

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030419\
 Data File : BF112817.D
 Acq On : 4 Mar 2019 12:03
 Operator : JU/SJ
 Sample : K1669-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-031-B

Quant Time: Mar 05 00:34:49 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	186654	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	664776	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	310492	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	550936	20.00	ng	0.00
76) Chrysene-d12	13.87	240	454993	20.00	ng	0.00
87) Perylene-d12	15.29	264	485843	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	1084049	90.34	ng	0.01
7) Phenol-d6	6.38	99	1408439	93.44	ng	0.01
23) Nitrobenzene-d5	7.30	82	867601	78.09	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	350949	106.47	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1441470	74.44	ng	0.00
79) Terphenyl-d14	12.83	244	1243072	52.96	ng	0.00

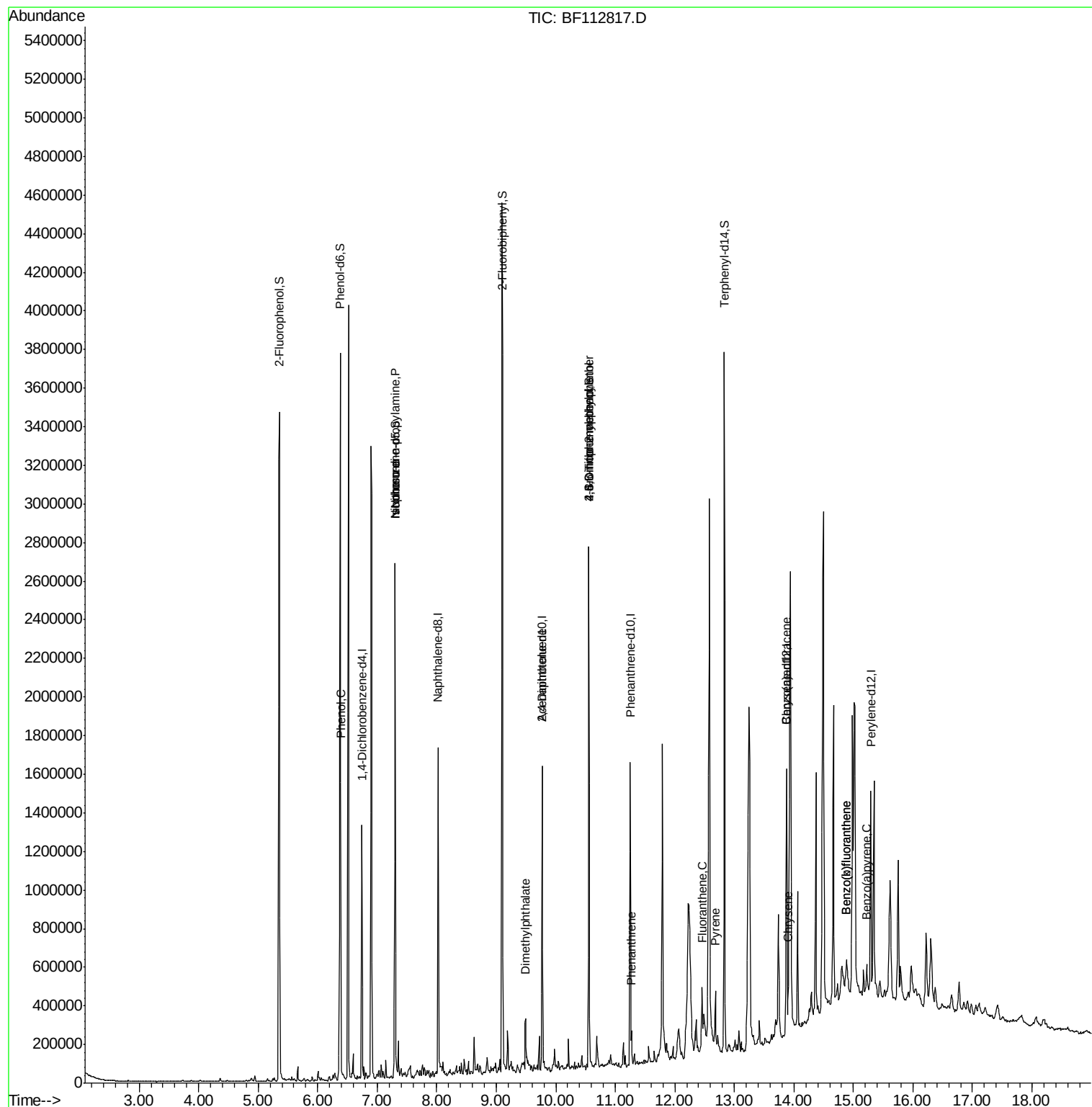
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.39	94	64257	3.653	ng	85
19) n-Nitroso-di-n-propylamine	7.30	70	115591	12.108	ng	# 77
25) Isophorone	7.30	82	859392	35.907	ng	# 66
50) Dimethylphthalate	9.49	163	103160	4.506	ng	98
57) 2,4-Dinitrotoluene	9.77	165	40865	6.896	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.56	198	605	4.854	ng	# 1
67) 4-Bromophenyl-phenylether	10.56	248	19569	3.372	ng	# 1
71) Phenanthrene	11.27	178	63284	2.309	ng	99
75) Fluoranthene	12.46	202	118421	4.032	ng	95
78) Pyrene	12.68	202	118930	3.101	ng	98
81) Benzo(a)anthracene	13.87	228	70953	2.250	ng	95
83) Chrysene	13.90	228	70306	2.276	ng	96
88) Benzo(b)fluoranthene	14.89	252	130822	4.163	ng	94
89) Benzo(k)fluoranthene	14.89	252	130822	4.596	ng	94
90) Benzo(a)pyrene	15.23	252	74699	2.687	ng	94

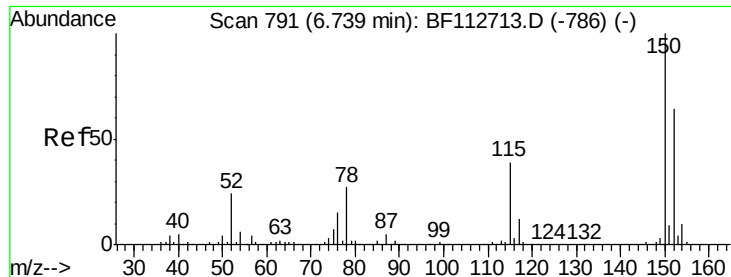
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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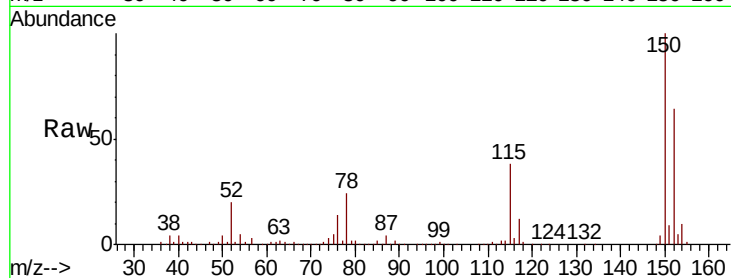


#1

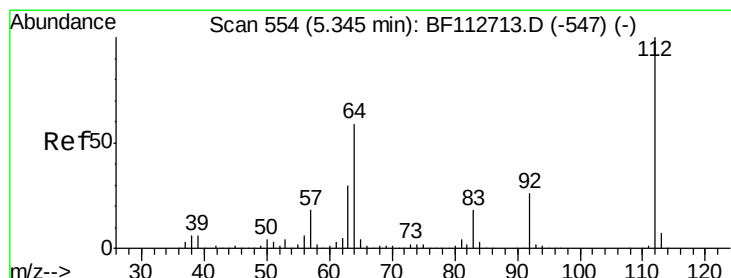
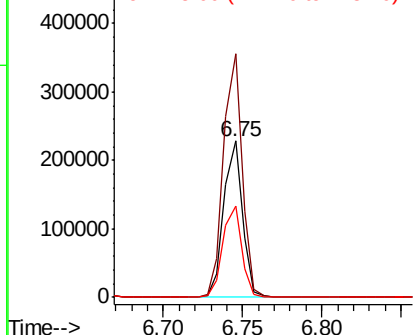
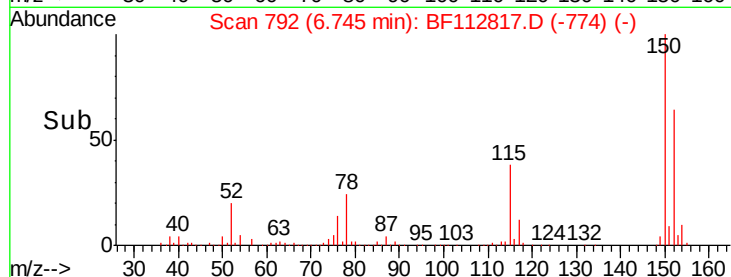
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112817.D
Acq: 4 Mar 2019 12:03

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-031-B

Tgt Ion:152 Resp: 186654
Ion Ratio Lower Upper
152 100
150 155.6 124.2 186.2
115 58.4 48.2 72.4



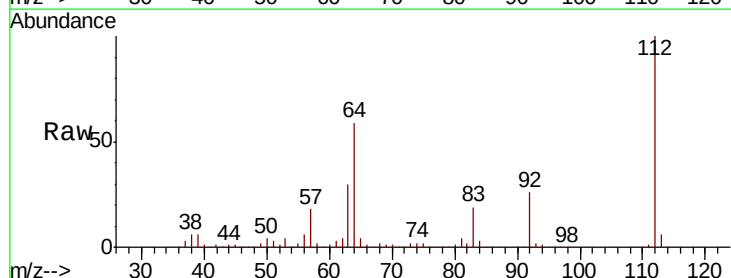
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



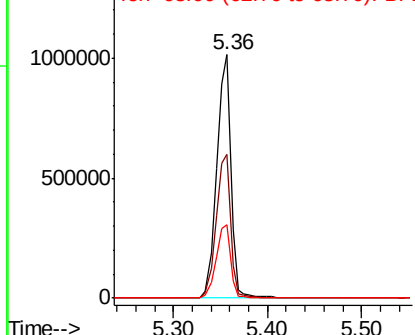
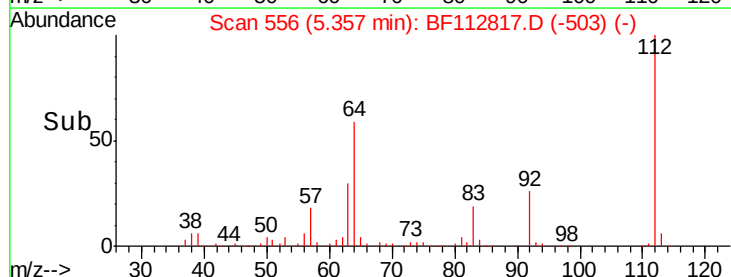
#5

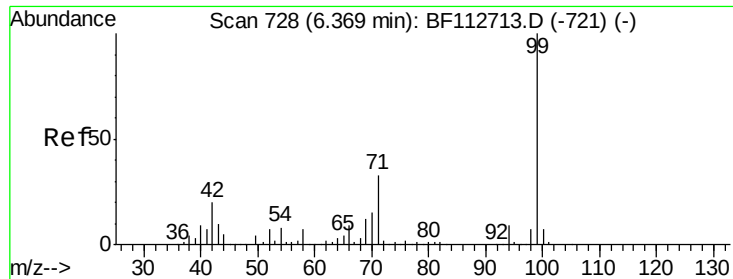
2-Fluorophenol
Concen: 90.343 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF112817.D
Acq: 4 Mar 2019 12:03

Tgt Ion:112 Resp: 1084049
Ion Ratio Lower Upper
112 100
64 58.8 47.6 71.4
63 29.9 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: 93.441 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF112817.D

Acq: 4 Mar 2019 12:03

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-031-B

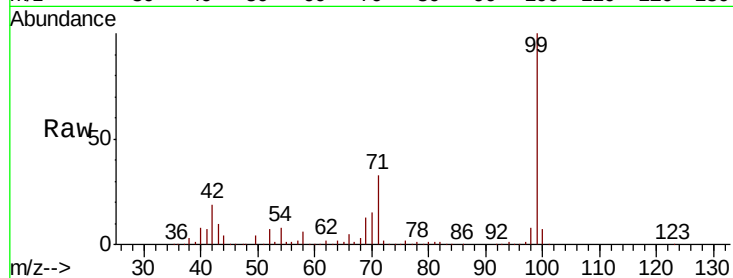
Tgt Ion: 99 Resp: 1408439

Ion Ratio Lower Upper

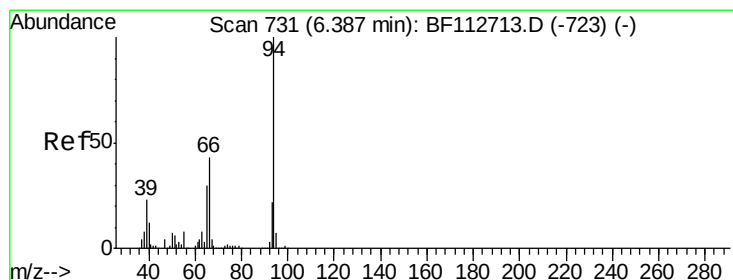
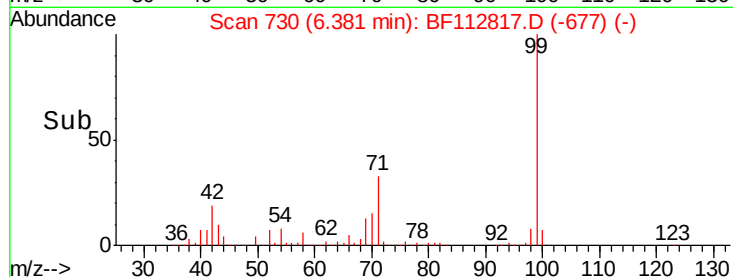
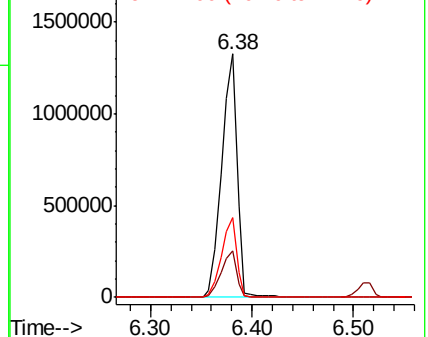
99 100

42 19.3 16.3 24.5

71 32.8 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: 3.653 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF112817.D

Acq: 4 Mar 2019 12:03

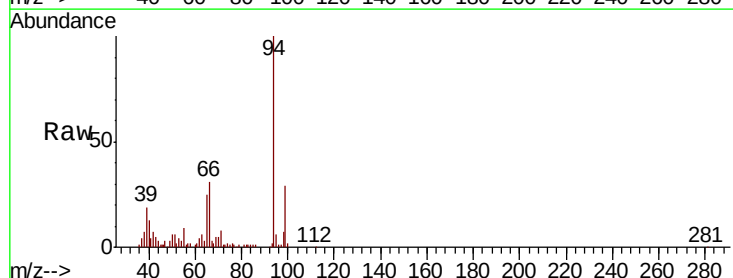
Tgt Ion: 94 Resp: 64257

Ion Ratio Lower Upper

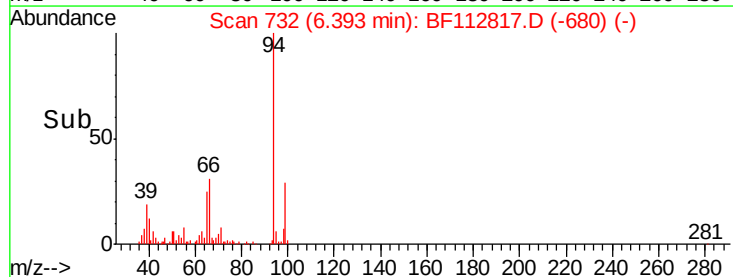
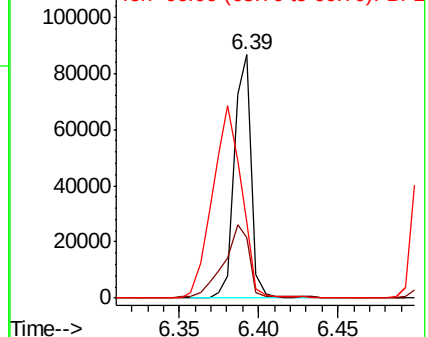
94 100

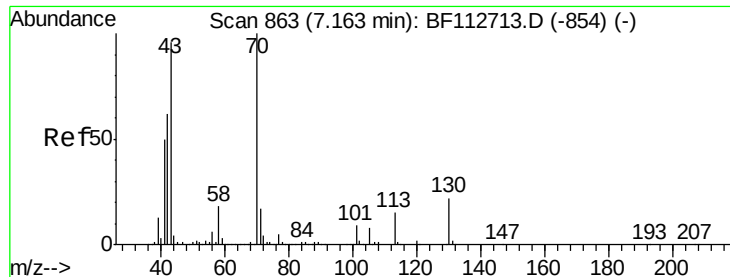
65 24.9 10.5 50.5

66 31.4 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

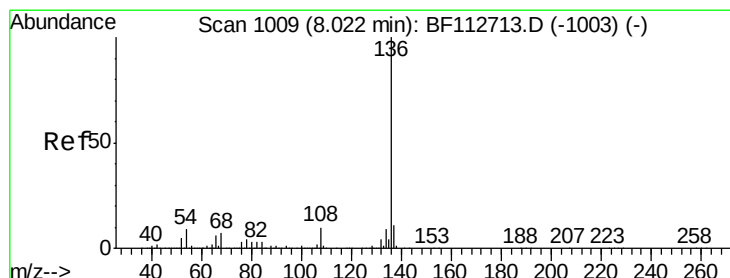
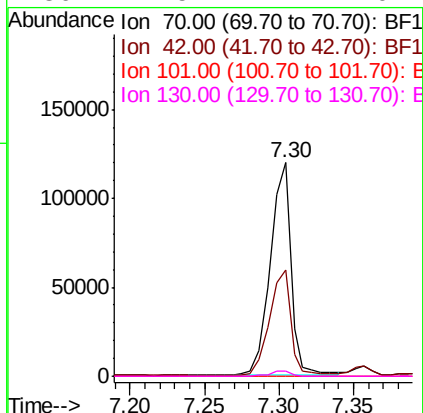
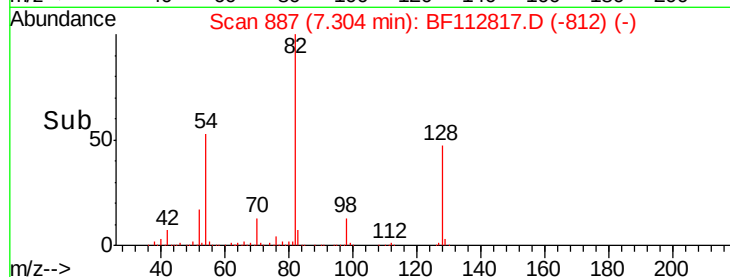
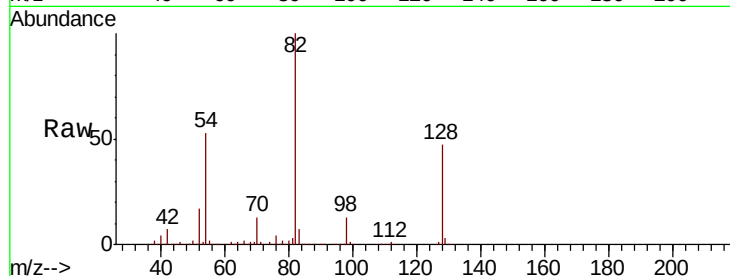




#19
n-Nitroso-di-n-propylamine
Concen: 12.108 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.14 min
Lab File: BF112817.D
Acq: 4 Mar 2019 12:03

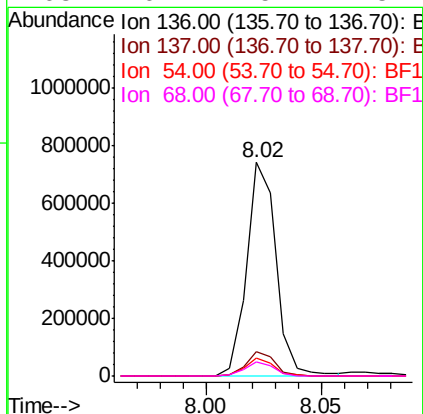
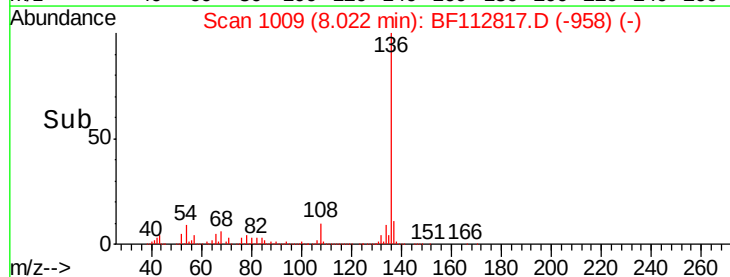
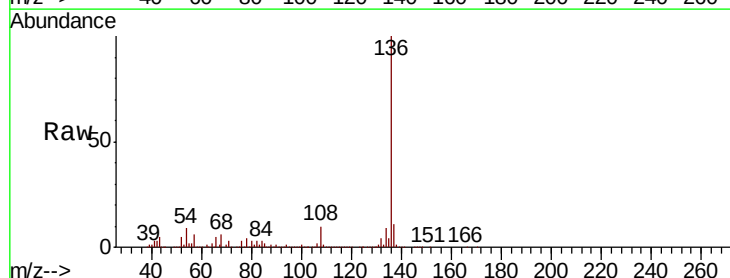
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FK-GF-02-031-B

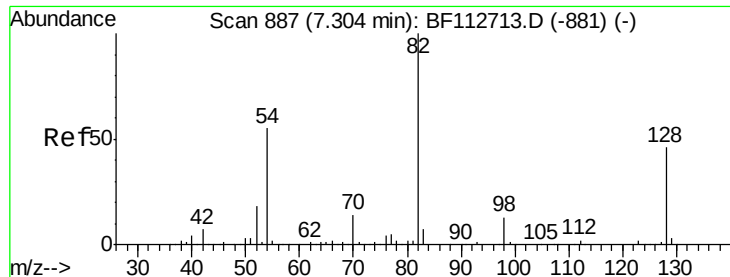
Tgt Ion: 70 Resp: 115591
Ion Ratio Lower Upper
70 100
42 49.5 49.9 74.9#
101 0.0 7.4 11.2#
130 2.5 17.4 26.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF112817.D
Acq: 4 Mar 2019 12:03

Tgt Ion: 136 Resp: 664776
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 8.7 7.3 10.9
68 6.4 5.4 8.2

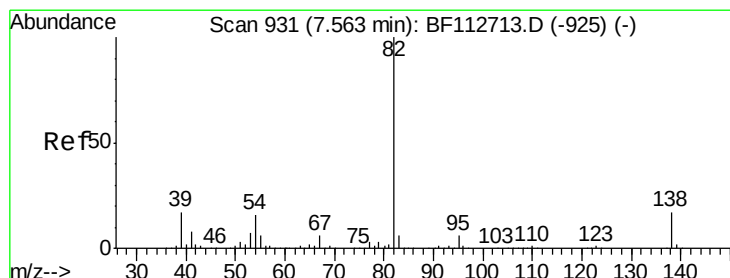
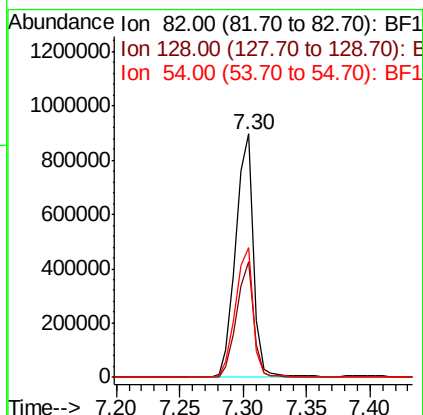
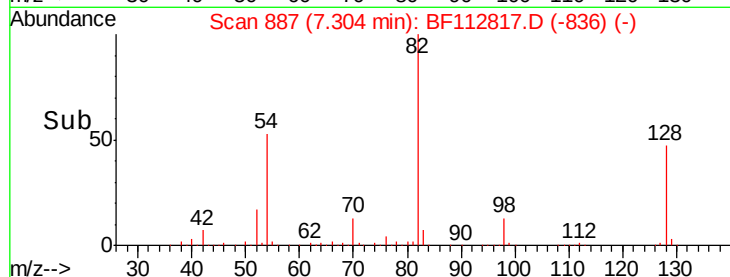
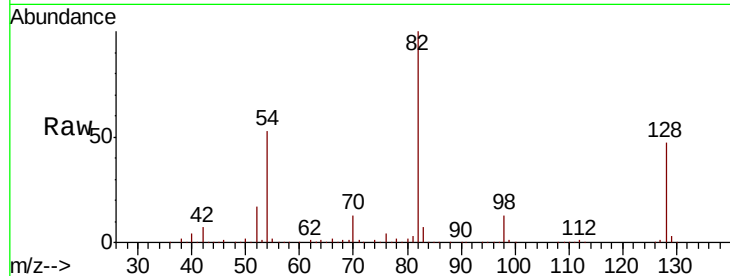




#23
Nitrobenzene-d5
Concen: 78.095 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.00 min
Lab File: BF112817.D
Acq: 4 Mar 2019 12:03

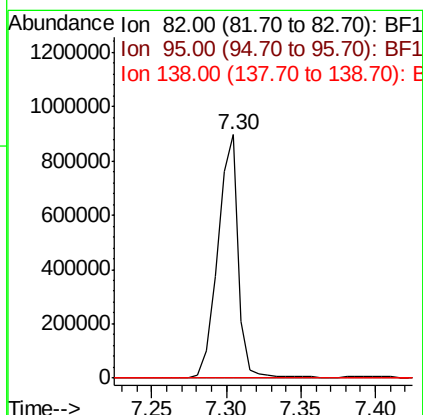
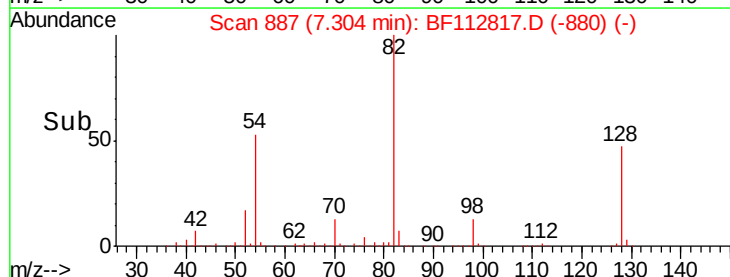
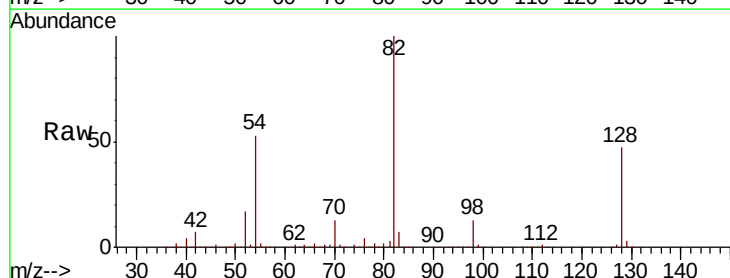
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-031-B

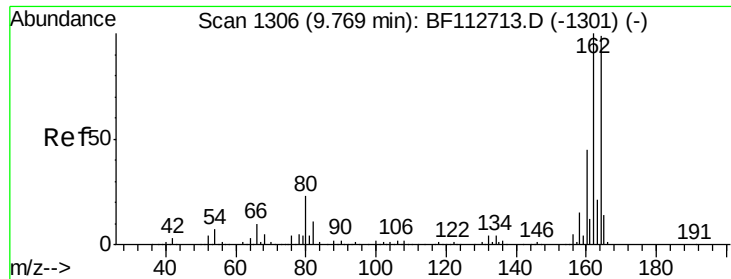
Tgt Ion: 82 Resp: 867601
Ion Ratio Lower Upper
82 100
128 47.4 36.3 54.5
54 53.2 43.7 65.5



#25
Isophorone
Concen: 35.907 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.26 min
Lab File: BF112817.D
Acq: 4 Mar 2019 12:03

Tgt Ion: 82 Resp: 859392
Ion Ratio Lower Upper
82 100
95 0.1 5.2 7.8#
138 0.0 13.8 20.8#

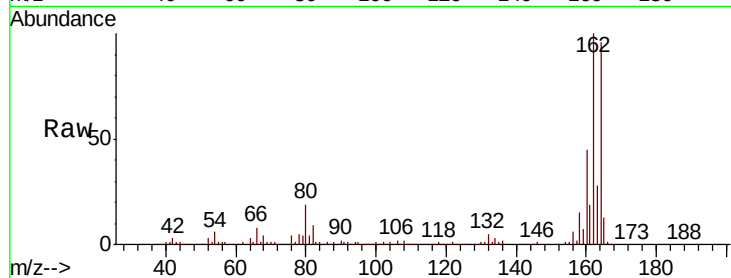




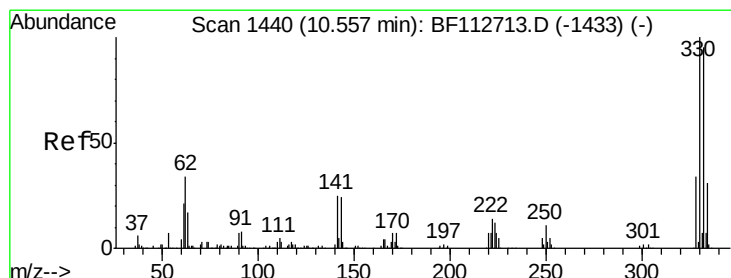
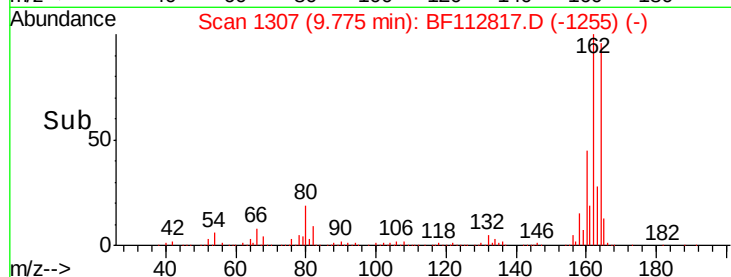
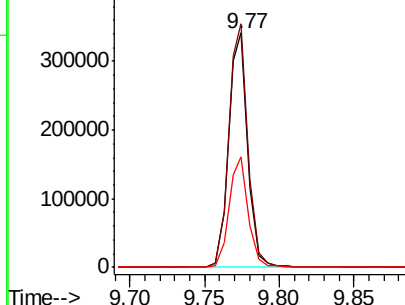
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. 0.01 min
 Lab File: BF112817.D
 Acq: 4 Mar 2019 12:03

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-031-B

Tgt Ion:164 Resp: 310492
 Ion Ratio Lower Upper
 164 100
 162 103.9 80.6 120.8
 160 47.1 36.0 54.0

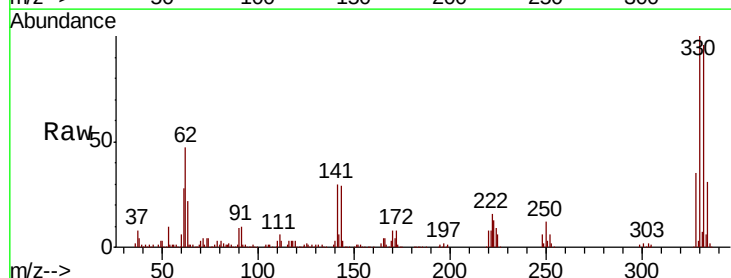


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

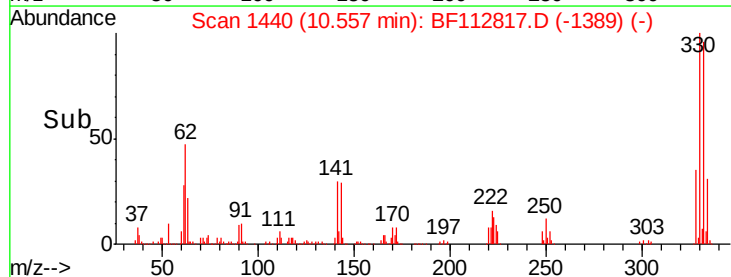
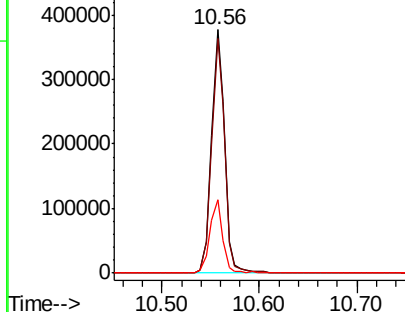


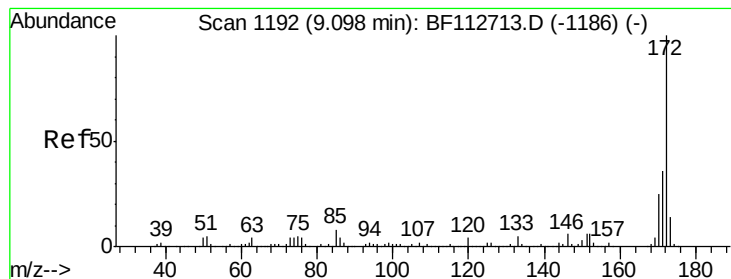
#42
 2,4,6-Tribromophenol
 Concen: 106.469 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF112817.D
 Acq: 4 Mar 2019 12:03

Tgt Ion:330 Resp: 350949
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.2 114.4
 141 29.2 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: 74.437 ng

RT: 9.10 min Scan# 1192

Delta R.T. 0.00 min

Lab File: BF112817.D

Acq: 4 Mar 2019 12:03

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-031-B

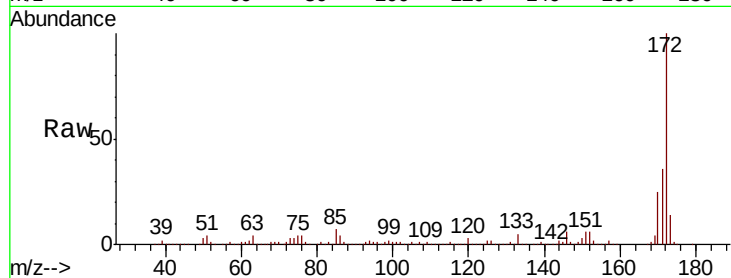
Tgt Ion:172 Resp: 1441470

Ion Ratio Lower Upper

172 100

171 36.0 29.0 43.4

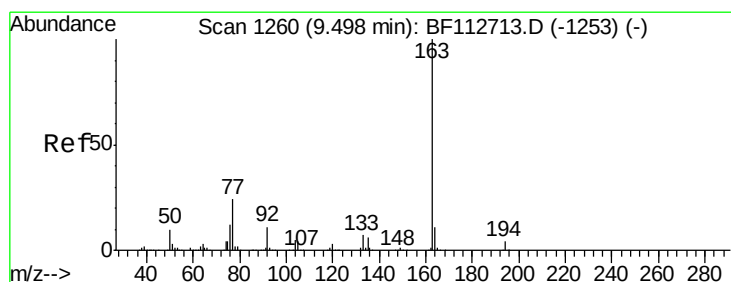
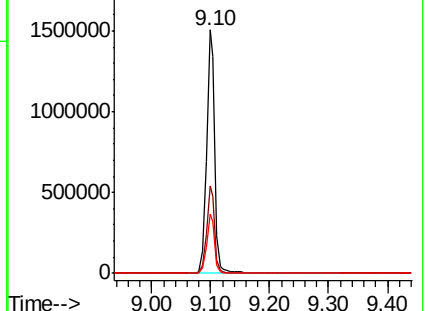
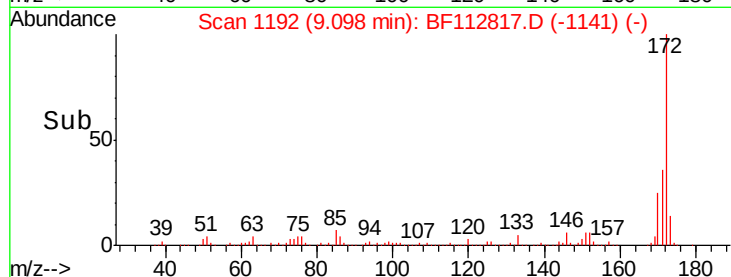
170 24.5 20.0 30.0



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



#50

Dimethylphthalate

Concen: 4.506 ng

RT: 9.49 min Scan# 1259

Delta R.T. -0.01 min

Lab File: BF112817.D

Acq: 4 Mar 2019 12:03

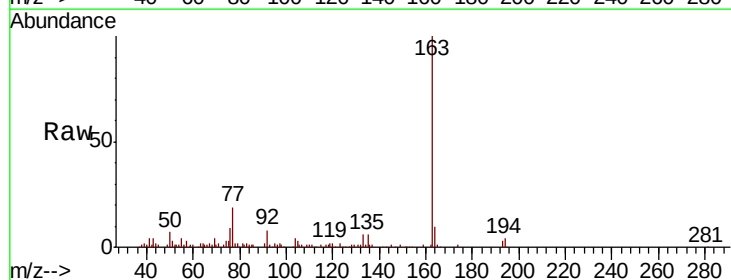
Tgt Ion:163 Resp: 103160

Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.4

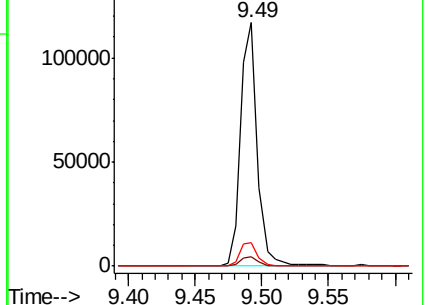
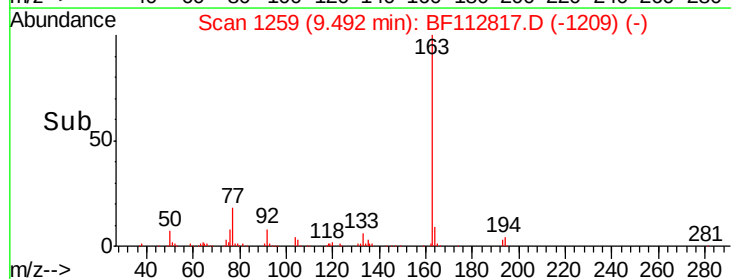
164 9.6 8.4 12.6

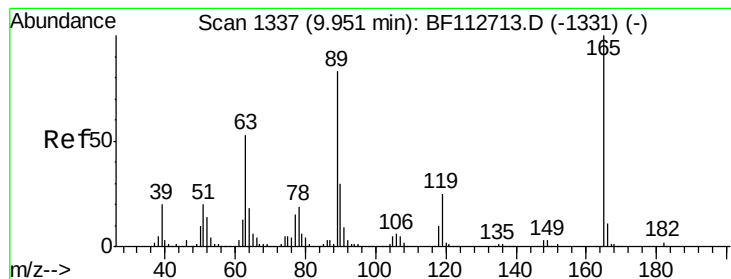


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#57

2,4-Dinitrotoluene

Concen: 6.896 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.18 min

Lab File: BF112817.D

Acq: 4 Mar 2019 12:03

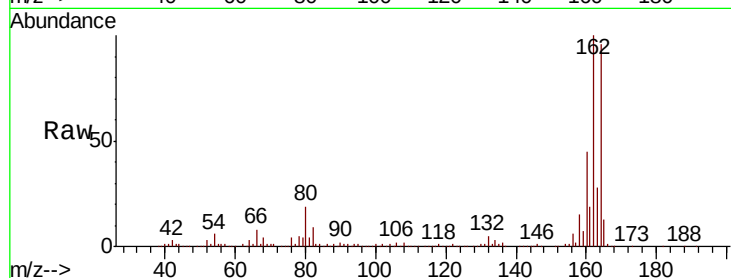
Instrument :

BNA_F

ClientSampleId :

FK-GF-02-031-B

Tgt Ion:	165	Resp:	40865
Ion	Ratio	Lower	Upper
165	100		
63	1.4	42.2	63.2#
89	2.5	66.2	99.4#
182	0.7	1.8	2.6#

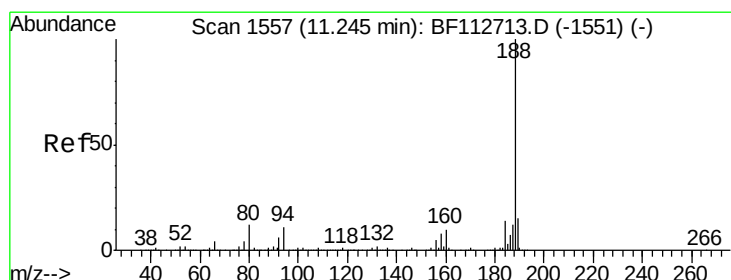
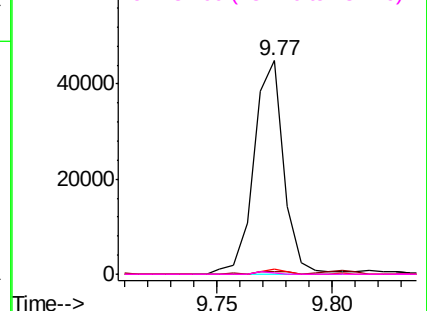
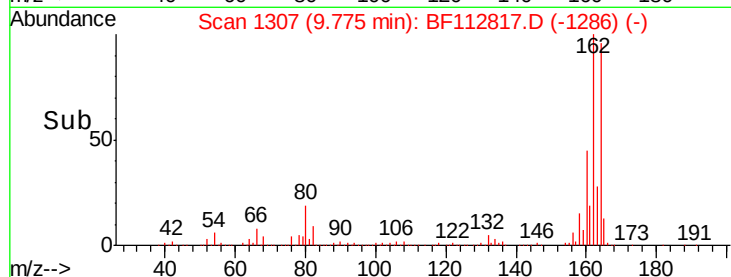


Abundance Ion 165.00 (164.70 to 165.70): E

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

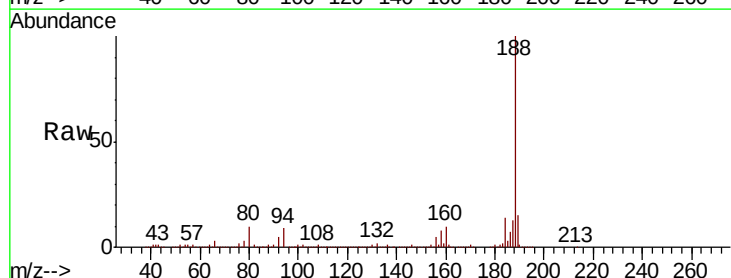
RT: 11.25 min Scan# 1558

Delta R.T. 0.01 min

Lab File: BF112817.D

Acq: 4 Mar 2019 12:03

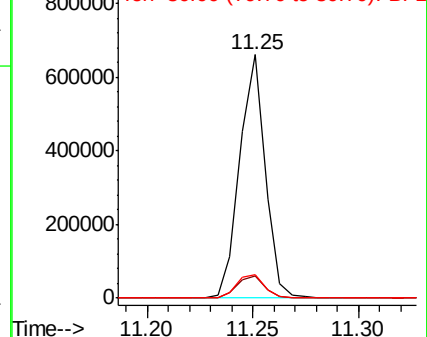
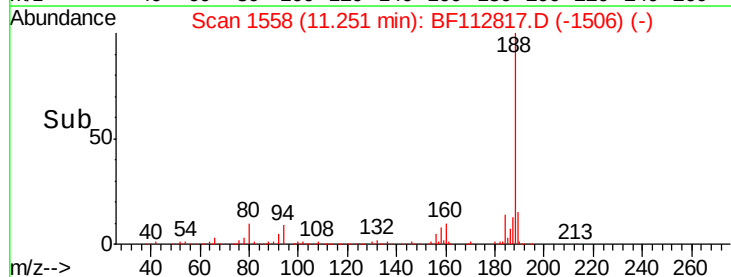
Tgt Ion:	188	Resp:	550936
Ion	Ratio	Lower	Upper
188	100		
94	9.3	9.0	13.4
80	9.9	9.2	13.8

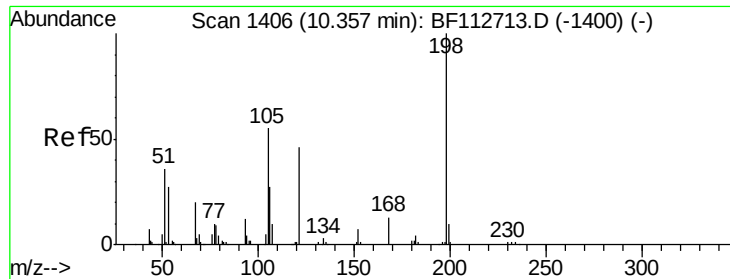


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

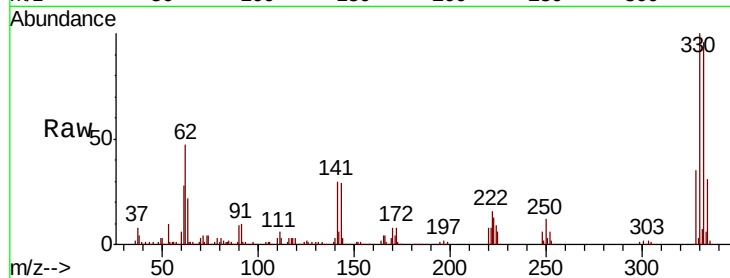




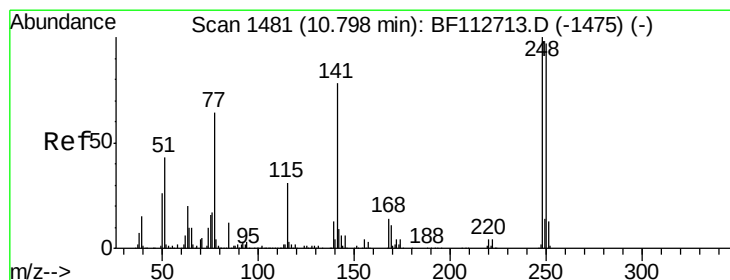
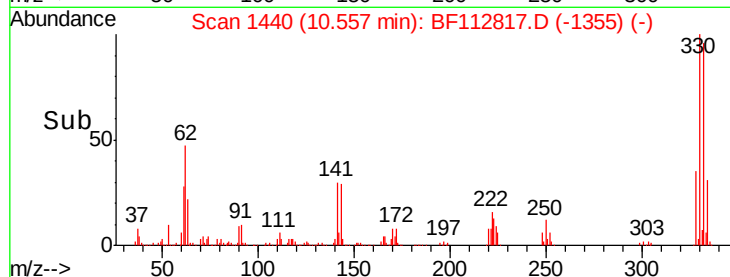
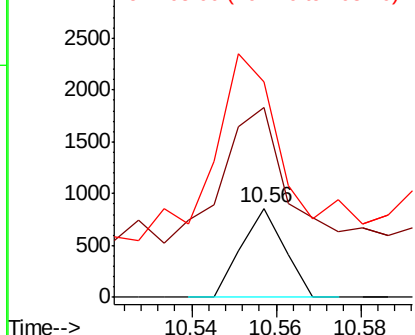
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.854 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.20 min
 Lab File: BF112817.D
 Acq: 4 Mar 2019 12:03

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-031-B

Tgt Ion:198 Resp: 605
 Ion Ratio Lower Upper
 198 100
 51 214.4 43.8 83.8#
 105 242.2 36.5 76.5#

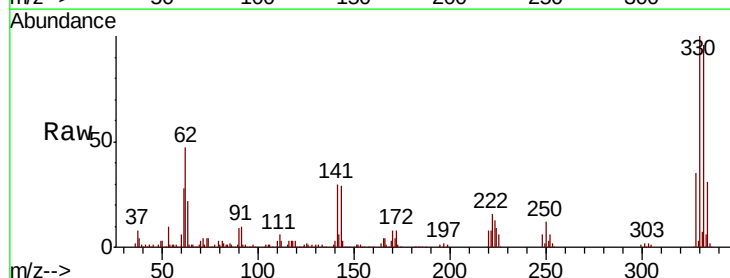


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

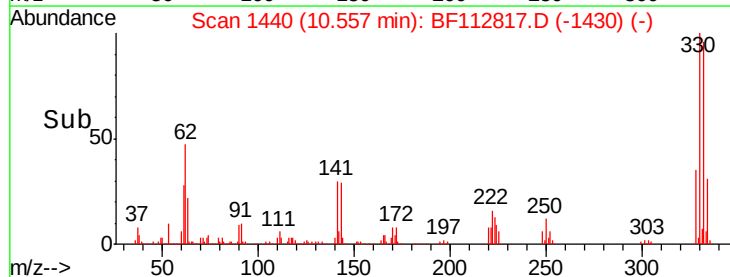
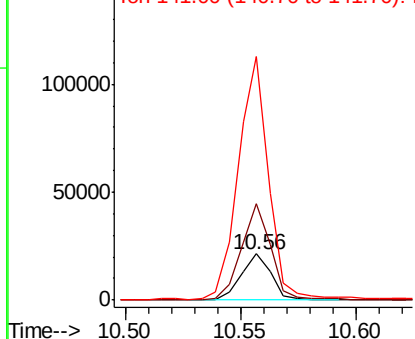


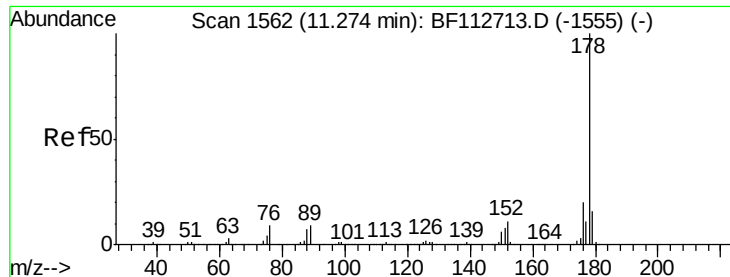
#67
 4-Bromophenyl-phenylether
 Concen: 3.372 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF112817.D
 Acq: 4 Mar 2019 12:03

Tgt Ion:248 Resp: 19569
 Ion Ratio Lower Upper
 248 100
 250 209.7 77.5 116.3#
 141 528.6 62.4 93.6#



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

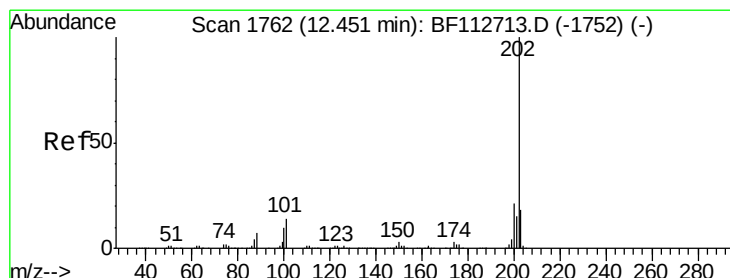
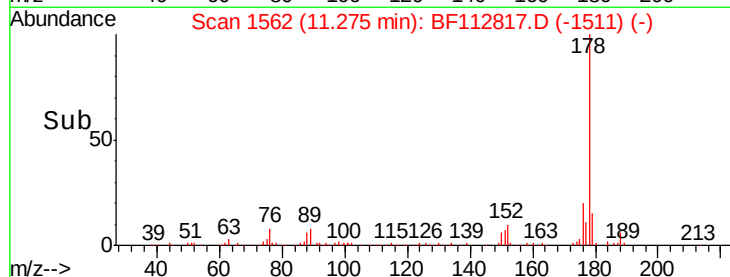
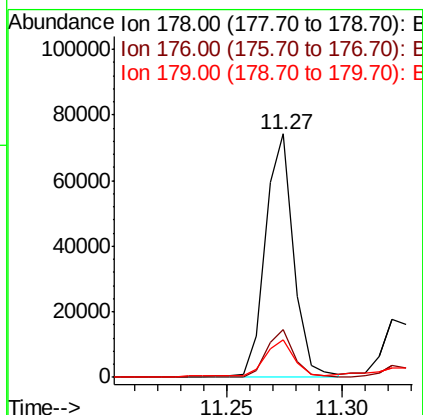
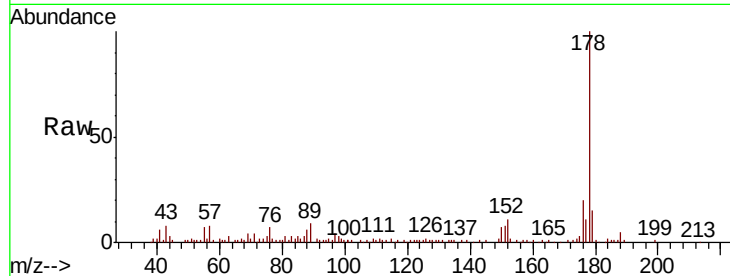




#71
Phenanthrene
Concen: 2.309 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF112817.D
Acq: 4 Mar 2019 12:03

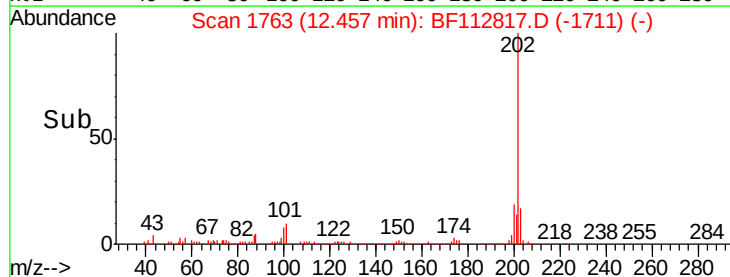
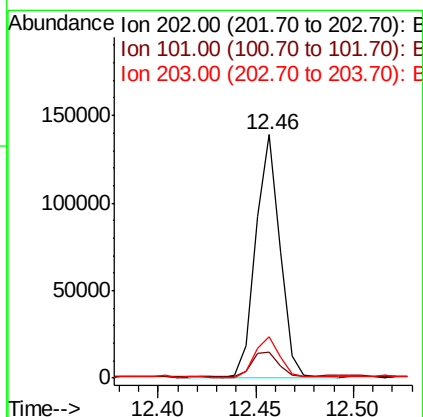
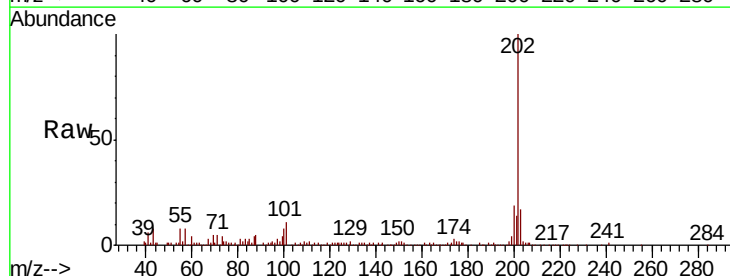
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-031-B

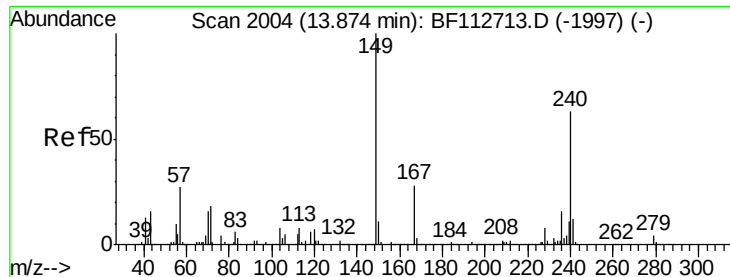
Tgt Ion:178 Resp: 63284
Ion Ratio Lower Upper
178 100
176 19.8 16.3 24.5
179 15.3 12.7 19.1



#75
Fluoranthene
Concen: 4.032 ng
RT: 12.46 min Scan# 1763
Delta R.T. 0.01 min
Lab File: BF112817.D
Acq: 4 Mar 2019 12:03

Tgt Ion:202 Resp: 118421
Ion Ratio Lower Upper
202 100
101 10.7 0.0 33.8
203 17.1 0.0 38.4

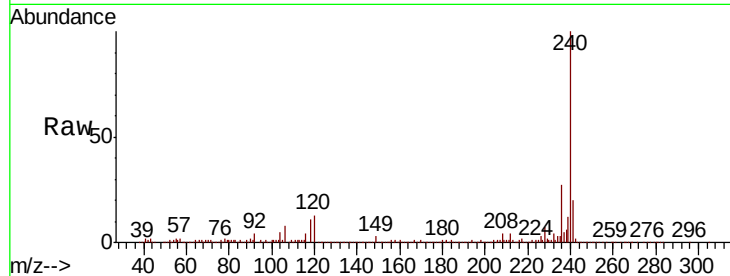




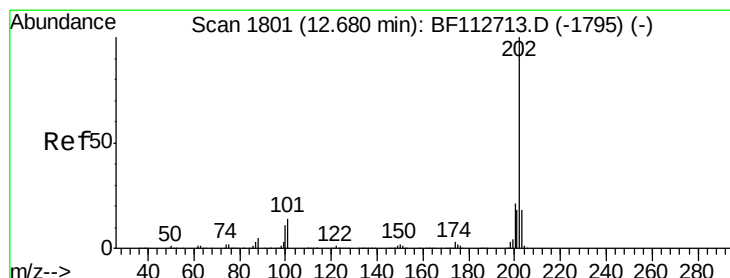
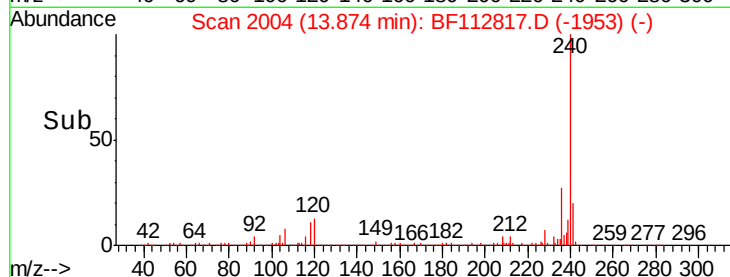
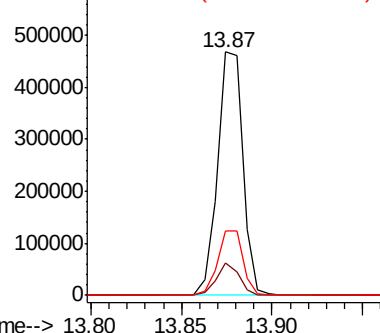
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BF112817.D
Acq: 4 Mar 2019 12:03

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-031-B

Tgt Ion:240 Resp: 454993
Ion Ratio Lower Upper
240 100
120 13.4 8.9 13.3#
236 26.7 20.7 31.1

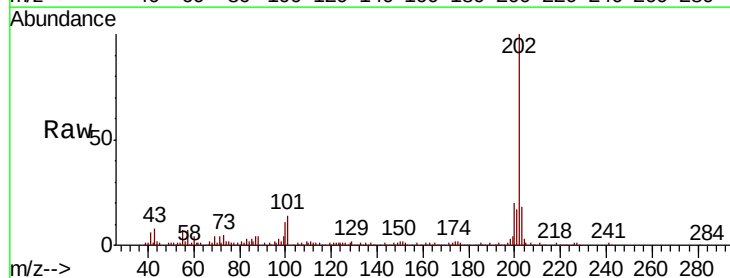


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

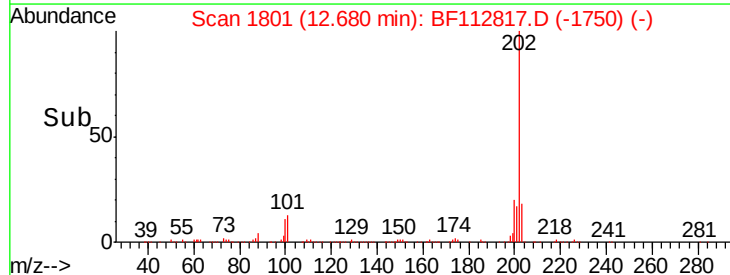
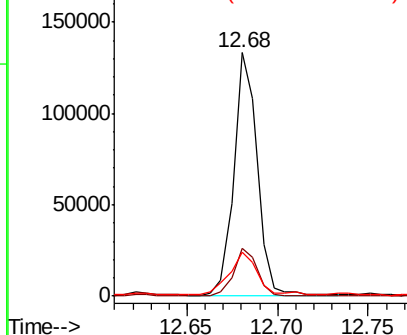


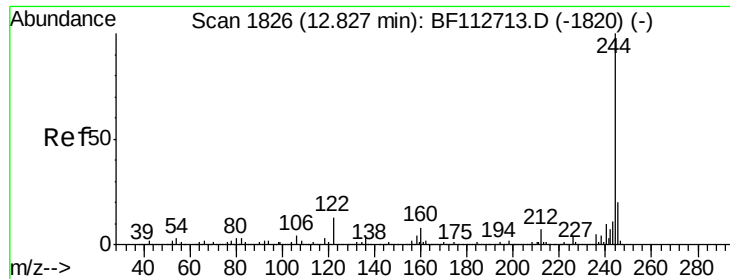
#78
Pyrene
Concen: 3.101 ng
RT: 12.68 min Scan# 1801
Delta R.T. 0.00 min
Lab File: BF112817.D
Acq: 4 Mar 2019 12:03

Tgt Ion:202 Resp: 118930
Ion Ratio Lower Upper
202 100
200 19.9 17.0 25.4
203 18.0 14.4 21.6



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: 52.961 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF112817.D

Acq: 4 Mar 2019 12:03

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-031-B

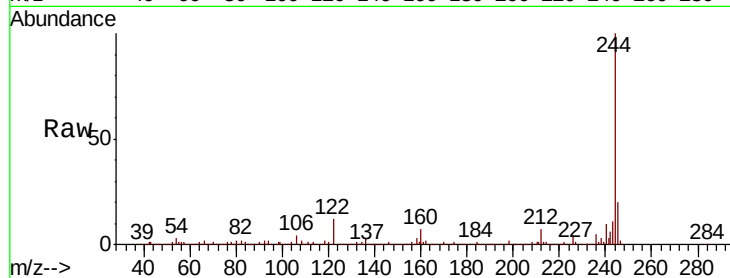
Tgt Ion:244 Resp: 1243072

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

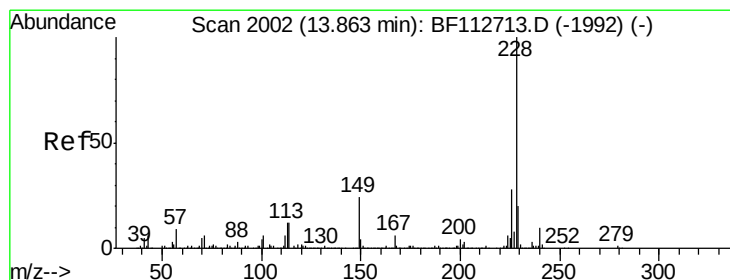
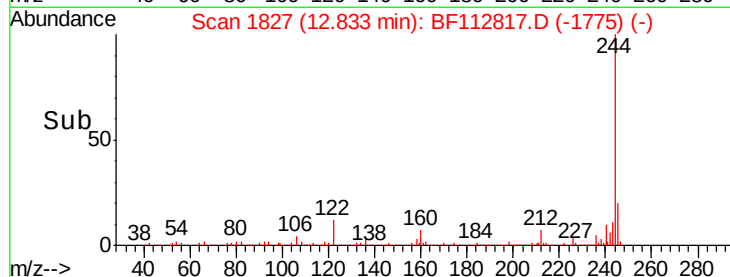
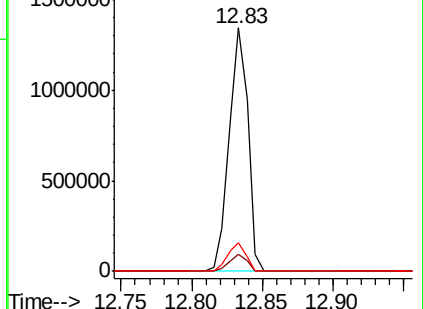
122 12.0 10.5 15.7



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: 2.250 ng

RT: 13.87 min Scan# 2003

Delta R.T. 0.01 min

Lab File: BF112817.D

Acq: 4 Mar 2019 12:03

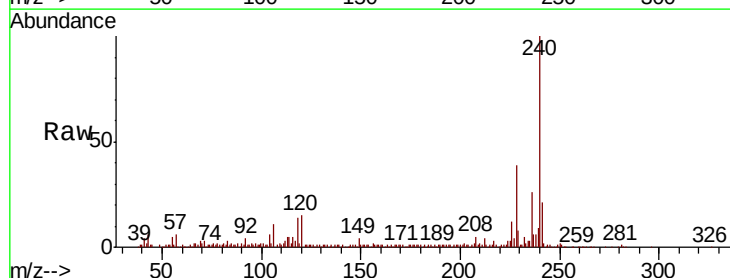
Tgt Ion:228 Resp: 70953

Ion Ratio Lower Upper

228 100

226 31.4 22.2 33.4

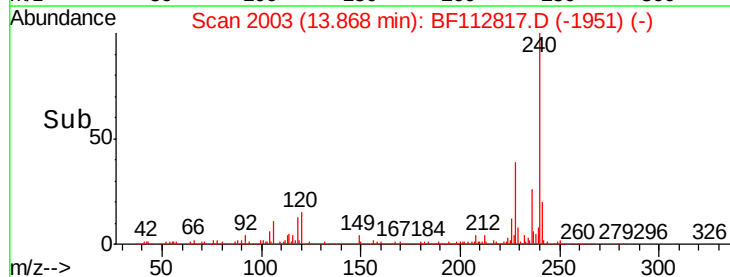
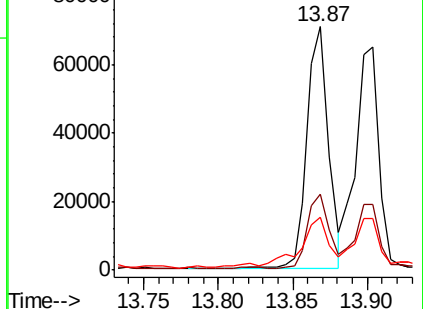
229 21.5 16.0 24.0

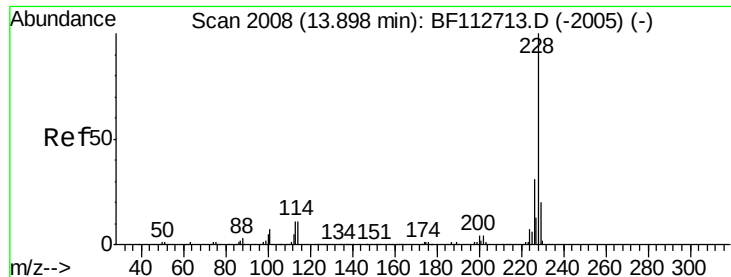


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

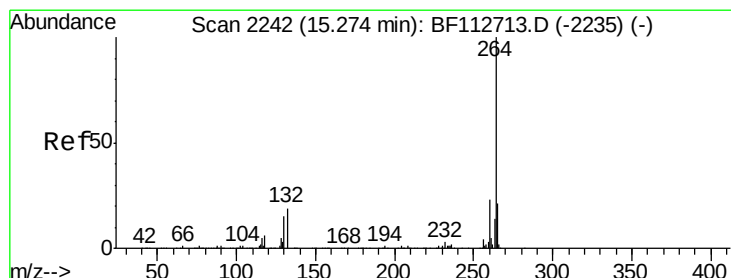
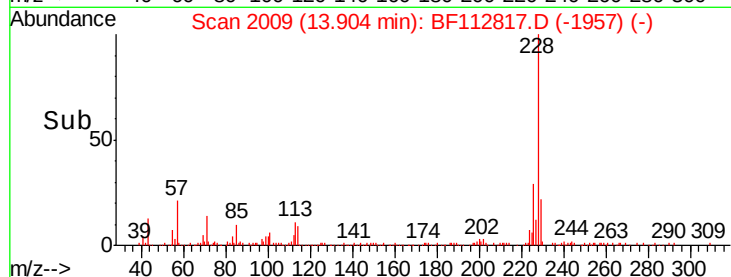
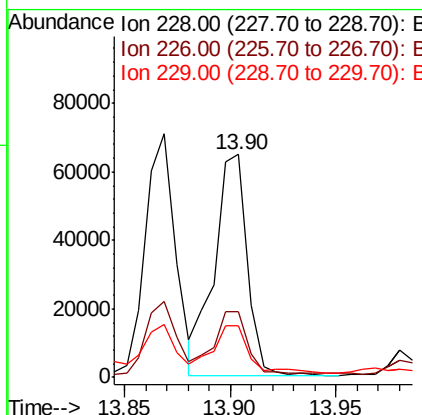
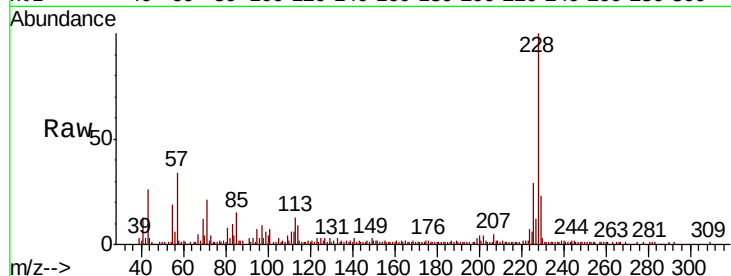




#83
Chrysene
Concen: 2.276 ng
RT: 13.90 min Scan# 2009
Delta R.T. 0.01 min
Lab File: BF112817.D
Acq: 4 Mar 2019 12:03

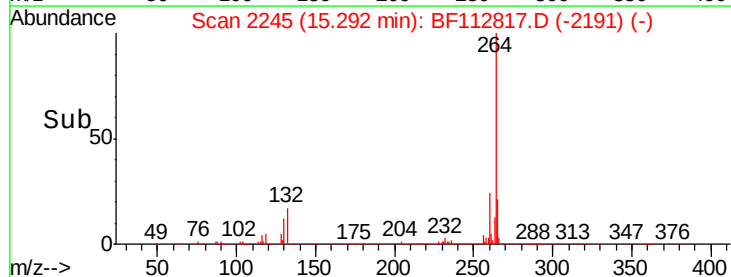
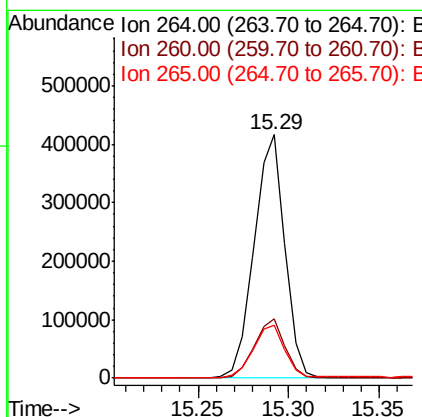
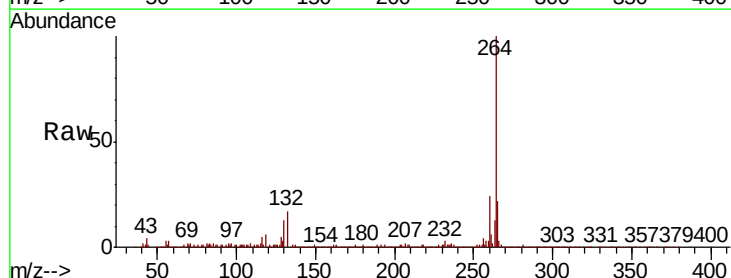
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-031-B

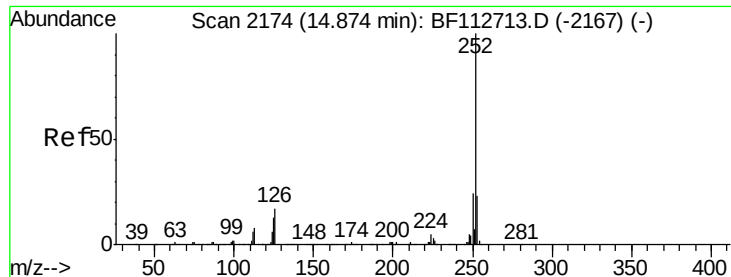
Tgt Ion:228 Resp: 70306
Ion Ratio Lower Upper
228 100
226 29.2 24.9 37.3
229 23.1 16.3 24.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.02 min
Lab File: BF112817.D
Acq: 4 Mar 2019 12:03

Tgt Ion:264 Resp: 485843
Ion Ratio Lower Upper
264 100
260 24.4 18.7 28.1
265 21.7 17.2 25.8

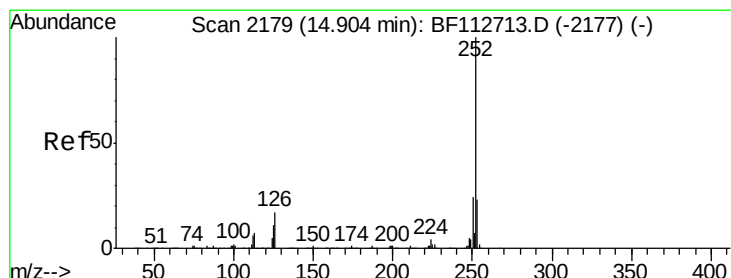
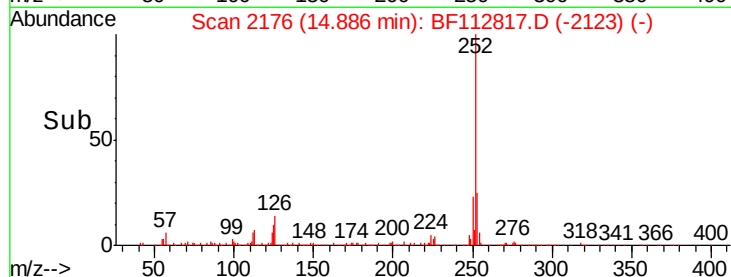
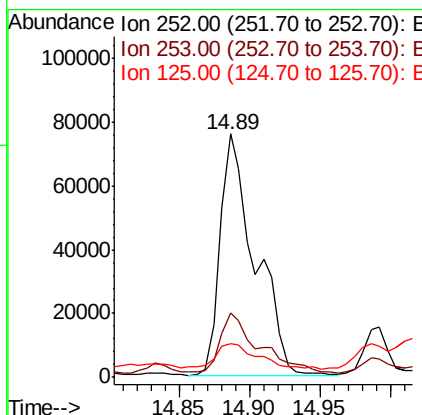
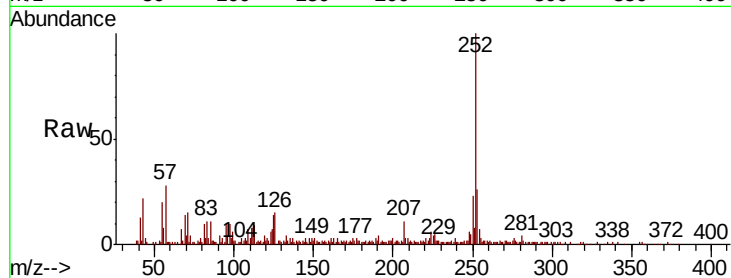




#88
Benzo(b)fluoranthene
Concen: 4.163 ng
RT: 14.89 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BF112817.D
Acq: 4 Mar 2019 12:03

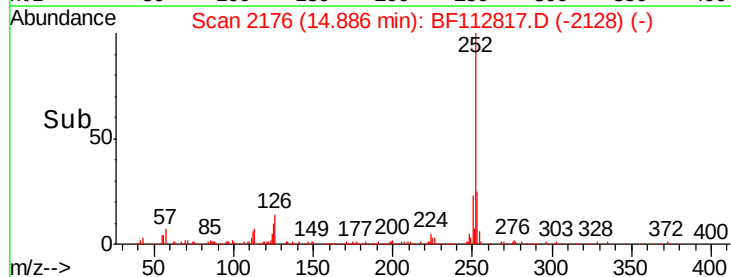
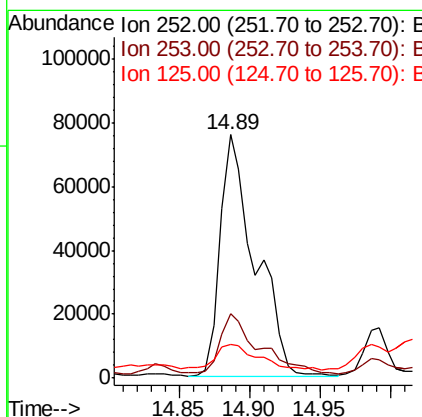
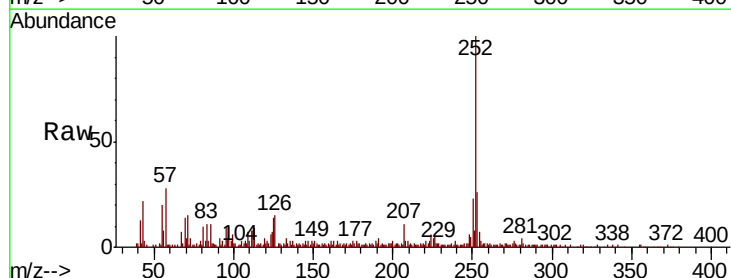
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-031-B

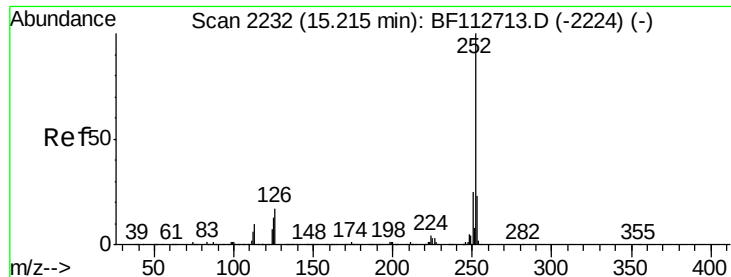
Tgt Ion:252 Resp: 130822
Ion Ratio Lower Upper
252 100
253 26.3 18.0 27.0
125 13.8 10.2 15.2



#89
Benzo(k)fluoranthene
Concen: 4.596 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.02 min
Lab File: BF112817.D
Acq: 4 Mar 2019 12:03

Tgt Ion:252 Resp: 130822
Ion Ratio Lower Upper
252 100
253 26.3 18.2 27.2
125 13.8 9.8 14.6





#90

Benzo(a)pyrene

Concen: 2.687 ng

RT: 15.23 min Scan# 2234

Delta R.T. 0.01 min

Lab File: BF112817.D

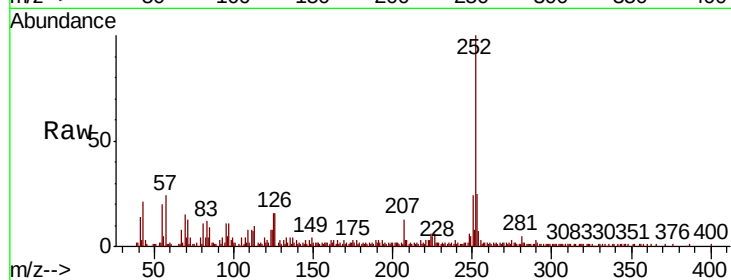
Acq: 4 Mar 2019 12:03

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-031-B



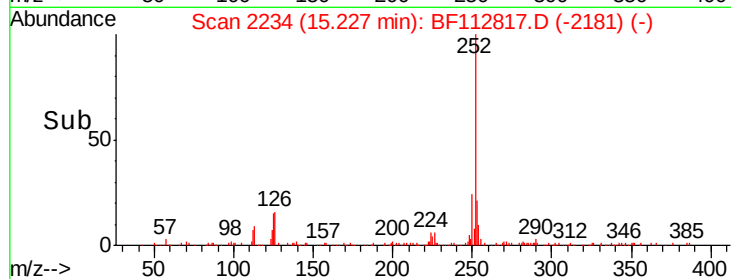
Tgt Ion: 252 Resp: 74699

Ion Ratio Lower Upper

252 100

253 25.2 18.0 27.0

125 15.7 10.7 16.1



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

