

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060816\
 Data File : BF087818.D
 Acq On : 8 Jun 2016 19:20
 Operator : UM/SJ
 Sample : H3378-09 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-19

Quant Time: Jun 09 02:00:32 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	123264	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	534670	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	232272	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	350629	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	282950	20.00	ng	0.00
86) Perylene-d12	15.42	264	251020	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	379095	52.58	ng	-0.01
7) Phenol-d6	6.46	99	472107	54.03	ng	-0.02
23) Nitrobenzene-d5	7.38	82	273826	29.91	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	102775	41.91	ng	-0.01
44) 2-Fluorobiphenyl	9.19	172	494540	29.85	ng	-0.02
78) Terphenyl-d14	12.94	244	295161	23.74	ng	-0.01

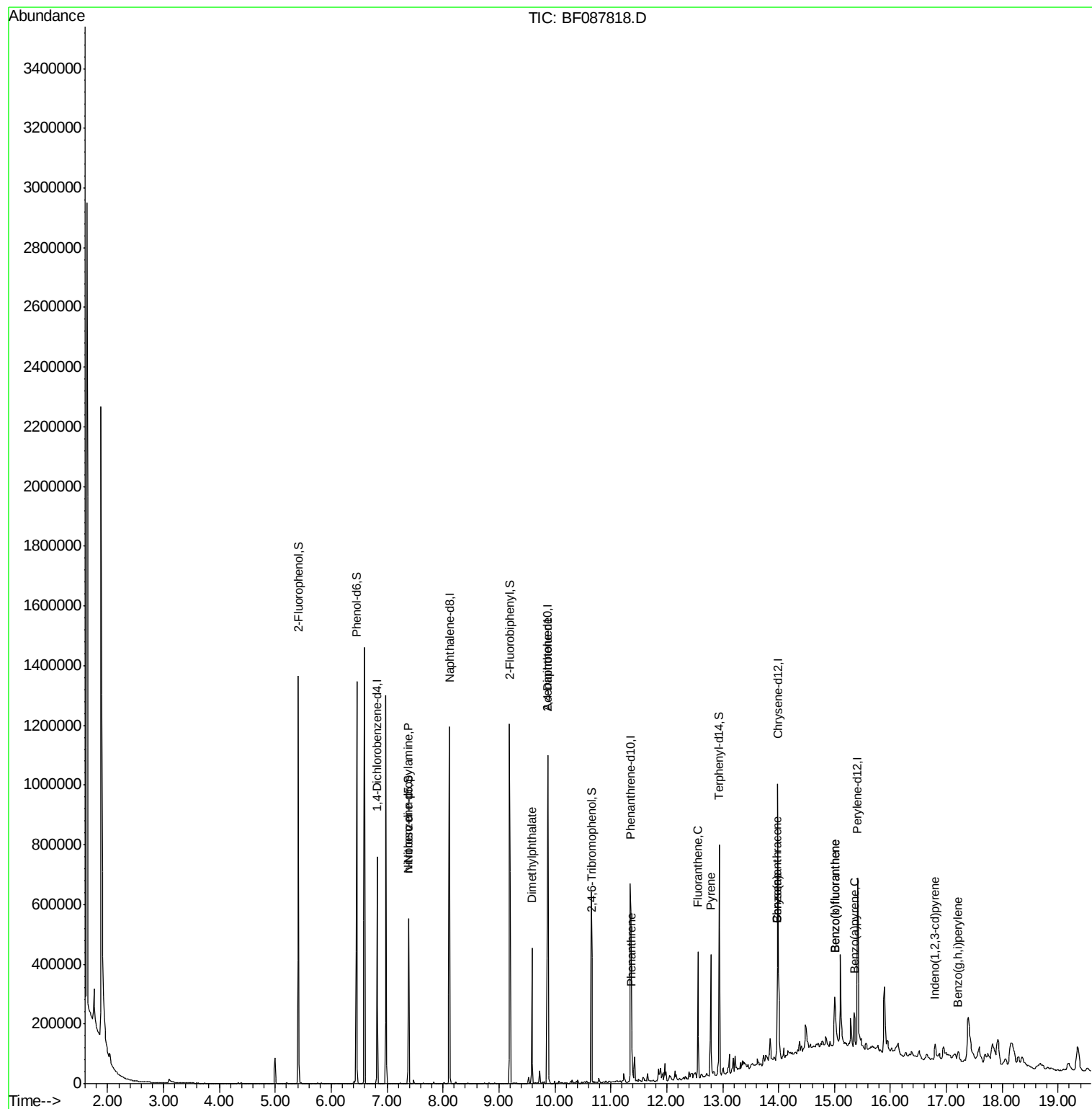
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.47	94	2562	Below Cal		83
19) n-Nitroso-di-n-propylamine	7.38	70	34426	6.16 ng	#	76
45) 1,1'-Biphenyl	9.29	154	406	Below Cal	#	43
49) Dimethylphthalate	9.59	163	177795	10.57 ng		100
56) 2,4-Dinitrotoluene	9.87	165	29857	6.03 ng	#	38
57) Fluorene	10.41	166	3686	Below Cal	#	97
70) Phenanthrene	11.37	178	80488	4.37 ng		100
74) Fluoranthene	12.56	202	171411	8.83 ng		98
77) Pyrene	12.79	202	159499	7.60 ng		99
80) Benzo(a)anthracene	13.98	228	93304	5.79 ng		99
82) Chrysene	13.98	228	93304	6.15 ng		96
85) Indeno(1,2,3-cd)pyrene	16.80	276	32954	2.34 ng	#	100
87) Benzo(b)fluoranthene	15.01	252	120246	6.87 ng	#	95
88) Benzo(k)fluoranthene	15.01	252	118813	9.00 ng		100
89) Benzo(a)pyrene	15.36	252	61025	4.31 ng	#	95
91) Benzo(g,h,i)perylene	17.21	276	31146	2.30 ng		98

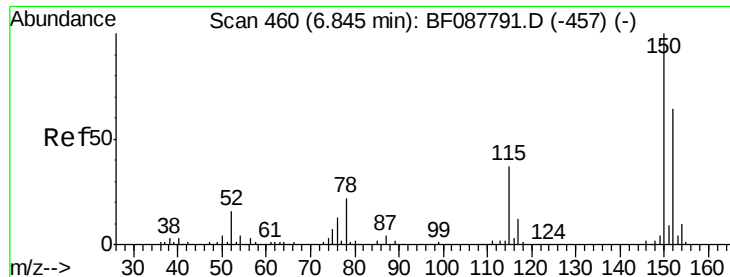
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 458

Delta R.T. -0.02 min

Lab File: BF087818.D

Acq: 8 Jun 2016 19:20

Instrument :

BNA_F

ClientSampled :

SS-19

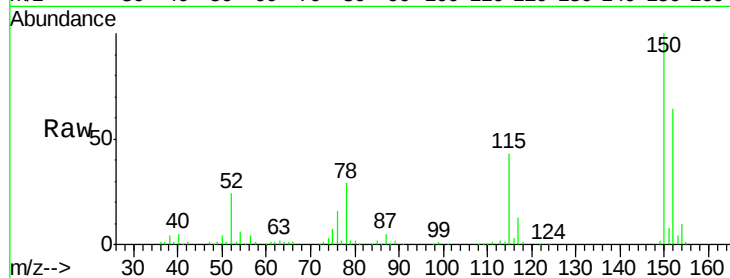
Tgt Ion:152 Resp: 123264

Ion Ratio Lower Upper

152 100

150 157.5 123.8 185.6

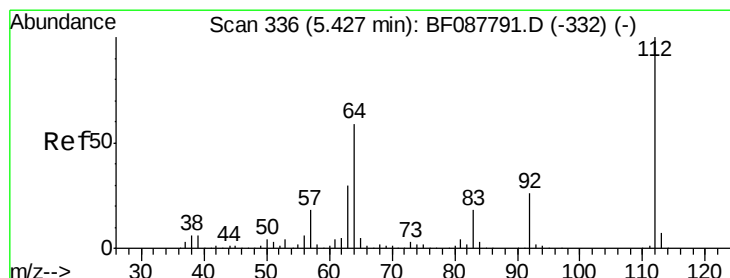
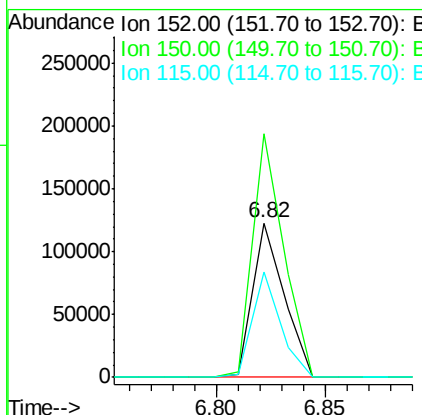
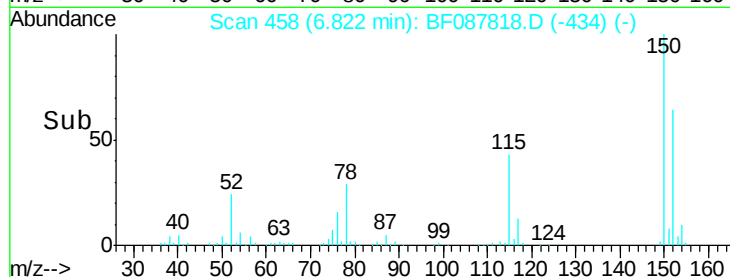
115 67.9 39.6 59.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 52.58 ng

RT: 5.42 min Scan# 335

Delta R.T. -0.01 min

Lab File: BF087818.D

Acq: 8 Jun 2016 19:20

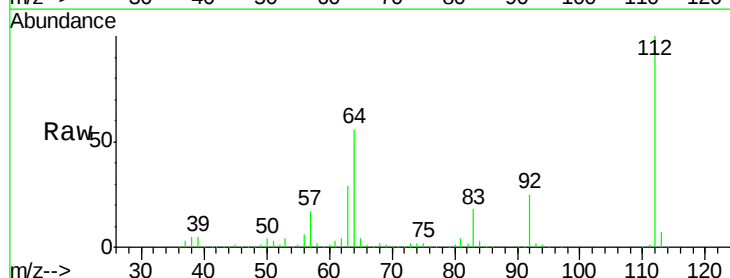
Tgt Ion:112 Resp: 379095

Ion Ratio Lower Upper

112 100

64 56.0 42.2 63.2

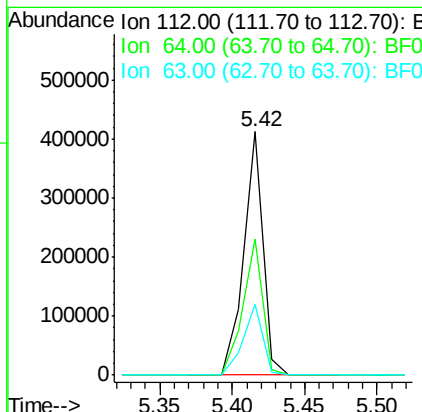
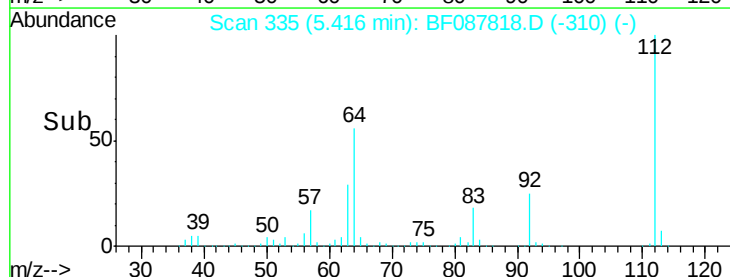
63 28.9 21.8 32.8



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 54.03 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087818.D

Acq: 8 Jun 2016 19:20

Instrument :

BNA_F

ClientSampleId :

SS-19

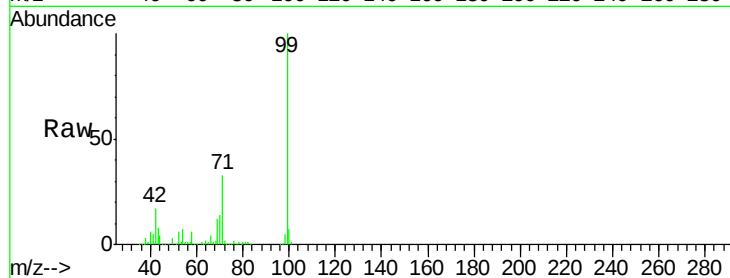
Tgt Ion: 99 Resp: 472107

Ion Ratio Lower Upper

99 100

42 16.7 12.2 18.2

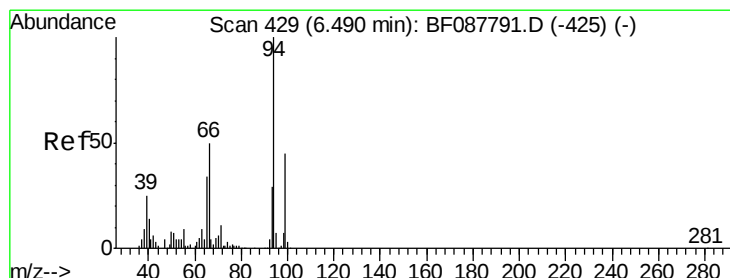
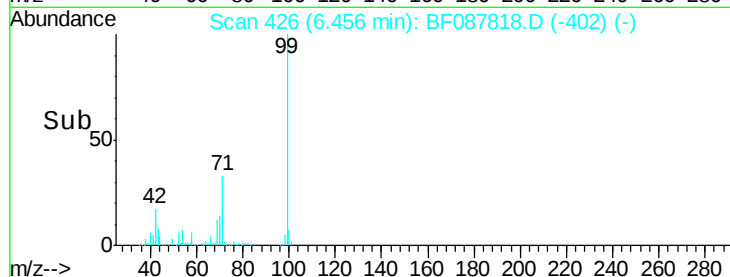
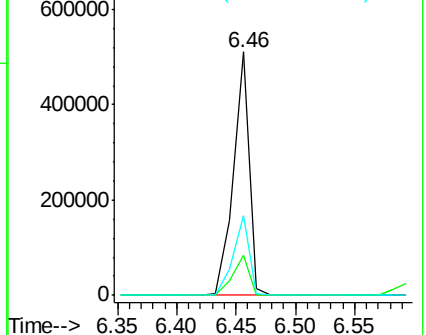
71 32.8 23.4 35.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: Below Cal

RT: 6.47 min Scan# 427

Delta R.T. -0.02 min

Lab File: BF087818.D

Acq: 8 Jun 2016 19:20

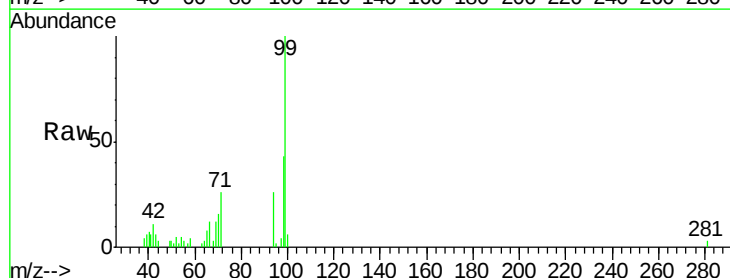
Tgt Ion: 94 Resp: 2562

Ion Ratio Lower Upper

94 100

65 31.0 5.9 45.9

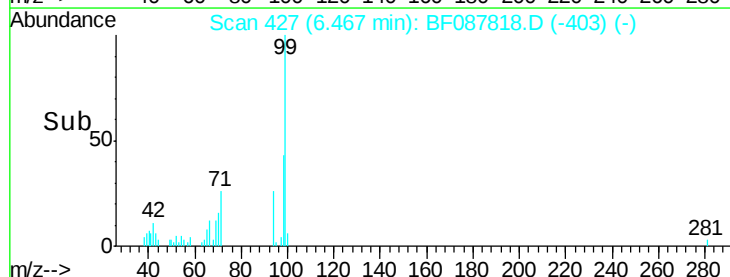
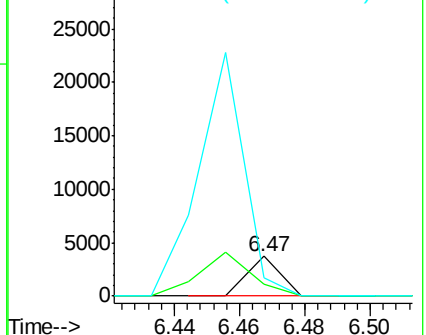
66 47.2 14.0 54.0

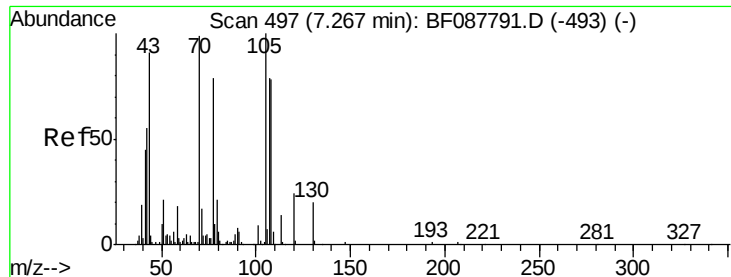


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

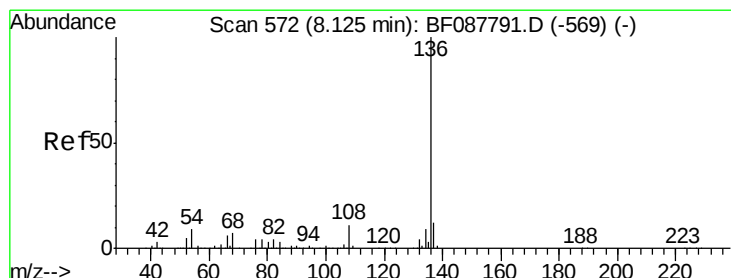
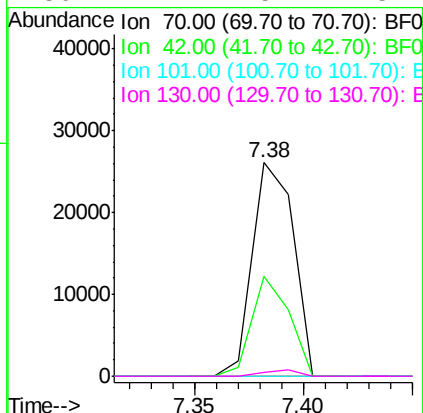
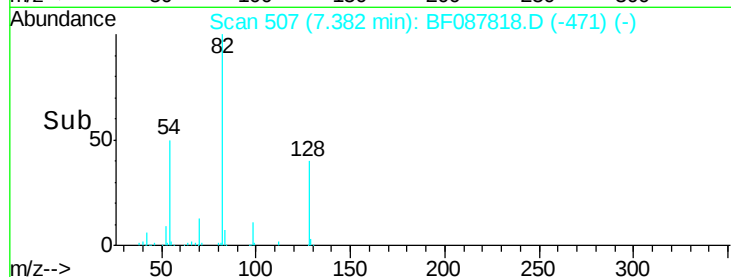
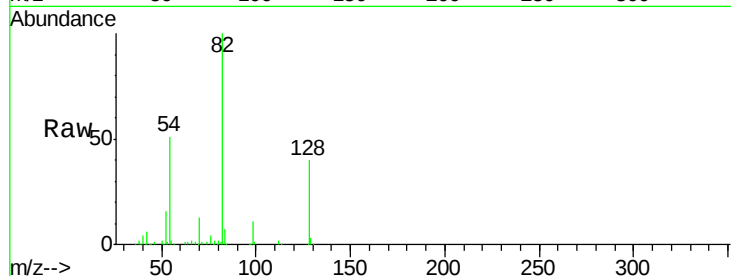




#19
n-Nitroso-di-n-propylamine
Concen: 6.16 ng
RT: 7.38 min Scan# 507
Delta R.T. 0.11 min
Lab File: BF087818.D
Acq: 8 Jun 2016 19:20

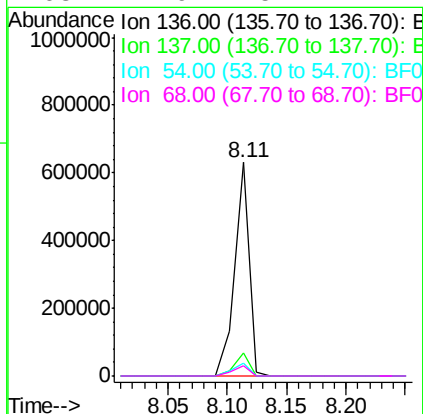
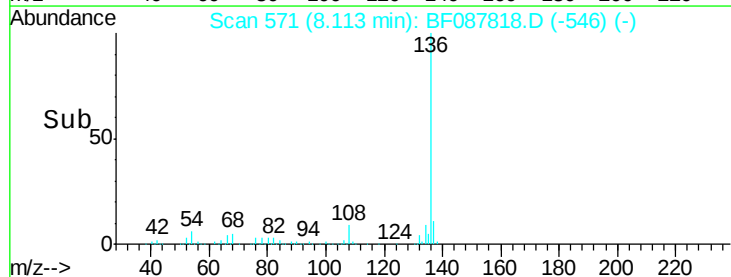
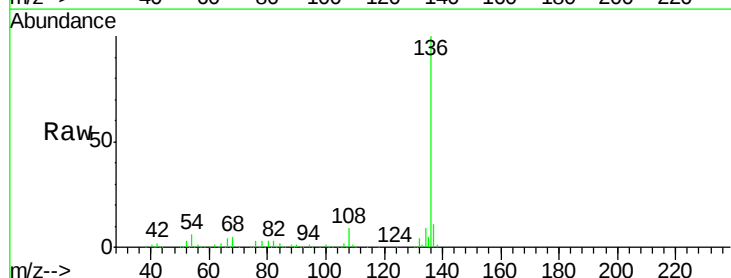
Instrument :
BNA_F
ClientSampleId :
SS-19

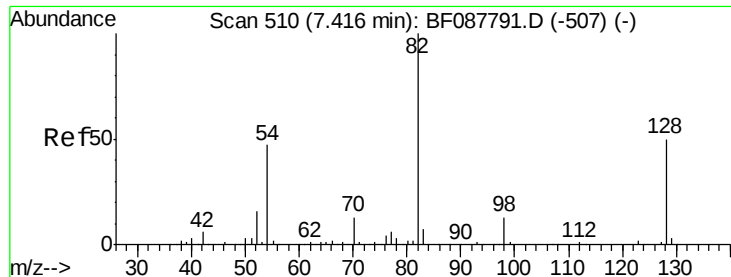
Tgt Ion: 70 Resp: 34426
Ion Ratio Lower Upper
70 100
42 46.9 49.6 74.4#
101 0.0 7.1 10.7#
130 2.1 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 571
Delta R.T. -0.01 min
Lab File: BF087818.D
Acq: 8 Jun 2016 19:20

Tgt Ion: 136 Resp: 534670
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 6.1 6.6 10.0#
68 4.9 5.1 7.7#

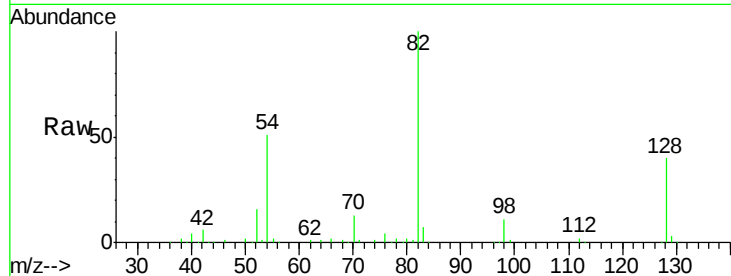




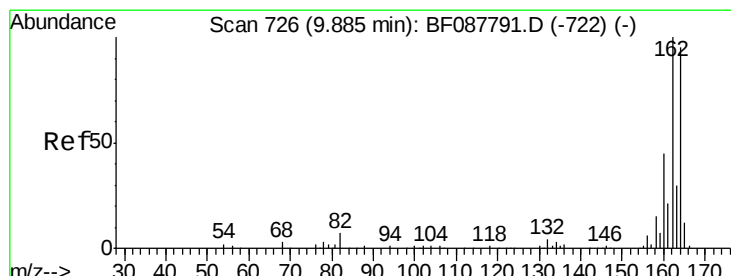
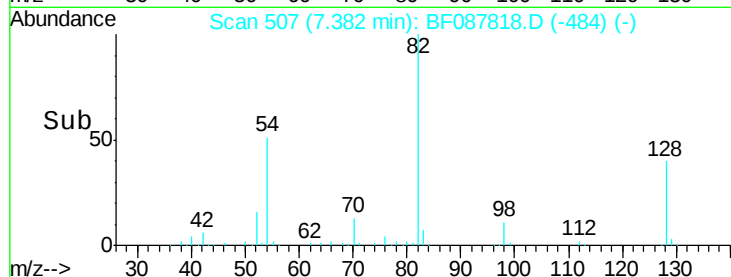
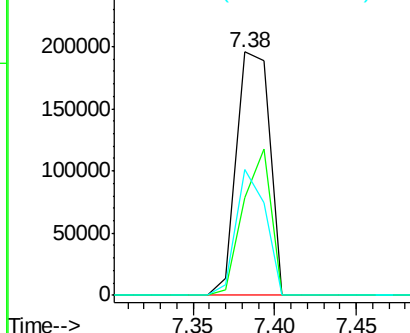
#23
 Nitrobenzene-d5
 Concen: 29.91 ng
 RT: 7.38 min Scan# 507
 Delta R.T. -0.03 min
 Lab File: BF087818.D
 Acq: 8 Jun 2016 19:20

Instrument :
 BNA_F
 ClientSampled :
 SS-19

Tgt Ion: 82 Resp: 273826
 Ion Ratio Lower Upper
 82 100
 128 40.2 35.9 53.9
 54 51.5 40.9 61.3

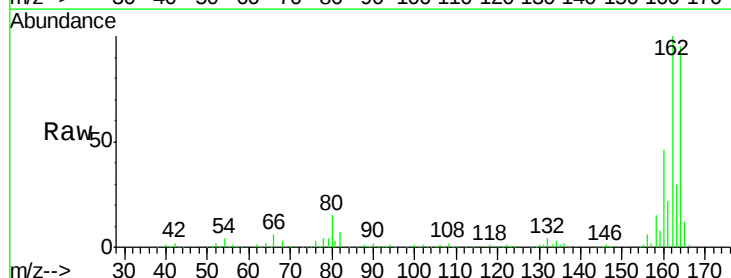


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

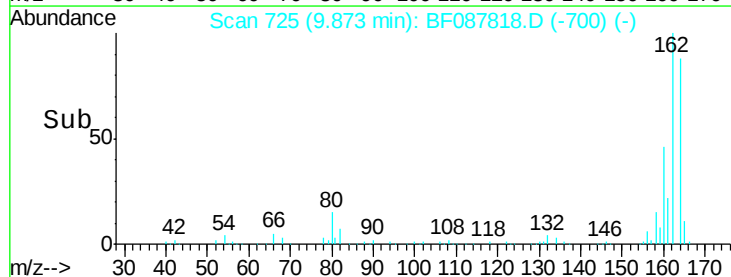
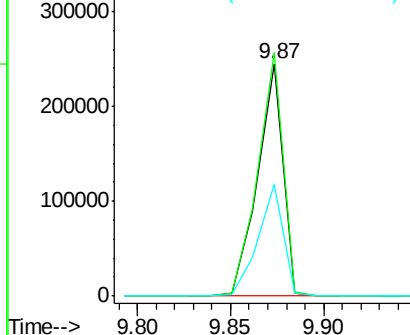


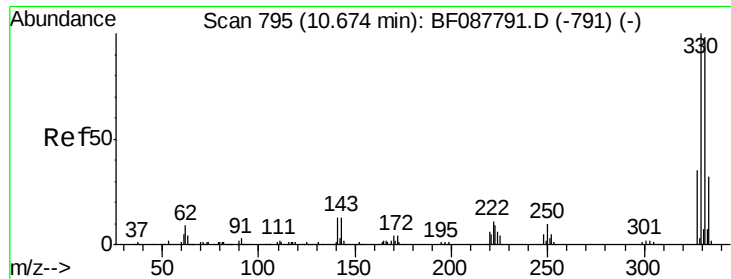
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.87 min Scan# 725
 Delta R.T. -0.01 min
 Lab File: BF087818.D
 Acq: 8 Jun 2016 19:20

Tgt Ion: 164 Resp: 232272
 Ion Ratio Lower Upper
 164 100
 162 104.8 85.4 128.2
 160 48.3 39.5 59.3



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

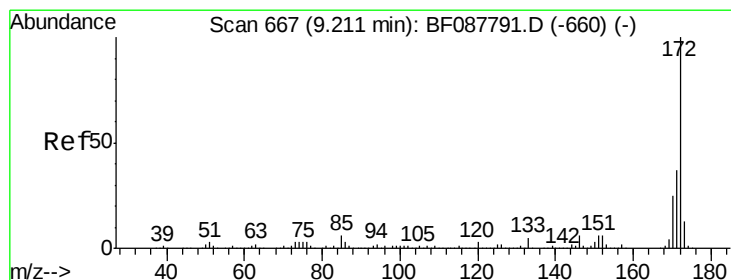
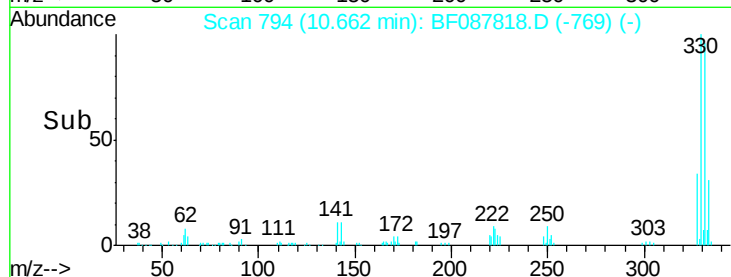
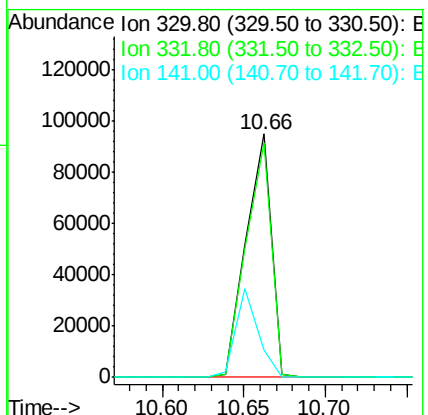
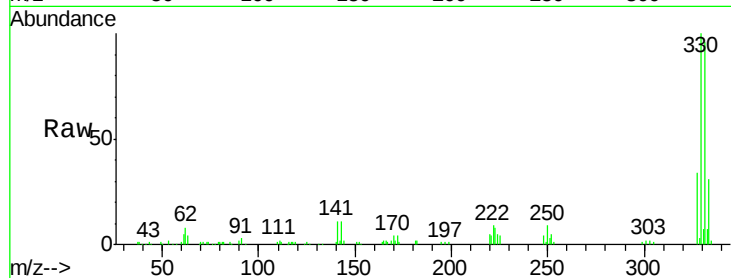




#41
 2,4,6-Tribromophenol
 Concen: 41.91 ng
 RT: 10.66 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF087818.D
 Acq: 8 Jun 2016 19:20

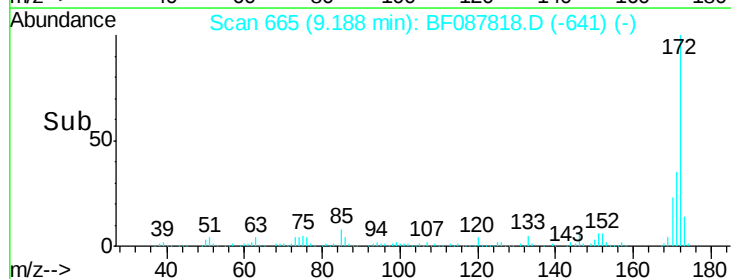
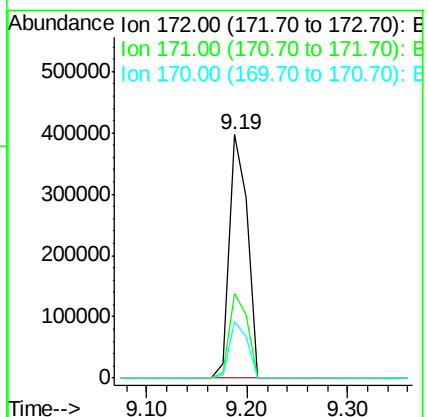
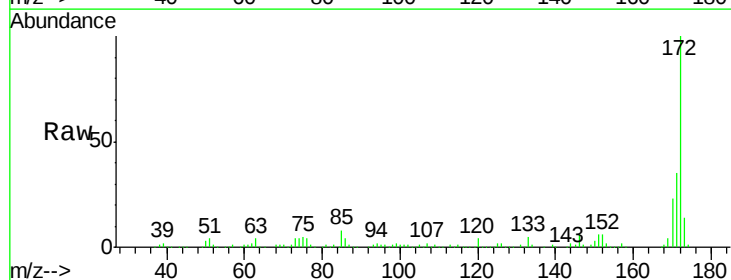
Instrument :
 BNA_F
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 SS-19

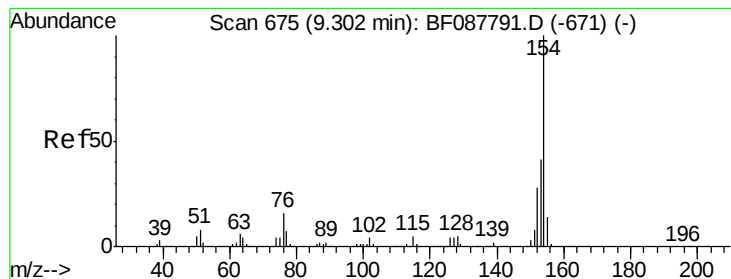
Tgt Ion:330 Resp: 102775
 Ion Ratio Lower Upper
 330 100
 332 96.3 0.0 0.0#
 141 31.8 0.0 0.0#



#44
 2-Fluorobiphenyl
 Concen: 29.85 ng
 RT: 9.19 min Scan# 665
 Delta R.T. -0.02 min
 Lab File: BF087818.D
 Acq: 8 Jun 2016 19:20

Tgt Ion:172 Resp: 494540
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.6 43.0
 170 23.3 19.2 28.8





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 9.29 min Scan# 674

Delta R.T. -0.01 min

Lab File: BF087818.D

Acq: 8 Jun 2016 19:20

Instrument :

BNA_F

ClientSampleId :

SS-19

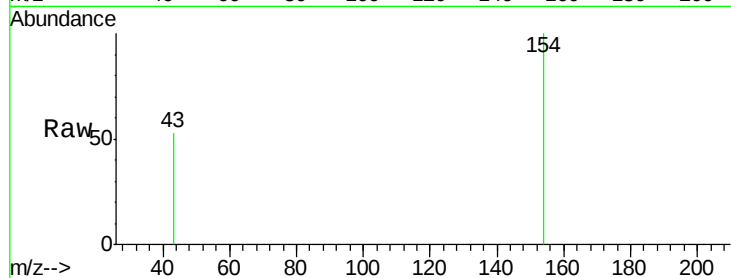
Tgt Ion:154 Resp: 406

Ion Ratio Lower Upper

154 100

153 0.0 20.6 60.6#

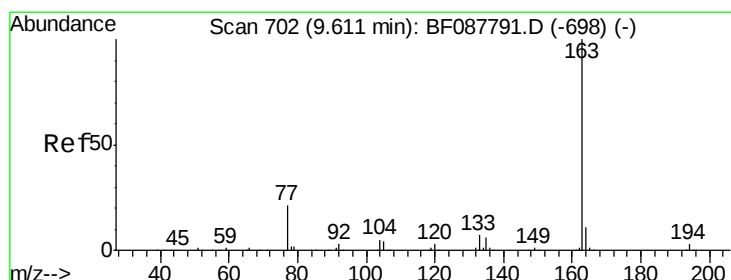
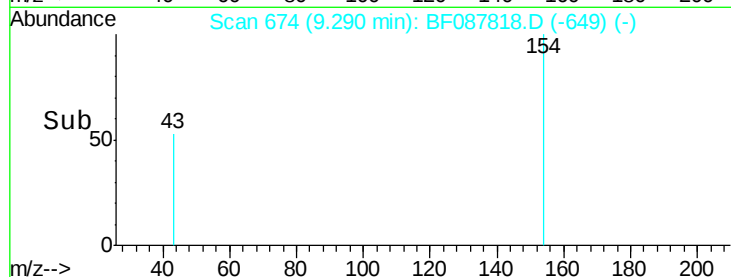
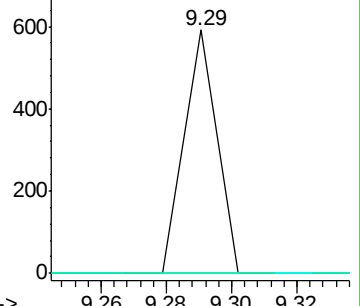
76 0.0 0.0 35.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#49

Dimethylphthalate

Concen: 10.57 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.02 min

Lab File: BF087818.D

Acq: 8 Jun 2016 19:20

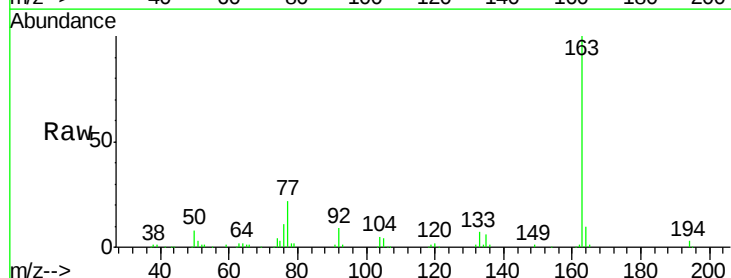
Tgt Ion:163 Resp: 177795

Ion Ratio Lower Upper

163 100

194 3.1 2.8 4.2

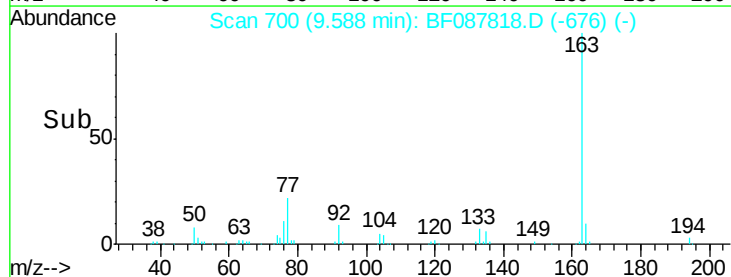
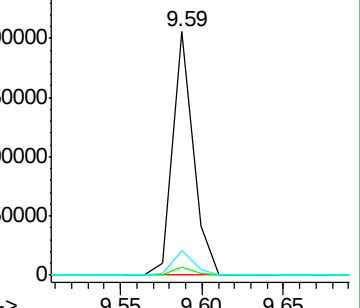
164 10.3 8.3 12.5

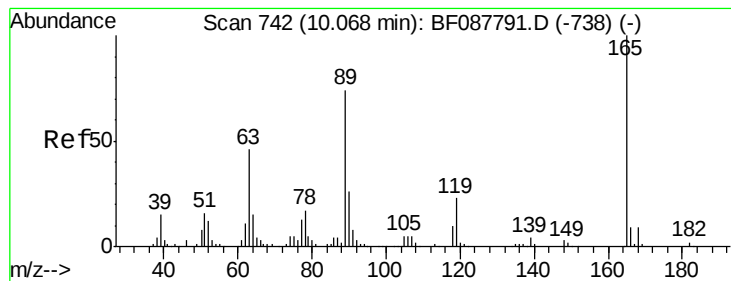


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#56

2,4-Dinitrotoluene

Concen: 6.03 ng

RT: 9.87 min Scan# 725

Delta R.T. -0.19 min

Lab File: BF087818.D

Acq: 8 Jun 2016 19:20

Instrument :

BNA_F

ClientSampleId :

SS-19

Tgt Ion:165 Resp: 29857

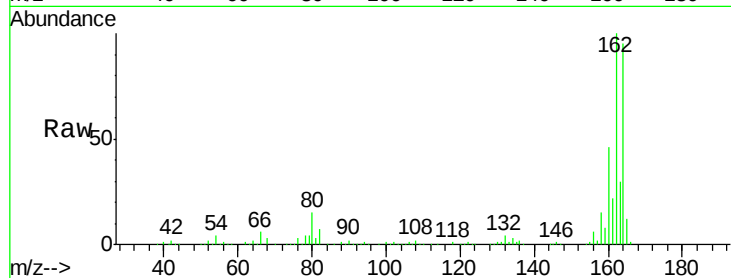
Ion Ratio Lower Upper

165 100

63 1.2 22.0 33.0#

89 1.7 41.1 61.7#

182 0.0 2.0 3.0#

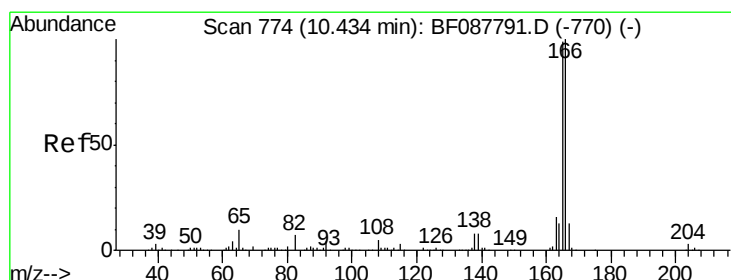
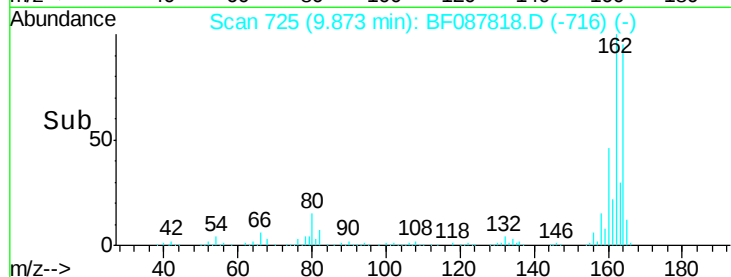
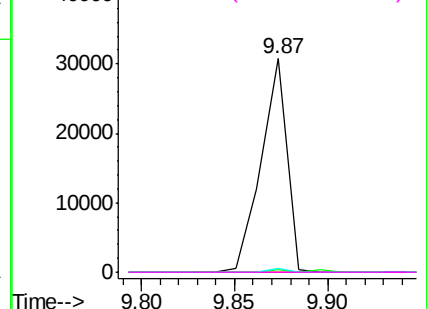


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: Below Cal

RT: 10.41 min Scan# 772

Delta R.T. -0.02 min

Lab File: BF087818.D

Acq: 8 Jun 2016 19:20

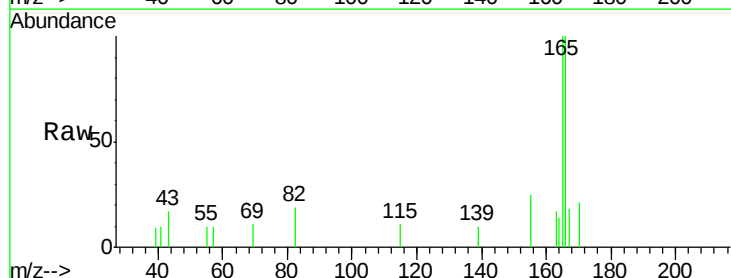
Tgt Ion:166 Resp: 3686

Ion Ratio Lower Upper

166 100

165 99.5 77.8 116.8

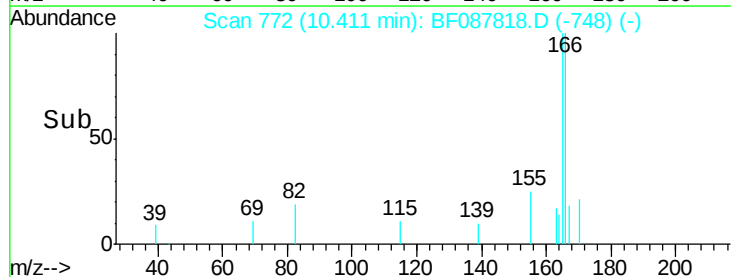
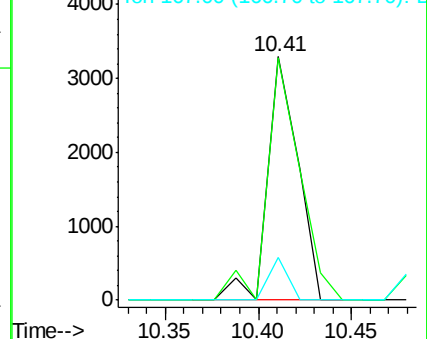
167 17.5 11.2 16.8#

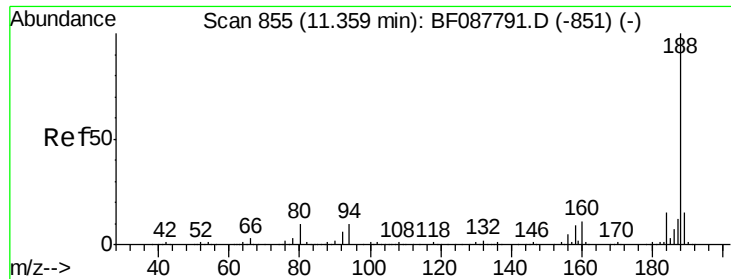


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

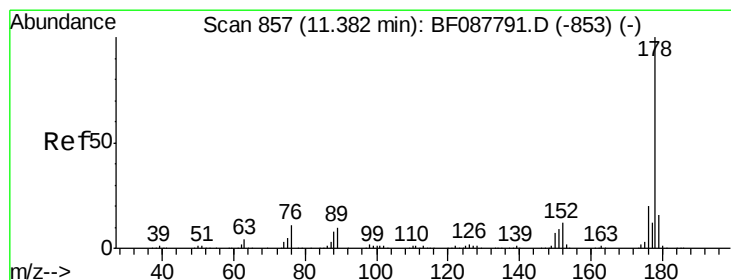
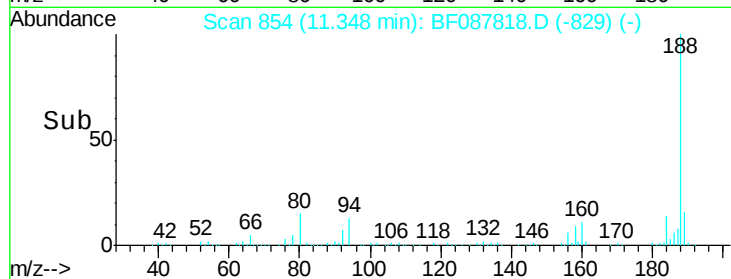
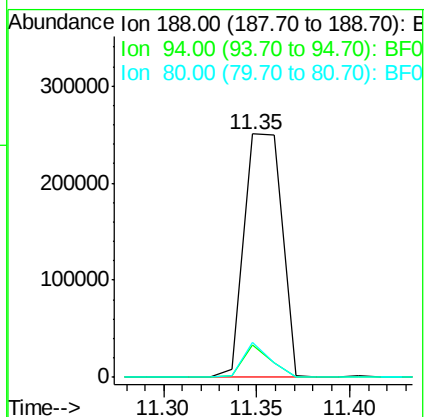
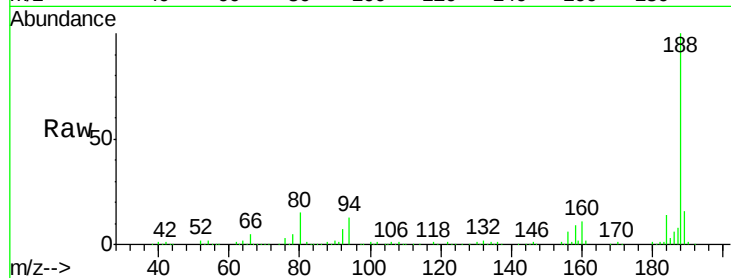




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF087818.D
Acq: 8 Jun 2016 19:20

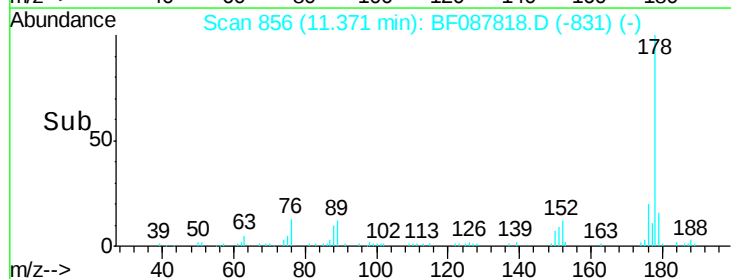
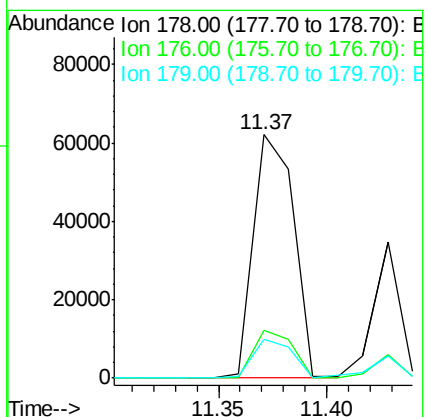
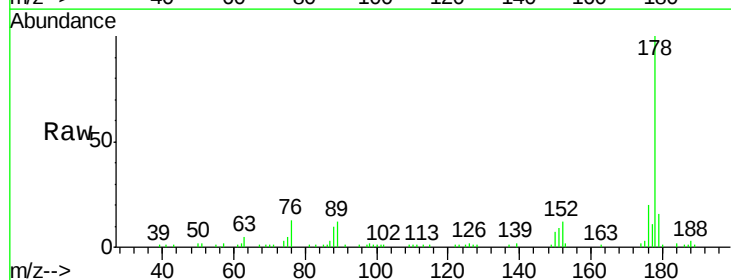
Instrument :
BNA_F
ClientSampleId :
SS-19

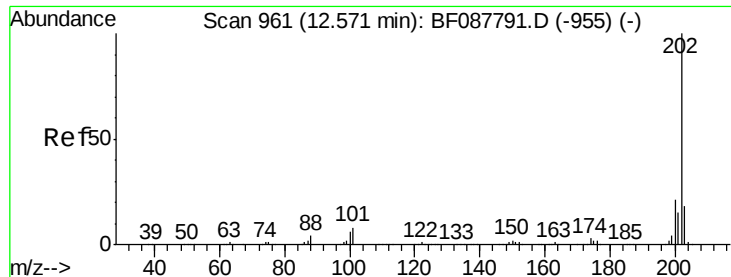
Tgt Ion:188 Resp: 350629
Ion Ratio Lower Upper
188 100
94 13.3 9.0 13.6
80 14.5 10.0 15.0



#70
Phenanthrene
Concen: 4.37 ng
RT: 11.37 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF087818.D
Acq: 8 Jun 2016 19:20

Tgt Ion:178 Resp: 80488
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.6
179 16.1 13.0 19.4





#74

Fluoranthene

Concen: 8.83 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF087818.D

Acq: 8 Jun 2016 19:20

Instrument :

BNA_F

ClientSampleId :

SS-19

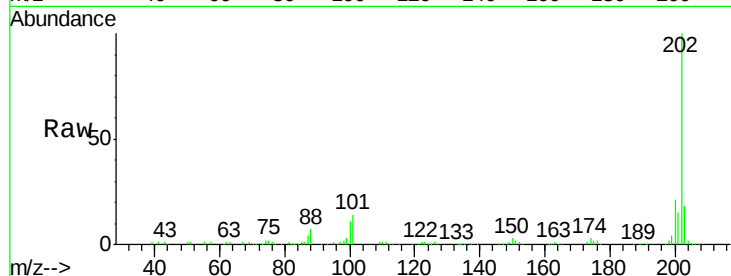
Tgt Ion:202 Resp: 171411

Ion Ratio Lower Upper

202 100

101 14.5 0.0 33.1

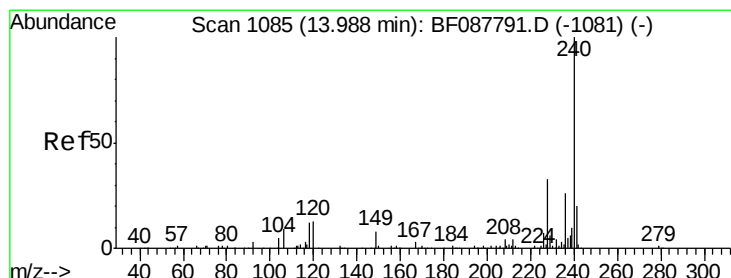
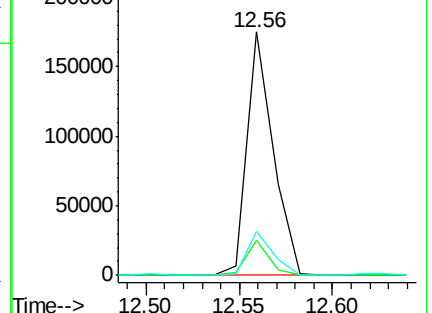
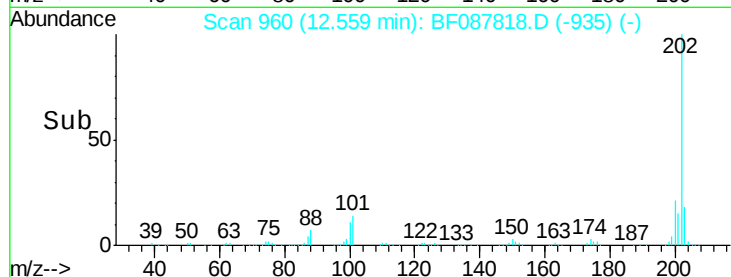
203 17.8 0.0 38.1



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: 20.00 ng

RT: 13.99 min Scan# 1085

Delta R.T. -0.00 min

Lab File: BF087818.D

Acq: 8 Jun 2016 19:20

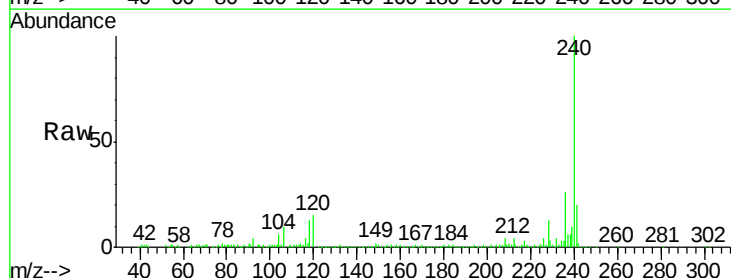
Tgt Ion:240 Resp: 282950

Ion Ratio Lower Upper

240 100

120 14.9 6.8 10.2#

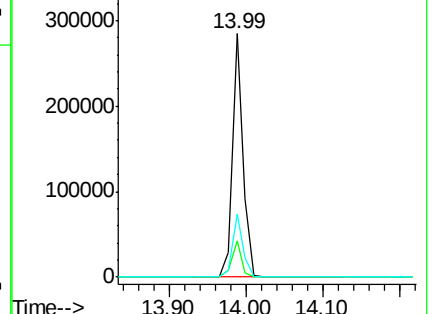
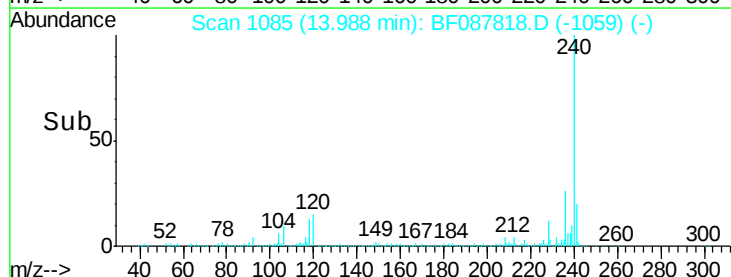
236 26.1 20.2 30.2

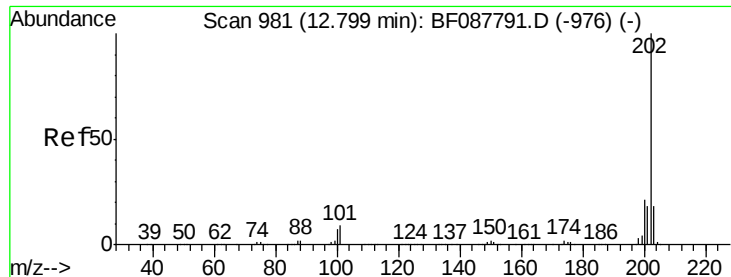


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

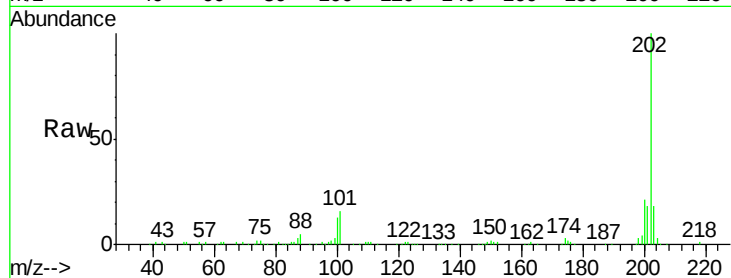




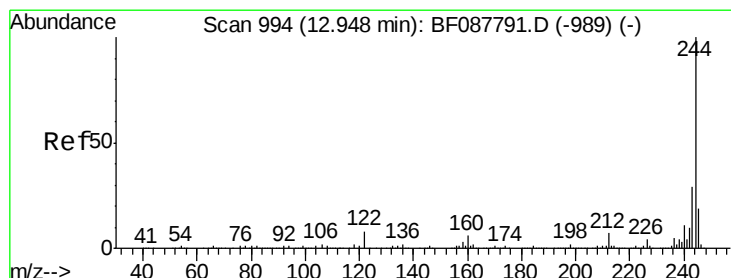
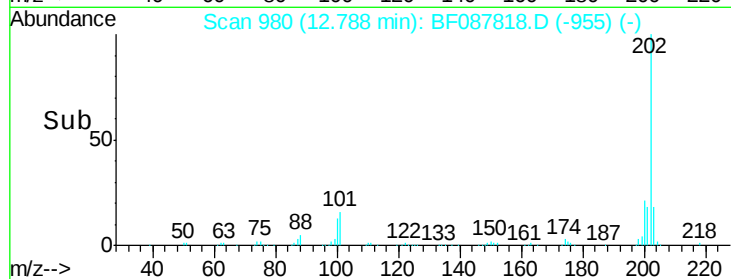
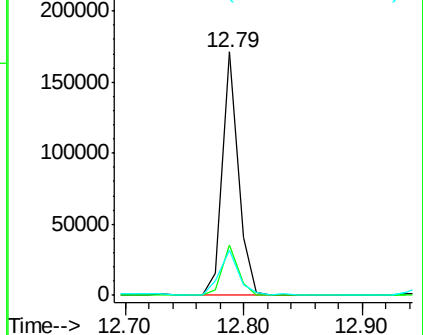
#77
 Pyrene
 Concen: 7.60 ng
 RT: 12.79 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: BF087818.D
 Acq: 8 Jun 2016 19:20

Instrument :
 BNA_F
 ClientSampleId :
 SS-19

Tgt Ion: 202 Resp: 159499
 Ion Ratio Lower Upper
 202 100
 200 20.9 17.4 26.2
 203 18.5 14.5 21.7

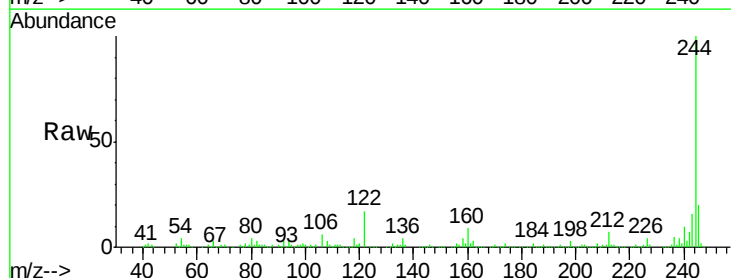


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

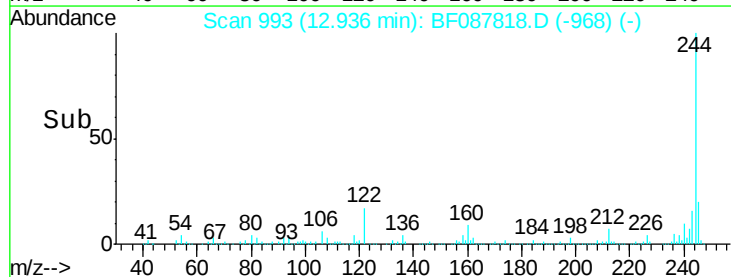
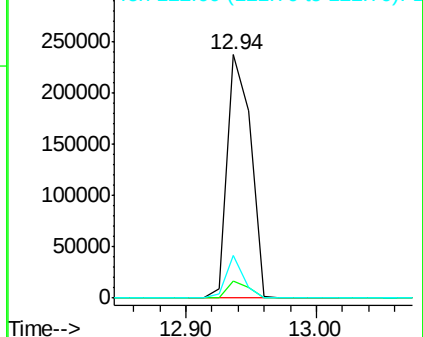


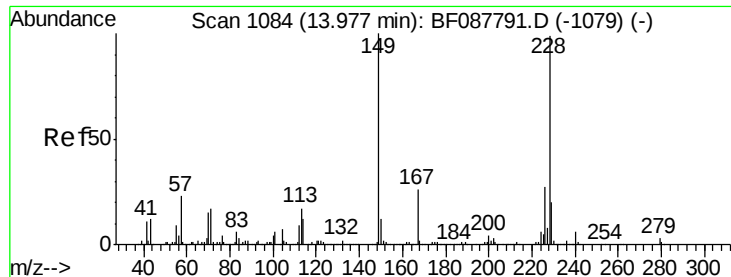
#78
 Terphenyl-d14
 Concen: 23.74 ng
 RT: 12.94 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: BF087818.D
 Acq: 8 Jun 2016 19:20

Tgt Ion: 244 Resp: 295161
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 17.3 11.2 16.8#



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: 5.79 ng

RT: 13.98 min Scan# 1084

Delta R.T. -0.00 min

Lab File: BF087818.D

Acq: 8 Jun 2016 19:20

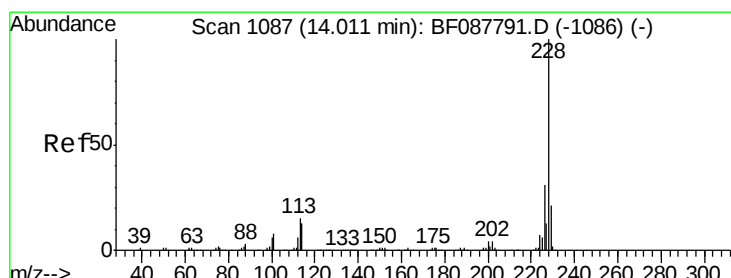
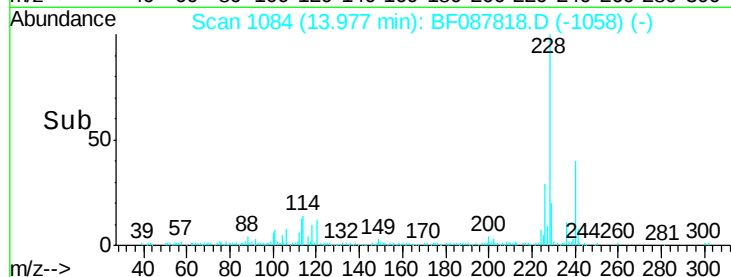
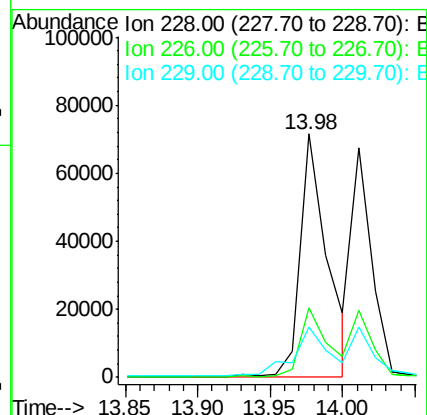
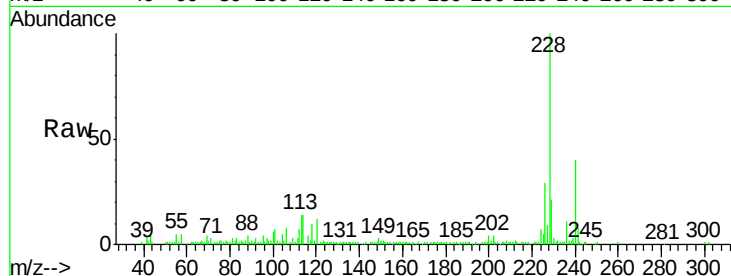
Instrument :

BNA_F

ClientSampleId :

SS-19

Tgt Ion:	228	Resp:	93304
Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.3	33.5
229	20.6	16.0	24.0



#82

Chrysene

Concen: 6.15 ng

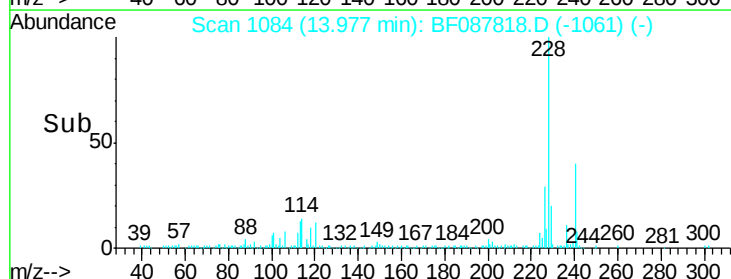
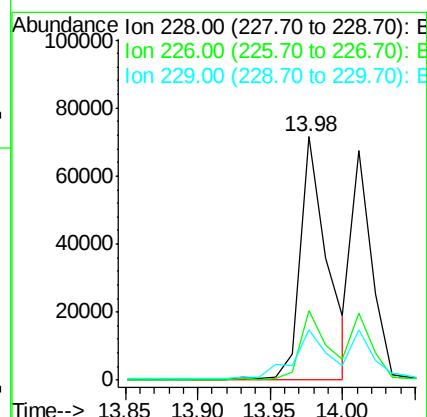
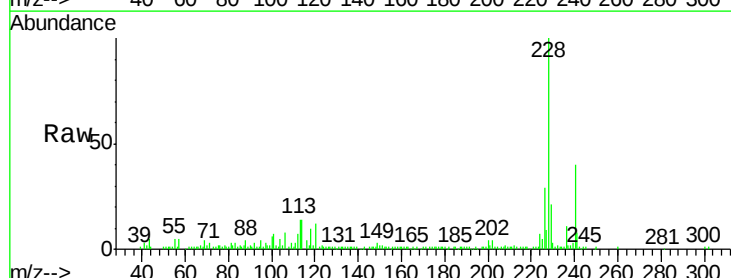
RT: 13.98 min Scan# 1084

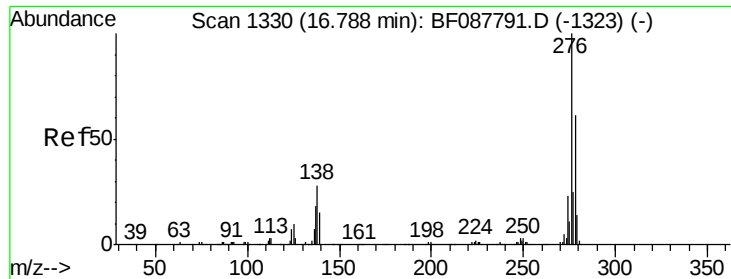
Delta R.T. -0.03 min

Lab File: BF087818.D

Acq: 8 Jun 2016 19:20

Tgt Ion:	228	Resp:	93304
Ion	Ratio	Lower	Upper
228	100		
226	28.6	25.4	38.2
229	20.6	16.3	24.5

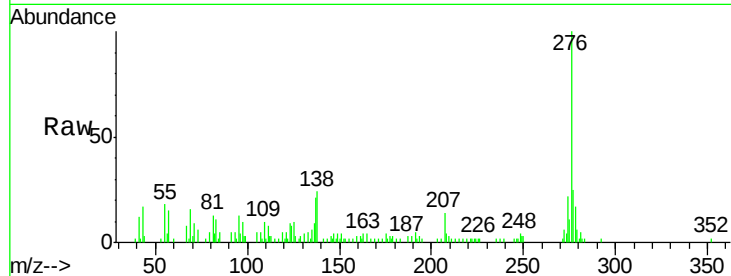




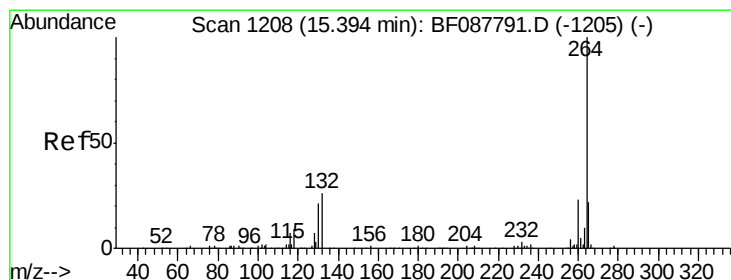
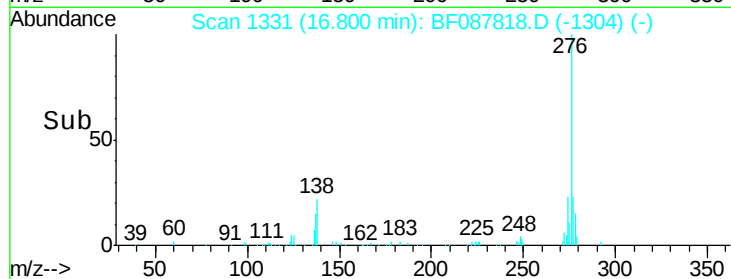
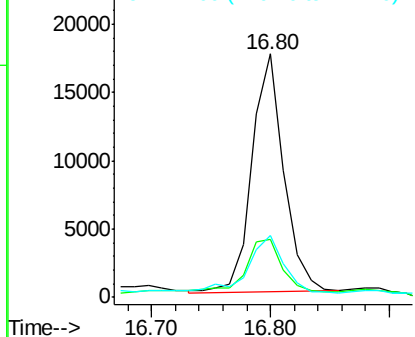
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.34 ng
 RT: 16.80 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: BF087818.D
 Acq: 8 Jun 2016 19:20

Instrument :
 BNA_F
 ClientSampleId :
 SS-19

Tgt Ion: 276 Resp: 32954
 Ion Ratio Lower Upper
 276 100
 138 26.3 0.0 0.0#
 277 31.3 0.0 0.0#

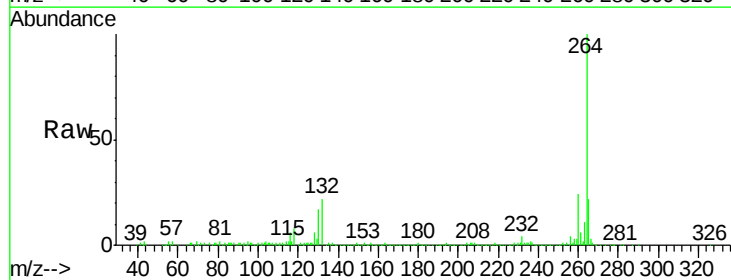


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

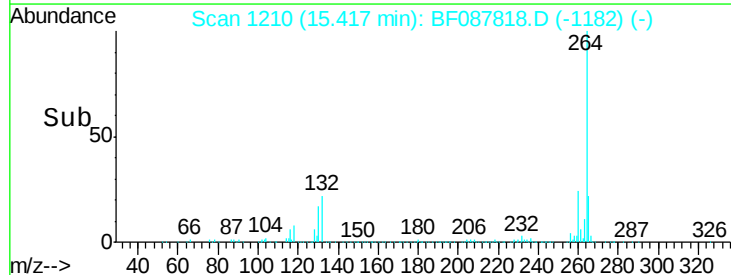
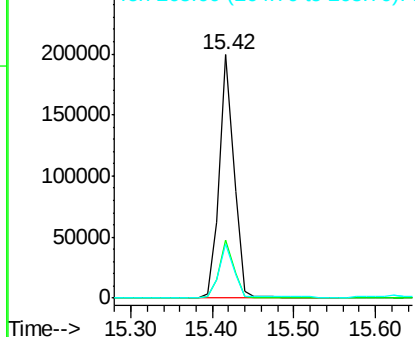


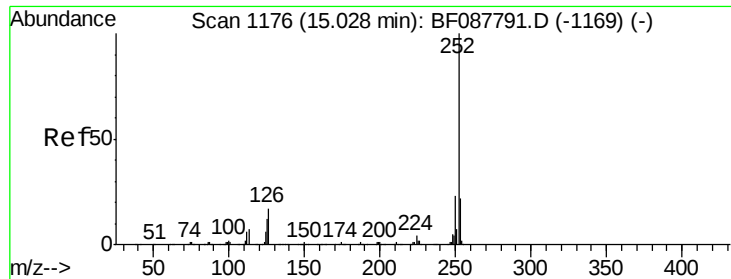
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.42 min Scan# 1210
 Delta R.T. 0.02 min
 Lab File: BF087818.D
 Acq: 8 Jun 2016 19:20

Tgt Ion: 264 Resp: 251020
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.2 28.8
 265 22.4 16.9 25.3



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

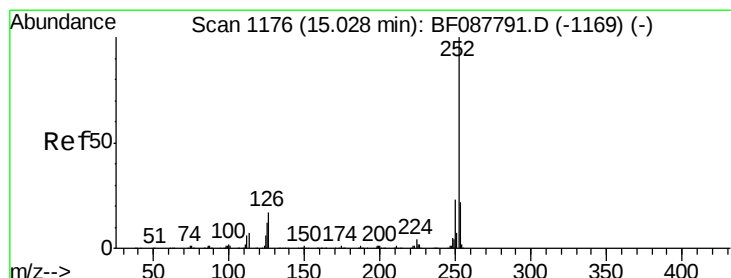
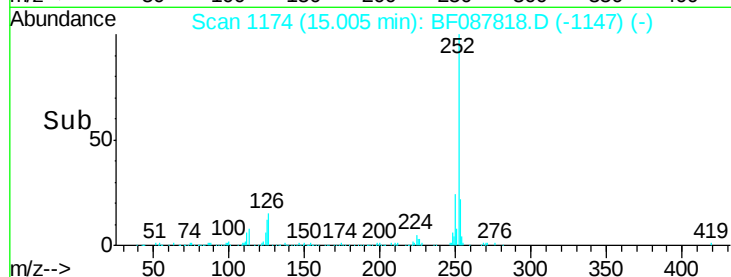
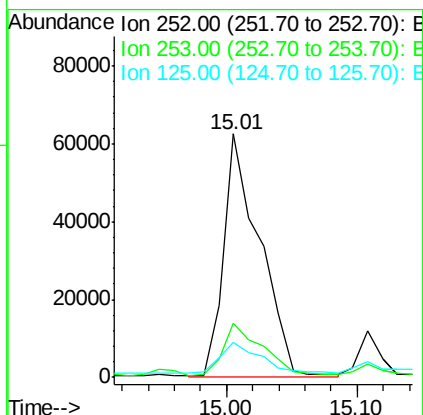
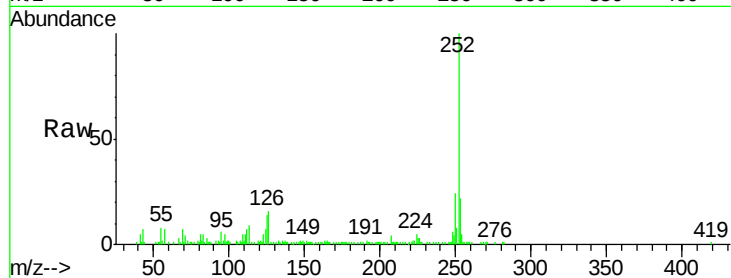




#87
Benzo(b)fluoranthene
Concen: 6.87 ng
RT: 15.01 min Scan# 1174
Delta R.T. 0.01 min
Lab File: BF087818.D
Acq: 8 Jun 2016 19:20

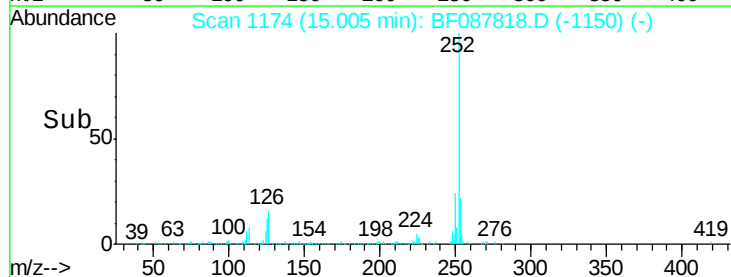
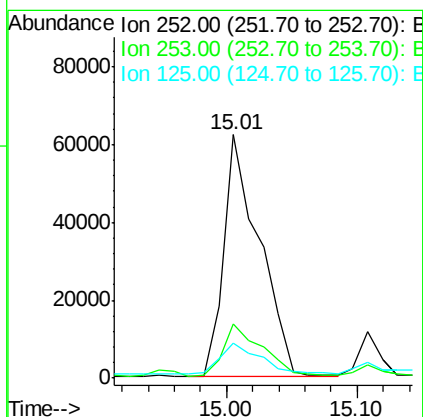
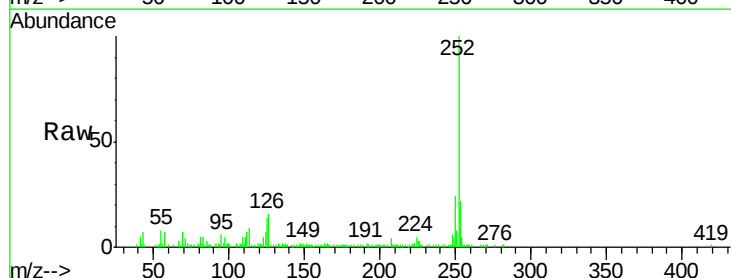
Instrument :
BNA_F
ClientSampleId :
SS-19

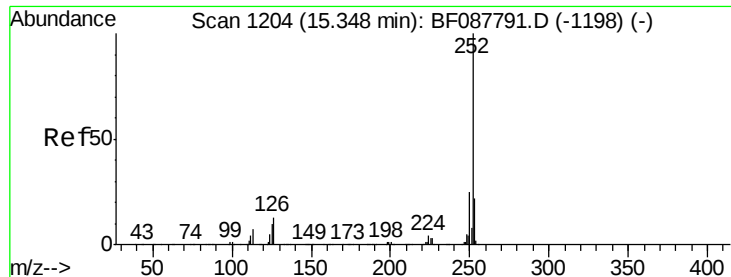
Tgt Ion:252 Resp: 120246
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 14.4 7.1 10.7#



#88
Benzo(k)fluoranthene
Concen: 9.00 ng
RT: 15.01 min Scan# 1174
Delta R.T. -0.02 min
Lab File: BF087818.D
Acq: 8 Jun 2016 19:20

Tgt Ion:252 Resp: 118813
Ion Ratio Lower Upper
252 100
253 22.5 18.0 27.0
125 14.4 11.2 16.8





#89

Benzo(a)pyrene

Concen: 4.31 ng

RT: 15.36 min Scan# 1205

Delta R.T. 0.01 min

Lab File: BF087818.D

Acq: 8 Jun 2016 19:20

Instrument :

BNA_F

ClientSampled :

SS-19

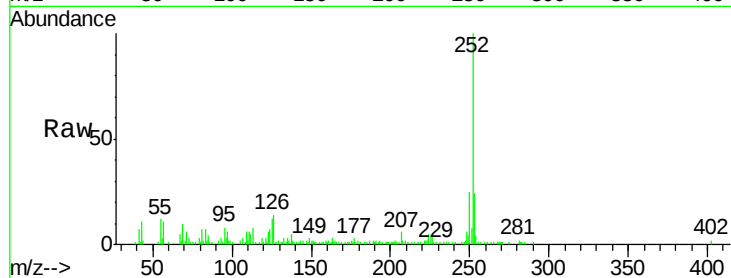
Tgt Ion:252 Resp: 61025

Ion Ratio Lower Upper

252 100

253 23.6 17.9 26.9

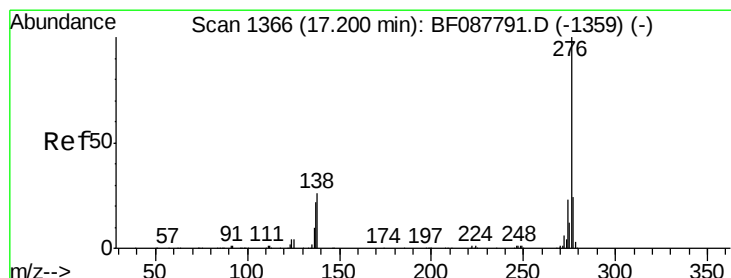
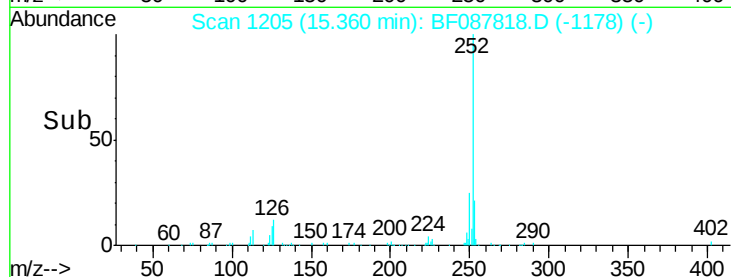
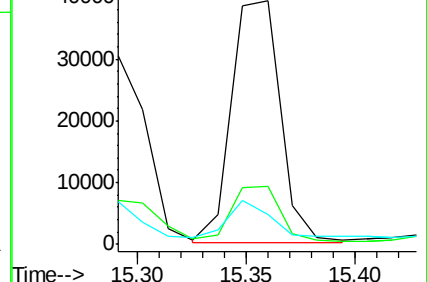
125 12.4 12.5 18.7#



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: 2.30 ng

RT: 17.21 min Scan# 1367

Delta R.T. 0.01 min

Lab File: BF087818.D

Acq: 8 Jun 2016 19:20

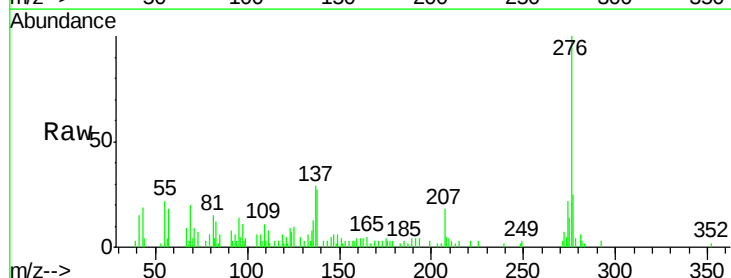
Tgt Ion:276 Resp: 31146

Ion Ratio Lower Upper

276 100

277 24.9 18.9 28.3

138 27.4 21.4 32.2



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

