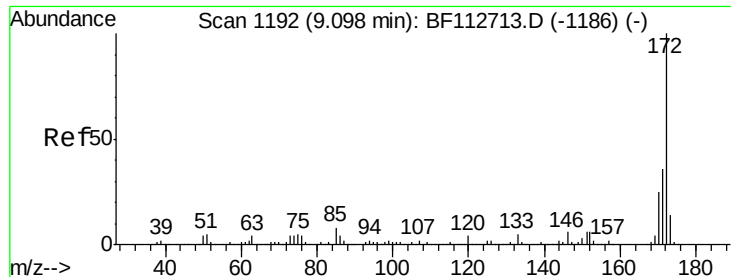
#42
 2,4,6-Tribromophenol
 Concen: 47.980 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF112804.D
 Acq: 1 Mar 2019 17:16

Tgt Ion:	330	Resp:	126360
Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.2	114.4
141	31.0	27.0	40.6



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

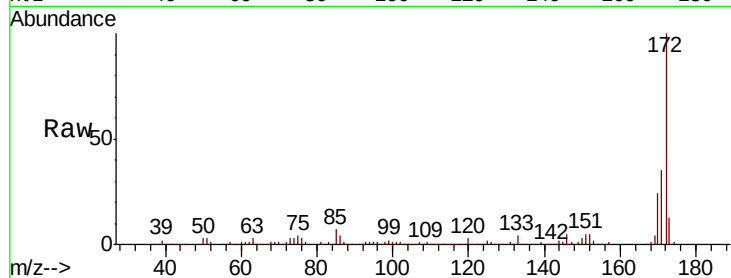




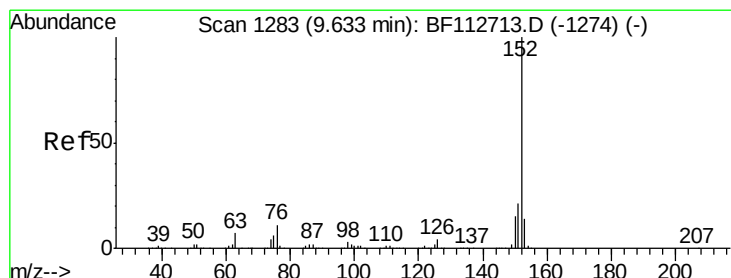
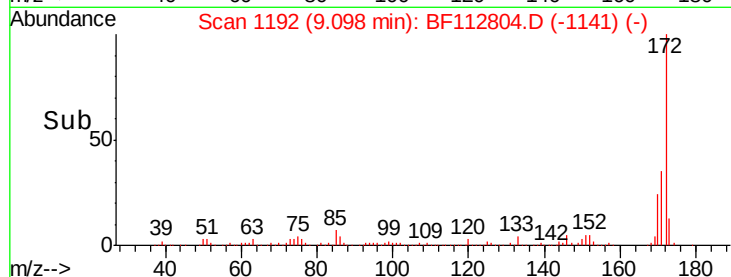
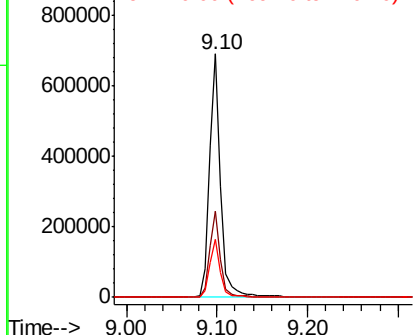
#45
2-Fluorobiphenyl
Concen: 34.002 ng
RT: 9.10 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF112804.D
Acq: 1 Mar 2019 17:16

Instrument :
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FK-GF-02-032-B

Tgt Ion:172 Resp: 600194
Ion Ratio Lower Upper
172 100
171 35.2 29.0 43.4
170 23.7 20.0 30.0

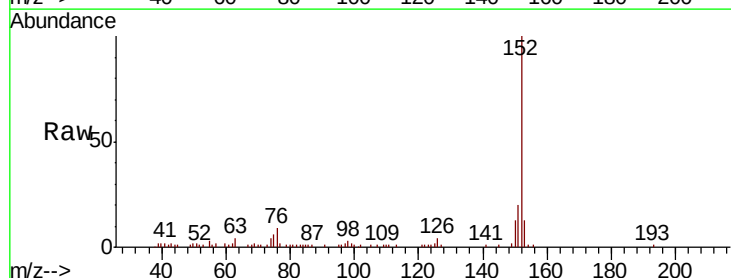


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

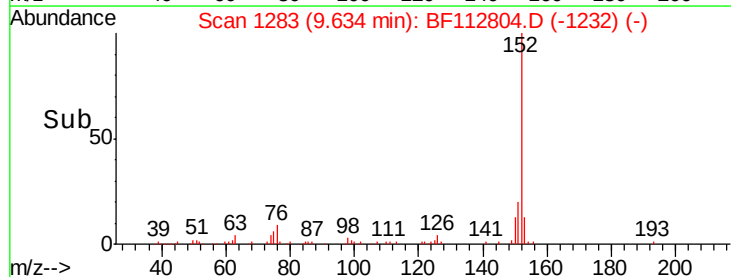
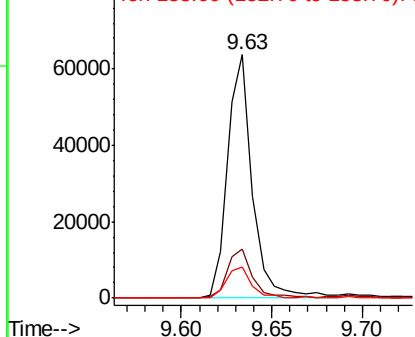


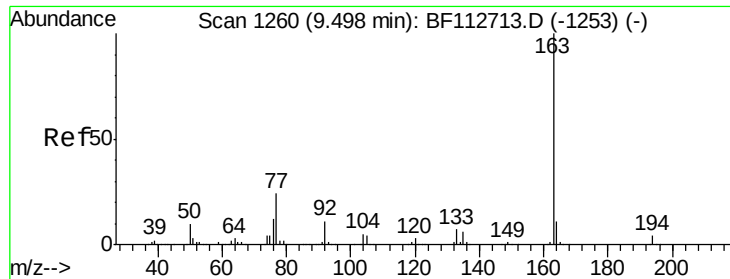
#49
Acenaphthylene
Concen: 2.278 ng
RT: 9.63 min Scan# 1283
Delta R.T. 0.00 min
Lab File: BF112804.D
Acq: 1 Mar 2019 17:16

Tgt Ion:152 Resp: 61099
Ion Ratio Lower Upper
152 100
151 20.2 16.9 25.3
153 12.5 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

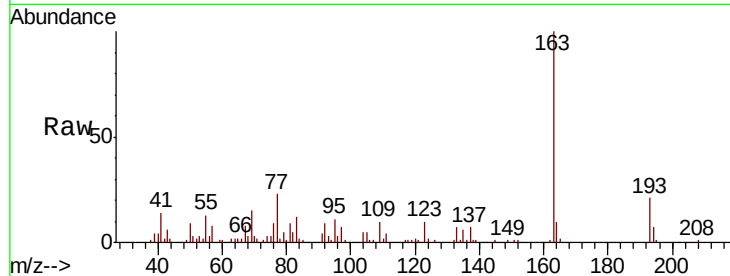




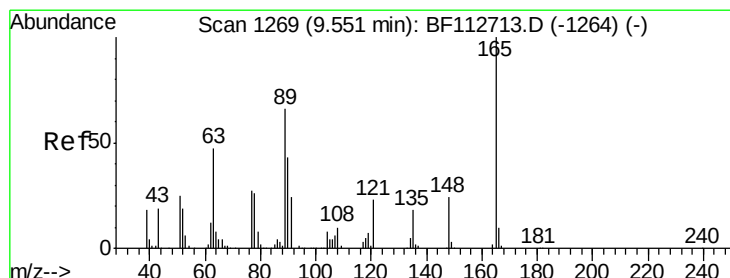
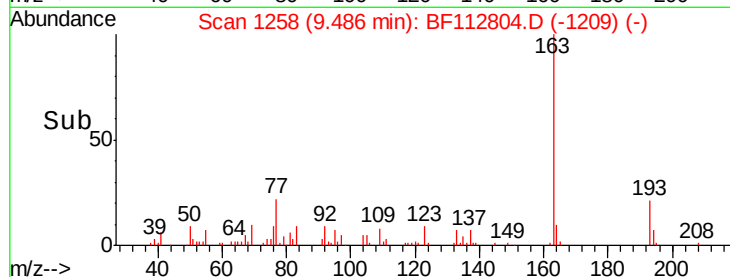
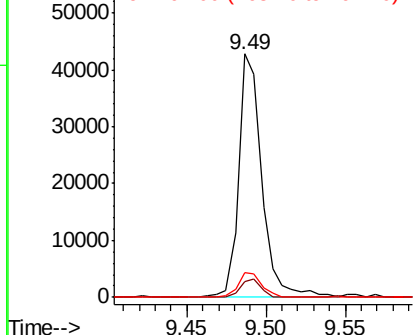
#50
Dimethylphthalate
Concen: 2.375 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF112804.D
Acq: 1 Mar 2019 17:16

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-032-B

Tgt Ion:163 Resp: 43439
Ion Ratio Lower Upper
163 100
194 6.7 3.0 4.4#
164 9.9 8.4 12.6

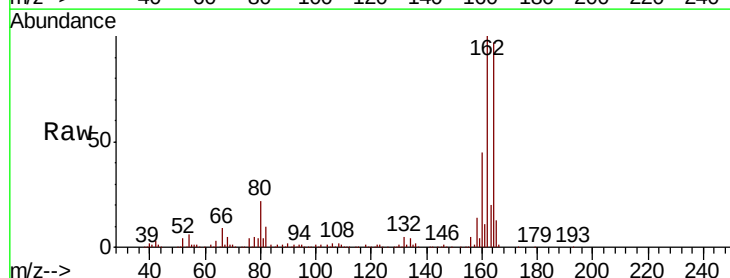


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

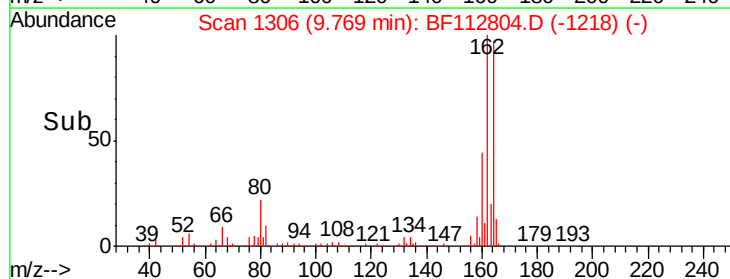
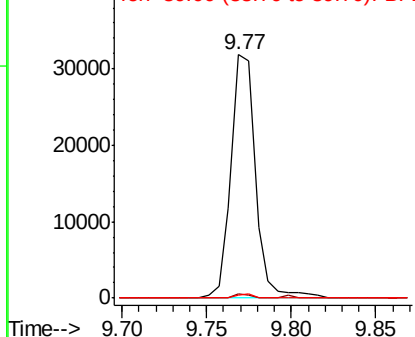


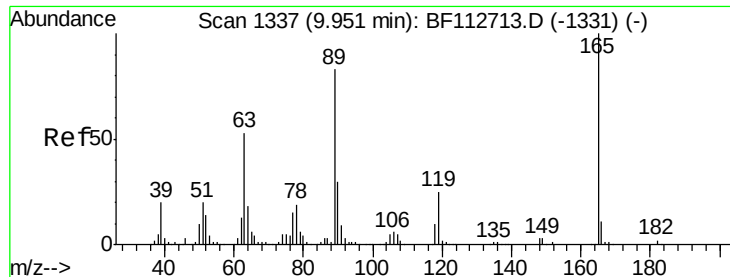
#51
2,6-Dinitrotoluene
Concen: 8.484 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.22 min
Lab File: BF112804.D
Acq: 1 Mar 2019 17:16

Tgt Ion:165 Resp: 32318
Ion Ratio Lower Upper
165 100
63 1.5 54.1 81.1#
89 1.3 52.8 79.2#



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

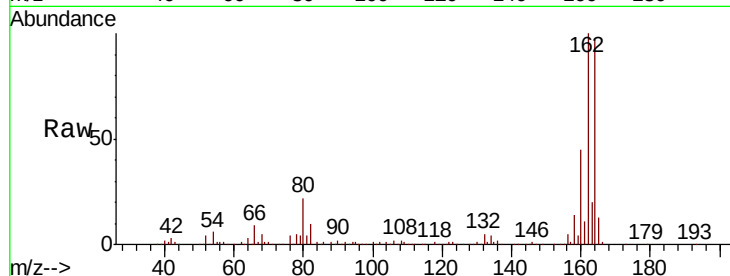




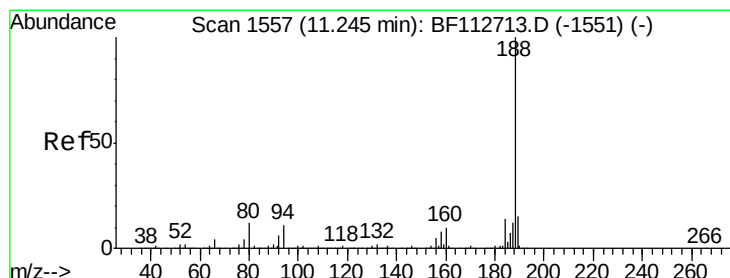
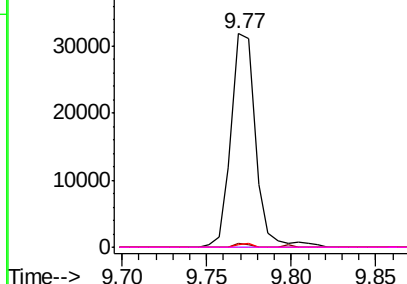
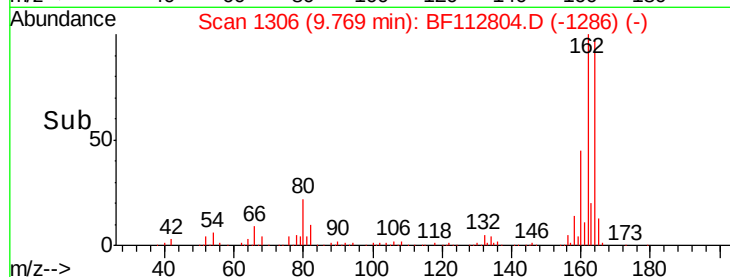
#57
 2,4-Dinitrotoluene
 Concen: 6.826 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.18 min
 Lab File: BF112804.D
 Acq: 1 Mar 2019 17:16

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-032-B

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	42.2	63.2#
89	1.3	66.2	99.4#
182	0.0	1.8	2.6#

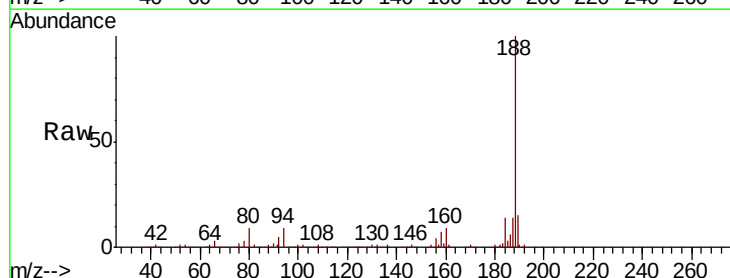


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

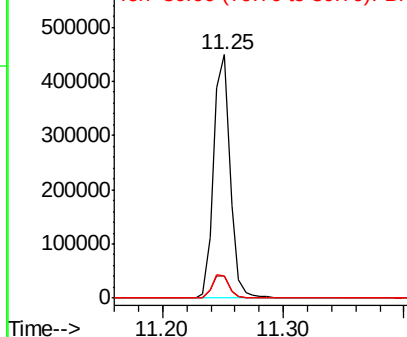
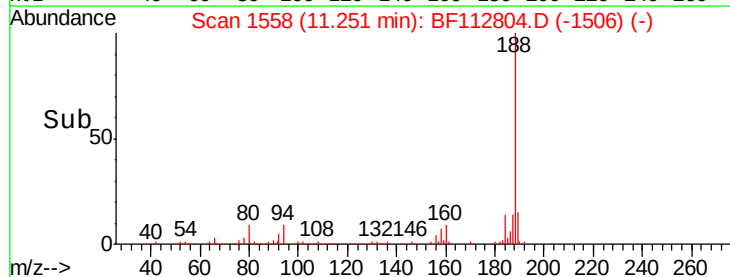


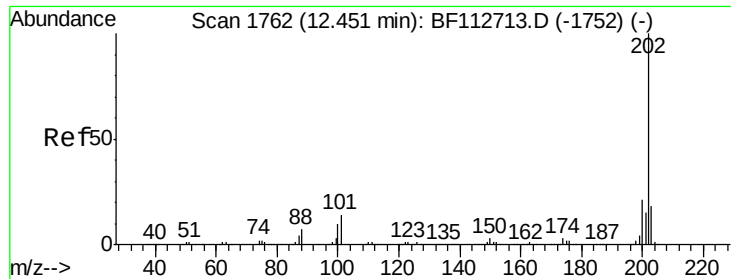
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. 0.01 min
 Lab File: BF112804.D
 Acq: 1 Mar 2019 17:16

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	9.0	13.4
80	9.4	9.2	13.8



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





#75

Fluoranthene

Concen: 9.373 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF112804.D

Acq: 1 Mar 2019 17:16

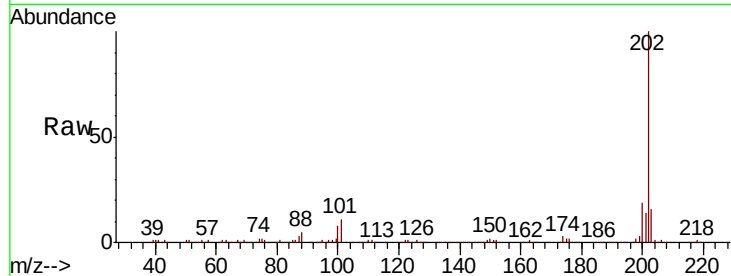
Instrument :

BNA_F

ClientSampleId :

FK-GF-02-032-B

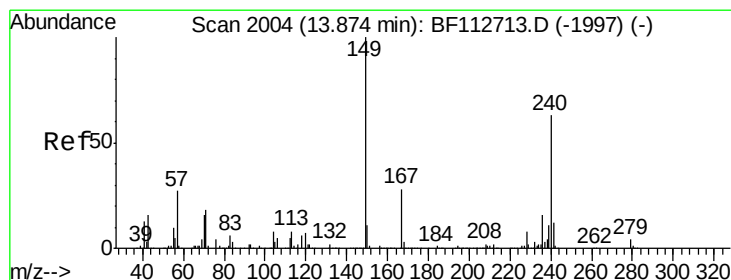
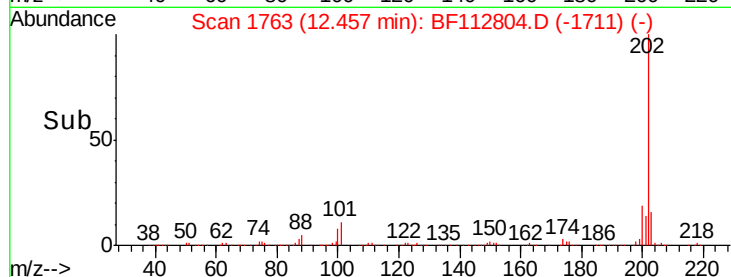
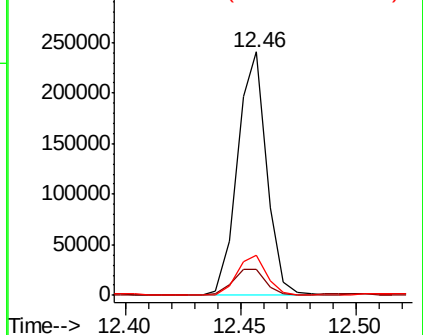
Tgt Ion:	202	Resp:	210013
Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	33.8
203	16.4	0.0	38.4



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

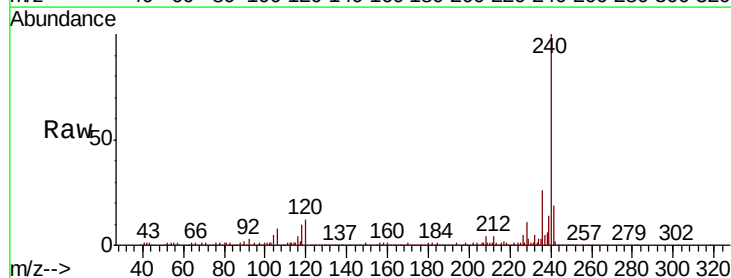
RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF112804.D

Acq: 1 Mar 2019 17:16

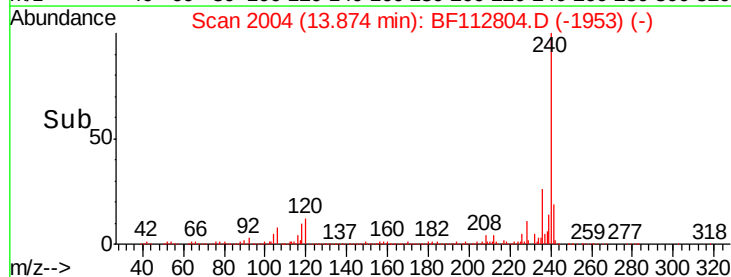
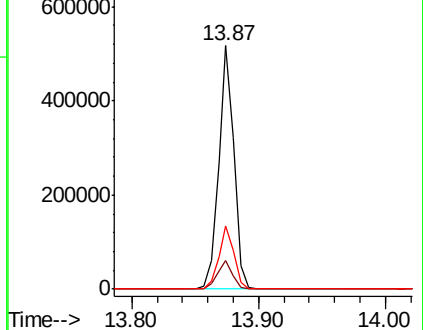
Tgt Ion:	240	Resp:	434795
Ion	Ratio	Lower	Upper
240	100		
120	11.7	8.9	13.3
236	26.0	20.7	31.1

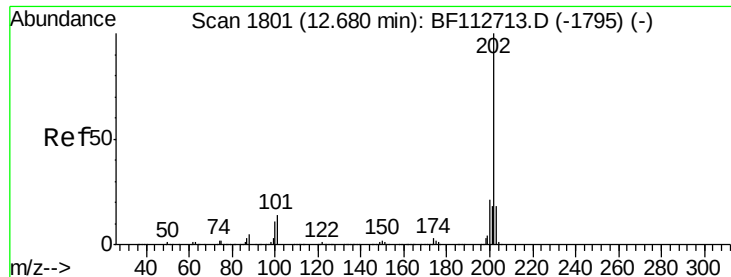


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

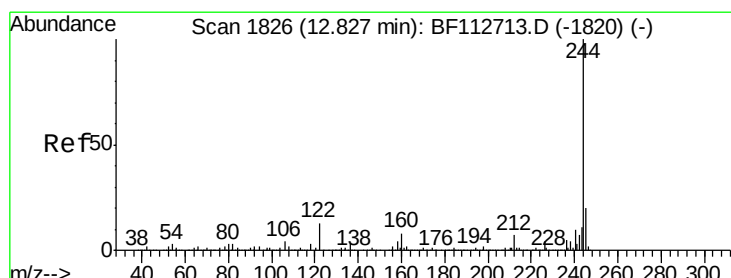
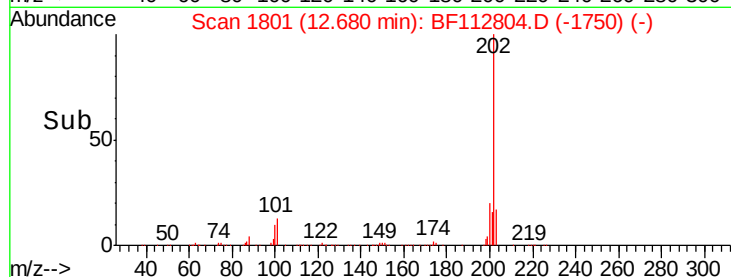
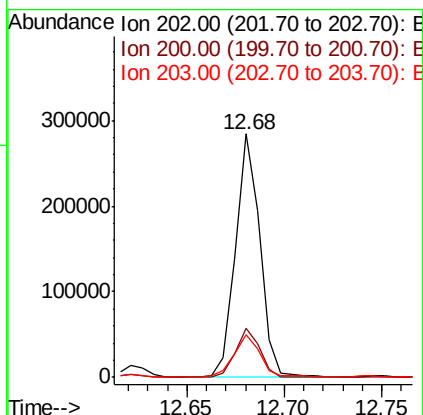
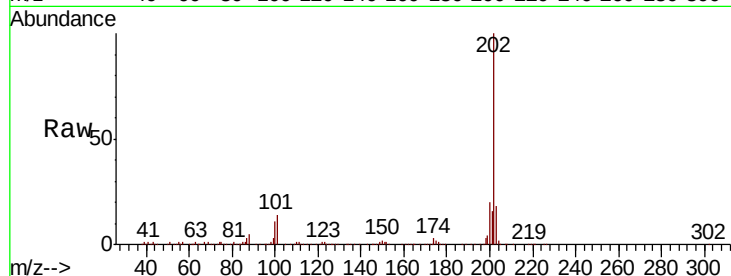




#78
Pyrene
Concen: 6.679 ng
RT: 12.68 min Scan# 1801
Delta R.T. 0.00 min
Lab File: BF112804.D
Acq: 1 Mar 2019 17:16

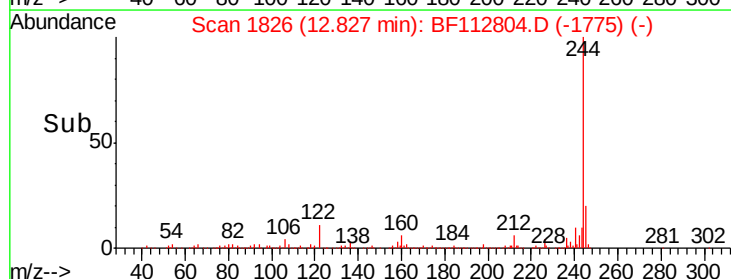
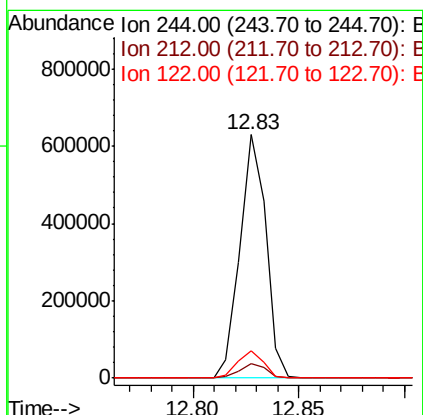
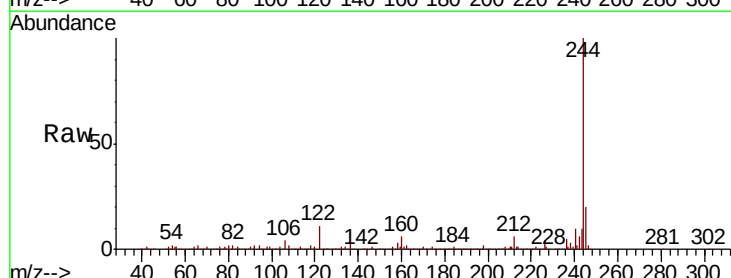
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-032-B

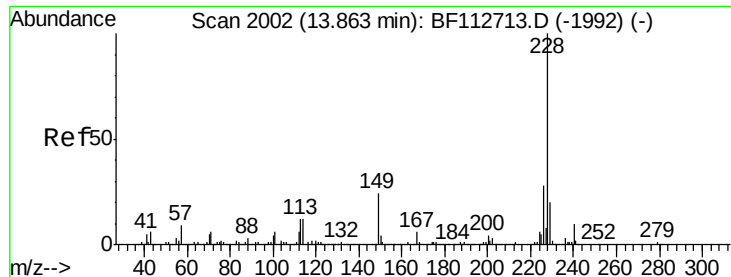
Tgt Ion: 202 Resp: 244822
Ion Ratio Lower Upper
202 100
200 19.9 17.0 25.4
203 17.8 14.4 21.6



#79
Terphenyl-d14
Concen: 23.932 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.00 min
Lab File: BF112804.D
Acq: 1 Mar 2019 17:16

Tgt Ion: 244 Resp: 536772
Ion Ratio Lower Upper
244 100
212 6.2 5.6 8.4
122 11.4 10.5 15.7





#81

Benzo(a)anthracene

Concen: 6.139 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.04 min

Lab File: BF112804.D

Acq: 1 Mar 2019 17:16

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-032-B

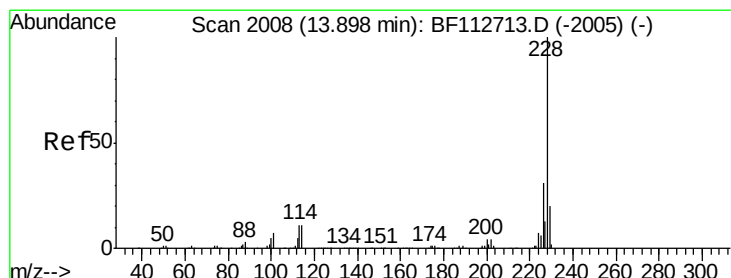
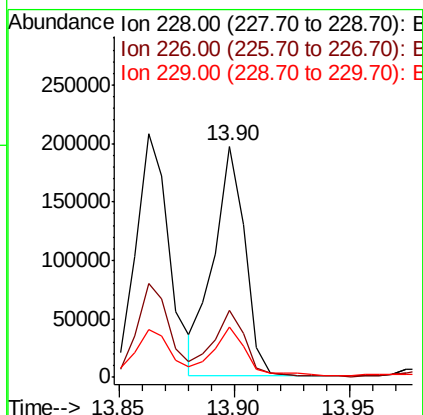
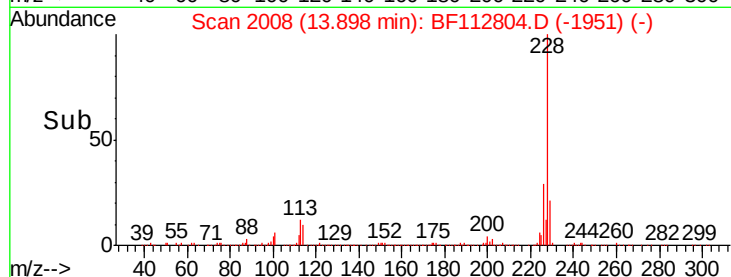
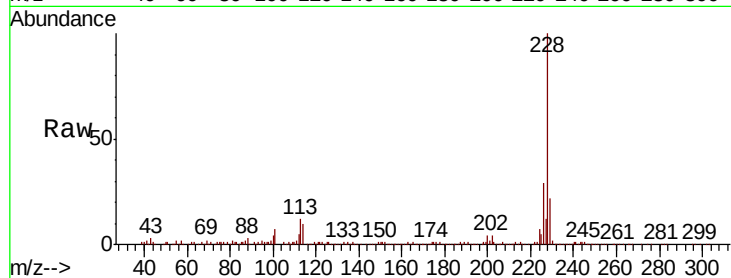
Tgt Ion:228 Resp: 184998

Ion Ratio Lower Upper

228 100

226 28.7 22.2 33.4

229 21.6 16.0 24.0



#83

Chrysene

Concen: 6.267 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BF112804.D

Acq: 1 Mar 2019 17:16

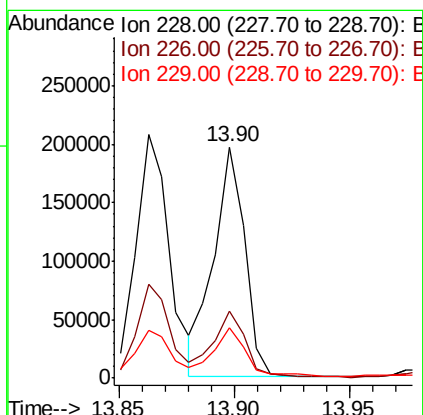
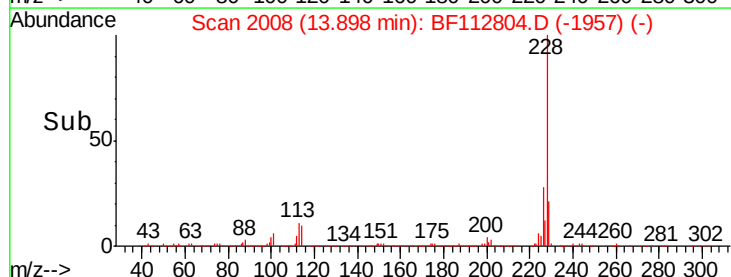
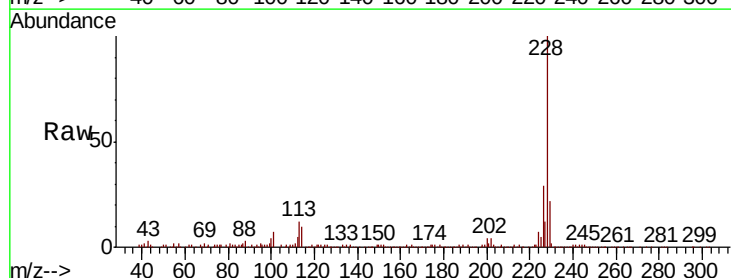
Tgt Ion:228 Resp: 184998

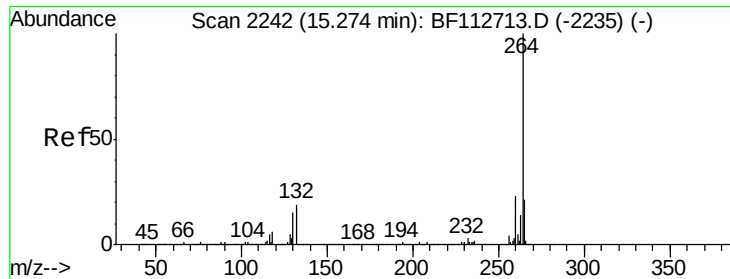
Ion Ratio Lower Upper

228 100

226 28.7 24.9 37.3

229 21.6 16.3 24.5



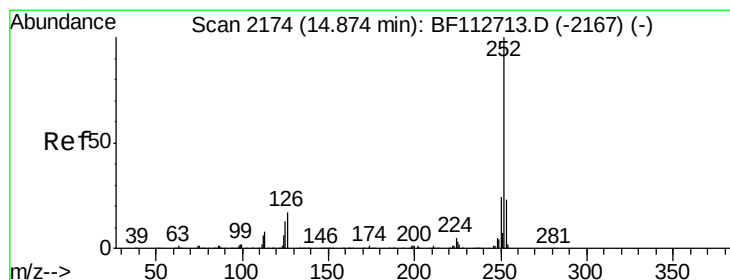
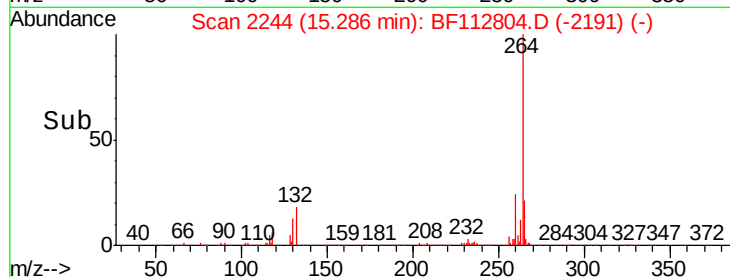
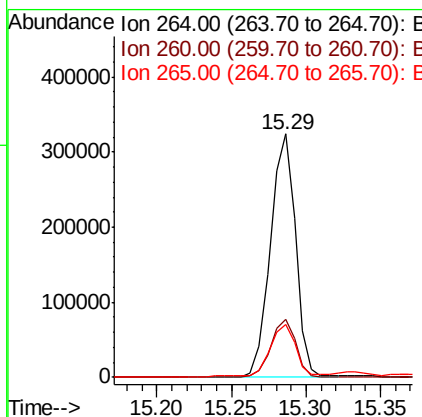
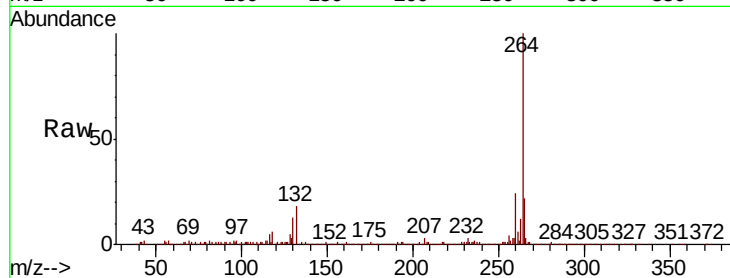


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF112804.D
Acq: 1 Mar 2019 17:16

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-032-B

Tgt Ion:264 Resp: 378676

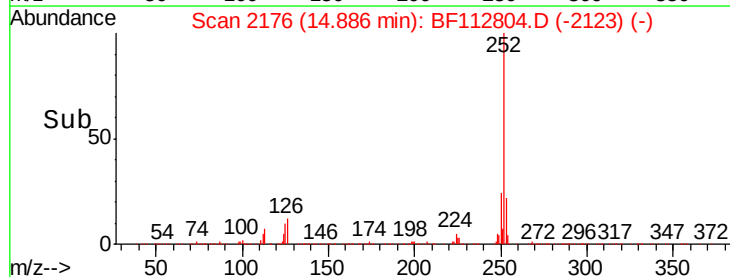
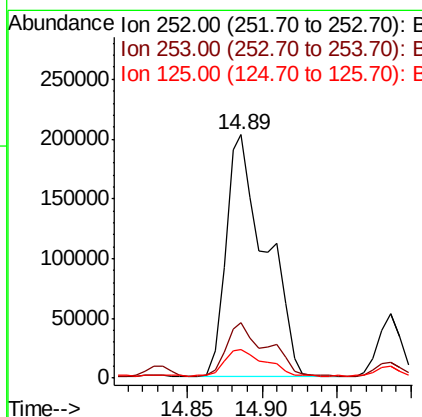
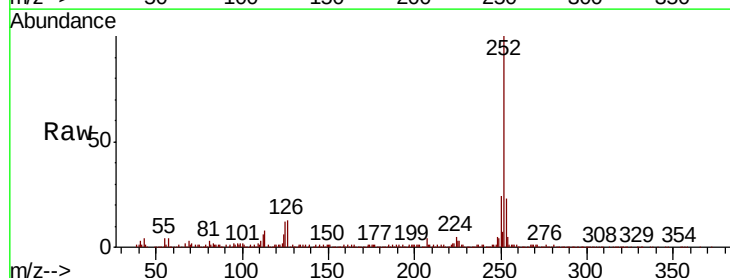
Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	21.5	17.2	25.8

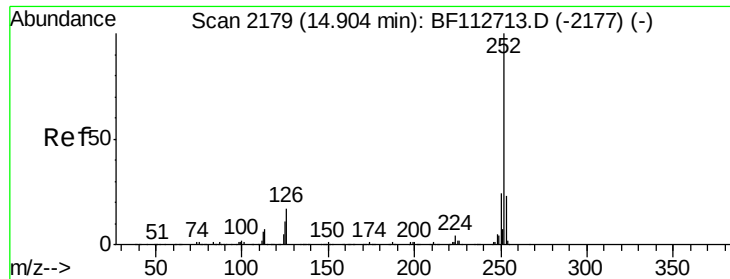


#88
Benzo(b)fluoranthene
Concen: 15.275 ng
RT: 14.89 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BF112804.D
Acq: 1 Mar 2019 17:16

Tgt Ion:252 Resp: 374135

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	11.6	10.2	15.2

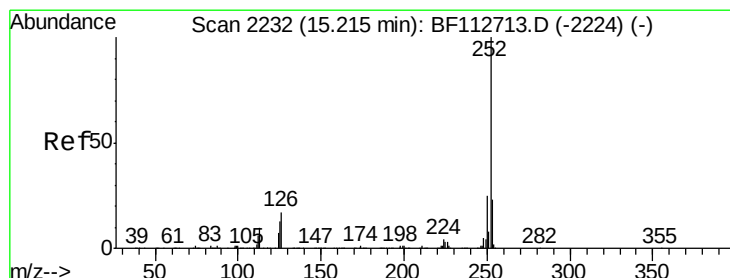
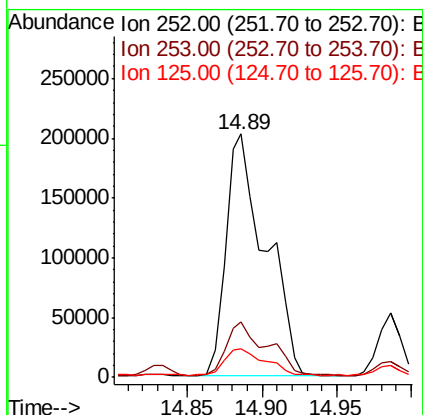
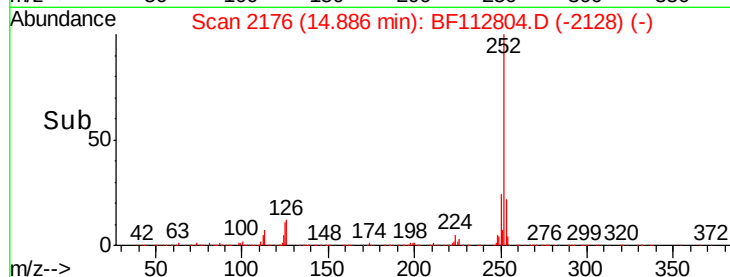
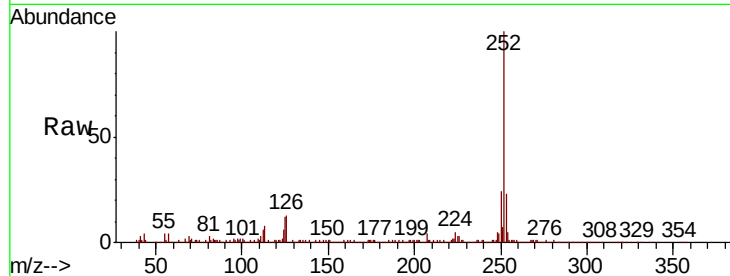




#89
Benzo(k)fluoranthene
Concen: 16.863 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.02 min
Lab File: BF112804.D
Acq: 1 Mar 2019 17:16

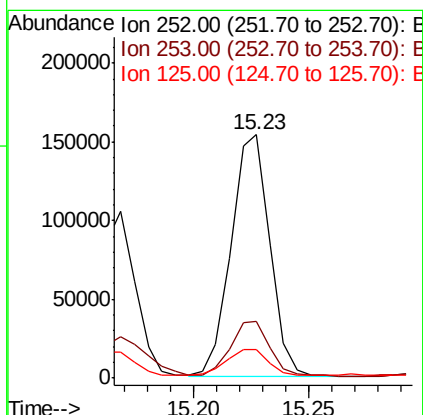
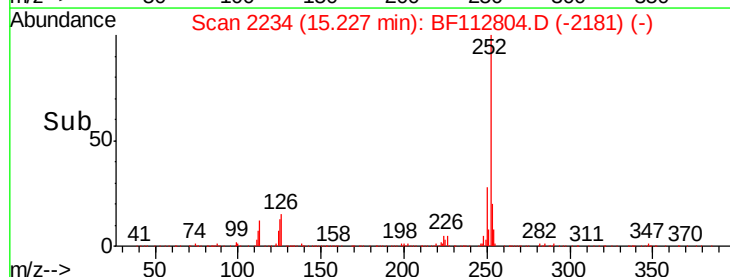
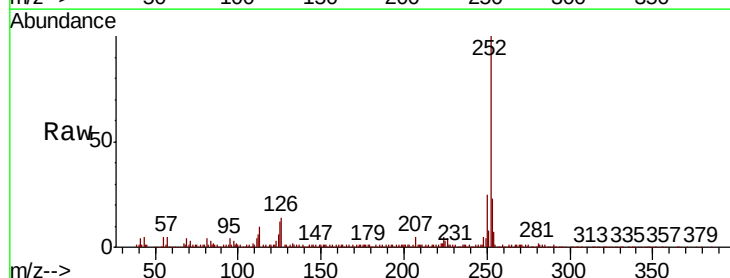
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-032-B

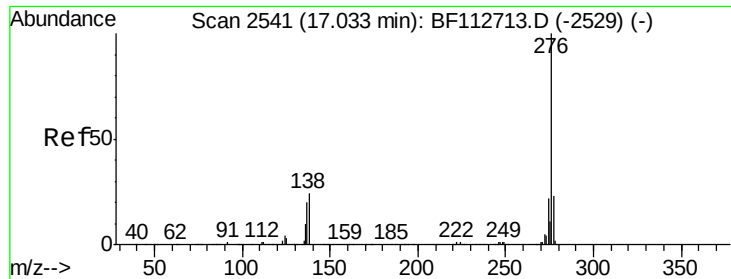
Tgt Ion:252 Resp: 374135
Ion Ratio Lower Upper
252 100
253 22.8 18.2 27.2
125 11.6 9.8 14.6



#90
Benzo(a)pyrene
Concen: 8.292 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.01 min
Lab File: BF112804.D
Acq: 1 Mar 2019 17:16

Tgt Ion:252 Resp: 179644
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 11.7 10.7 16.1





#92

Benzo(g,h,i)perylene

Concen: 4.458 ng

RT: 17.04 min Scan# 2543

Delta R.T. 0.01 min

Lab File: BF112804.D

Acq: 1 Mar 2019 17:16

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-032-B

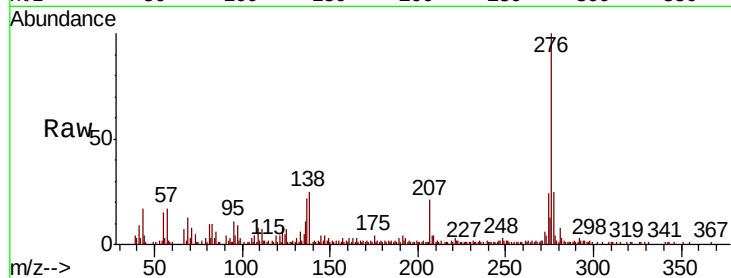
Tgt Ion: 276 Resp: 82758

Ion Ratio Lower Upper

276 100

277 24.7 18.6 27.8

138 25.2 19.4 29.0



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

