

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031716\
 Data File : BF085523.D
 Acq On : 18 Mar 2016 7:08
 Operator : UM/SJ
 Sample : H1776-06
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-11(0.5-1.0)

Quant Time: Mar 18 06:48:05 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 15 18:57:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	127708	20.00	ng	-0.05
21) Naphthalene-d8	8.16	136	533102	20.00	ng	-0.05
38) Acenaphthene-d10	9.91	164	217322	20.00	ng	-0.05
63) Phenanthrene-d10	11.40	188	367108	20.00	ng	-0.05
75) Chrysene-d12	14.04	240	271935	20.00	ng	-0.05
86) Perylene-d12	15.47	264	252023	20.00	ng	-0.07

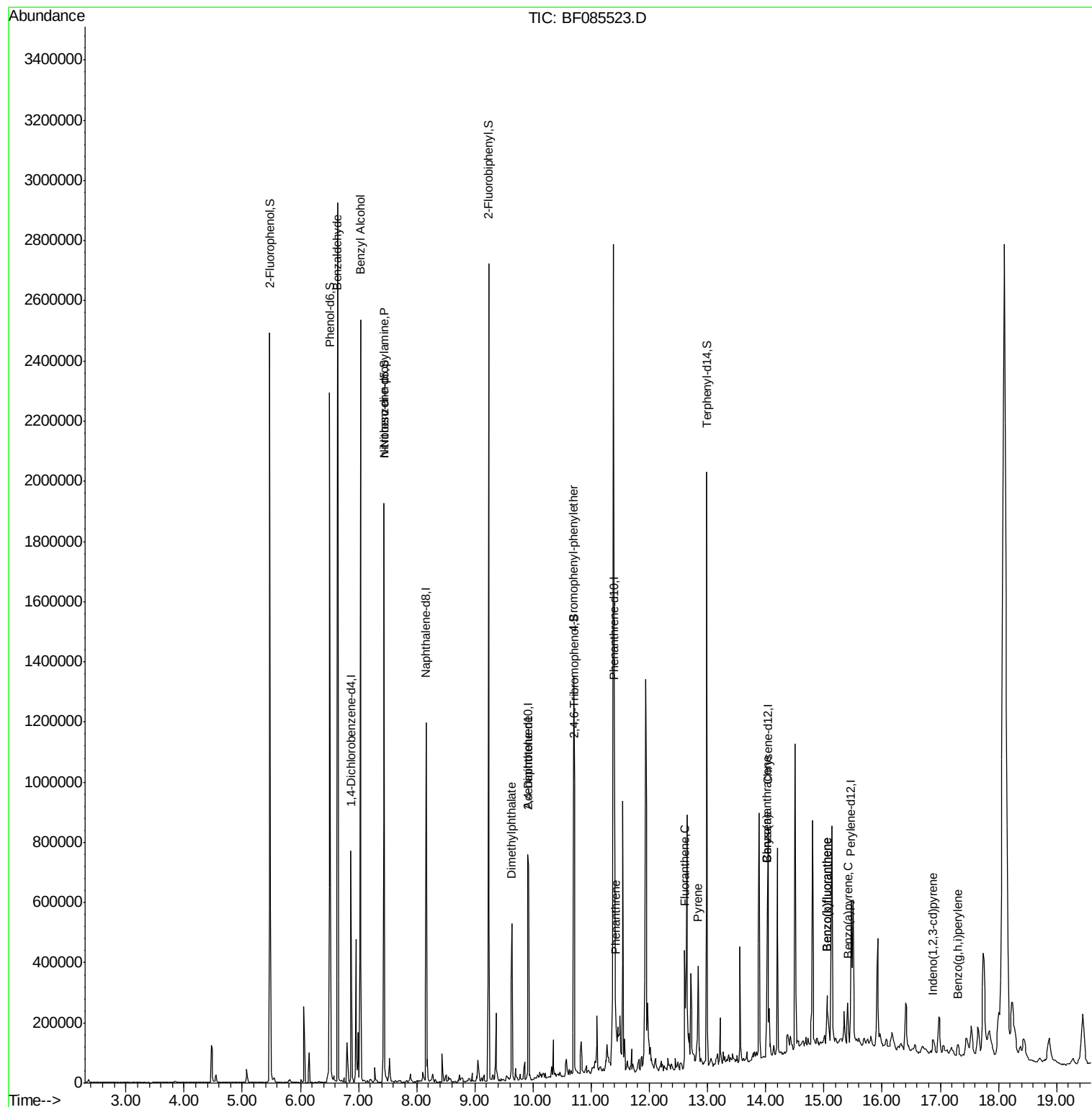
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	780269	105.02	ng	-0.03
7) Phenol-d6	6.50	99	979925	101.68	ng	-0.05
23) Nitrobenzene-d5	7.44	82	712875	79.06	ng	-0.05
41) 2,4,6-Tribromophenol	10.71	330	223168	111.49	ng	-0.05
44) 2-Fluorobiphenyl	9.24	172	834585	66.62	ng	-0.05
78) Terphenyl-d14	12.99	244	601560	50.04	ng	-0.05

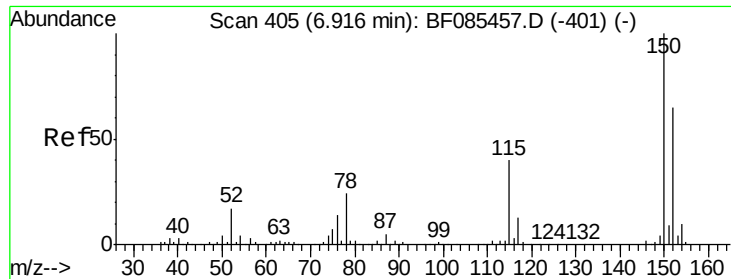
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.64	77	17888	3.32	ng	85
15) Benzyl Alcohol	7.03	79	15060	2.19	ng	# 70
19) n-Nitroso-di-n-propylamine	7.44	70	95344	16.52	ng	# 75
49) Dimethylphthalate	9.64	163	273643	17.26	ng	98
56) 2,4-Dinitrotoluene	9.91	165	27047	6.16	ng	# 22
66) 4-Bromophenyl-phenylether	10.70	248	14612	3.93	ng	# 1
70) Phenanthrene	11.42	178	58681	3.07	ng	98
74) Fluoranthene	12.61	202	133627	7.43	ng	99
77) Pyrene	12.84	202	127911	6.27	ng	98
80) Benzo(a)anthracene	14.03	228	78203	5.02	ng	97
82) Chrysene	14.03	228	78203	5.58	ng	99
85) Indeno(1,2,3-cd)pyrene	16.87	276	30654	2.31	ng	# 86
87) Benzo(b)fluoranthene	15.05	252	106722	6.48	ng	97
88) Benzo(k)fluoranthene	15.05	252	106722	8.28	ng	96
89) Benzo(a)pyrene	15.41	252	56659	3.98	ng	# 94
91) Benzo(g,h,i)perylene	17.31	276	33243	2.34	ng	97

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

Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.87 min Scan# 401

Delta R.T. -0.05 min

Lab File: BF085523.D

Acq: 18 Mar 2016 7:08

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-11(0.5-1.0)

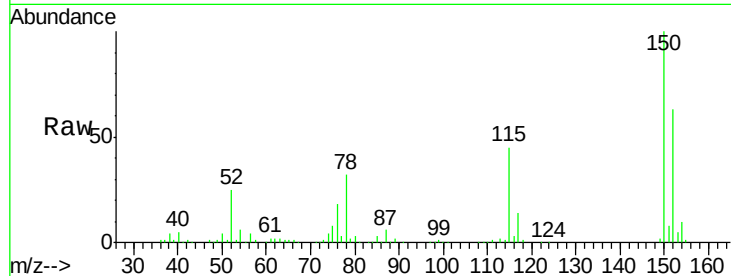
Tgt Ion:152 Resp: 127708

Ion Ratio Lower Upper

152 100

150 158.5 124.6 186.8

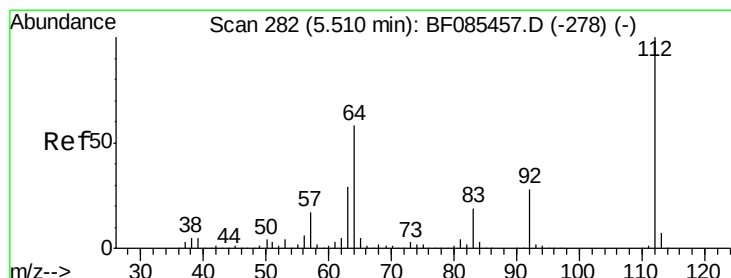
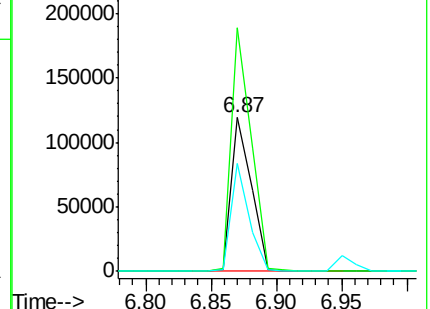
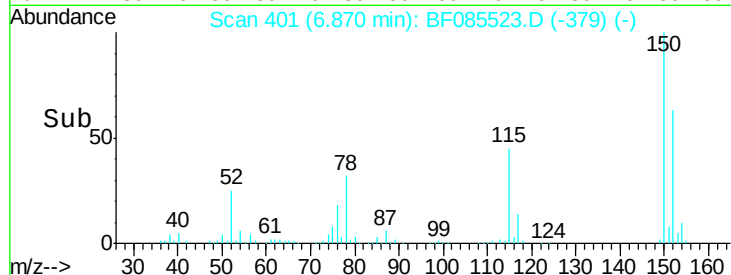
115 70.5 46.6 70.0#



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: 105.02 ng

RT: 5.48 min Scan# 279

Delta R.T. -0.03 min

Lab File: BF085523.D

Acq: 18 Mar 2016 7:08

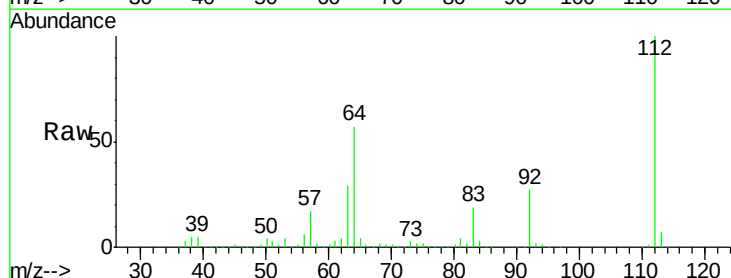
Tgt Ion:112 Resp: 780269

Ion Ratio Lower Upper

112 100

64 57.4 49.0 73.4

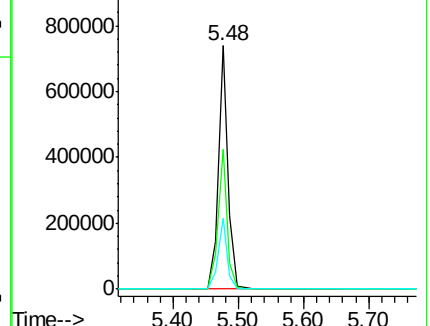
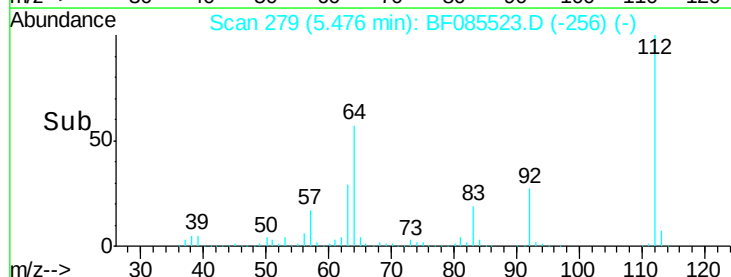
63 28.9 24.8 37.2

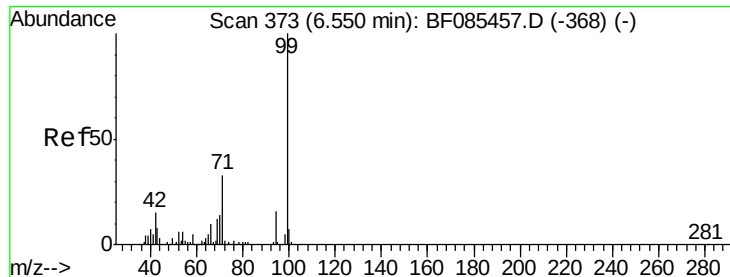


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 101.68 ng

RT: 6.50 min Scan# 369

Delta R.T. -0.05 min

Lab File: BF085523.D

Acq: 18 Mar 2016 7:08

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-11(0.5-1.0)

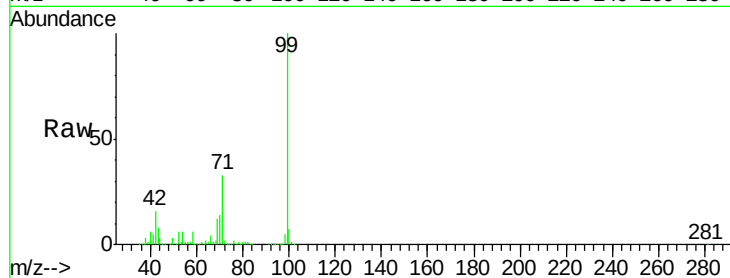
Tgt Ion: 99 Resp: 979925

Ion Ratio Lower Upper

99 100

42 15.6 13.6 20.4

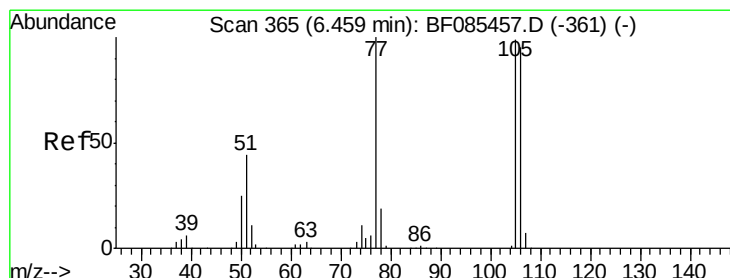
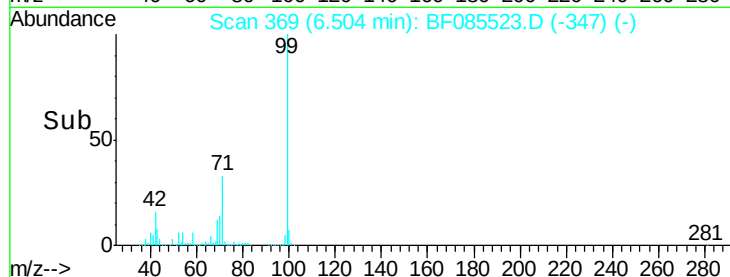
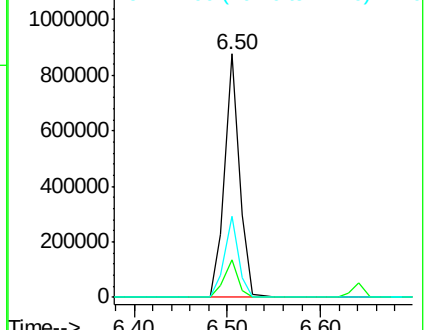
71 33.1 26.7 40.1



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: 3.32 ng

RT: 6.64 min Scan# 381

Delta R.T. 0.18 min

Lab File: BF085523.D

Acq: 18 Mar 2016 7:08

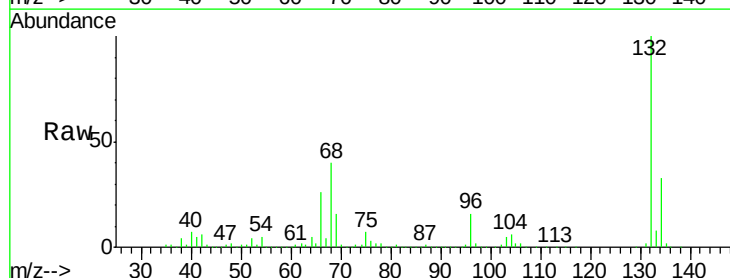
Tgt Ion: 77 Resp: 17888

Ion Ratio Lower Upper

77 100

105 85.6 78.2 118.2

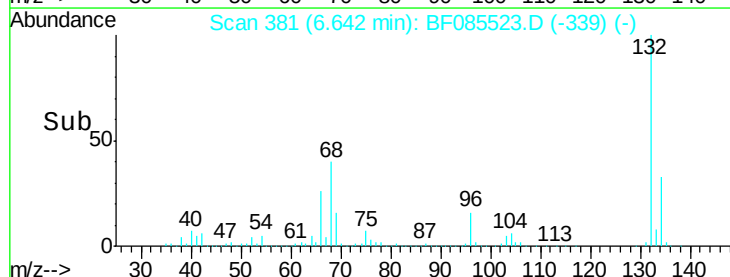
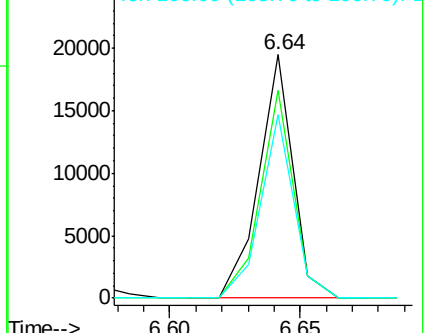
106 75.4 72.9 112.9

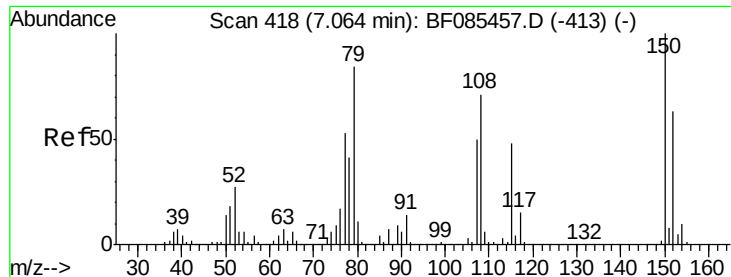


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.19 ng

RT: 7.03 min Scan# 415

Delta R.T. -0.03 min

Lab File: BF085523.D

Acq: 18 Mar 2016 7:08

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-11(0.5-1.0)

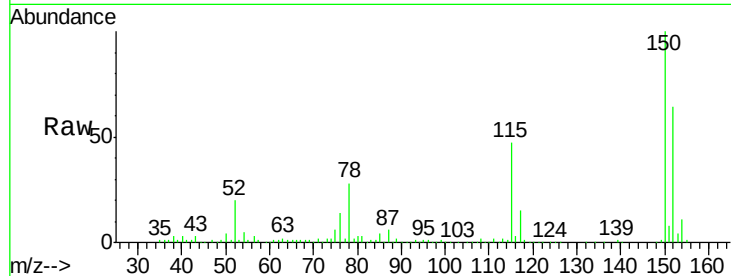
Tgt Ion: 79 Resp: 15060

Ion Ratio Lower Upper

79 100

108 90.7 62.9 94.3

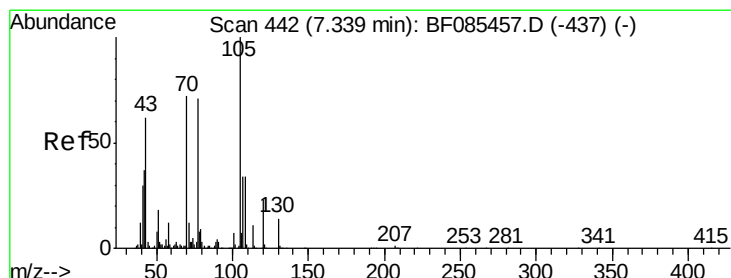
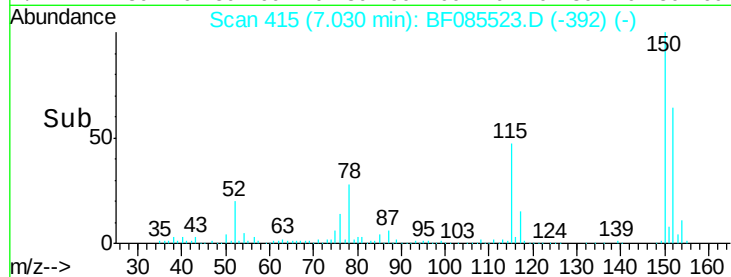
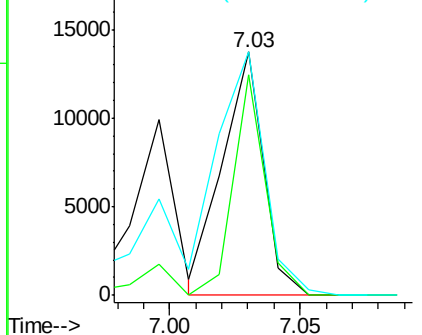
77 100.1 49.5 74.3#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 16.52 ng

RT: 7.44 min Scan# 451

Delta R.T. 0.10 min

Lab File: BF085523.D

Acq: 18 Mar 2016 7:08

Tgt Ion: 70 Resp: 95344

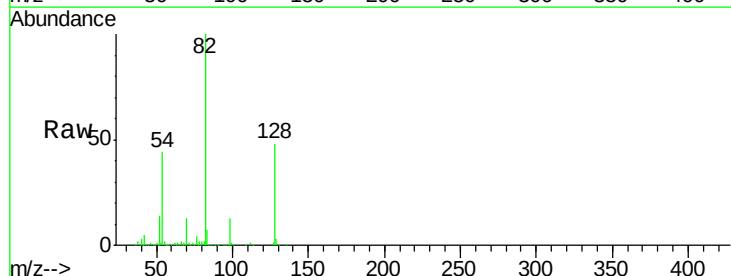
Ion Ratio Lower Upper

70 100

42 38.8 37.7 56.5

101 0.0 8.2 12.4#

130 2.4 20.5 30.7#

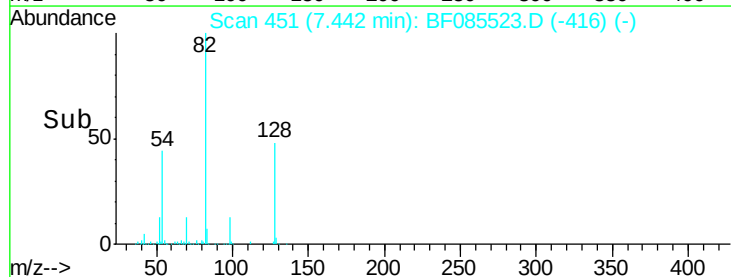
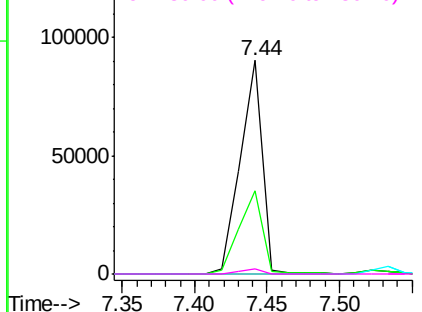


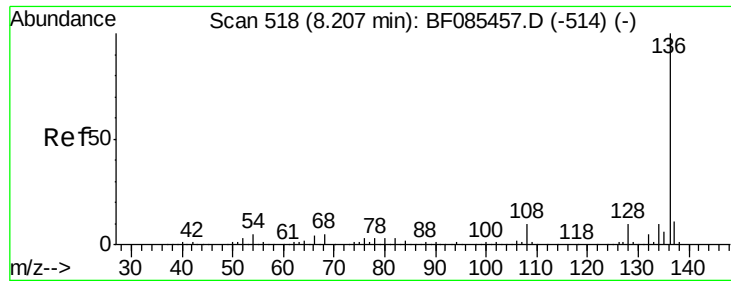
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

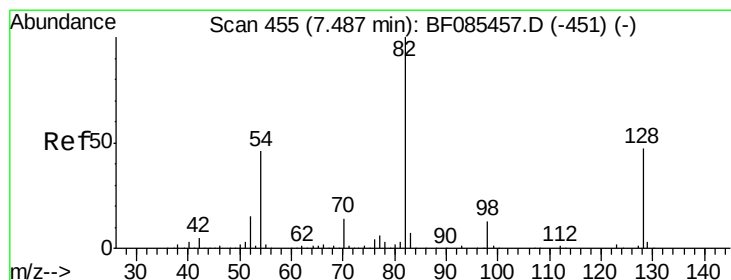
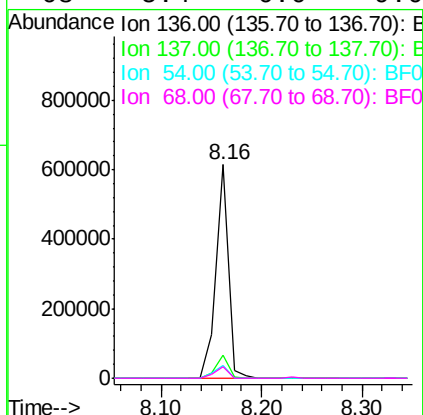
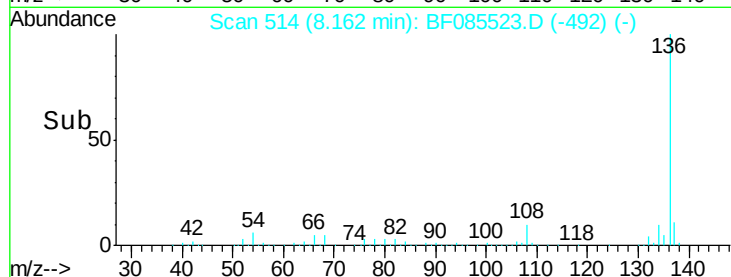
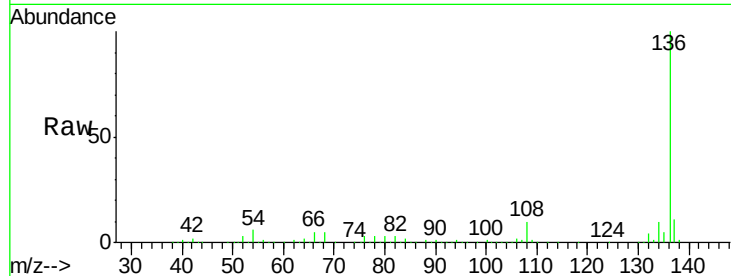




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 514
Delta R.T. -0.05 min
Lab File: BF085523.D
Acq: 18 Mar 2016 7:08

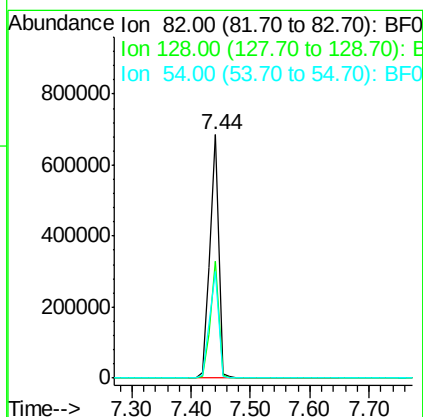
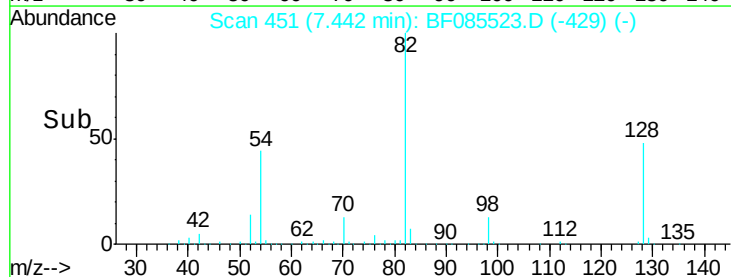
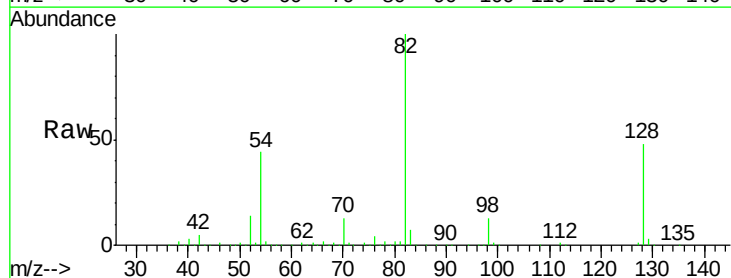
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-11(0.5-1.0)

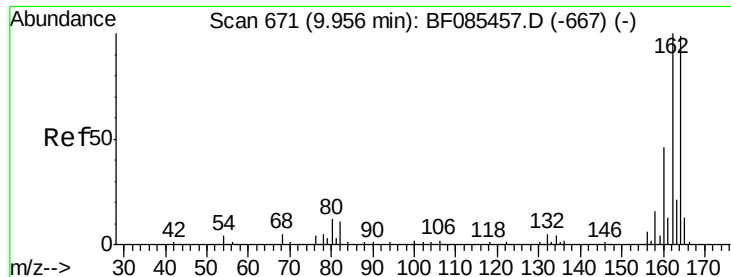
Tgt Ion:	136	Resp:	533102
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.3	13.9
54	6.2	7.4	11.2#
68	5.4	6.0	9.0#



#23
Nitrobenzene-d5
Concen: 79.06 ng
RT: 7.44 min Scan# 451
Delta R.T. -0.05 min
Lab File: BF085523.D
Acq: 18 Mar 2016 7:08

Tgt Ion:	82	Resp:	712875
Ion	Ratio	Lower	Upper
82	100		
128	48.1	34.5	51.7
54	43.9	39.3	58.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.91 min Scan# 667

Delta R.T. -0.05 min

Lab File: BF085523.D

Acq: 18 Mar 2016 7:08

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-11(0.5-1.0)

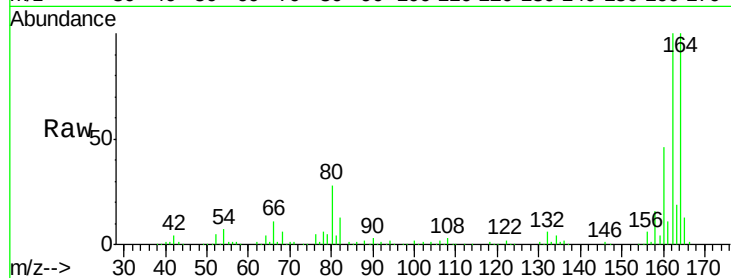
Tgt Ion:164 Resp: 217322

Ion Ratio Lower Upper

164 100

162 100.5 83.3 124.9

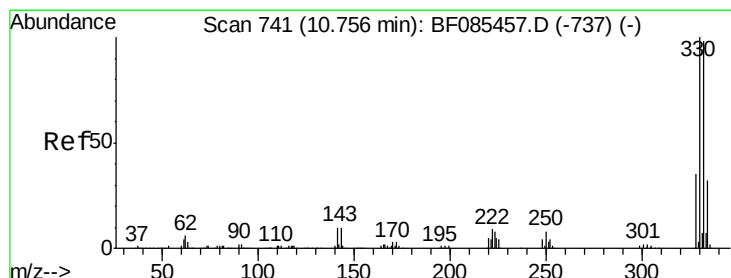
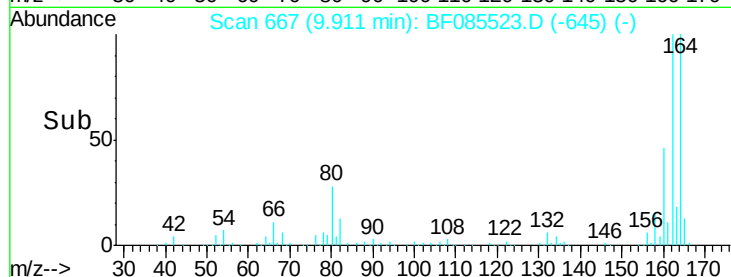
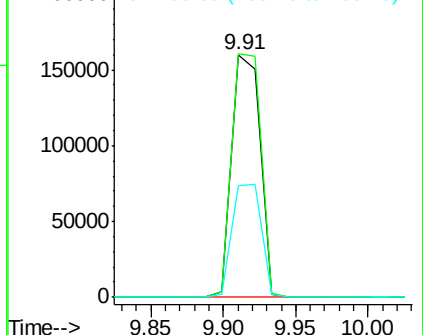
160 46.3 37.9 56.9



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: 111.49 ng

RT: 10.71 min Scan# 737

Delta R.T. -0.05 min

Lab File: BF085523.D

Acq: 18 Mar 2016 7:08

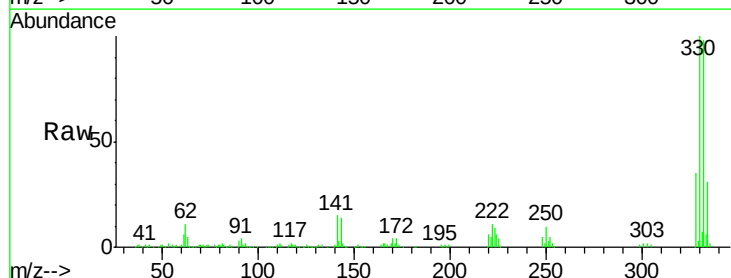
Tgt Ion:330 Resp: 223168

Ion Ratio Lower Upper

330 100

332 97.7 77.1 115.7

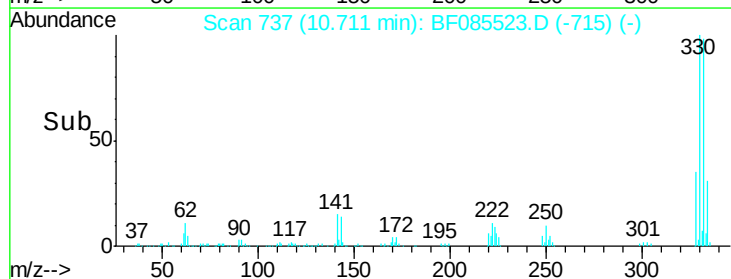
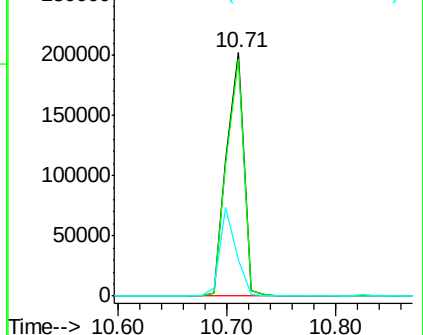
141 35.0 35.0 52.6#

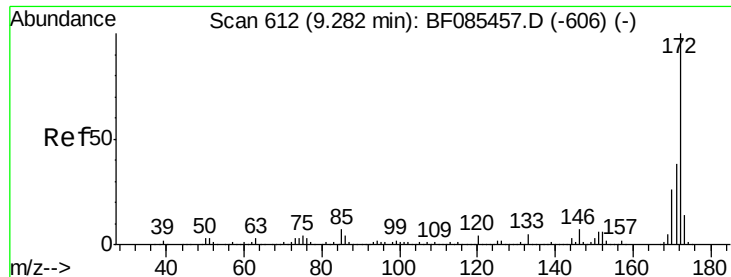


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

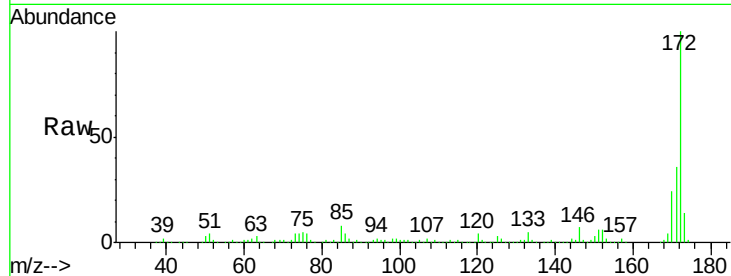




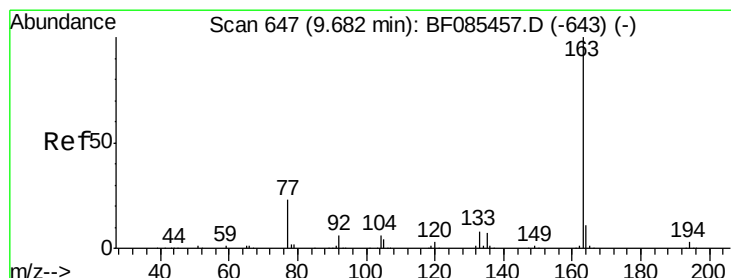
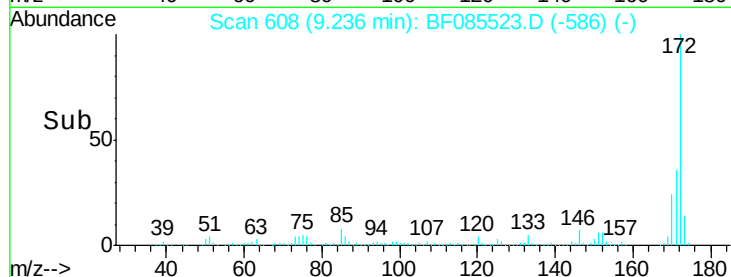
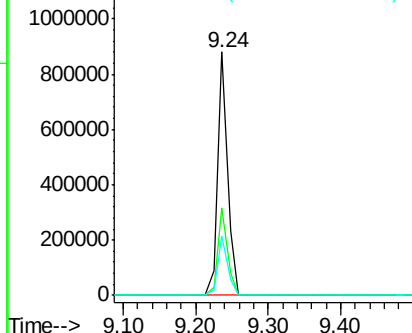
#44
 2-Fluorobiphenyl
 Concen: 66.62 ng
 RT: 9.24 min Scan# 608
 Delta R.T. -0.05 min
 Lab File: BF085523.D
 Acq: 18 Mar 2016 7:08

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-11(0.5-1.0)

Tgt Ion:172 Resp: 834585
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.3 43.9
 170 24.2 20.0 30.0

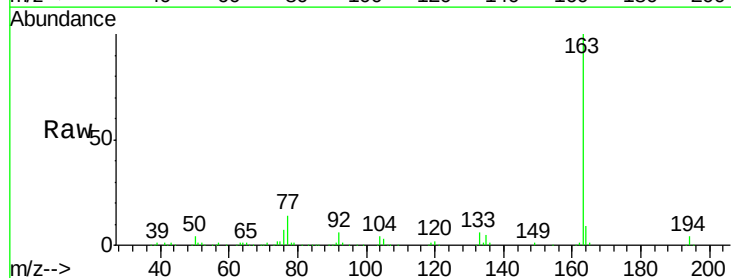


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

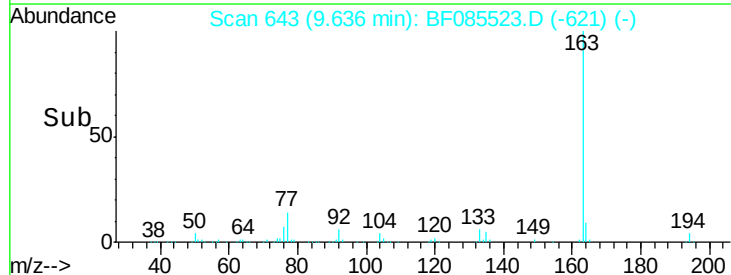
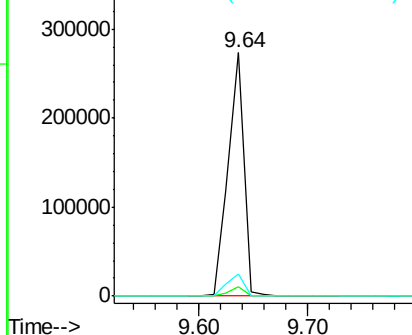


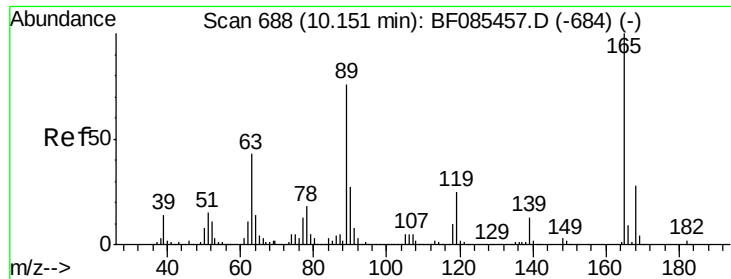
#49
 Dimethylphthalate
 Concen: 17.26 ng
 RT: 9.64 min Scan# 643
 Delta R.T. -0.05 min
 Lab File: BF085523.D
 Acq: 18 Mar 2016 7:08

Tgt Ion:163 Resp: 273643
 Ion Ratio Lower Upper
 163 100
 194 3.7 3.1 4.7
 164 9.4 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

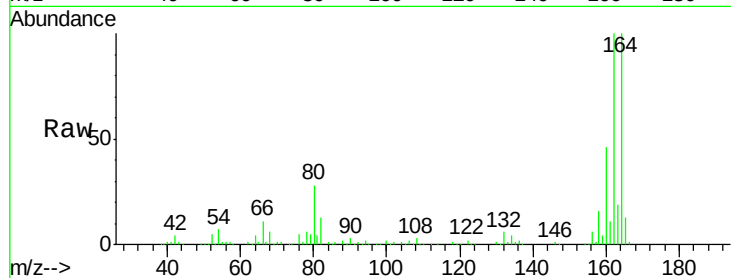




#56
2,4-Dinitrotoluene
Concen: 6.16 ng
RT: 9.91 min Scan# 667
Delta R.T. -0.24 min
Lab File: BF085523.D
Acq: 18 Mar 2016 7:08

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-11(0.5-1.0)

Tgt Ion:	165	Resp:	27047
Ion Ratio	Lower	Upper	
165	100		
63	1.5	35.4	53.0#
89	1.5	61.9	92.9#
182	0.0	1.9	2.9#

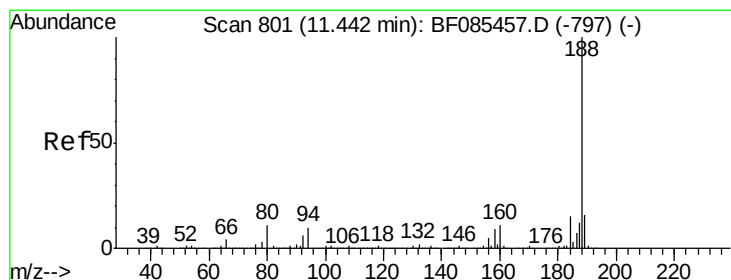
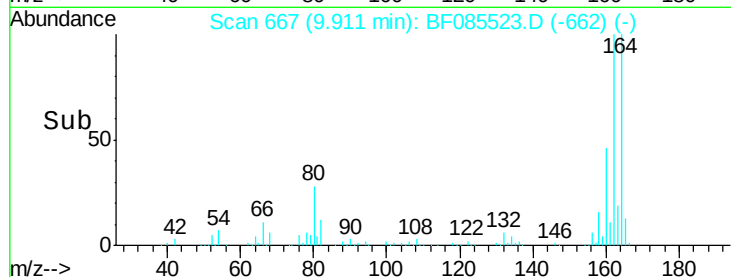
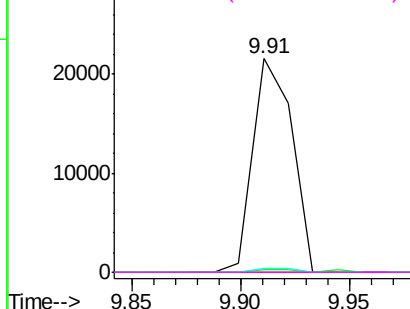


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

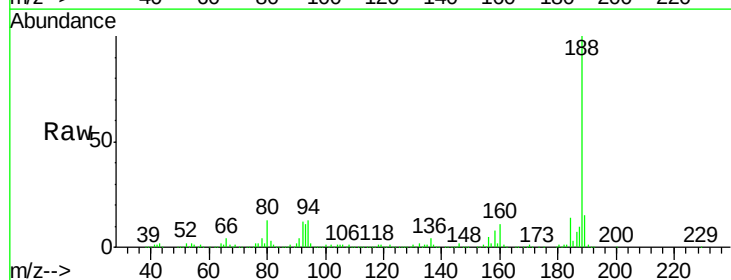
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 797
Delta R.T. -0.05 min
Lab File: BF085523.D
Acq: 18 Mar 2016 7:08

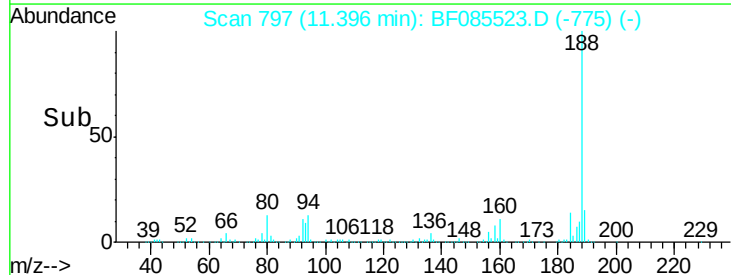
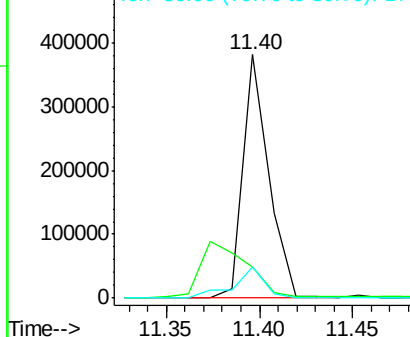
Tgt Ion:	188	Resp:	367108
Ion Ratio	Lower	Upper	
188	100		
94	12.8	7.0	10.6#
80	12.8	7.4	11.0#

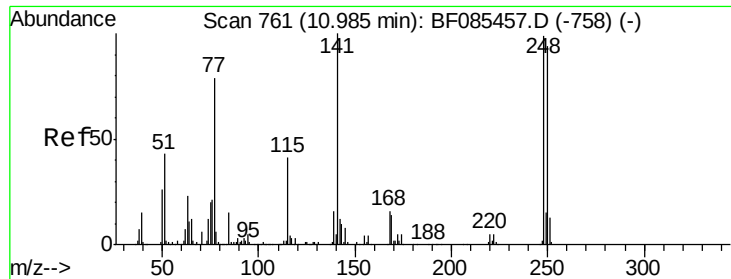


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

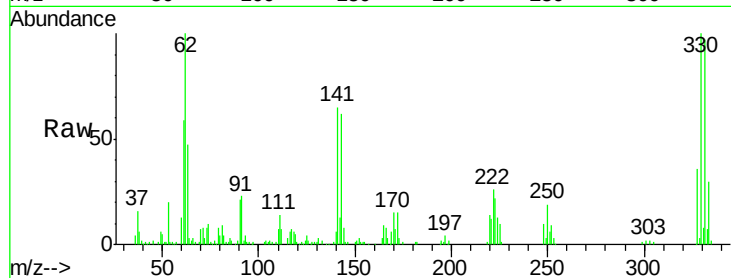




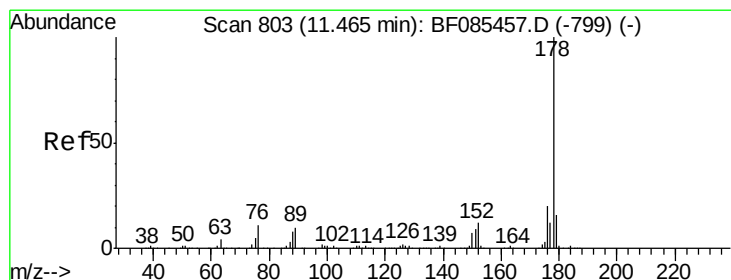
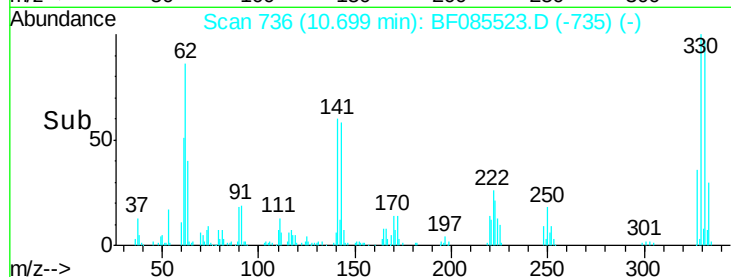
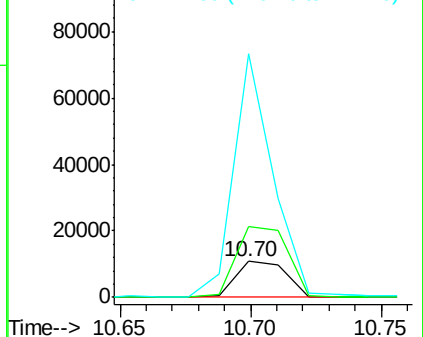
#66
4-Bromophenyl-phenylether
Concen: 3.93 ng
RT: 10.70 min Scan# 736
Delta R.T. -0.29 min
Lab File: BF085523.D
Acq: 18 Mar 2016 7:08

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-11(0.5-1.0)

Tgt Ion:248 Resp: 14612
Ion Ratio Lower Upper
248 100
250 194.4 77.1 115.7#
141 673.0 66.2 99.2#

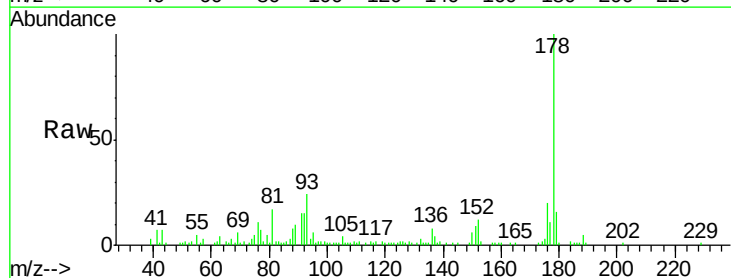


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

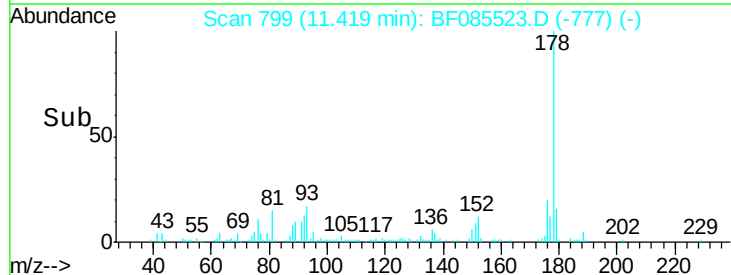
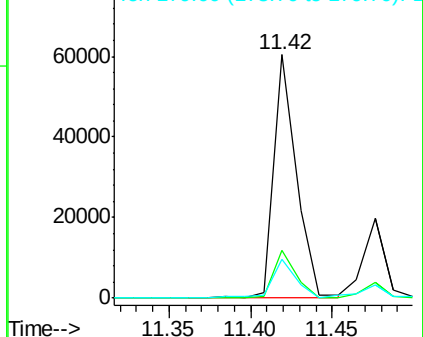


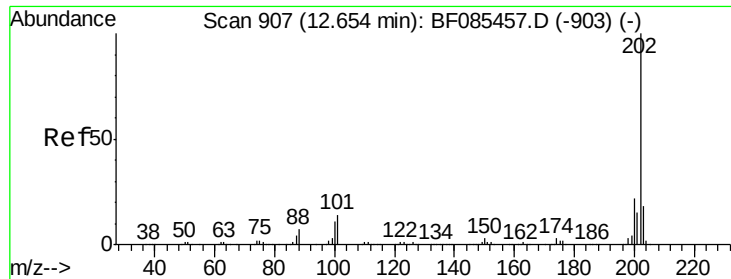
#70
Phenanthrene
Concen: 3.07 ng
RT: 11.42 min Scan# 799
Delta R.T. -0.05 min
Lab File: BF085523.D
Acq: 18 Mar 2016 7:08

Tgt Ion:178 Resp: 58681
Ion Ratio Lower Upper
178 100
176 19.8 16.8 25.2
179 15.7 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: 7.43 ng

RT: 12.61 min Scan# 903

Delta R.T. -0.05 min

Lab File: BF085523.D

Acq: 18 Mar 2016 7:08

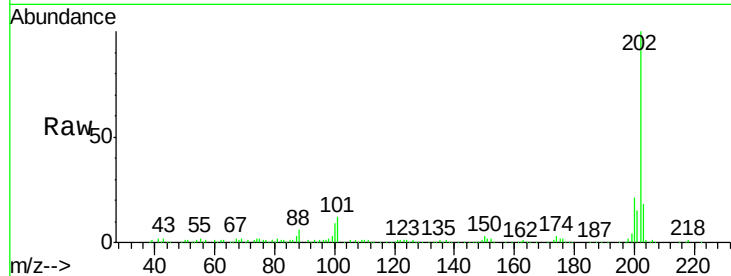
Instrument :

BNA_F

ClientSampleId :

W170TH-SB-11(0.5-1.0)

Tgt Ion:	202	Resp:	133627
Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	31.8
203	17.9	0.0	38.4

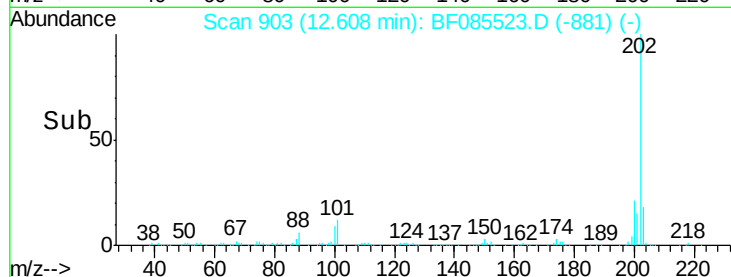


Abundance Ion 202.00 (201.70 to 202.70): E

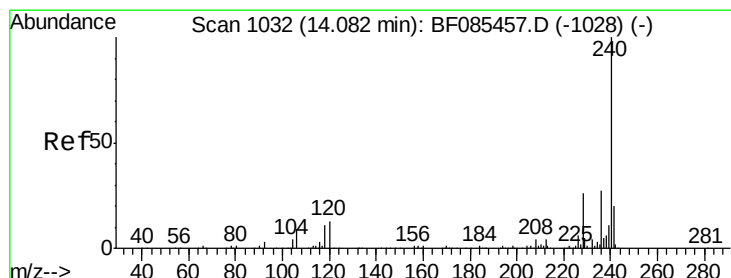
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

12.61



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

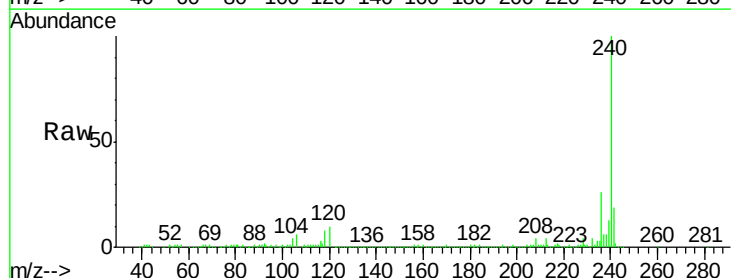
RT: 14.04 min Scan# 1028

Delta R.T. -0.05 min

Lab File: BF085523.D

Acq: 18 Mar 2016 7:08

Tgt Ion:	240	Resp:	271935
Ion	Ratio	Lower	Upper
240	100		
120	9.7	5.3	7.9#
236	26.1	20.7	31.1

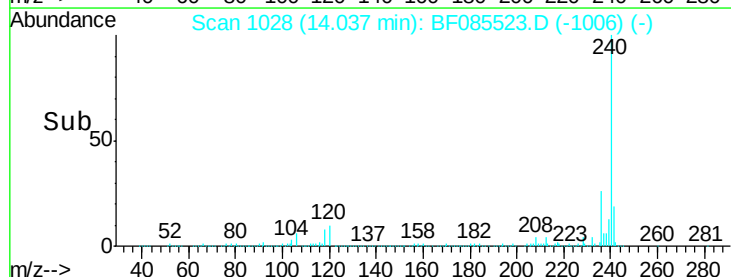


Abundance Ion 240.00 (239.70 to 240.70): E

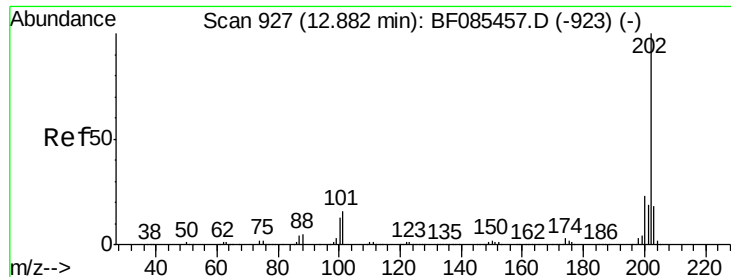
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

14.04



Time-->



#77

Pyrene

Concen: 6.27 ng

RT: 12.84 min Scan# 923

Delta R.T. -0.05 min

Lab File: BF085523.D

Acq: 18 Mar 2016 7:08

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-11(0.5-1.0)

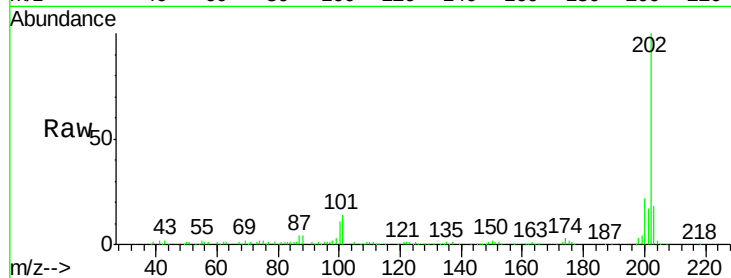
Tgt Ion: 202 Resp: 127911

Ion Ratio Lower Upper

202 100

200 21.9 18.2 27.4

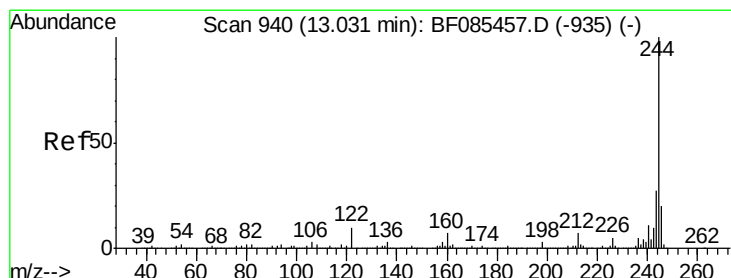
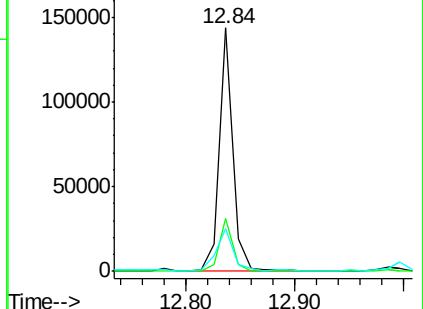
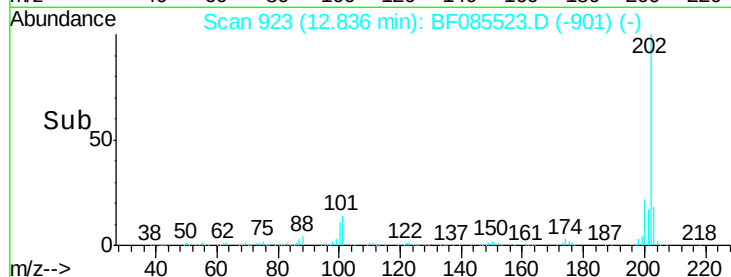
203 17.6 14.7 22.1



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: 50.04 ng

RT: 12.99 min Scan# 936

Delta R.T. -0.05 min

Lab File: BF085523.D

Acq: 18 Mar 2016 7:08

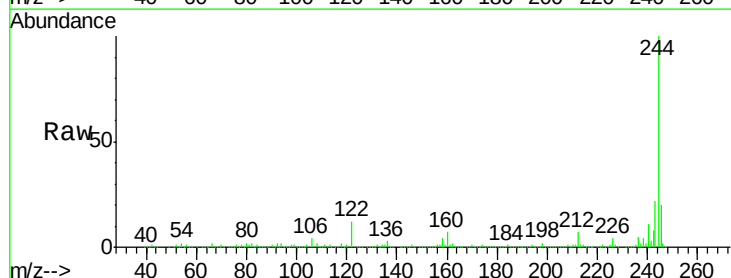
Tgt Ion: 244 Resp: 601560

Ion Ratio Lower Upper

244 100

212 7.3 6.4 9.6

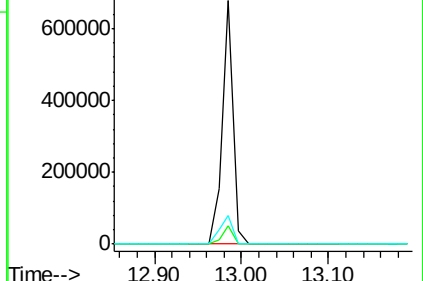
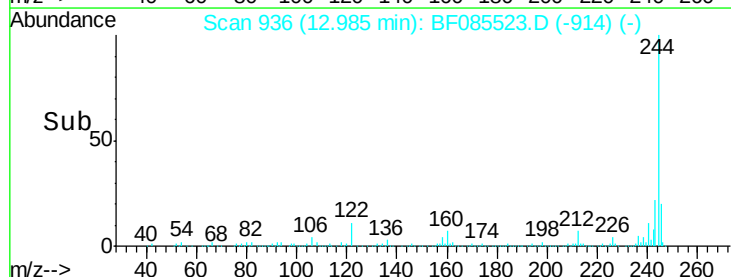
122 11.6 11.4 17.2

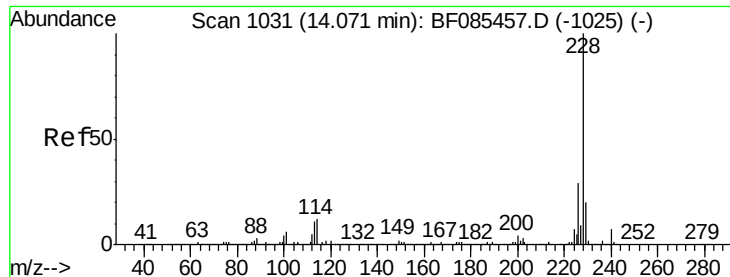


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 5.02 ng

RT: 14.03 min Scan# 1027

Delta R.T. -0.05 min

Lab File: BF085523.D

Acq: 18 Mar 2016 7:08

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-11(0.5-1.0)

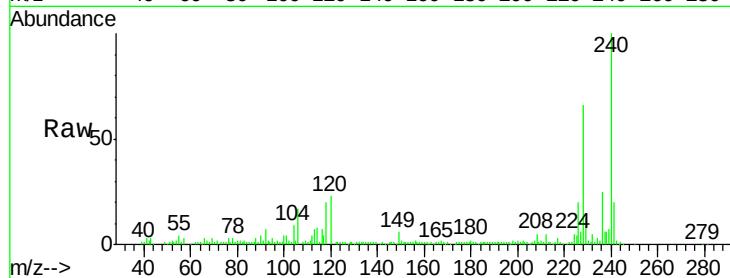
Tgt Ion:228 Resp: 78203

Ion Ratio Lower Upper

228 100

226 31.2 22.8 34.2

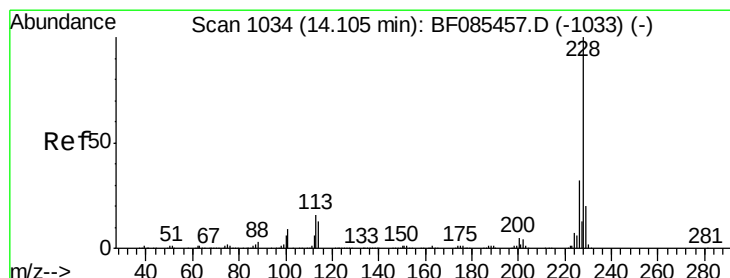
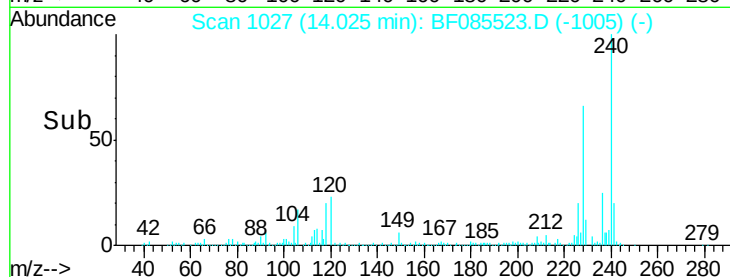
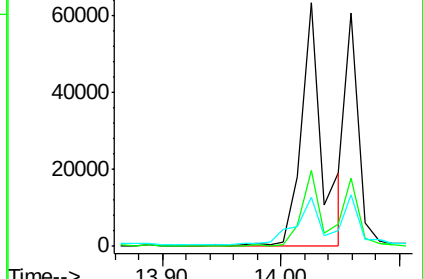
229 20.3 16.6 24.8



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: 5.58 ng

RT: 14.03 min Scan# 1027

Delta R.T. -0.08 min

Lab File: BF085523.D

Acq: 18 Mar 2016 7:08

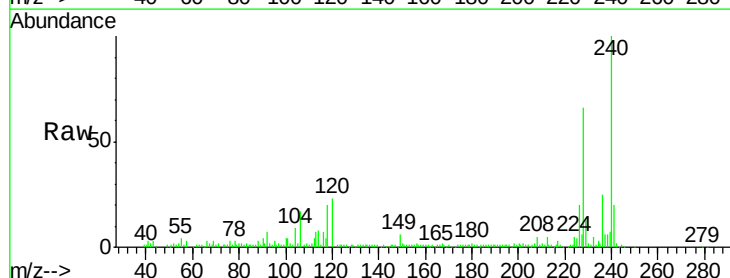
Tgt Ion:228 Resp: 78203

Ion Ratio Lower Upper

228 100

226 31.2 25.2 37.8

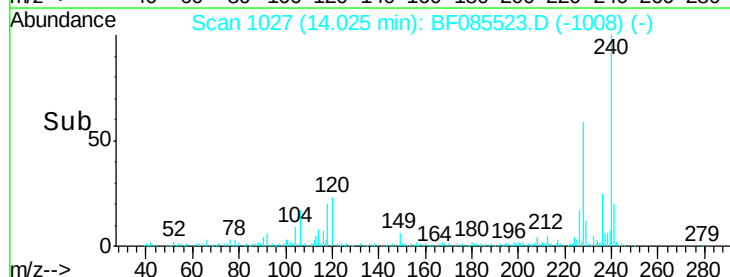
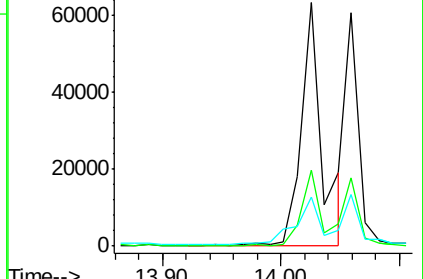
229 20.3 16.0 24.0

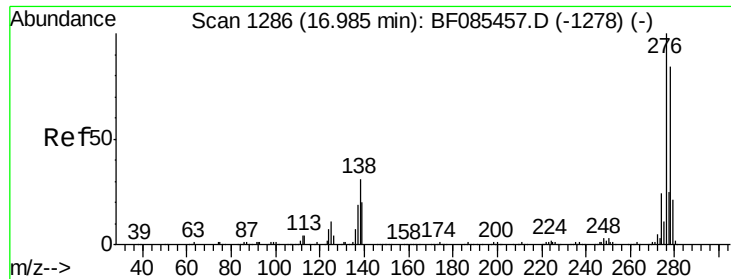


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

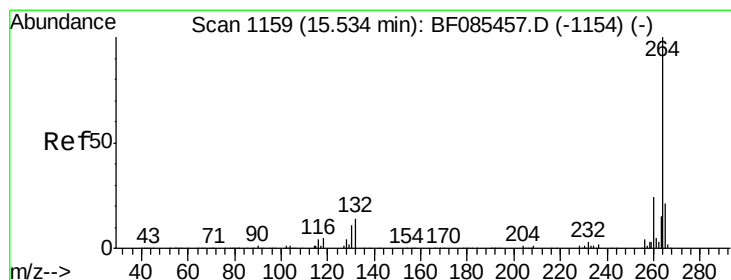
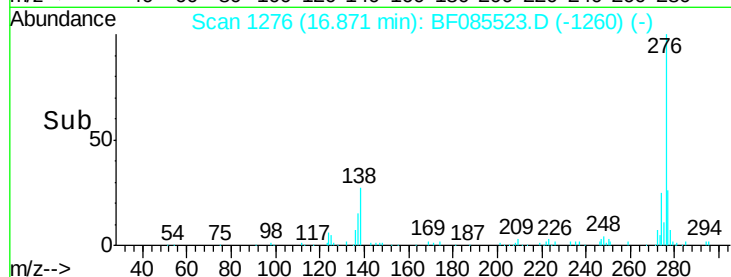
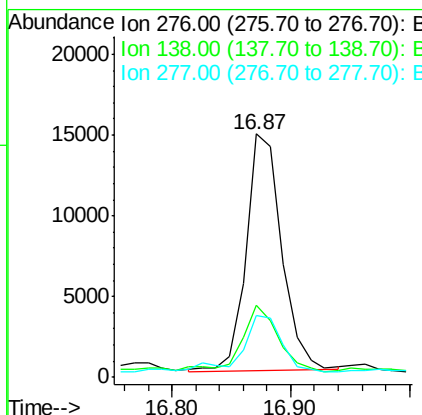
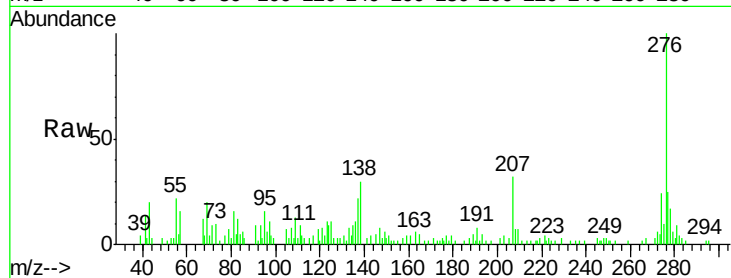




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.31 ng
 RT: 16.87 min Scan# 1276
 Delta R.T. -0.11 min
 Lab File: BF085523.D
 Acq: 18 Mar 2016 7:08

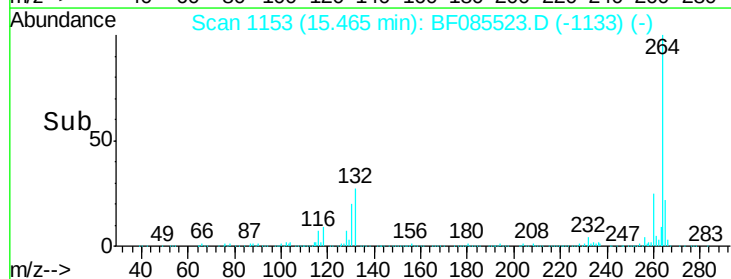
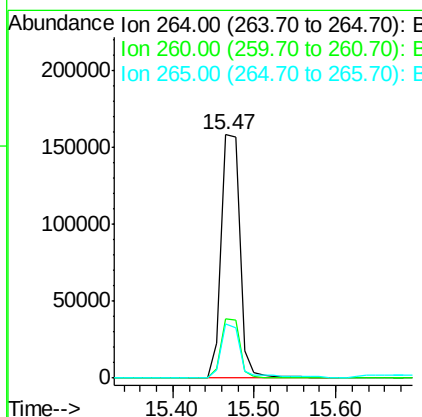
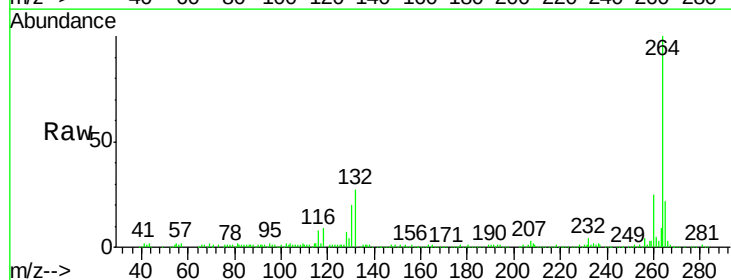
Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-11(0.5-1.0)

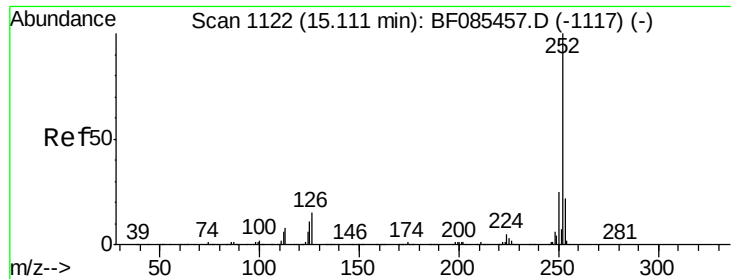
Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.6	26.4	39.6
277	38.8	20.2	30.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.47 min Scan# 1153
 Delta R.T. -0.07 min
 Lab File: BF085523.D
 Acq: 18 Mar 2016 7:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	22.4	17.3	25.9

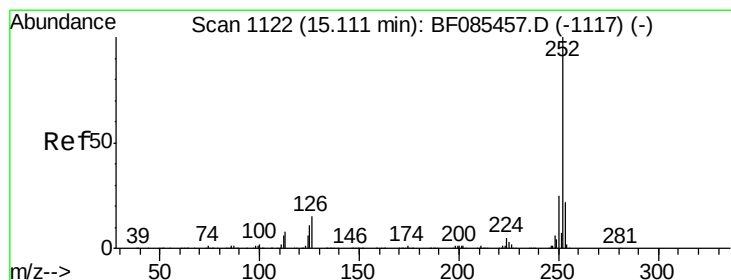
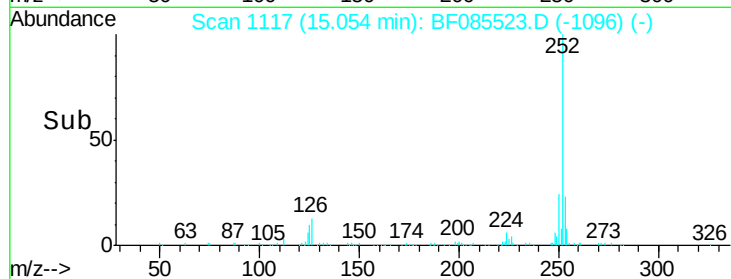
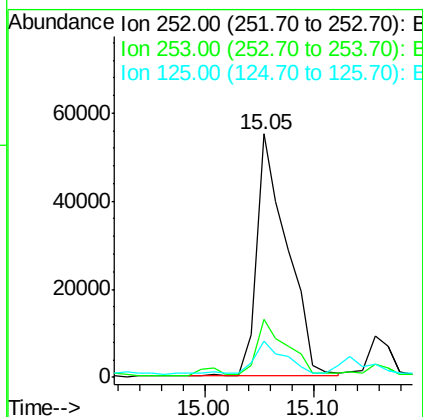
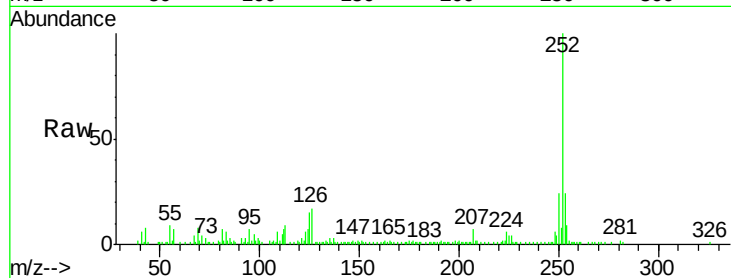




#87
Benzo(b)fluoranthene
Concen: 6.48 ng
RT: 15.05 min Scan# 1117
Delta R.T. -0.06 min
Lab File: BF085523.D
Acq: 18 Mar 2016 7:08

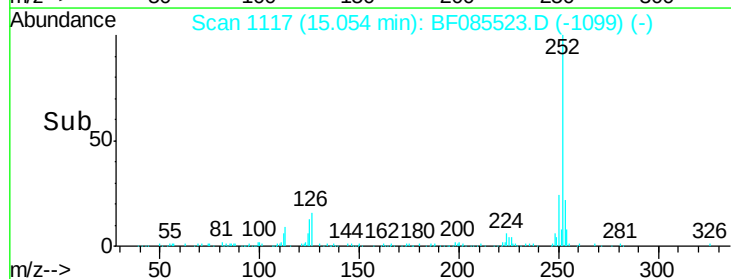
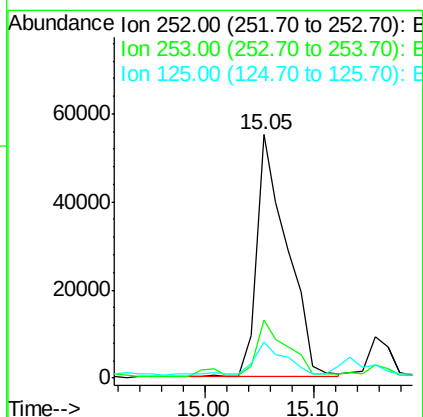
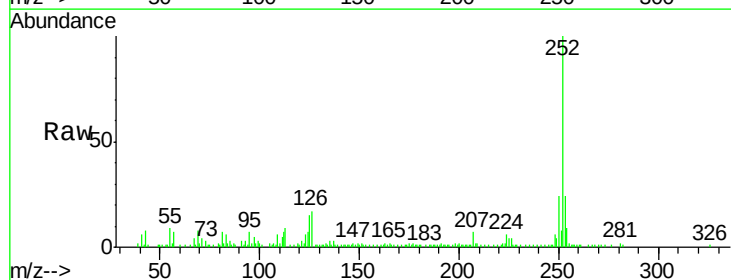
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-11(0.5-1.0)

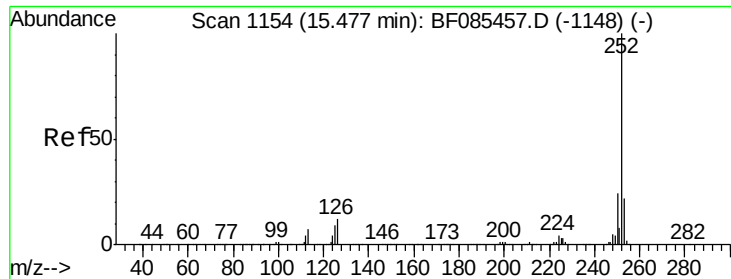
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.6
125	14.6	11.3	16.9



#88
Benzo(k)fluoranthene
Concen: 8.28 ng
RT: 15.05 min Scan# 1117
Delta R.T. -0.09 min
Lab File: BF085523.D
Acq: 18 Mar 2016 7:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.6
125	14.6	10.4	15.6





#89

Benzo(a)pyrene

Concen: 3.98 ng

RT: 15.41 min Scan# 1148

Delta R.T. -0.07 min

Lab File: BF085523.D

Acq: 18 Mar 2016 7:08

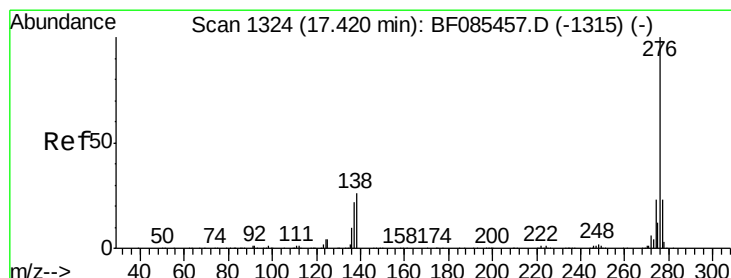
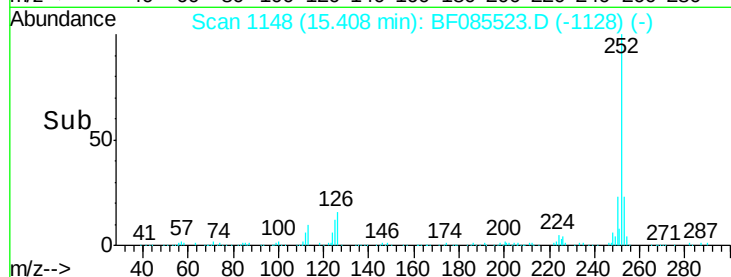
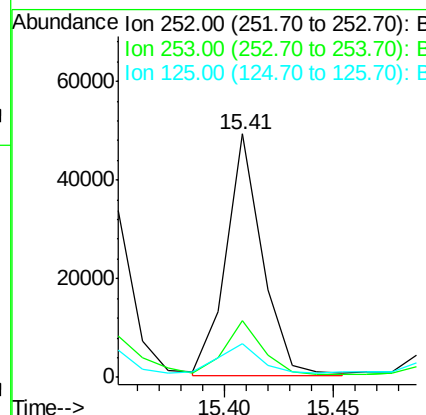
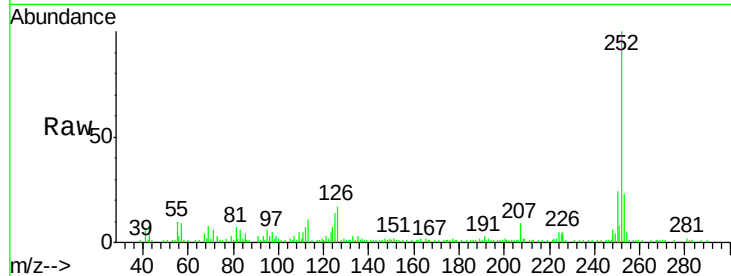
Instrument :

BNA_F

ClientSampleId :

W170TH-SB-11(0.5-1.0)

Tgt Ion:	252	Resp:	56659
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.4	26.0
125	14.0	8.2	12.4#



#91

Benzo(g,h,i)perylene

Concen: 2.34 ng

RT: 17.31 min Scan# 1314

Delta R.T. -0.11 min

Lab File: BF085523.D

Acq: 18 Mar 2016 7:08

Tgt Ion:	276	Resp:	33243
Ion Ratio	Lower	Upper	
276	100		
277	23.8	19.0	28.4
138	25.5	22.5	33.7

