

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
 Data File : BF104809.D
 Acq On : 26 Apr 2018 1:38
 Operator : JU/SJ
 Sample : J2497-03 10X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 26 08:21:48 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	94011	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	387720	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	164907	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	242753	20.00	ng	0.00
75) Chrysene-d12	13.99	240	185896	20.00	ng	0.00
86) Perylene-d12	15.46	264	171468	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	10831	1.76	ng	0.00
7) Phenol-d6	6.45	99	13509	1.79	ng	0.00
23) Nitrobenzene-d5	7.37	82	7348	1.24	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	2483	1.45	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	18392	1.76	ng	0.00
78) Terphenyl-d14	12.92	244	13206	1.62	ng	0.00

Target Compounds

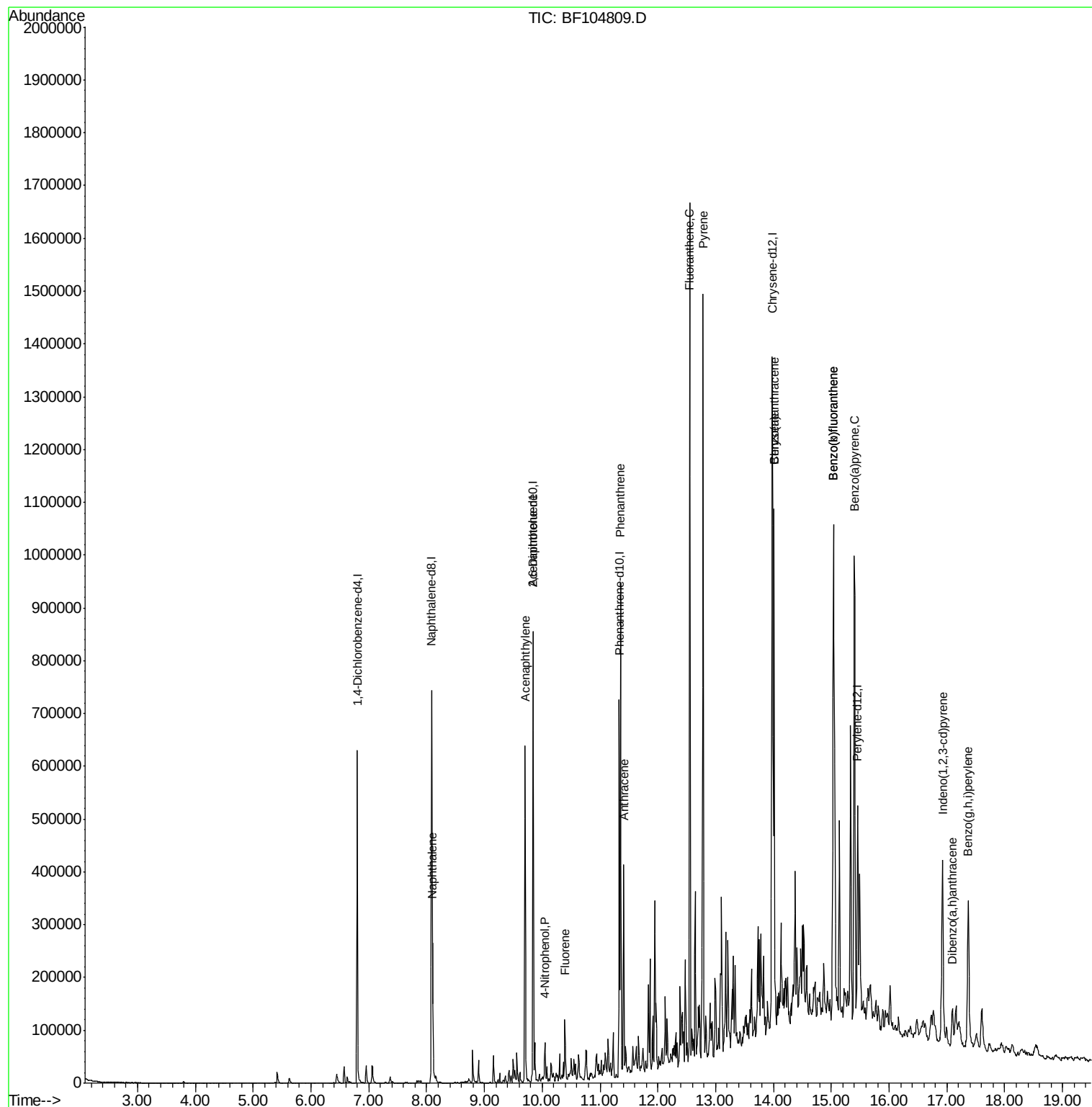
						Qvalue
9) Benzaldehyde	6.57	77	119	Below Cal	#	50
31) Naphthalene	8.10	128	106807	5.532	ng	98
48) Acenaphthylene	9.70	152	270133	15.734	ng	99
50) 2,6-Dinitrotoluene	9.84	165	22417	9.316	ng	# 26
55) 4-Nitrophenol	10.05	139	10132	4.579	ng	# 10
57) Fluorene	10.39	166	39951	3.760	ng	97
70) Phenanthrene	11.36	178	316580	23.418	ng	99
71) Anthracene	11.41	178	146484	10.660	ng	97
74) Fluoranthene	12.55	202	612184	43.342	ng	98
76) Benzidine	12.68	184	772	Below Cal	#	66
77) Pyrene	12.79	202	626975	45.501	ng	99
80) Benzo(a)anthracene	14.01	228	345683	31.127	ng	95
82) Chrysene	14.01	228	345683	30.304	ng	98
85) Indeno(1,2,3-cd)pyrene	16.93	276	212450	21.924	ng	# 91
87) Benzo(b)fluoranthene	15.04	252	719017	66.394	ng	97
88) Benzo(k)fluoranthene	15.04	252	719017	70.325	ng	99
89) Benzo(a)pyrene	15.40	252	401737	41.460	ng	97
90) Dibenzo(a,h)anthracene	17.10	278	50078	6.293	ng	93
91) Benzo(a,h,i)perylene	17.37	276	224017	29.055	ng	95

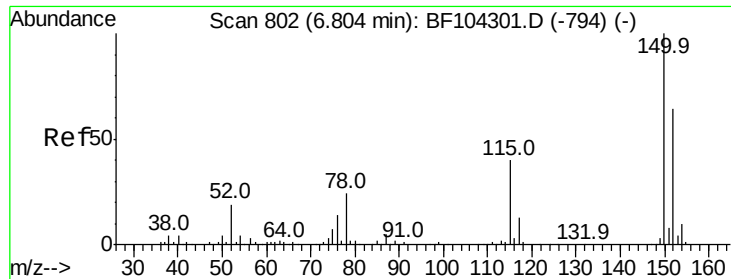
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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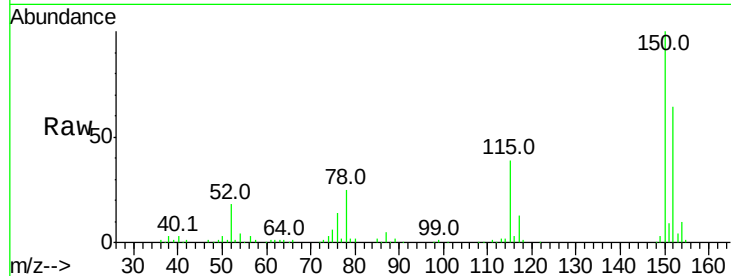


#1

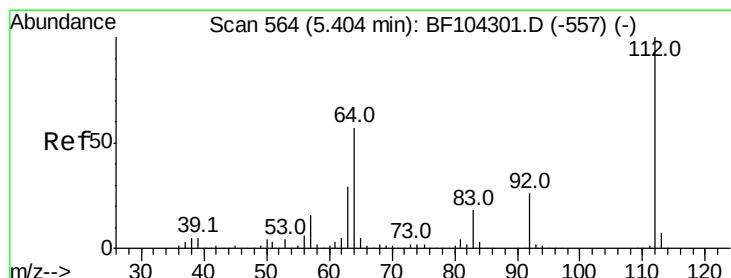
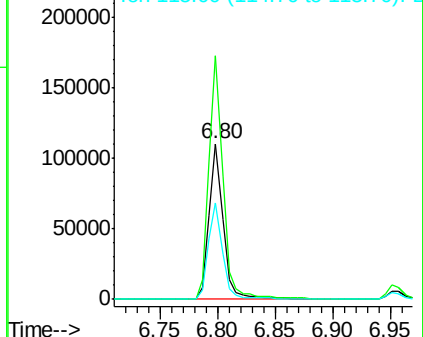
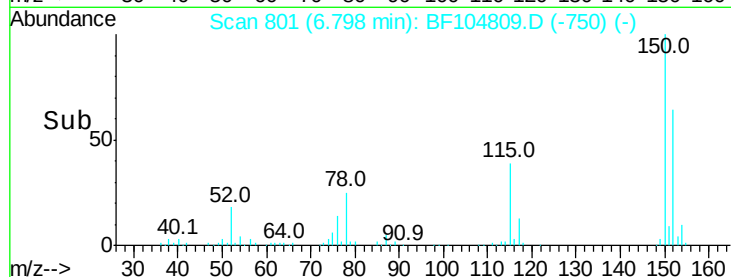
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: BF104809.D
 Acq: 26 Apr 2018 1:38

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 94011
 Ion Ratio Lower Upper
 152 100
 150 156.5 124.6 186.8
 115 61.6 50.1 75.1



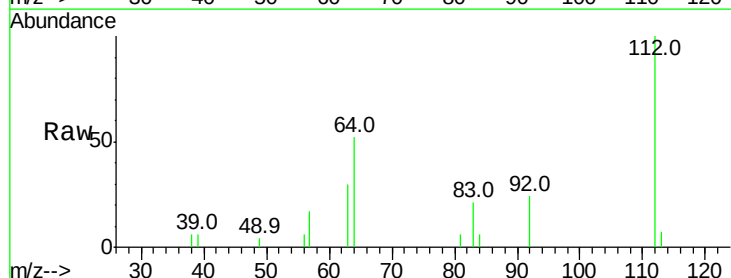
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



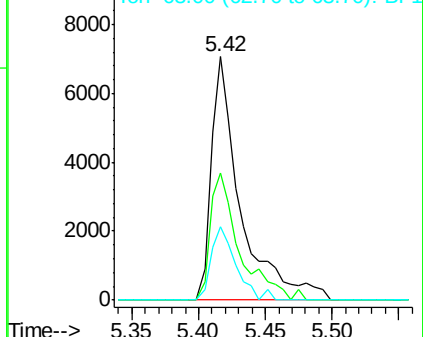
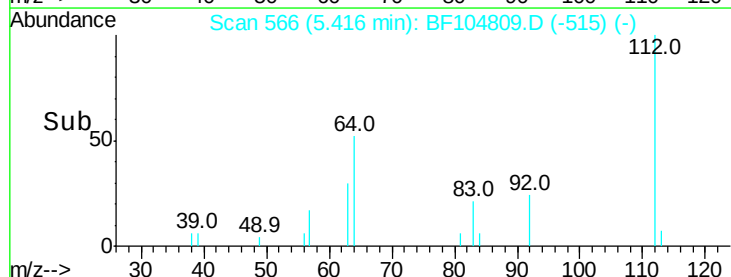
#5

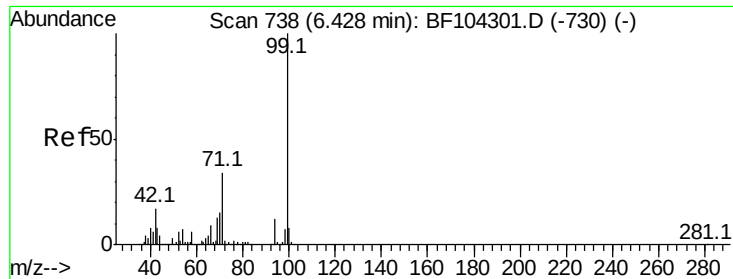
2-Fluorophenol
 Concen: 1.762 ng
 RT: 5.42 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: BF104809.D
 Acq: 26 Apr 2018 1:38

Tgt Ion:112 Resp: 10831
 Ion Ratio Lower Upper
 112 100
 64 52.3 47.9 71.9
 63 30.1 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: 1.788 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104809.D

Acq: 26 Apr 2018 1:38

Instrument :

BNA_F

ClientSampleId :

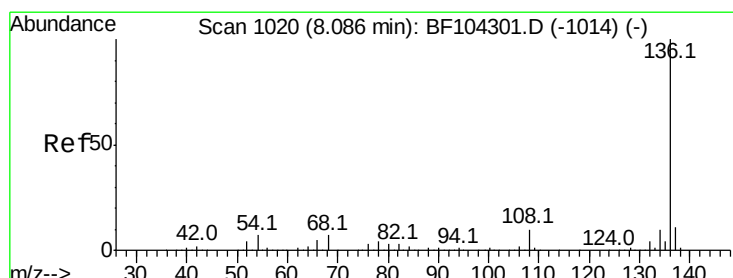
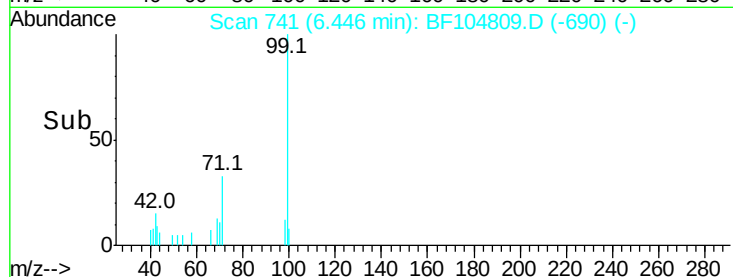
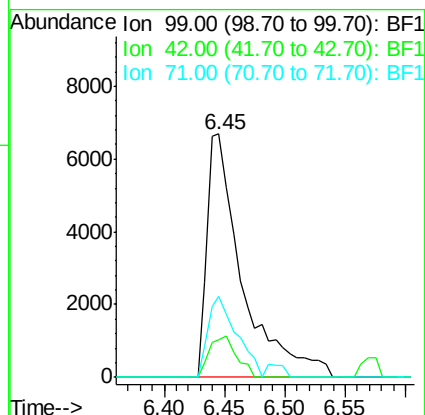
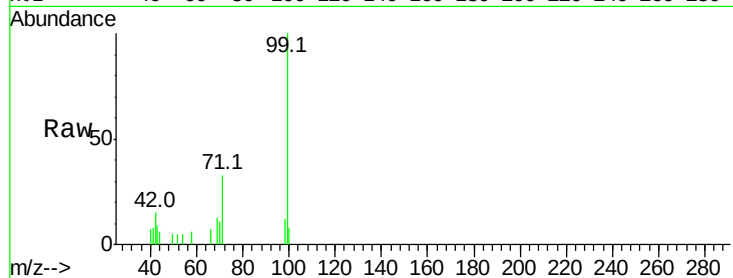
Tot Ion: 99 Resp: 13509

Ion Ratio Lower Upper

99 100

42 15.3 14.5 21.7

71 33.3 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BF104809.D

Acq: 26 Apr 2018 1:38

Tgt Ion: 136 Resp: 387720

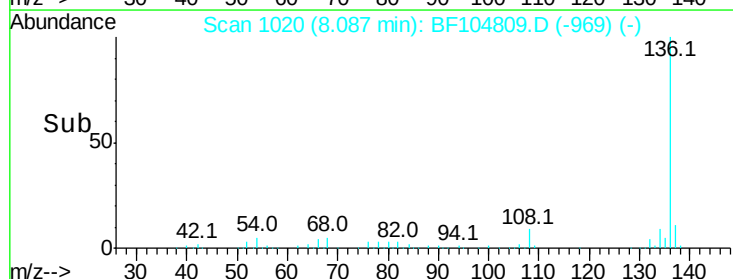
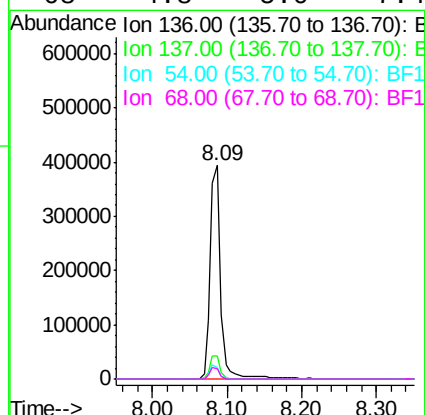
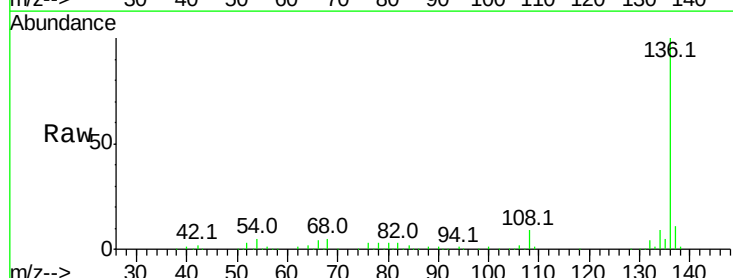
Ion Ratio Lower Upper

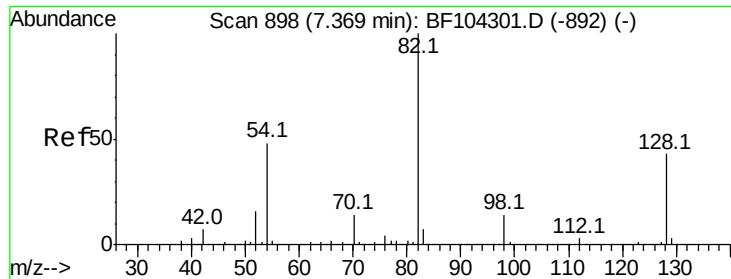
136 100

137 10.5 8.9 13.3

54 5.5 6.6 9.8#

68 4.8 5.0 7.4#

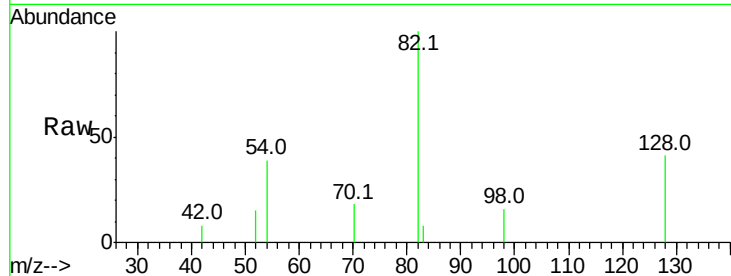




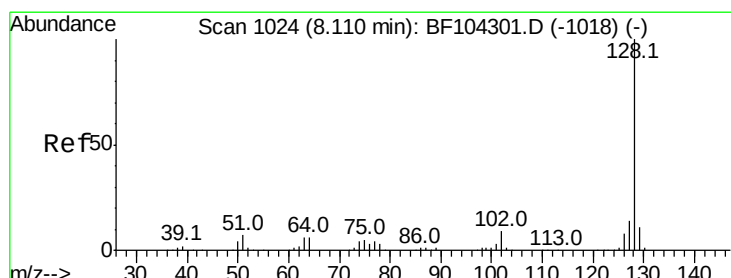
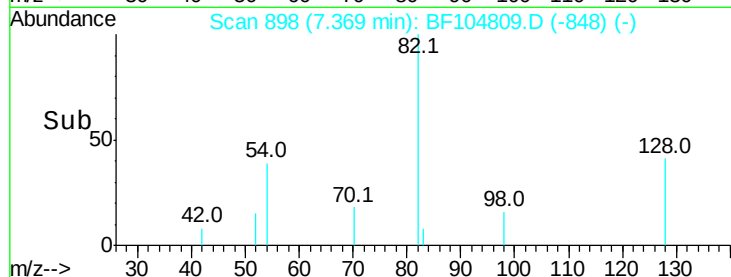
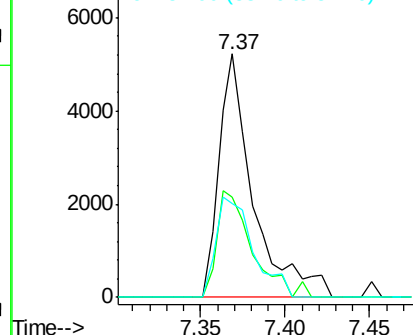
#23
 Nitrobenzene-d5
 Concen: 1.238 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF104809.D
 Acq: 26 Apr 2018 1:38

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion: 82 Resp: 7348
 Ion Ratio Lower Upper
 82 100
 128 41.3 36.1 54.1
 54 38.8 41.4 62.2#

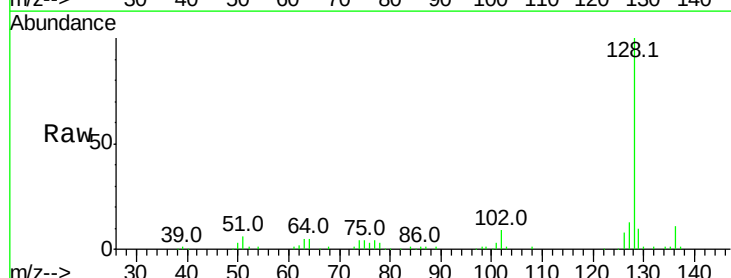


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

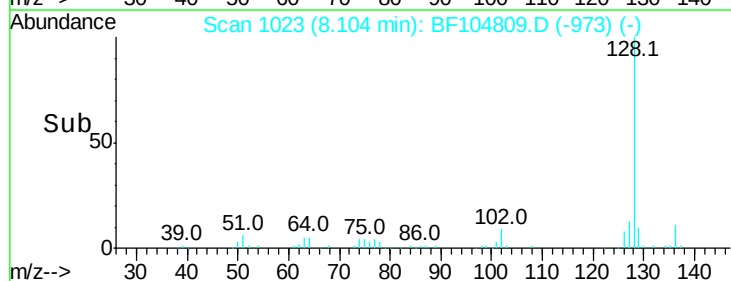
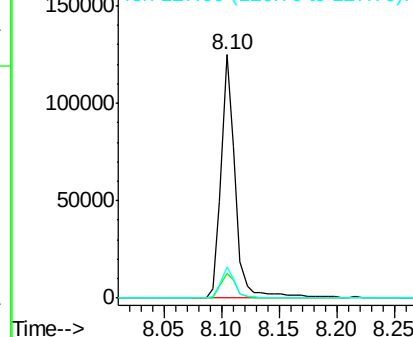


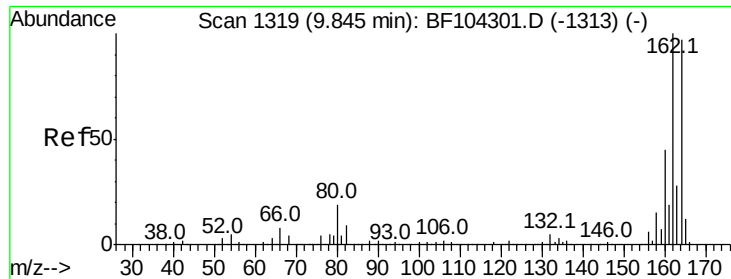
#31
 Naphthalene
 Concen: 5.532 ng
 RT: 8.10 min Scan# 1023
 Delta R.T. -0.01 min
 Lab File: BF104809.D
 Acq: 26 Apr 2018 1:38

Tgt Ion: 128 Resp: 106807
 Ion Ratio Lower Upper
 128 100
 129 10.0 8.8 13.2
 127 12.6 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E

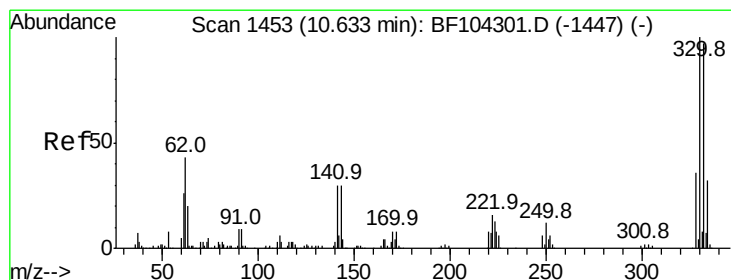
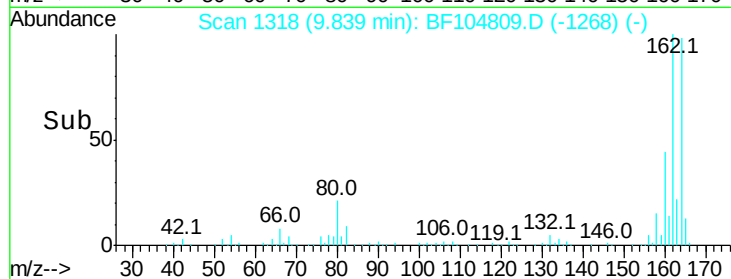
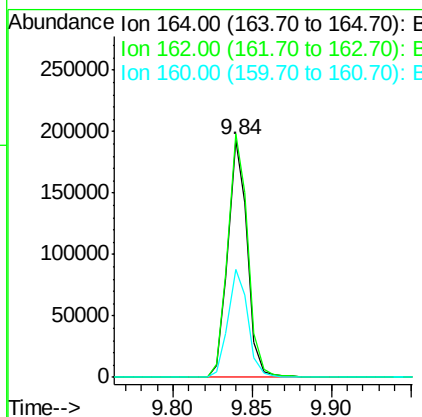
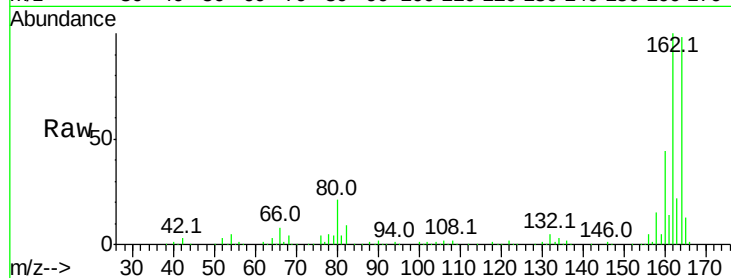




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF104809.D
Acq: 26 Apr 2018 1:38

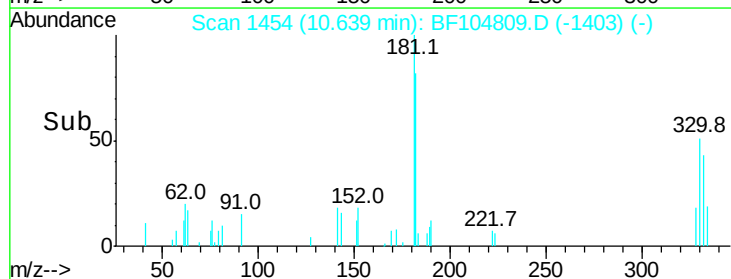
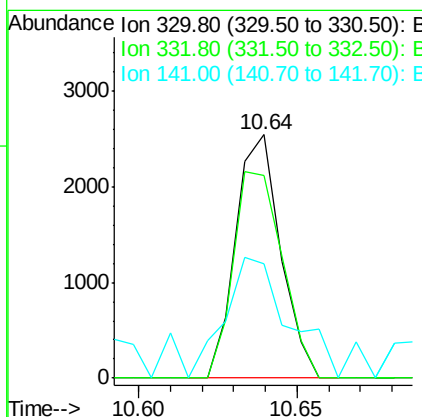
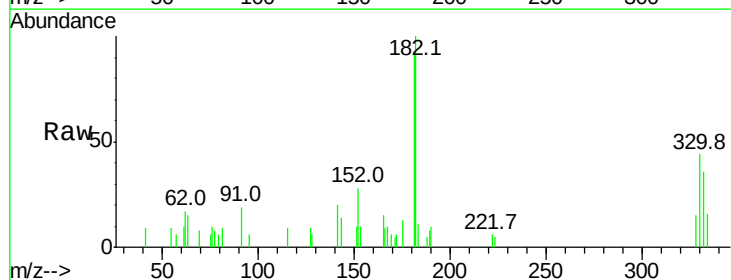
Instrument :
BNA_F
ClientSampleId :

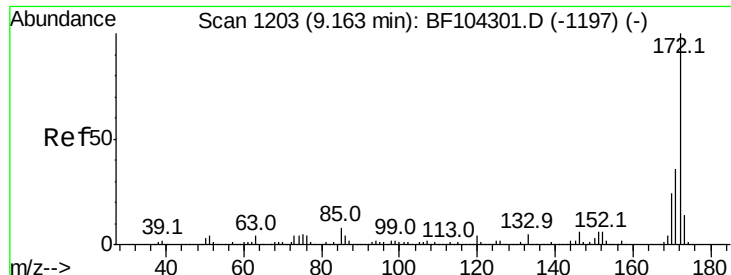
Tot Ion:164 Resp: 164907
Ion Ratio Lower Upper
164 100
162 102.4 86.1 129.1
160 45.3 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 1.452 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.00 min
Lab File: BF104809.D
Acq: 26 Apr 2018 1:38

Tgt Ion:330 Resp: 2483
Ion Ratio Lower Upper
330 100
332 93.4 77.0 115.6
141 77.4 29.9 44.9#

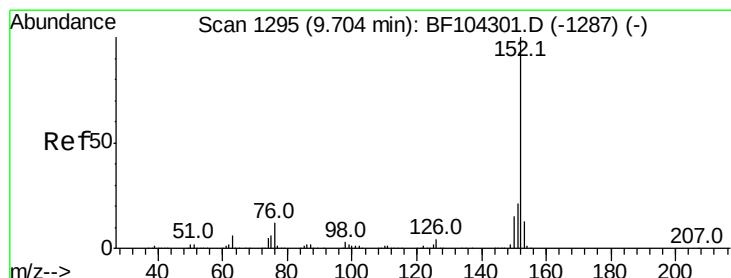
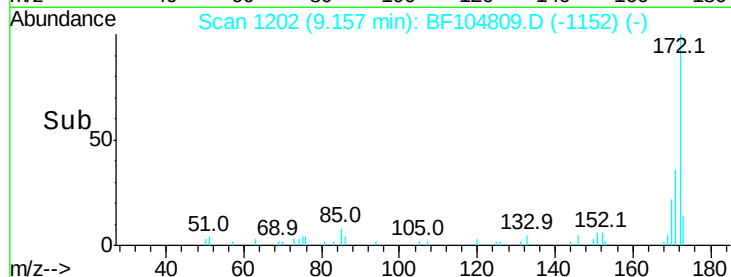
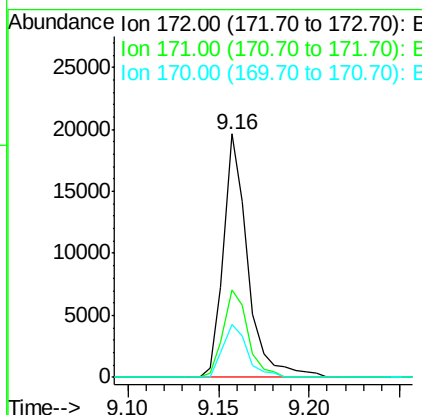
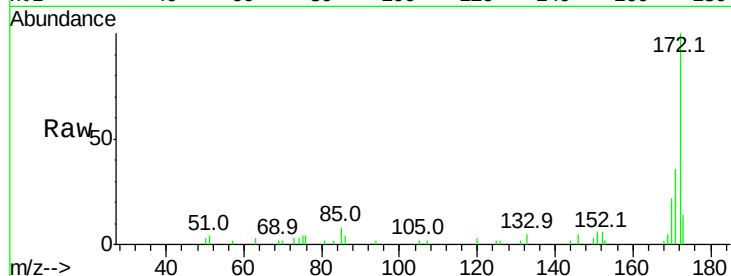




#44
 2-Fluorobiphenyl
 Concen: 1.762 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104809.D
 Acq: 26 Apr 2018 1:38

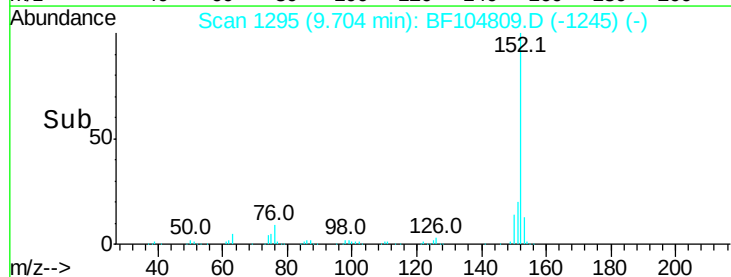
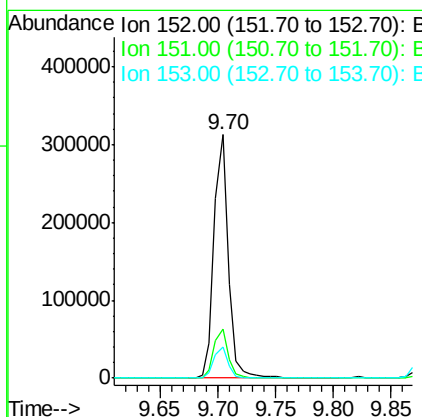
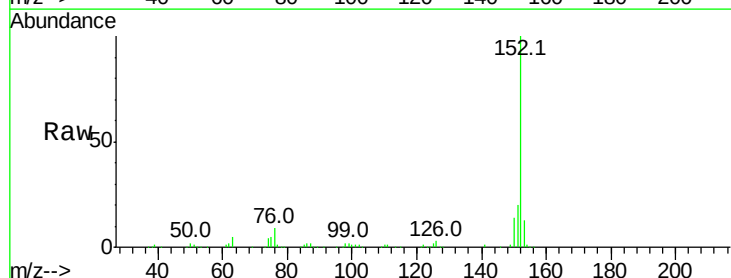
Instrument :
 BNA_F
 ClientSampled :

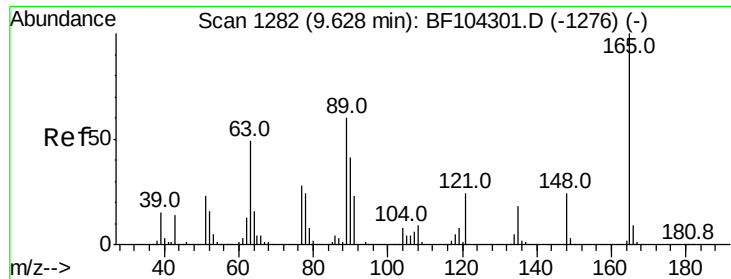
Tot Ion:172 Resp: 18392
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 21.5 19.6 29.4



#48
 Acenaphthylene
 Concen: 15.734 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.01 min
 Lab File: BF104809.D
 Acq: 26 Apr 2018 1:38

Tgt Ion:152 Resp: 270133
 Ion Ratio Lower Upper
 152 100
 151 20.2 16.3 24.5
 153 12.6 10.7 16.1

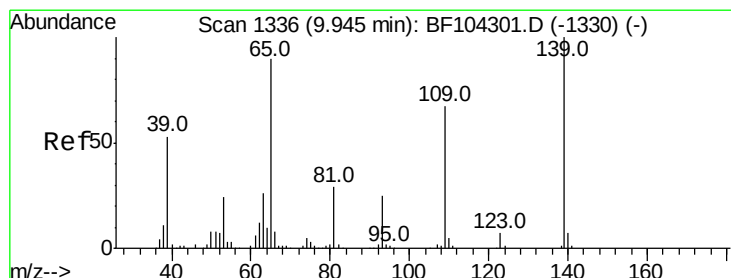
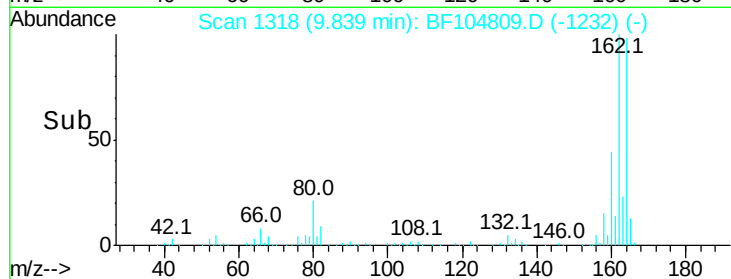
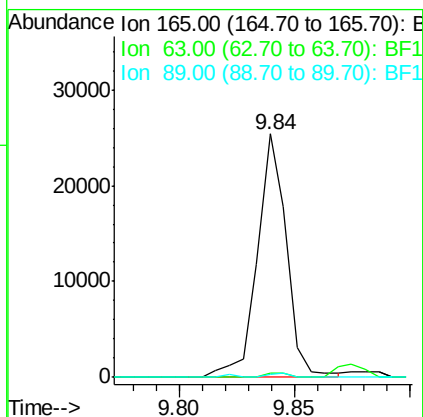
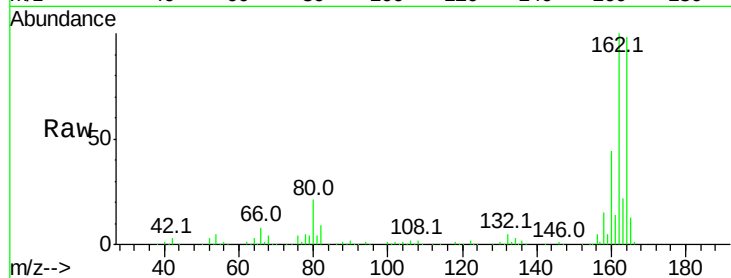




#50
 2,6-Dinitrotoluene
 Concen: 9.316 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.21 min
 Lab File: BF104809.D
 Acq: 26 Apr 2018 1:38

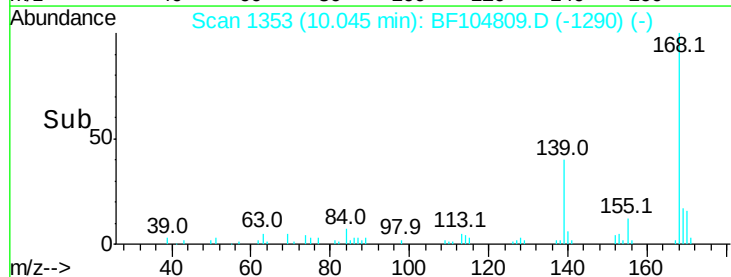
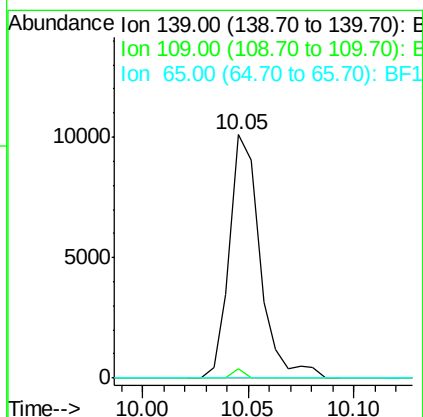
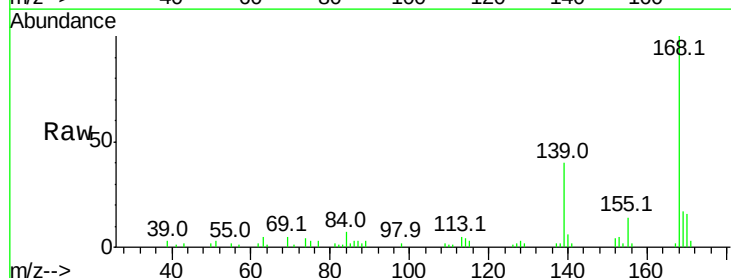
Instrument :
 BNA_F
 ClientSampleId :

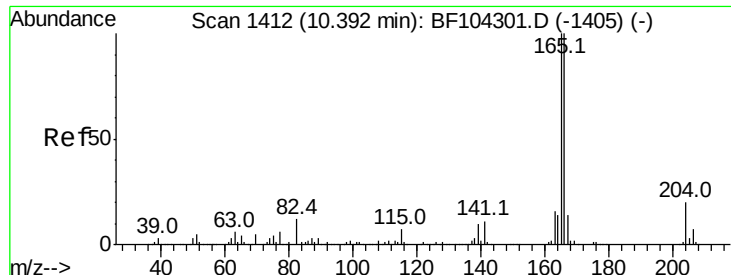
Tot Ion:165 Resp: 22417
 Ion Ratio Lower Upper
 165 100
 63 1.9 44.7 67.1#
 89 1.2 44.0 66.0#



#55
 4-Nitrophenol
 Concen: 4.579 ng
 RT: 10.05 min Scan# 1353
 Delta R.T. 0.07 min
 Lab File: BF104809.D
 Acq: 26 Apr 2018 1:38

Tgt Ion:139 Resp: 10132
 Ion Ratio Lower Upper
 139 100
 109 3.8 48.4 88.4#
 65 0.0 72.6 112.6#

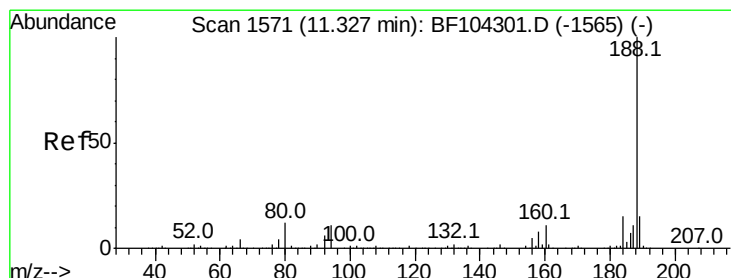
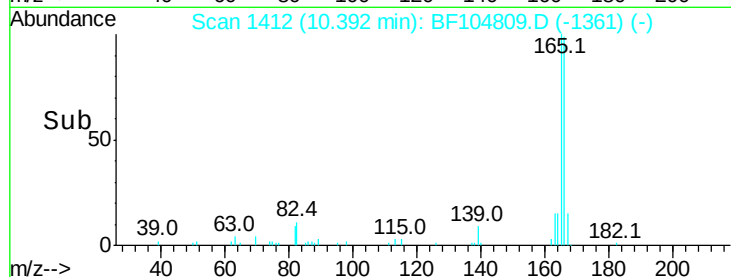
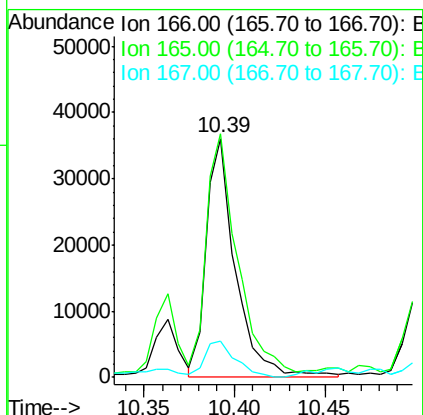
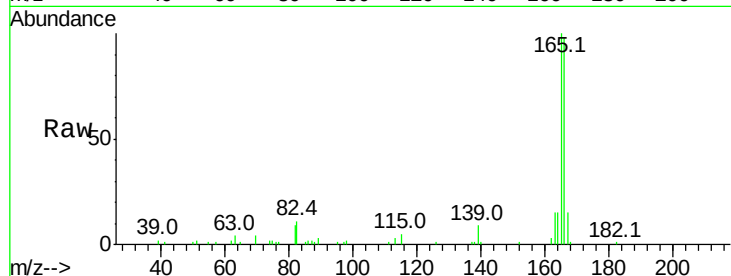




#57
 Fluorene
 Concen: 3.760 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: BF104809.D
 Acq: 26 Apr 2018 1:38

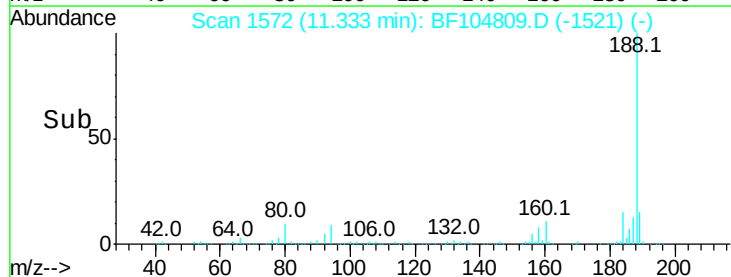
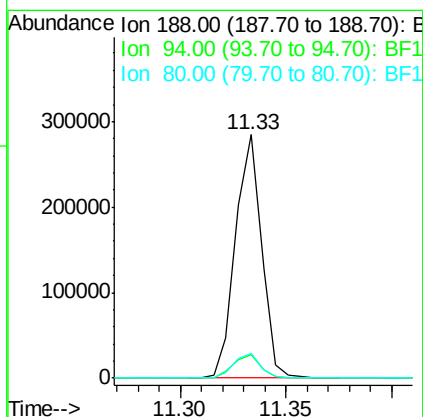
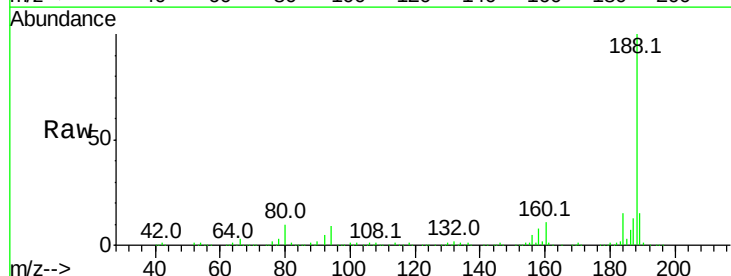
Instrument :
 BNA_F
 ClientSampleId :

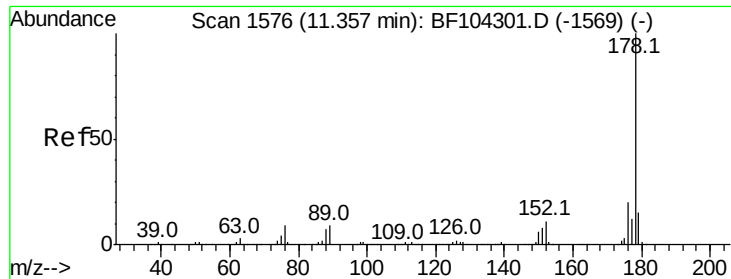
Tot Ion:166 Resp: 39951
 Ion Ratio Lower Upper
 166 100
 165 102.0 79.8 119.8
 167 15.3 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF104809.D
 Acq: 26 Apr 2018 1:38

Tgt Ion:188 Resp: 242753
 Ion Ratio Lower Upper
 188 100
 94 9.4 8.5 12.7
 80 10.0 9.2 13.8

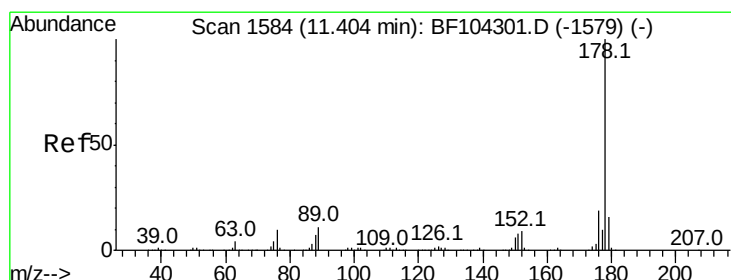
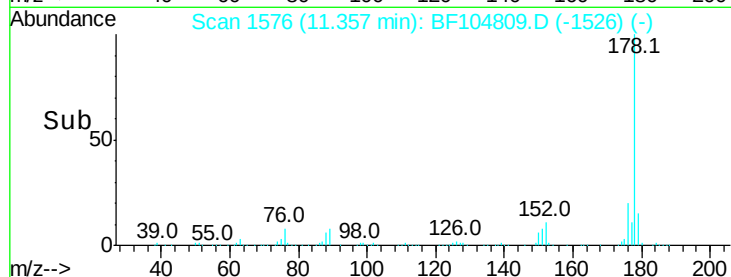
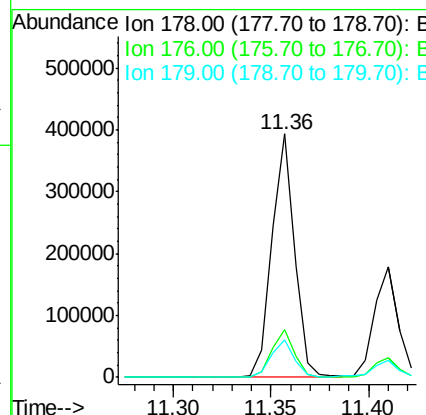
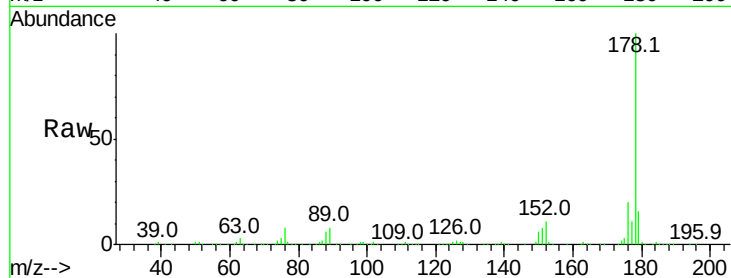




#70
Phenanthrene
Concen: 23.418 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104809.D
Acq: 26 Apr 2018 1:38

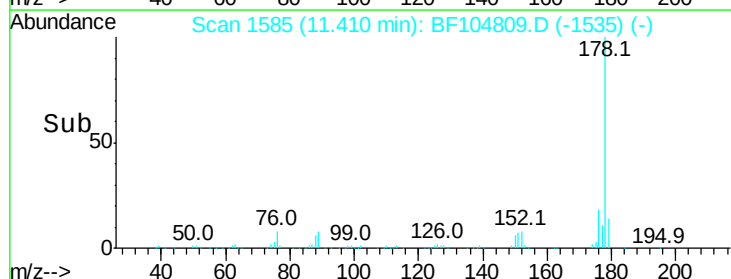
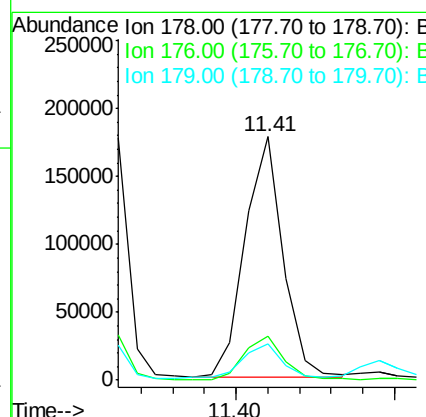
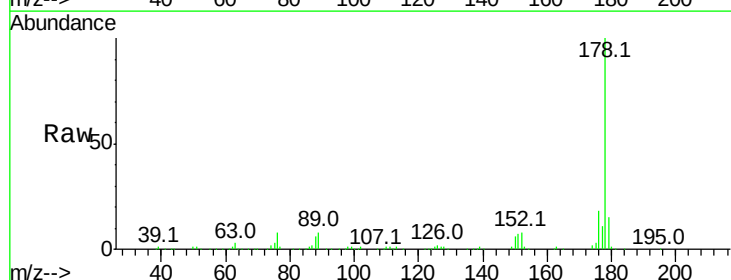
Instrument :
BNA_F
ClientSampled :

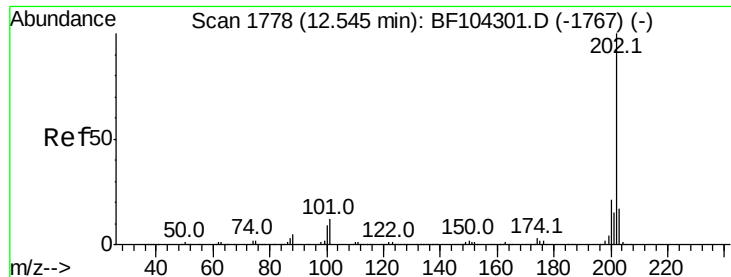
Tot Ion:178 Resp: 316580
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 15.5 13.0 19.6



#71
Anthracene
Concen: 10.660 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF104809.D
Acq: 26 Apr 2018 1:38

Tgt Ion:178 Resp: 146484
Ion Ratio Lower Upper
178 100
176 17.9 15.4 23.2
179 14.8 12.6 19.0





#74

Fluoranthene

Concen: 43.342 ng

RT: 12.55 min Scan# 1779

Delta R.T. 0.00 min

Lab File: BF104809.D

Acq: 26 Apr 2018 1:38

Instrument :

BNA_F

ClientSampled :

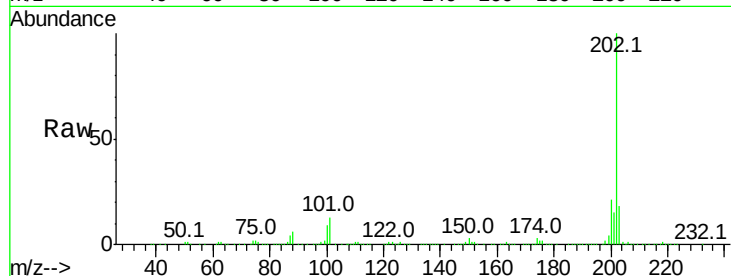
Tot Ion:202 Resp: 612184

Ion Ratio Lower Upper

202 100

101 12.6 0.0 34.1

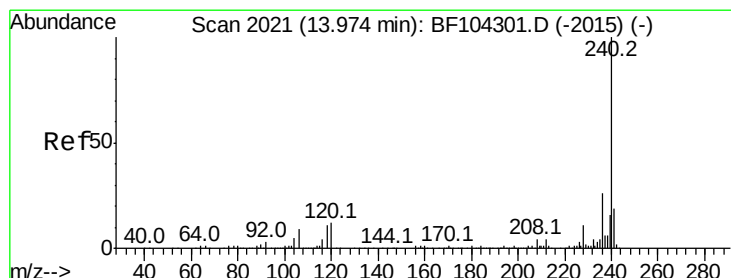
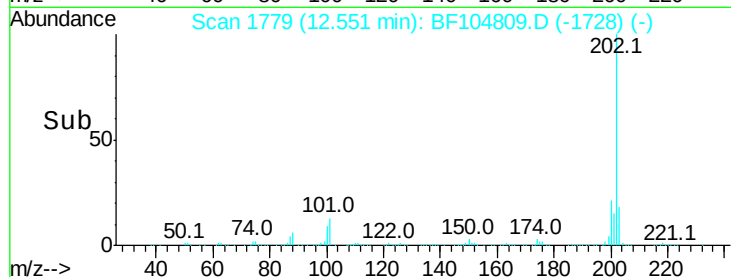
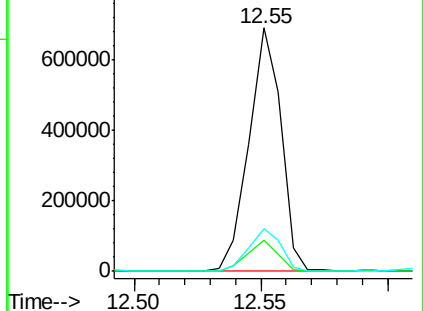
203 17.6 0.0 38.1



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: 13.99 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BF104809.D

Acq: 26 Apr 2018 1:38

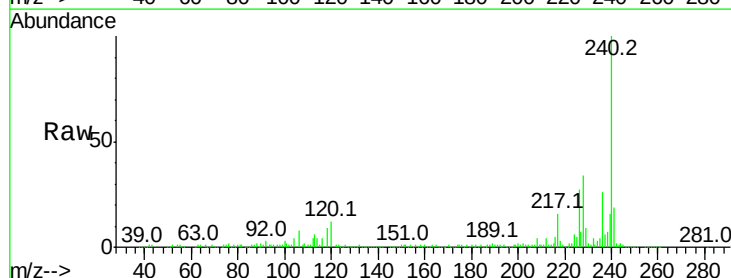
Tgt Ion:240 Resp: 185896

Ion Ratio Lower Upper

240 100

120 12.1 9.5 14.3

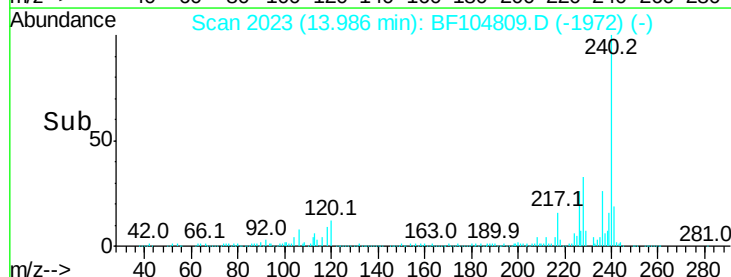
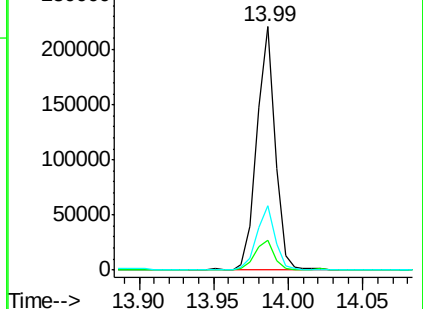
236 26.4 20.7 31.1

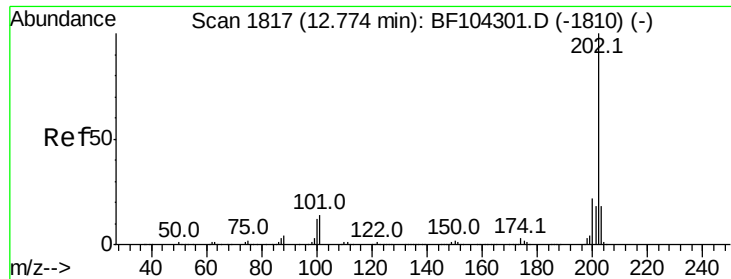


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 45.501 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF104809.D

Acq: 26 Apr 2018 1:38

Instrument :

BNA_F

ClientSampleId :

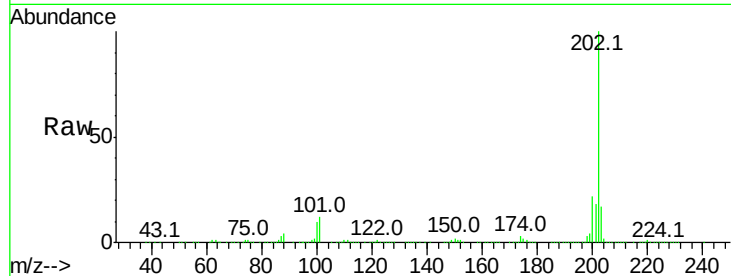
Tot Ion:202 Resp: 626975

Ion Ratio Lower Upper

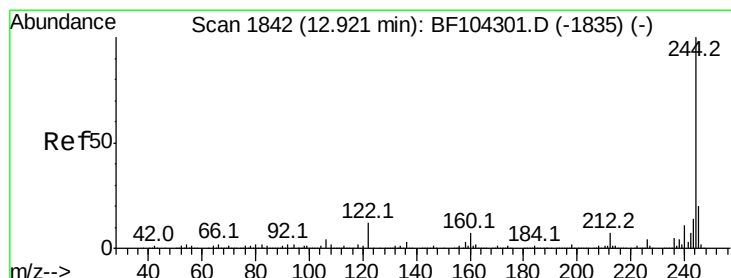
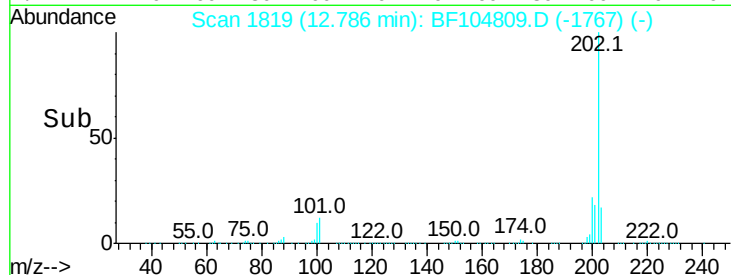
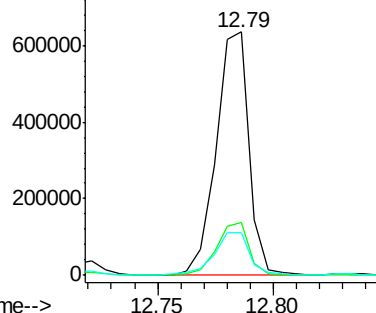
202 100

200 21.7 17.4 26.2

203 17.4 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: 1.620 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF104809.D

Acq: 26 Apr 2018 1:38

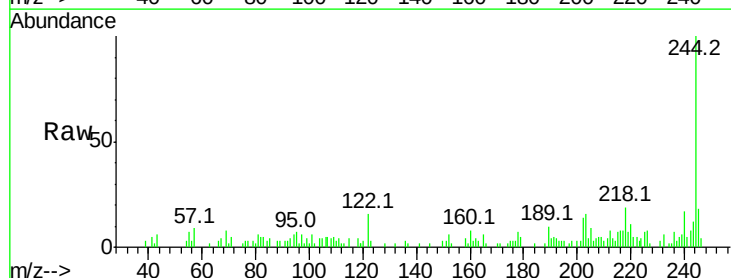
Tgt Ion:244 Resp: 13206

Ion Ratio Lower Upper

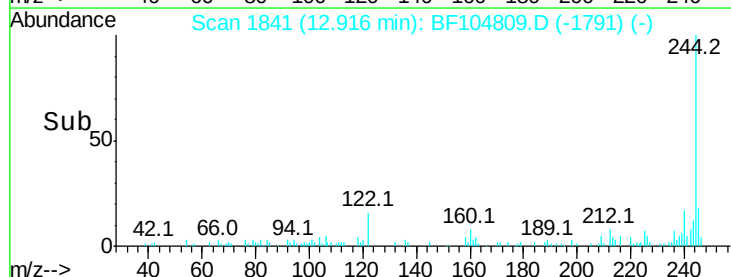
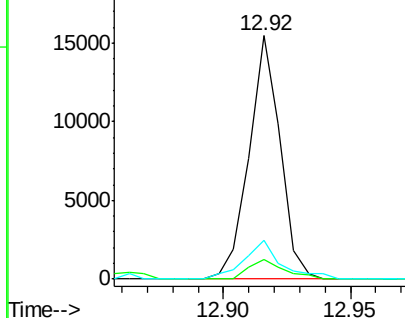
244 100

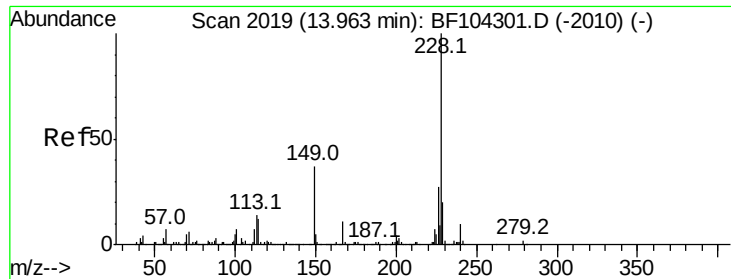
212 8.0 5.4 8.0#

122 16.2 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

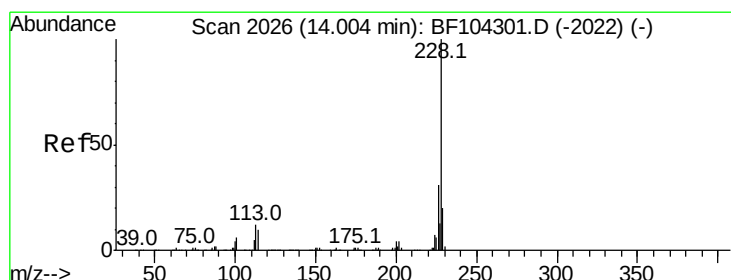
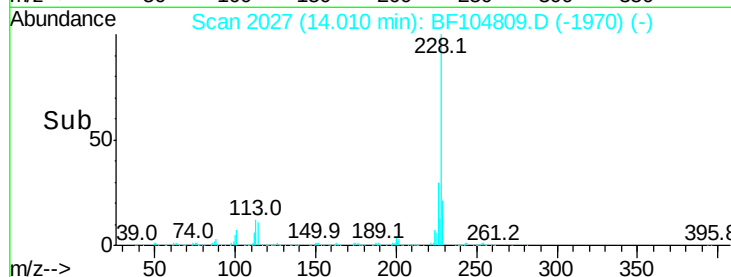
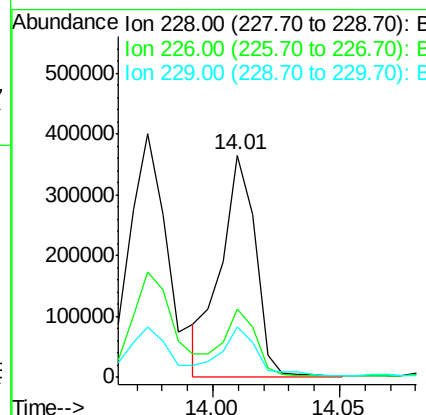
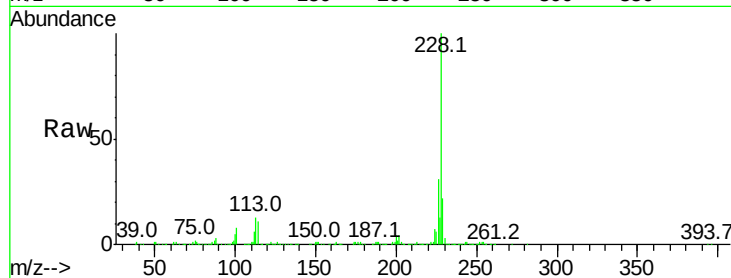




#80
Benzo(a)anthracene
Concen: 31.127 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.04 min
Lab File: BF104809.D
Acq: 26 Apr 2018 1:38

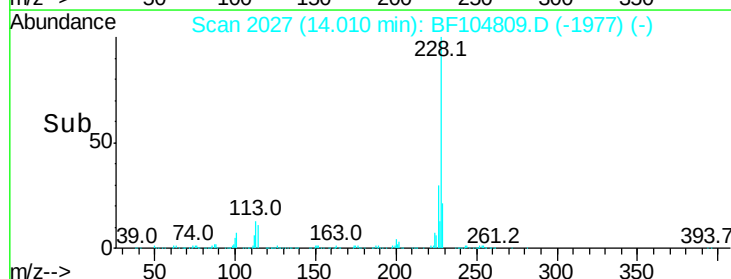
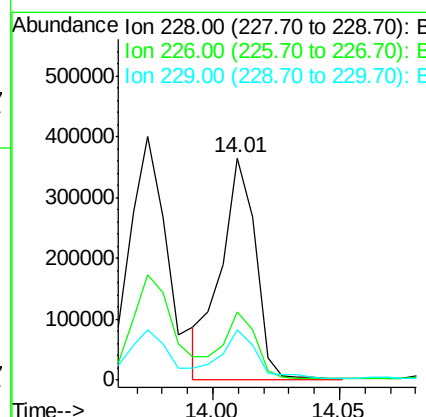
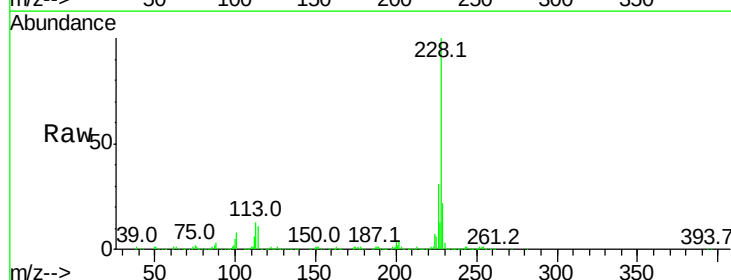
Instrument :
BNA_F
ClientSampleId :

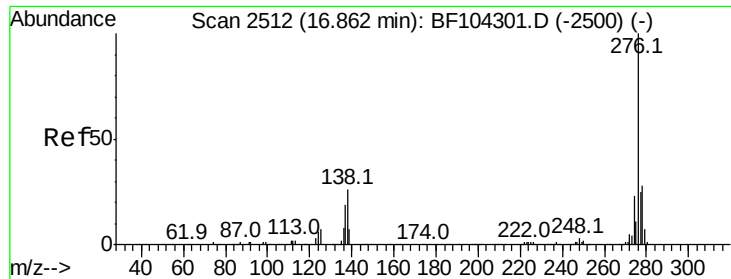
Tot Ion:228 Resp: 345683
Ion Ratio Lower Upper
228 100
226 30.9 22.6 33.8
229 22.4 15.8 23.6



#82
Chrysene
Concen: 30.304 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF104809.D
Acq: 26 Apr 2018 1:38

Tgt Ion:228 Resp: 345683
Ion Ratio Lower Upper
228 100
226 30.9 25.0 37.6
229 22.4 16.2 24.4

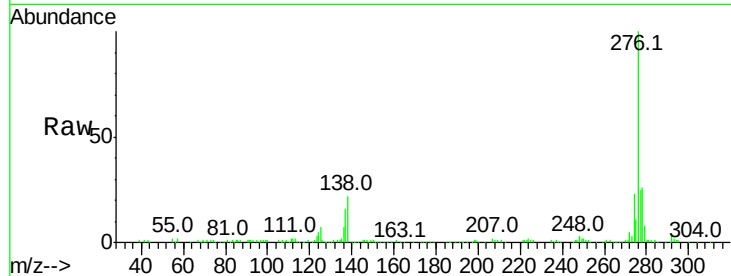




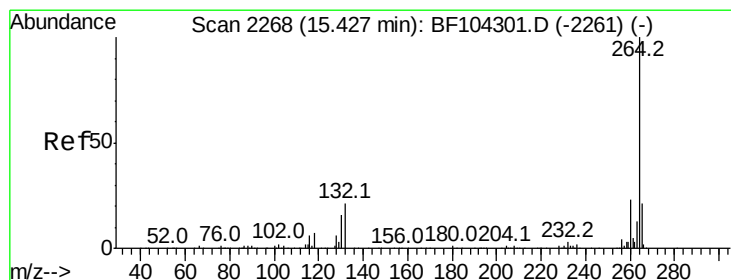
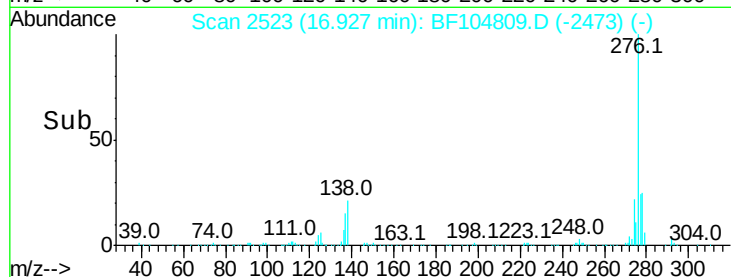
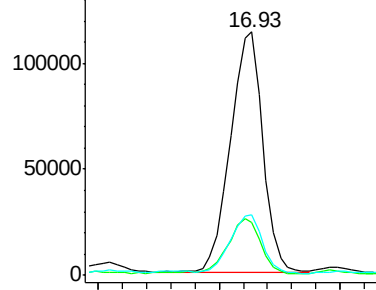
#85
Indeno(1,2,3-cd)pyrene
Concen: 21.924 ng
RT: 16.93 min Scan# 2523
Delta R.T. -0.01 min
Lab File: BF104809.D
Acq: 26 Apr 2018 1:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:276 Resp: 212450
Ion Ratio Lower Upper
276 100
138 23.1 25.0 37.6#
277 24.5 20.1 30.1

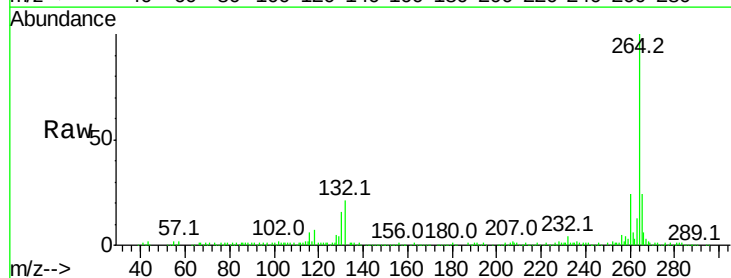


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

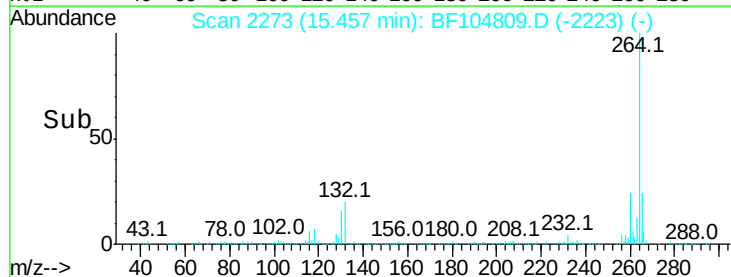
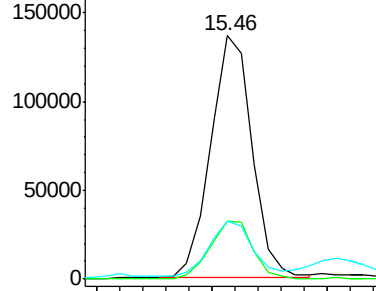


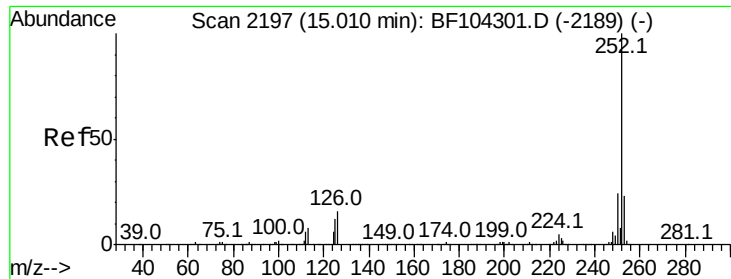
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BF104809.D
Acq: 26 Apr 2018 1:38

Tgt Ion:264 Resp: 171468
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 23.7 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

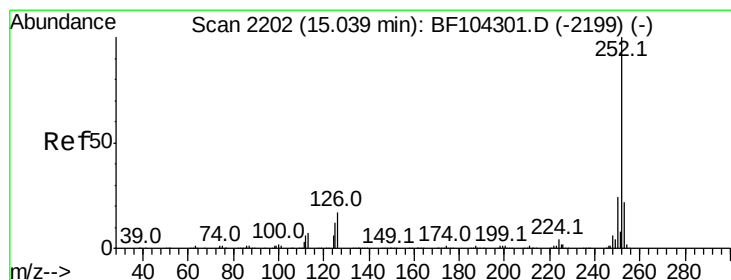
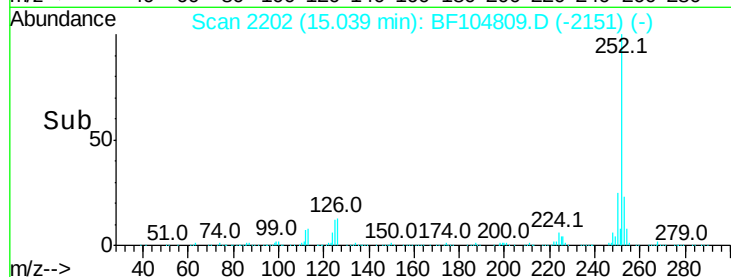
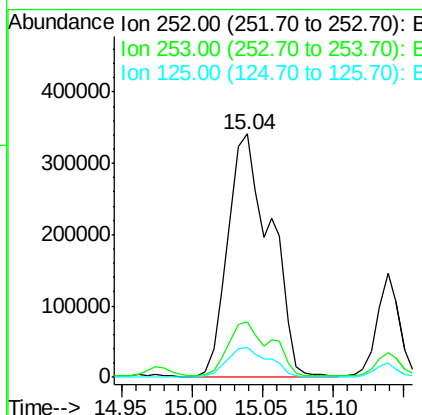
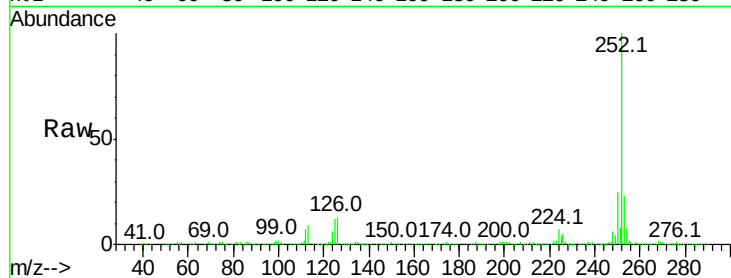




#87
Benzo(b)fluoranthene
Concen: 66.394 ng
RT: 15.04 min Scan# 2202
Delta R.T. 0.00 min
Lab File: BF104809.D
Acq: 26 Apr 2018 1:38

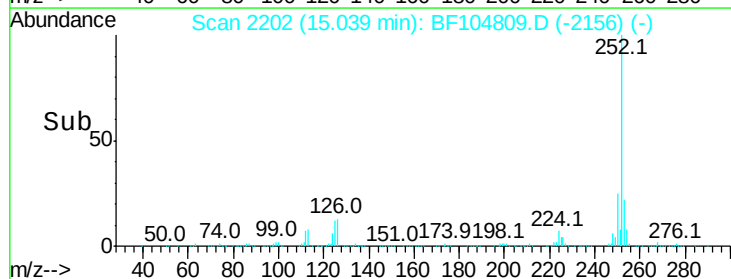
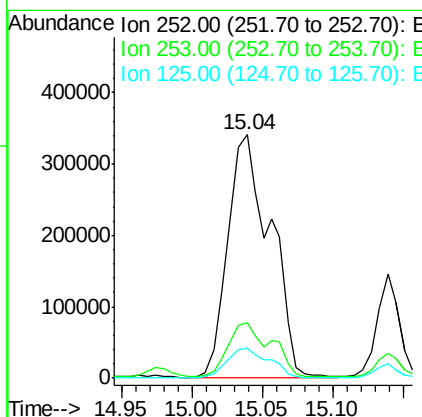
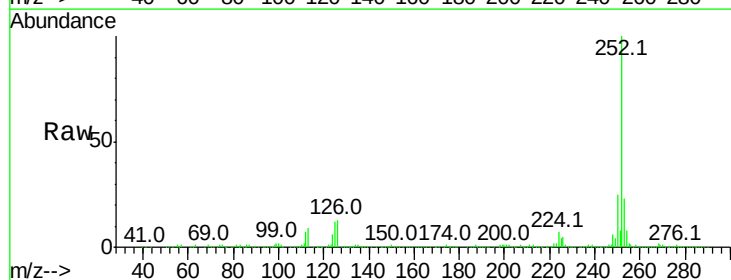
Instrument :
BNA_F
ClientSampleId :

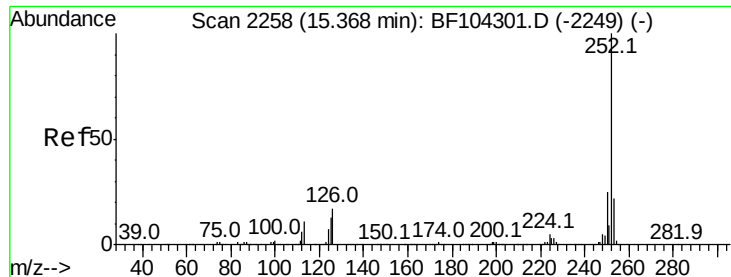
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	12.4	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 70.325 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.03 min
Lab File: BF104809.D
Acq: 26 Apr 2018 1:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	12.4	10.2	15.2





#89

Benzo(a)pyrene

Concen: 41.460 ng

RT: 15.40 min Scan# 2263

Delta R.T. -0.01 min

Lab File: BF104809.D

Acq: 26 Apr 2018 1:38

Instrument :

BNA_F

ClientSampleId :

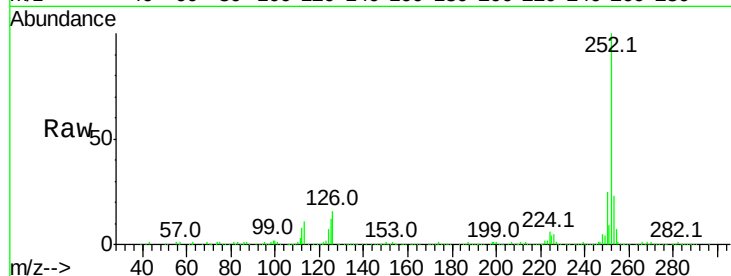
Tot Ion:252 Resp: 401737

Ion Ratio Lower Upper

252 100

253 23.4 17.1 25.7

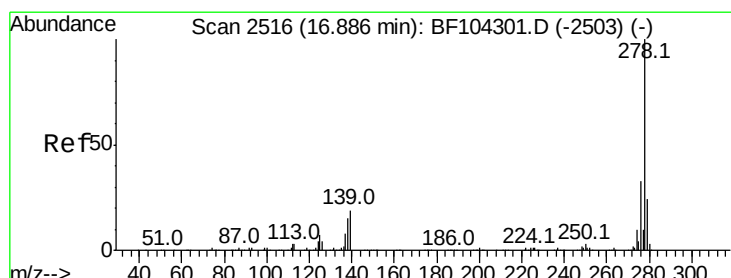
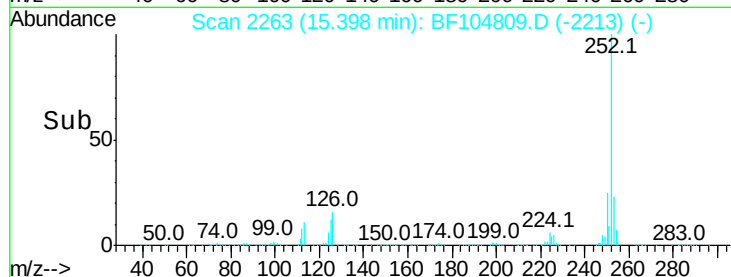
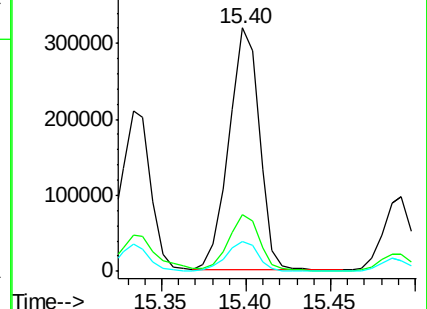
125 12.4 9.8 14.6



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



#90

Dibenzo(a,h)anthracene

Concen: 6.293 ng

RT: 17.10 min Scan# 2552

Delta R.T. 0.15 min

Lab File: BF104809.D

Acq: 26 Apr 2018 1:38

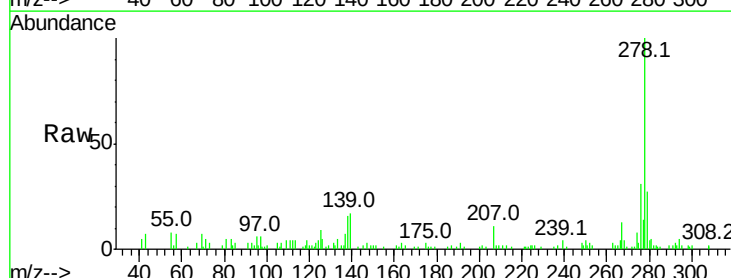
Tgt Ion:278 Resp: 50078

Ion Ratio Lower Upper

278 100

139 16.7 15.9 23.9

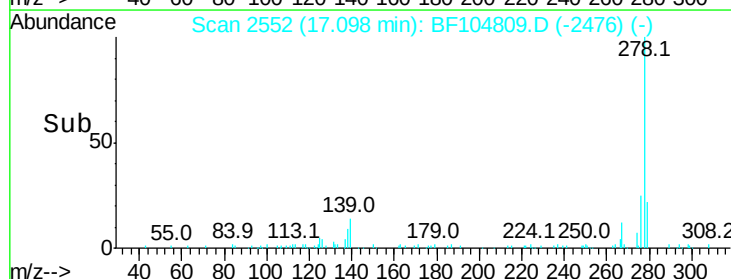
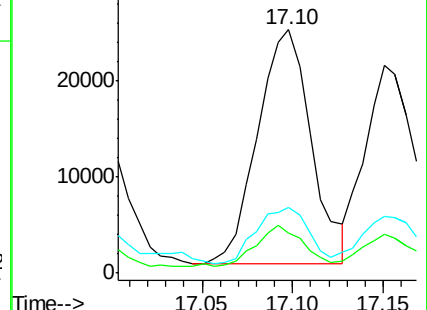
279 27.0 19.0 28.4

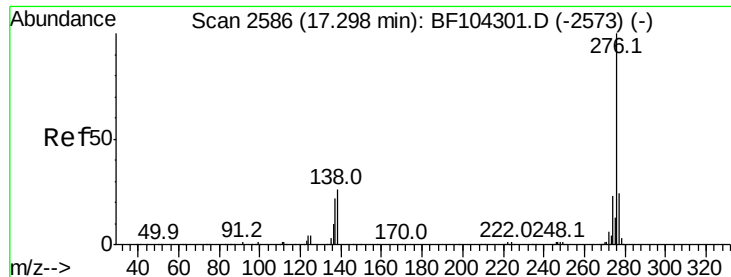


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 29.055 ng

RT: 17.37 min Scan# 2599

Delta R.T. -0.01 min

Lab File: BF104809.D

Acq: 26 Apr 2018 1:38

Instrument :

BNA_F

ClientSampleId :

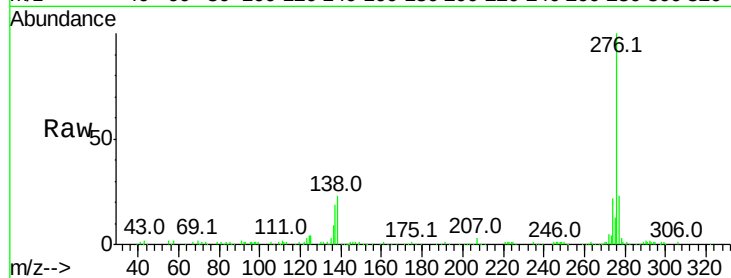
Tot Ion: 276 Resp: 224017

Ion Ratio Lower Upper

276 100

277 22.8 17.9 26.9

138 23.0 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

