

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
 Data File : BF109100.D
 Acq On : 18 Sep 2018 17:20
 Operator : JU/SJ
 Sample : J4936-35 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 18 17:58:37 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	117757	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	418108	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	164169	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	251914	20.00	ng	0.00
75) Chrysene-d12	13.88	240	259140	20.00	ng	0.02
86) Perylene-d12	15.28	264	318560	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	98034	13.83	ng	0.00
7) Phenol-d6	6.35	99	121670	13.31	ng	-0.01
23) Nitrobenzene-d5	7.28	82	74055	9.93	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	20510	11.51	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	118750	11.33	ng	0.00
78) Terphenyl-d14	12.82	244	88265	8.07	ng	0.01

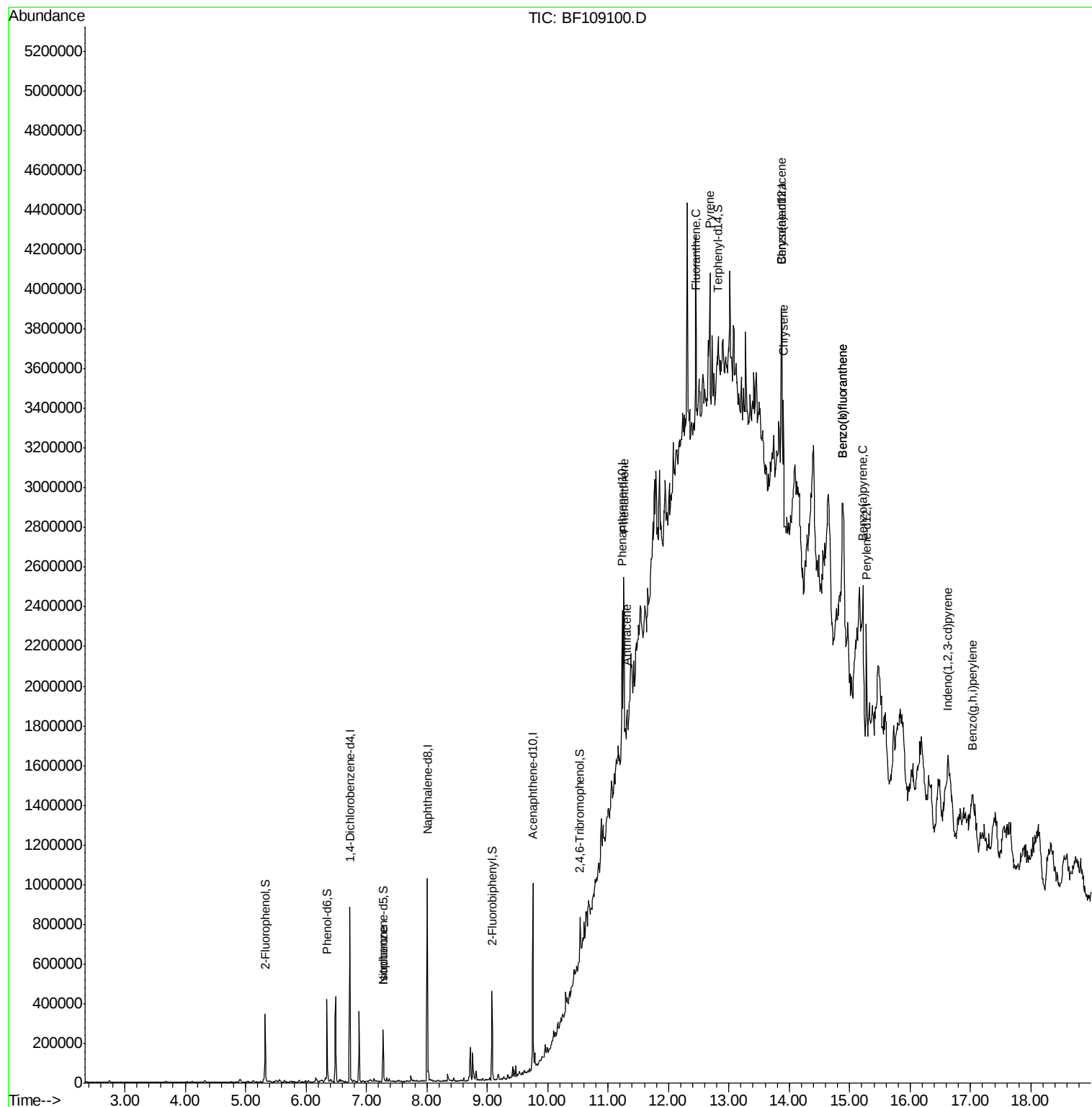
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.28	82	71645	5.591	ng	# 64
70) Phenanthrene	11.26	178	279863	22.663	ng	97
71) Anthracene	11.31	178	57099	4.561	ng	# 87
74) Fluoranthene	12.45	202	368380	28.257	ng	95
77) Pyrene	12.68	202	349060	18.134	ng	98
80) Benzo(a)anthracene	13.87	228	235374	15.002	ng	97
82) Chrysene	13.90	228	218113	13.895	ng	97
85) Indeno(1,2,3-cd)pyrene	16.62	276	83661	6.666	ng	# 92
87) Benzo(b)fluoranthene	14.88	252	334373	18.973	ng	# 80
88) Benzo(k)fluoranthene	14.88	252	334373	20.314	ng	# 82
89) Benzo(a)pyrene	15.22	252	169334	10.819	ng	# 78
91) Benzo(a,h,i)perylene	17.03	276	61756	4.698	ng	# 89

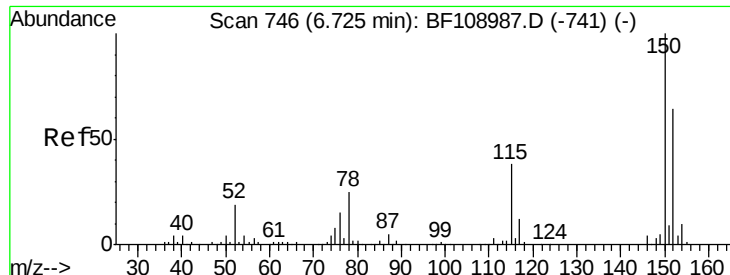
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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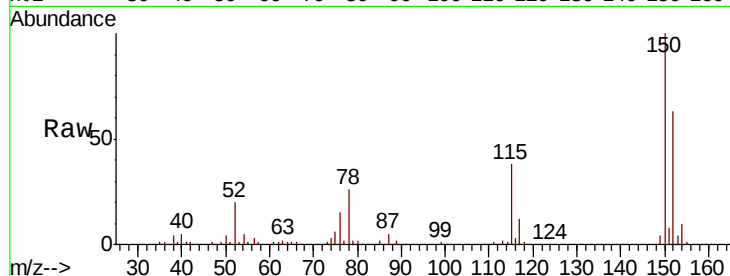


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 746
Delta R.T. -0.00 min
Lab File: BF109100.D
Acq: 18 Sep 2018 17:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.6	186.8
115	60.0	50.1	75.1

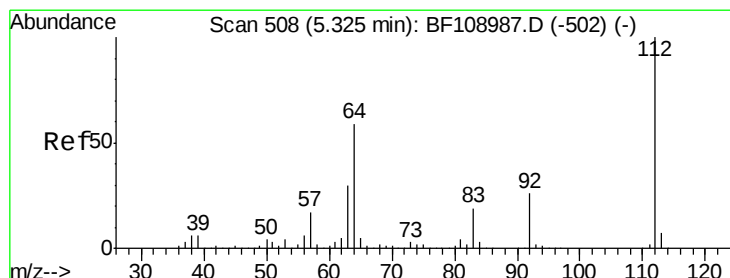
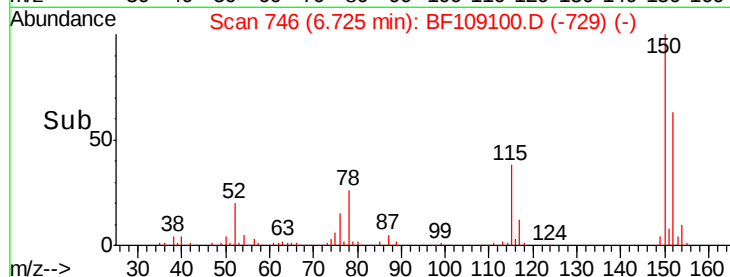
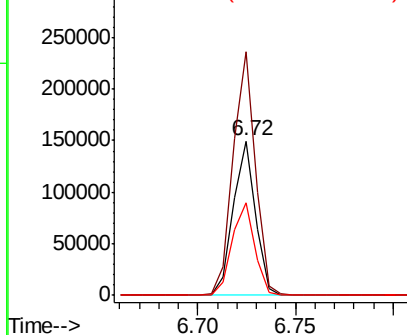


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

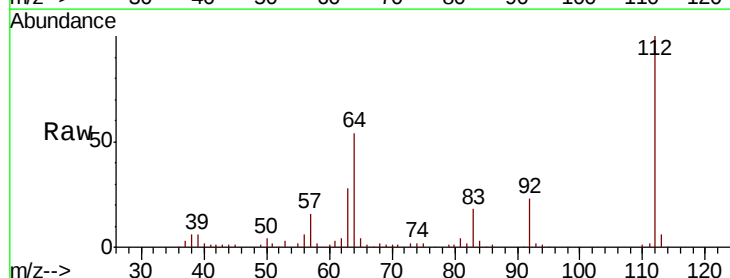
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 13.827 ng
RT: 5.32 min Scan# 508
Delta R.T. 0.00 min
Lab File: BF109100.D
Acq: 18 Sep 2018 17:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	47.9	71.9
63	27.9	23.7	35.5

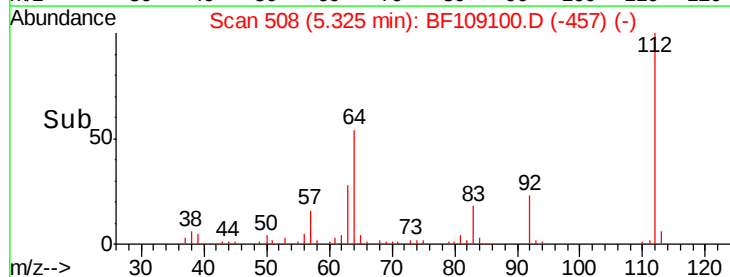
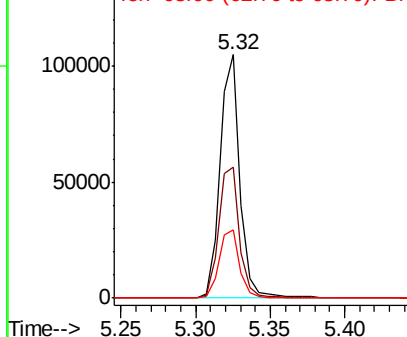


Abundance

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: 13.309 ng

RT: 6.35 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF109100.D

Acq: 18 Sep 2018 17:20

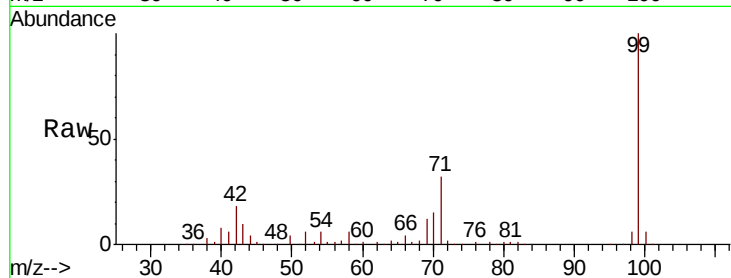
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 121670

Ion	Ratio	Lower	Upper
99	100		
42	17.6	14.5	21.7
71	31.9	25.4	38.0

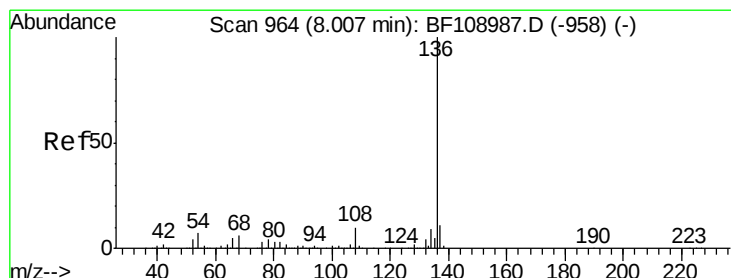
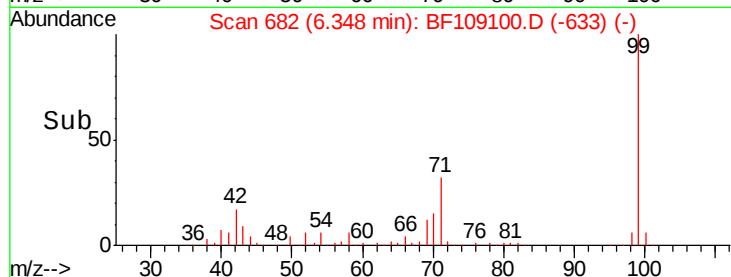
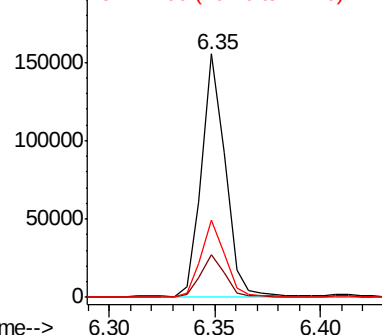


Abundance

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 964

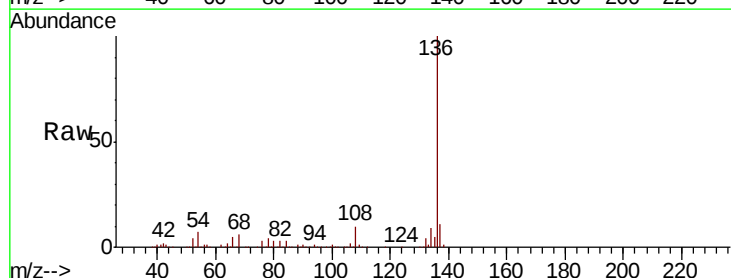
Delta R.T. -0.00 min

Lab File: BF109100.D

Acq: 18 Sep 2018 17:20

Tgt Ion: 136 Resp: 418108

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.9	6.6	9.8
68	5.7	5.0	7.4



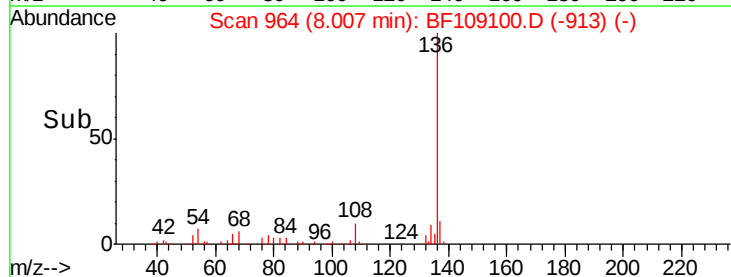
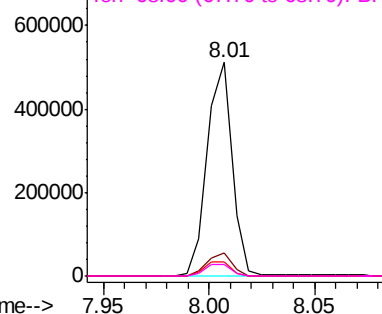
Abundance

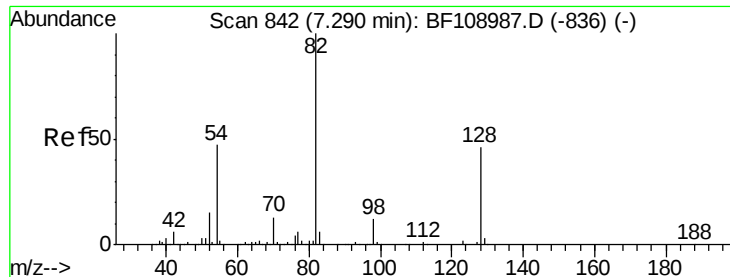
Ion 136.00 (135.70 to 136.70): E

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

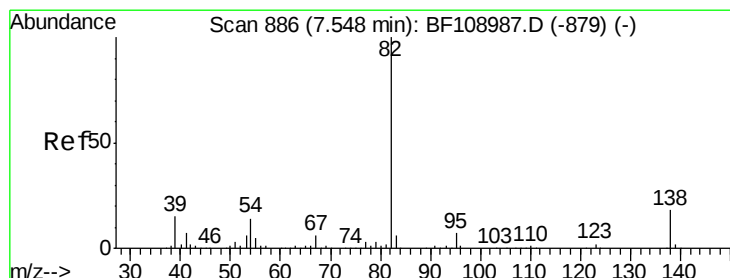
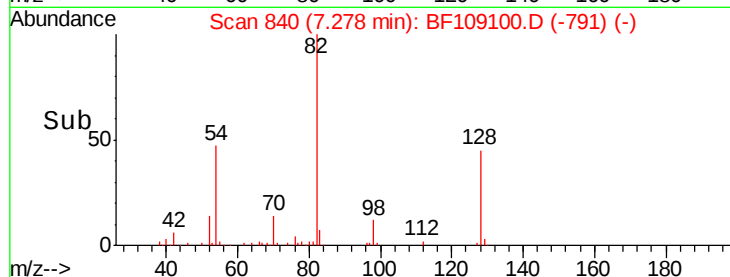
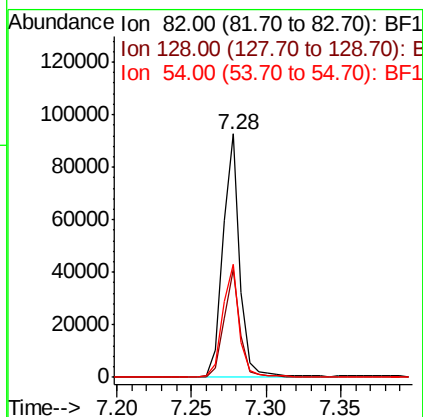
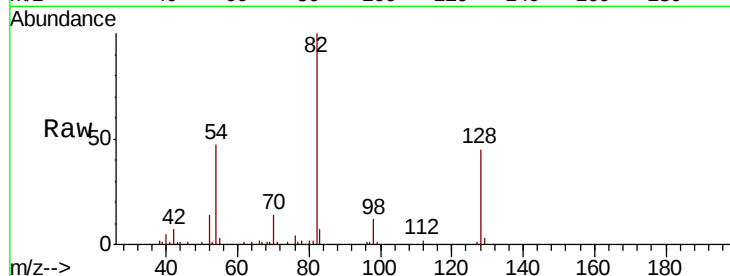




#23
 Nitrobenzene-d5
 Concen: 9.934 ng
 RT: 7.28 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BF109100.D
 Acq: 18 Sep 2018 17:20

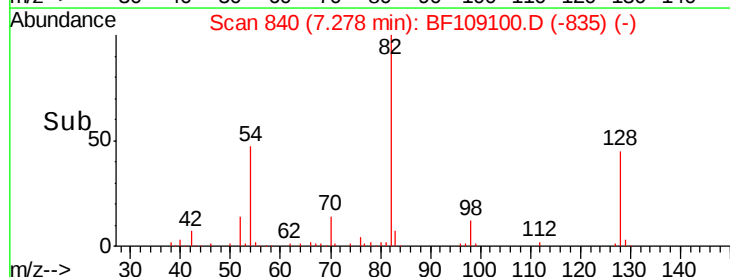
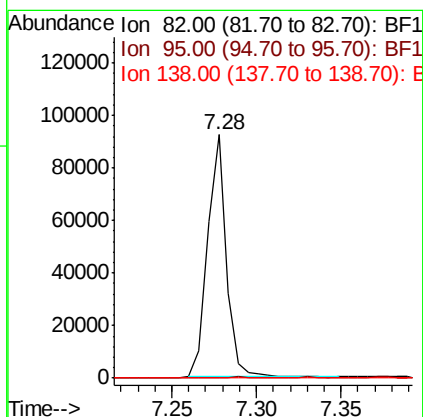
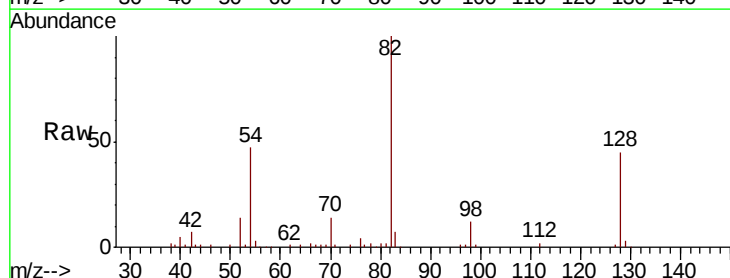
Instrument :
 BNA_F
 ClientSampleId :

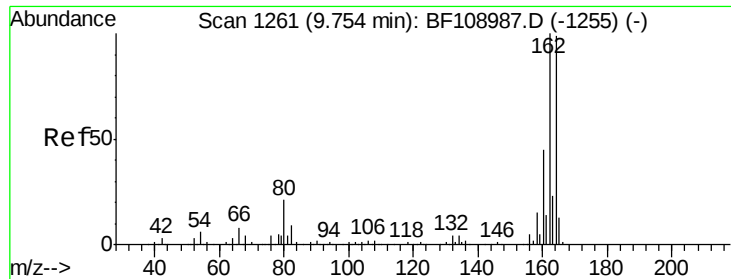
Tot Ion	82	Resp	74055
Ion Ratio	Lower	Upper	
82	100		
128	44.5	36.1	54.1
54	46.6	41.4	62.2



#25
 Isophorone
 Concen: 5.591 ng
 RT: 7.28 min Scan# 840
 Delta R.T. -0.27 min
 Lab File: BF109100.D
 Acq: 18 Sep 2018 17:20

Tgt Ion	82	Resp	71645
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

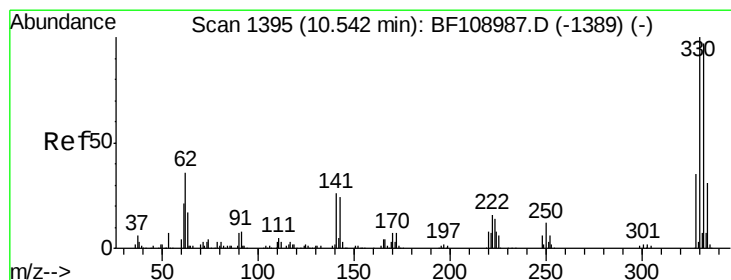
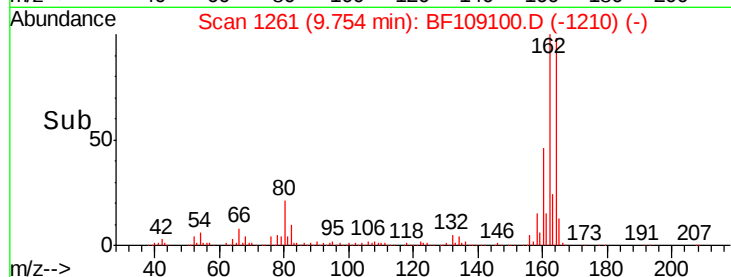
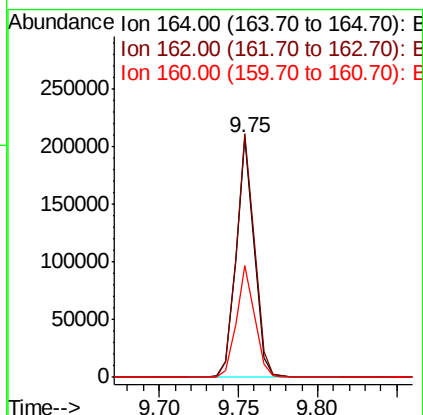
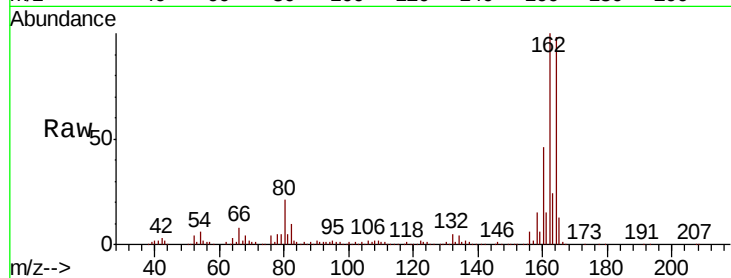




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: BF109100.D
 Acq: 18 Sep 2018 17:20

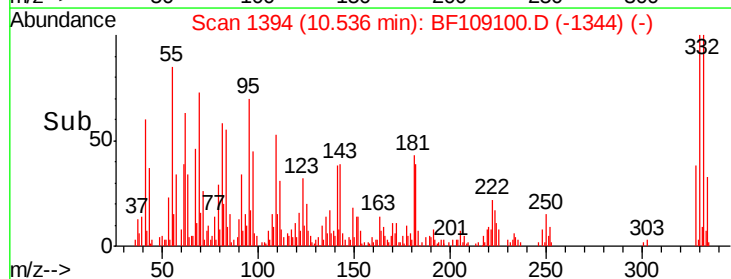
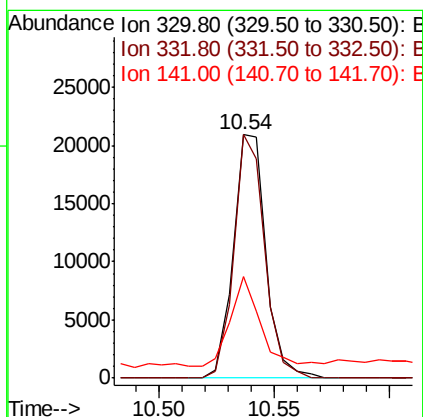
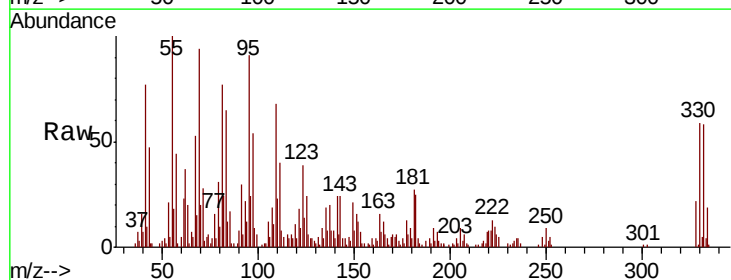
Instrument :
 BNA_F
 ClientSampleId :

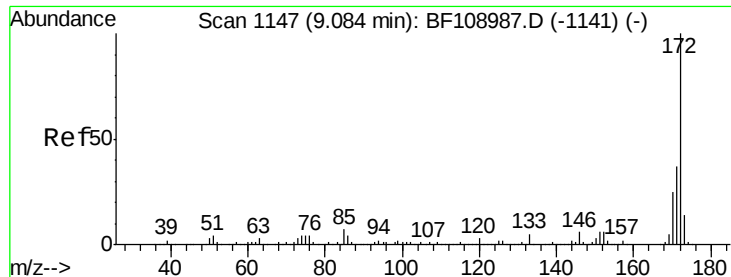
Tot Ion:164 Resp: 164169
 Ion Ratio Lower Upper
 164 100
 162 101.6 86.1 129.1
 160 46.7 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 11.512 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF109100.D
 Acq: 18 Sep 2018 17:20

Tgt Ion:330 Resp: 20510
 Ion Ratio Lower Upper
 330 100
 332 93.9 77.0 115.6
 141 33.7 29.9 44.9

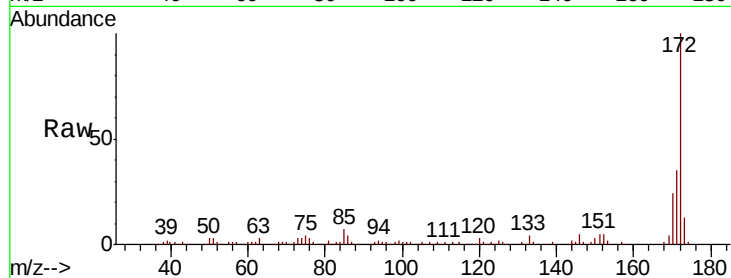




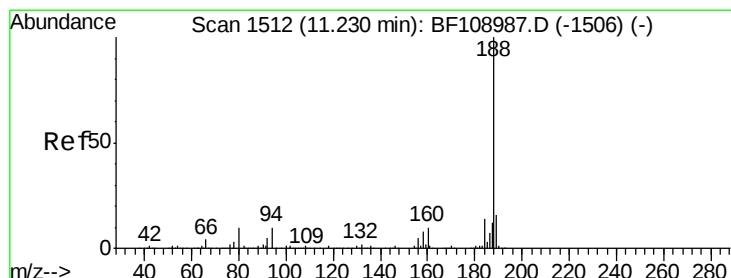
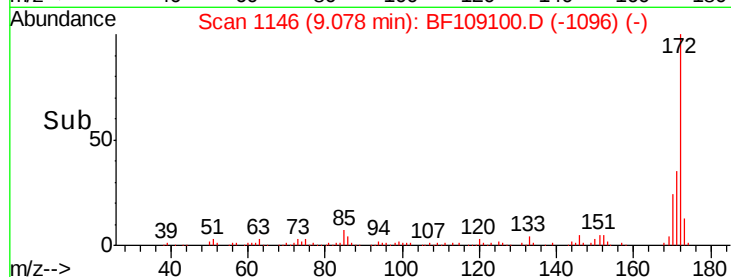
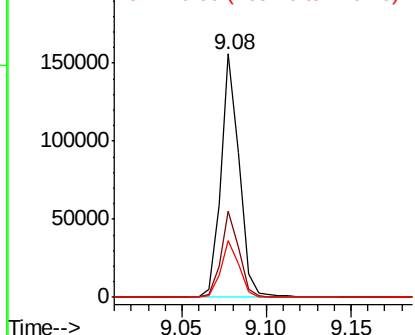
#44
 2-Fluorobiphenyl
 Concen: 11.333 ng
 RT: 9.08 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF109100.D
 Acq: 18 Sep 2018 17:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 118750
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.7 44.5
 170 23.5 19.6 29.4

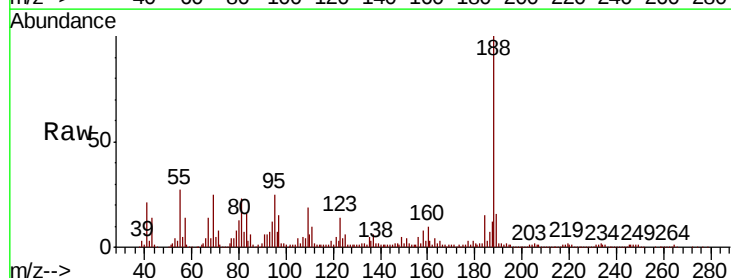


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

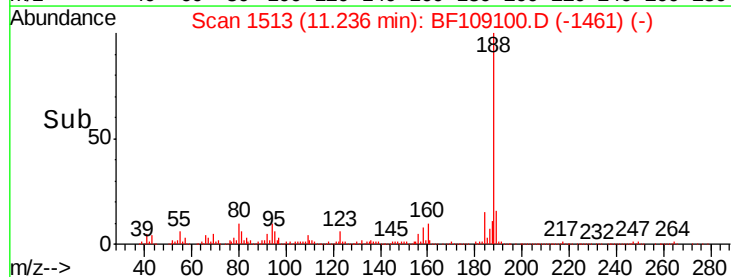
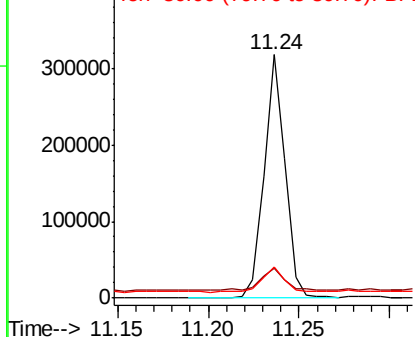


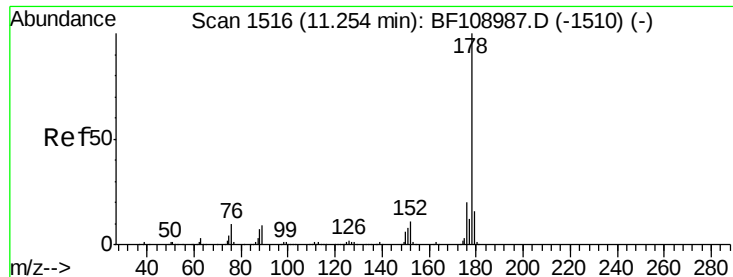
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1513
 Delta R.T. 0.01 min
 Lab File: BF109100.D
 Acq: 18 Sep 2018 17:20

Tgt Ion:188 Resp: 251914
 Ion Ratio Lower Upper
 188 100
 94 12.1 8.5 12.7
 80 12.6 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

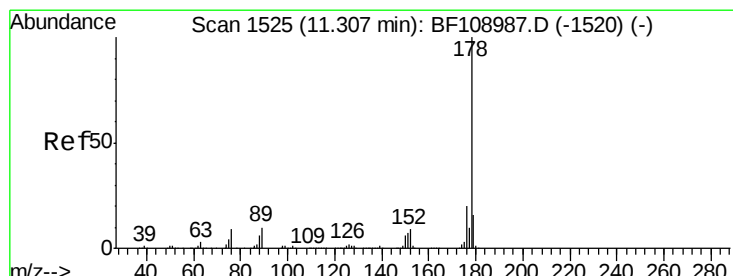
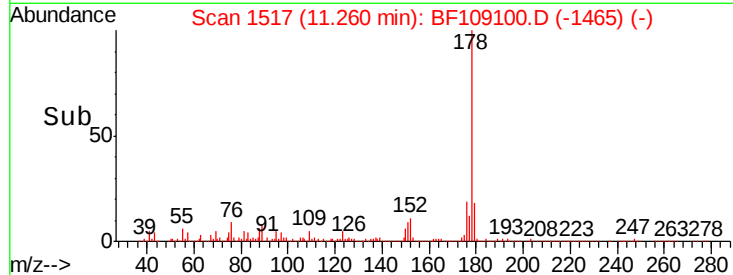
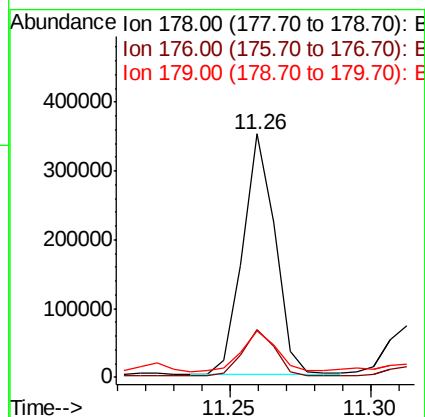
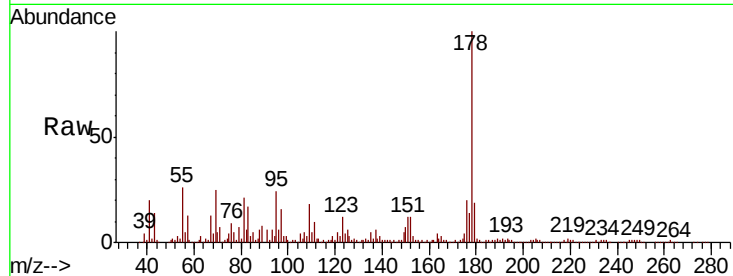




#70
Phenanthrene
Concen: 22.663 ng
RT: 11.26 min Scan# 1517
Delta R.T. 0.01 min
Lab File: BF109100.D
Acq: 18 Sep 2018 17:20

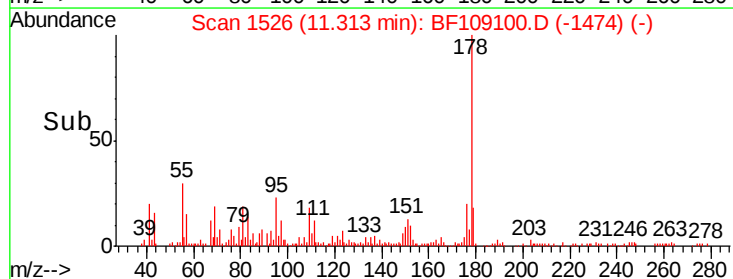
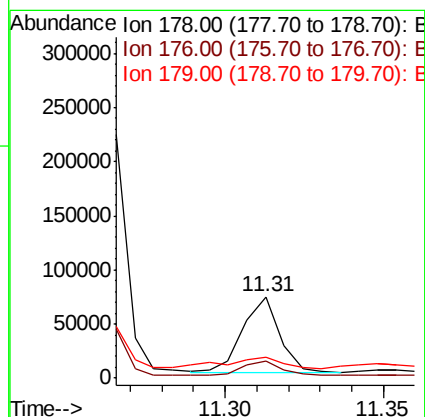
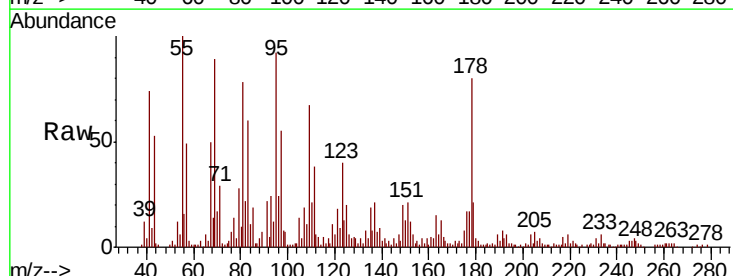
Instrument :
BNA_F
ClientSampleId :

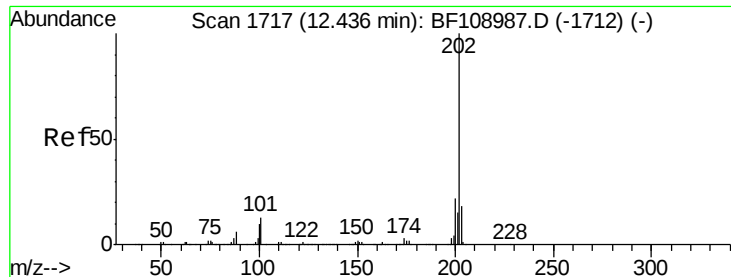
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	19.1	13.0	19.6



#71
Anthracene
Concen: 4.561 ng
RT: 11.31 min Scan# 1526
Delta R.T. 0.01 min
Lab File: BF109100.D
Acq: 18 Sep 2018 17:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.3	15.4	23.2
179	25.6	12.6	19.0





#74

Fluoranthene

Concen: 28.257 ng

RT: 12.45 min Scan# 1720

Delta R.T. 0.02 min

Lab File: BF109100.D

Acq: 18 Sep 2018 17:20

Instrument :

BNA_F

ClientSampleId :

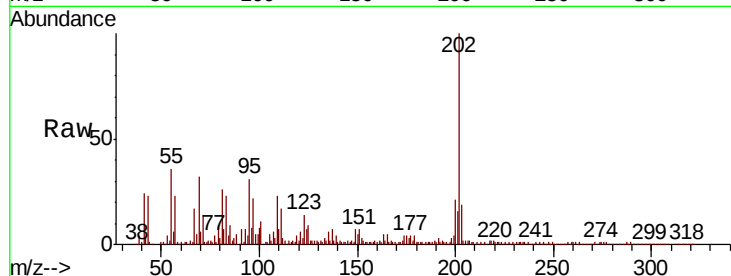
Tot Ion:202 Resp: 368380

Ion Ratio Lower Upper

202 100

101 11.0 0.0 34.1

203 19.3 0.0 38.1

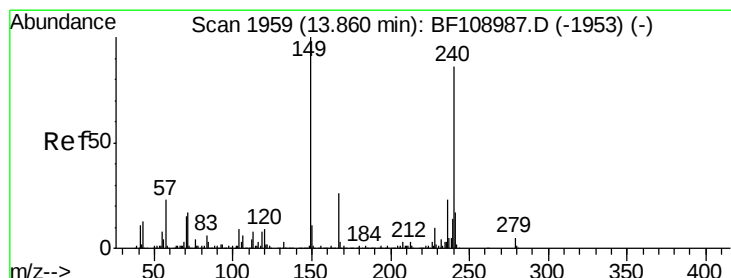
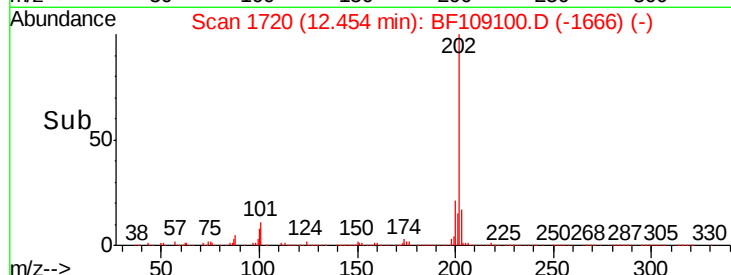
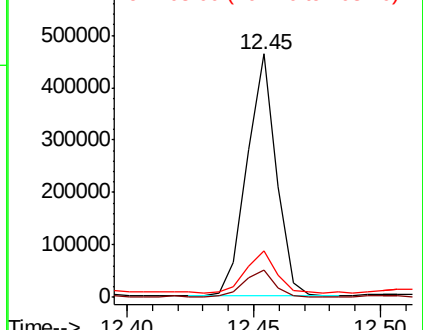


Abundance

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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 1962

Delta R.T. 0.02 min

Lab File: BF109100.D

Acq: 18 Sep 2018 17:20

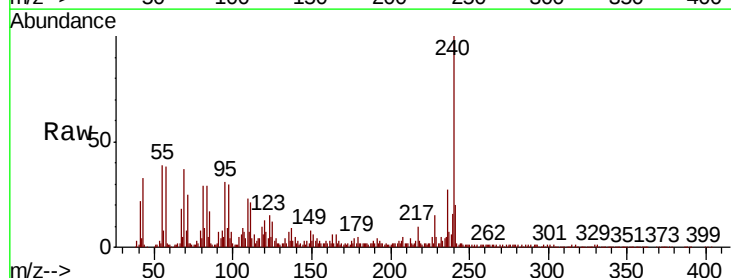
Tgt Ion:240 Resp: 259140

Ion Ratio Lower Upper

240 100

120 12.8 9.5 14.3

236 27.1 20.7 31.1

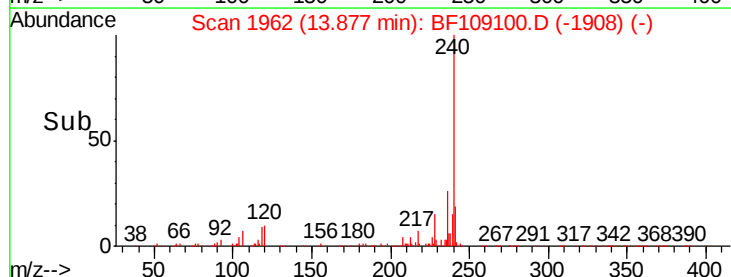
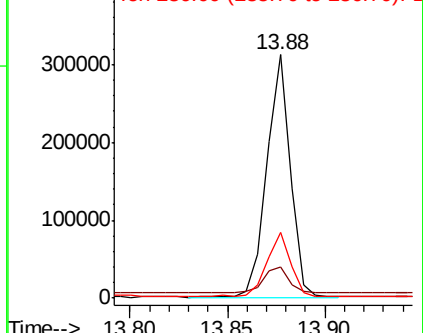


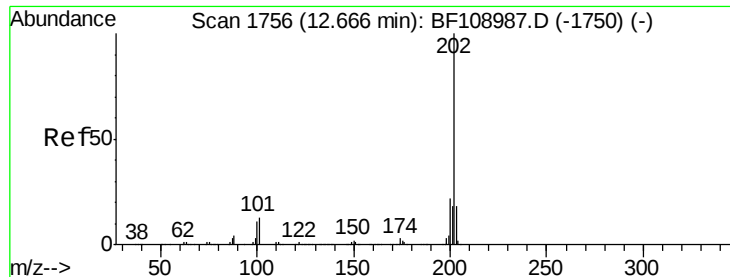
Abundance

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





#77

Pvrene

Concen: 18.134 ng

RT: 12.68 min Scan# 1759

Delta R.T. 0.02 min

Lab File: BF109100.D

Acq: 18 Sep 2018 17:20

Instrument :

BNA_F

ClientSampleId :

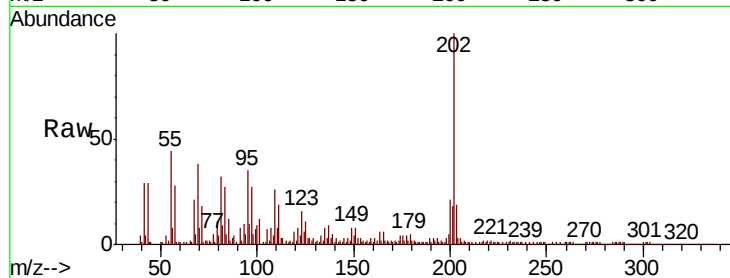
Tot Ion:202 Resp: 349060

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

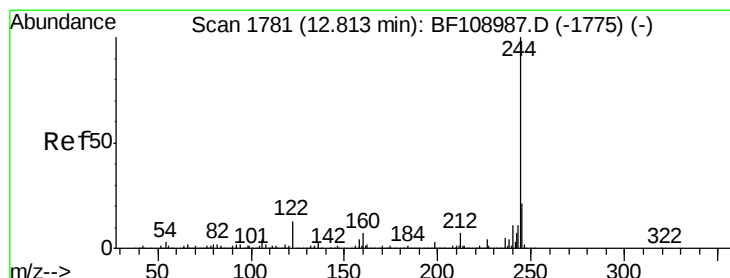
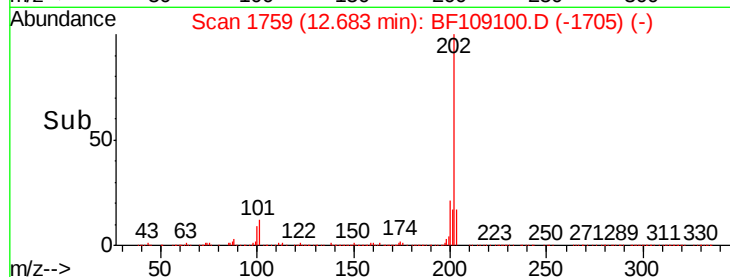
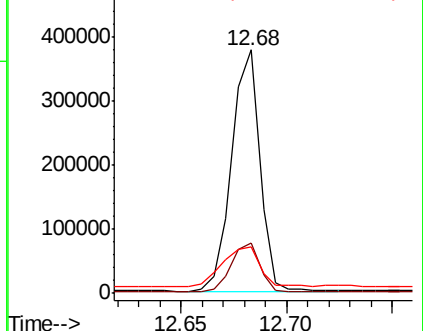
203 19.0 14.3 21.5



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: 8.073 ng

RT: 12.82 min Scan# 1783

Delta R.T. 0.01 min

Lab File: BF109100.D

Acq: 18 Sep 2018 17:20

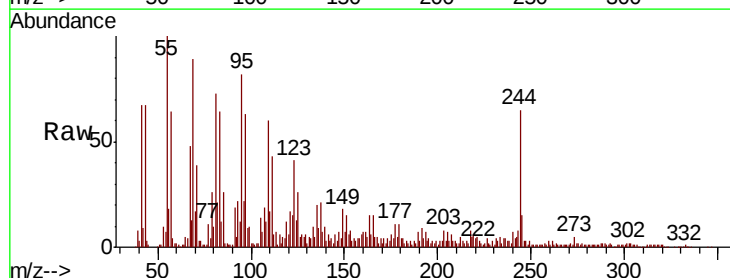
Tgt Ion:244 Resp: 88265

Ion Ratio Lower Upper

244 100

212 8.3 5.4 8.0#

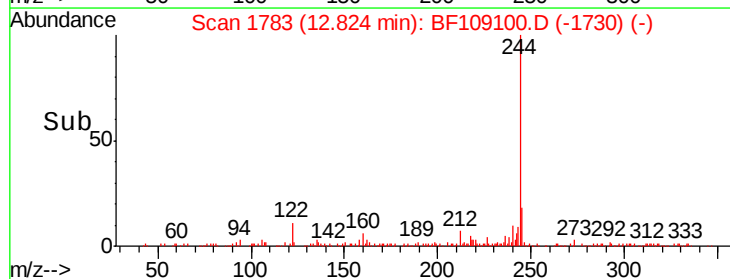
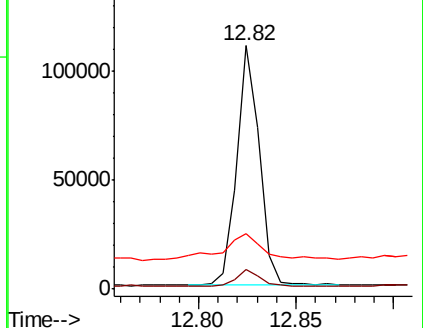
122 23.0 11.0 16.4#

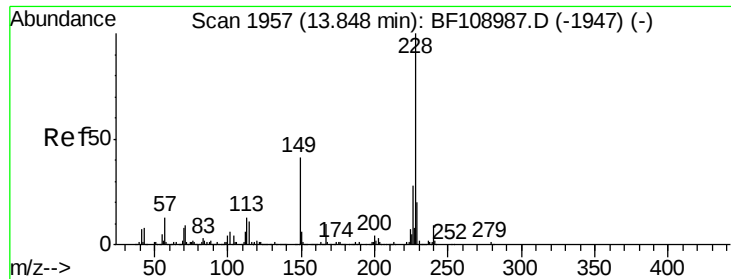


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

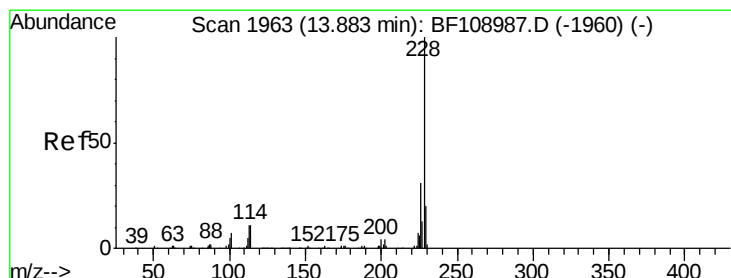
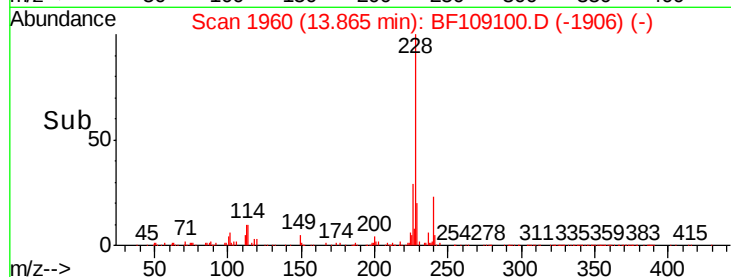
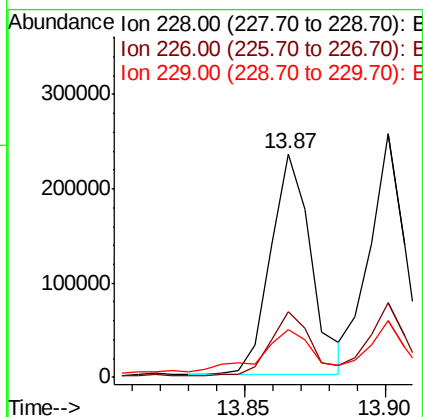
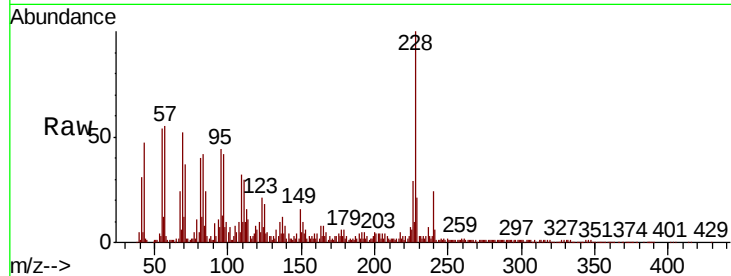




#80
Benzo(a)anthracene
Concen: 15.002 ng
RT: 13.87 min Scan# 1960
Delta R.T. 0.02 min
Lab File: BF109100.D
Acq: 18 Sep 2018 17:20

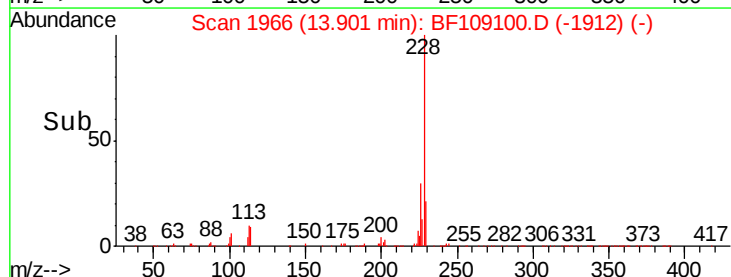
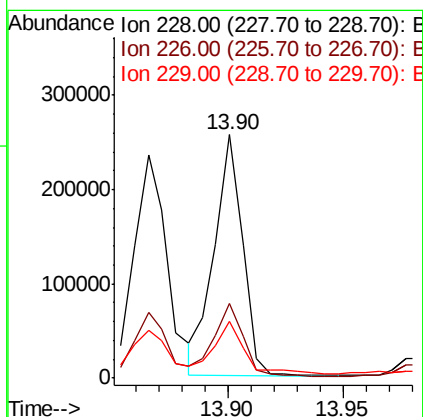
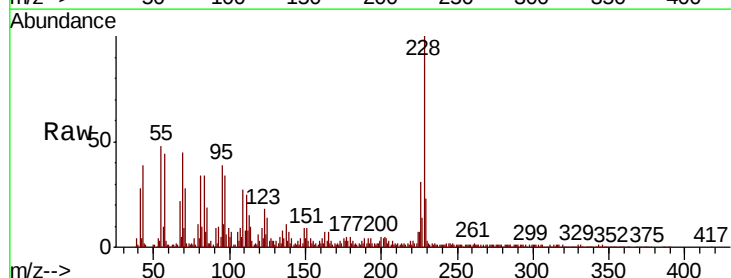
Instrument :
BNA_F
ClientSampleId :

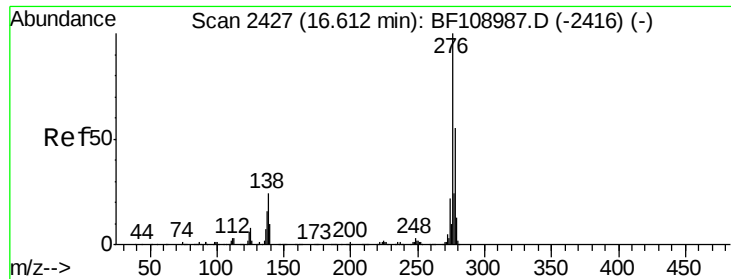
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	33.8
229	21.4	15.8	23.6



#82
Chrysene
Concen: 13.895 ng
RT: 13.90 min Scan# 1966
Delta R.T. 0.02 min
Lab File: BF109100.D
Acq: 18 Sep 2018 17:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	23.3	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 6.666 ng

RT: 16.62 min Scan# 2429

Delta R.T. 0.01 min

Lab File: BF109100.D

Acq: 18 Sep 2018 17:20

Instrument :

BNA_F

ClientSampleId :

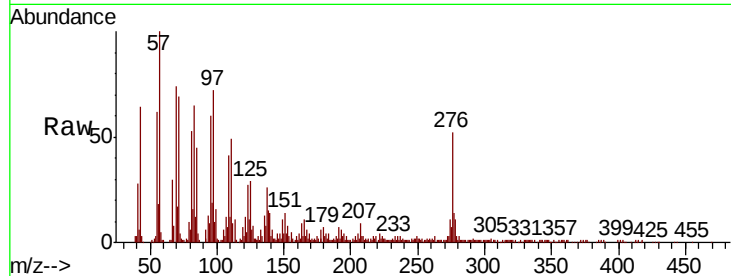
Tot Ion:276 Resp: 83661

Ion Ratio Lower Upper

276 100

138 23.5 25.0 37.6#

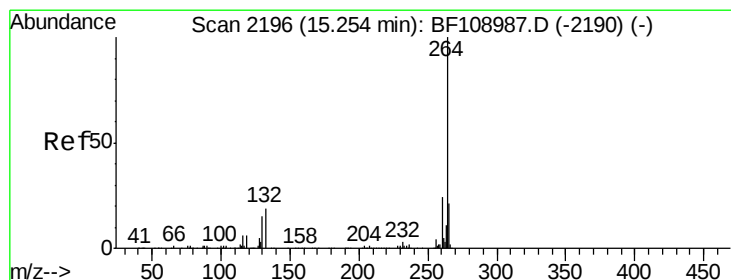
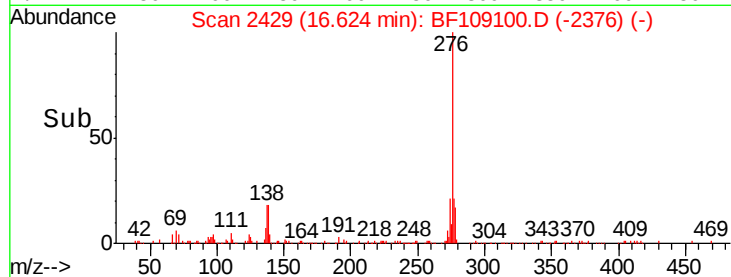
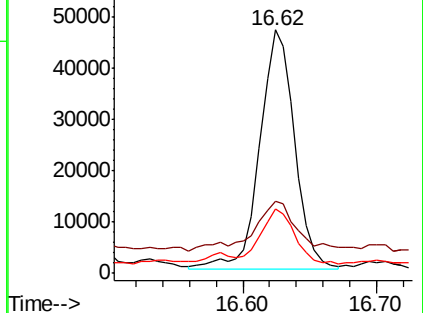
277 25.1 20.1 30.1



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: 15.28 min Scan# 2200

Delta R.T. 0.02 min

Lab File: BF109100.D

Acq: 18 Sep 2018 17:20

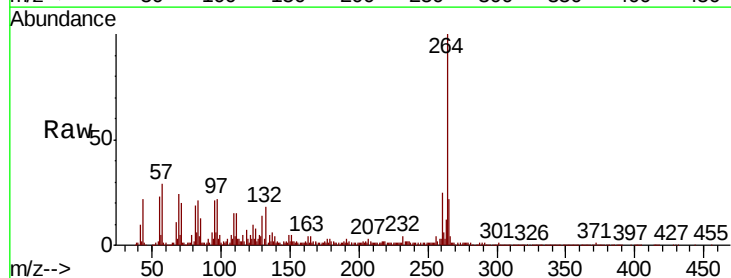
Tgt Ion:264 Resp: 318560

Ion Ratio Lower Upper

264 100

260 24.8 19.2 28.8

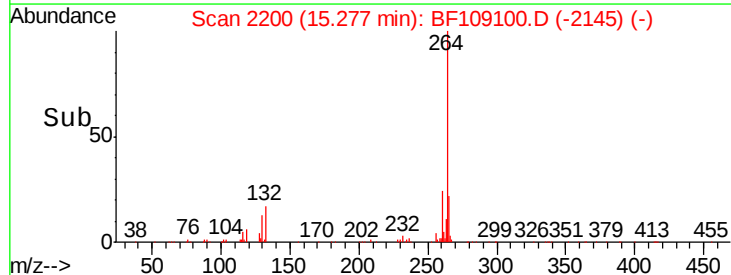
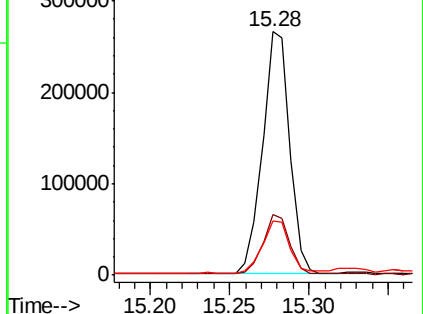
265 22.5 17.5 26.3

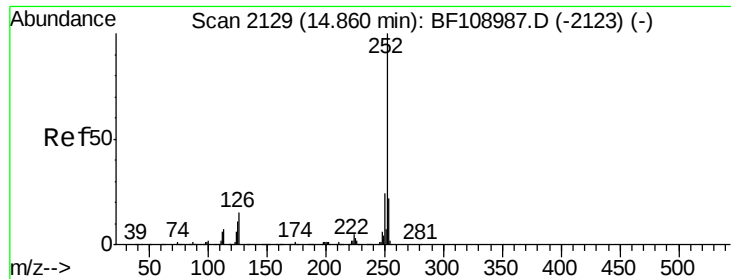


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

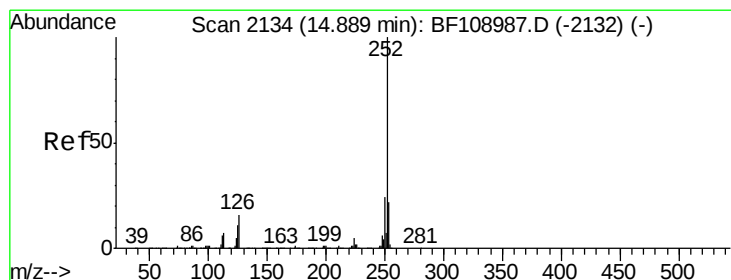
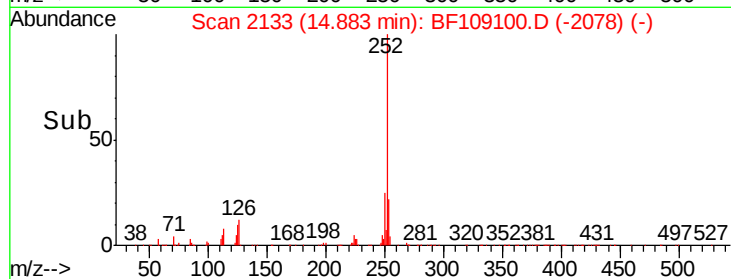
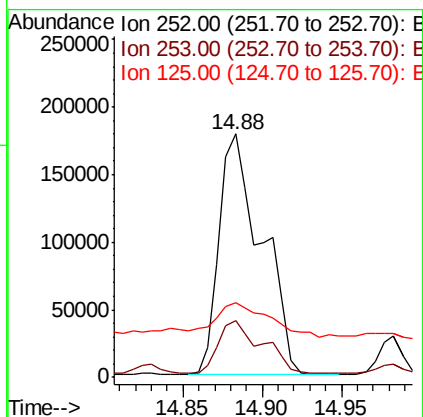
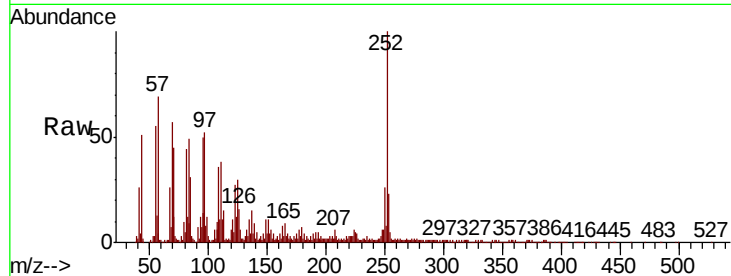




#87
Benzo(b)fluoranthene
Concen: 18.973 ng
RT: 14.88 min Scan# 2133
Delta R.T. 0.02 min
Lab File: BF109100.D
Acq: 18 Sep 2018 17:20

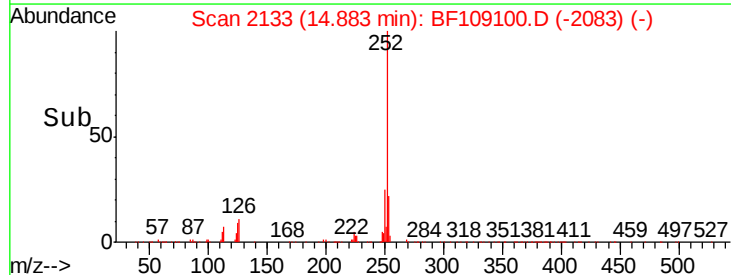
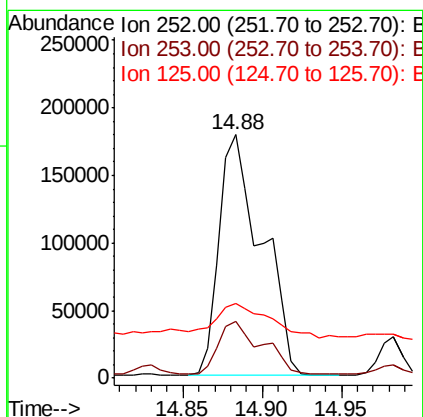
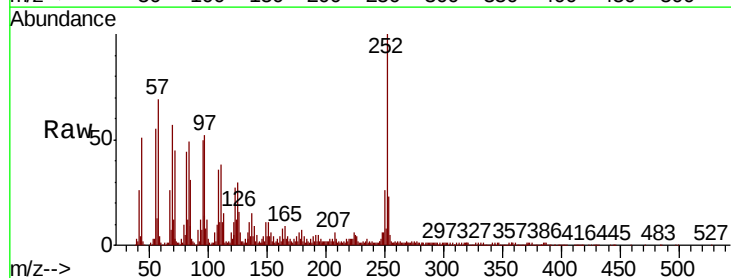
Instrument :
BNA_F
ClientSampleId :

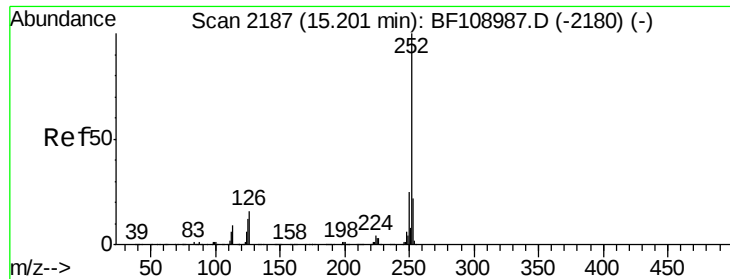
Tot Ion:252 Resp: 334373
Ion Ratio Lower Upper
252 100
253 23.4 17.0 25.6
125 30.5 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 20.314 ng
RT: 14.88 min Scan# 2133
Delta R.T. -0.01 min
Lab File: BF109100.D
Acq: 18 Sep 2018 17:20

Tgt Ion:252 Resp: 334373
Ion Ratio Lower Upper
252 100
253 23.4 17.9 26.9
125 30.5 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 10.819 ng

RT: 15.22 min Scan# 2190

Delta R.T. 0.02 min

Lab File: BF109100.D

Acq: 18 Sep 2018 17:20

Instrument :

BNA_F

ClientSampleId :

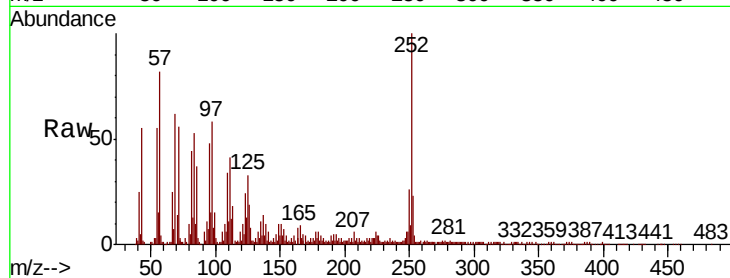
Tot Ion:252 Resp: 169334

Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

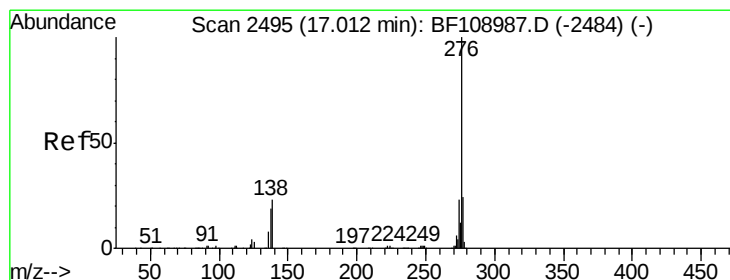
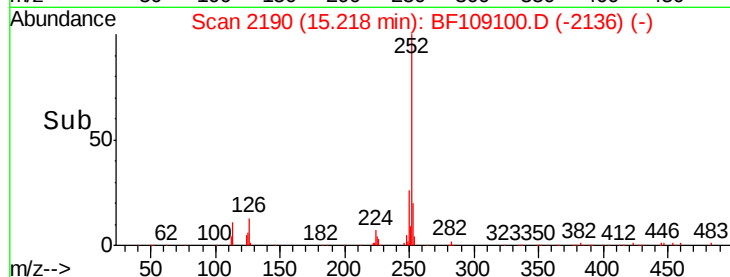
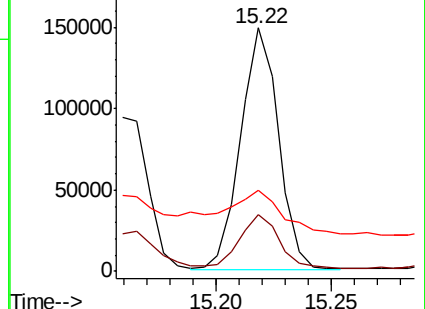
125 33.2 9.8 14.6#



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: 4.698 ng

RT: 17.03 min Scan# 2498

Delta R.T. 0.02 min

Lab File: BF109100.D

Acq: 18 Sep 2018 17:20

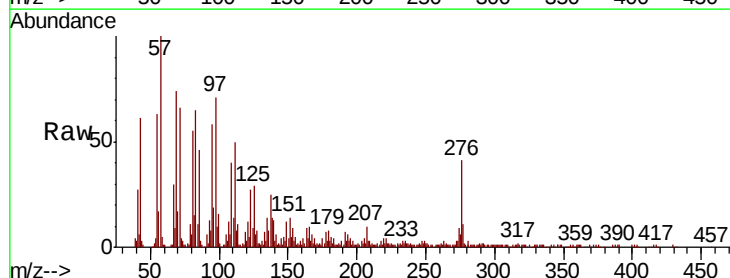
Tgt Ion:276 Resp: 61756

Ion Ratio Lower Upper

276 100

277 27.1 17.9 26.9#

138 34.0 21.8 32.8#



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

