

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080516\
 Data File : BF089638.D
 Acq On : 5 Aug 2016 19:25
 Operator : UM/SJ
 Sample : H4292-11
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS12-0-2IN

Quant Time: Aug 05 23:06:39 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 01:39:23 2016
 Response via : Initial Calibration

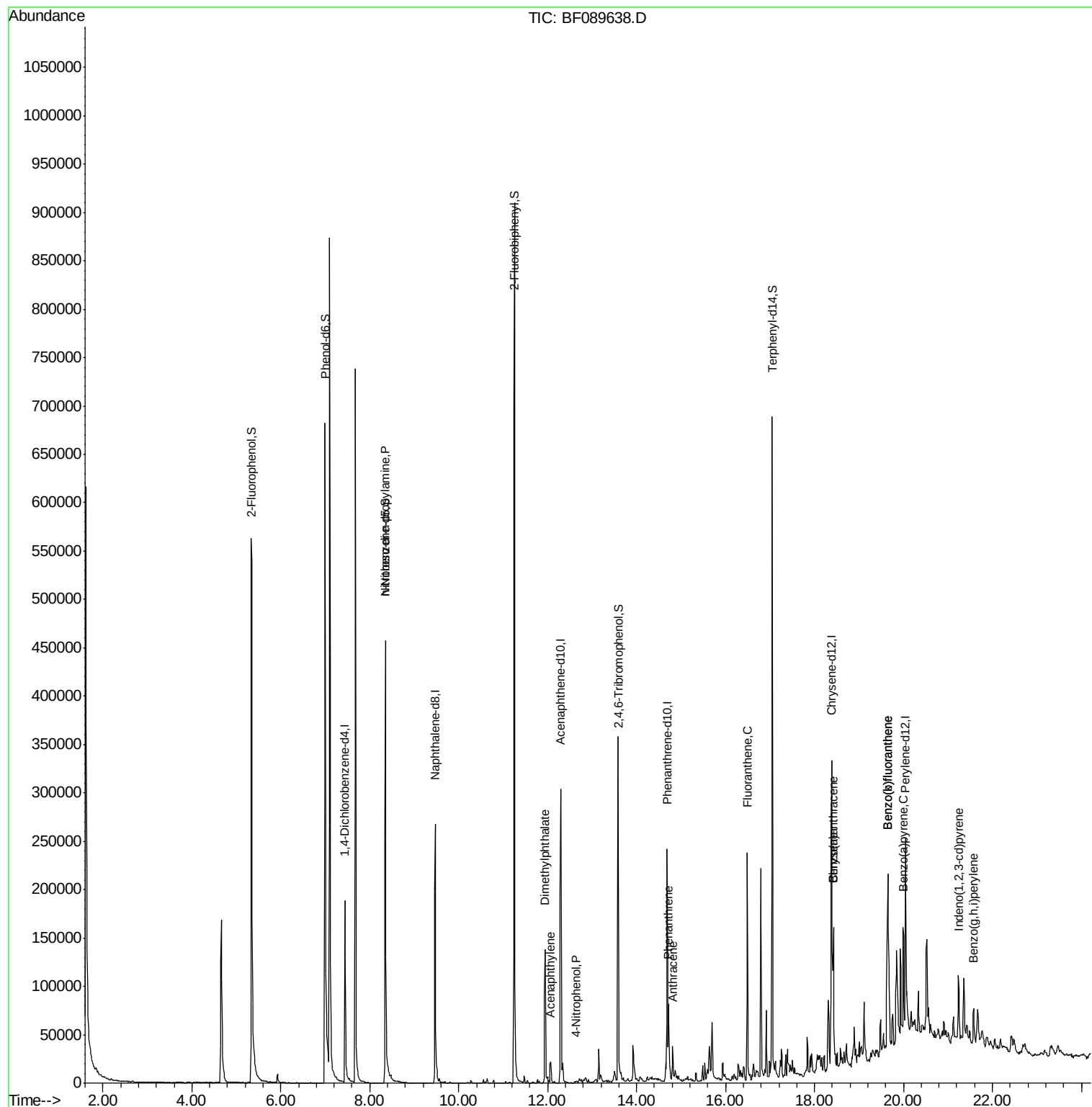
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	50738	20.00	ng	-0.01
21) Naphthalene-d8	9.47	136	204039	20.00	ng	0.00
38) Acenaphthene-d10	12.30	164	86022	20.00	ng	0.00
63) Phenanthrene-d10	14.69	188	133219	20.00	ng	-0.01
75) Chrysene-d12	18.39	240	108666	20.00	ng	0.00
86) Perylene-d12	20.05	264	96047	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	324594	107.23	ng	0.04
7) Phenol-d6	6.99	99	428188	104.27	ng	0.01
23) Nitrobenzene-d5	8.35	82	263293	71.38	ng	-0.01
41) 2,4,6-Tribromophenol	13.59	330	62807	88.47	ng	0.00
44) 2-Fluorobiphenyl	11.26	172	457502	69.12	ng	0.00
78) Terphenyl-d14	17.05	244	254764	46.28	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.35	70	32204	10.86	ng	# 83
48) Acenaphthylene	12.07	152	20529	2.14	ng	99
49) Dimethylphthalate	11.94	163	86265	12.79	ng	100
55) 4-Nitrophenol	12.64	139	637	7.23	ng	# 21
70) Phenanthrene	14.72	178	49555	6.84	ng	99
71) Anthracene	14.81	178	21456	2.76	ng	97
74) Fluoranthene	16.49	202	121285	16.29	ng	98
80) Benzo(a)anthracene	18.42	228	63040	10.10	ng	94
82) Chrysene	18.42	228	63040	9.62	ng	97
85) Indeno(1,2,3-cd)pyrene	21.23	276	34459	6.93	ng	94
87) Benzo(b)fluoranthene	19.65	252	128463	21.75	ng	# 95
88) Benzo(k)fluoranthene	19.65	252	128463	21.56	ng	99
89) Benzo(a)pyrene	20.00	252	64497	11.66	ng	97
91) Benzo(g,h,i)perylene	21.58	276	31102	5.88	ng	94

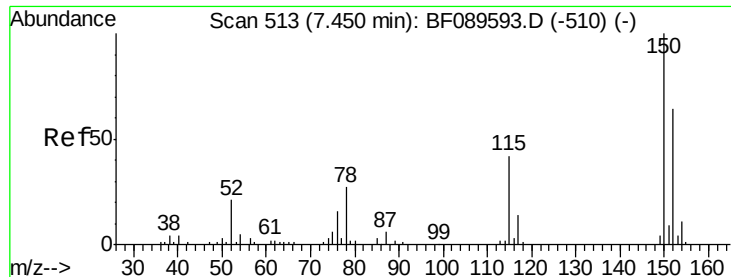
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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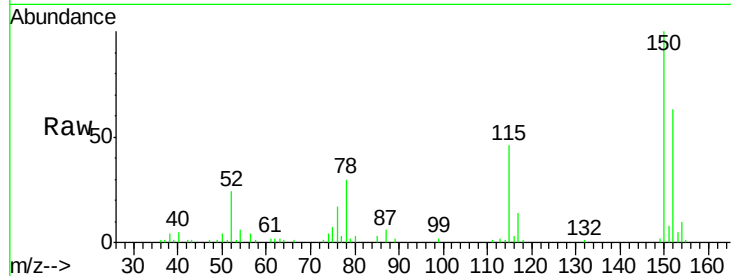


#1

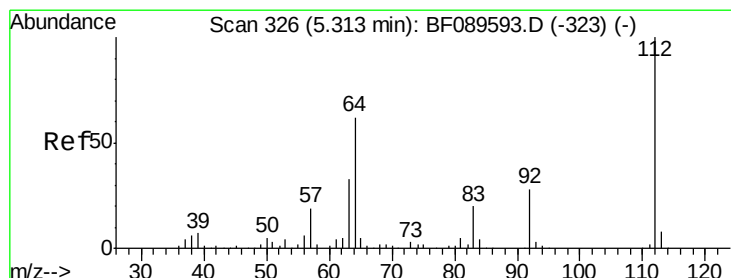
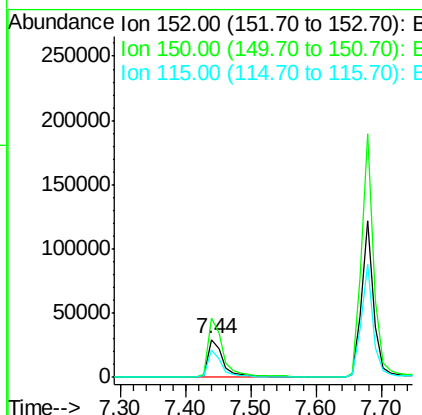
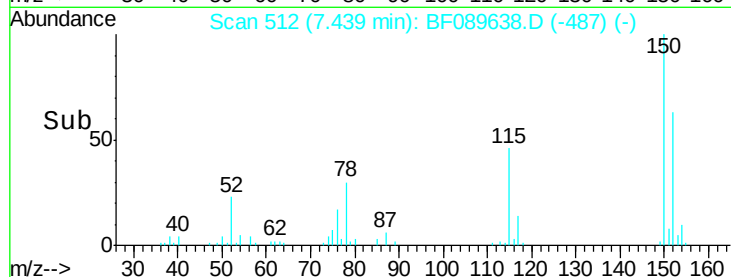
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.44 min Scan# 512
Delta R.T. -0.01 min
Lab File: BF089638.D
Acq: 5 Aug 2016 19:25

Instrument :
BNA_F
ClientSampleId :
SS12-0-2IN

Tgt Ion:152 Resp: 50738
Ion Ratio Lower Upper
152 100
150 157.8 125.5 188.3
115 72.3 52.0 78.0



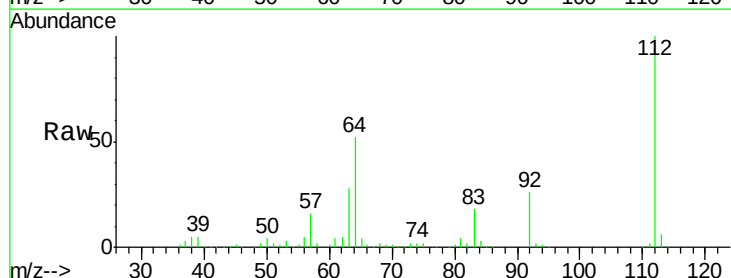
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



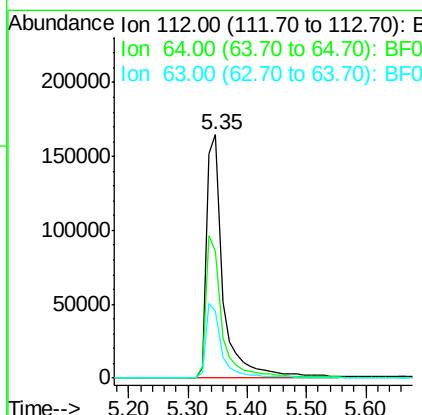
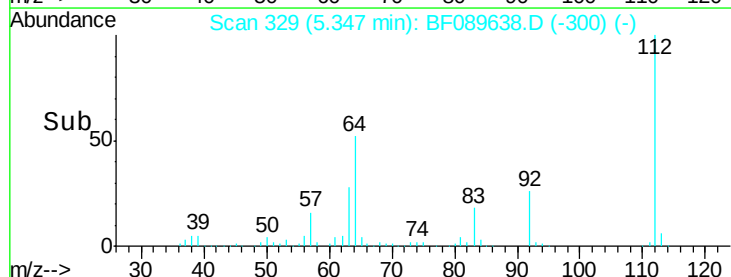
#5

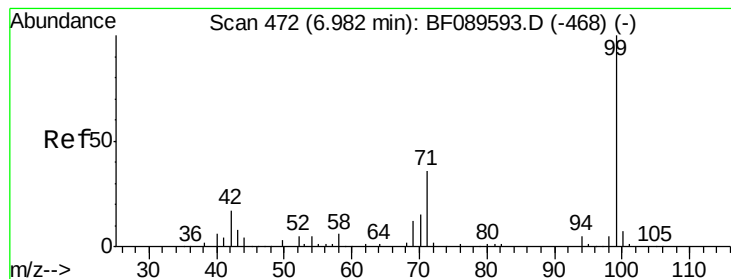
2-Fluorophenol
Concen: 107.23 ng
RT: 5.35 min Scan# 329
Delta R.T. 0.04 min
Lab File: BF089638.D
Acq: 5 Aug 2016 19:25

Tgt Ion:112 Resp: 324594
Ion Ratio Lower Upper
112 100
64 52.2 49.9 74.9
63 27.7 26.1 39.1



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: 104.27 ng

RT: 6.99 min Scan# 473

Delta R.T. 0.01 min

Lab File: BF089638.D

Acq: 5 Aug 2016 19:25

Instrument :

BNA_F

ClientSampleId :

SS12-0-2IN

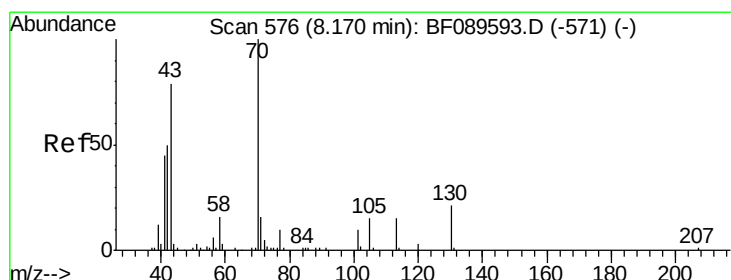
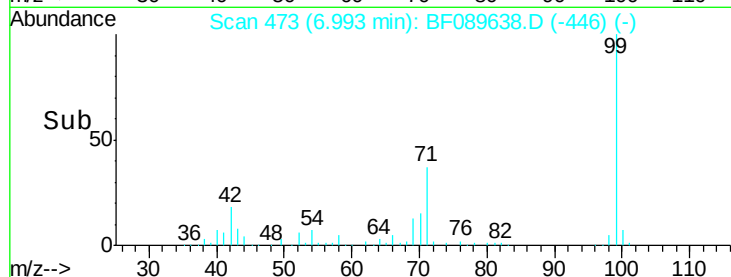
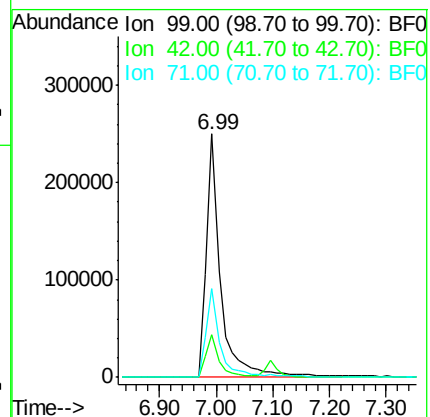
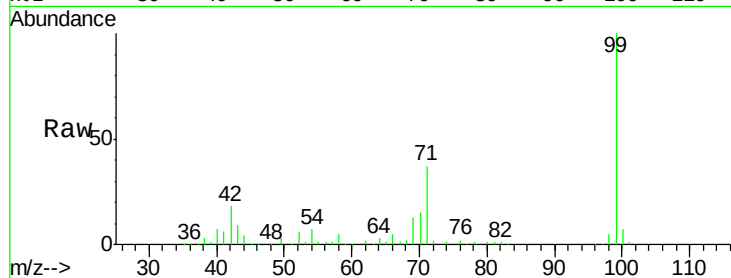
Tgt Ion: 99 Resp: 428188

Ion Ratio Lower Upper

99 100

42 17.6 13.7 20.5

71 36.6 29.0 43.4



#19

n-Nitroso-di-n-propylamine

Concen: 10.86 ng

RT: 8.35 min Scan# 592

Delta R.T. 0.18 min

Lab File: BF089638.D

Acq: 5 Aug 2016 19:25

Tgt Ion: 70 Resp: 32204

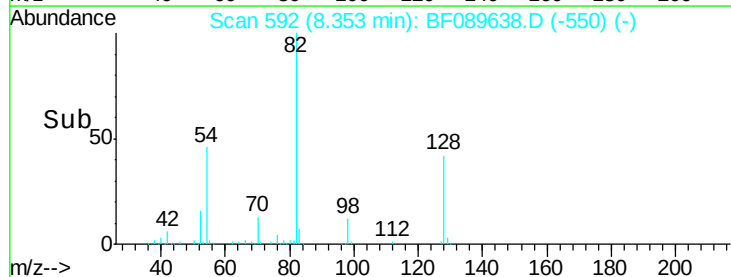
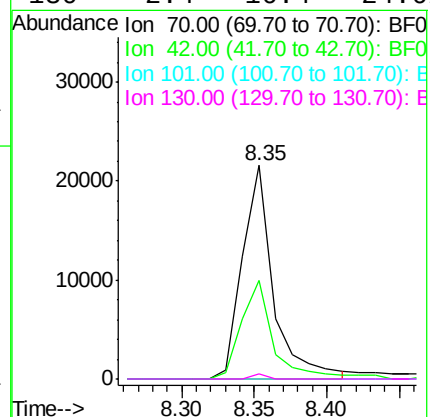
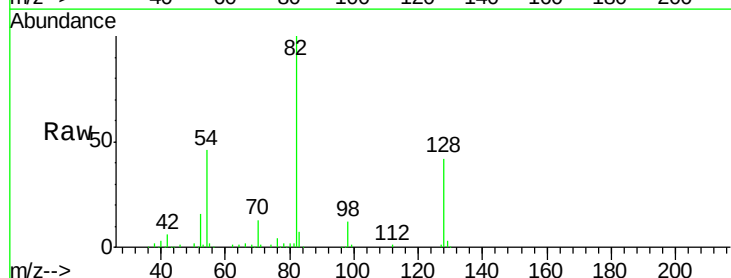
Ion Ratio Lower Upper

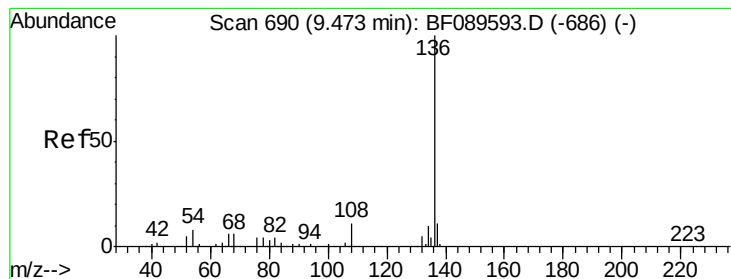
70 100

42 46.0 40.2 60.2

101 0.0 7.8 11.6#

130 2.4 16.4 24.6#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.47 min Scan# 690

Delta R.T. 0.00 min

Lab File: BF089638.D

Acq: 5 Aug 2016 19:25

Instrument :

BNA_F

ClientSampleId :

SS12-0-2IN

Tgt Ion:136 Resp: 204039

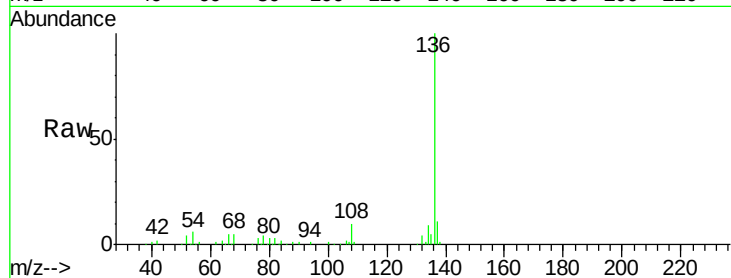
Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

54 6.3 6.0 9.0

68 5.2 4.6 6.8

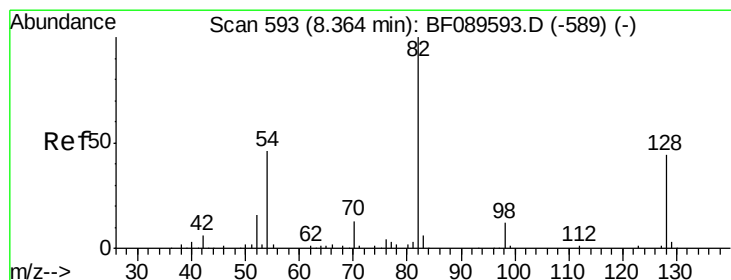
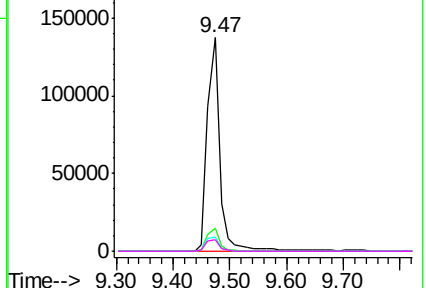
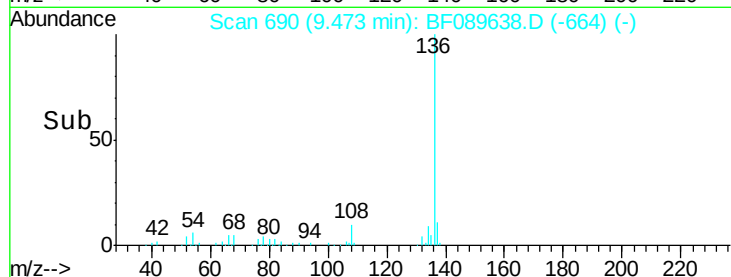


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 71.38 ng

RT: 8.35 min Scan# 592

Delta R.T. -0.01 min

Lab File: BF089638.D

Acq: 5 Aug 2016 19:25

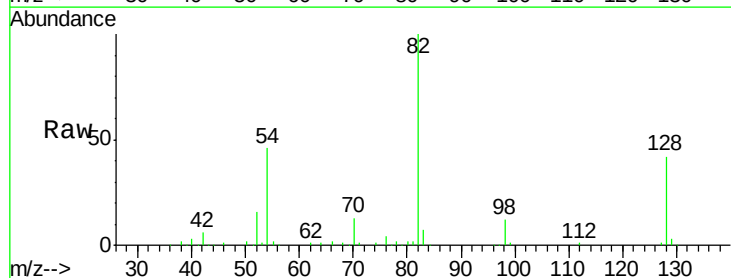
Tgt Ion: 82 Resp: 263293

Ion Ratio Lower Upper

82 100

128 42.3 35.4 53.0

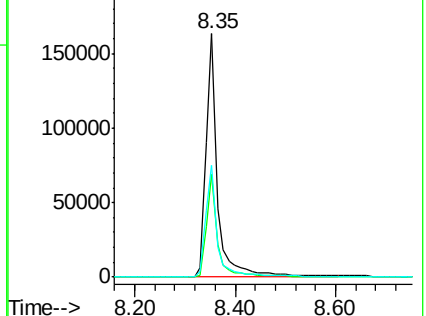
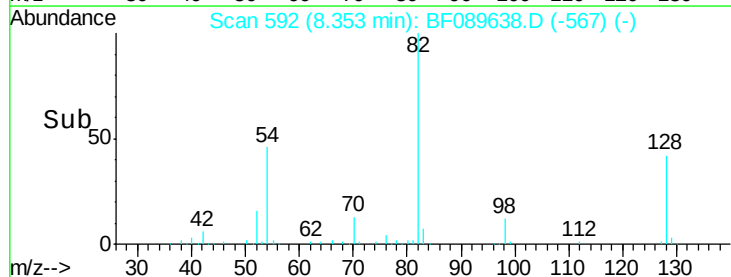
54 46.2 36.4 54.6

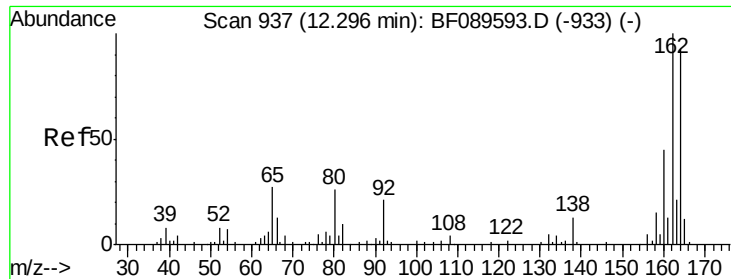


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

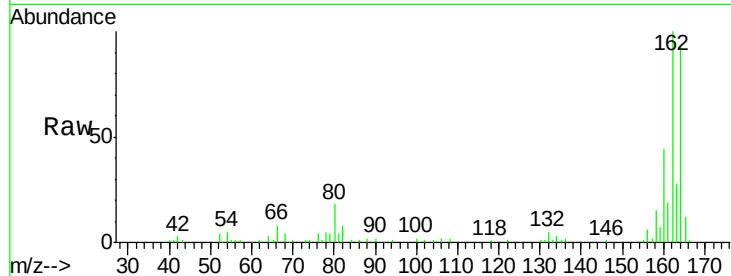




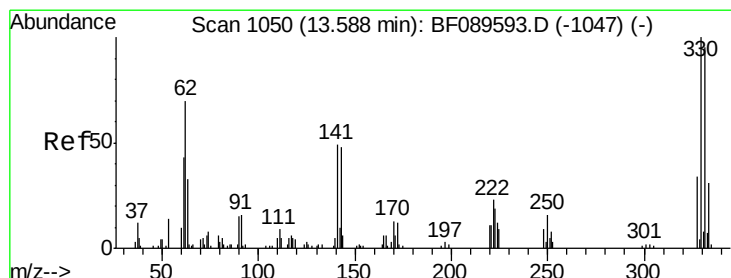
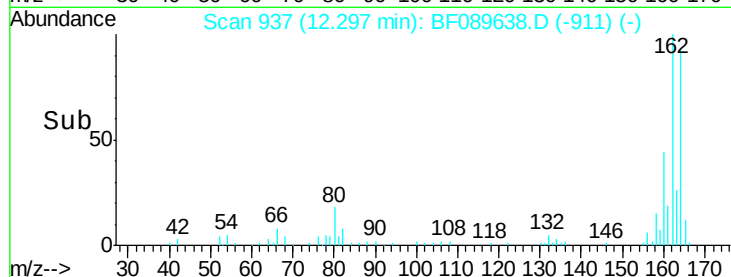
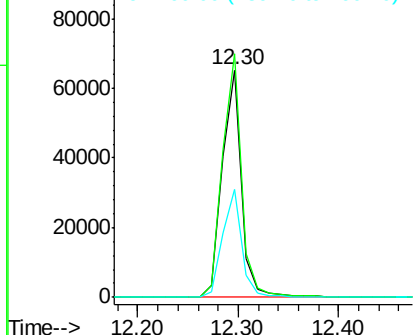
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.30 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: BF089638.D
 Acq: 5 Aug 2016 19:25

Instrument :
 BNA_F
 ClientSampleId :
 SS12-0-2IN

Tgt Ion:164 Resp: 86022
 Ion Ratio Lower Upper
 164 100
 162 107.0 85.7 128.5
 160 47.3 38.2 57.4

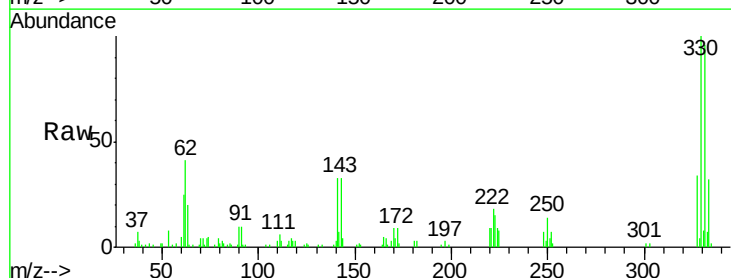


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

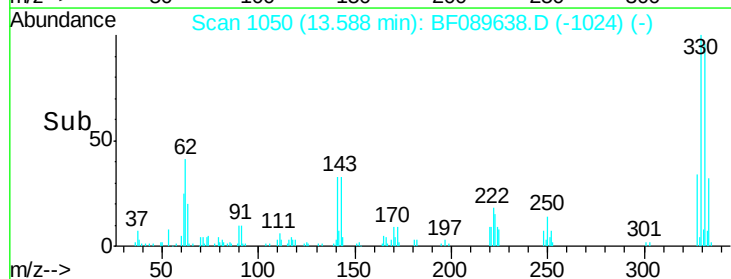
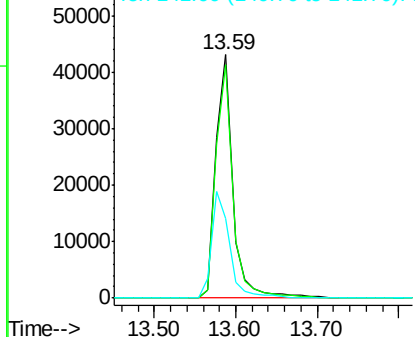


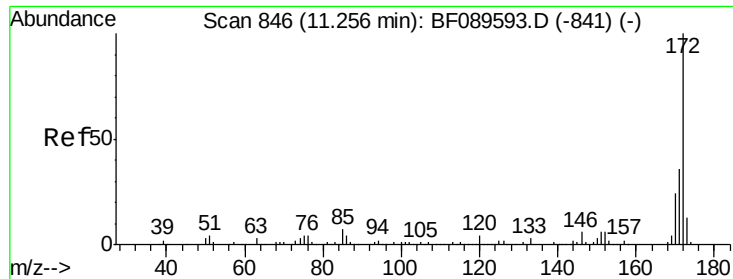
#41
 2,4,6-Tribromophenol
 Concen: 88.47 ng
 RT: 13.59 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: BF089638.D
 Acq: 5 Aug 2016 19:25

Tgt Ion:330 Resp: 62807
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 46.4 38.6 57.8



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

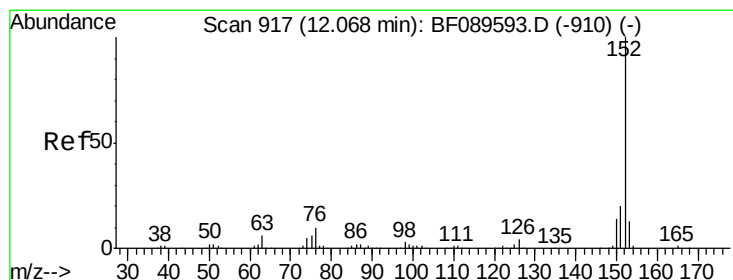
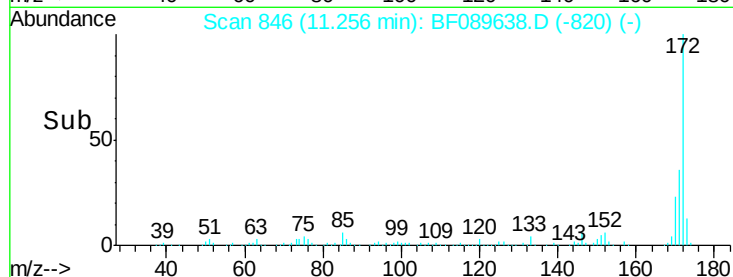
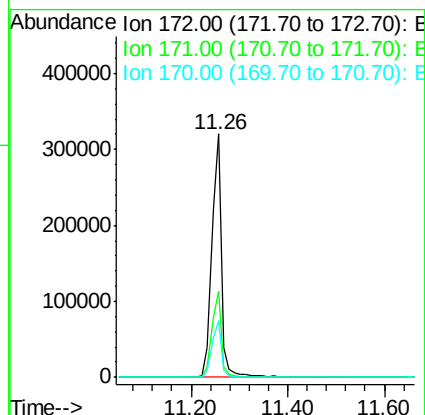
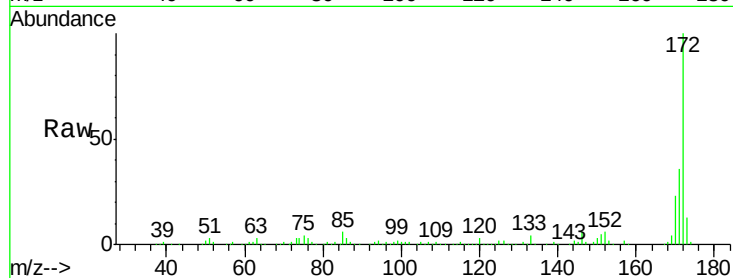




#44
 2-Fluorobiphenyl
 Concen: 69.12 ng
 RT: 11.26 min Scan# 846
 Delta R.T. 0.00 min
 Lab File: BF089638.D
 Acq: 5 Aug 2016 19:25

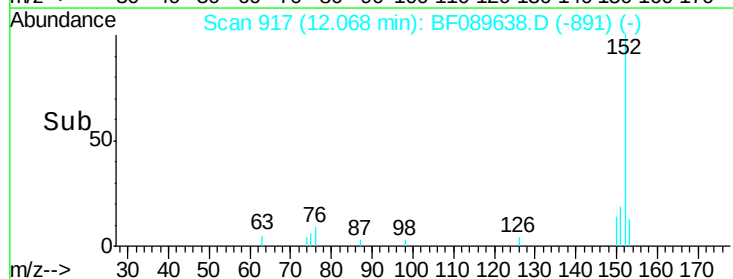
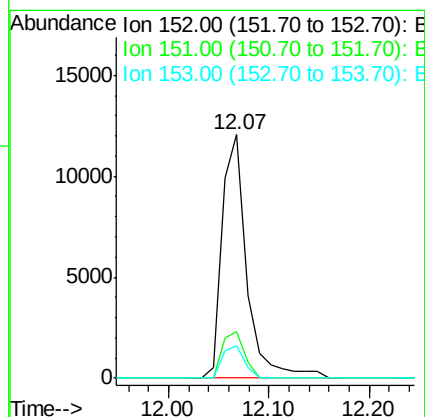
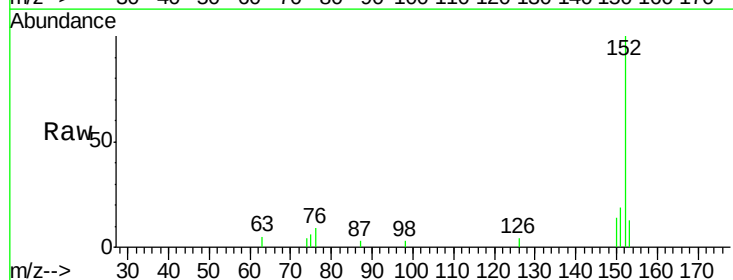
Instrument :
 BNA_F
 ClientSampleId :
 SS12-0-2IN

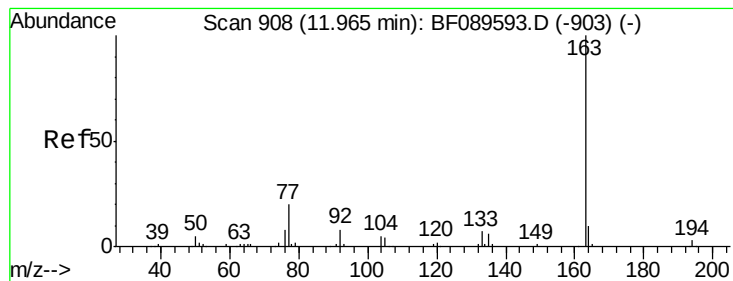
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.9	43.3
170	23.5	19.0	28.6



#48
 Acenaphthylene
 Concen: 2.14 ng
 RT: 12.07 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: BF089638.D
 Acq: 5 Aug 2016 19:25

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.2	24.4
153	13.2	10.5	15.7





#49

Dimethylphthalate

Concen: 12.79 ng

RT: 11.94 min Scan# 906

Delta R.T. -0.02 min

Lab File: BF089638.D

Acq: 5 Aug 2016 19:25

Instrument :

BNA_F

ClientSampleId :

SS12-0-2IN

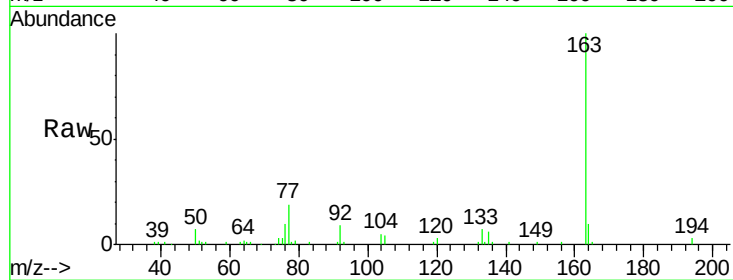
Tgt Ion:163 Resp: 86265

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

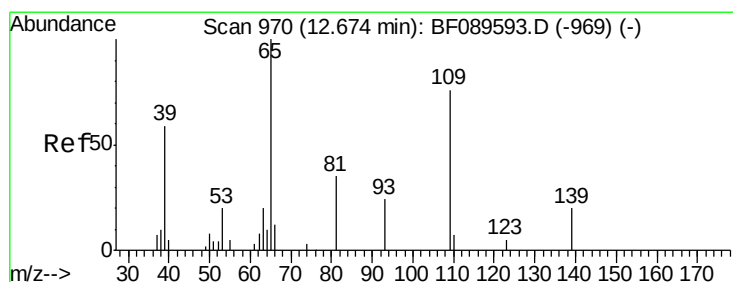
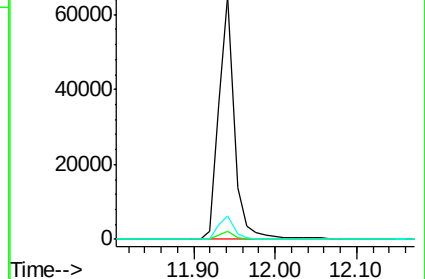
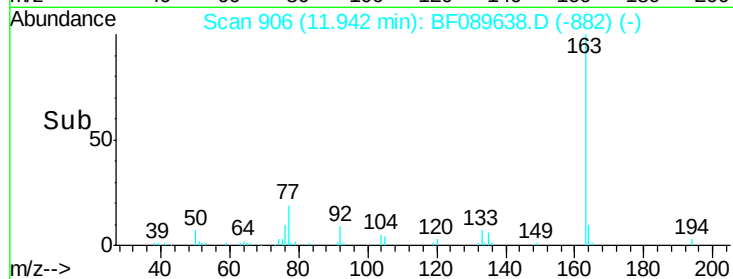
164 9.8 7.8 11.6



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



#55

4-Nitrophenol

Concen: 7.23 ng

RT: 12.64 min Scan# 967

Delta R.T. -0.03 min

Lab File: BF089638.D

Acq: 5 Aug 2016 19:25

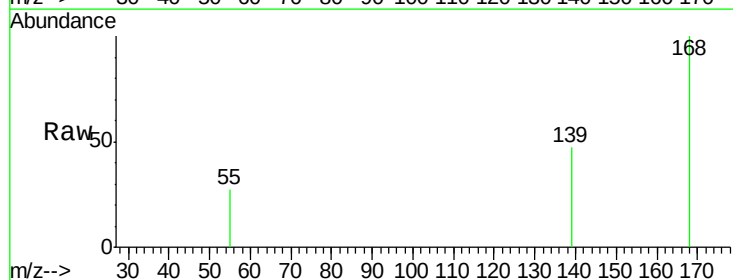
Tgt Ion:139 Resp: 637

Ion Ratio Lower Upper

139 100

109 0.0 28.9 68.9#

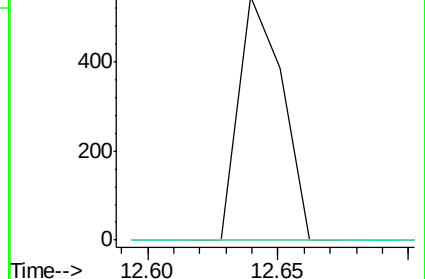
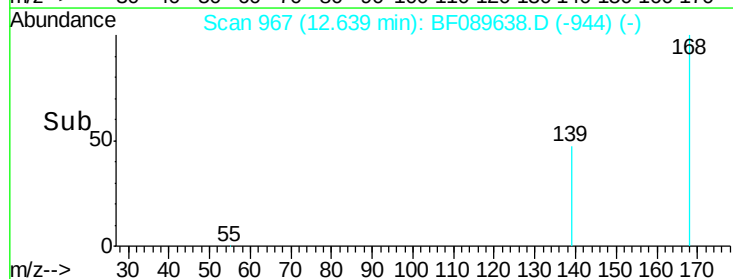
65 0.0 49.2 89.2#

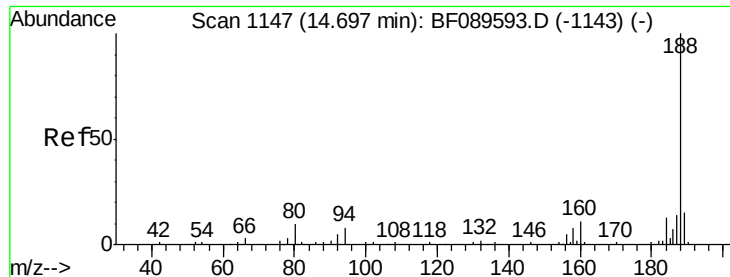


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

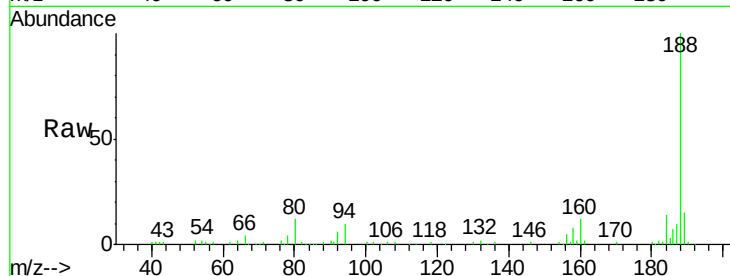




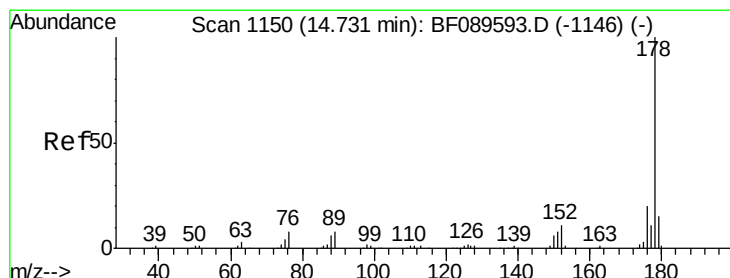
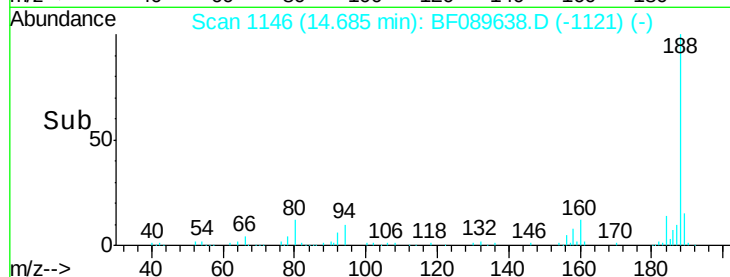
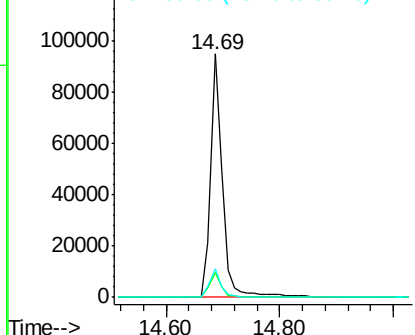
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.69 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF089638.D
Acq: 5 Aug 2016 19:25

Instrument :
BNA_F
ClientSampleId :
SS12-0-2IN

Tgt Ion:188 Resp: 133219
Ion Ratio Lower Upper
188 100
94 10.0 6.5 9.7#
80 11.7 8.0 12.0

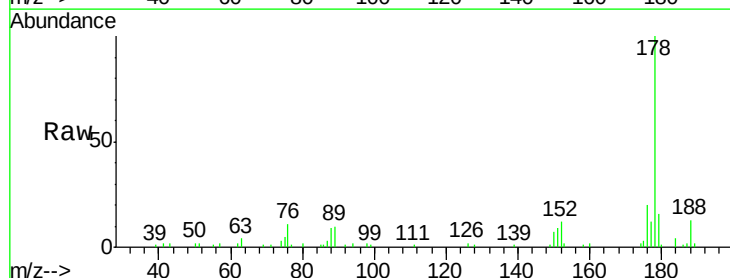


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

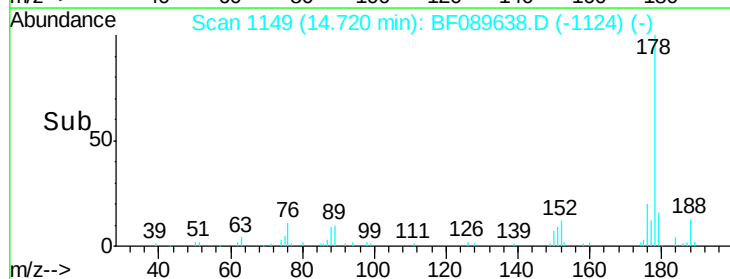
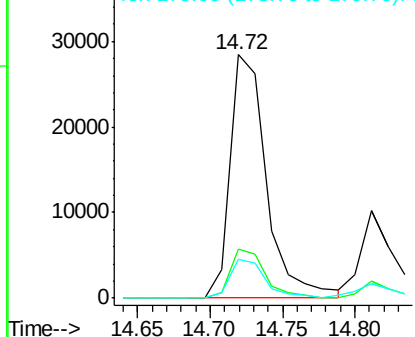


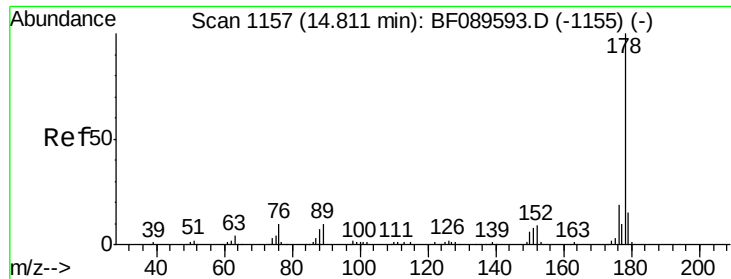
#70
Phenanthrene
Concen: 6.84 ng
RT: 14.72 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF089638.D
Acq: 5 Aug 2016 19:25

Tgt Ion:178 Resp: 49555
Ion Ratio Lower Upper
178 100
176 20.0 15.7 23.5
179 15.8 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

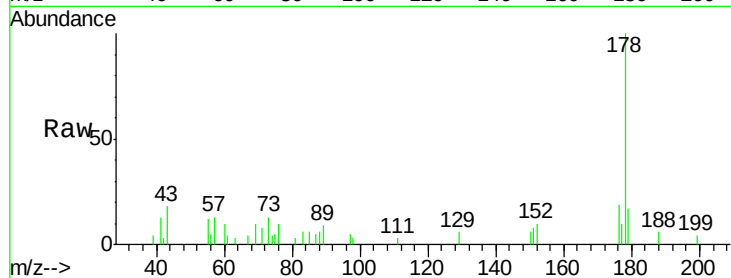




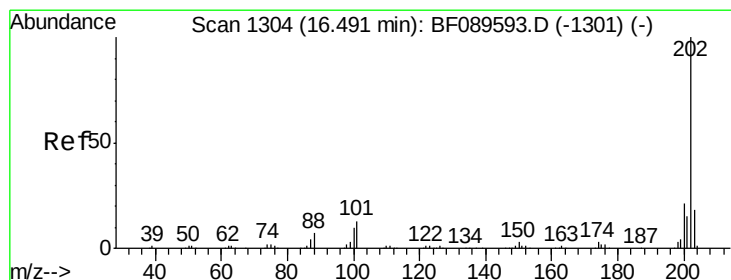
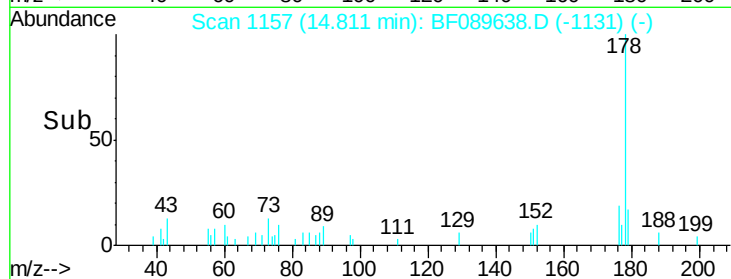
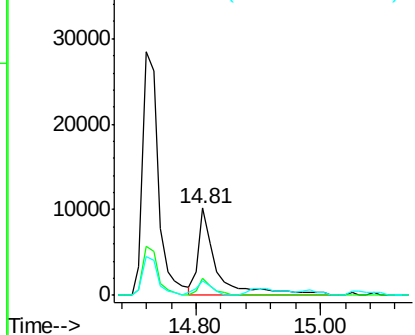
#71
 Anthracene
 Concen: 2.76 ng
 RT: 14.81 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: BF089638.D
 Acq: 5 Aug 2016 19:25

Instrument :
 BNA_F
 ClientSampleId :
 SS12-0-2IN

Tgt Ion:178 Resp: 21456
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.0 22.4
 179 17.2 12.4 18.6

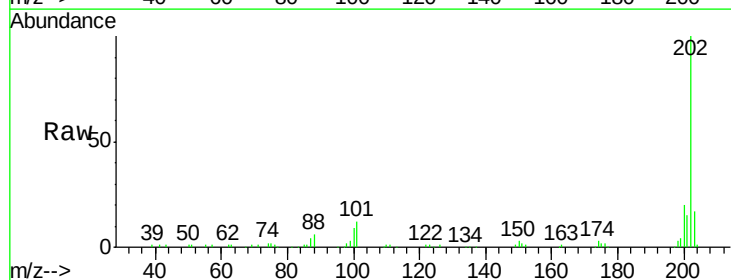


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

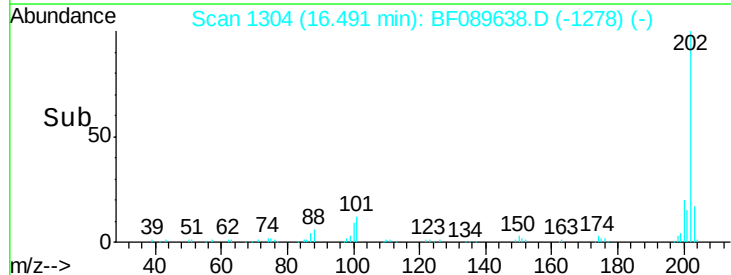
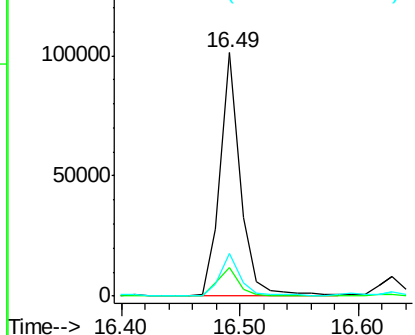


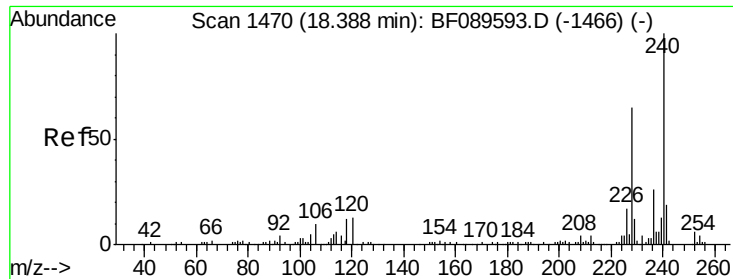
#74
 Fluoranthene
 Concen: 16.29 ng
 RT: 16.49 min Scan# 1304
 Delta R.T. 0.00 min
 Lab File: BF089638.D
 Acq: 5 Aug 2016 19:25

Tgt Ion:202 Resp: 121285
 Ion Ratio Lower Upper
 202 100
 101 11.8 0.0 32.7
 203 17.3 0.0 37.8



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

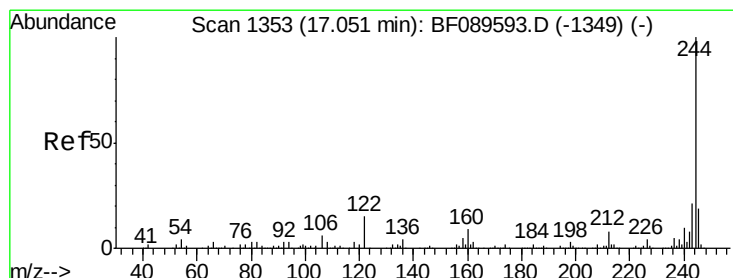
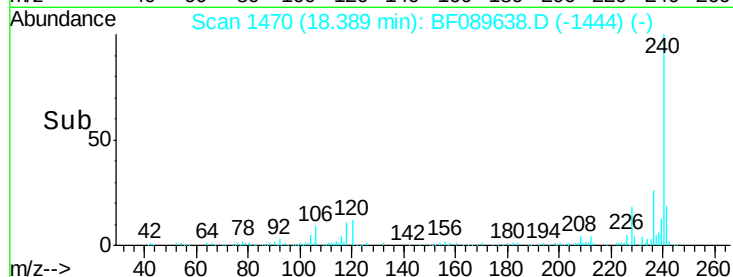
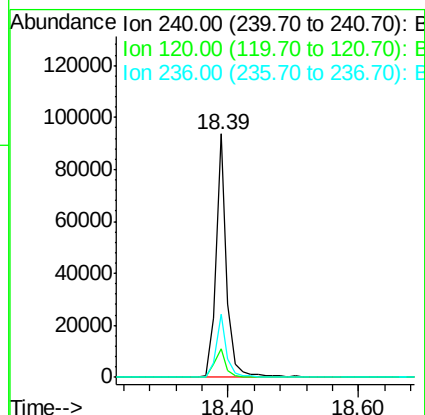
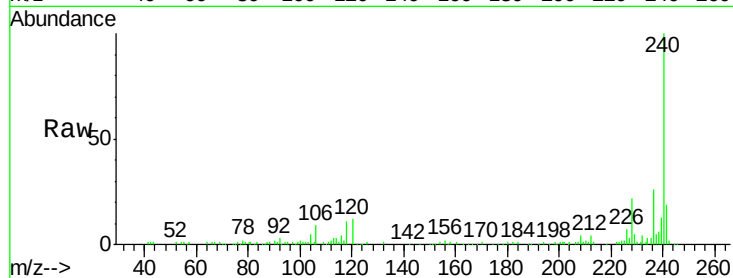




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.39 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: BF089638.D
 Acq: 5 Aug 2016 19:25

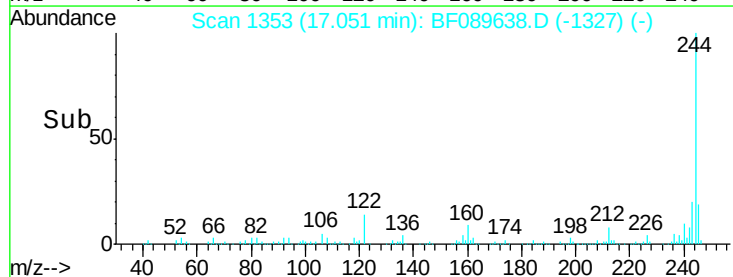
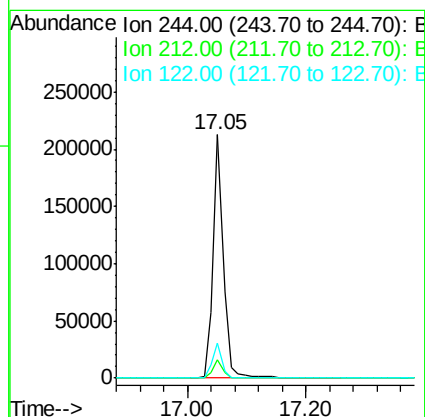
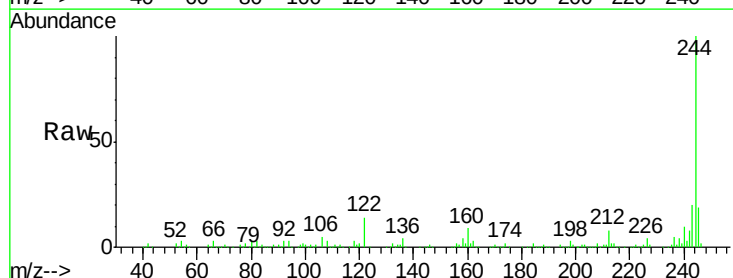
Instrument :
 BNA_F
 ClientSampleId :
 SS12-0-2IN

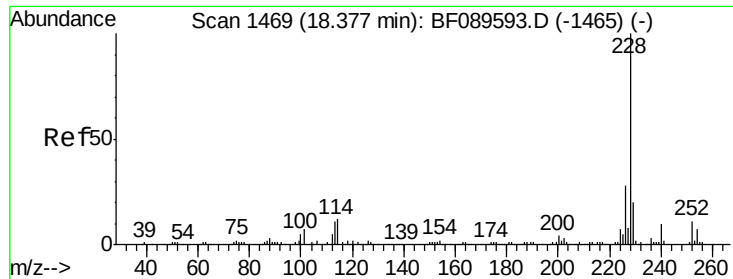
Tgt Ion:240 Resp: 108666
 Ion Ratio Lower Upper
 240 100
 120 11.8 10.6 15.8
 236 25.7 20.6 30.8



#78
 Terphenyl-d14
 Concen: 46.28 ng
 RT: 17.05 min Scan# 1353
 Delta R.T. 0.00 min
 Lab File: BF089638.D
 Acq: 5 Aug 2016 19:25

Tgt Ion:244 Resp: 254764
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.4 9.6
 122 14.4 12.2 18.2





#80

Benzo(a)anthracene

Concen: 10.10 ng

RT: 18.42 min Scan# 1473

Delta R.T. 0.05 min

Lab File: BF089638.D

Acq: 5 Aug 2016 19:25

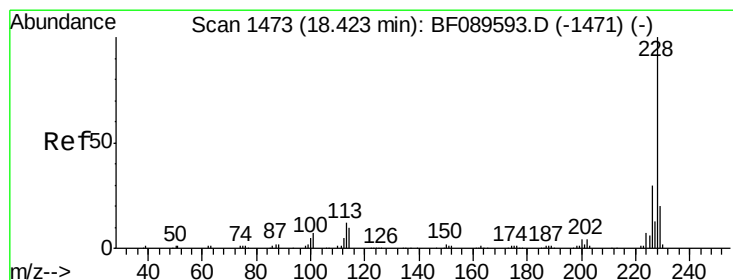
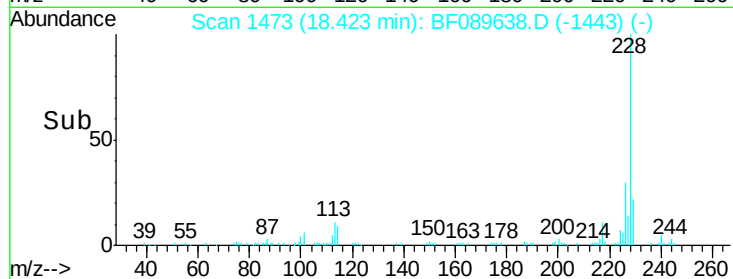
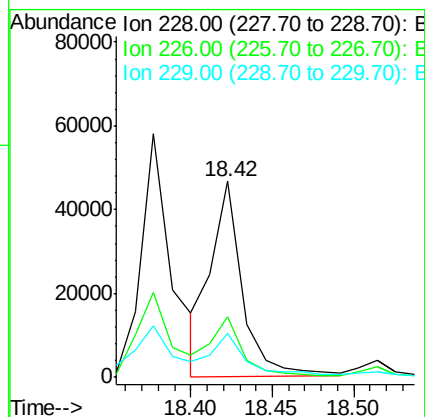
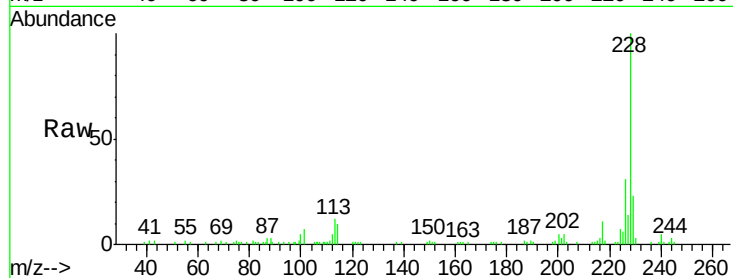
Instrument :

BNA_F

ClientSampleId :

SS12-0-2IN

Tgt Ion:	228	Resp:	63040
Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.3	33.5
229	22.7	15.9	23.9



#82

Chrysene

Concen: 9.62 ng

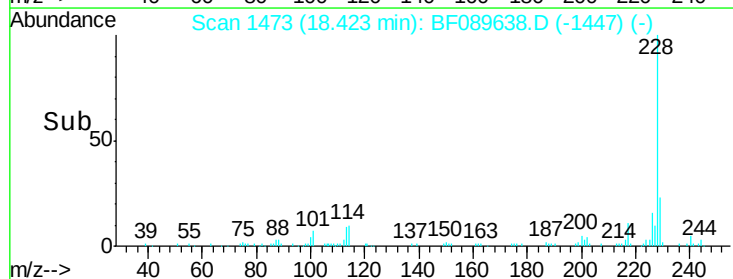
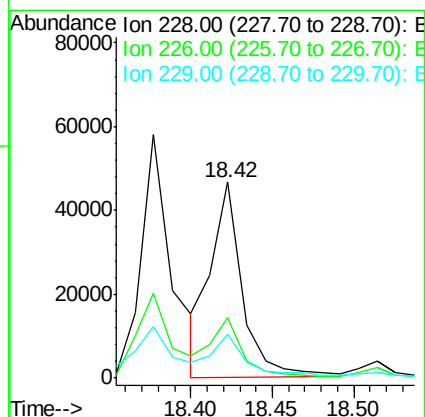
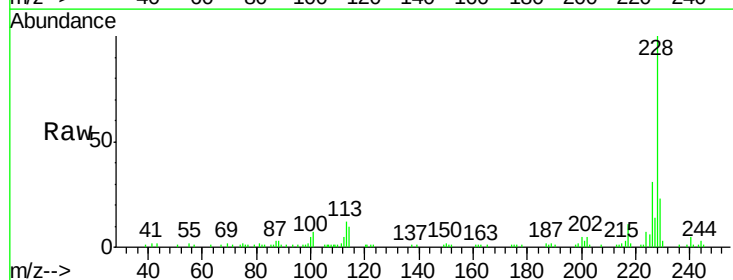
RT: 18.42 min Scan# 1473

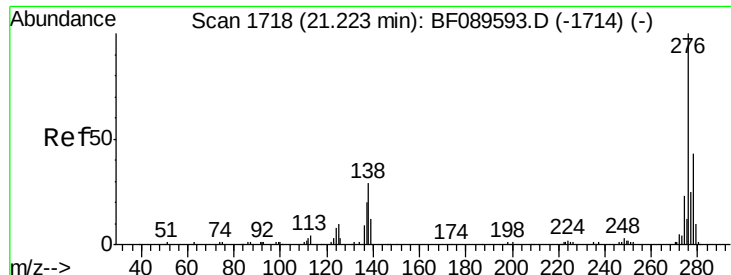
Delta R.T. 0.00 min

Lab File: BF089638.D

Acq: 5 Aug 2016 19:25

Tgt Ion:	228	Resp:	63040
Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.2	36.2
229	22.7	16.0	24.0

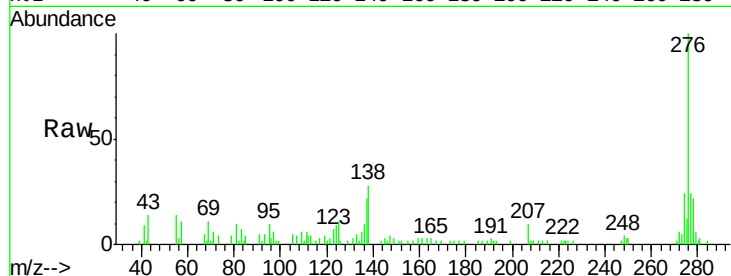




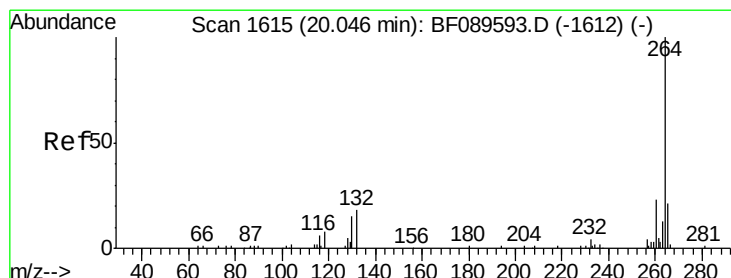
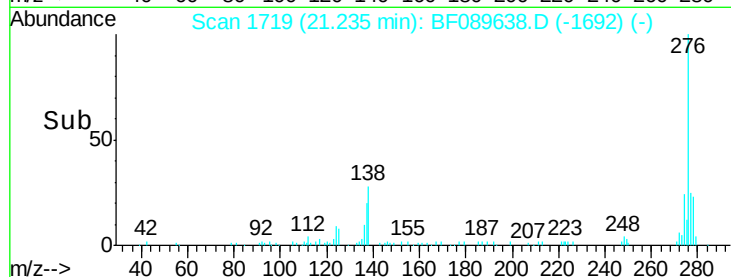
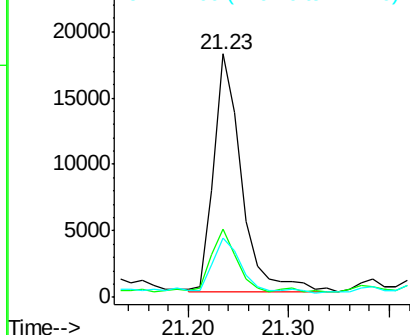
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.93 ng
 RT: 21.23 min Scan# 1719
 Delta R.T. 0.01 min
 Lab File: BF089638.D
 Acq: 5 Aug 2016 19:25

Instrument :
 BNA_F
 ClientSampleId :
 SS12-0-2IN

Tgt Ion	Resp	Lower	Upper
276	34459		
138	25.2	23.8	35.8
277	23.9	20.3	30.5

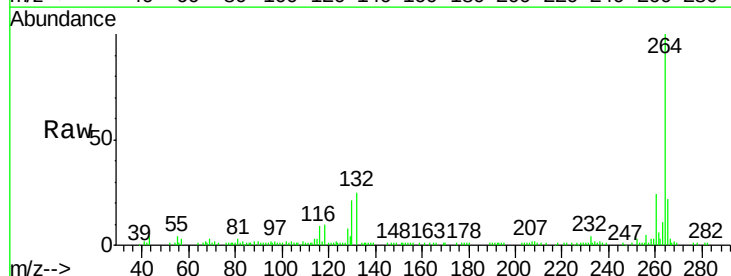


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

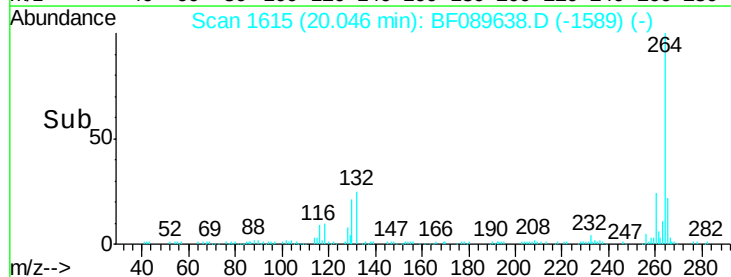
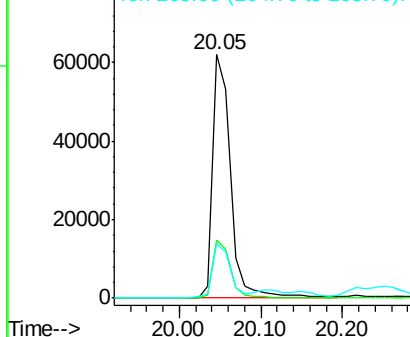


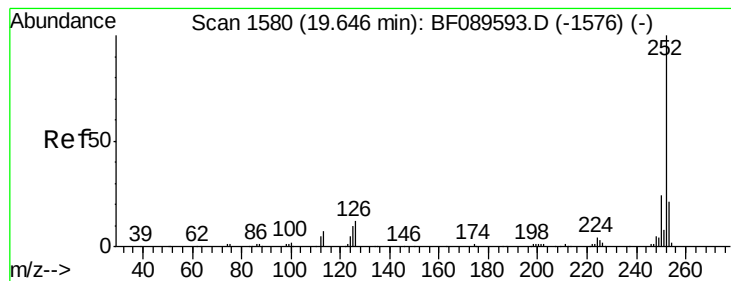
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.05 min Scan# 1615
 Delta R.T. 0.00 min
 Lab File: BF089638.D
 Acq: 5 Aug 2016 19:25

Tgt Ion	Resp	Lower	Upper
264	96047		
260	23.8	18.7	28.1
265	22.2	16.5	24.7



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: 21.75 ng

RT: 19.65 min Scan# 1580

Delta R.T. 0.00 min

Lab File: BF089638.D

Acq: 5 Aug 2016 19:25

Instrument :

BNA_F

ClientSampleId :

SS12-0-2IN

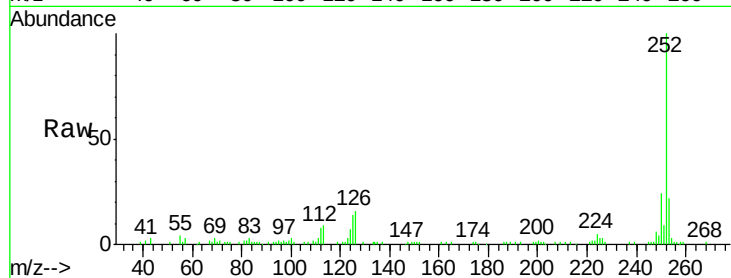
Tgt Ion:252 Resp: 128463

Ion Ratio Lower Upper

252 100

253 22.2 17.1 25.7

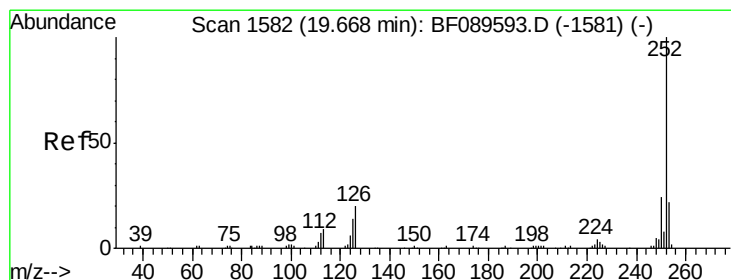
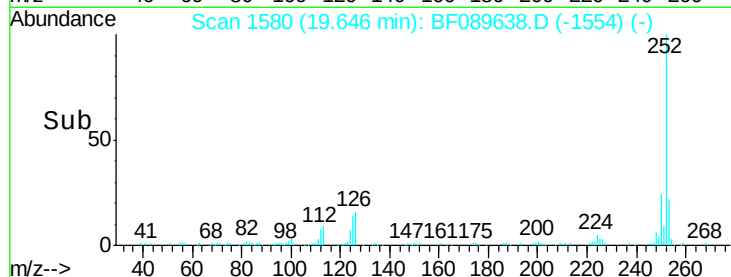
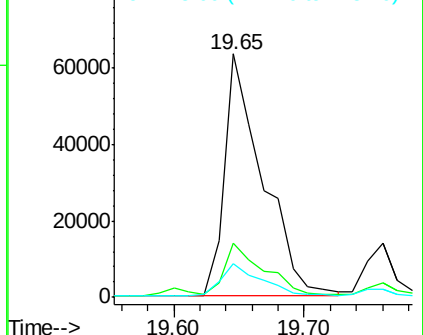
125 14.0 7.8 11.8#



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: 21.56 ng

RT: 19.65 min Scan# 1580

Delta R.T. -0.02 min

Lab File: BF089638.D

Acq: 5 Aug 2016 19:25

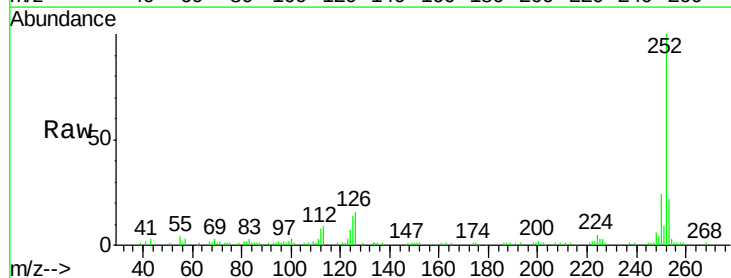
Tgt Ion:252 Resp: 128463

Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

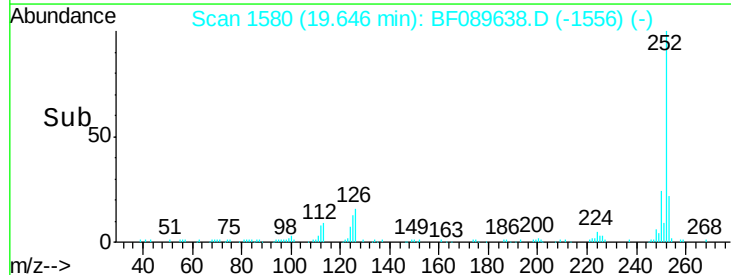
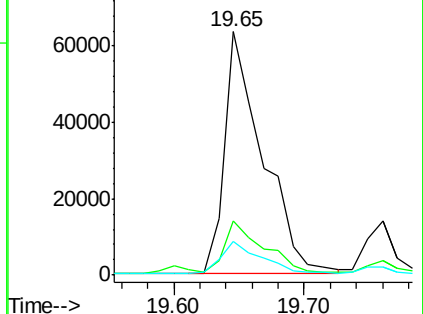
125 14.0 11.0 16.6

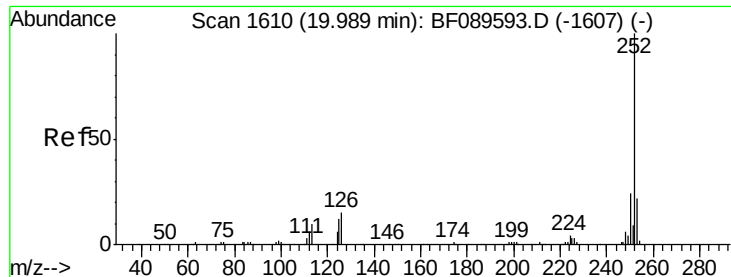


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

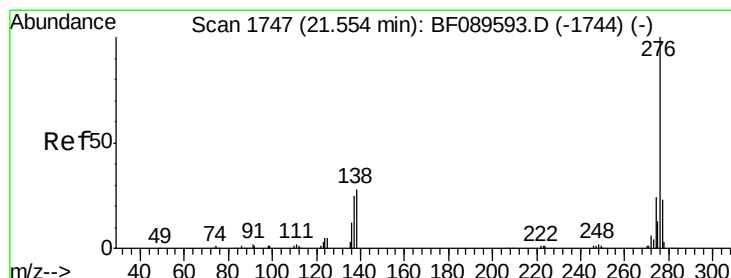
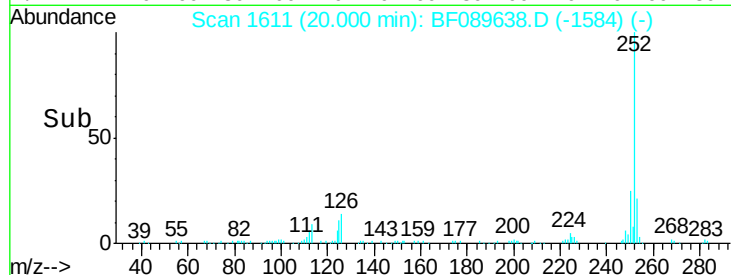
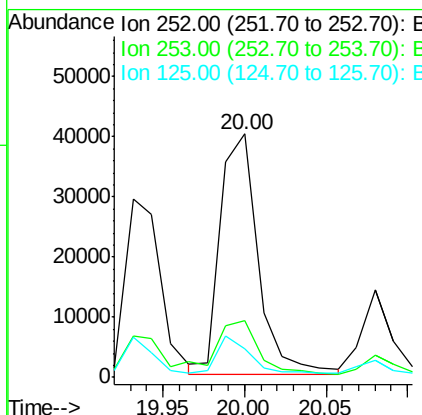
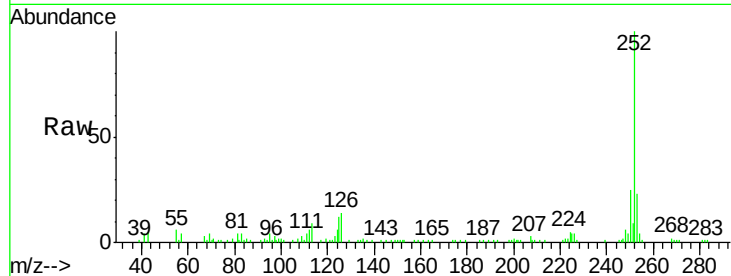




#89
Benzo(a)pyrene
Concen: 11.66 ng
RT: 20.00 min Scan# 1611
Delta R.T. 0.01 min
Lab File: BF089638.D
Acq: 5 Aug 2016 19:25

Instrument :
BNA_F
ClientSampleId :
SS12-0-2IN

Tgt Ion:252 Resp: 64497
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.0
125 11.6 9.9 14.9



#91
Benzo(g,h,i)perylene
Concen: 5.88 ng
RT: 21.58 min Scan# 1749
Delta R.T. 0.02 min
Lab File: BF089638.D
Acq: 5 Aug 2016 19:25

Tgt Ion:276 Resp: 31102
Ion Ratio Lower Upper
276 100
277 26.0 18.6 28.0
138 24.5 22.6 33.8

