

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080516\
 Data File : BF089634.D
 Acq On : 5 Aug 2016 17:10
 Operator : UM/SJ
 Sample : H4292-07
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS10-0-2IN

Quant Time: Aug 05 23:04:44 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

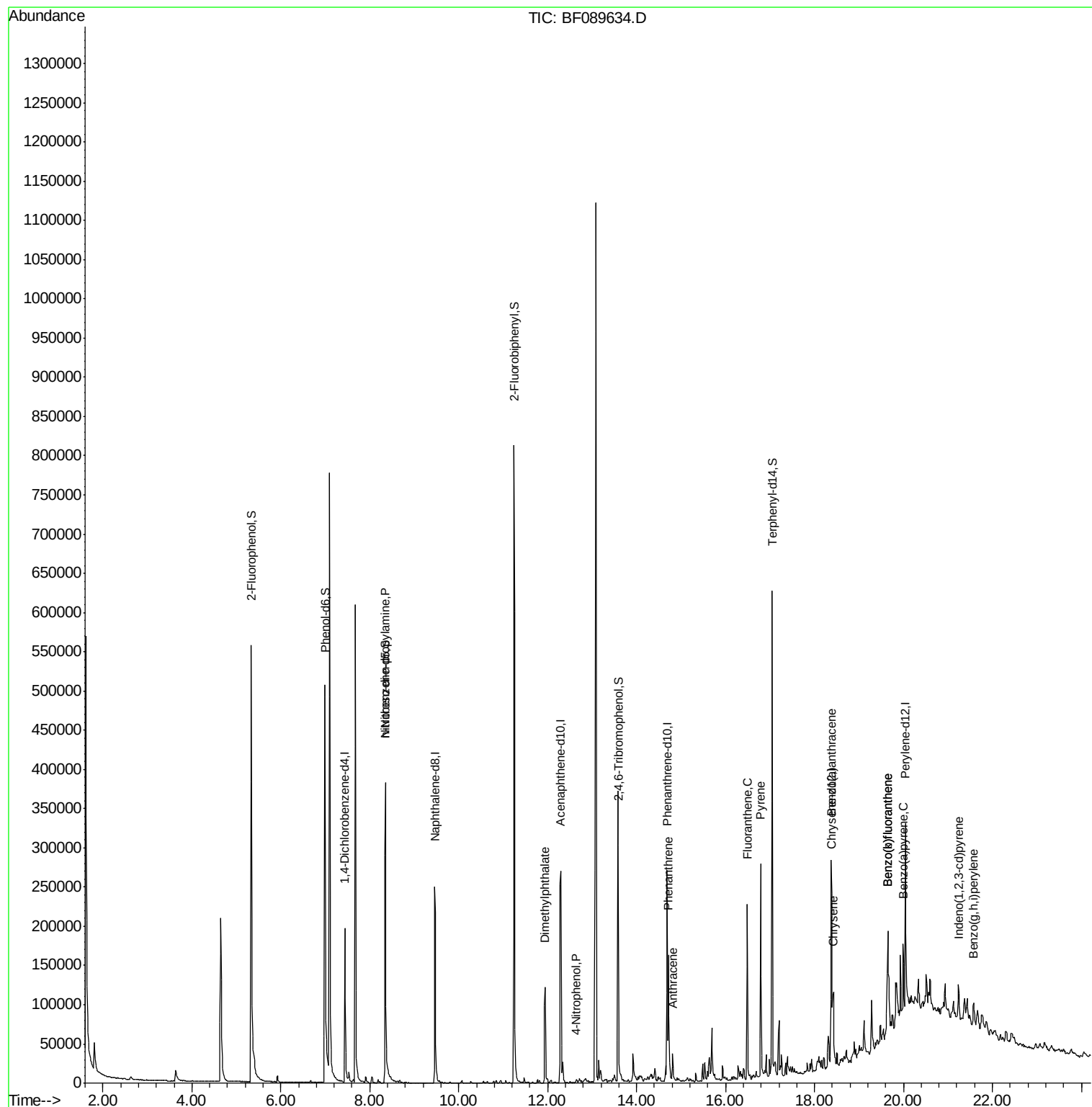
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	49375	20.00	ng	-0.01
21) Naphthalene-d8	9.46	136	204929	20.00	ng	-0.01
38) Acenaphthene-d10	12.30	164	88996	20.00	ng	0.00
63) Phenanthrene-d10	14.69	188	148675	20.00	ng	-0.01
75) Chrysene-d12	18.39	240	102658	20.00	ng	0.00
86) Perylene-d12	20.05	264	102649	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	302675	102.74	ng	0.02
7) Phenol-d6	6.99	99	392429	98.20	ng	0.01
23) Nitrobenzene-d5	8.35	82	243947	65.84	ng	-0.01
41) 2,4,6-Tribromophenol	13.59	330	61183	83.31	ng	0.00
44) 2-Fluorobiphenyl	11.24	172	413914	60.44	ng	-0.01
78) Terphenyl-d14	17.05	244	245915	47.29	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.35	70	29739	10.30	ng	Qvalue # 81
49) Dimethylphthalate	11.94	163	83450	11.96	ng	99
55) 4-Nitrophenol	12.64	139	1531	7.88	ng	# 21
70) Phenanthrene	14.72	178	89453	11.07	ng	98
71) Anthracene	14.81	178	24841	2.87	ng	98
74) Fluoranthene	16.49	202	130901	15.75	ng	97
77) Pyrene	16.79	202	103186	11.37	ng	# 94
80) Benzo(a)anthracene	18.38	228	61291	10.39	ng	98
82) Chrysene	18.42	228	45880	7.41	ng	96
85) Indeno(1,2,3-cd)pyrene	21.23	276	23695	5.04	ng	99
87) Benzo(b)fluoranthene	19.65	252	92515	14.65	ng	# 95
88) Benzo(k)fluoranthene	19.65	252	92515	14.53	ng	98
89) Benzo(a)pyrene	19.99	252	46942	7.94	ng	# 91
91) Benzo(g,h,i)perylene	21.58	276	26770	4.74	ng	96

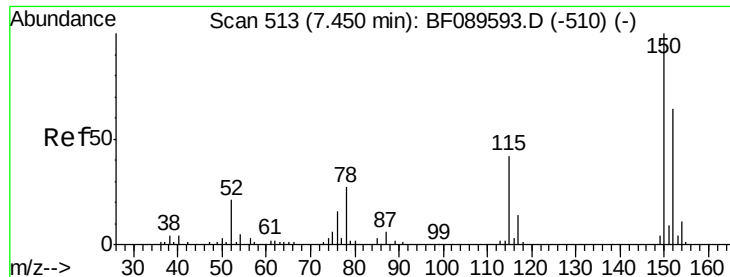
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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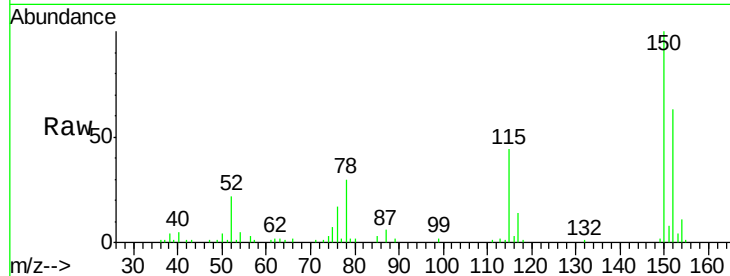


#1

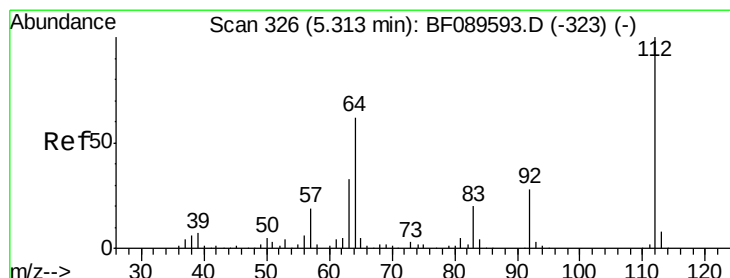
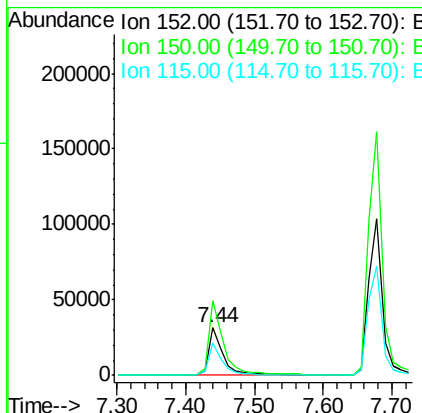
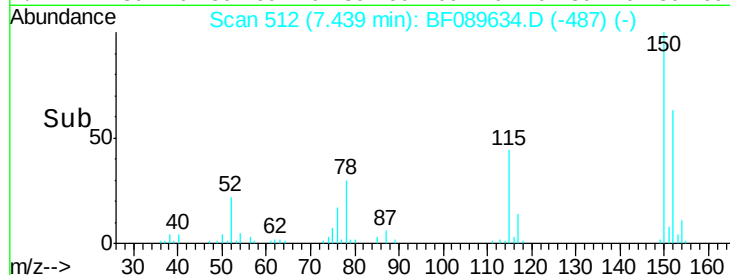
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.44 min Scan# 512
Delta R.T. -0.01 min
Lab File: BF089634.D
Acq: 5 Aug 2016 17:10

Instrument :
BNA_F
ClientSampleId :
SS10-0-2IN

Tgt Ion:152 Resp: 49375
Ion Ratio Lower Upper
152 100
150 157.6 125.5 188.3
115 69.6 52.0 78.0



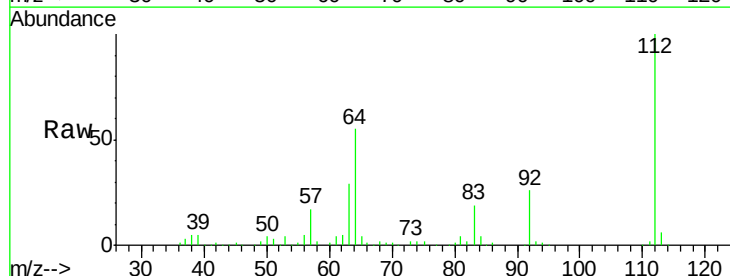
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



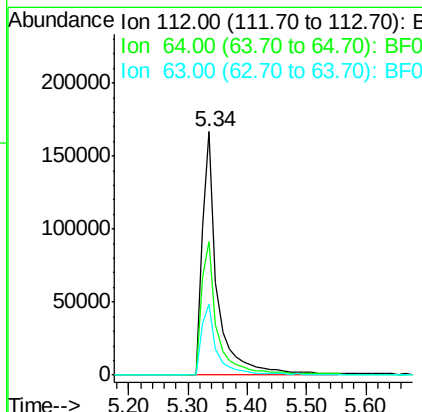
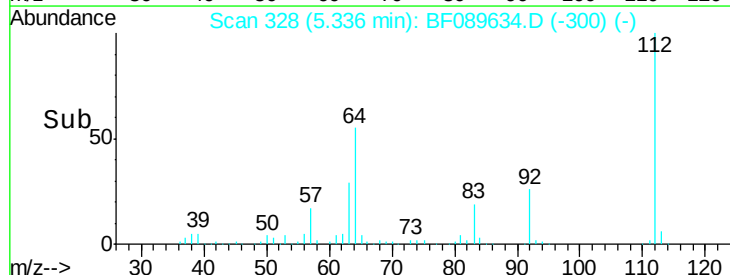
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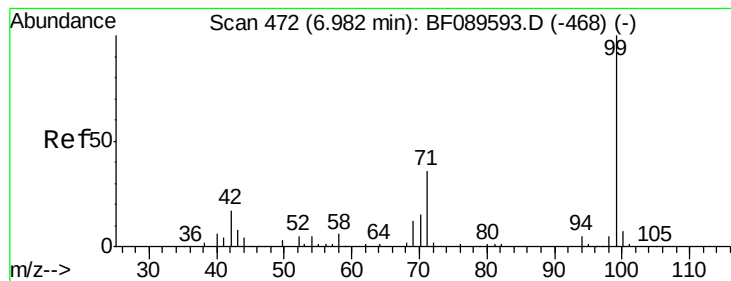
2-Fluorophenol
Concen: 102.74 ng
RT: 5.34 min Scan# 328
Delta R.T. 0.02 min
Lab File: BF089634.D
Acq: 5 Aug 2016 17:10

Tgt Ion:112 Resp: 302675
Ion Ratio Lower Upper
112 100
64 54.7 49.9 74.9
63 29.1 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: 98.20 ng

RT: 6.99 min Scan# 473

Delta R.T. 0.01 min

Lab File: BF089634.D

Acq: 5 Aug 2016 17:10

Instrument :

BNA_F

ClientSampleId :

SS10-0-2IN

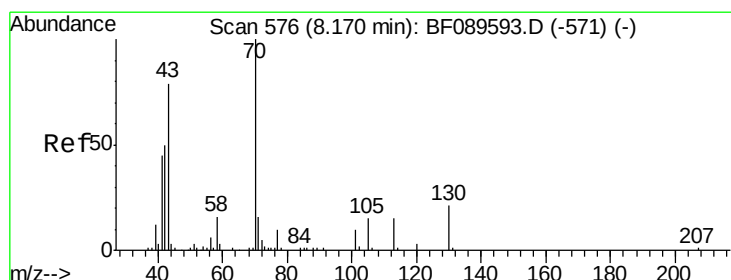
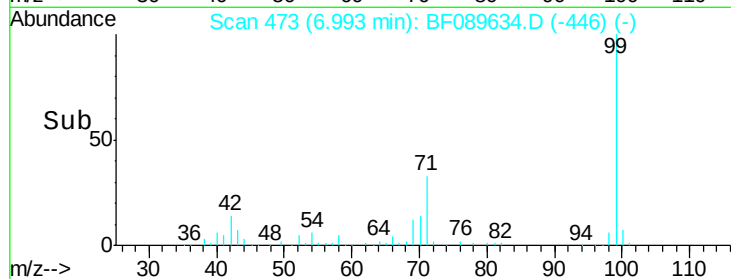
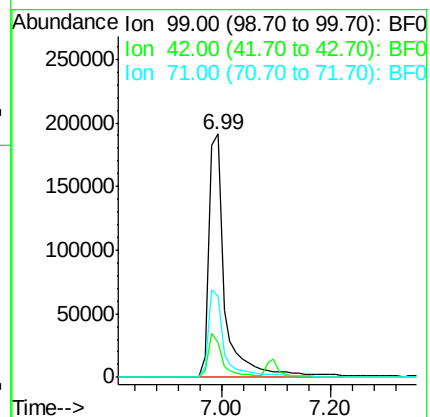
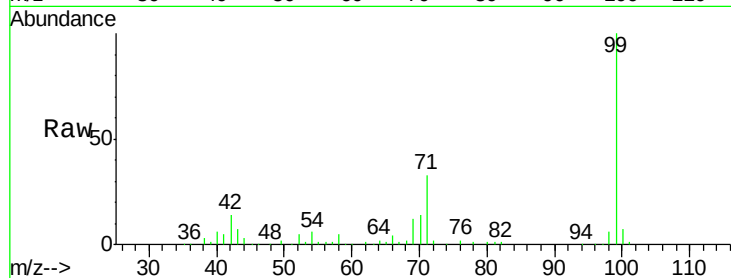
Tgt Ion: 99 Resp: 392429

Ion Ratio Lower Upper

99 100

42 14.4 13.7 20.5

71 33.4 29.0 43.4



#19

n-Nitroso-di-n-propylamine

Concen: 10.30 ng

RT: 8.35 min Scan# 592

Delta R.T. 0.18 min

Lab File: BF089634.D

Acq: 5 Aug 2016 17:10

Tgt Ion: 70 Resp: 29739

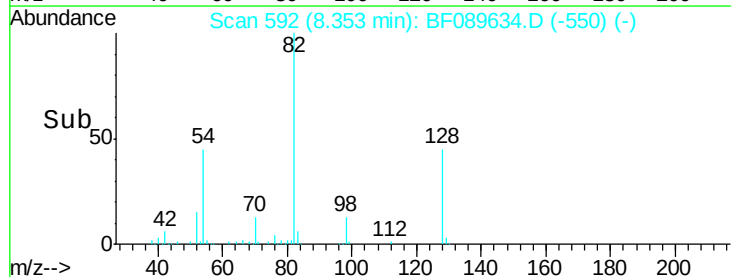
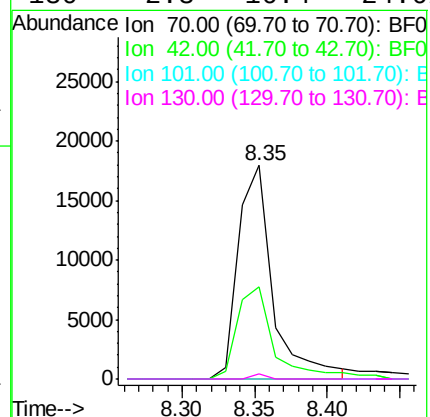
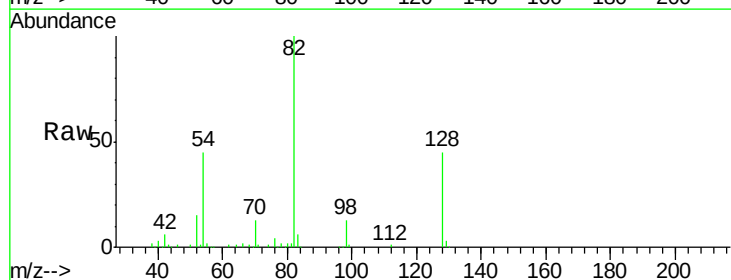
Ion Ratio Lower Upper

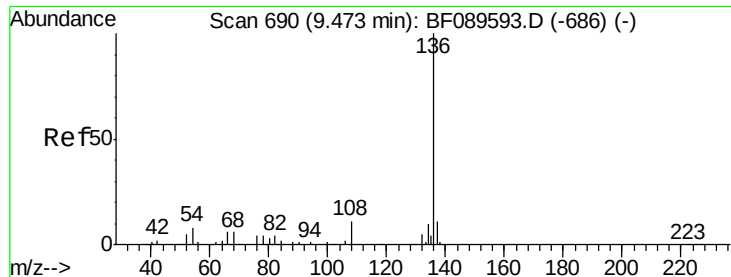
70 100

42 43.4 40.2 60.2

101 0.0 7.8 11.6#

130 2.3 16.4 24.6#

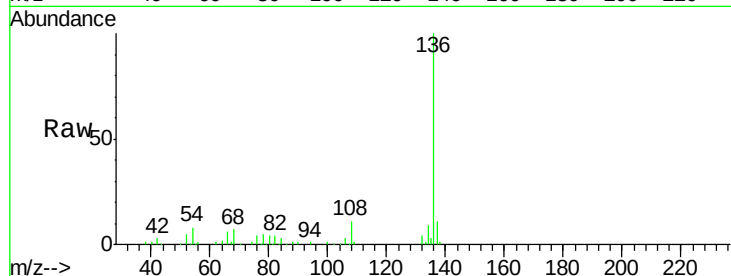




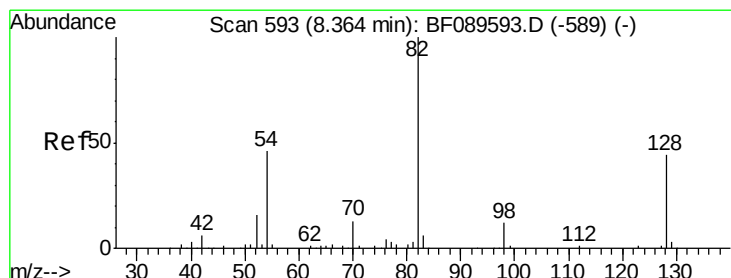
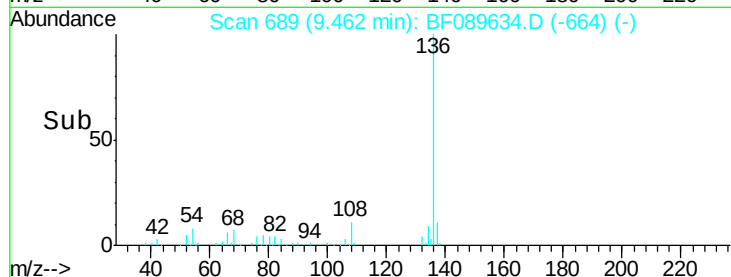
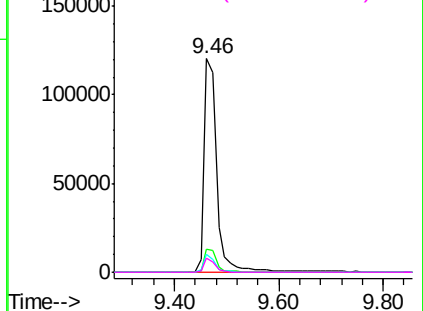
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.46 min Scan# 689
Delta R.T. -0.01 min
Lab File: BF089634.D
Acq: 5 Aug 2016 17:10

Instrument :
BNA_F
ClientSampleId :
SS10-0-2IN

Tgt Ion:	136	Resp:	204929
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	8.3	6.0	9.0
68	6.6	4.6	6.8

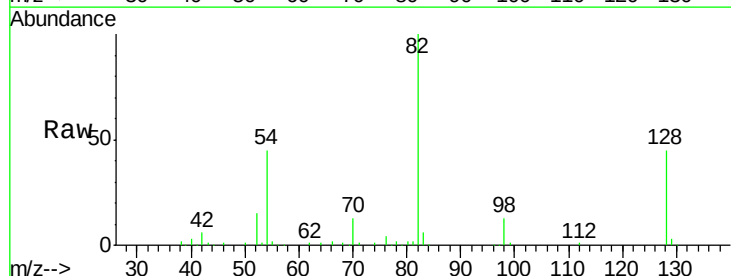


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

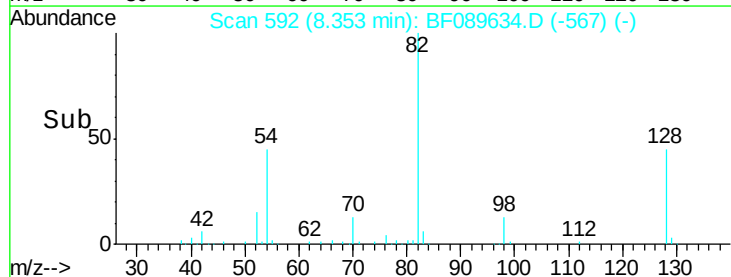
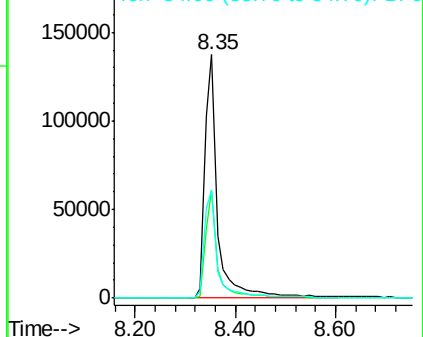


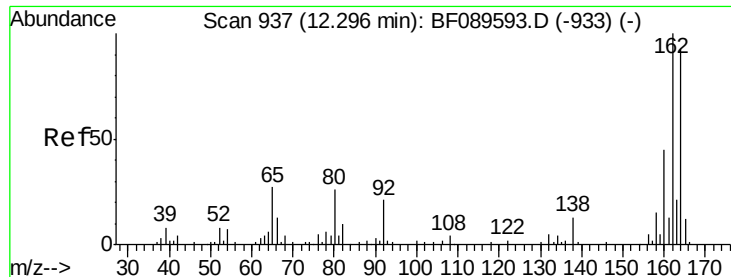
#23
Nitrobenzene-d5
Concen: 65.84 ng
RT: 8.35 min Scan# 592
Delta R.T. -0.01 min
Lab File: BF089634.D
Acq: 5 Aug 2016 17:10

Tgt Ion:	82	Resp:	243947
Ion	Ratio	Lower	Upper
82	100		
128	44.6	35.4	53.0
54	44.6	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

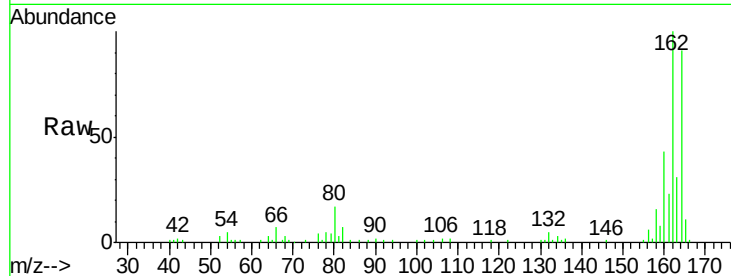




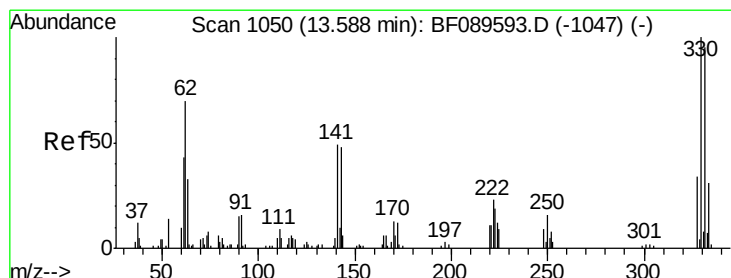
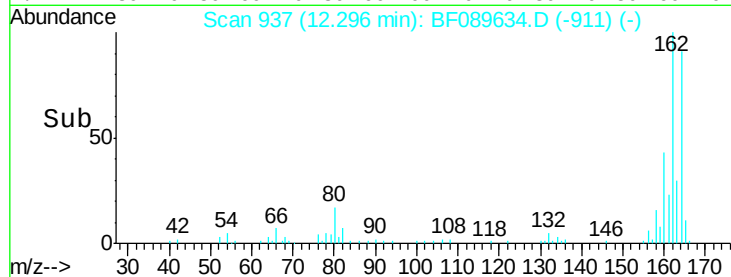
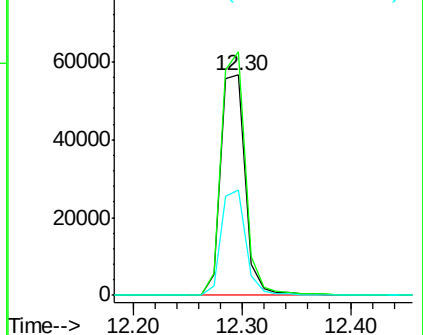
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.30 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: BF089634.D
 Acq: 5 Aug 2016 17:10

Instrument :
 BNA_F
 ClientSampleId :
 SS10-0-2IN

Tgt Ion:164 Resp: 88996
 Ion Ratio Lower Upper
 164 100
 162 110.4 85.7 128.5
 160 47.5 38.2 57.4

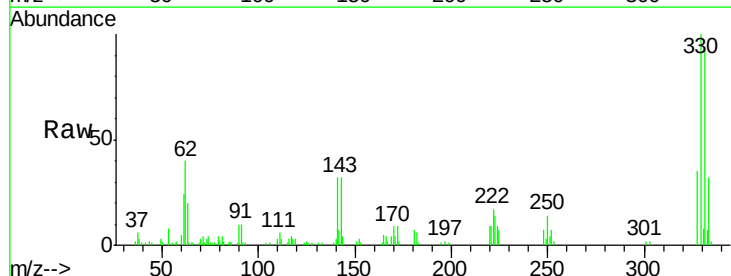


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

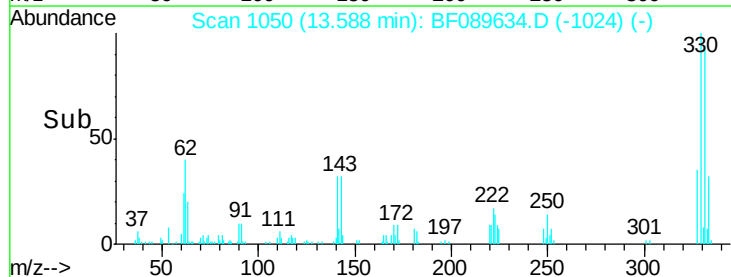
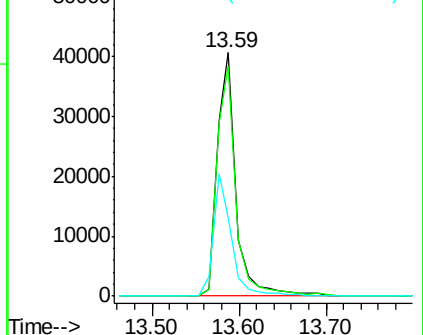


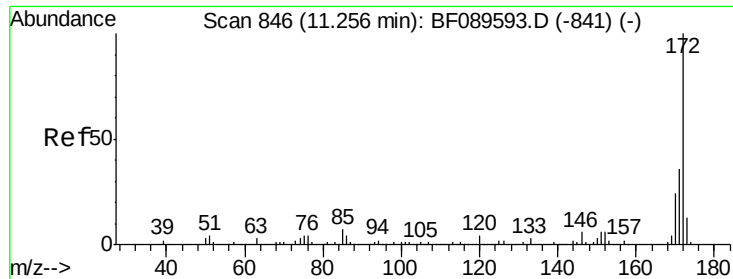
#41
 2,4,6-Tribromophenol
 Concen: 83.31 ng
 RT: 13.59 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: BF089634.D
 Acq: 5 Aug 2016 17:10

Tgt Ion:330 Resp: 61183
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.0 115.6
 141 48.7 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

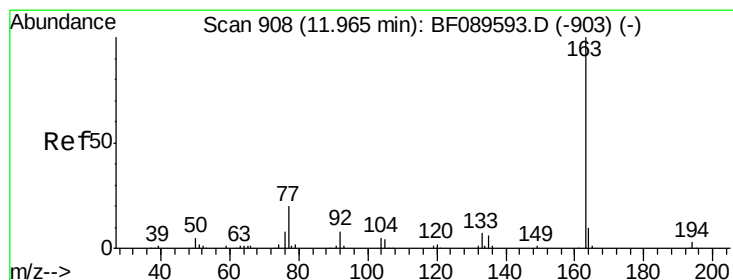
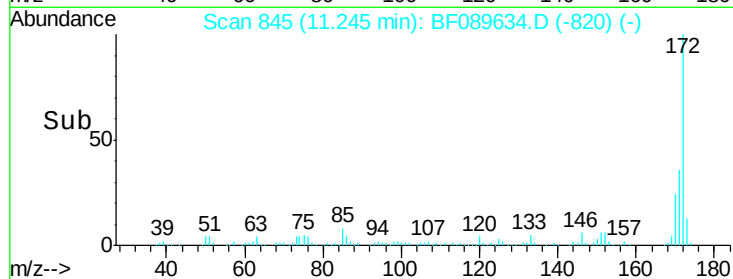
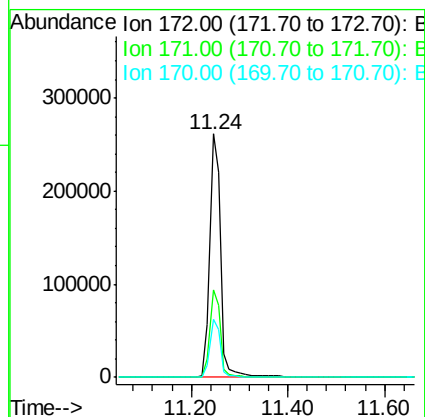
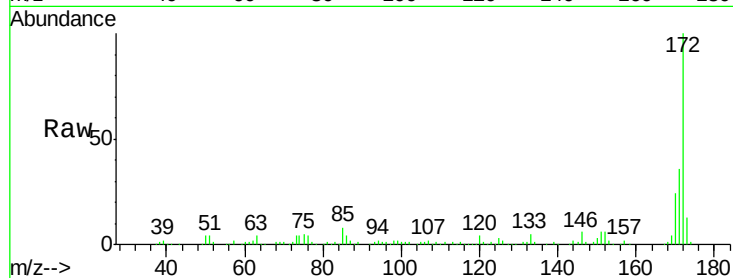




#44
2-Fluorobiphenyl
Concen: 60.44 ng
RT: 11.24 min Scan# 845
Delta R.T. -0.01 min
Lab File: BF089634.D
Acq: 5 Aug 2016 17:10

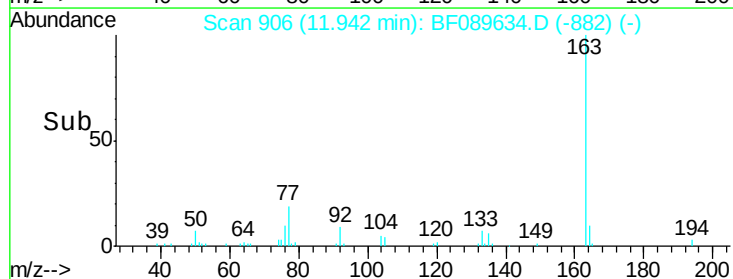
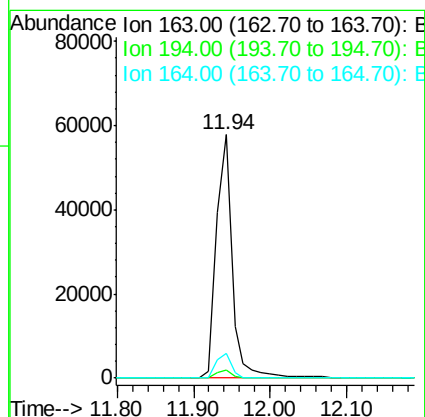
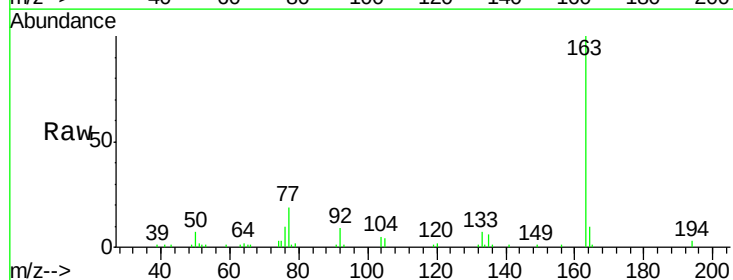
Instrument :
BNA_F
ClientSampleId :
SS10-0-2IN

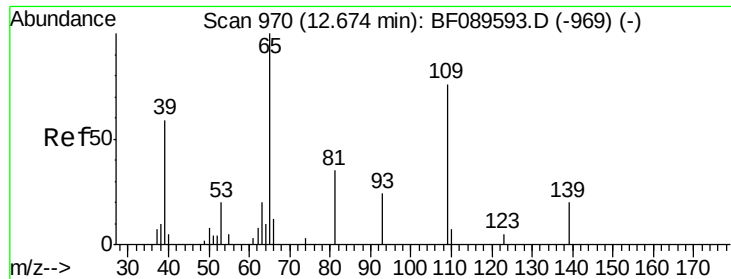
Tgt Ion:172 Resp: 413914
Ion Ratio Lower Upper
172 100
171 35.8 28.9 43.3
170 23.7 19.0 28.6



#49
Dimethylphthalate
Concen: 11.96 ng
RT: 11.94 min Scan# 906
Delta R.T. -0.02 min
Lab File: BF089634.D
Acq: 5 Aug 2016 17:10

Tgt Ion:163 Resp: 83450
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.0 7.8 11.6

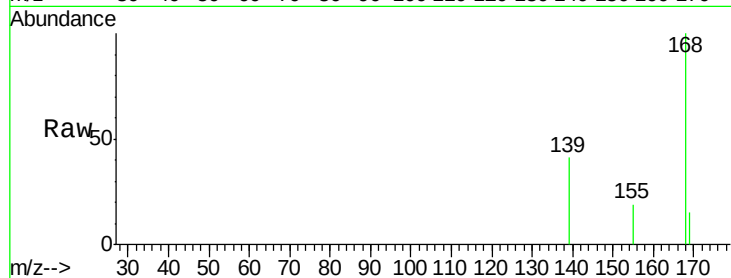




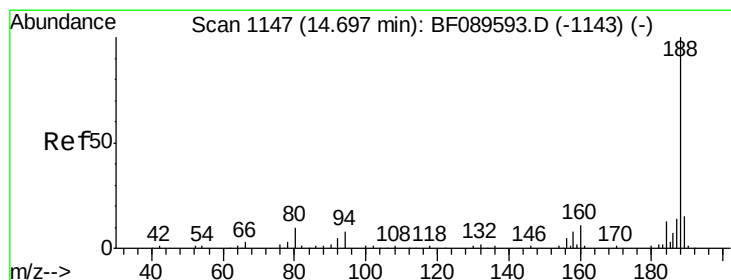
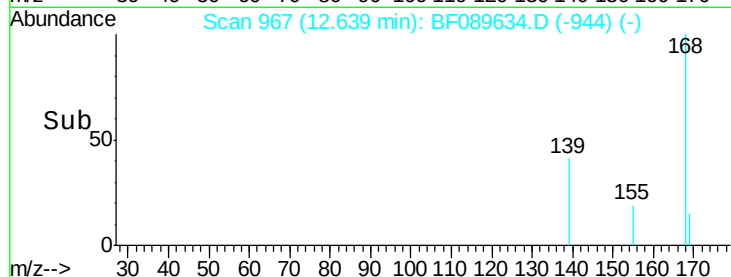
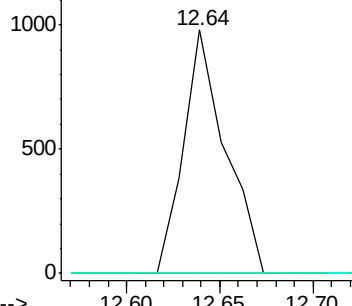
#55
4-Nitrophenol
Concen: 7.88 ng
RT: 12.64 min Scan# 967
Delta R.T. -0.03 min
Lab File: BF089634.D
Acq: 5 Aug 2016 17:10

Instrument :
BNA_F
ClientSampleId :
SS10-0-2IN

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	28.9	68.9#
65	0.0	49.2	89.2#

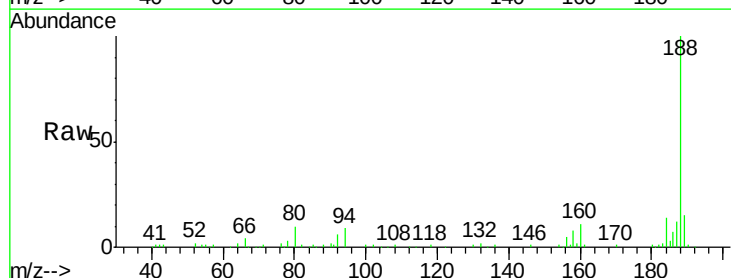


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

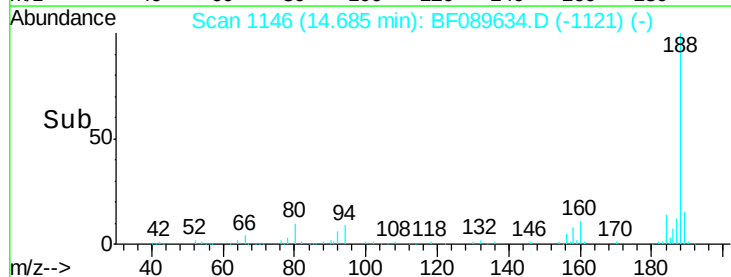
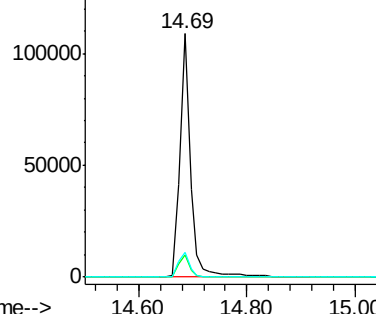


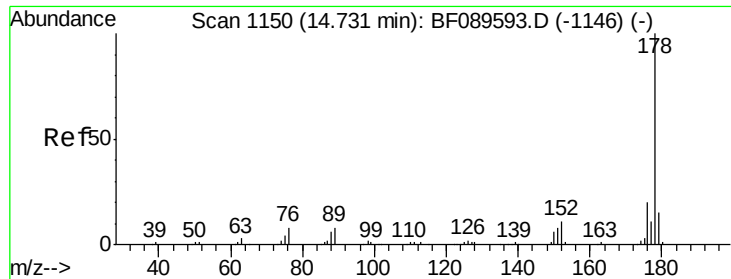
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.69 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF089634.D
Acq: 5 Aug 2016 17:10

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.5	9.7
80	10.3	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

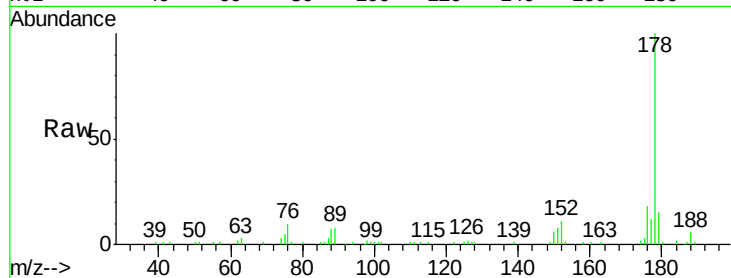




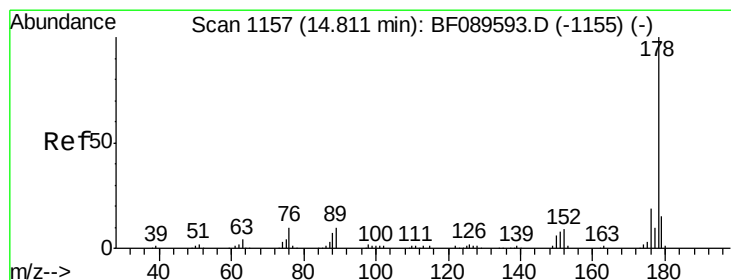
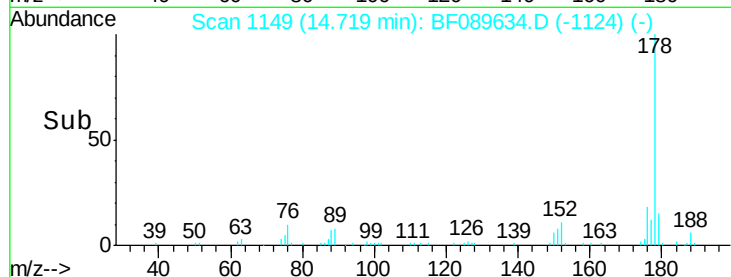
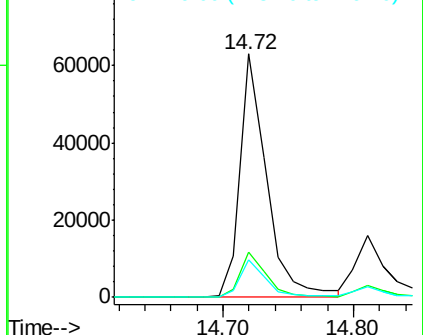
#70
Phenanthrene
Concen: 11.07 ng
RT: 14.72 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF089634.D
Acq: 5 Aug 2016 17:10

Instrument :
BNA_F
ClientSampleId :
SS10-0-2IN

Tgt Ion:178 Resp: 89453
Ion Ratio Lower Upper
178 100
176 18.5 15.7 23.5
179 15.5 12.2 18.2

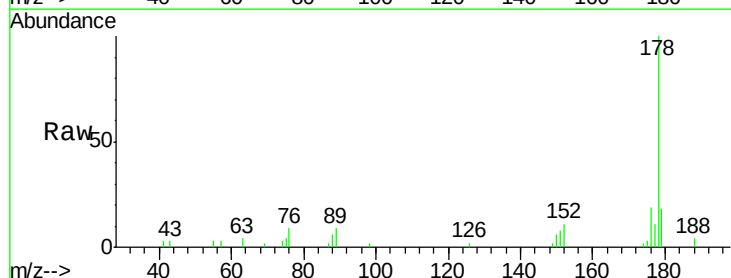


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

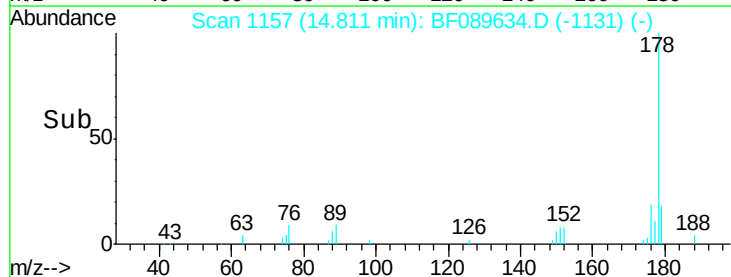
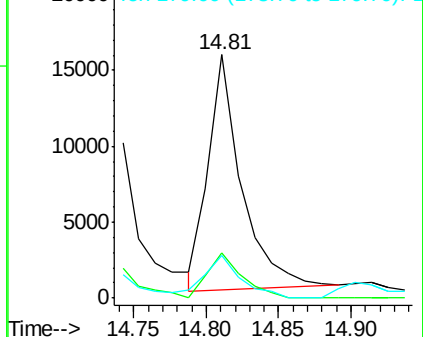


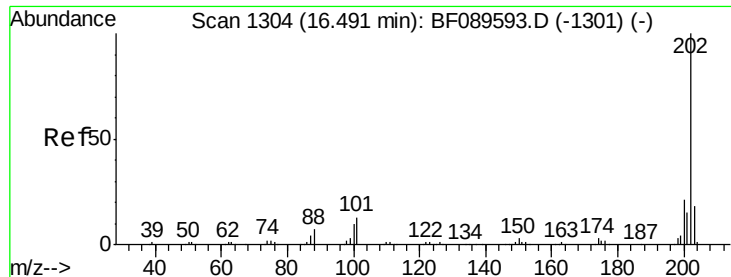
#71
Anthracene
Concen: 2.87 ng
RT: 14.81 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BF089634.D
Acq: 5 Aug 2016 17:10

Tgt Ion:178 Resp: 24841
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 17.7 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

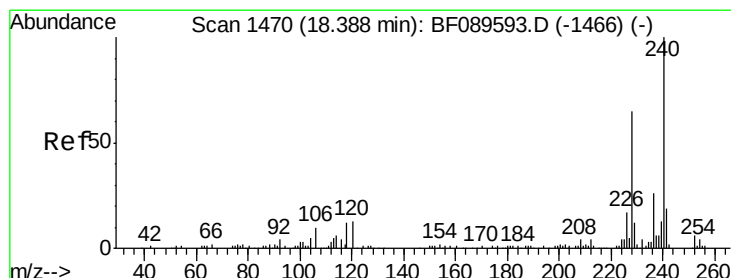
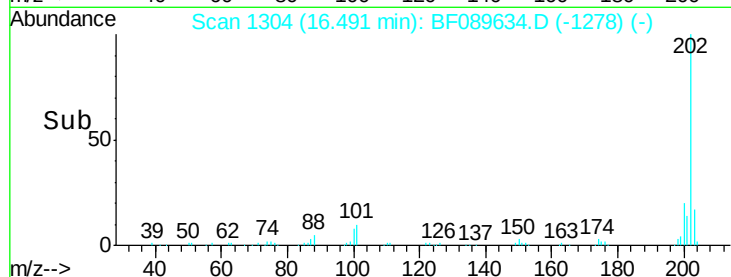
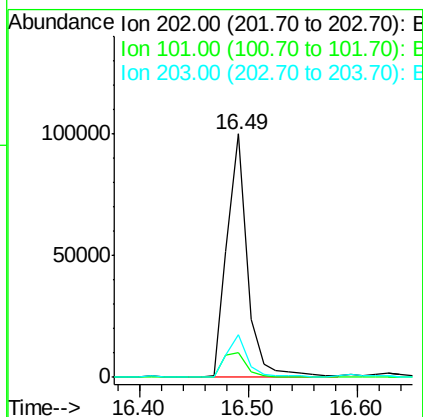
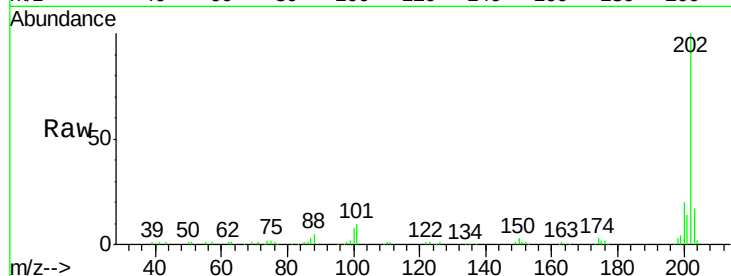




#74
 Fluoranthene
 Concen: 15.75 ng
 RT: 16.49 min Scan# 1304
 Delta R.T. 0.00 min
 Lab File: BF089634.D
 Acq: 5 Aug 2016 17:10

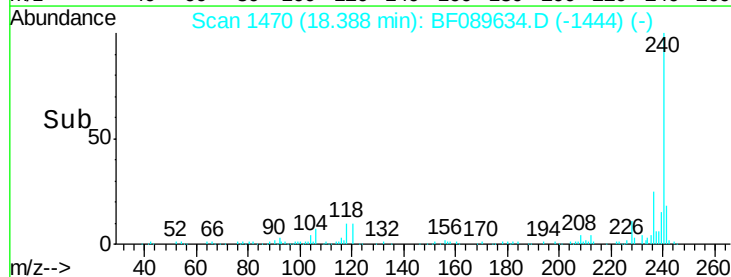
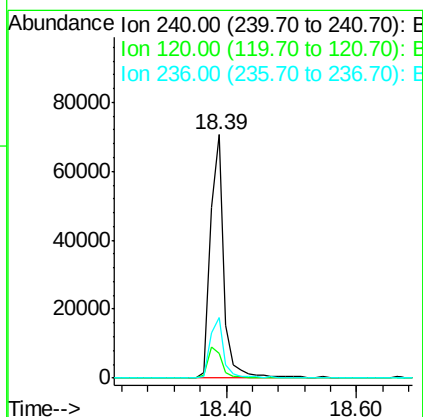
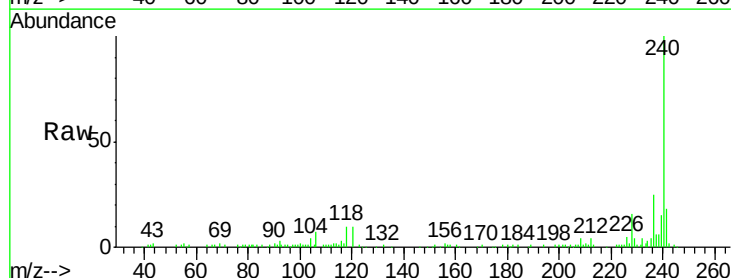
Instrument :
 BNA_F
 ClientSampled :
 SS10-0-2IN

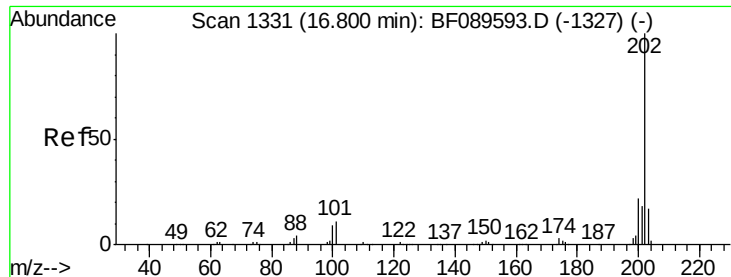
Tgt Ion: 202 Resp: 130901
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 32.7
 203 17.5 0.0 37.8



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.39 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: BF089634.D
 Acq: 5 Aug 2016 17:10

Tgt Ion: 240 Resp: 102658
 Ion Ratio Lower Upper
 240 100
 120 10.2 10.6 15.8#
 236 24.9 20.6 30.8

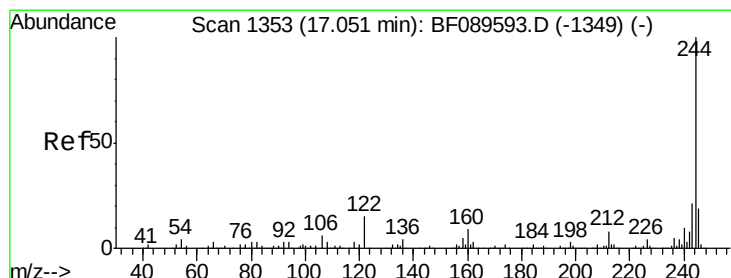
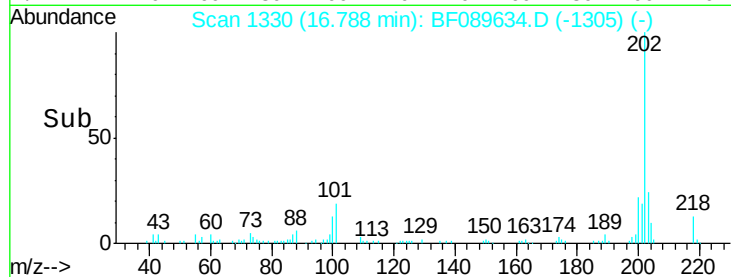
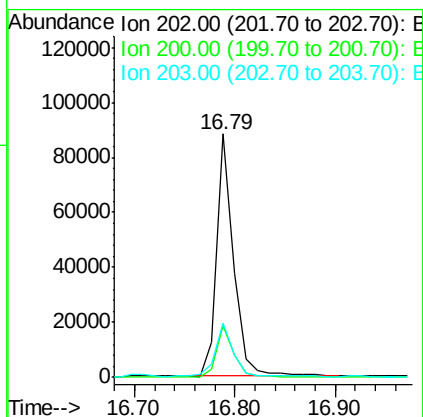
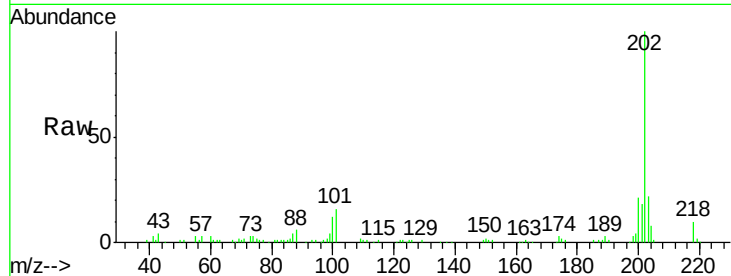




#77
 Pyrene
 Concen: 11.37 ng
 RT: 16.79 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF089634.D
 Acq: 5 Aug 2016 17:10

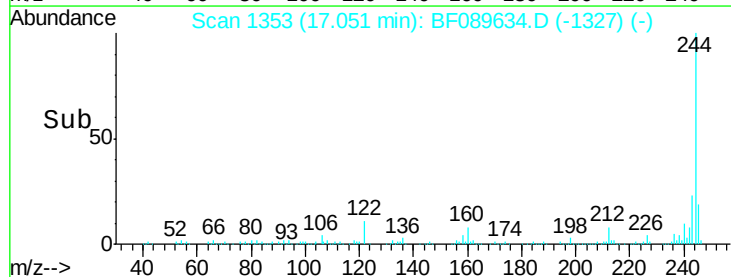
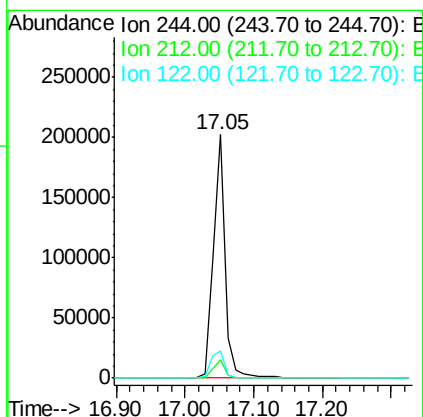
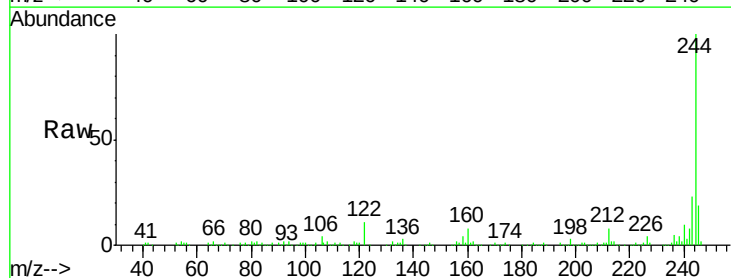
Instrument :
 BNA_F
 ClientSampleId :
 SS10-0-2IN

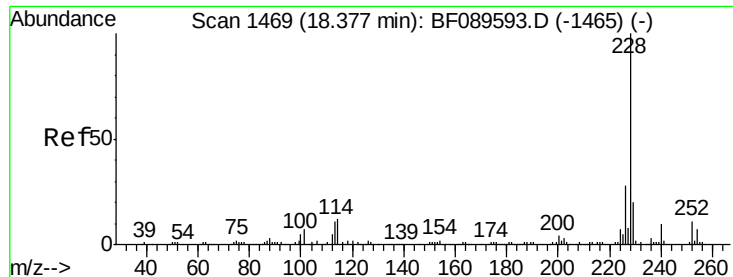
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.0
203	22.2	13.6	20.4



#78
 Terphenyl-d14
 Concen: 47.29 ng
 RT: 17.05 min Scan# 1353
 Delta R.T. 0.00 min
 Lab File: BF089634.D
 Acq: 5 Aug 2016 17:10

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.4	9.6
122	11.1	12.2	18.2





#80

Benzo(a)anthracene

Concen: 10.39 ng

RT: 18.38 min Scan# 1469

Delta R.T. 0.00 min

Lab File: BF089634.D

Acq: 5 Aug 2016 17:10

Instrument :

BNA_F

ClientSampleId :

SS10-0-2IN

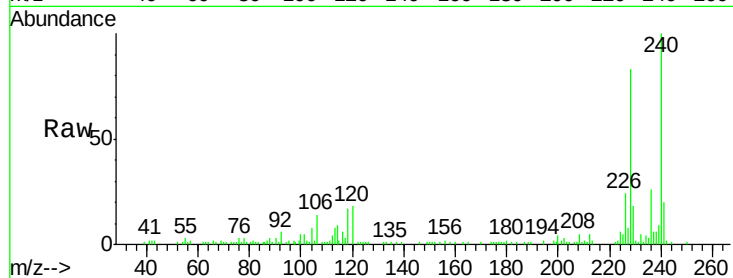
Tgt Ion:228 Resp: 61291

Ion Ratio Lower Upper

228 100

226 28.8 22.3 33.5

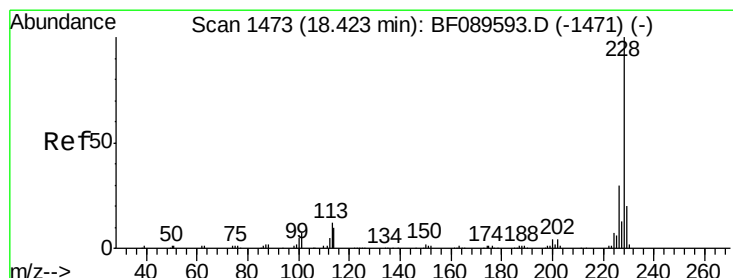
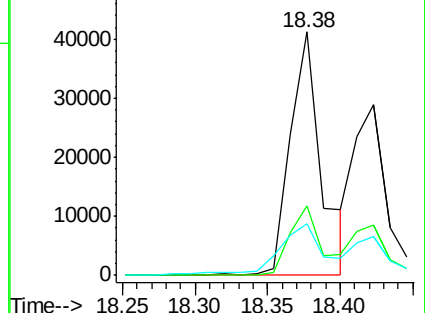
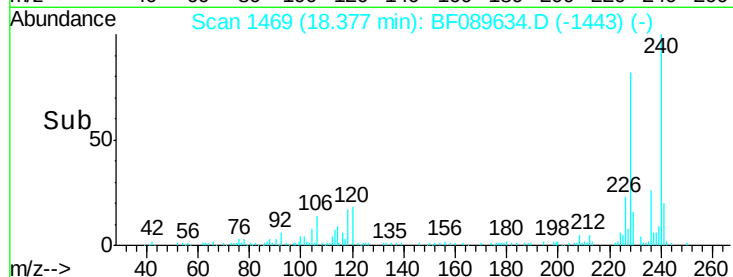
229 21.0 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 7.41 ng

RT: 18.42 min Scan# 1473

Delta R.T. 0.00 min

Lab File: BF089634.D

Acq: 5 Aug 2016 17:10

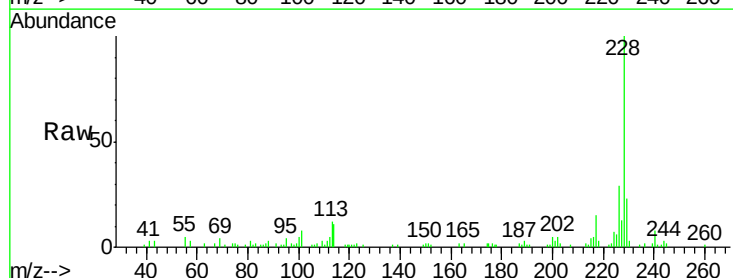
Tgt Ion:228 Resp: 45880

Ion Ratio Lower Upper

228 100

226 29.2 24.2 36.2

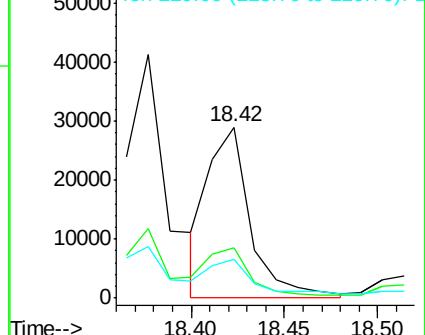
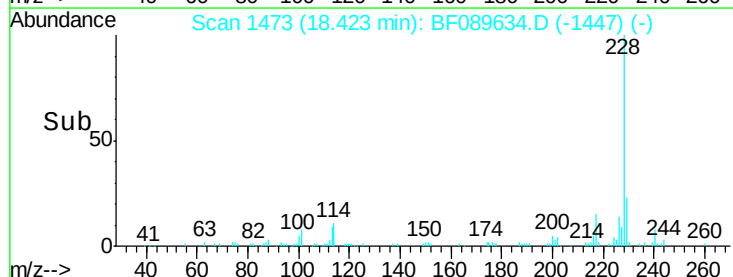
229 23.0 16.0 24.0

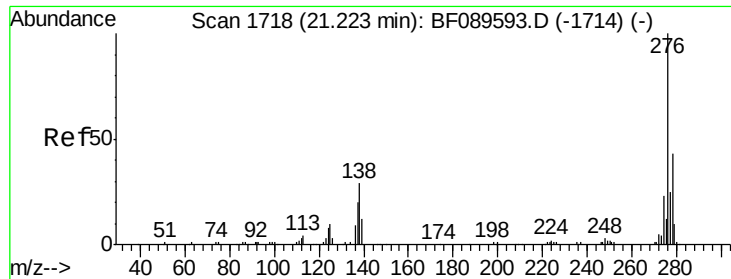


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

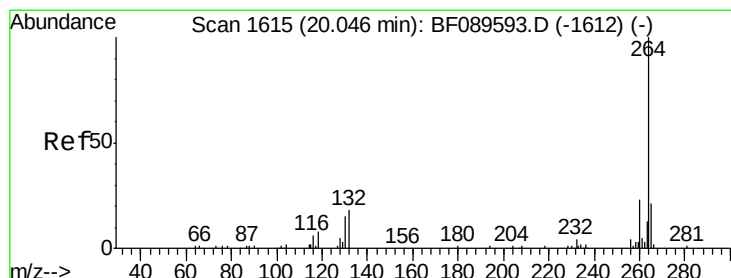
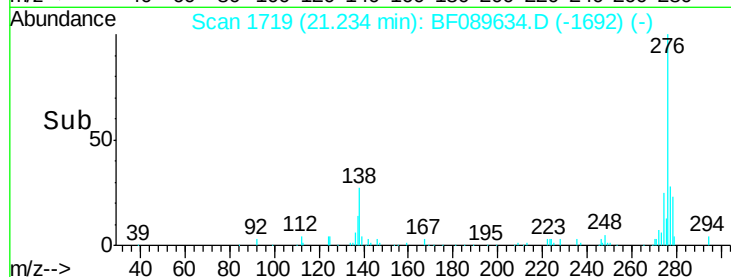
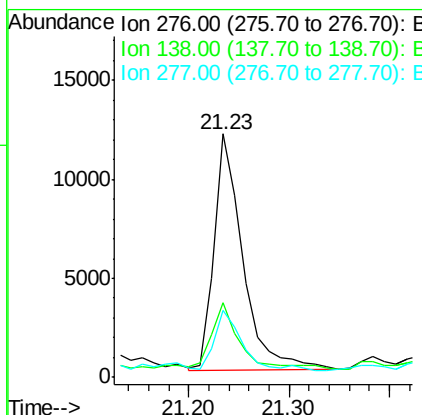
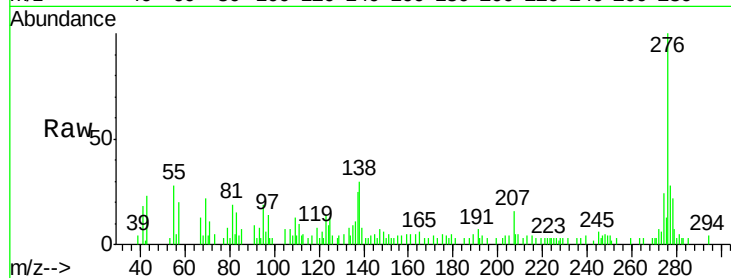




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.04 ng
 RT: 21.23 min Scan# 1719
 Delta R.T. 0.01 min
 Lab File: BF089634.D
 Acq: 5 Aug 2016 17:10

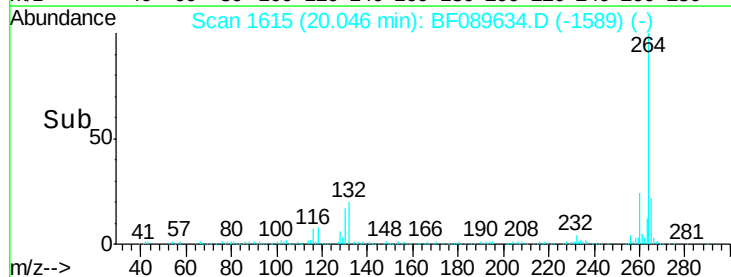
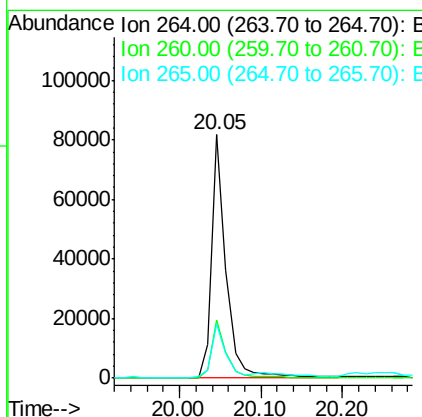
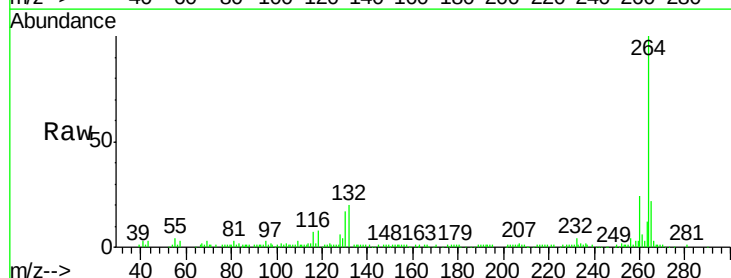
Instrument :
 BNA_F
 ClientSampleId :
 SS10-0-2IN

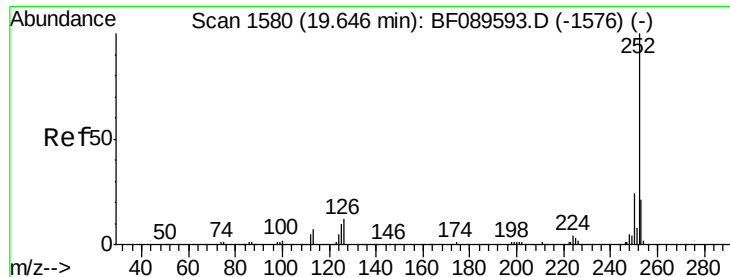
Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.0	23.8	35.8
277	24.3	20.3	30.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.05 min Scan# 1615
 Delta R.T. 0.00 min
 Lab File: BF089634.D
 Acq: 5 Aug 2016 17:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	22.5	16.5	24.7





#87

Benzo(b)fluoranthene

Concen: 14.65 ng

RT: 19.65 min Scan# 1580

Delta R.T. 0.00 min

Lab File: BF089634.D

Acq: 5 Aug 2016 17:10

Instrument :

BNA_F

ClientSampleId :

SS10-0-2IN

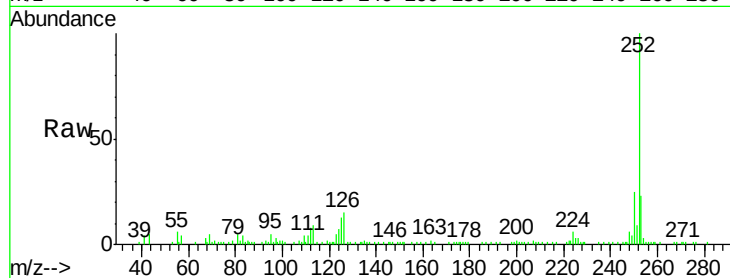
Tgt Ion:252 Resp: 92515

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

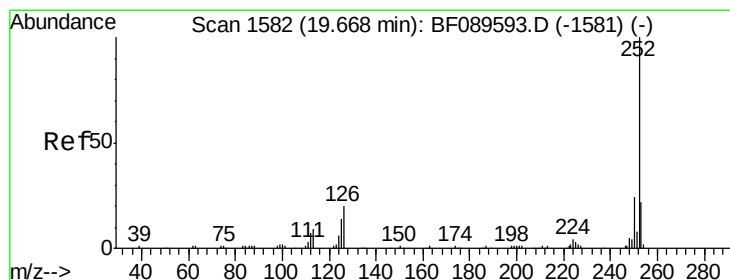
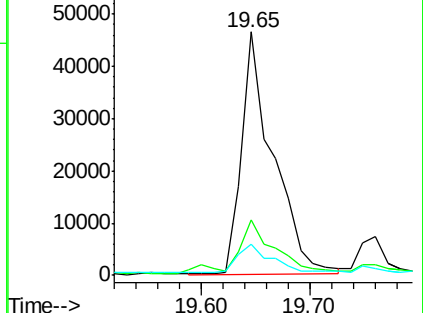
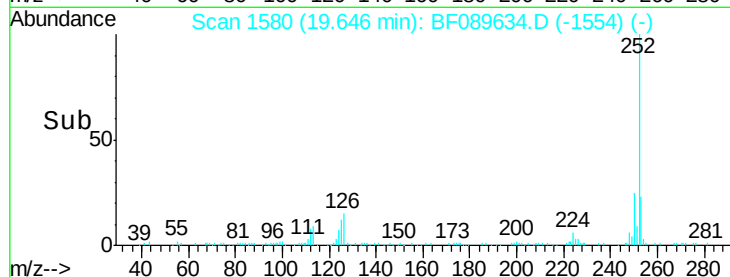
125 13.0 7.8 11.8#



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: 14.53 ng

RT: 19.65 min Scan# 1580

Delta R.T. -0.02 min

Lab File: BF089634.D

Acq: 5 Aug 2016 17:10

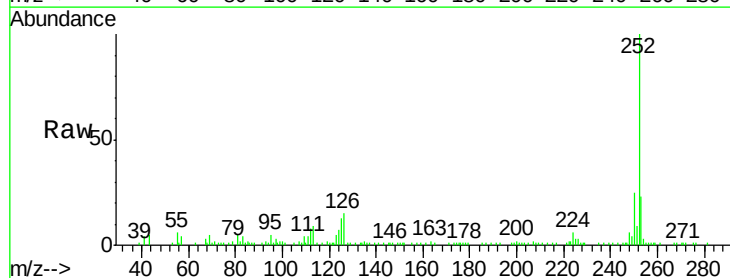
Tgt Ion:252 Resp: 92515

Ion Ratio Lower Upper

252 100

253 22.9 17.3 25.9

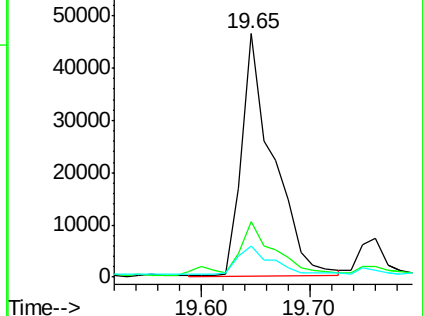
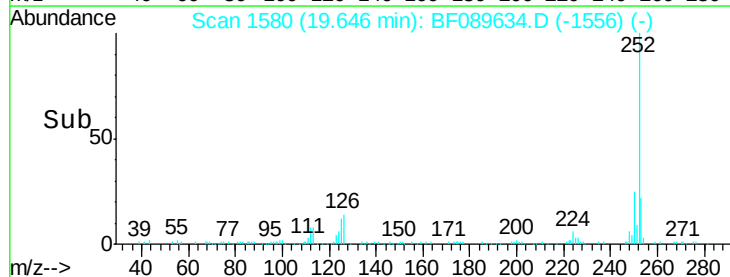
125 13.0 11.0 16.6

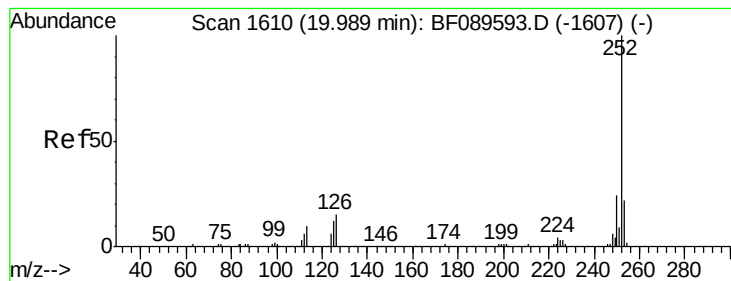


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 7.94 ng

RT: 19.99 min Scan# 1610

Delta R.T. 0.00 min

Lab File: BF089634.D

Acq: 5 Aug 2016 17:10

Instrument :

BNA_F

ClientSampleId :

SS10-0-2IN

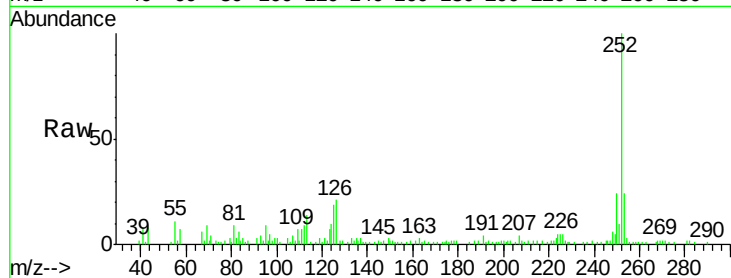
Tgt Ion:252 Resp: 46942

Ion Ratio Lower Upper

252 100

253 24.2 17.4 26.0

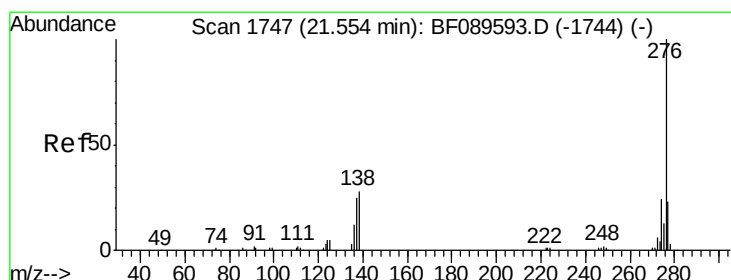
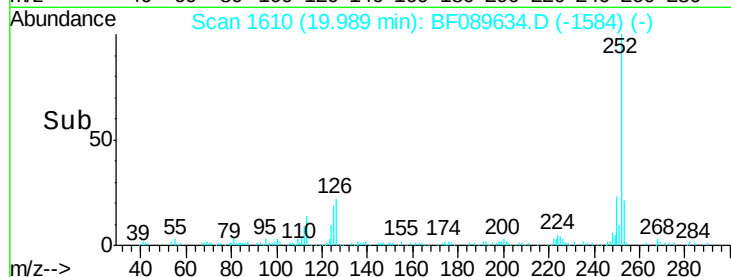
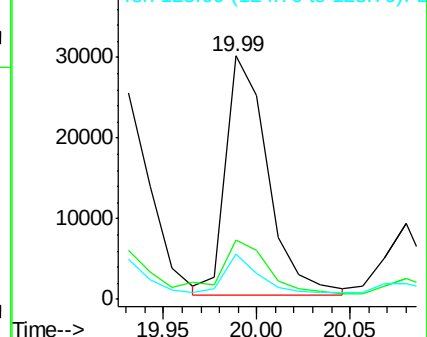
125 18.8 9.9 14.9#



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: 4.74 ng

RT: 21.58 min Scan# 1749

Delta R.T. 0.02 min

Lab File: BF089634.D

Acq: 5 Aug 2016 17:10

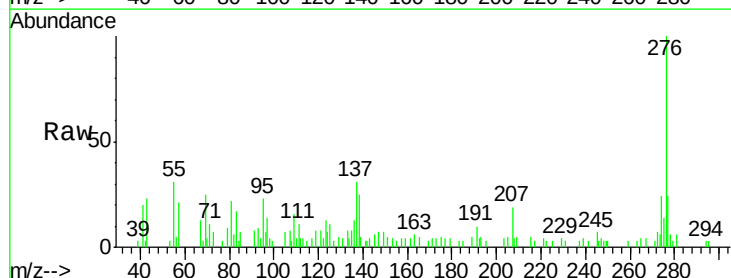
Tgt Ion:276 Resp: 26770

Ion Ratio Lower Upper

276 100

277 24.4 18.6 28.0

138 25.3 22.6 33.8



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

