

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF101218\
 Data File : BF109847.D
 Acq On : 12 Oct 2018 21:23
 Operator : JU/SJ
 Sample : J5394-03RE
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-027-B

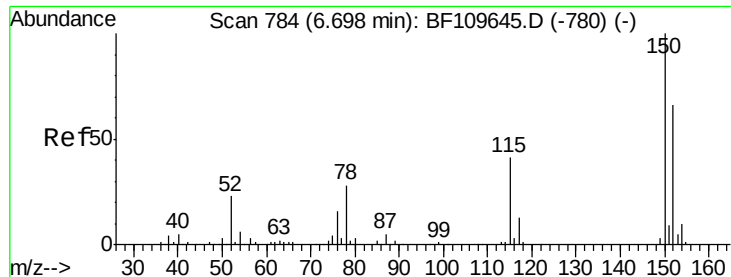
Quant Time: Oct 12 22:22:43 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	97321	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	395896	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	168600	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	259199	20.00	ng	0.00
75) Chrysene-d12	13.83	240	200156	20.00	ng	0.00
86) Perylene-d12	15.23	264	169508	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	535033	97.58	ng	0.00
7) Phenol-d6	6.35	99	731615	99.89	ng	-0.01
23) Nitrobenzene-d5	7.26	82	472205	65.75	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	150166	81.74	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	779693	63.69	ng	0.00
78) Terphenyl-d14	12.78	244	521615	50.45	ng	0.00

Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.26	70	62448	12.158	ng	# 79
25) Isophorone	7.26	82	472205	39.594	ng	# 67
49) Dimethylphthalate	9.44	163	98686	7.981	ng	99
56) 2,4-Dinitrotoluene	9.72	165	20972	6.270	ng	# 20
66) 4-Bromophenyl-phenylether	10.51	248	8575	2.879	ng	# 1
70) Phenanthrene	11.22	178	32076	2.473	ng	98
74) Fluoranthene	12.40	202	86260	6.366	ng	97
77) Pyrene	12.63	202	78502	5.353	ng	98
80) Benzo(a)anthracene	13.82	228	51793	4.689	ng	97
82) Chrysene	13.86	228	51196	4.413	ng	97
85) Indeno(1,2,3-cd)pyrene	16.59	276	21633	2.605	ng	93
87) Benzo(b)fluoranthene	14.84	252	79971	8.537	ng	# 93
88) Benzo(k)fluoranthene	14.84	252	79971	8.497	ng	# 92
89) Benzo(a)pyrene	15.17	252	40885	4.810	ng	# 95
91) Benzo(g,h,i)perylene	16.99	276	17960	2.576	ng	99

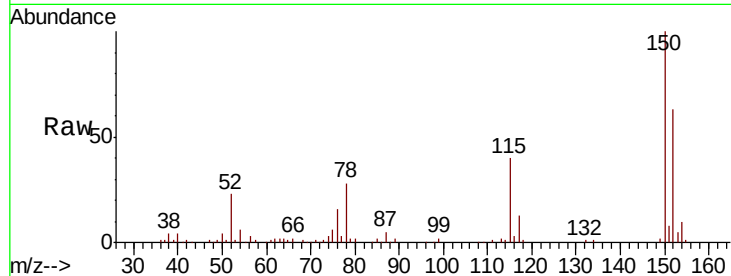
(#) = qualifier out of range (m) = manual integration (+) = signals summed



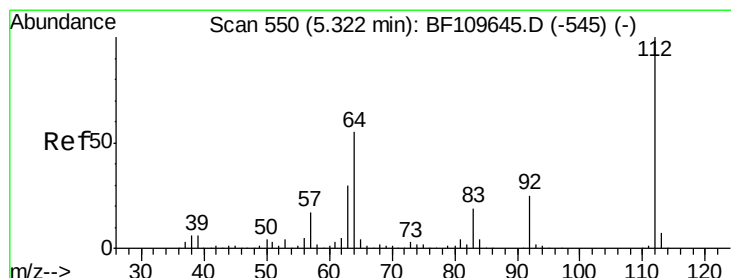
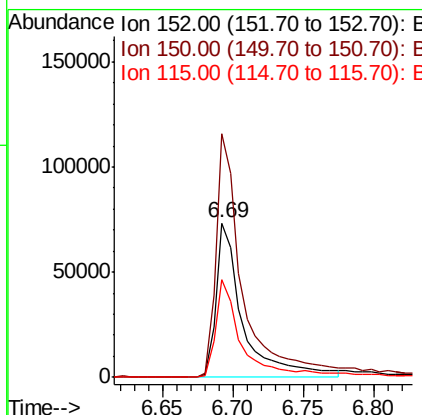
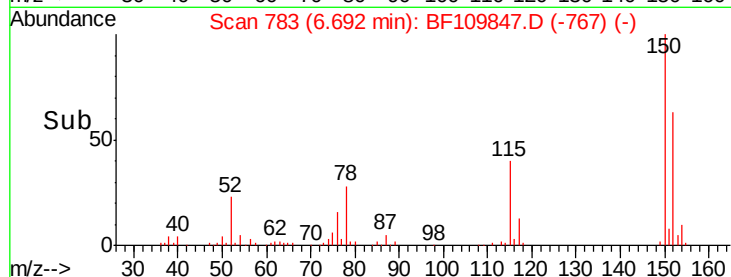
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 783
 Delta R.T. -0.01 min
 Lab File: BF109847.D
 Acq: 12 Oct 2018 21:23

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-027-B

Tgt Ion:152 Resp: 97321
 Ion Ratio Lower Upper
 152 100
 150 157.9 122.7 184.1
 115 63.5 49.1 73.7

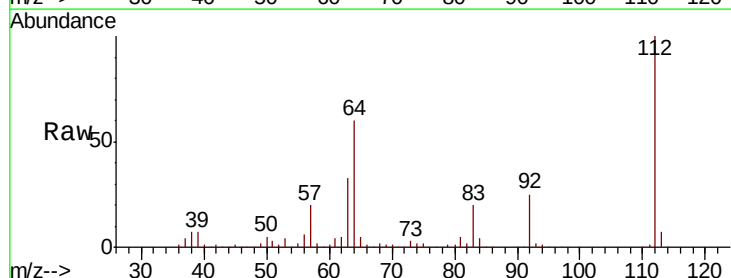


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

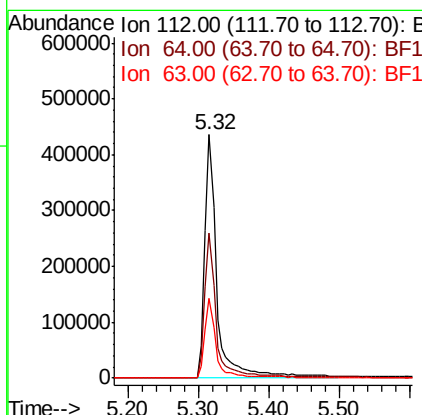
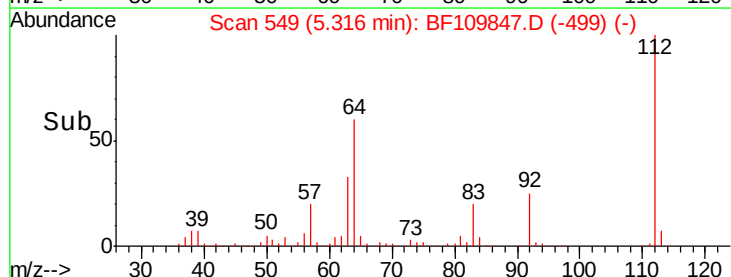


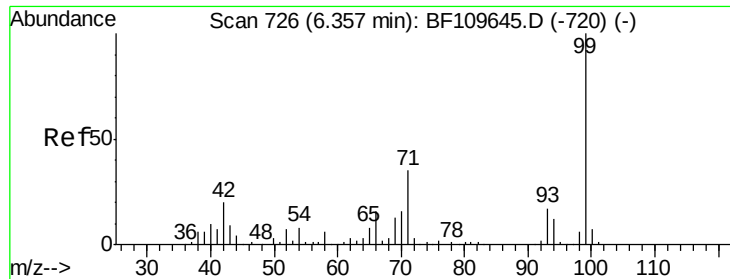
#5
 2-Fluorophenol
 Concen: 97.584 ng
 RT: 5.32 min Scan# 549
 Delta R.T. -0.00 min
 Lab File: BF109847.D
 Acq: 12 Oct 2018 21:23

Tgt Ion:112 Resp: 535033
 Ion Ratio Lower Upper
 112 100
 64 59.6 44.1 66.1
 63 32.7 23.7 35.5



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: 99.888 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109847.D

Acq: 12 Oct 2018 21:23

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-027-B

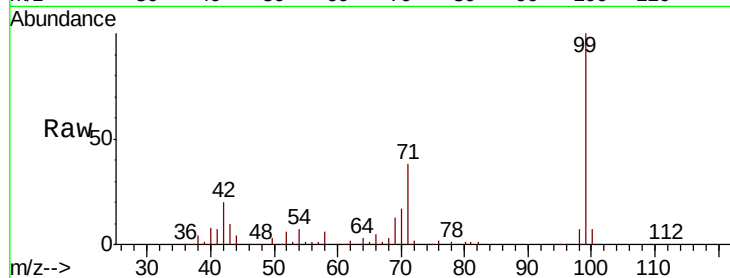
Tgt Ion: 99 Resp: 731615

Ion Ratio Lower Upper

99 100

42 20.0 15.8 23.6

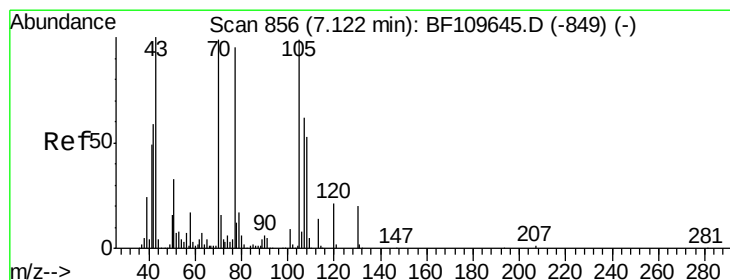
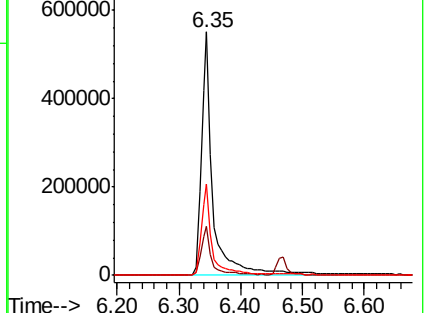
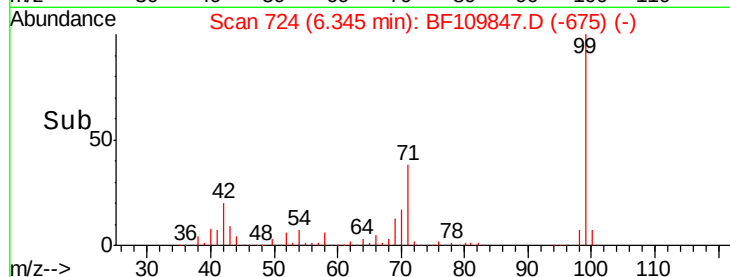
71 37.6 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 12.158 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF109847.D

Acq: 12 Oct 2018 21:23

Tgt Ion: 70 Resp: 62448

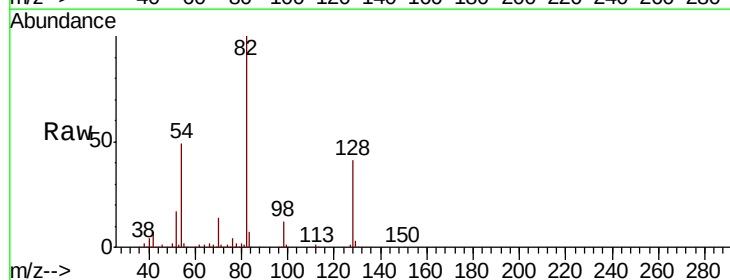
Ion Ratio Lower Upper

70 100

42 48.4 47.4 71.2

101 0.0 7.3 10.9#

130 1.6 16.2 24.2#

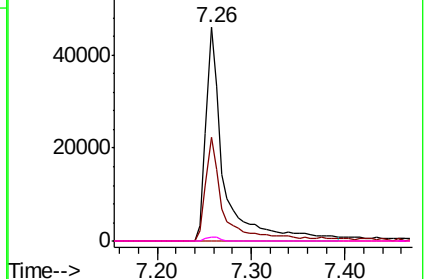
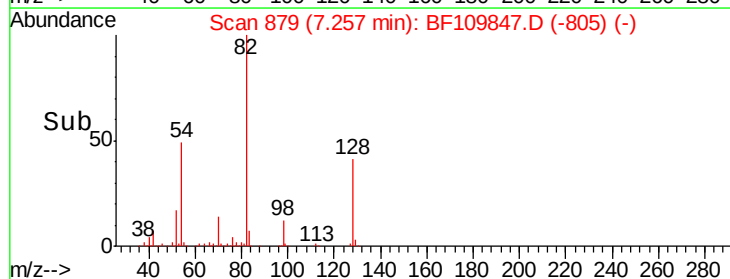


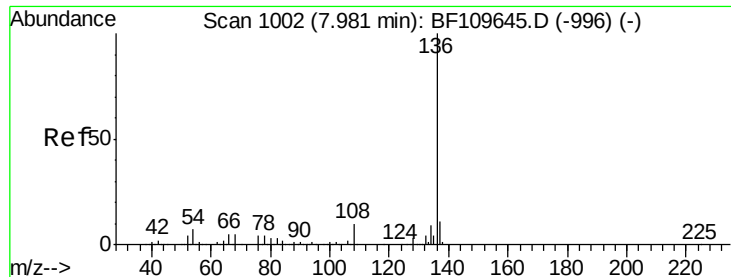
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

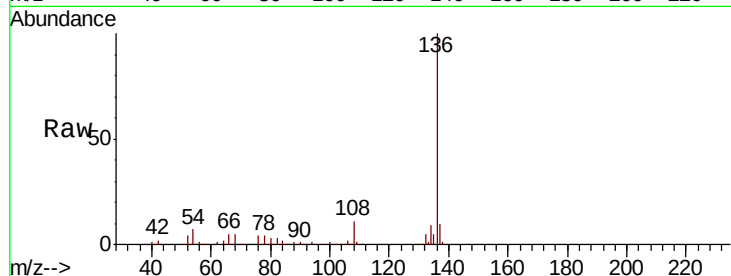




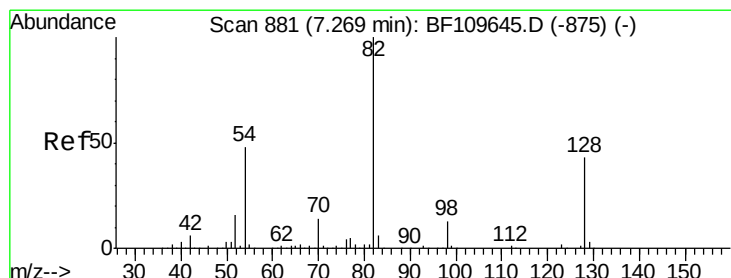
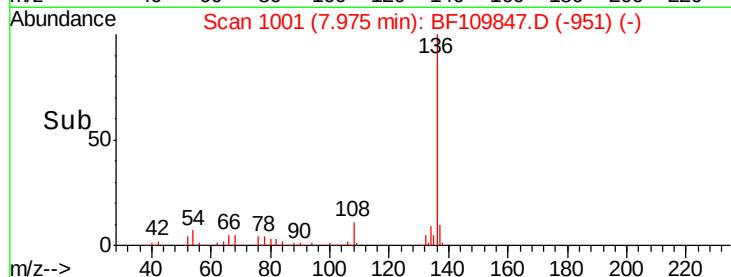
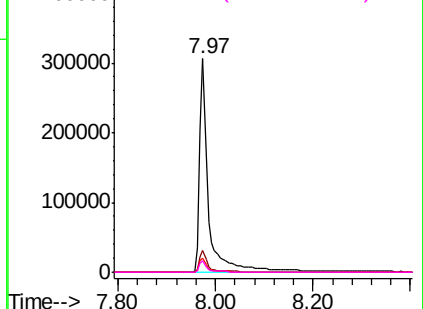
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF109847.D
Acq: 12 Oct 2018 21:23

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-027-B

Tgt Ion:	136	Resp:	395896
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.8	13.2
54	6.7	5.4	8.2
68	5.3	4.2	6.2

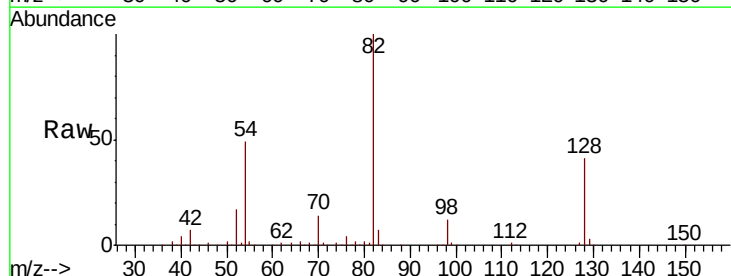


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

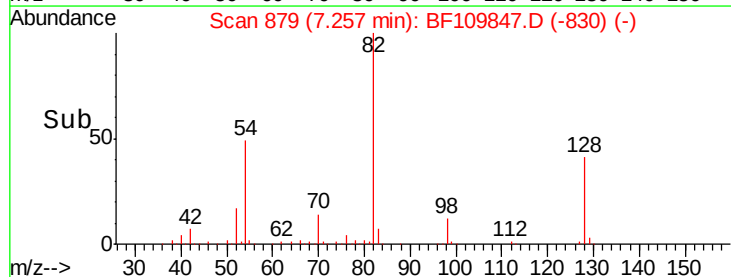
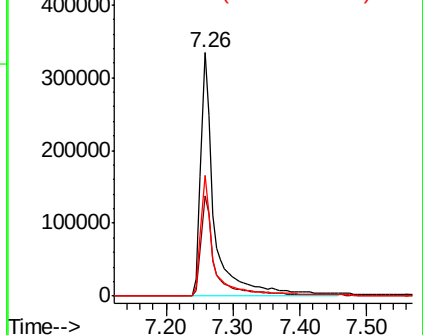


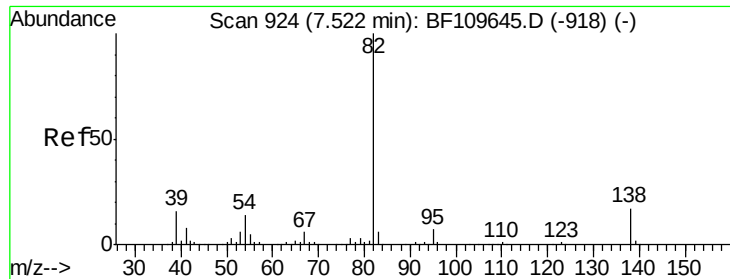
#23
Nitrobenzene-d5
Concen: 65.748 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF109847.D
Acq: 12 Oct 2018 21:23

Tgt Ion:	82	Resp:	472205
Ion	Ratio	Lower	Upper
82	100		
128	41.4	34.2	51.2
54	49.4	38.6	58.0



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

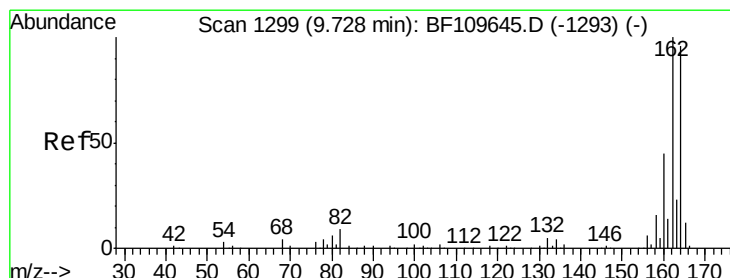
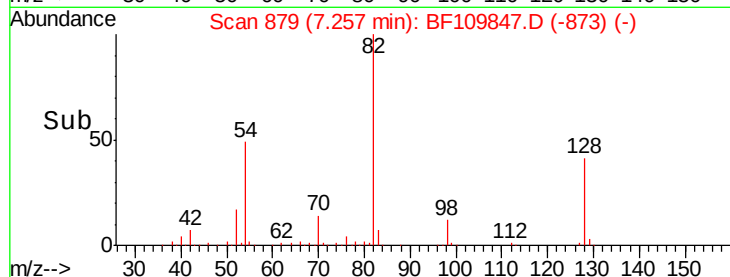
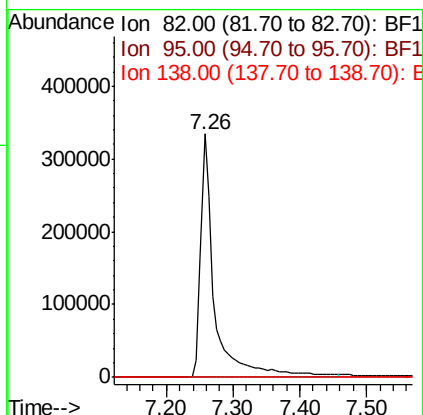
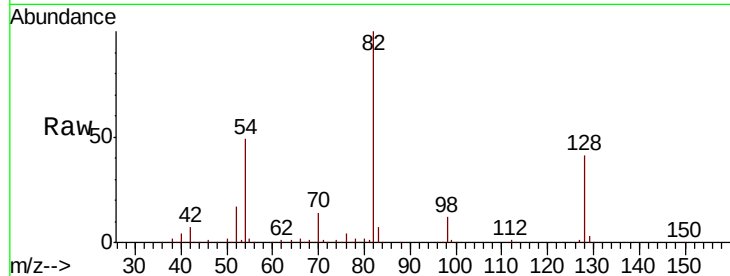




#25
Isophorone
Concen: 39.594 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.26 min
Lab File: BF109847.D
Acq: 12 Oct 2018 21:23

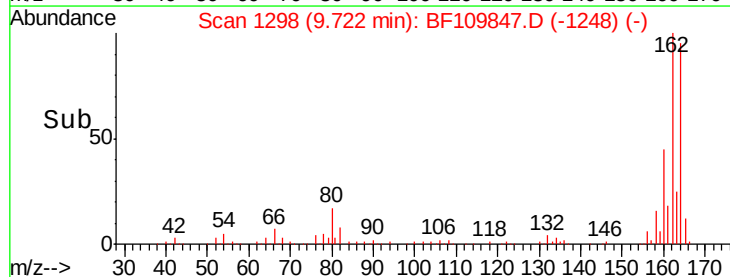
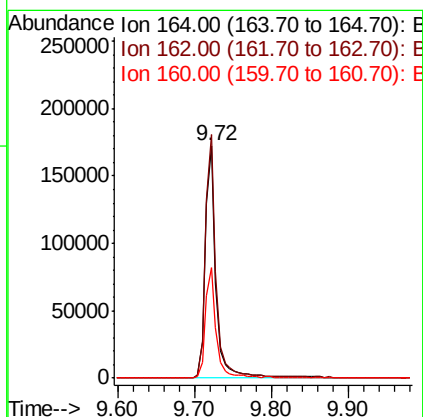
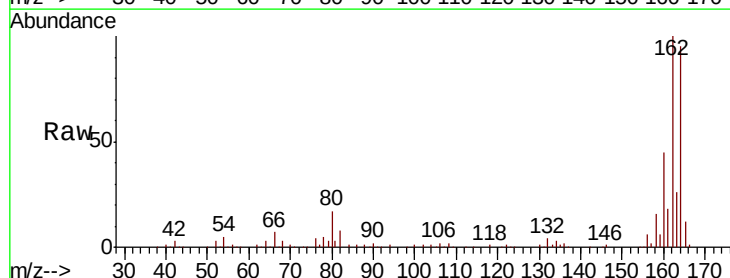
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BNA_F
ClientSampleId :
FK-GF-02-027-B

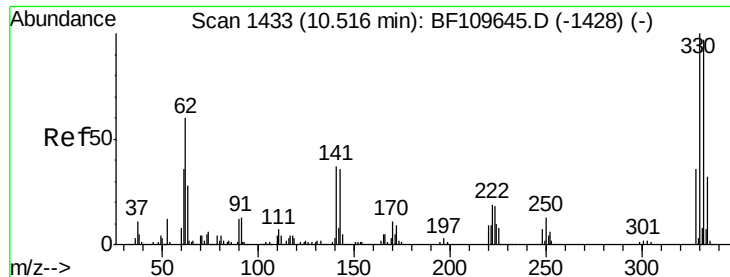
Tgt Ion: 82 Resp: 472205
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.2 19.8#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF109847.D
Acq: 12 Oct 2018 21:23

Tgt Ion: 164 Resp: 168600
Ion Ratio Lower Upper
164 100
162 104.9 83.0 124.6
160 47.6 37.0 55.6

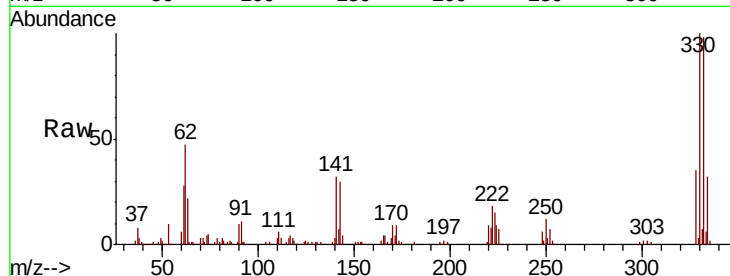




#41
 2,4,6-Tribromophenol
 Concen: 81.742 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF109847.D
 Acq: 12 Oct 2018 21:23

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-027-B

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.1	115.7
141	35.4	27.0	40.4

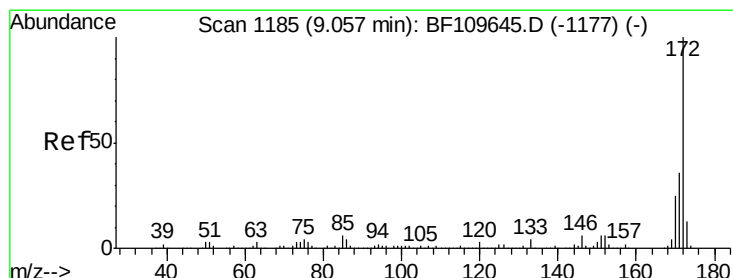
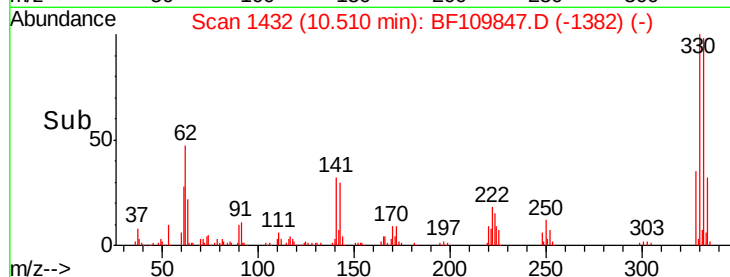
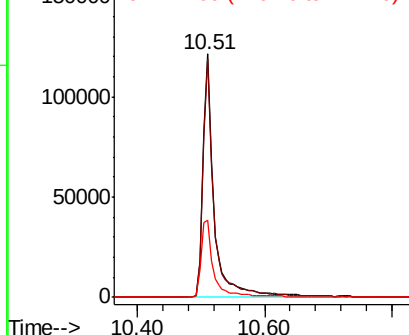


Abundance

Ion 329.80 (329.50 to 330.50): E

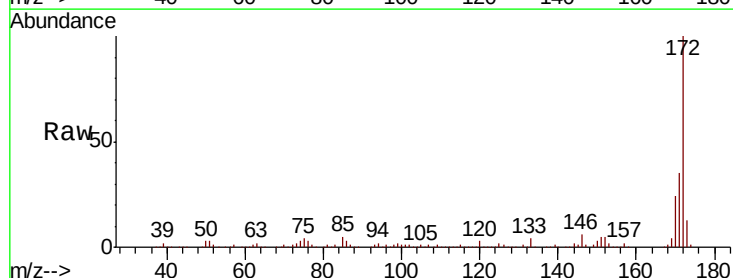
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 63.691 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: BF109847.D
 Acq: 12 Oct 2018 21:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	43.0
170	23.6	19.7	29.5

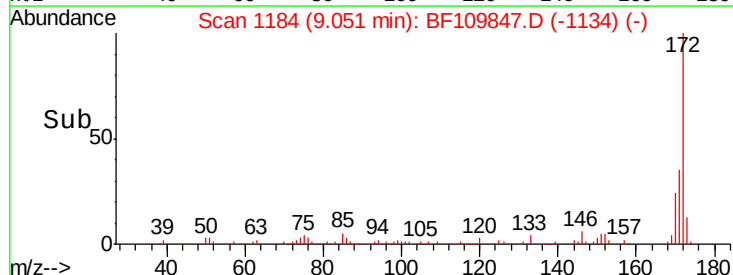
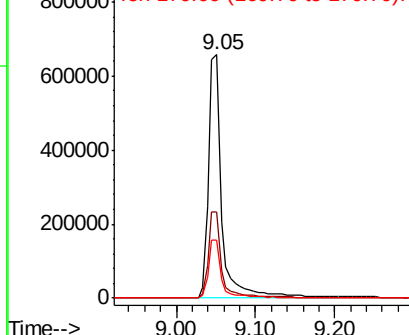


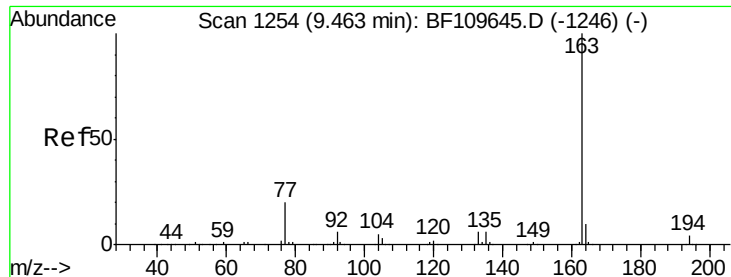
Abundance

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

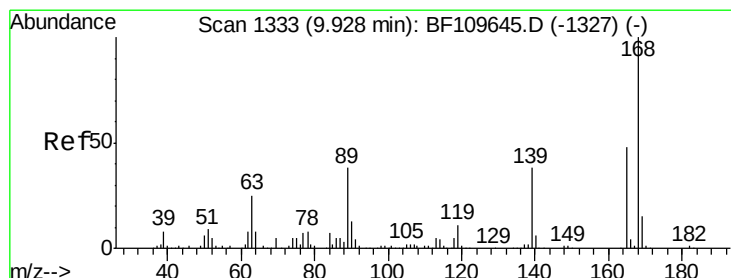
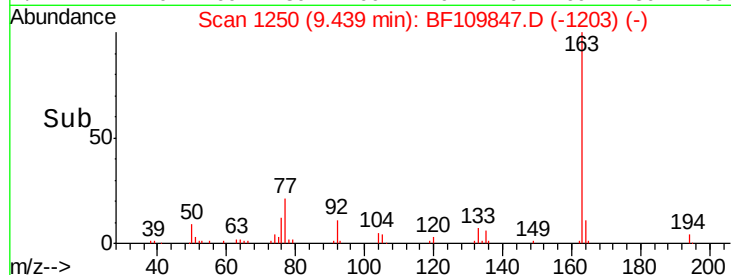
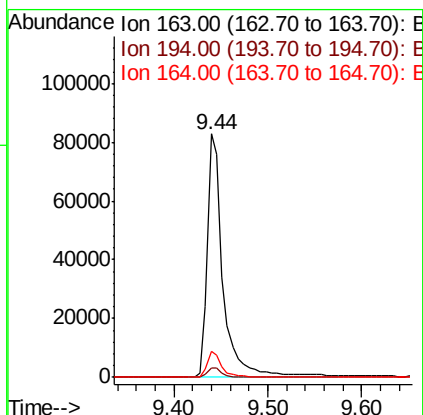
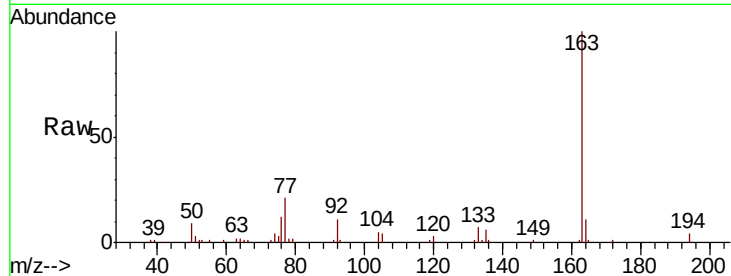




#49
Dimethylphthalate
Concen: 7.981 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.02 min
Lab File: BF109847.D
Acq: 12 Oct 2018 21:23

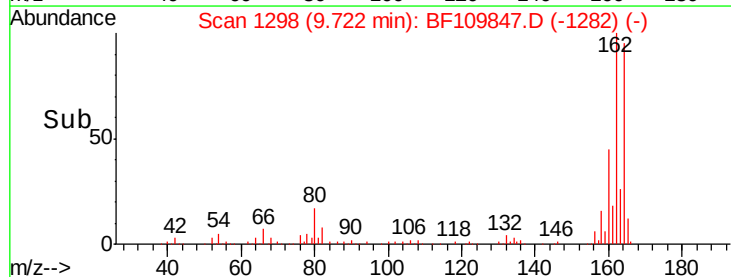
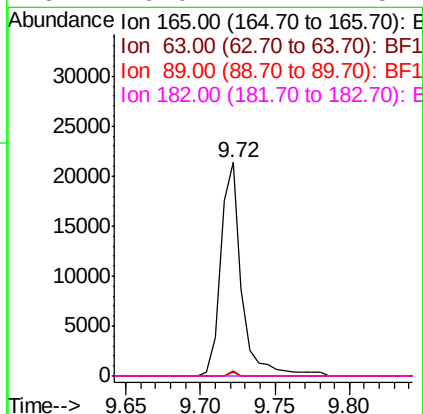
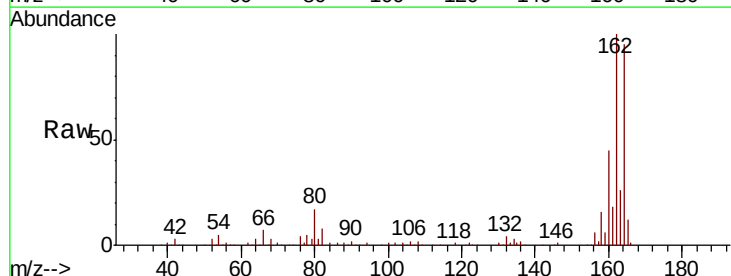
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BNA_F
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FK-GF-02-027-B

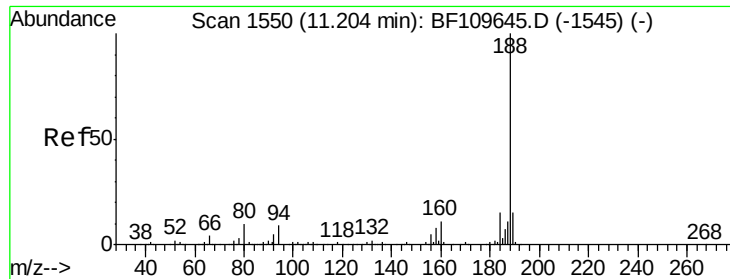
Tgt Ion:163 Resp: 98686
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 10.7 8.1 12.1



#56
2,4-Dinitrotoluene
Concen: 6.270 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.21 min
Lab File: BF109847.D
Acq: 12 Oct 2018 21:23

Tgt Ion:165 Resp: 20972
Ion Ratio Lower Upper
165 100
63 2.2 44.8 67.2#
89 2.0 62.2 93.4#
182 0.0 2.1 3.1#

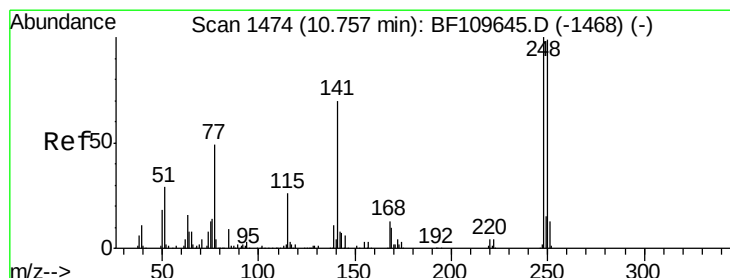
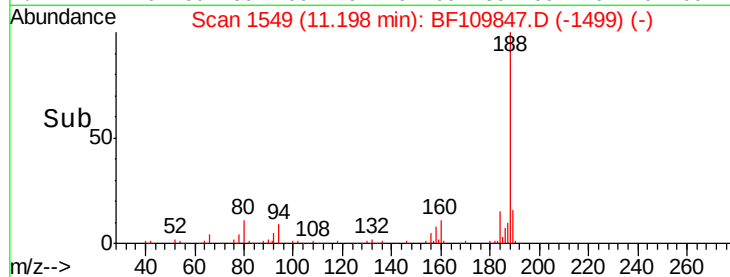
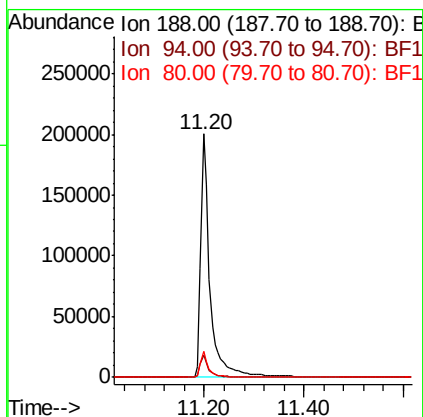
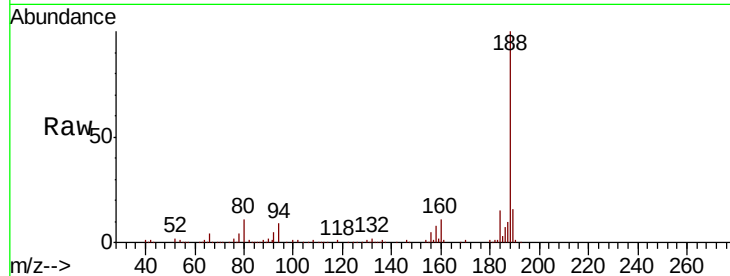




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF109847.D
 Acq: 12 Oct 2018 21:23

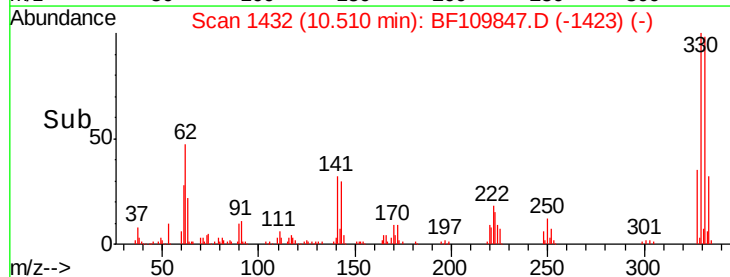
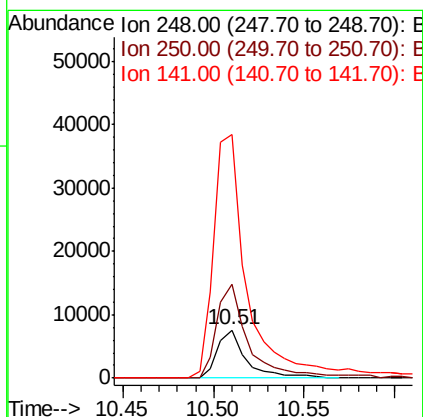
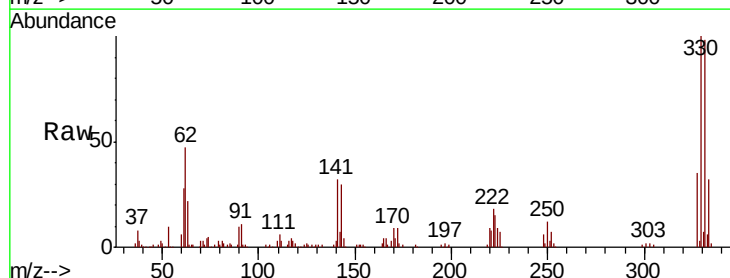
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-027-B

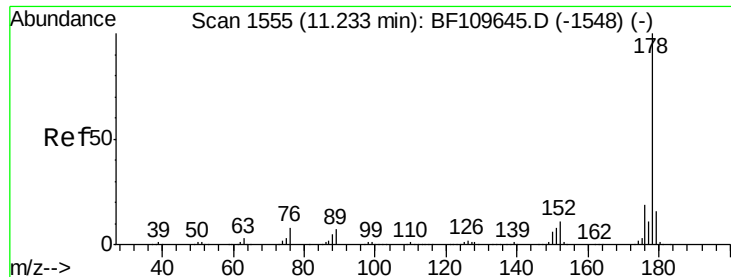
Tgt Ion:188 Resp: 259199
 Ion Ratio Lower Upper
 188 100
 94 9.1 7.2 10.8
 80 10.6 7.9 11.9



#66
 4-Bromophenyl-phenylether
 Concen: 2.879 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.25 min
 Lab File: BF109847.D
 Acq: 12 Oct 2018 21:23

Tgt Ion:248 Resp: 8575
 Ion Ratio Lower Upper
 248 100
 250 193.7 79.4 119.2#
 141 505.3 55.9 83.9#

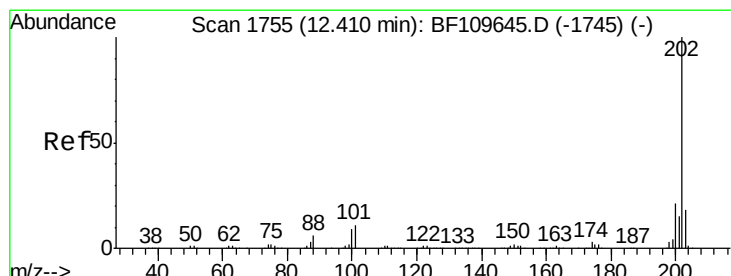
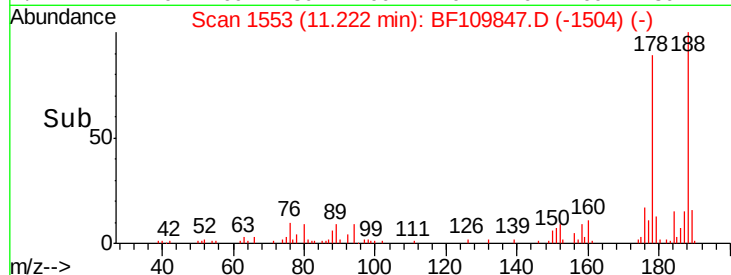
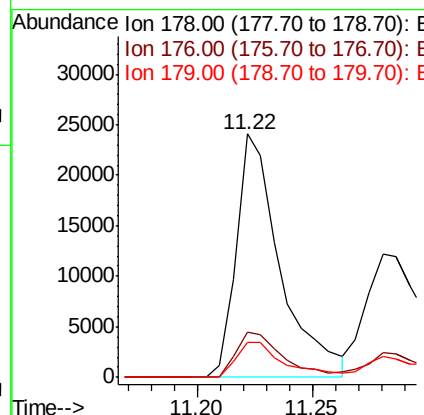
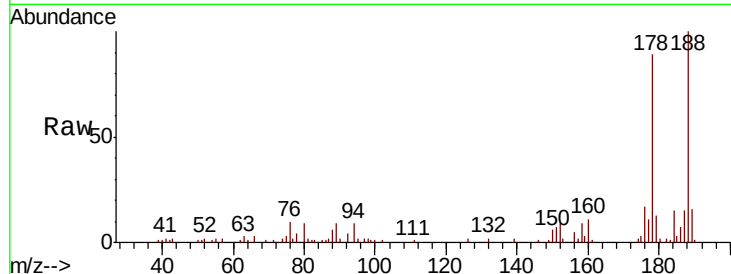




#70
 Phenanthrene
 Concen: 2.473 ng
 RT: 11.22 min Scan# 1553
 Delta R.T. -0.01 min
 Lab File: BF109847.D
 Acq: 12 Oct 2018 21:23

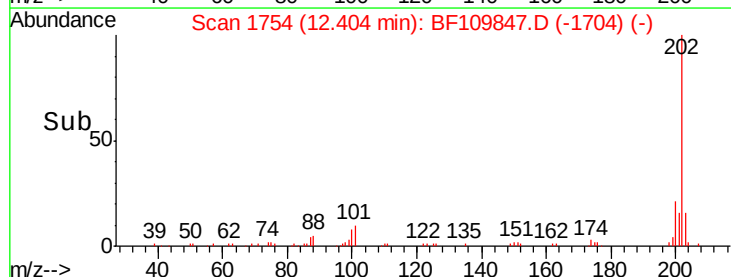
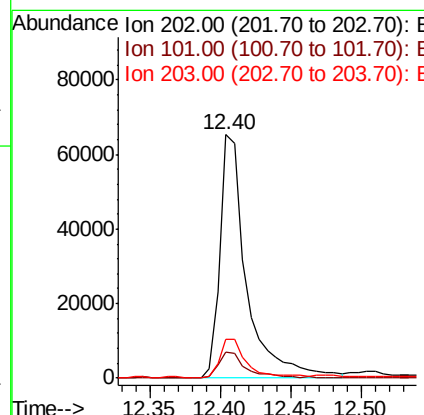
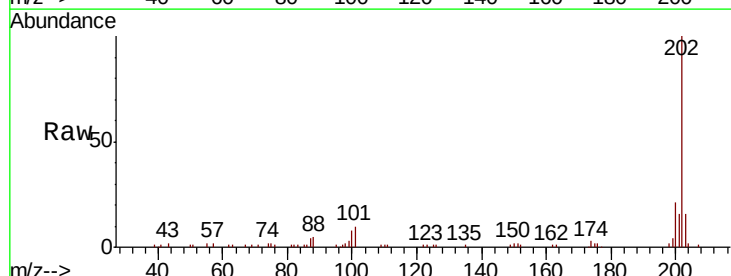
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-027-B

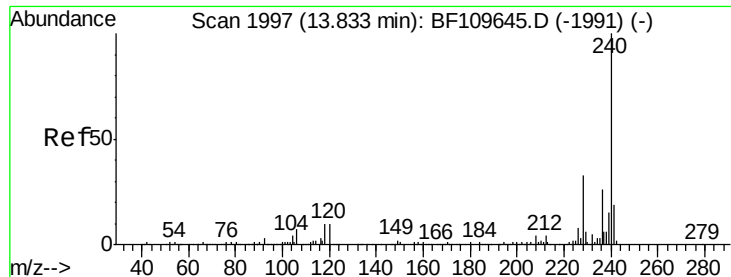
Tgt Ion:178 Resp: 32076
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.5 23.3
 179 14.3 12.5 18.7



#74
 Fluoranthene
 Concen: 6.366 ng
 RT: 12.40 min Scan# 1754
 Delta R.T. -0.01 min
 Lab File: BF109847.D
 Acq: 12 Oct 2018 21:23

Tgt Ion:202 Resp: 86260
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 31.4
 203 15.9 0.0 37.7





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109847.D

Acq: 12 Oct 2018 21:23

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-027-B

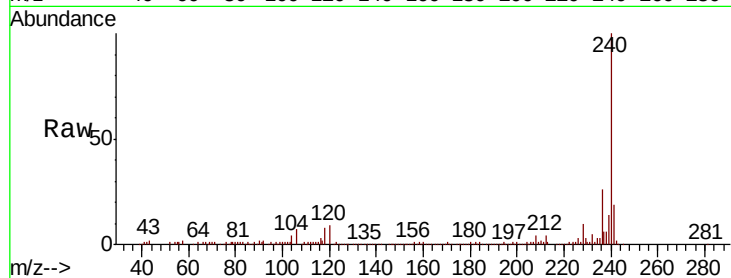
Tgt Ion:240 Resp: 200156

Ion Ratio Lower Upper

240 100

120 9.5 8.3 12.5

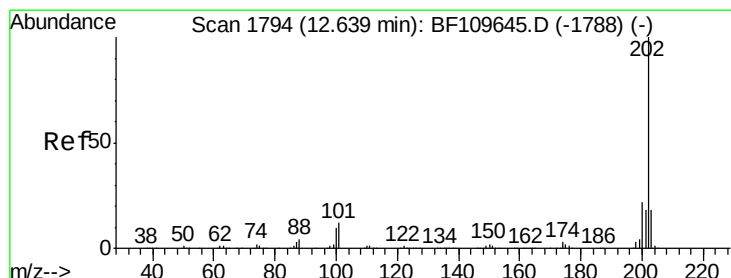
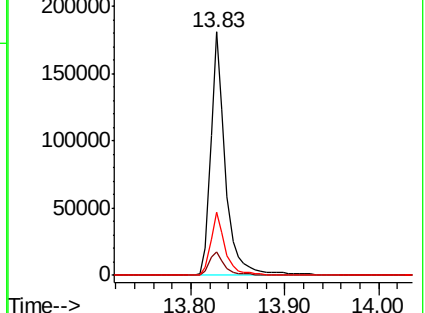
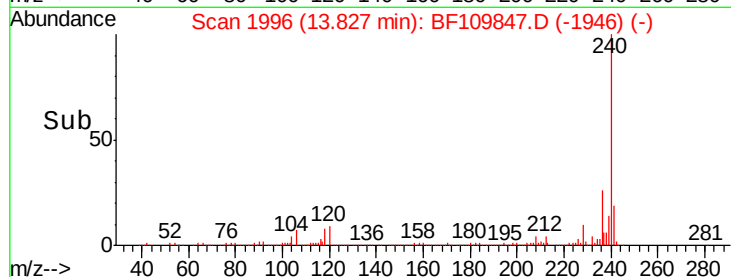
236 25.9 21.2 31.8



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



#77

Pyrene

Concen: 5.353 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF109847.D

Acq: 12 Oct 2018 21:23

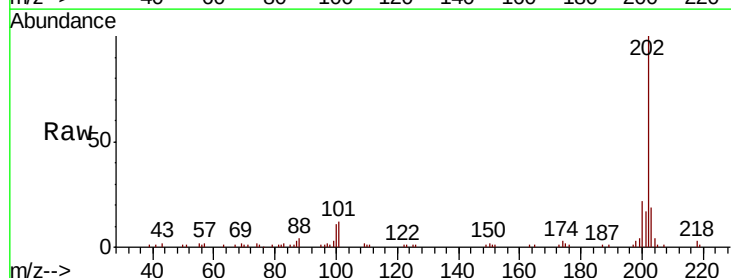
Tgt Ion:202 Resp: 78502

Ion Ratio Lower Upper

202 100

200 21.6 17.8 26.6

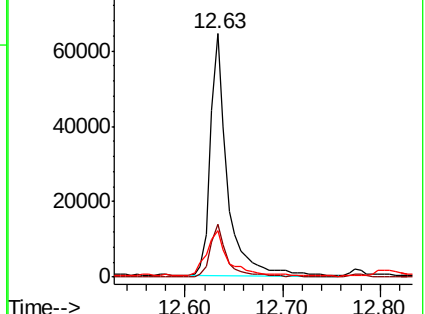
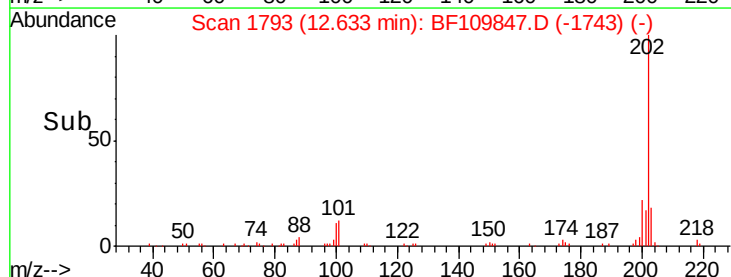
203 18.9 14.2 21.4

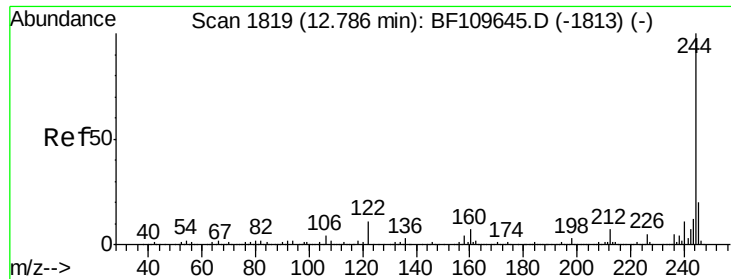


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

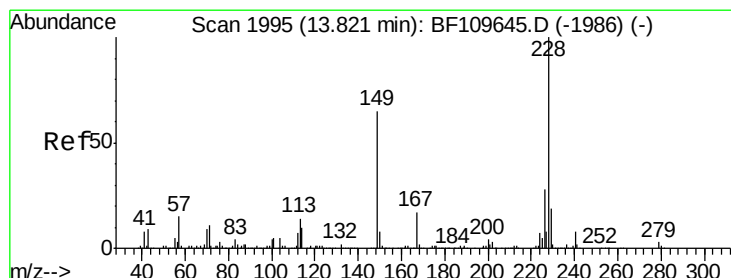
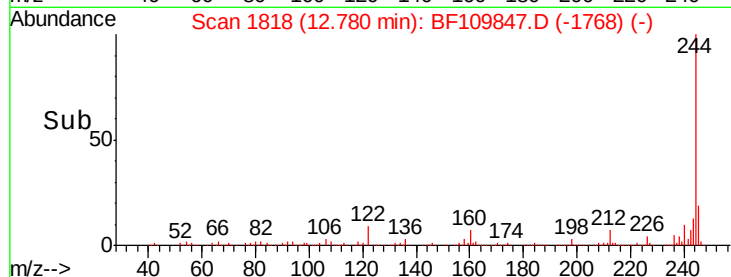
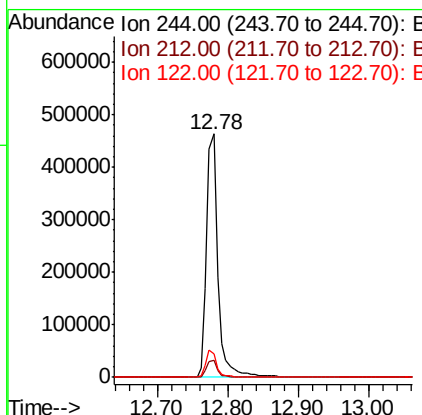
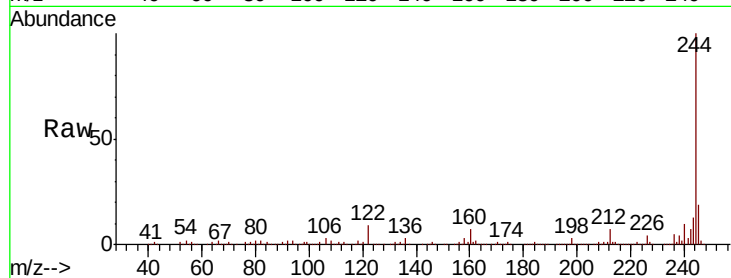




#78
 Terphenyl-d14
 Concen: 50.449 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BF109847.D
 Acq: 12 Oct 2018 21:23

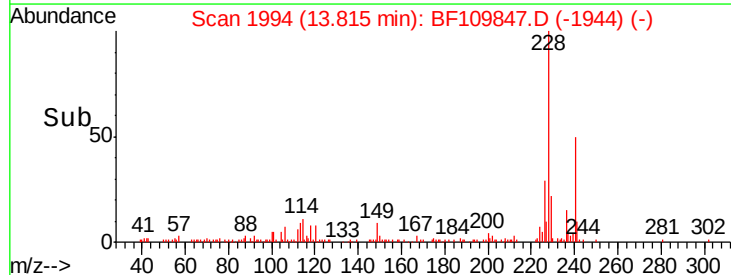
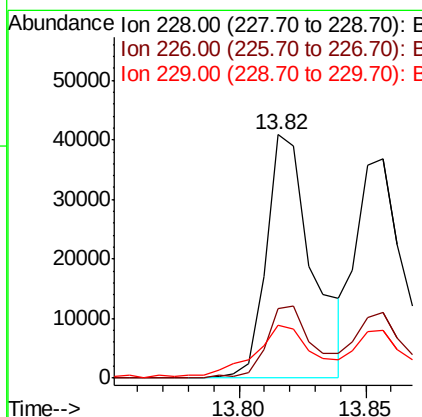
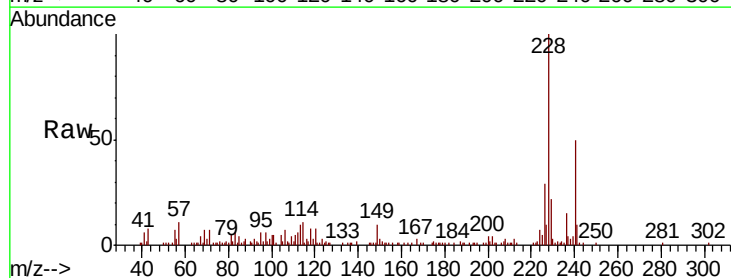
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-027-B

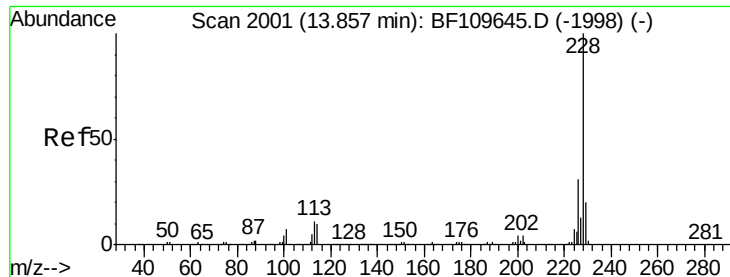
Tgt Ion:244 Resp: 521615
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.8
 122 9.5 8.7 13.1



#80
 Benzo(a)anthracene
 Concen: 4.689 ng
 RT: 13.82 min Scan# 1994
 Delta R.T. -0.01 min
 Lab File: BF109847.D
 Acq: 12 Oct 2018 21:23

Tgt Ion:228 Resp: 51793
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.1 33.1
 229 21.8 15.6 23.4





#82

Chrysene

Concen: 4.413 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.00 min

Lab File: BF109847.D

Acq: 12 Oct 2018 21:23

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-027-B

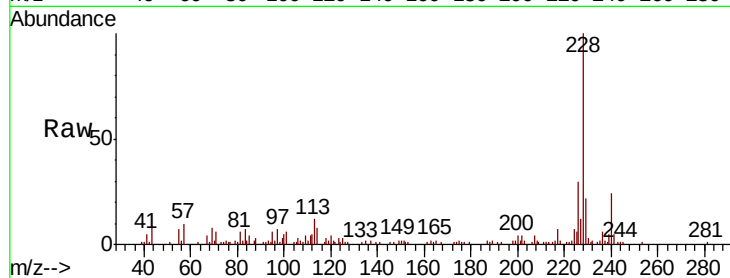
Tgt Ion:228 Resp: 51196

Ion Ratio Lower Upper

228 100

226 30.0 24.7 37.1

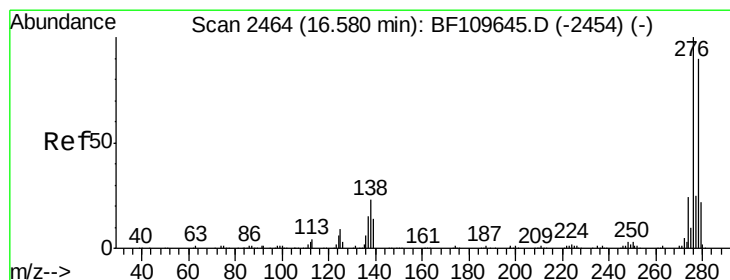
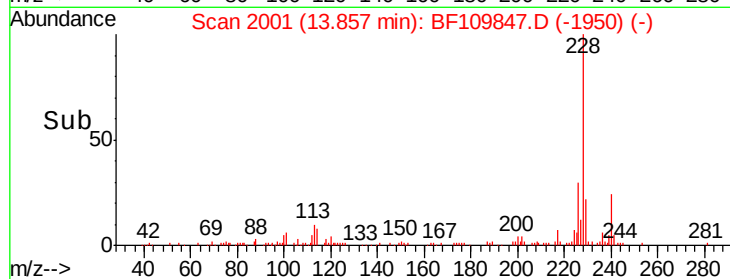
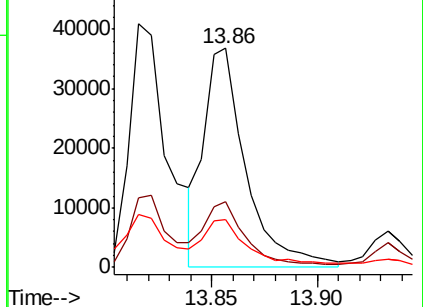
229 21.7 15.9 23.9



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.605 ng

RT: 16.59 min Scan# 2465

Delta R.T. 0.01 min

Lab File: BF109847.D

Acq: 12 Oct 2018 21:23

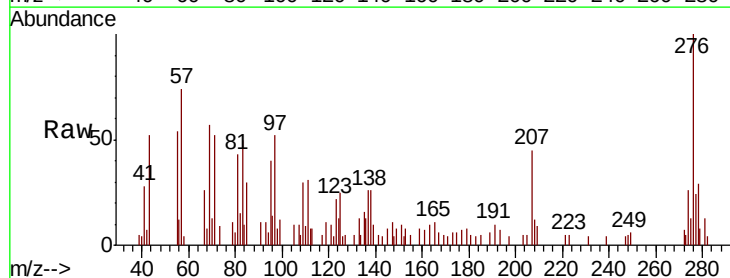
Tgt Ion:276 Resp: 21633

Ion Ratio Lower Upper

276 100

138 20.6 18.5 27.7

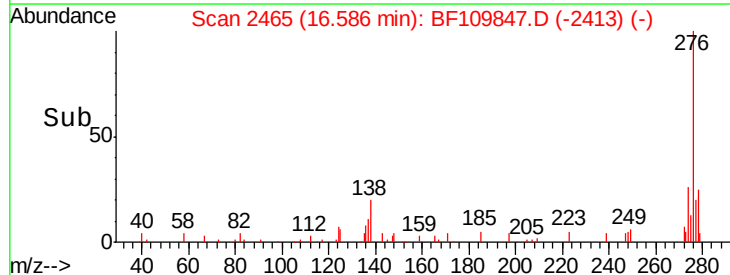
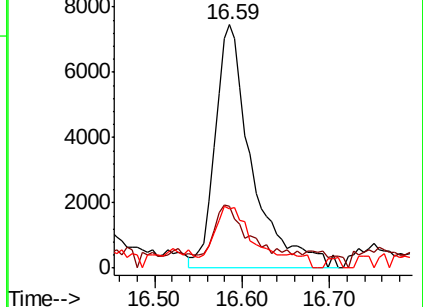
277 29.7 20.0 30.0

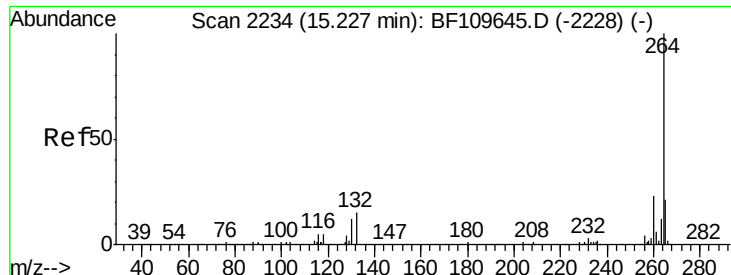


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



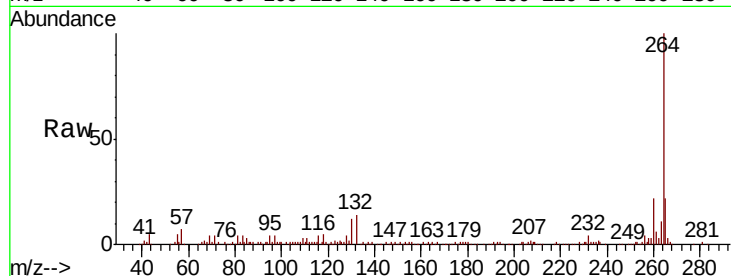


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.00 min
Lab File: BF109847.D
Acq: 12 Oct 2018 21:23

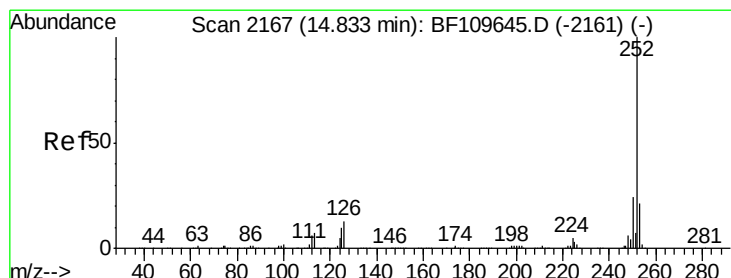
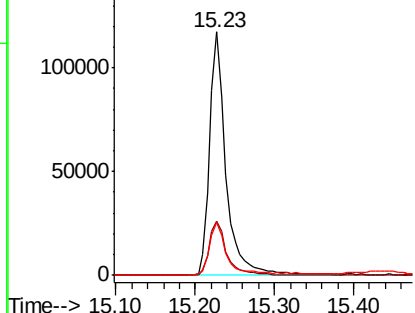
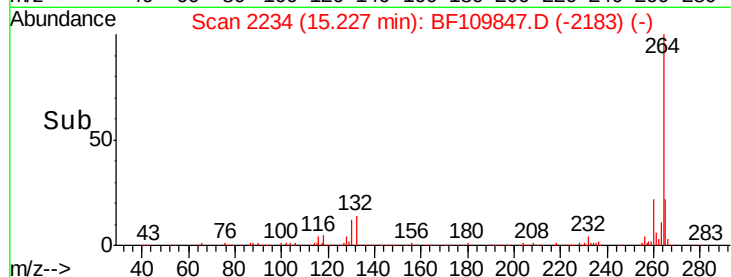
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-027-B

Tgt Ion:264 Resp: 169508

Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.7	28.1
265	21.5	16.7	25.1



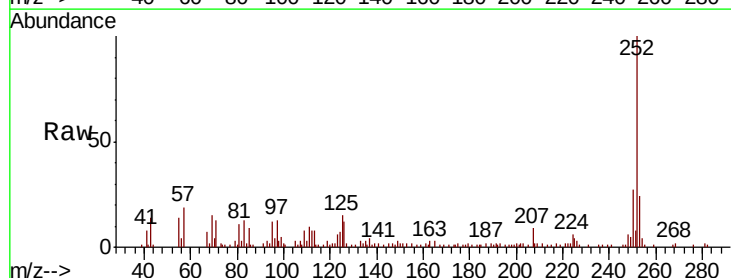
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



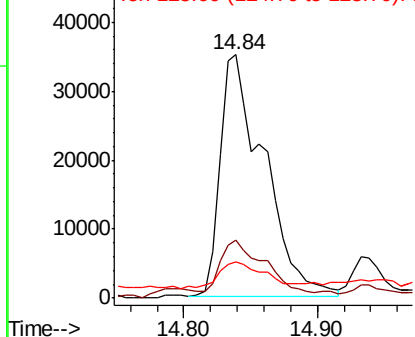
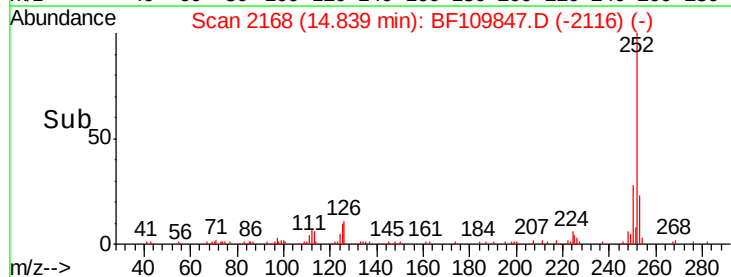
#87
Benzo(b)fluoranthene
Concen: 8.537 ng
RT: 14.84 min Scan# 2168
Delta R.T. 0.01 min
Lab File: BF109847.D
Acq: 12 Oct 2018 21:23

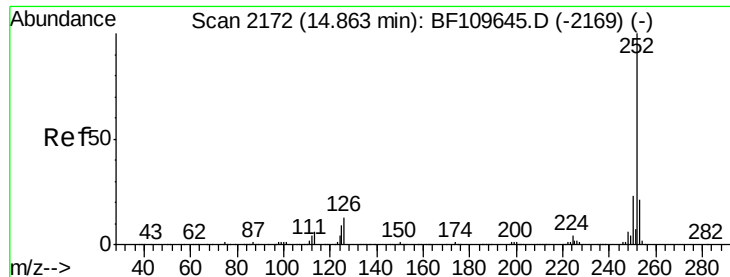
Tgt Ion:252 Resp: 79971

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.2	25.8
125	15.0	8.2	12.4



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

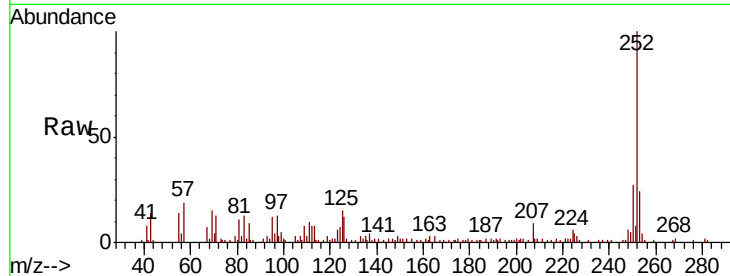




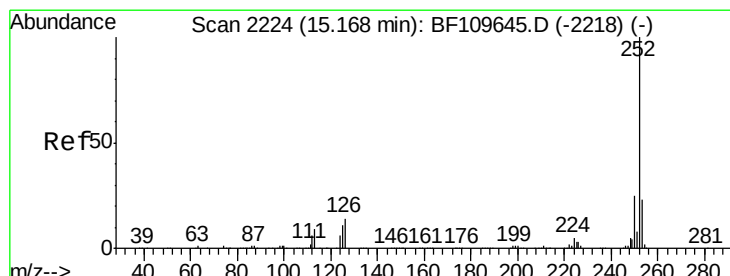
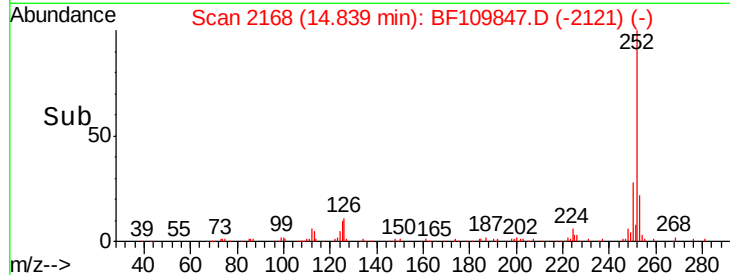
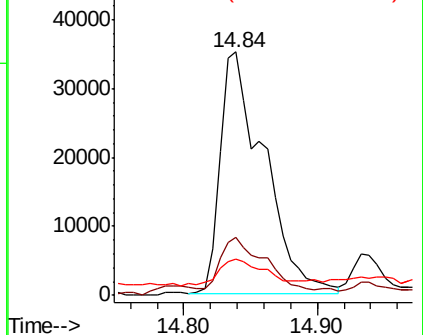
#88
Benzo(k)fluoranthene
Concen: 8.497 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.02 min
Lab File: BF109847.D
Acq: 12 Oct 2018 21:23

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-027-B

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.2	25.8
125	15.0	7.4	11.0

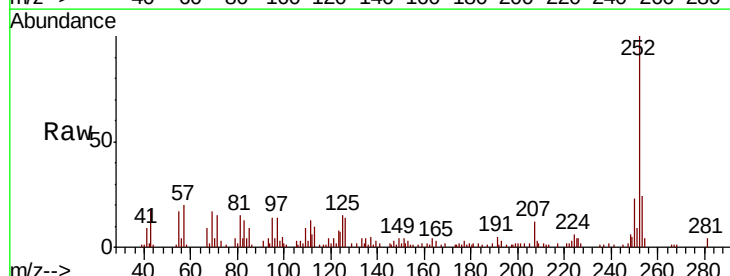


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

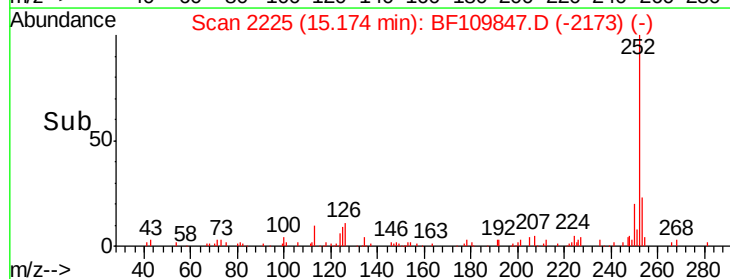
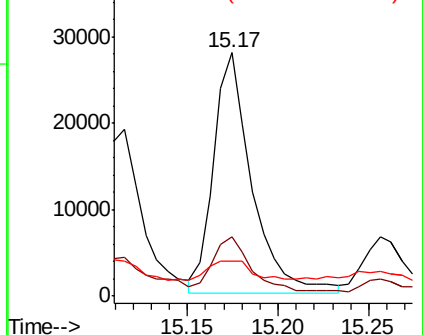


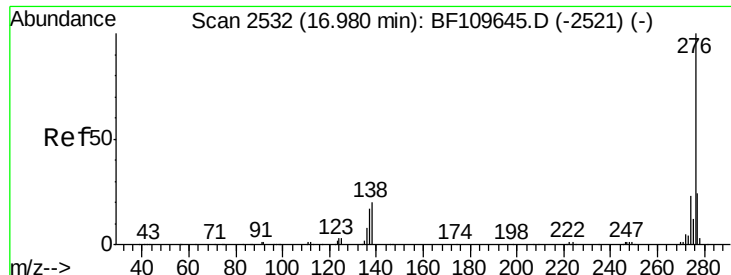
#89
Benzo(a)pyrene
Concen: 4.810 ng
RT: 15.17 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF109847.D
Acq: 12 Oct 2018 21:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.2	27.4
125	14.6	9.0	13.6



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





#91

Benzo(g,h,i)perylene

Concen: 2.576 ng

RT: 16.99 min Scan# 2533

Delta R.T. 0.01 min

Lab File: BF109847.D

Acq: 12 Oct 2018 21:23

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-027-B

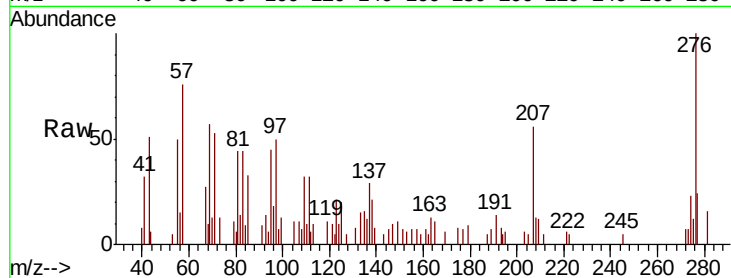
Tgt Ion: 276 Resp: 17960

Ion Ratio Lower Upper

276 100

277 24.3 18.8 28.2

138 20.6 16.0 24.0



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

