

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031116\
 Data File : BF085399.D
 Acq On : 12 Mar 2016 5:16
 Operator : UM/SJ
 Sample : H1754-06
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-21(0.5-3.0)

Quant Time: Mar 12 05:43:43 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

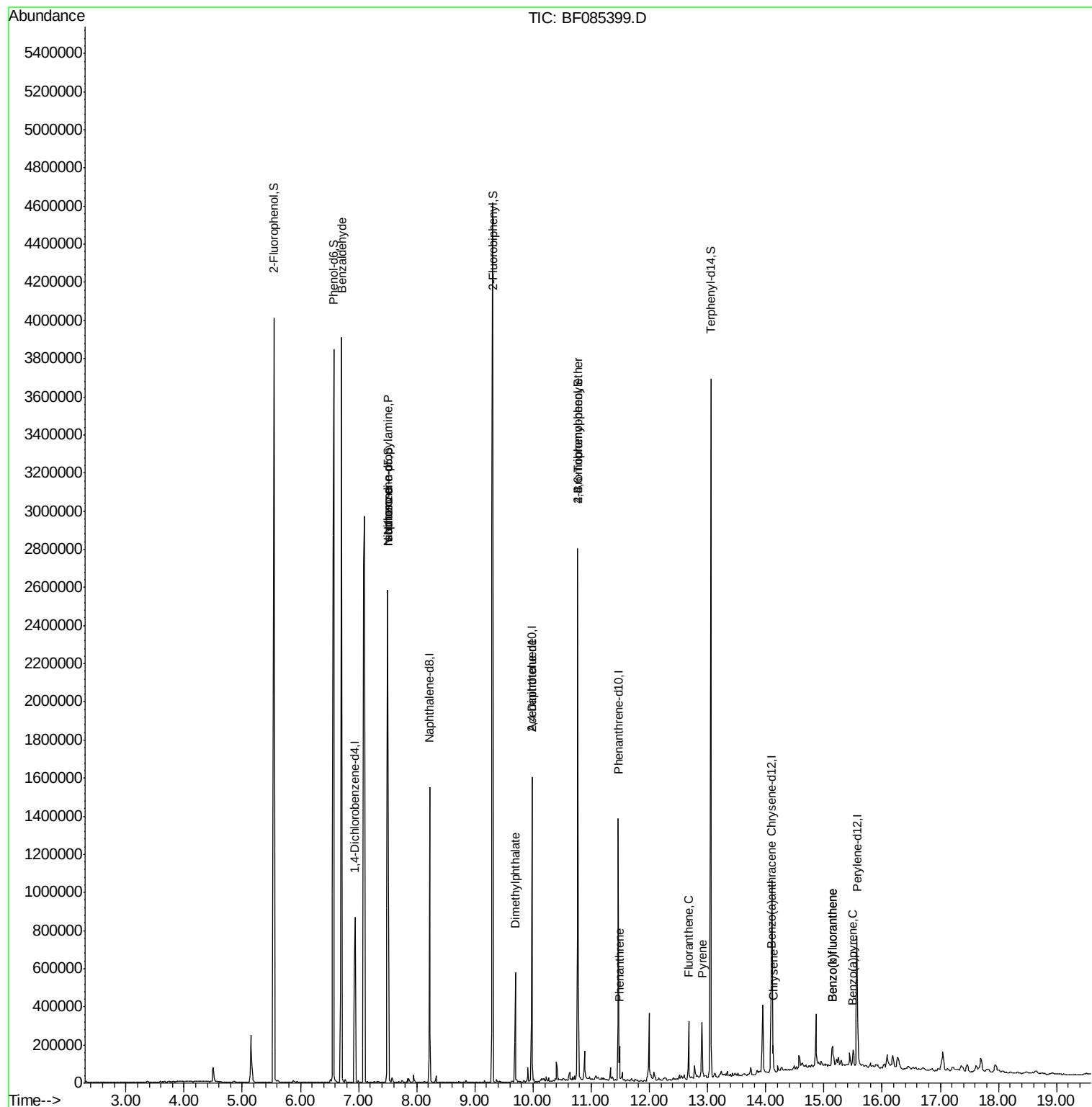
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	173485	20.00	ng	-0.05
21) Naphthalene-d8	8.22	136	648885	20.00	ng	-0.05
38) Acenaphthene-d10	9.98	164	295260	20.00	ng	-0.05
63) Phenanthrene-d10	11.46	188	474935	20.00	ng	-0.05
75) Chrysene-d12	14.11	240	316897	20.00	ng	-0.05
86) Perylene-d12	15.57	264	290831	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	1331974	128.79	ng	-0.03
7) Phenol-d6	6.57	99	2025856	149.51	ng	-0.03
23) Nitrobenzene-d5	7.50	82	1112907	91.78	ng	-0.05
41) 2,4,6-Tribromophenol	10.77	330	348958	138.12	ng	-0.05
44) 2-Fluorobiphenyl	9.30	172	1785836	91.98	ng	-0.05
78) Terphenyl-d14	13.05	244	1119903	82.04	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	6.71	77	35128	2.63	ng	89
19) n-Nitroso-di-n-propylamine	7.50	70	146711	16.61	ng	# 78
25) Isophorone	7.50	82	878957	39.11	ng	# 67
49) Dimethylphthalate	9.69	163	250852	11.07	ng	98
56) 2,4-Dinitrotoluene	9.98	165	37745	6.08	ng	# 22
66) 4-Bromophenyl-phenylether	10.77	248	23756	5.15	ng	# 1
70) Phenanthrene	11.49	178	62668	2.52	ng	96
74) Fluoranthene	12.68	202	112085	4.49	ng	97
77) Pyrene	12.90	202	113693	4.77	ng	97
80) Benzo(a)anthracene	14.09	228	61741	3.25	ng	99
82) Chrysene	14.13	228	41466	2.37	ng	99
87) Benzo(b)fluoranthene	15.15	252	82127	4.24	ng	99
88) Benzo(k)fluoranthene	15.15	252	82127	5.25	ng	98
89) Benzo(a)pyrene	15.50	252	43343	2.70	ng	# 91

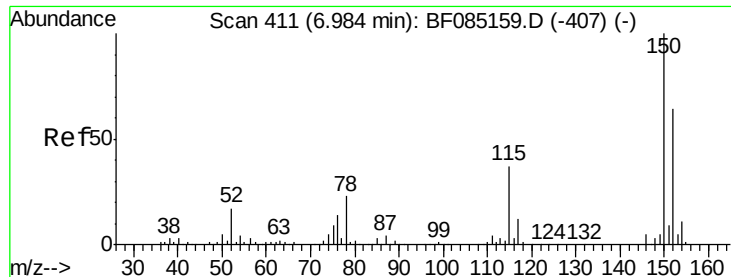
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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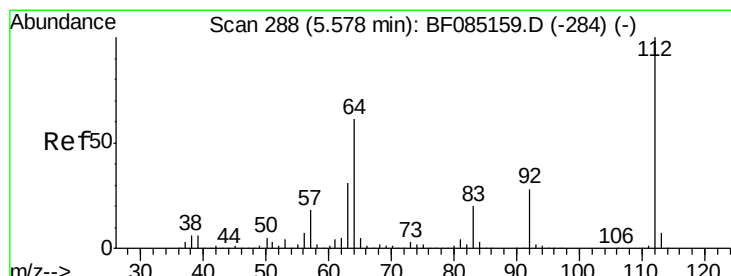
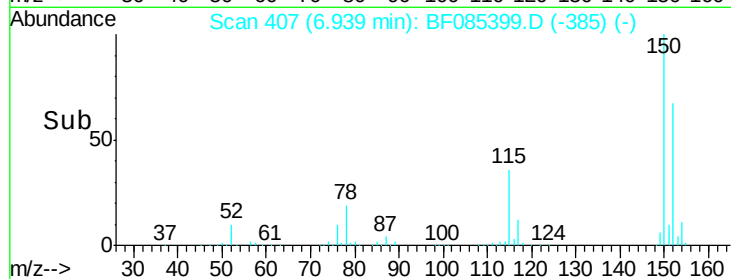
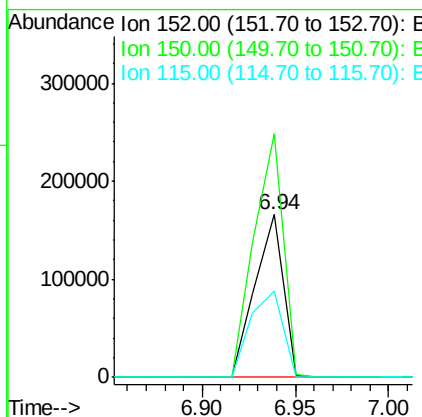
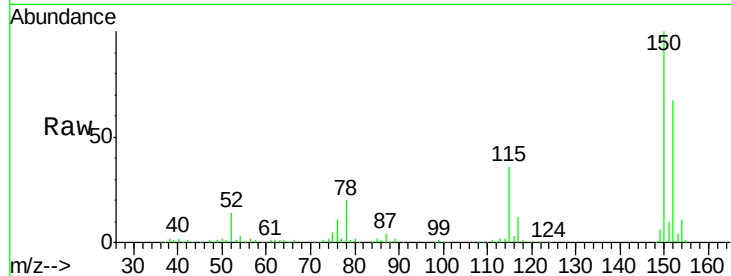




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.94 min Scan# 407
 Delta R.T. -0.05 min
 Lab File: BF085399.D
 Acq: 12 Mar 2016 5:16

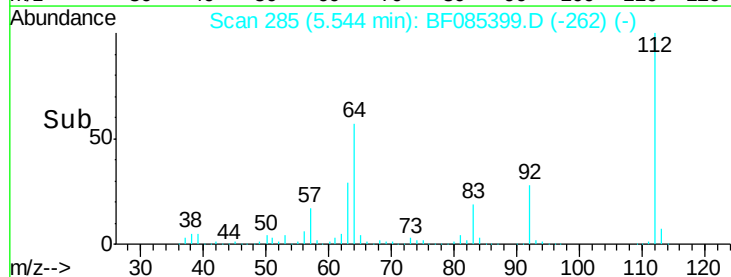
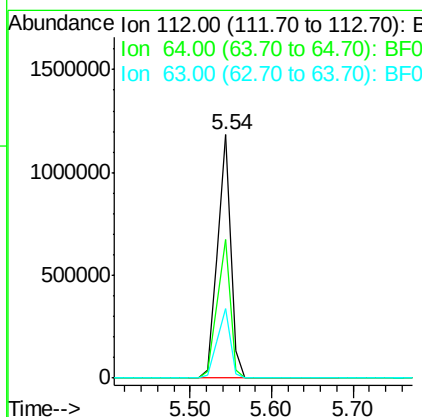
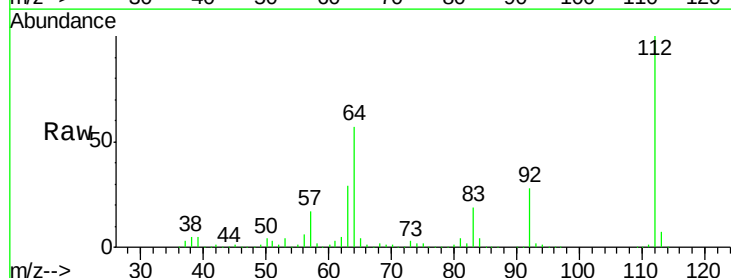
Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-21(0.5-3.0)

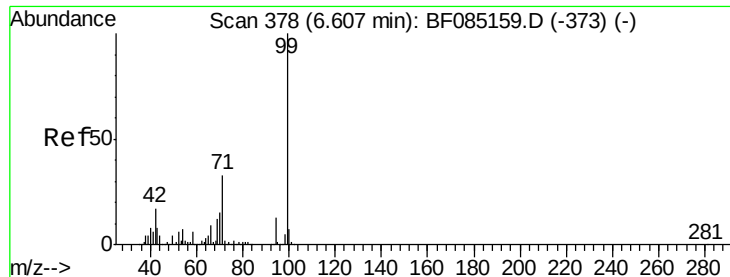
Tgt Ion:152 Resp: 173485
 Ion Ratio Lower Upper
 152 100
 150 149.9 124.6 186.8
 115 53.4 46.6 70.0



#5
 2-Fluorophenol
 Concen: 128.79 ng
 RT: 5.54 min Scan# 285
 Delta R.T. -0.03 min
 Lab File: BF085399.D
 Acq: 12 Mar 2016 5:16

Tgt Ion:112 Resp: 1331974
 Ion Ratio Lower Upper
 112 100
 64 57.1 49.0 73.4
 63 28.6 24.8 37.2





#7

Phenol-d6

Concen: 149.51 ng

RT: 6.57 min Scan# 375

Delta R.T. -0.03 min

Lab File: BF085399.D

Acq: 12 Mar 2016 5:16

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-21(0.5-3.0)

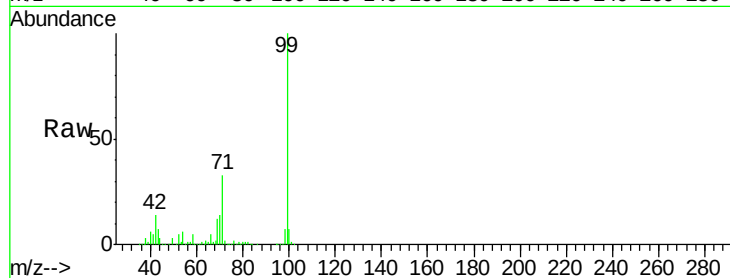
Tgt Ion: 99 Resp: 2025856

Ion Ratio Lower Upper

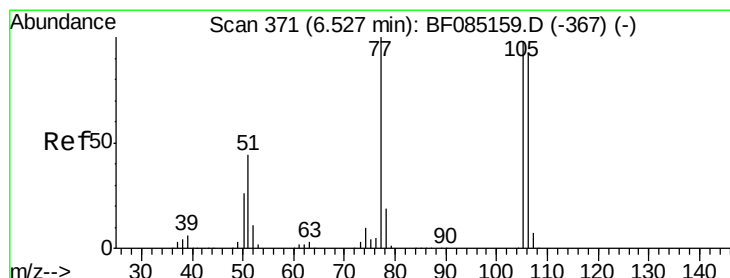
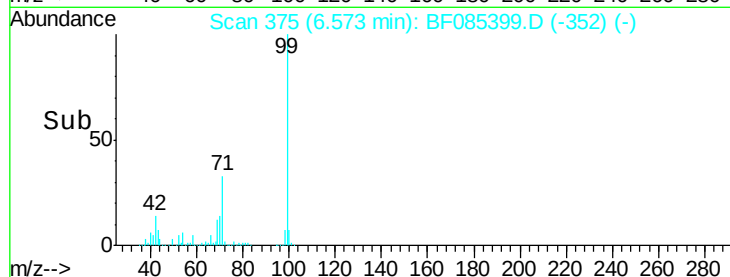
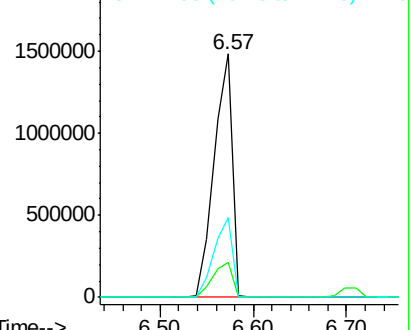
99 100

42 14.3 13.6 20.4

71 33.0 26.7 40.1



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



#9

Benzaldehyde

Concen: 2.63 ng

RT: 6.71 min Scan# 387

Delta R.T. 0.18 min

Lab File: BF085399.D

Acq: 12 Mar 2016 5:16

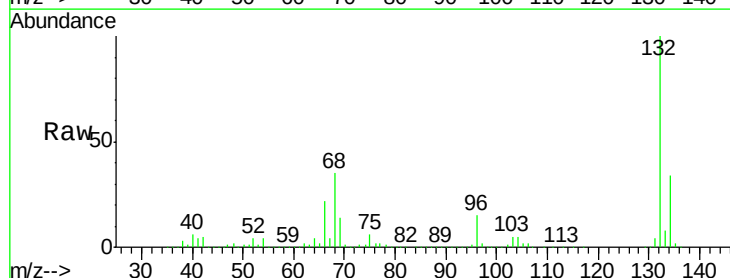
Tgt Ion: 77 Resp: 35128

Ion Ratio Lower Upper

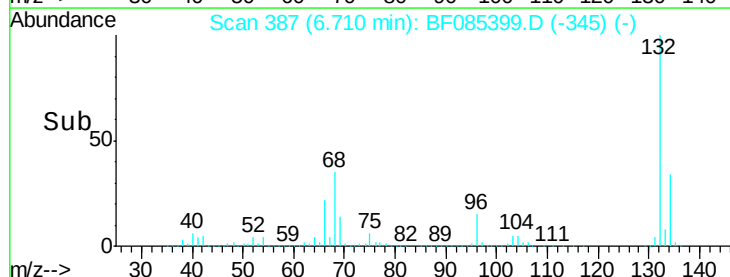
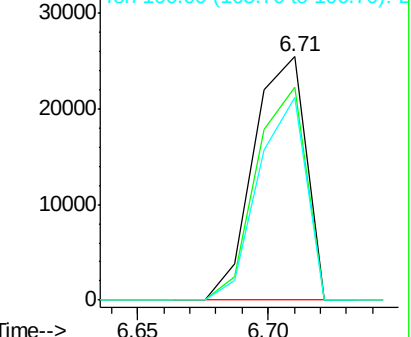
77 100

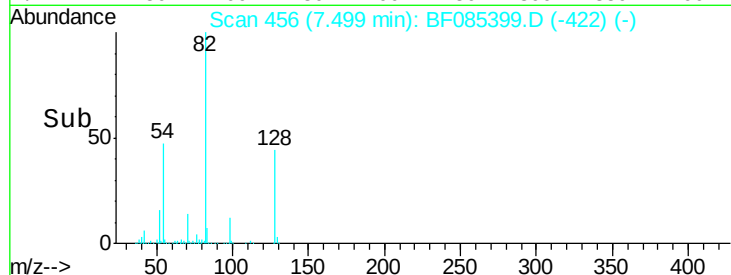
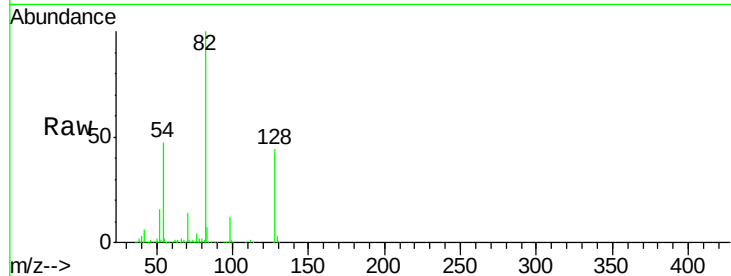
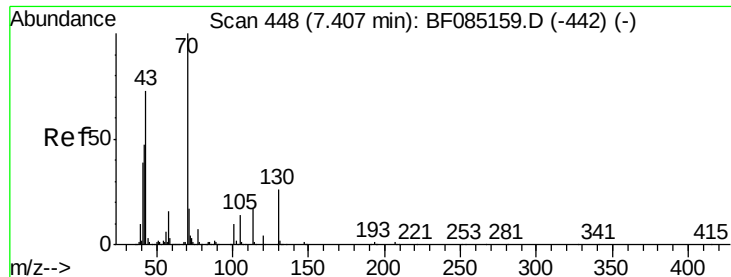
105 87.2 78.2 118.2

106 83.1 72.9 112.9



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0

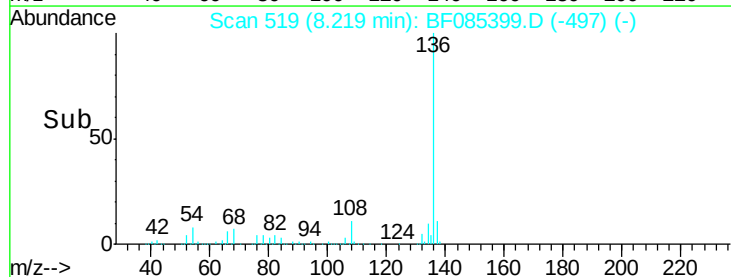
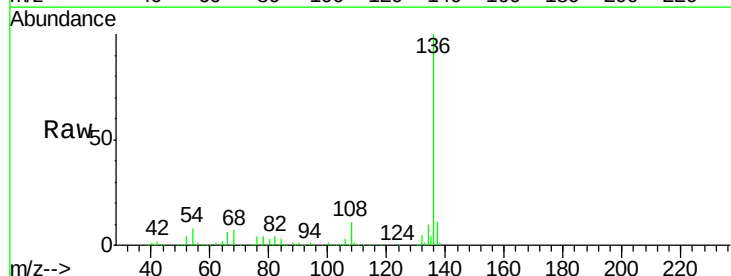
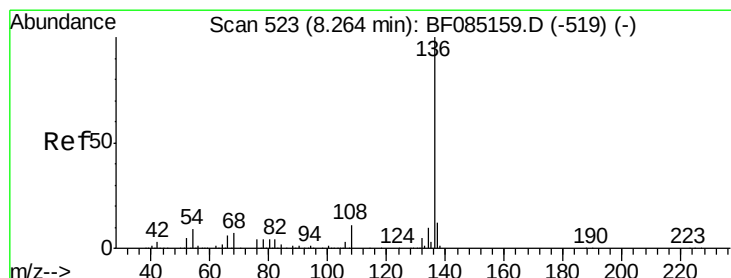
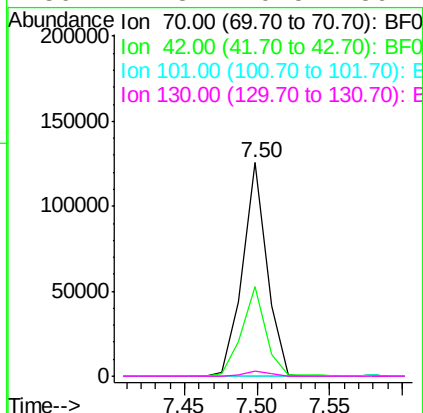




#19
n-Nitroso-di-n-propylamine
Concen: 16.61 ng
RT: 7.50 min Scan# 456
Delta R.T. 0.09 min
Lab File: BF085399.D
Acq: 12 Mar 2016 5:16

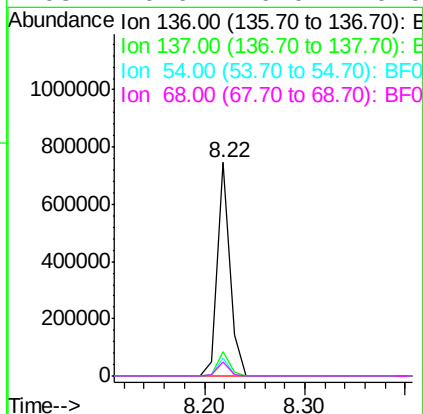
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-21(0.5-3.0)

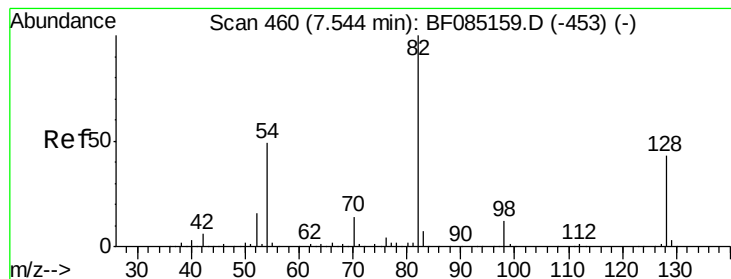
Tgt Ion:	70	Resp:	146711
Ion	Ratio	Lower	Upper
70	100		
42	42.0	37.7	56.5
101	0.0	8.2	12.4#
130	2.3	20.5	30.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.22 min Scan# 519
Delta R.T. -0.05 min
Lab File: BF085399.D
Acq: 12 Mar 2016 5:16

Tgt Ion:	136	Resp:	648885
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.3	13.9
54	8.3	7.4	11.2
68	6.6	6.0	9.0





#23

Nitrobenzene-d5

Concen: 91.78 ng

RT: 7.50 min Scan# 456

Delta R.T. -0.05 min

Lab File: BF085399.D

Acq: 12 Mar 2016 5:16

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-21(0.5-3.0)

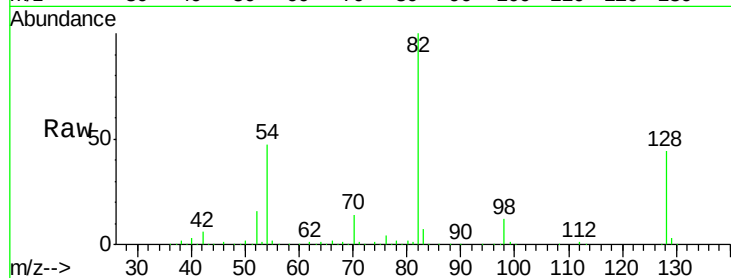
Tgt Ion: 82 Resp: 1112907

Ion Ratio Lower Upper

82 100

128 44.2 34.5 51.7

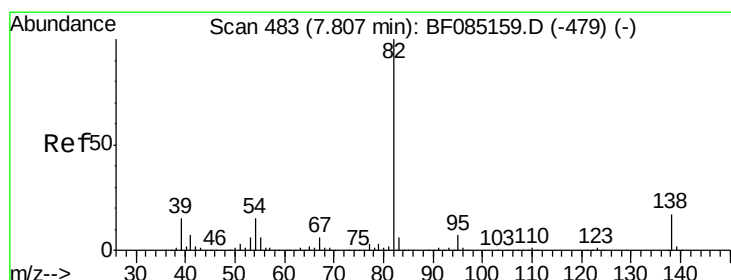
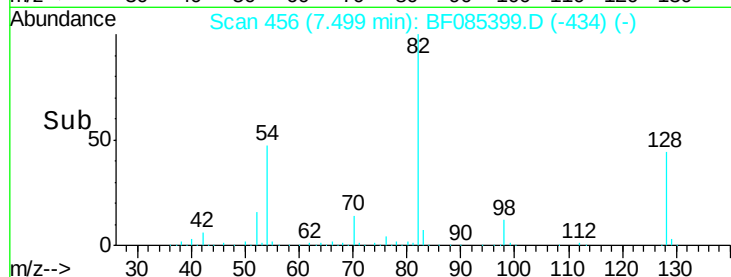
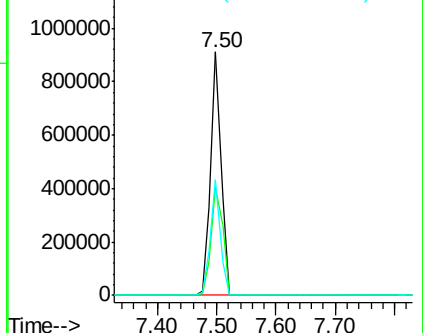
54 47.4 39.3 58.9



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 39.11 ng

RT: 7.50 min Scan# 456

Delta R.T. -0.31 min

Lab File: BF085399.D

Acq: 12 Mar 2016 5:16

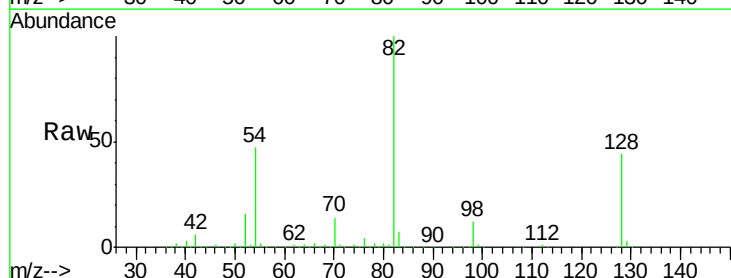
Tgt Ion: 82 Resp: 878957

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

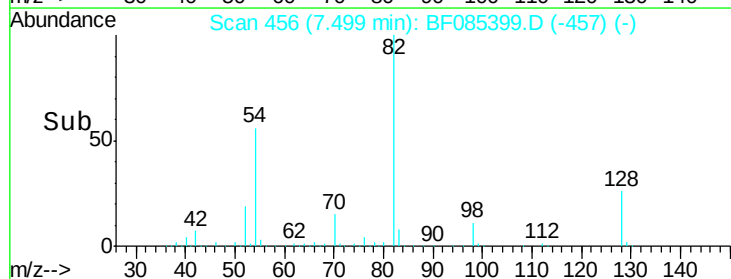
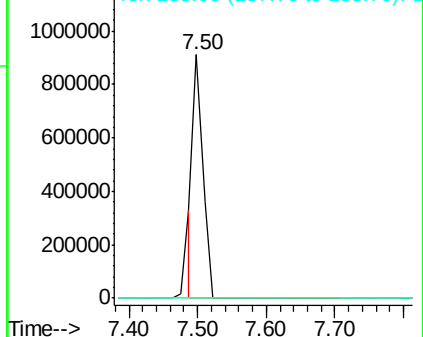
138 0.0 13.3 19.9#

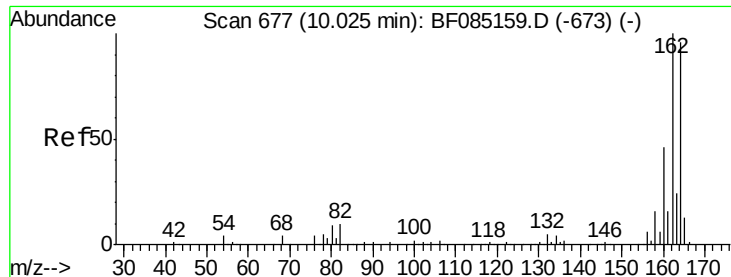


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.98 min Scan# 673

Delta R.T. -0.05 min

Lab File: BF085399.D

Acq: 12 Mar 2016 5:16

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-21(0.5-3.0)

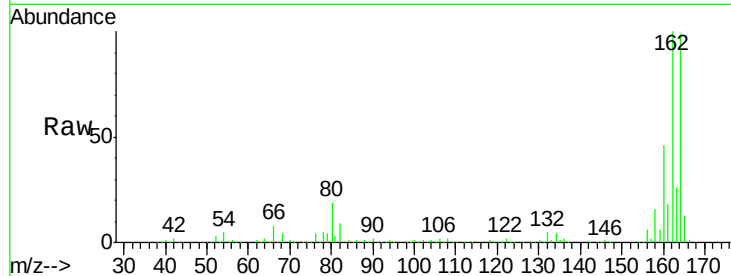
Tgt Ion:164 Resp: 295260

Ion Ratio Lower Upper

164 100

162 100.8 83.3 124.9

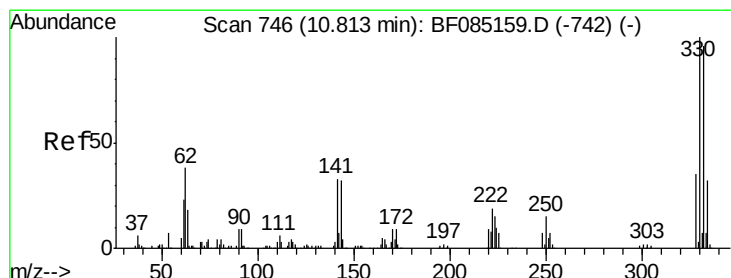
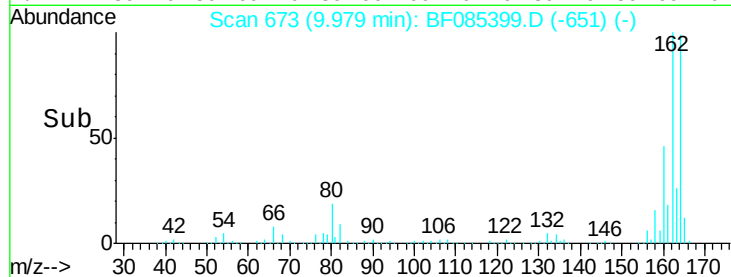
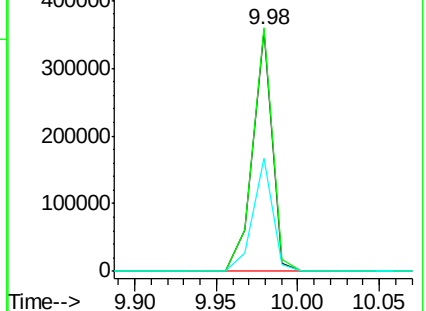
160 46.7 37.9 56.9



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: 138.12 ng

RT: 10.77 min Scan# 742

Delta R.T. -0.05 min

Lab File: BF085399.D

Acq: 12 Mar 2016 5:16

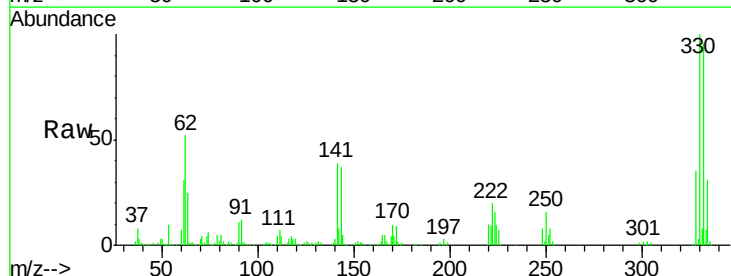
Tgt Ion:330 Resp: 348958

Ion Ratio Lower Upper

330 100

332 96.4 77.1 115.7

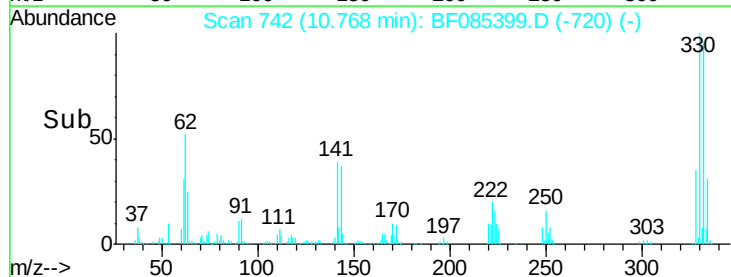
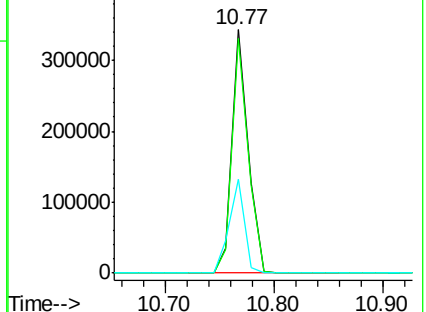
141 37.4 35.0 52.6

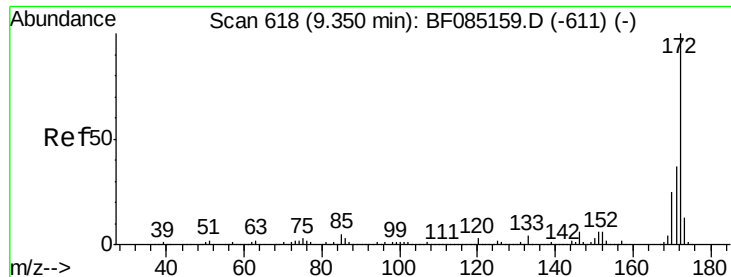


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

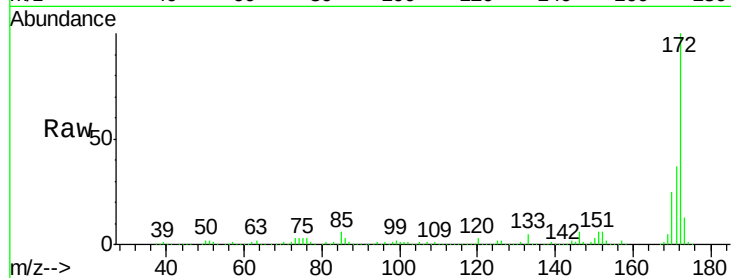




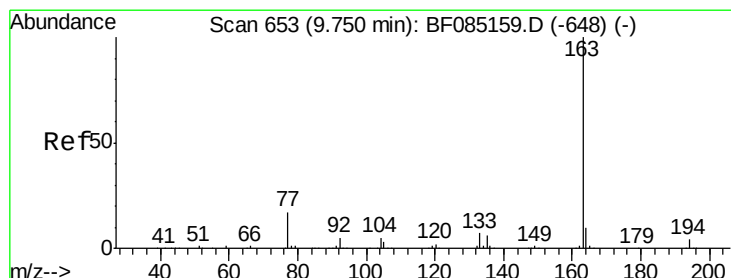
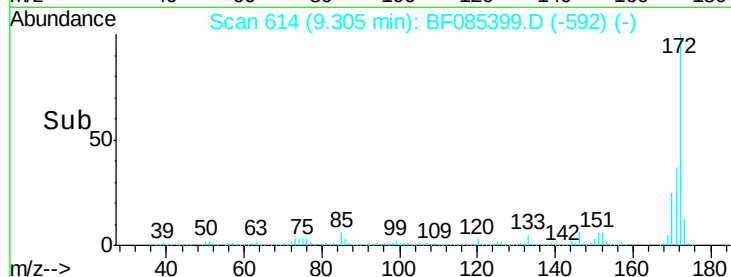
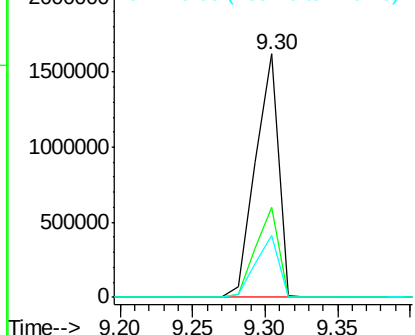
#44
2-Fluorobiphenyl
Concen: 91.98 ng
RT: 9.30 min Scan# 614
Delta R.T. -0.05 min
Lab File: BF085399.D
Acq: 12 Mar 2016 5:16

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-21(0.5-3.0)

Tgt Ion:172 Resp: 1785836
Ion Ratio Lower Upper
172 100
171 36.9 29.3 43.9
170 25.2 20.0 30.0

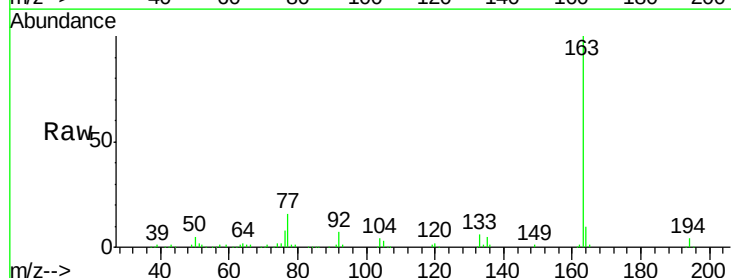


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

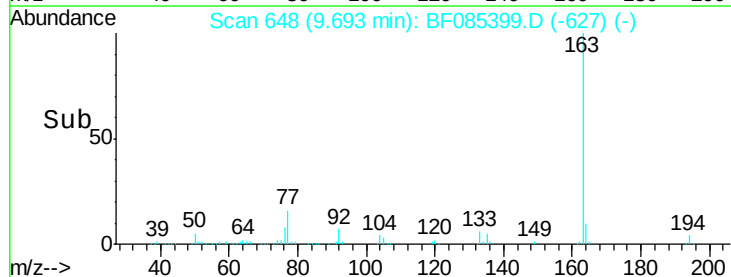
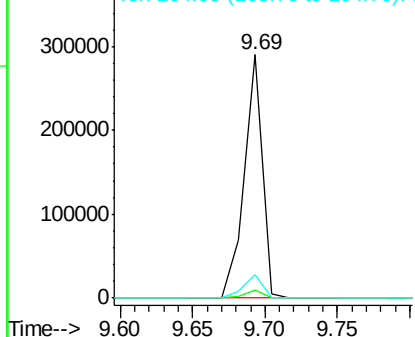


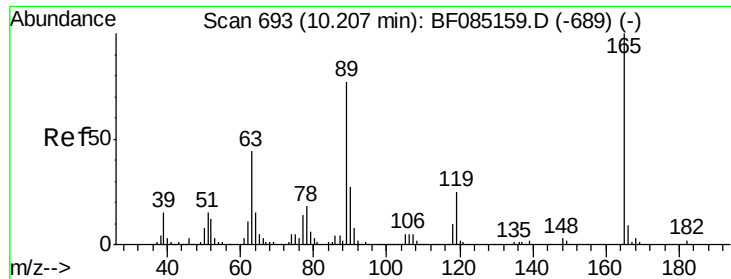
#49
Dimethylphthalate
Concen: 11.07 ng
RT: 9.69 min Scan# 648
Delta R.T. -0.06 min
Lab File: BF085399.D
Acq: 12 Mar 2016 5:16

Tgt Ion:163 Resp: 250852
Ion Ratio Lower Upper
163 100
194 3.6 3.1 4.7
164 9.6 8.2 12.4



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

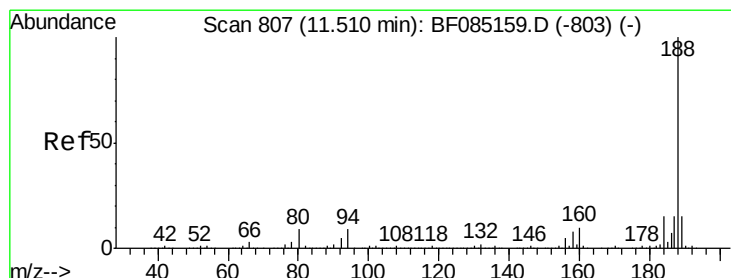
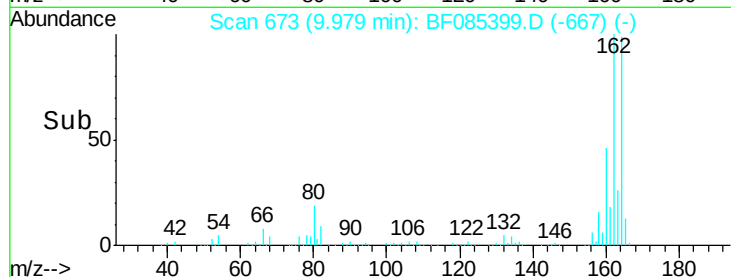
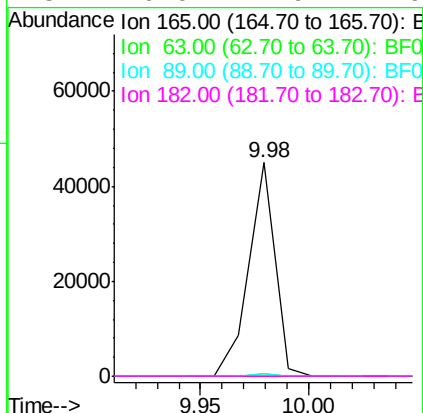
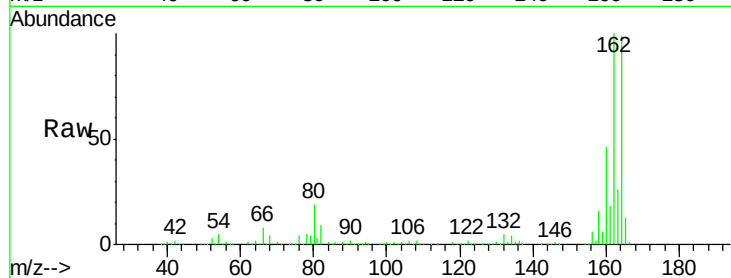




#56
 2,4-Dinitrotoluene
 Concen: 6.08 ng
 RT: 9.98 min Scan# 673
 Delta R.T. -0.23 min
 Lab File: BF085399.D
 Acq: 12 Mar 2016 5:16

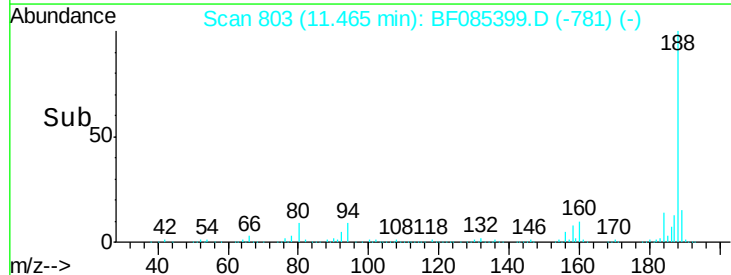
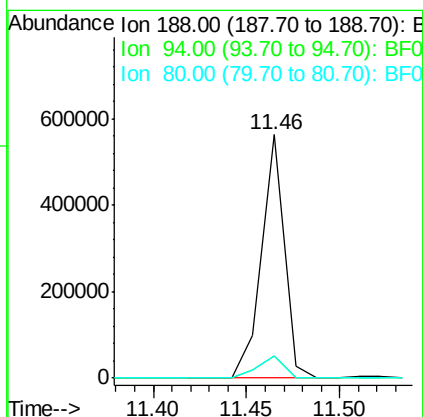
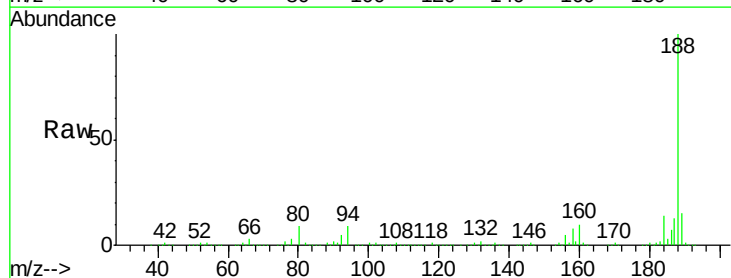
Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-21(0.5-3.0)

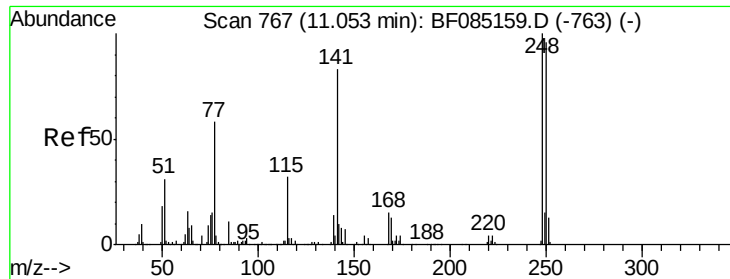
Tgt Ion:	165	Resp:	37745
Ion	Ratio	Lower	Upper
165	100		
63	1.3	35.4	53.0#
89	1.5	61.9	92.9#
182	0.0	1.9	2.9#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.46 min Scan# 803
 Delta R.T. -0.05 min
 Lab File: BF085399.D
 Acq: 12 Mar 2016 5:16

Tgt Ion:	188	Resp:	474935
Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.0	10.6
80	9.1	7.4	11.0

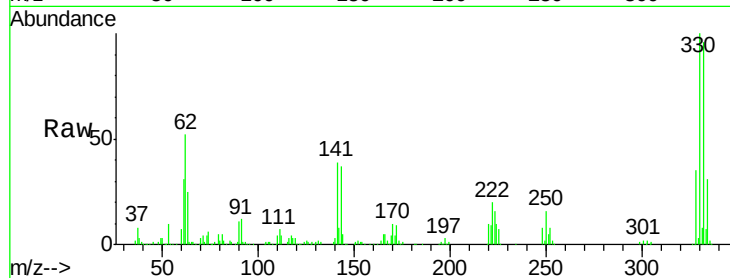




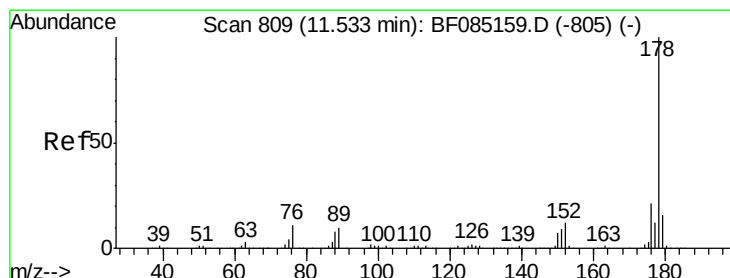
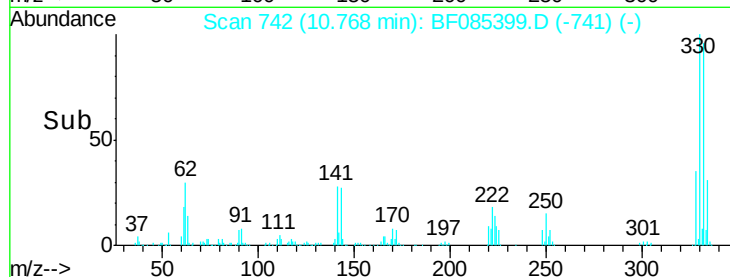
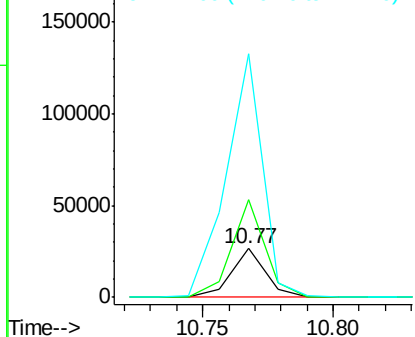
#66
4-Bromophenyl-phenylether
Concen: 5.15 ng
RT: 10.77 min Scan# 742
Delta R.T. -0.29 min
Lab File: BF085399.D
Acq: 12 Mar 2016 5:16

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-21(0.5-3.0)

Tgt Ion:248 Resp: 23756
Ion Ratio Lower Upper
248 100
250 202.2 77.1 115.7#
141 502.5 66.2 99.2#

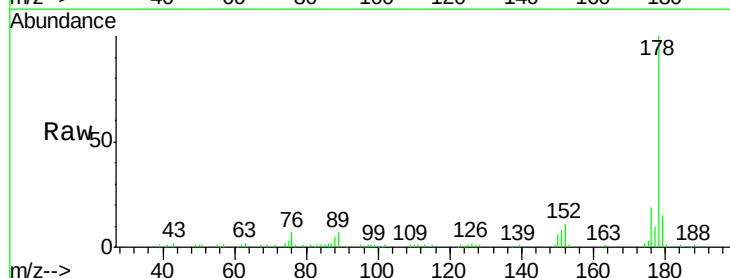


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

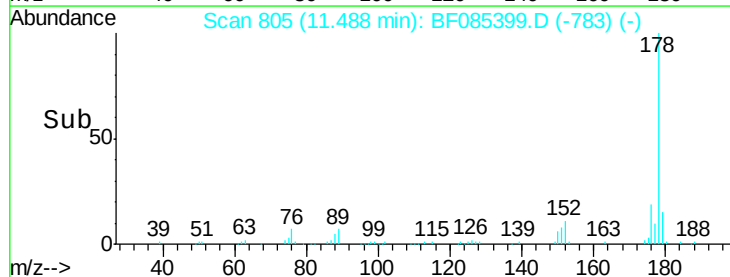
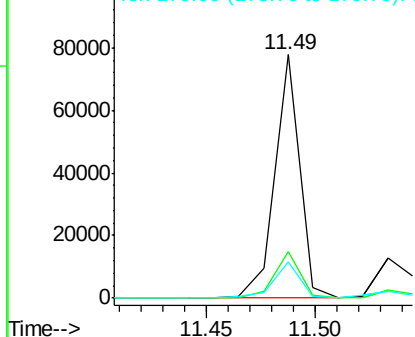


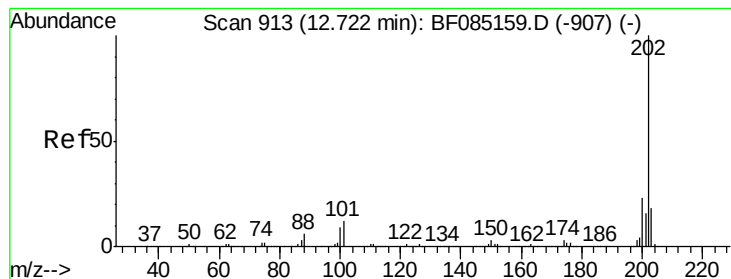
#70
Phenanthrene
Concen: 2.52 ng
RT: 11.49 min Scan# 805
Delta R.T. -0.05 min
Lab File: BF085399.D
Acq: 12 Mar 2016 5:16

Tgt Ion:178 Resp: 62668
Ion Ratio Lower Upper
178 100
176 18.9 16.8 25.2
179 14.7 13.1 19.7



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

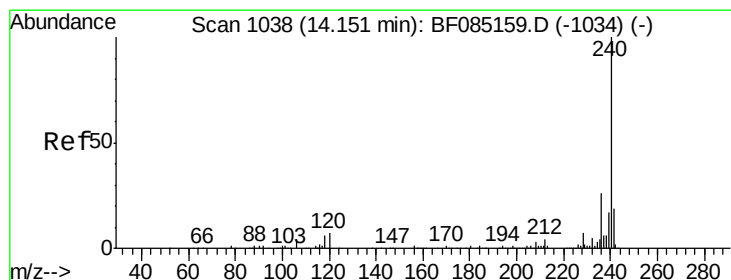
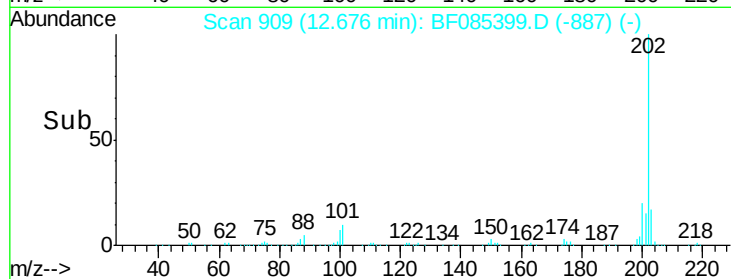
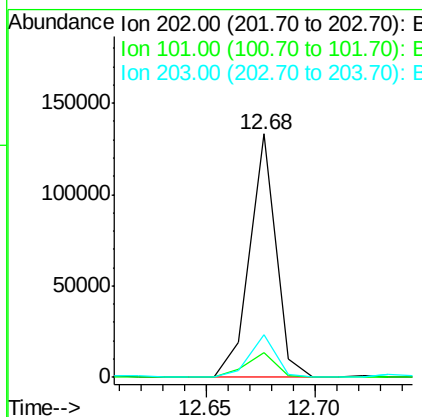
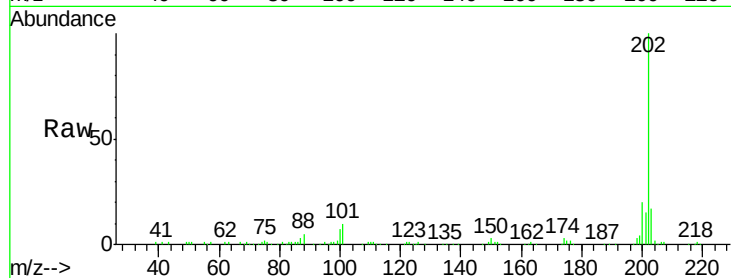




#74
 Fluoranthene
 Concen: 4.49 ng
 RT: 12.68 min Scan# 909
 Delta R.T. -0.05 min
 Lab File: BF085399.D
 Acq: 12 Mar 2016 5:16

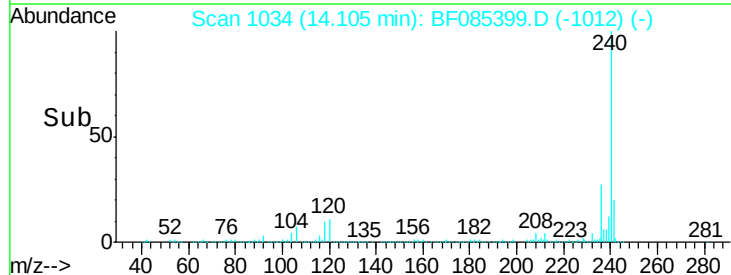
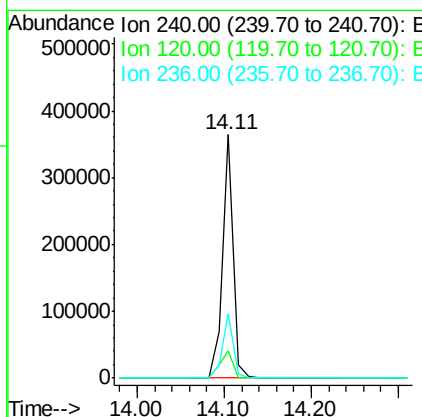
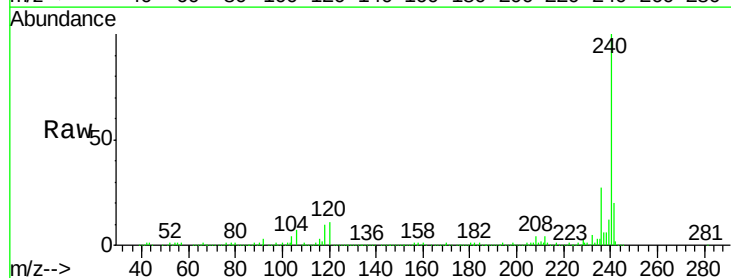
Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-21(0.5-3.0)

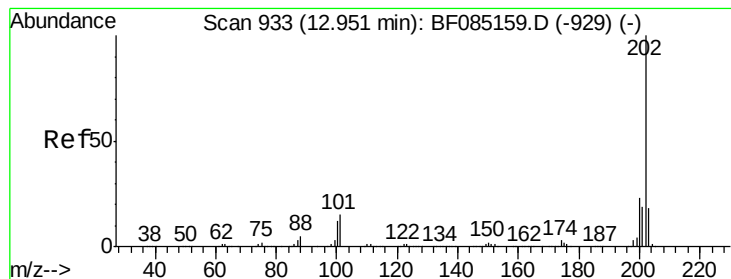
Tgt Ion:	202	Resp:	112085
Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	31.8
203	17.3	0.0	38.4



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.11 min Scan# 1034
 Delta R.T. -0.05 min
 Lab File: BF085399.D
 Acq: 12 Mar 2016 5:16

Tgt Ion:	240	Resp:	316897
Ion	Ratio	Lower	Upper
240	100		
120	11.0	5.3	7.9#
236	26.7	20.7	31.1





#77

Pyrene

Concen: 4.77 ng

RT: 12.90 min Scan# 929

Delta R.T. -0.05 min

Lab File: BF085399.D

Acq: 12 Mar 2016 5:16

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-21(0.5-3.0)

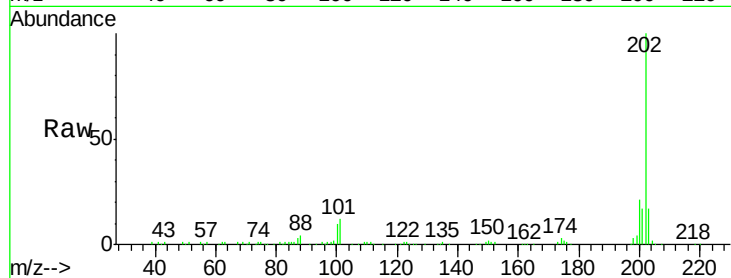
Tgt Ion: 202 Resp: 113693

Ion Ratio Lower Upper

202 100

200 20.8 18.2 27.4

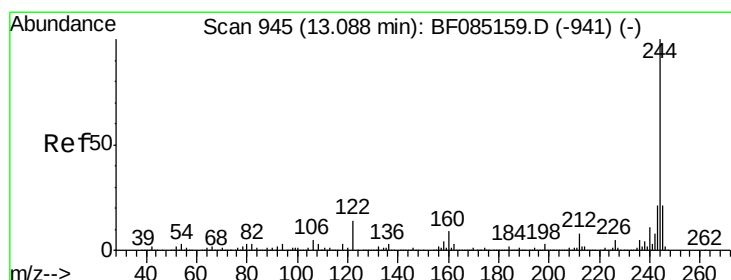
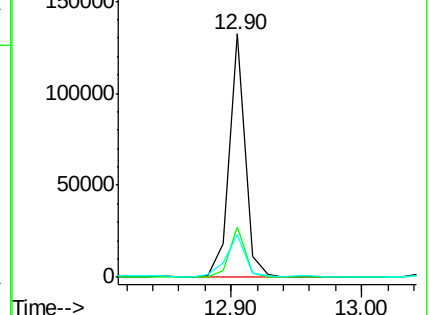
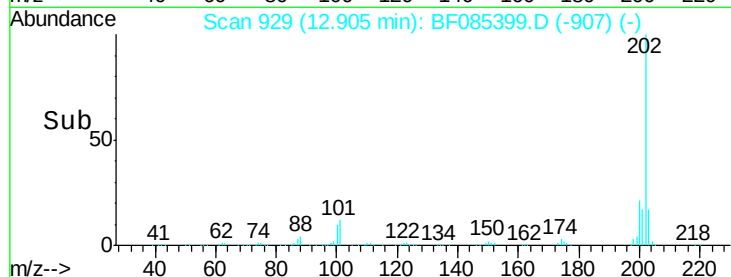
203 17.3 14.7 22.1



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: 82.04 ng

RT: 13.05 min Scan# 942

Delta R.T. -0.03 min

Lab File: BF085399.D

Acq: 12 Mar 2016 5:16

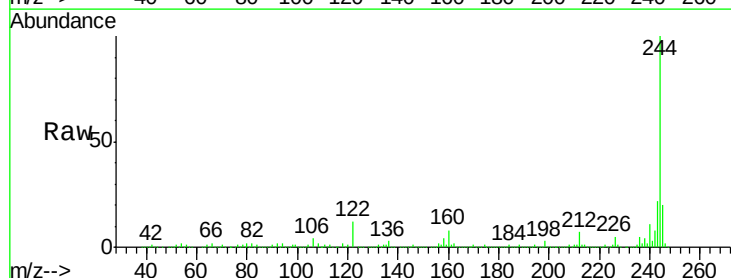
Tgt Ion: 244 Resp: 1119903

Ion Ratio Lower Upper

244 100

212 7.4 6.4 9.6

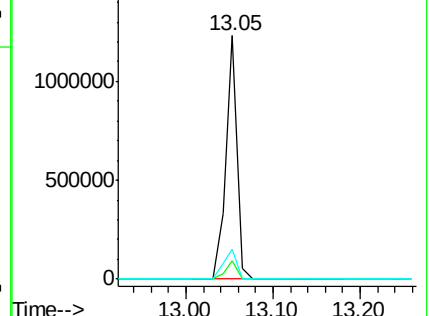
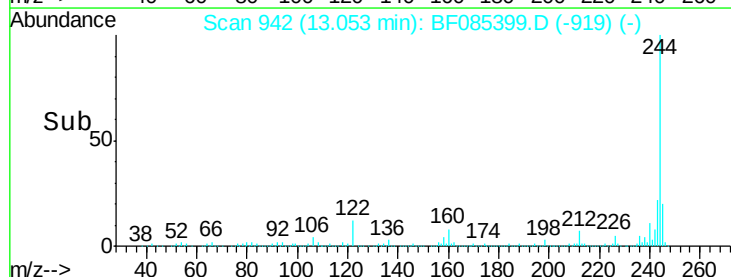
122 12.2 11.4 17.2

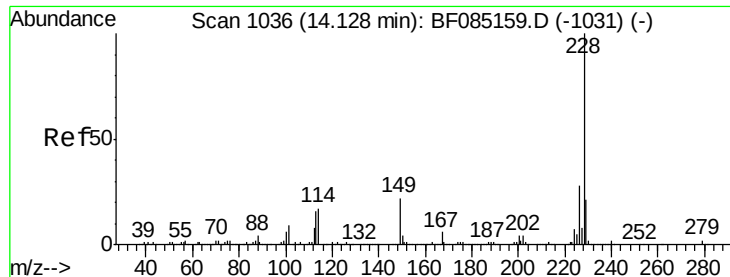


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.25 ng

RT: 14.09 min Scan# 1033

Delta R.T. -0.03 min

Lab File: BF085399.D

Acq: 12 Mar 2016 5:16

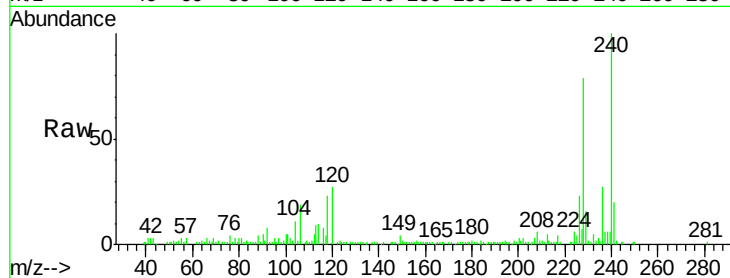
Instrument :

BNA_F

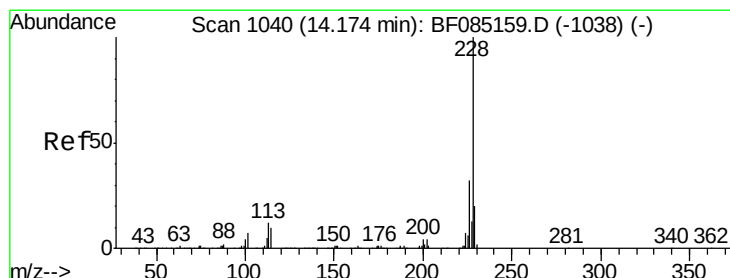
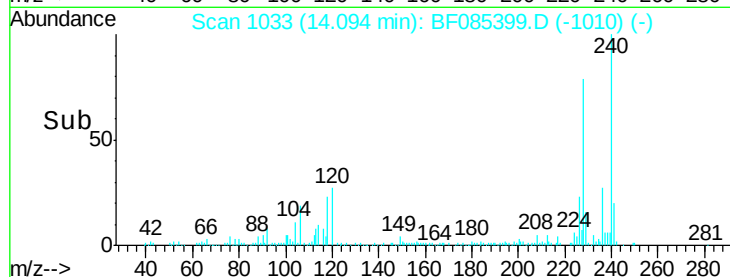
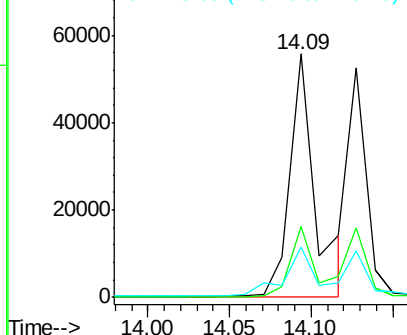
ClientSampleId :

W170TH-SB-21(0.5-3.0)

Tgt Ion:	228	Resp:	61741
Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.8	34.2
229	20.4	16.6	24.8



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: 2.37 ng

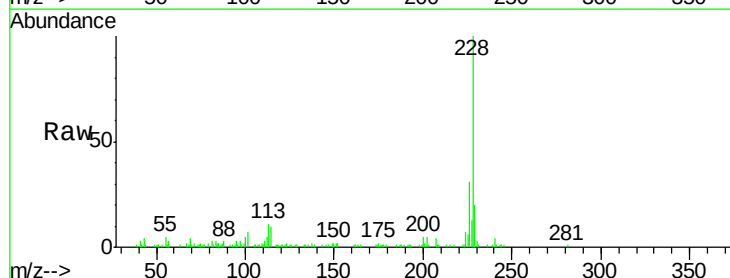
RT: 14.13 min Scan# 1036

Delta R.T. -0.05 min

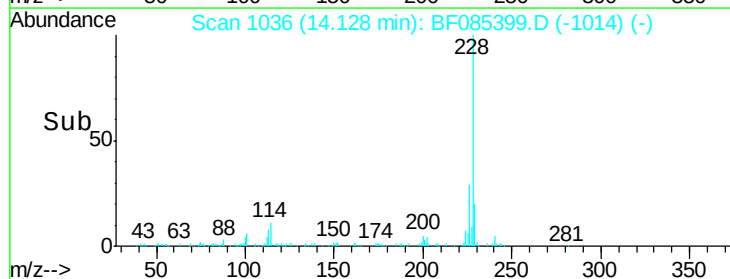
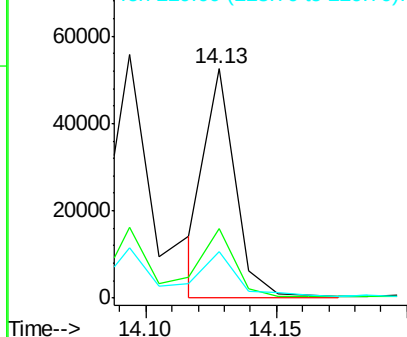
Lab File: BF085399.D

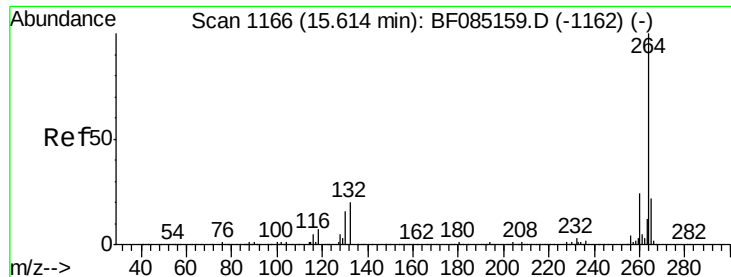
Acq: 12 Mar 2016 5:16

Tgt Ion:	228	Resp:	41466
Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.2	37.8
229	20.5	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

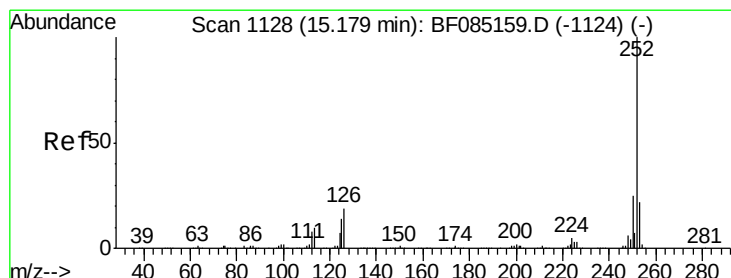
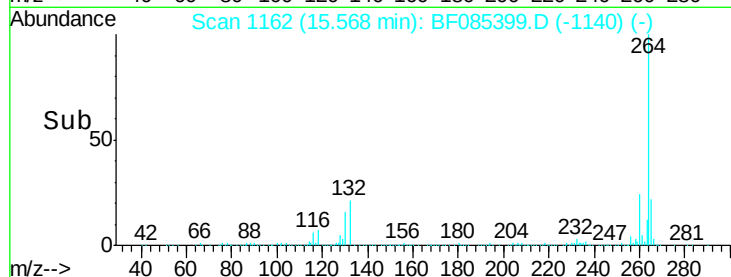
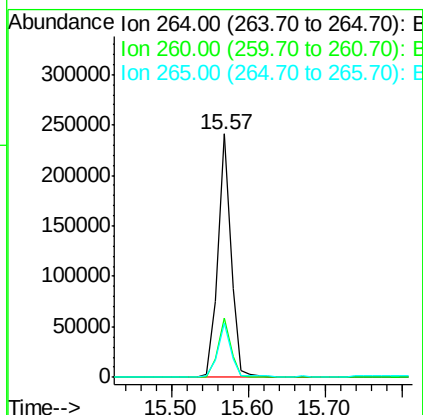
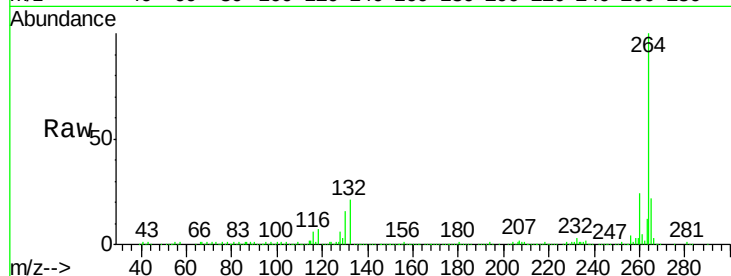




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 1162
Delta R.T. -0.05 min
Lab File: BF085399.D
Acq: 12 Mar 2016 5:16

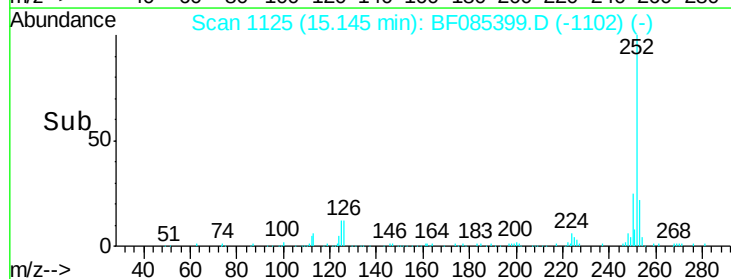
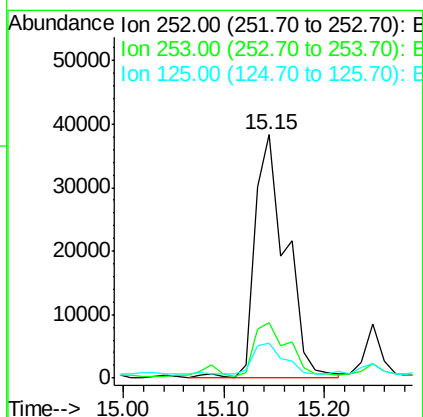
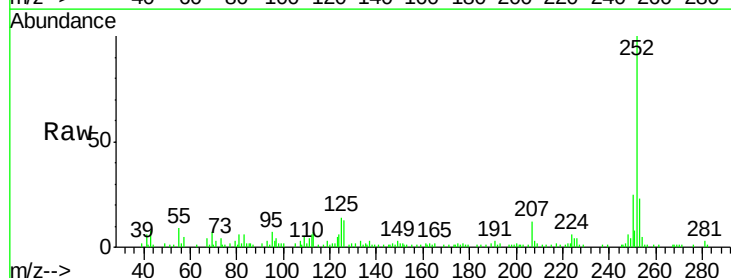
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-21(0.5-3.0)

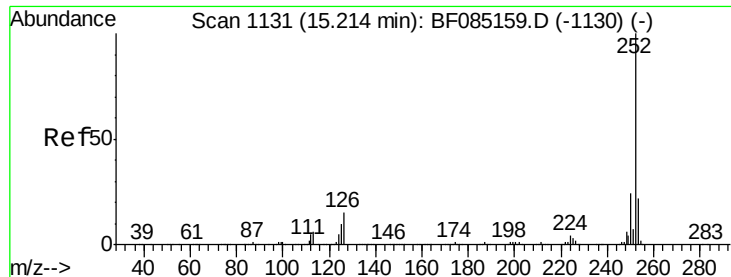
Tgt Ion:	264	Resp:	290831
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.0	17.3	25.9



#87
Benzo(b)fluoranthene
Concen: 4.24 ng
RT: 15.15 min Scan# 1125
Delta R.T. -0.03 min
Lab File: BF085399.D
Acq: 12 Mar 2016 5:16

Tgt Ion:	252	Resp:	82127
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	14.5	11.3	16.9

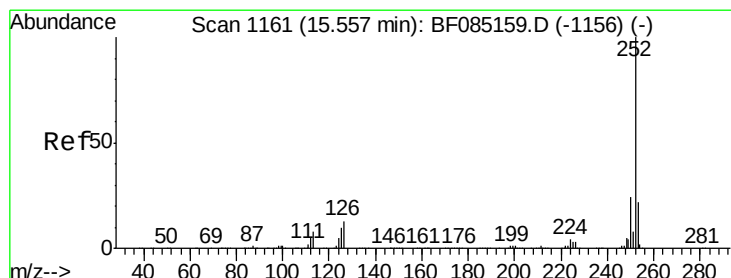
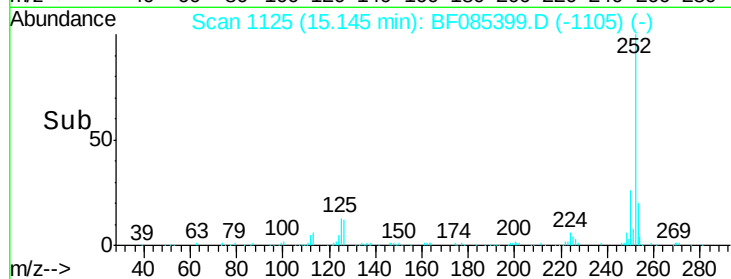
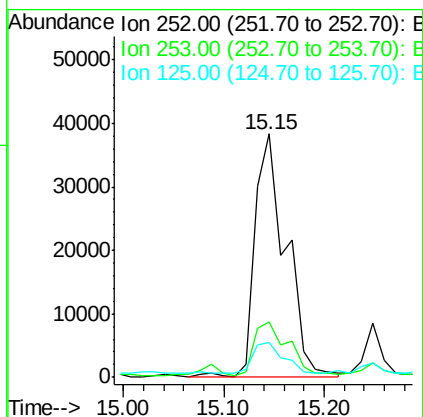
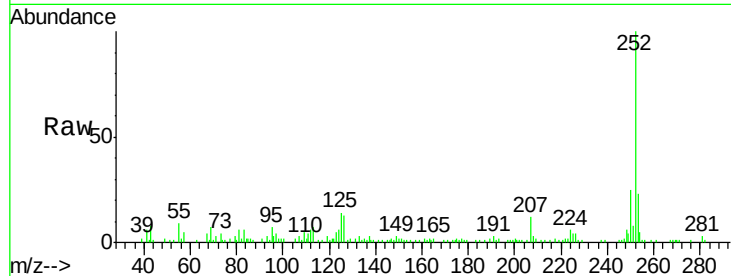




#88
Benzo(k)fluoranthene
Concen: 5.25 ng
RT: 15.15 min Scan# 1125
Delta R.T. -0.07 min
Lab File: BF085399.D
Acq: 12 Mar 2016 5:16

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-21(0.5-3.0)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	14.5	10.4	15.6



#89
Benzo(a)pyrene
Concen: 2.70 ng
RT: 15.50 min Scan# 1156
Delta R.T. -0.06 min
Lab File: BF085399.D
Acq: 12 Mar 2016 5:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.0
125	16.8	8.2	12.4

