

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021819\
 Data File : BF112604.D
 Acq On : 18 Feb 2019 16:45
 Operator : JU/SJ
 Sample : K1510-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-030-A

Quant Time: Feb 19 00:04:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	74760	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	296876	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	149978	20.00	ng	-0.02
64) Phenanthrene-d10	11.35	188	298105	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	220659	20.00	ng	-0.01
87) Perylene-d12	15.47	264	184108	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	394677	112.13	ng	-0.02
7) Phenol-d6	6.47	99	502865	102.82	ng	-0.02
23) Nitrobenzene-d5	7.39	82	313757	60.90	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	181692	104.08	ng	-0.02
45) 2-Fluorobiphenyl	9.18	172	649263	61.23	ng	-0.02
79) Terphenyl-d14	12.93	244	728756	62.20	ng	-0.02

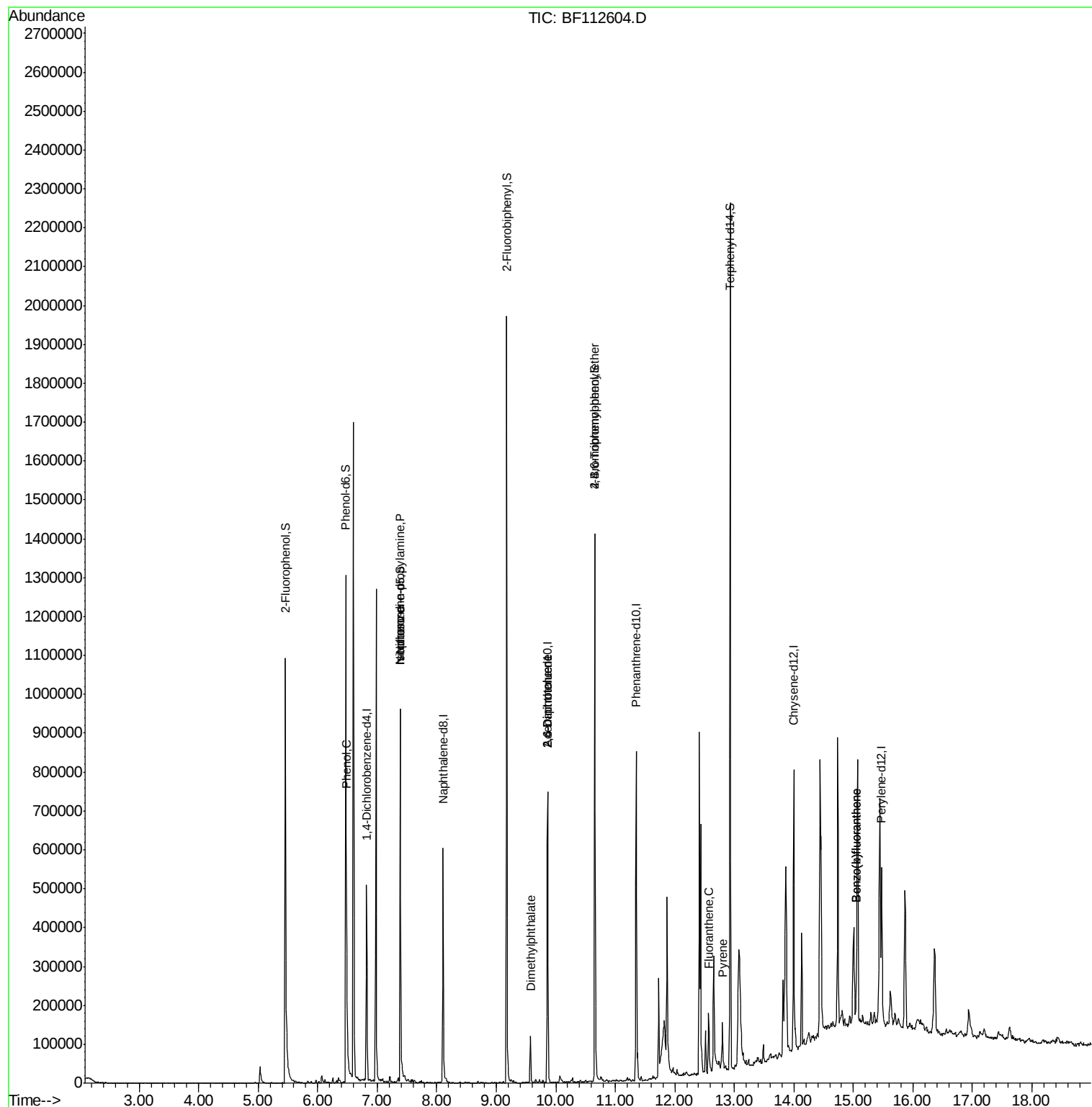
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.49	94	13971	2.604	ng	# 73
19) n-Nitroso-di-n-propylamine	7.39	70	42686	12.658	ng	# 76
25) Isophorone	7.39	82	313753	38.817	ng	# 64
50) Dimethylphthalate	9.57	163	52206	4.480	ng	99
51) 2,6-Dinitrotoluene	9.86	165	18935	7.256	ng	# 34
57) 2,4-Dinitrotoluene	9.86	165	18935	5.699	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	10772	3.072	ng	# 1
75) Fluoranthene	12.57	202	47595	2.863	ng	98
78) Pyrene	12.80	202	43090	2.821	ng	97
88) Benzo(b)fluoranthene	15.05	252	36337	3.300	ng	# 93
89) Benzo(k)fluoranthene	15.05	252	34447	3.266	ng	# 93

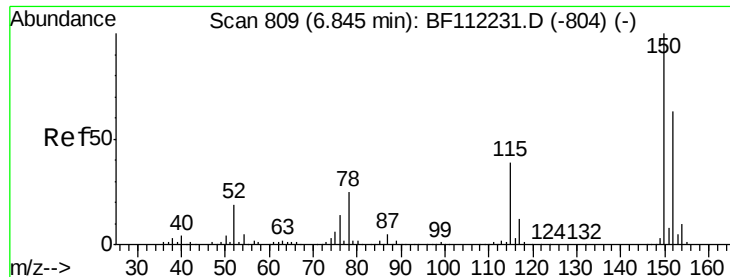
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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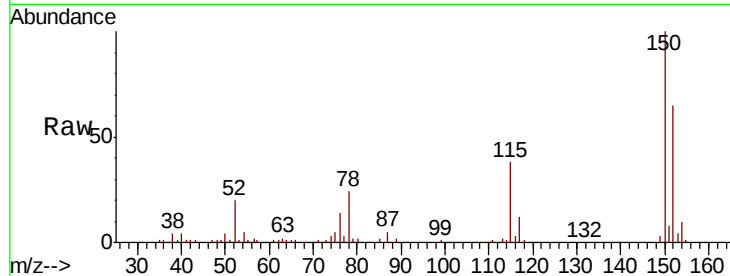


#1

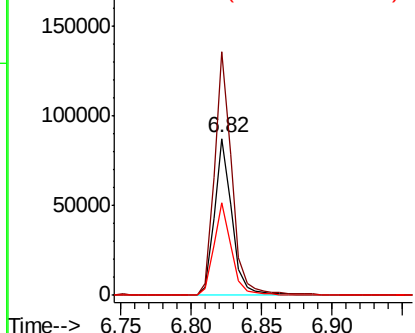
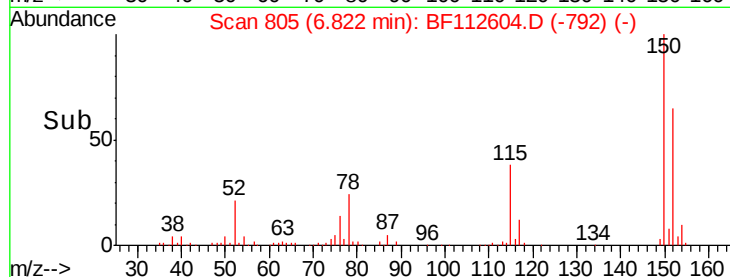
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF112604.D
Acq: 18 Feb 2019 16:45

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-030-A

Tgt Ion:152 Resp: 74760
Ion Ratio Lower Upper
152 100
150 155.0 127.4 191.0
115 59.1 45.5 68.3



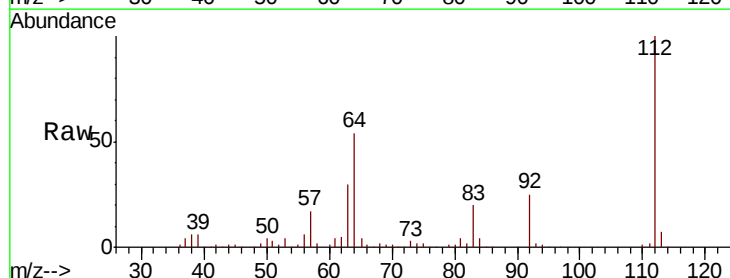
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



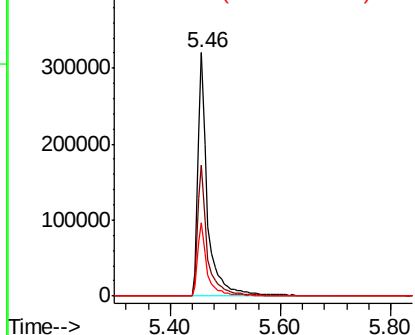
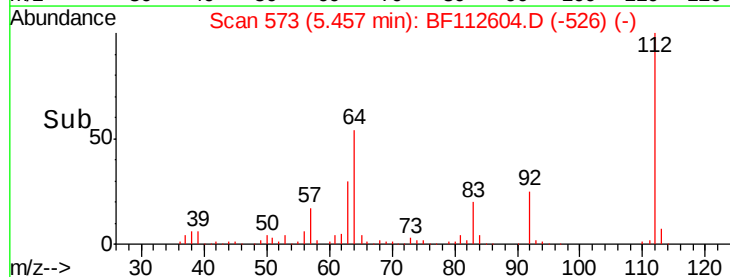
#5

2-Fluorophenol
Concen: 112.135 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.02 min
Lab File: BF112604.D
Acq: 18 Feb 2019 16:45

Tgt Ion:112 Resp: 394677
Ion Ratio Lower Upper
112 100
64 53.9 45.7 68.5
63 30.1 23.6 35.4



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: 102.820 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF112604.D

Acq: 18 Feb 2019 16:45

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-030-A

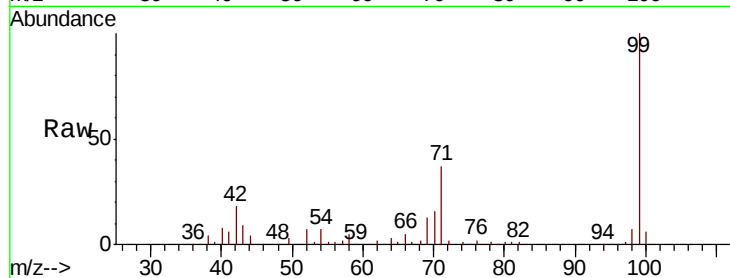
Tgt Ion: 99 Resp: 502865

Ion Ratio Lower Upper

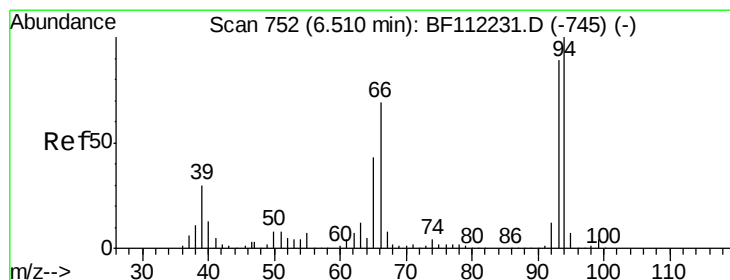
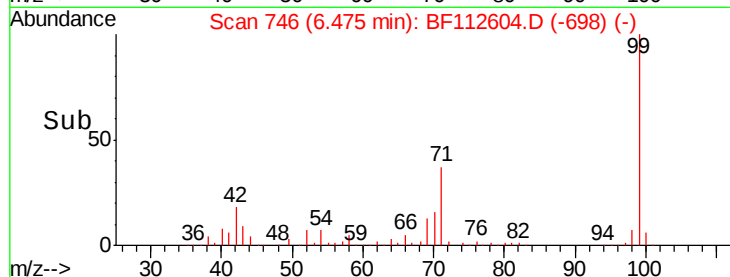
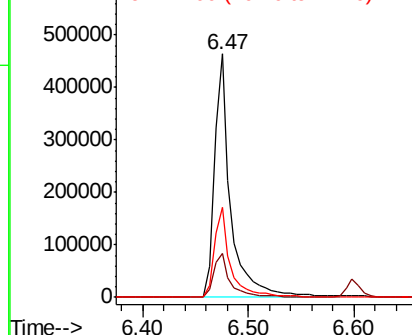
99 100

42 18.0 15.1 22.7

71 36.8 26.9 40.3



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: 2.604 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF112604.D

Acq: 18 Feb 2019 16:45

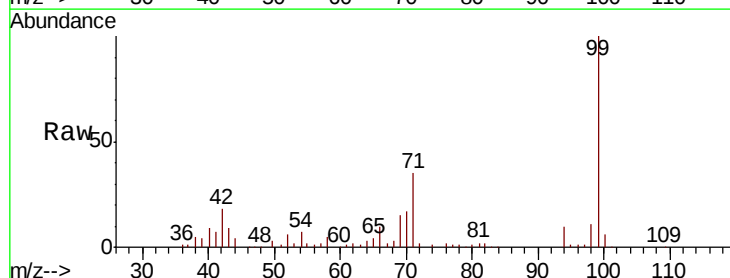
Tgt Ion: 94 Resp: 13971

Ion Ratio Lower Upper

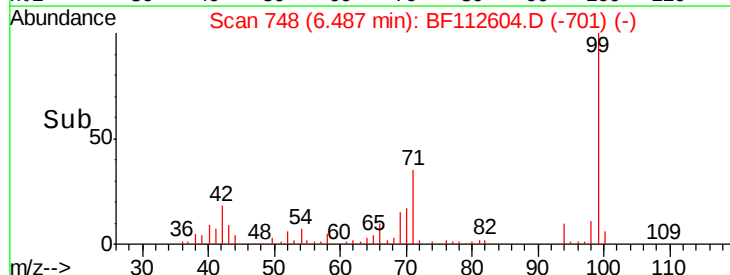
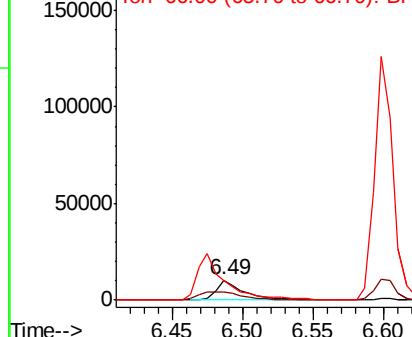
94 100

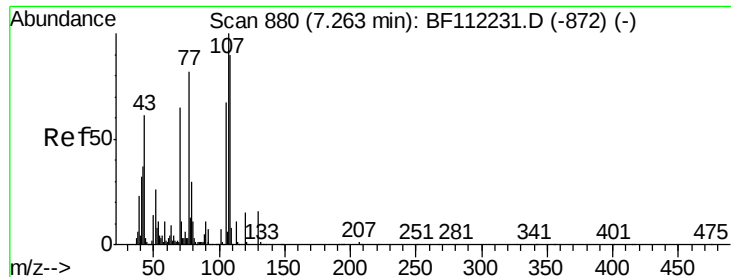
65 40.0 20.3 60.3

66 96.0 42.4 82.4#



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

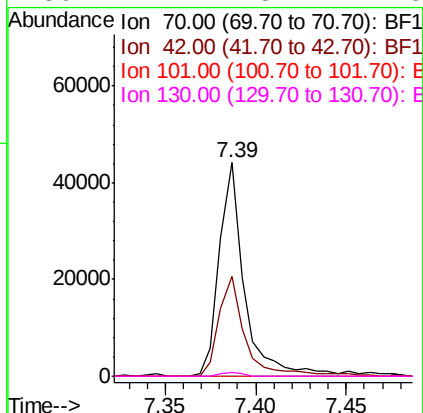
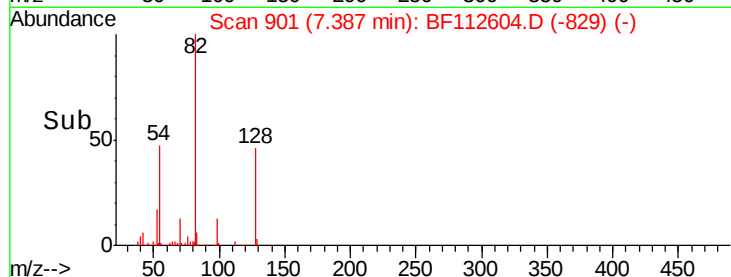
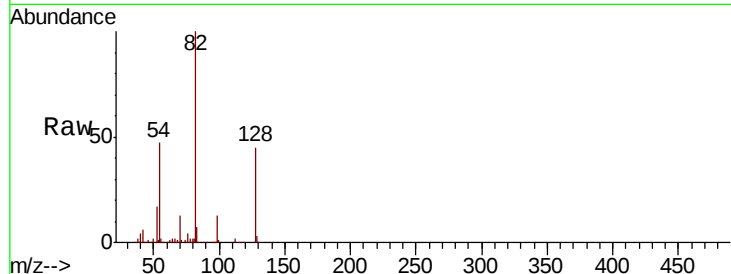




#19
n-Nitroso-di-n-propylamine
Concen: 12.658 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.12 min
Lab File: BF112604.D
Acq: 18 Feb 2019 16:45

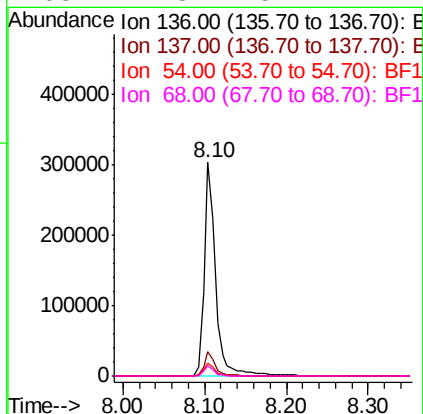
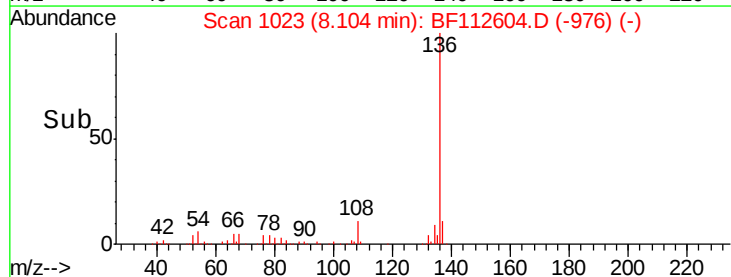
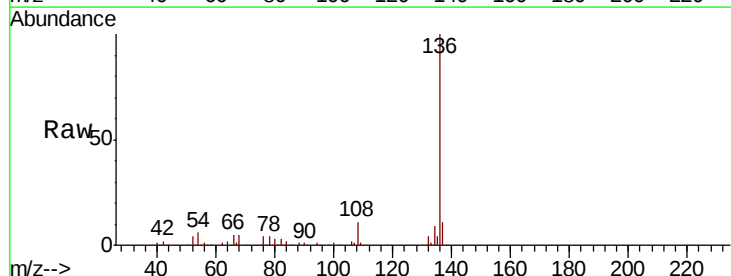
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-030-A

Tgt Ion:	70	Resp:	42686
Ion	Ratio	Lower	Upper
70	100		
42	46.8	47.6	71.4#
101	0.0	7.9	11.9#
130	2.1	18.4	27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BF112604.D
Acq: 18 Feb 2019 16:45

Tgt Ion:	136	Resp:	296876
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	5.9	5.9	8.9
68	4.8	5.1	7.7#

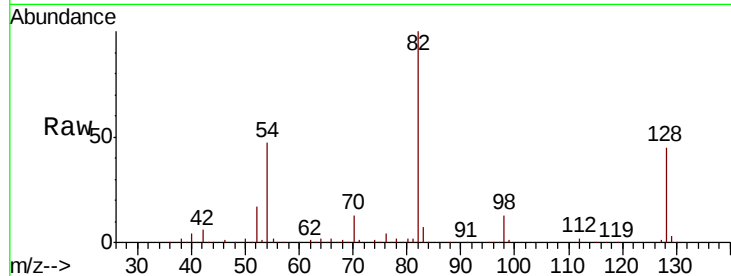




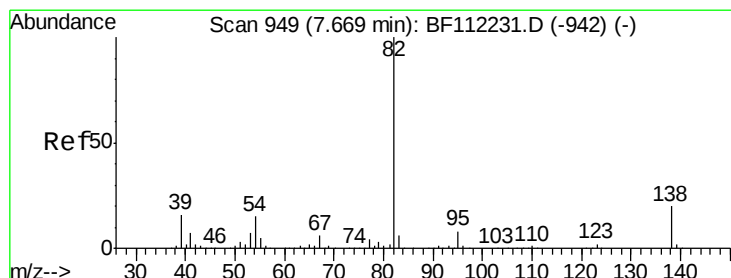
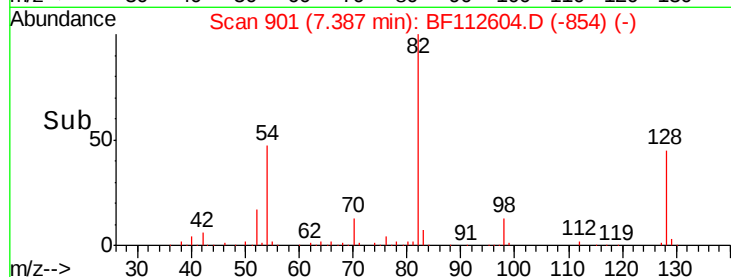
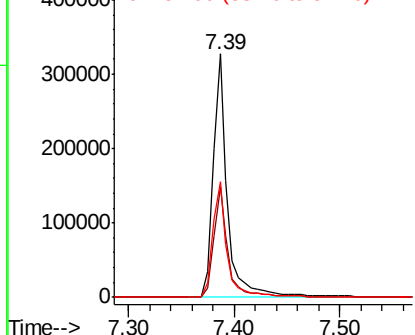
#23
Nitrobenzene-d5
Concen: 60.896 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.02 min
Lab File: BF112604.D
Acq: 18 Feb 2019 16:45

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-030-A

Tgt Ion: 82 Resp: 313757
Ion Ratio Lower Upper
82 100
128 45.5 37.8 56.8
54 47.4 39.7 59.5

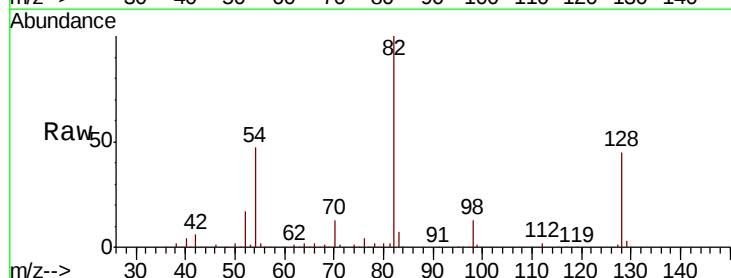


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

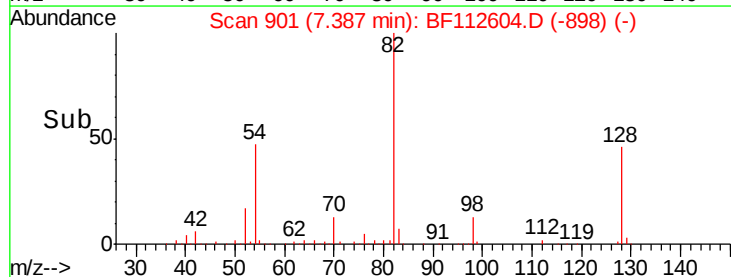
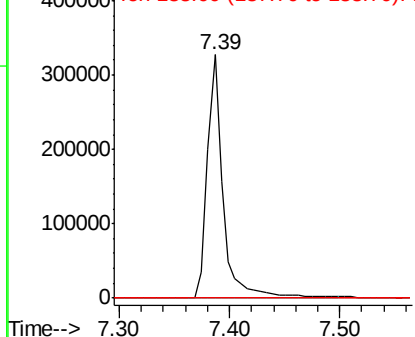


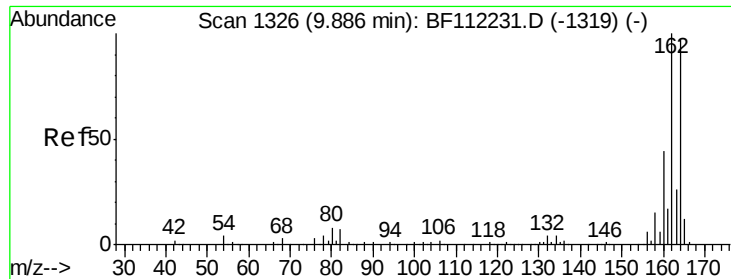
#25
Isophorone
Concen: 38.817 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.28 min
Lab File: BF112604.D
Acq: 18 Feb 2019 16:45

Tgt Ion: 82 Resp: 313753
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 15.4 23.0#



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: 9.86 min Scan# 1322

Delta R.T. -0.02 min

Lab File: BF112604.D

Acq: 18 Feb 2019 16:45

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-030-A

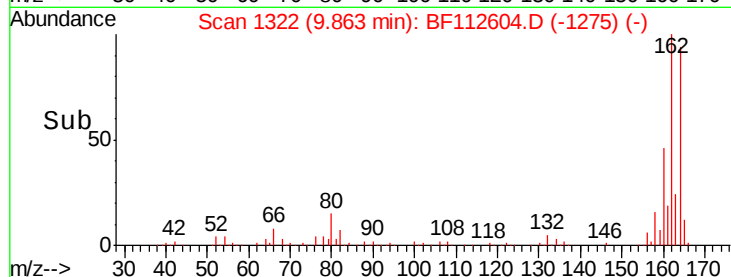
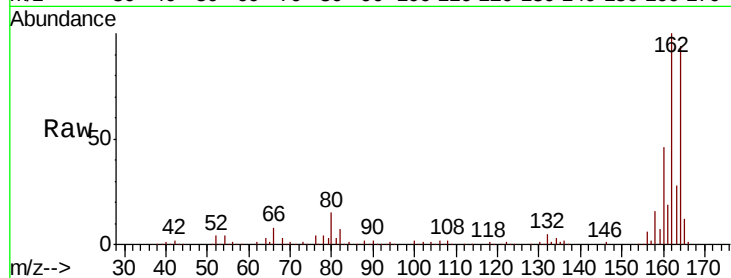
Tgt Ion:164 Resp: 149978

Ion Ratio Lower Upper

164 100

162 106.0 82.2 123.4

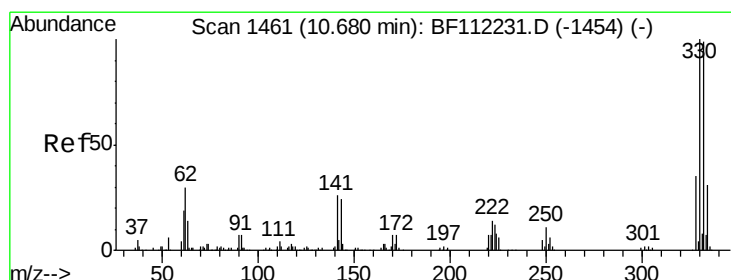
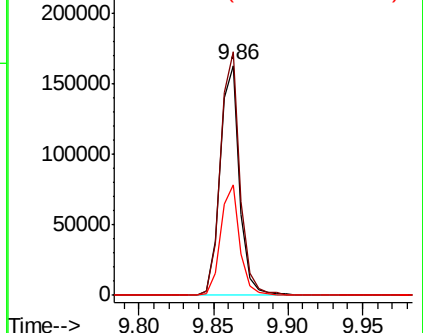
160 48.3 36.2 54.4



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: 104.080 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.02 min

Lab File: BF112604.D

Acq: 18 Feb 2019 16:45

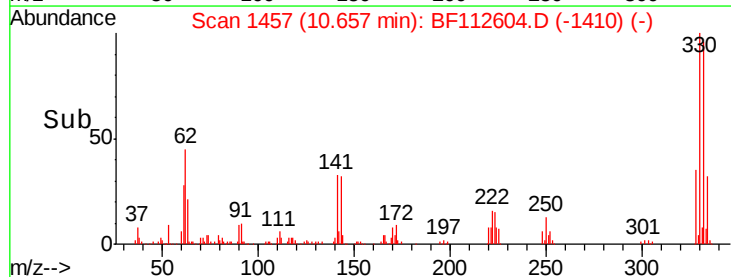
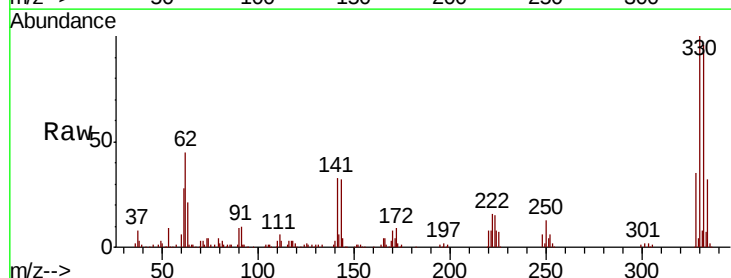
Tgt Ion:330 Resp: 181692

Ion Ratio Lower Upper

330 100

332 96.2 76.6 114.8

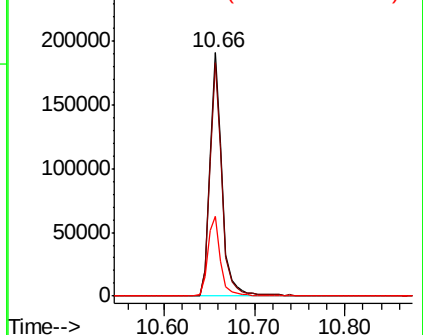
141 34.5 24.3 36.5



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

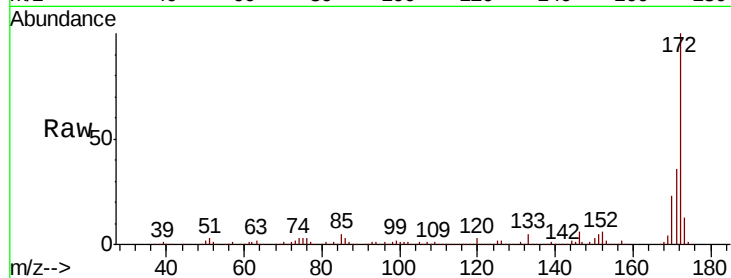




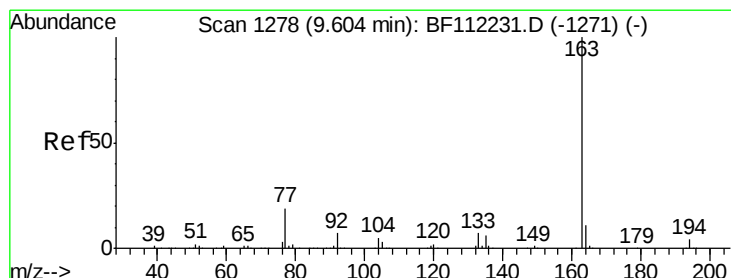
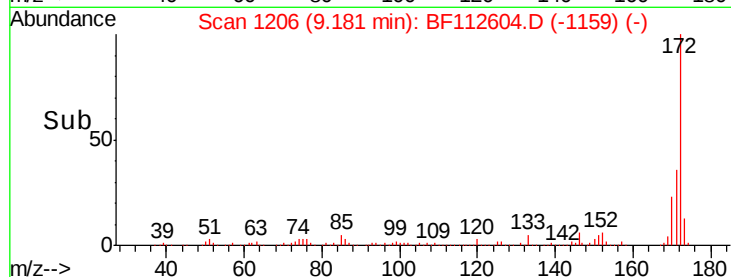
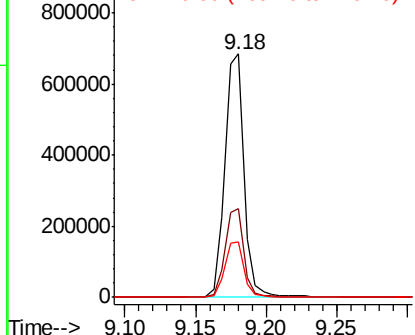
#45
 2-Fluorobiphenyl
 Concen: 61.227 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.02 min
 Lab File: BF112604.D
 Acq: 18 Feb 2019 16:45

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-030-A

Tgt Ion:172 Resp: 649263
 Ion Ratio Lower Upper
 172 100
 171 36.2 30.5 45.7
 170 23.0 20.2 30.4

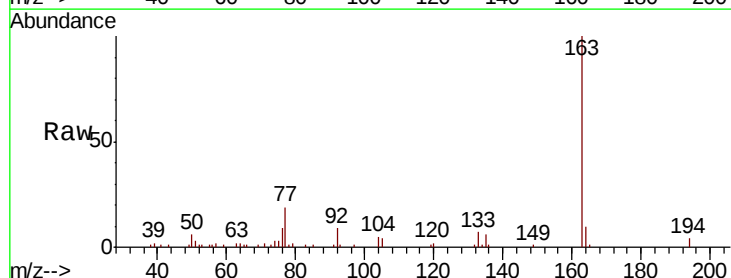


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

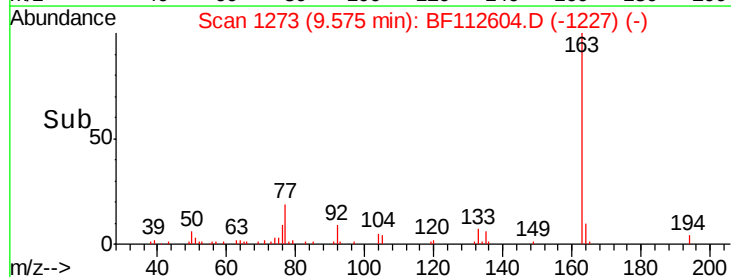
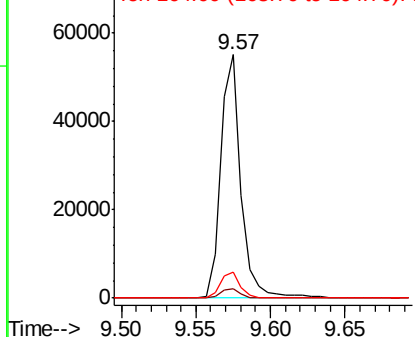


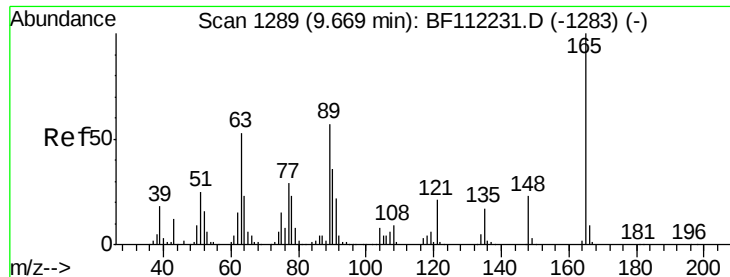
#50
 Dimethylphthalate
 Concen: 4.480 ng
 RT: 9.57 min Scan# 1273
 Delta R.T. -0.03 min
 Lab File: BF112604.D
 Acq: 18 Feb 2019 16:45

Tgt Ion:163 Resp: 52206
 Ion Ratio Lower Upper
 163 100
 194 3.7 3.3 4.9
 164 10.5 8.5 12.7



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: 7.256 ng

RT: 9.86 min Scan# 1322

Delta R.T. 0.19 min

Lab File: BF112604.D

Acq: 18 Feb 2019 16:45

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-030-A

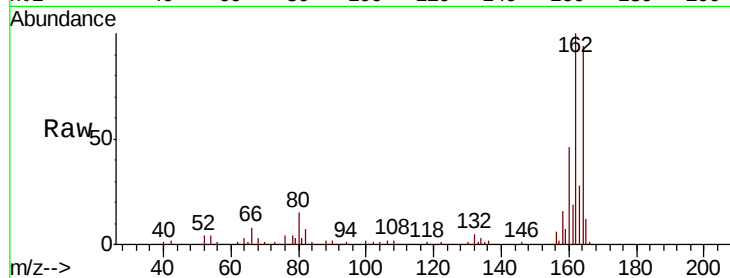
Tgt Ion:165 Resp: 18935

Ion Ratio Lower Upper

165 100

63 0.0 33.8 50.8#

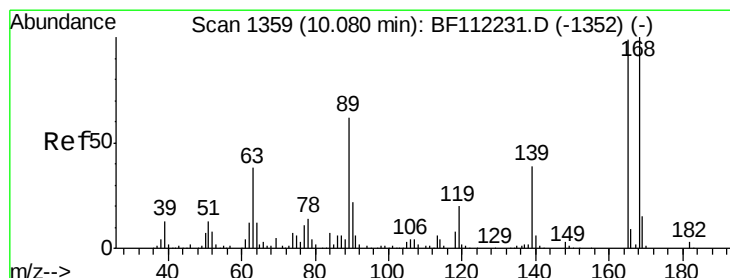
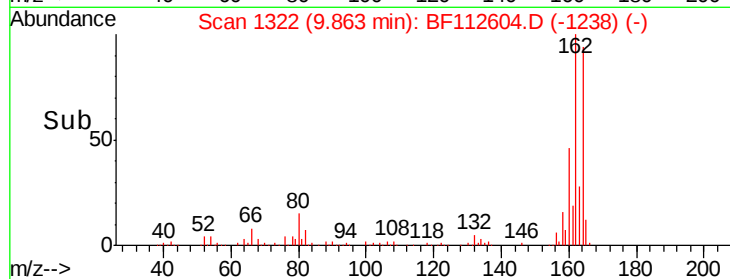
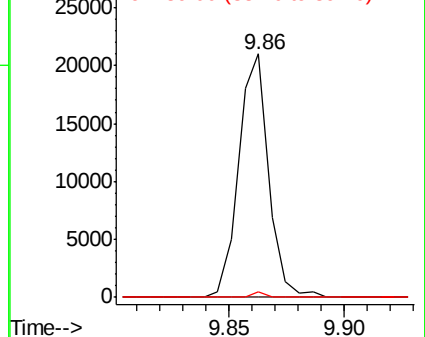
89 2.4 36.9 55.3#



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: 5.699 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.22 min

Lab File: BF112604.D

Acq: 18 Feb 2019 16:45

Tgt Ion:165 Resp: 18935

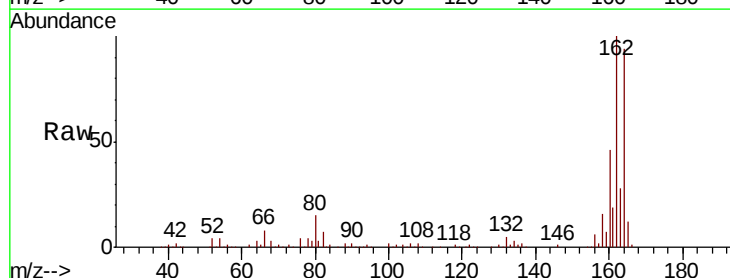
Ion Ratio Lower Upper

165 100

63 0.0 27.9 41.9#

89 2.4 47.9 71.9#

182 0.0 2.2 3.4#

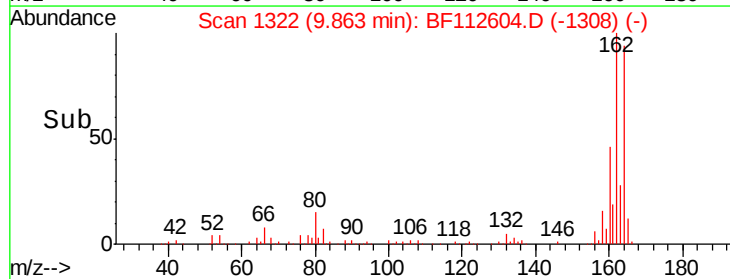
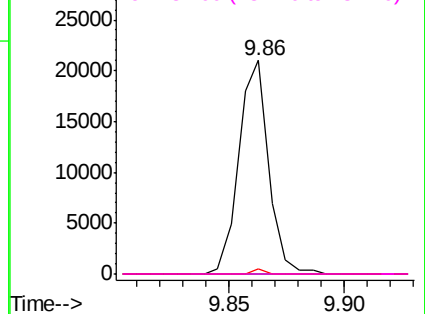


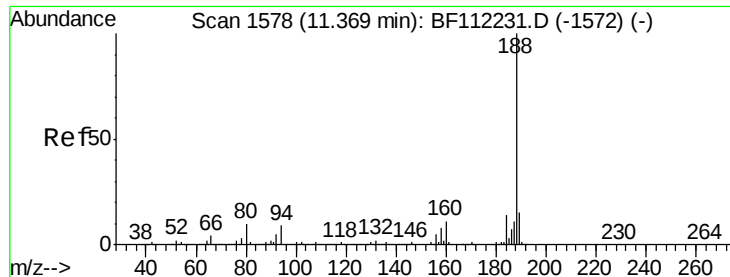
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.35 min Scan# 1575

Delta R.T. -0.02 min

Lab File: BF112604.D

Acq: 18 Feb 2019 16:45

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-030-A

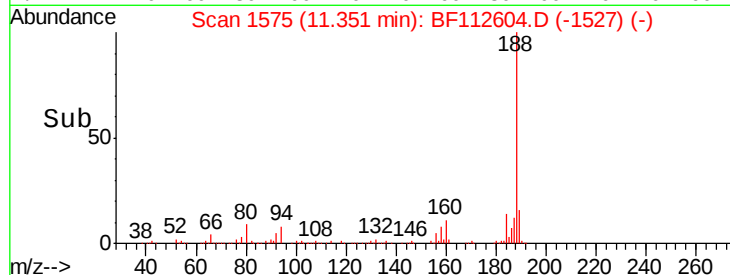
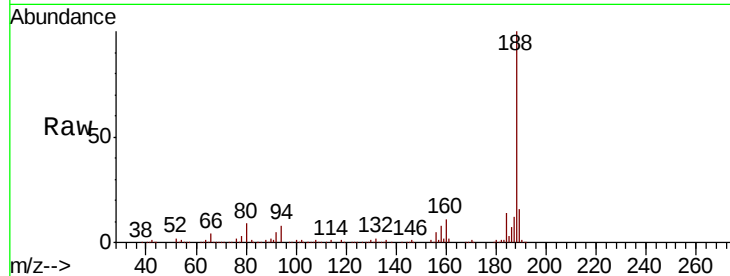
Tgt Ion:188 Resp: 298105

Ion Ratio Lower Upper

188 100

94 8.1 8.2 12.2#

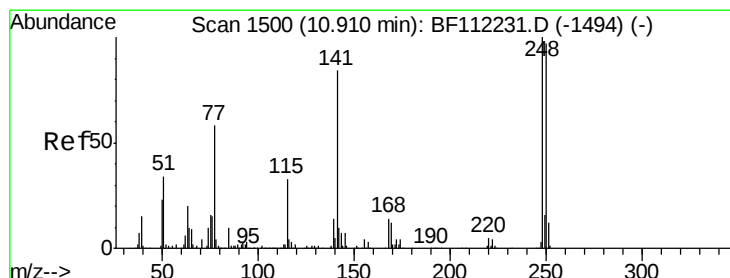
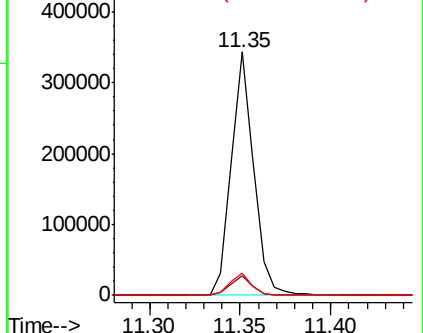
80 9.0 8.9 13.3



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



#67

4-Bromophenyl-phenylether

Concen: 3.072 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.25 min

Lab File: BF112604.D

Acq: 18 Feb 2019 16:45

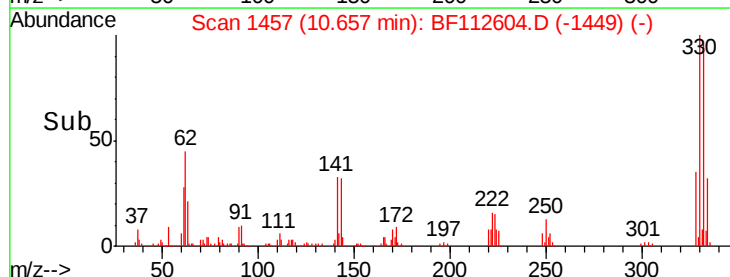
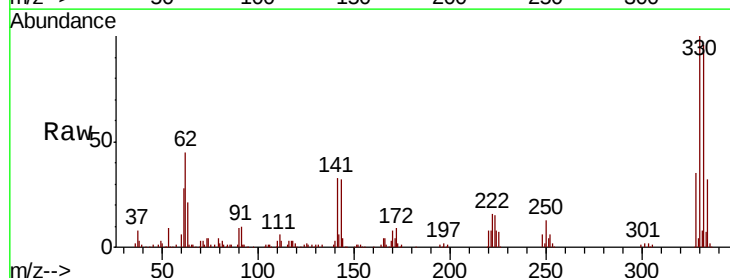
Tgt Ion:248 Resp: 10772

Ion Ratio Lower Upper

248 100

250 212.5 79.7 119.5#

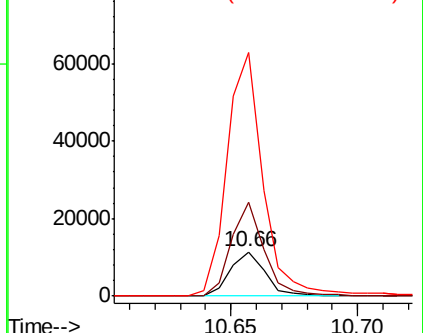
141 552.9 60.3 90.5#

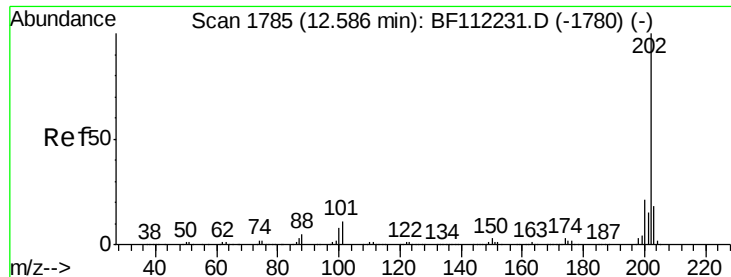


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 2.863 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.02 min

Lab File: BF112604.D

Acq: 18 Feb 2019 16:45

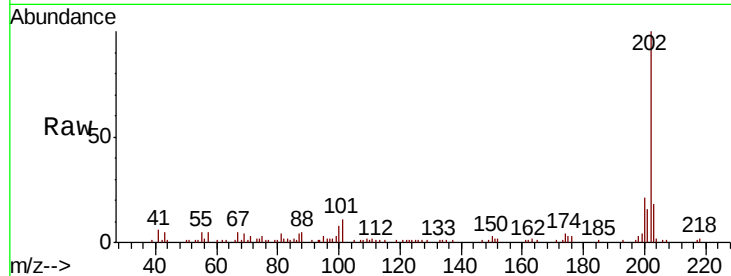
Instrument :

BNA_F

ClientSampleId :

FK-GF-02-030-A

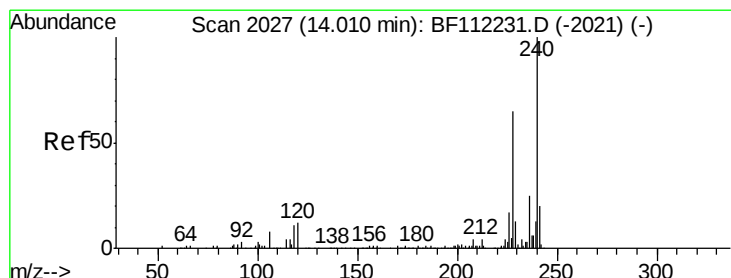
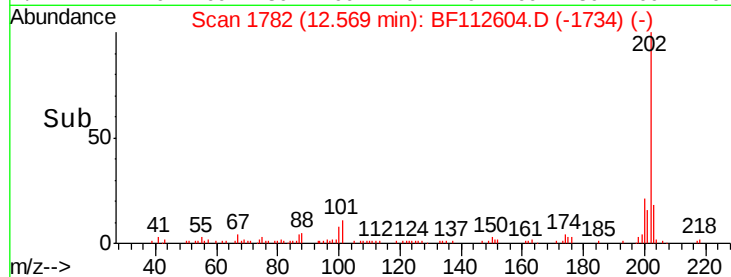
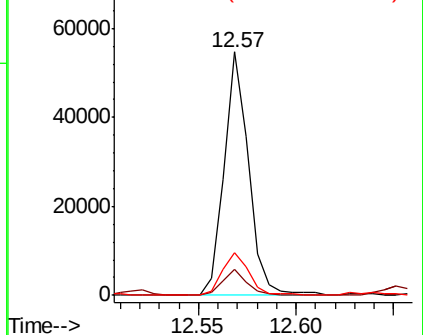
Tgt Ion:	202	Resp:	47595
Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.8
203	17.8	0.0	38.4



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

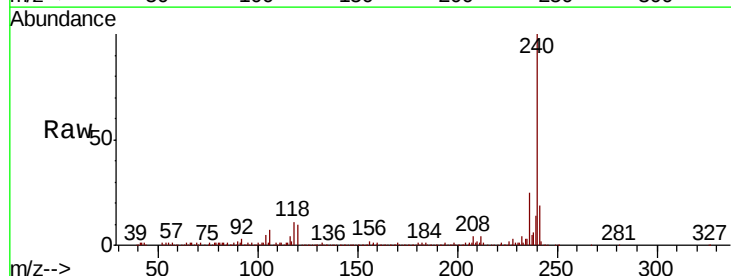
RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF112604.D

Acq: 18 Feb 2019 16:45

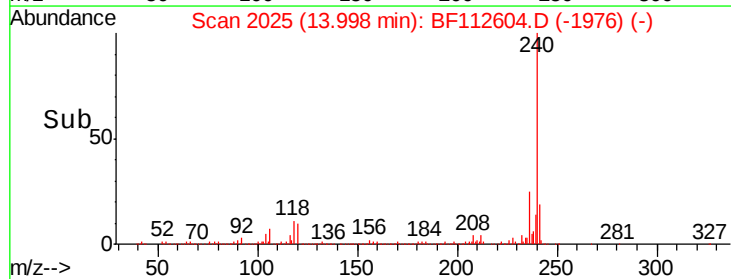
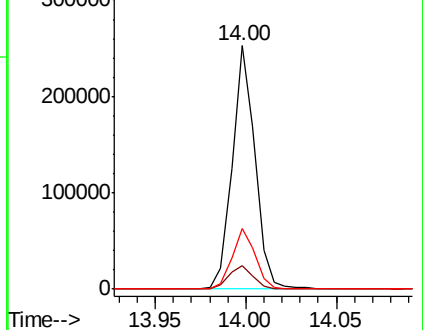
Tgt Ion:	240	Resp:	220659
Ion	Ratio	Lower	Upper
240	100		
120	9.8	9.0	13.6
236	25.1	20.7	31.1

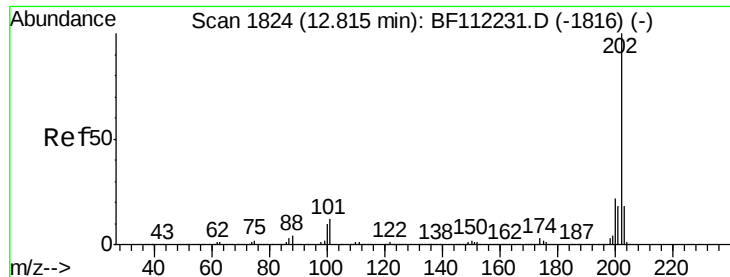


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

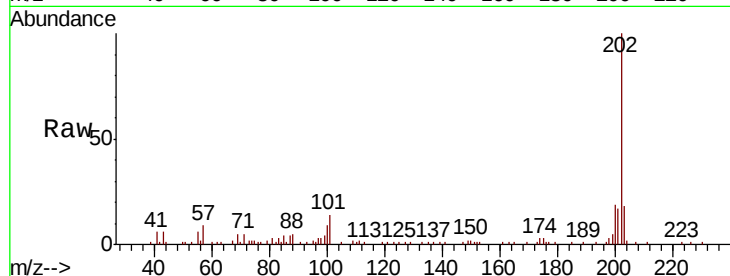




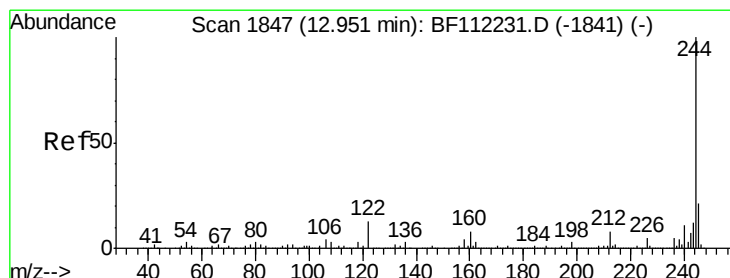
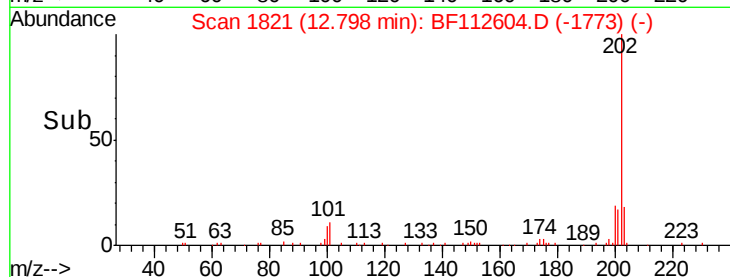
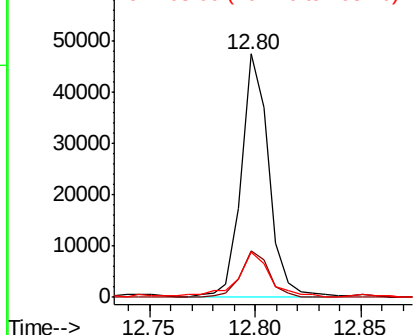
#78
 Pyrene
 Concen: 2.821 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. -0.02 min
 Lab File: BF112604.D
 Acq: 18 Feb 2019 16:45

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-030-A

Tgt Ion: 202 Resp: 43090
 Ion Ratio Lower Upper
 202 100
 200 19.3 17.7 26.5
 203 18.4 14.6 22.0

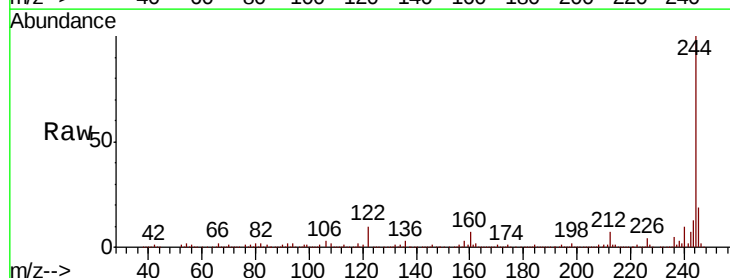


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

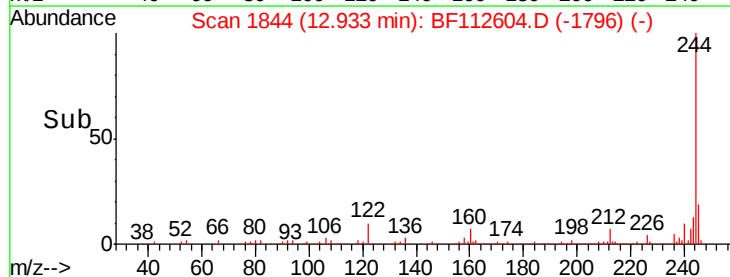
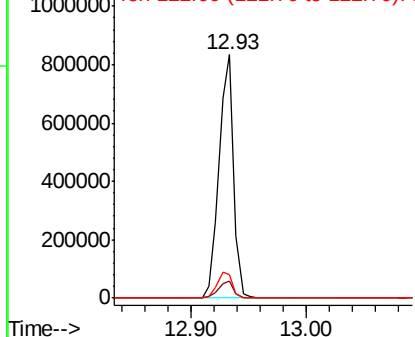


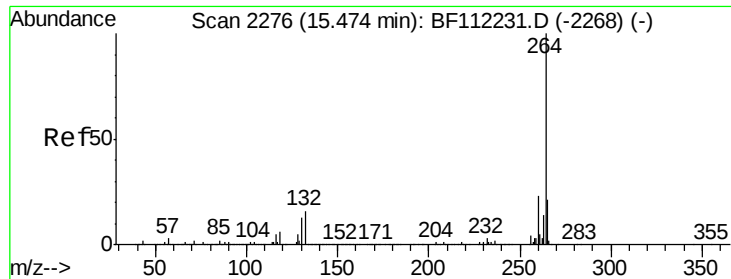
#79
 Terphenyl-d14
 Concen: 62.203 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.02 min
 Lab File: BF112604.D
 Acq: 18 Feb 2019 16:45

Tgt Ion: 244 Resp: 728756
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.9 8.9
 122 9.9 9.8 14.6



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





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2276

Delta R.T. 0.00 min

Lab File: BF112604.D

Acq: 18 Feb 2019 16:45

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-030-A

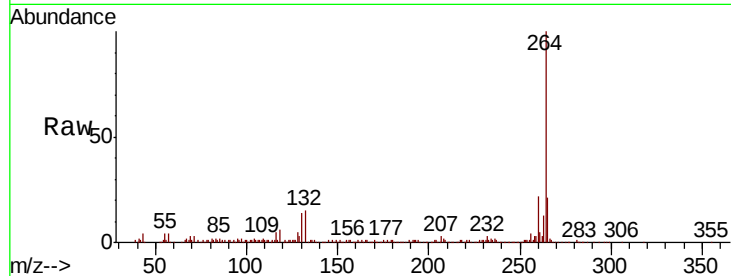
Tgt Ion:264 Resp: 184108

Ion Ratio Lower Upper

264 100

260 22.4 18.2 27.2

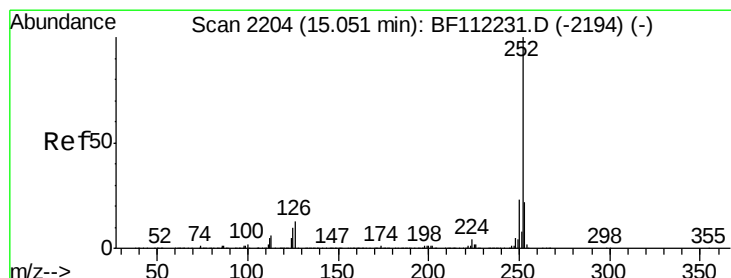
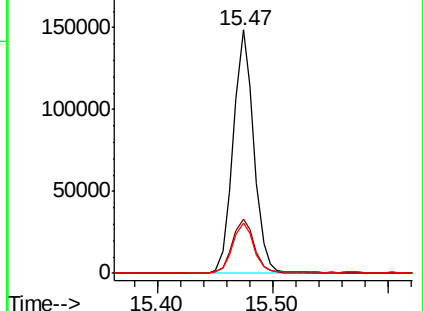
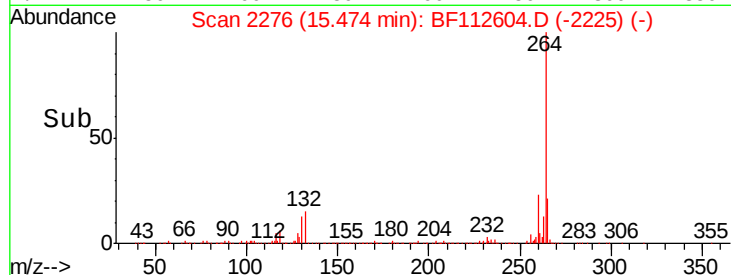
265 20.8 17.0 25.4



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: 3.300 ng

RT: 15.05 min Scan# 2204

Delta R.T. 0.00 min

Lab File: BF112604.D

Acq: 18 Feb 2019 16:45

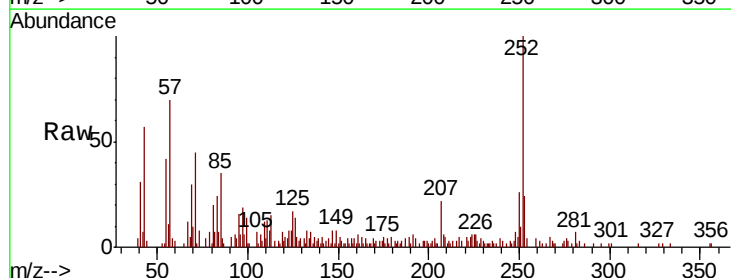
Tgt Ion:252 Resp: 36337

Ion Ratio Lower Upper

252 100

253 24.2 18.0 27.0

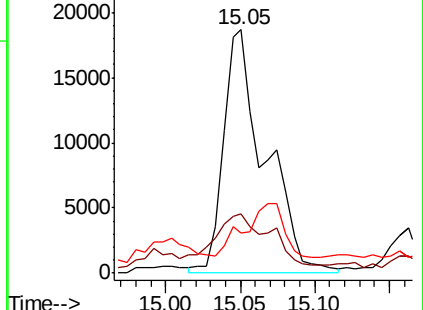
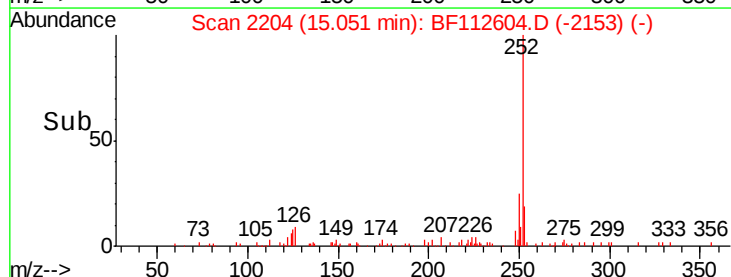
125 16.7 8.7 13.1#

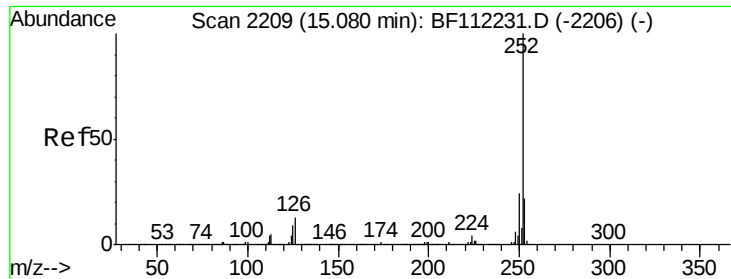


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 3.266 ng

RT: 15.05 min Scan# 2204

Delta R.T. -0.03 min

Lab File: BF112604.D

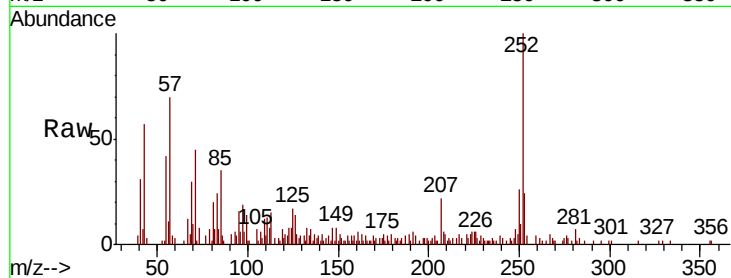
Acq: 18 Feb 2019 16:45

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-030-A



Tgt Ion:	252	Resp:	34447
Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.0	27.0
125	16.7	9.1	13.7

