

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030416\
 Data File : BF085251.D
 Acq On : 5 Mar 2016 13:43
 Operator : SJ/IZ
 Sample : H1675-05DL 25X
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-003(0-2)DL

Quant Time: Mar 07 00:07:45 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

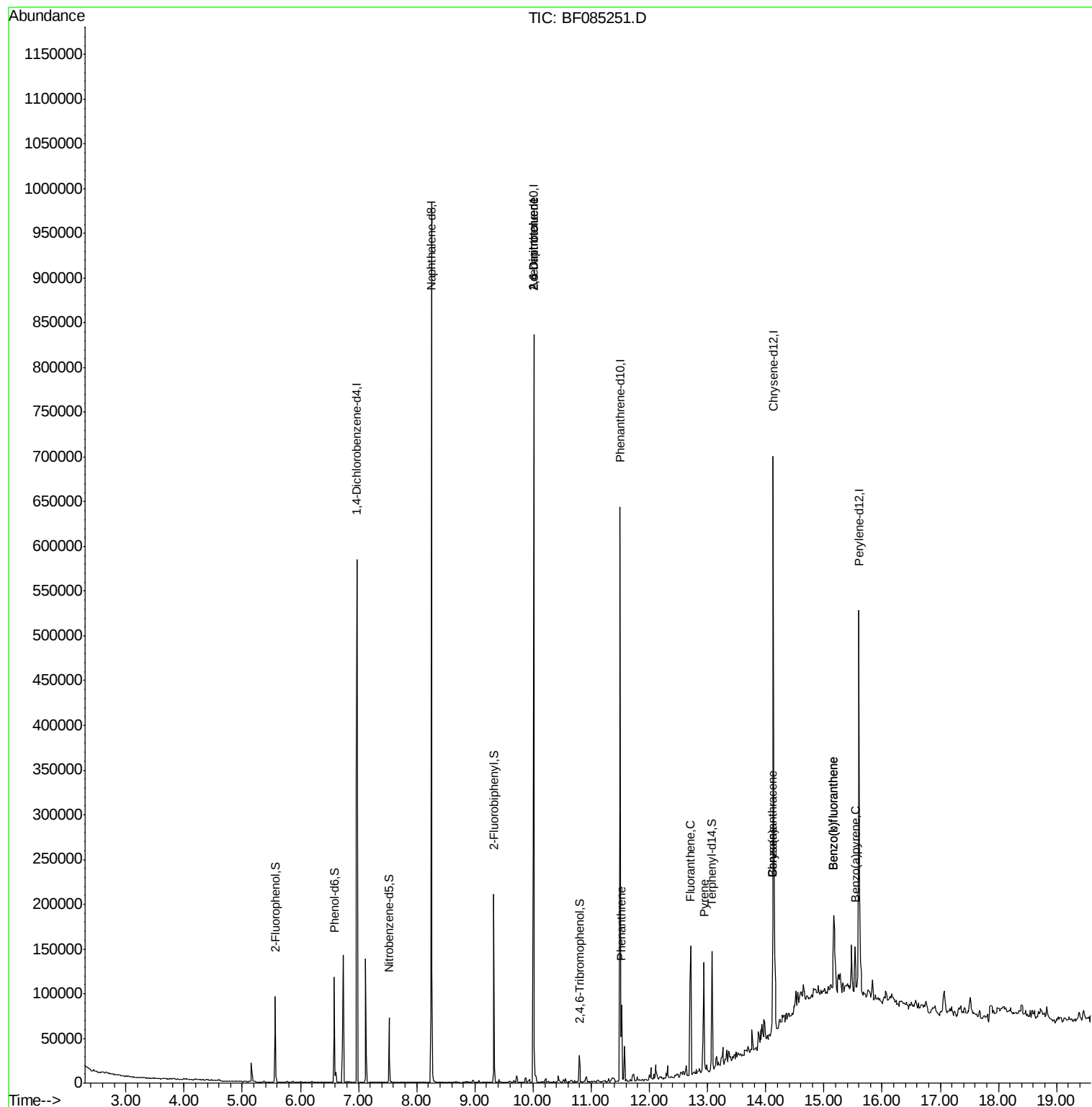
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	109720	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	410787	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	171061	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	274136	20.00	ng	-0.01
75) Chrysene-d12	14.13	240	203355	20.00	ng	-0.02
86) Perylene-d12	15.60	264	186119	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	34841	5.33	ng	-0.01
7) Phenol-d6	6.58	99	49682	5.80	ng	-0.02
23) Nitrobenzene-d5	7.52	82	26349	3.43	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	4031	2.75	ng	-0.01
44) 2-Fluorobiphenyl	9.33	172	60374	5.37	ng	-0.02
78) Terphenyl-d14	13.08	244	35832	4.09	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.73	77	802	Below Cal	#	74
50) 2,6-Dinitrotoluene	10.01	165	21079	7.50	ng	# 25
56) 2,4-Dinitrotoluene	10.01	165	21080	5.86	ng	# 21
70) Phenanthrene	11.52	178	36542	2.54	ng	97
74) Fluoranthene	12.71	202	74948	5.20	ng	95
77) Pyrene	12.94	202	66527	4.35	ng	96
80) Benzo(a)anthracene	14.12	228	39853	3.27	ng	99
82) Chrysene	14.12	228	39853	3.54	ng	95
87) Benzo(b)fluoranthene	15.17	252	60352	4.86	ng	97
88) Benzo(k)fluoranthene	15.17	252	60352	6.03	ng	# 96
89) Benzo(a)pyrene	15.53	252	23888	2.32	ng	# 86

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

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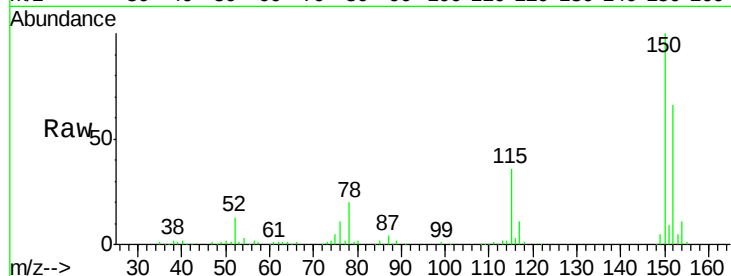




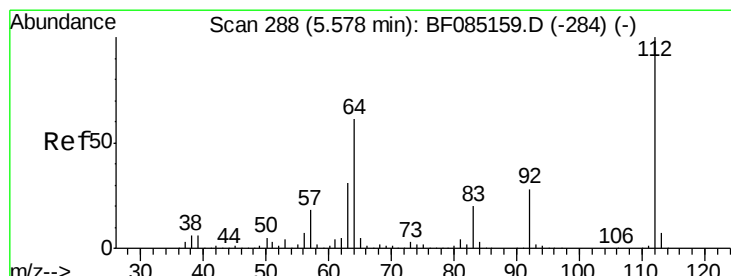
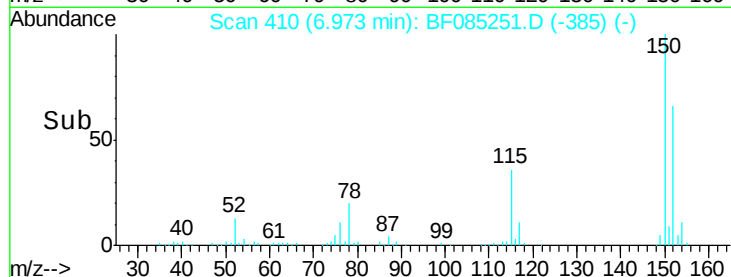
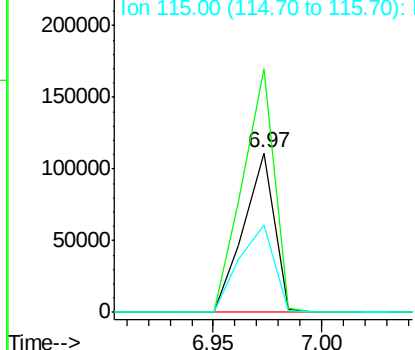
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.97 min Scan# 410
 Delta R.T. -0.01 min
 Lab File: BF085251.D
 Acq: 5 Mar 2016 13:43

Instrument :
 BNA_F
 ClientSampleId :
 SP-003(0-2)DL

Tgt Ion:152 Resp: 109720
 Ion Ratio Lower Upper
 152 100
 150 152.6 124.6 186.8
 115 55.0 46.6 70.0

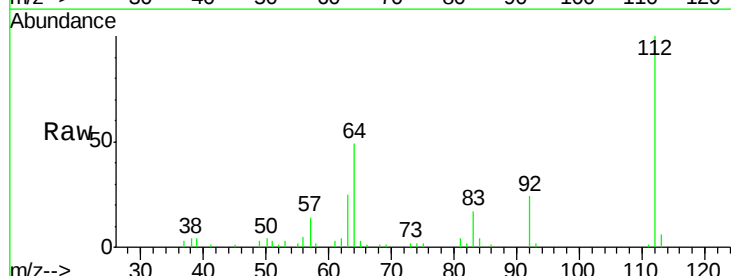


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

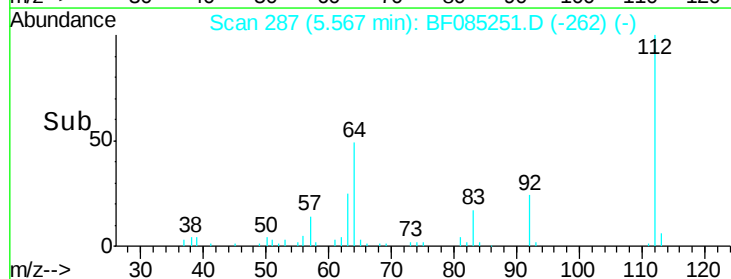
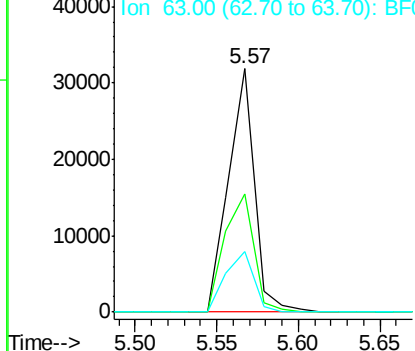


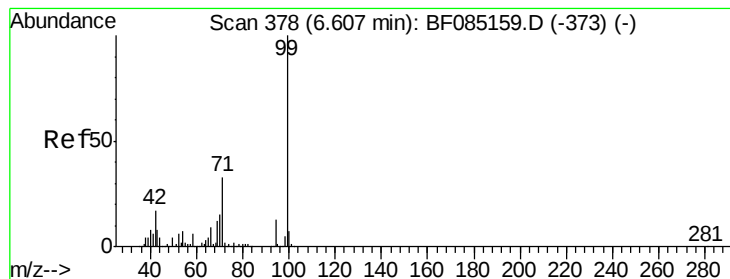
#5
 2-Fluorophenol
 Concen: 5.33 ng
 RT: 5.57 min Scan# 287
 Delta R.T. -0.01 min
 Lab File: BF085251.D
 Acq: 5 Mar 2016 13:43

Tgt Ion:112 Resp: 34841
 Ion Ratio Lower Upper
 112 100
 64 48.6 49.0 73.4#
 63 24.9 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: 5.80 ng

RT: 6.58 min Scan# 376

Delta R.T. -0.02 min

Lab File: BF085251.D

Acq: 5 Mar 2016 13:43

Instrument :

BNA_F

ClientSampleId :

SP-003(0-2)DL

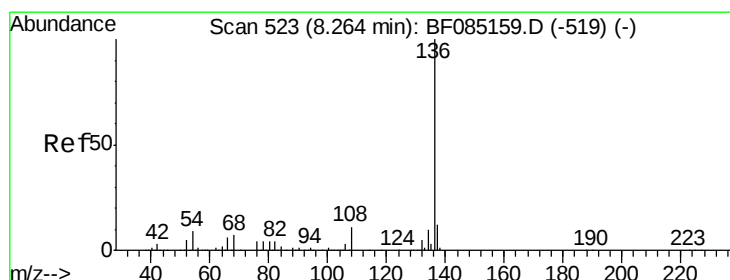
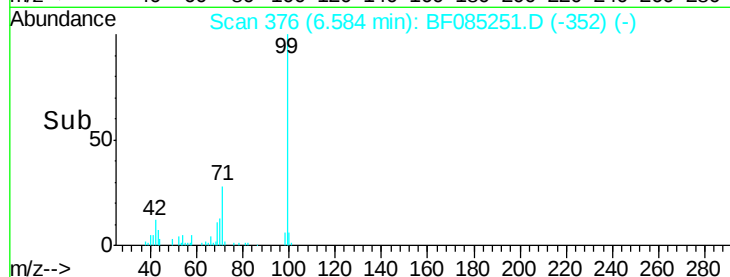
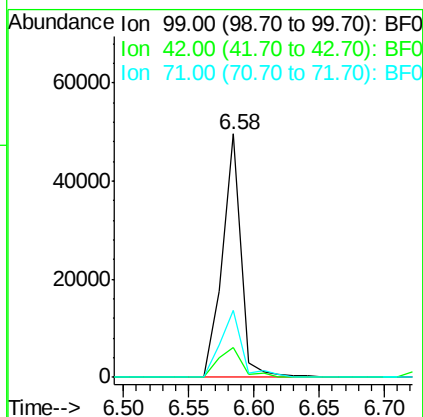
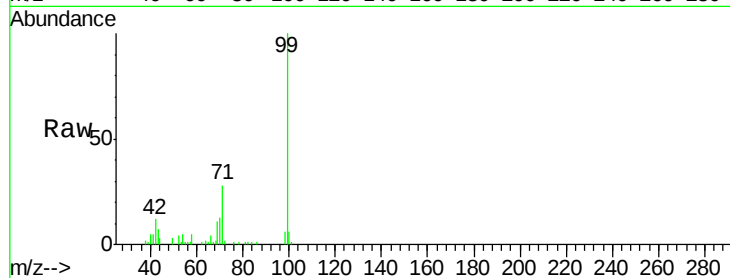
Tgt Ion: 99 Resp: 49682

Ion Ratio Lower Upper

99 100

42 12.4 13.6 20.4#

71 27.7 26.7 40.1



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.25 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF085251.D

Acq: 5 Mar 2016 13:43

Tgt Ion: 136 Resp: 410787

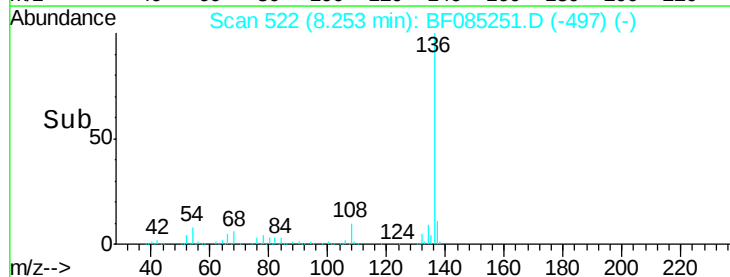
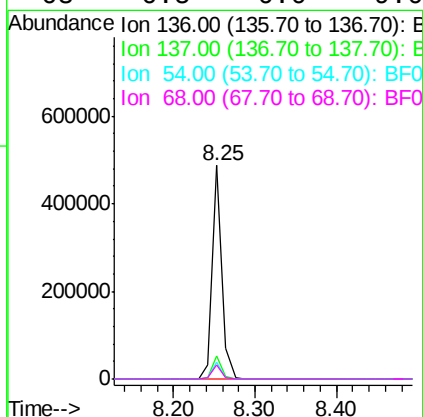
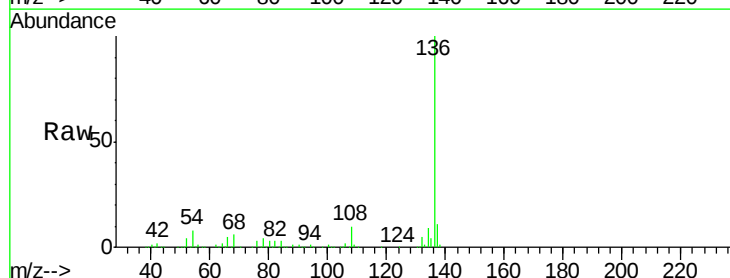
Ion Ratio Lower Upper

136 100

137 11.1 9.3 13.9

54 8.0 7.4 11.2

68 6.5 6.0 9.0

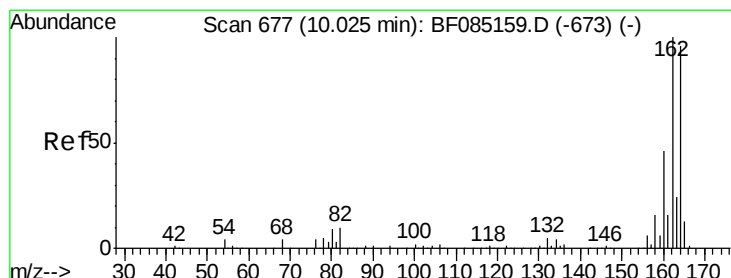
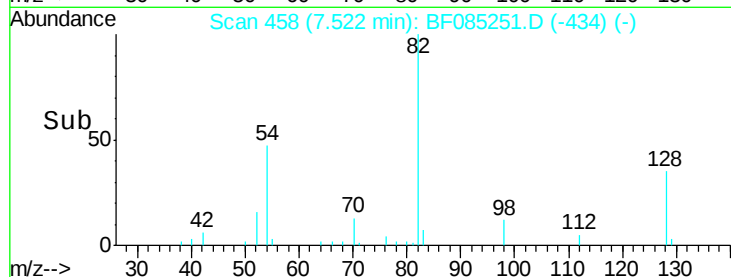
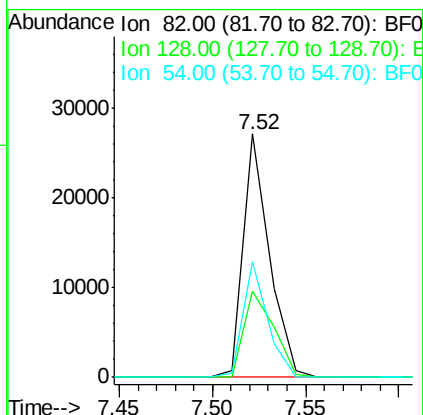
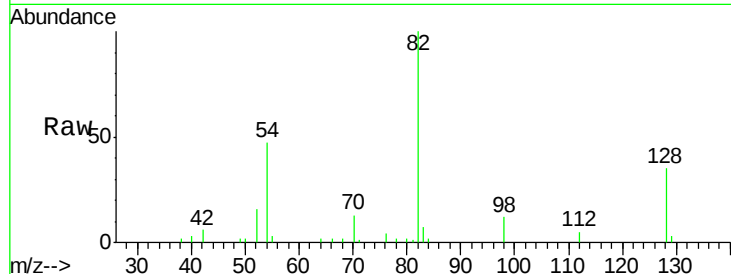




#23
 Nitrobenzene-d5
 Concen: 3.43 ng
 RT: 7.52 min Scan# 458
 Delta R.T. -0.02 min
 Lab File: BF085251.D
 Acq: 5 Mar 2016 13:43

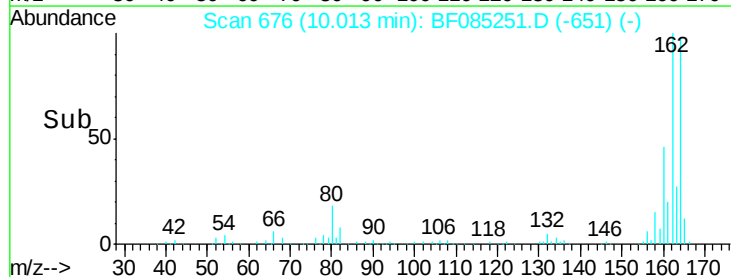
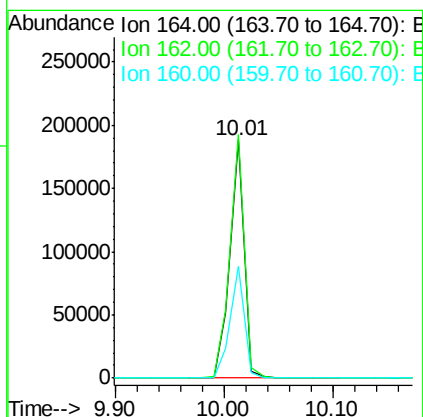
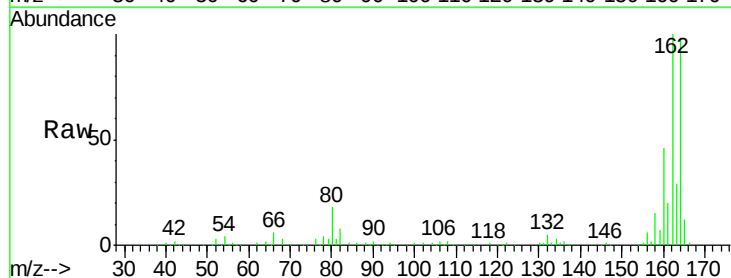
Instrument :
 BNA_F
 ClientSampleId :
 SP-003(0-2)DL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	35.2	34.5	51.7
54	47.5	39.3	58.9



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.01 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: BF085251.D
 Acq: 5 Mar 2016 13:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	83.3	124.9
160	46.8	37.9	56.9

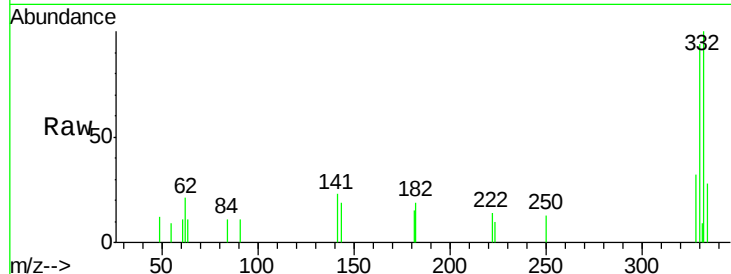




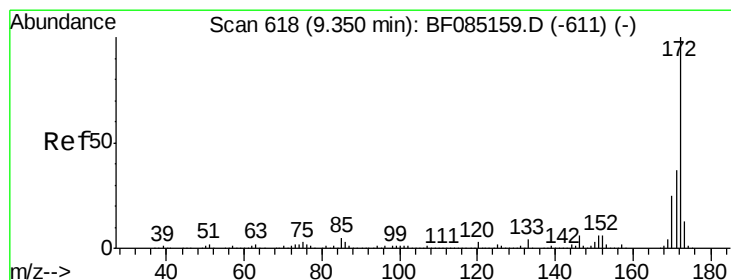
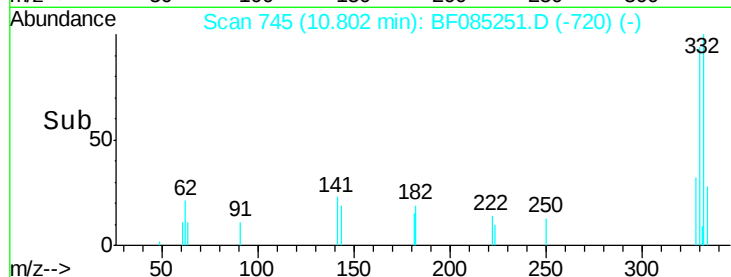
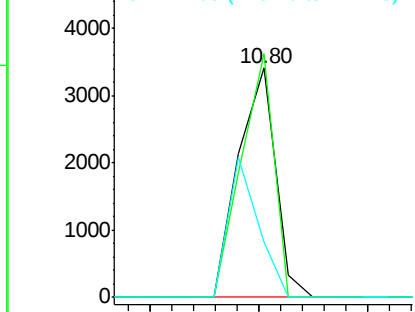
#41
 2,4,6-Tribromophenol
 Concen: 2.75 ng
 RT: 10.80 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF085251.D
 Acq: 5 Mar 2016 13:43

Instrument :
 BNA_F
 ClientSampleId :
 SP-003(0-2)DL

Tgt Ion:330 Resp: 4031
 Ion Ratio Lower Upper
 330 100
 332 92.9 77.1 115.7
 141 49.2 35.0 52.6

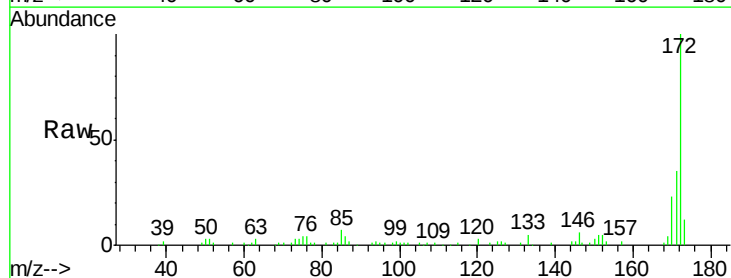


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

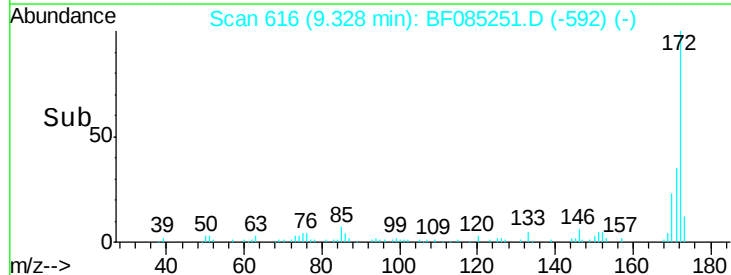
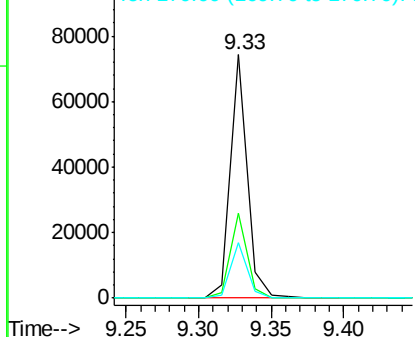


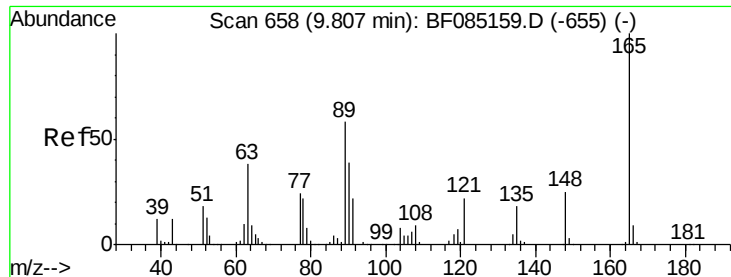
#44
 2-Fluorobiphenyl
 Concen: 5.37 ng
 RT: 9.33 min Scan# 616
 Delta R.T. -0.02 min
 Lab File: BF085251.D
 Acq: 5 Mar 2016 13:43

Tgt Ion:172 Resp: 60374
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.3 43.9
 170 23.0 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





#50

2,6-Dinitrotoluene

Concen: 7.50 ng

RT: 10.01 min Scan# 676

Delta R.T. 0.21 min

Lab File: BF085251.D

Acq: 5 Mar 2016 13:43

Instrument :

BNA_F

ClientSampleId :

SP-003(0-2)DL

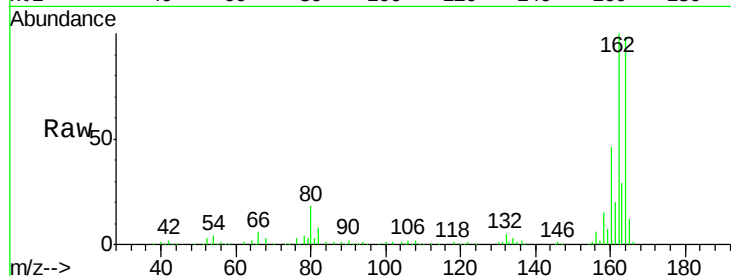
Tgt Ion:165 Resp: 21079

Ion Ratio Lower Upper

165 100

63 0.0 41.8 62.8#

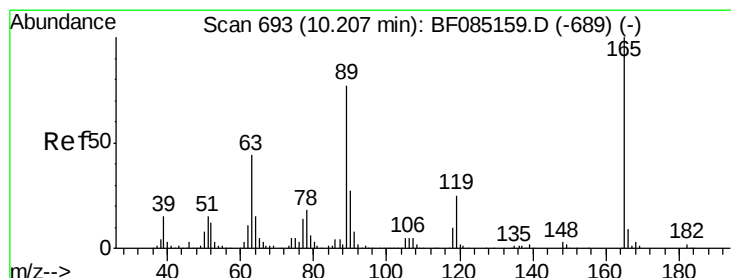
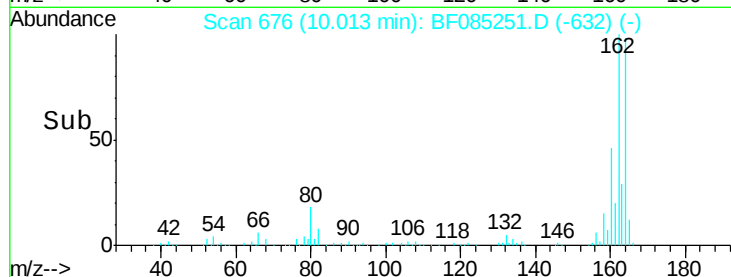
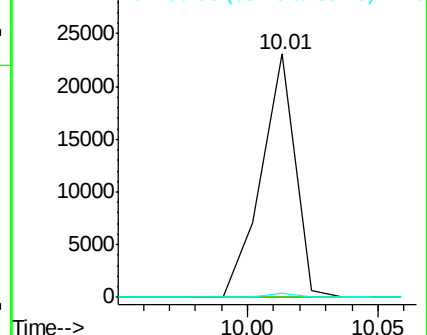
89 1.8 46.7 70.1#



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



#56

2,4-Dinitrotoluene

Concen: 5.86 ng

RT: 10.01 min Scan# 676

Delta R.T. -0.19 min

Lab File: BF085251.D

Acq: 5 Mar 2016 13:43

Tgt Ion:165 Resp: 21080

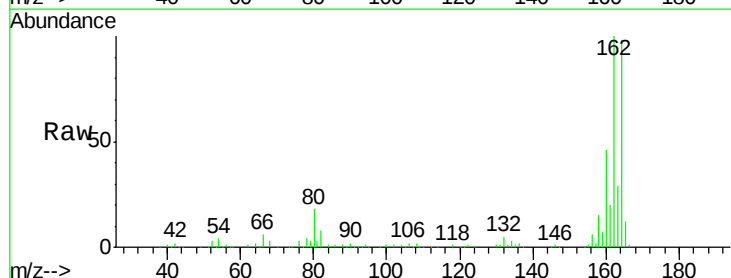
Ion Ratio Lower Upper

165 100

63 0.0 35.4 53.0#

89 1.8 61.9 92.9#

182 0.0 1.9 2.9#

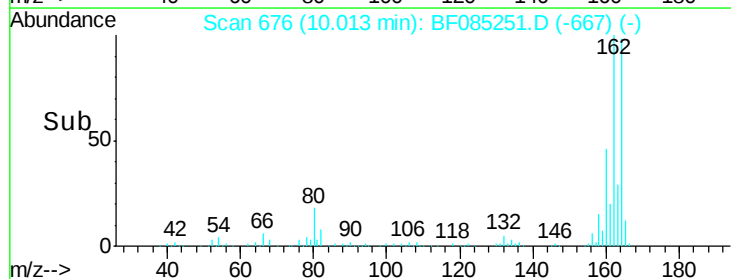
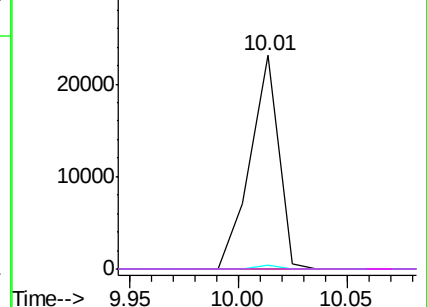


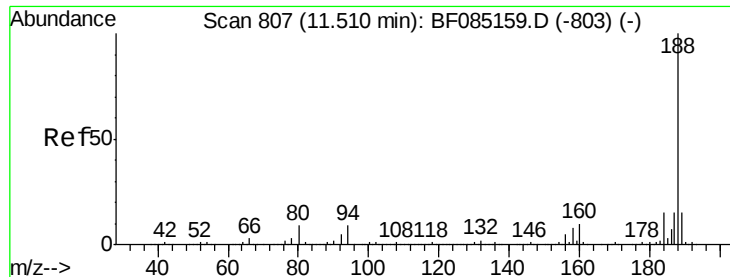
Abundance Ion 165.00 (164.70 to 165.70): E

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

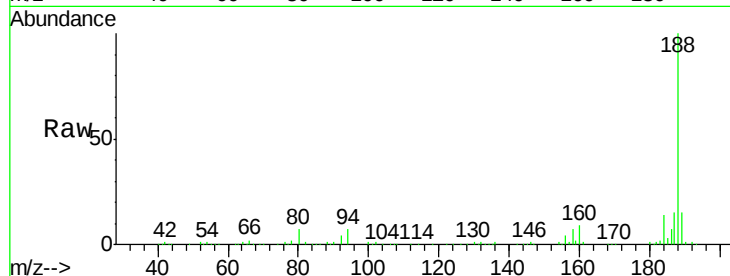




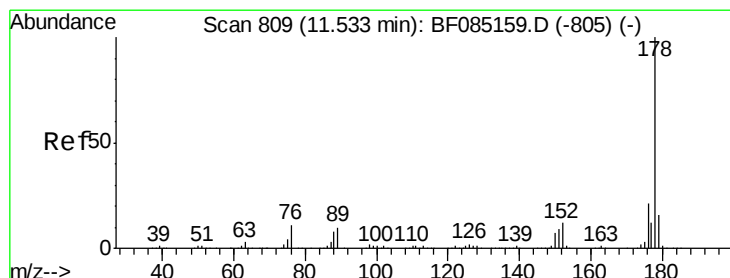
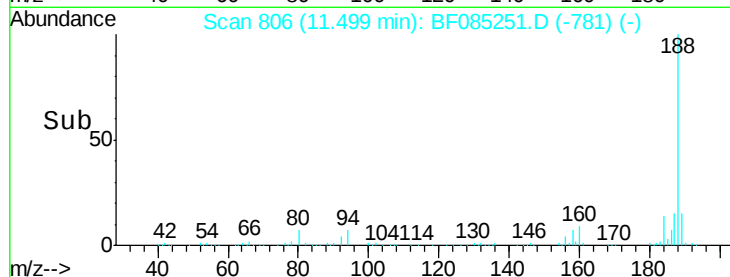
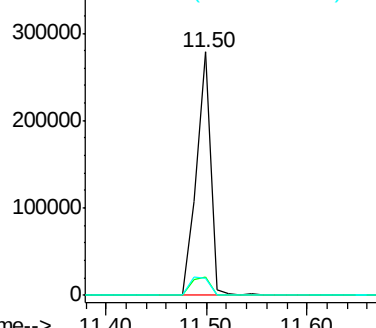
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF085251.D
Acq: 5 Mar 2016 13:43

Instrument :
BNA_F
ClientSampleId :
SP-003(0-2)DL

Tgt Ion:188 Resp: 274136
Ion Ratio Lower Upper
188 100
94 7.3 7.0 10.6
80 7.2 7.4 11.0#

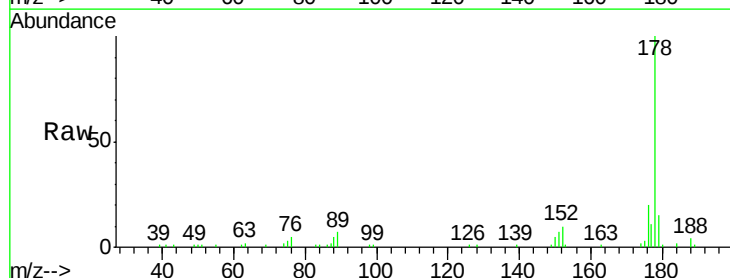


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

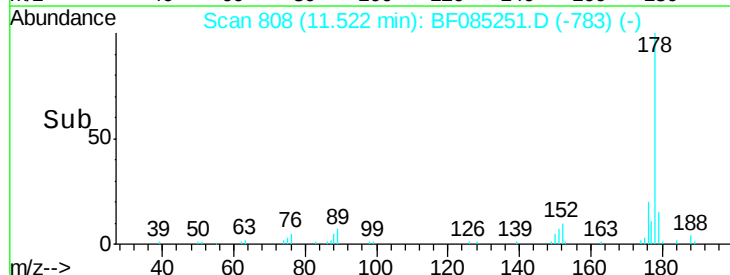
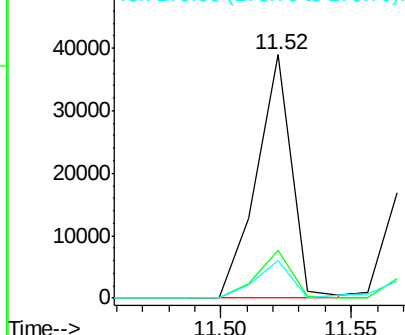


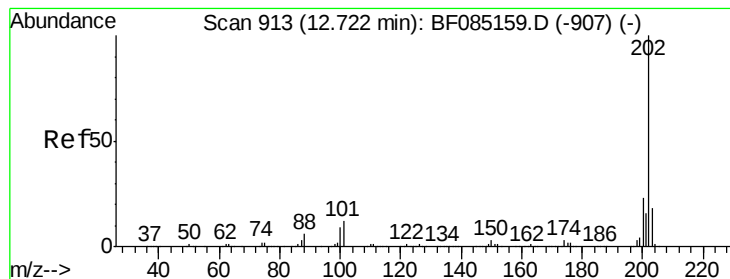
#70
Phenanthrene
Concen: 2.54 ng
RT: 11.52 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF085251.D
Acq: 5 Mar 2016 13:43

Tgt Ion:178 Resp: 36542
Ion Ratio Lower Upper
178 100
176 19.5 16.8 25.2
179 15.5 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: 5.20 ng

RT: 12.71 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF085251.D

Acq: 5 Mar 2016 13:43

Instrument :

BNA_F

ClientSampleId :

SP-003(0-2)DL

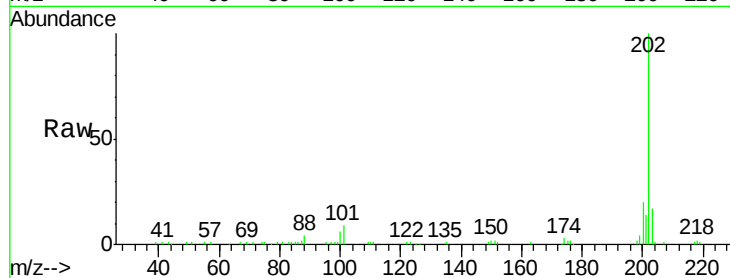
Tgt Ion:202 Resp: 74948

Ion Ratio Lower Upper

202 100

101 8.7 0.0 31.8

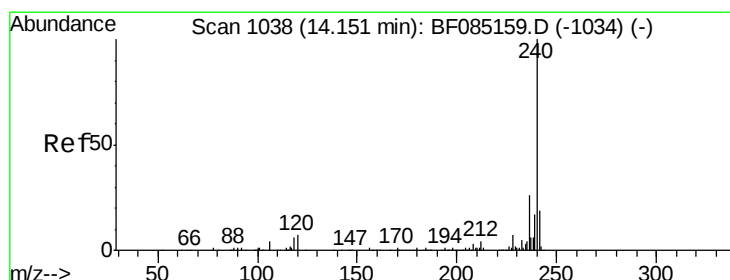
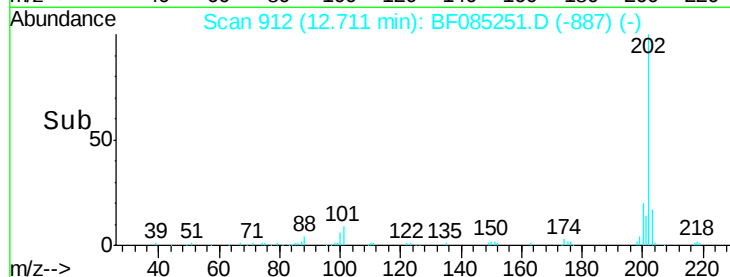
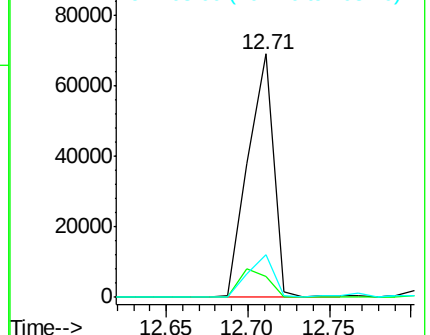
203 17.3 0.0 38.4



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.13 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF085251.D

Acq: 5 Mar 2016 13:43

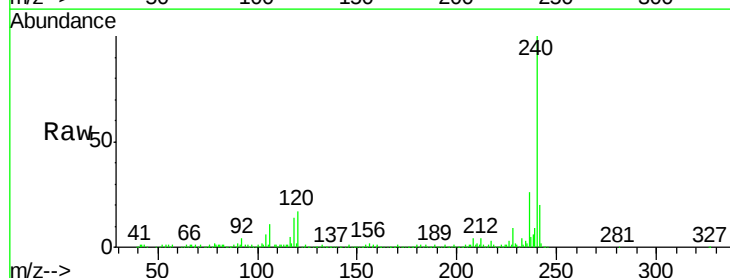
Tgt Ion:240 Resp: 203355

Ion Ratio Lower Upper

240 100

120 16.9 5.3 7.9#

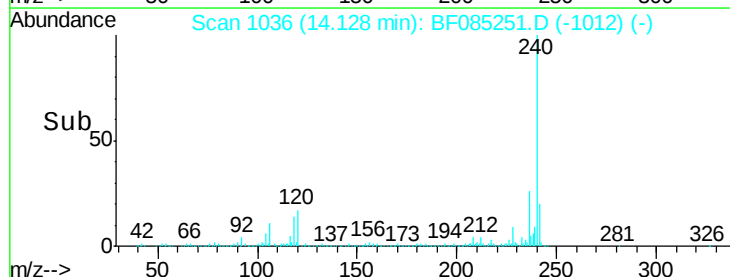
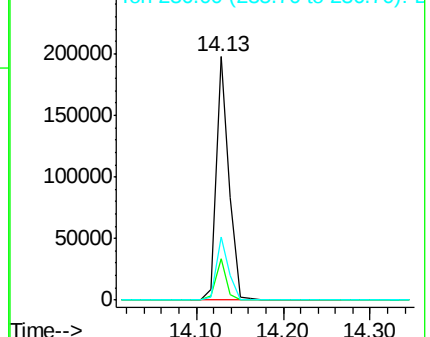
236 25.9 20.7 31.1

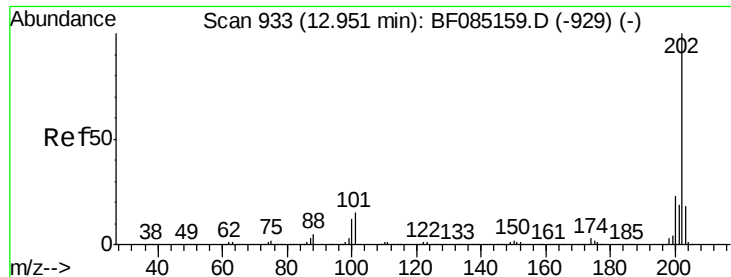


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

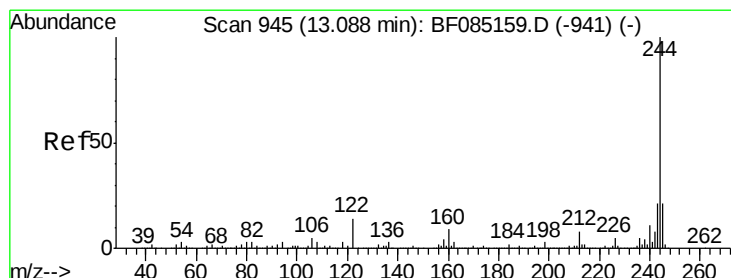
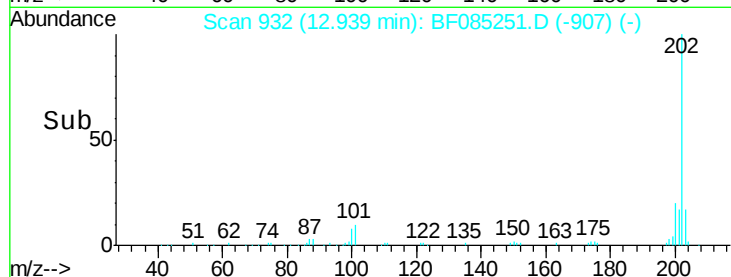
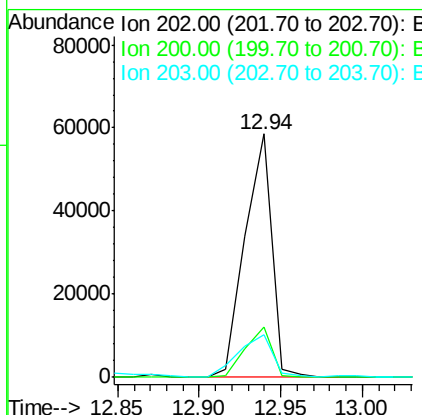
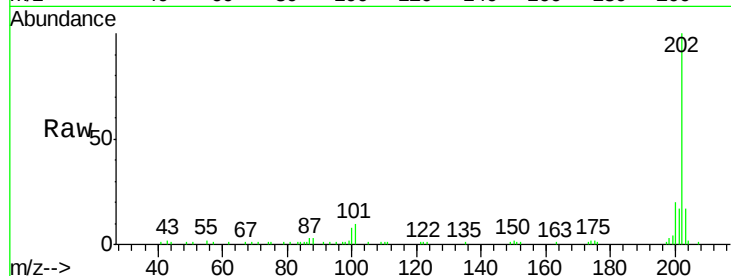




#77
 Pyrene
 Concen: 4.35 ng
 RT: 12.94 min Scan# 932
 Delta R.T. -0.01 min
 Lab File: BF085251.D
 Acq: 5 Mar 2016 13:43

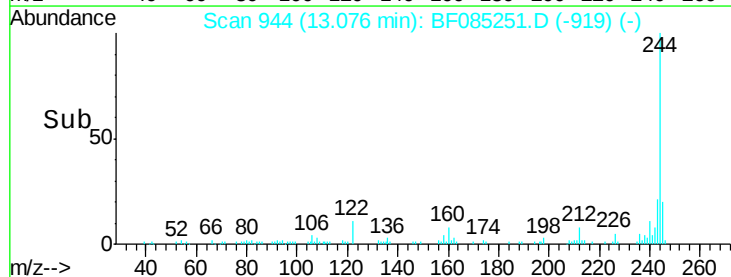
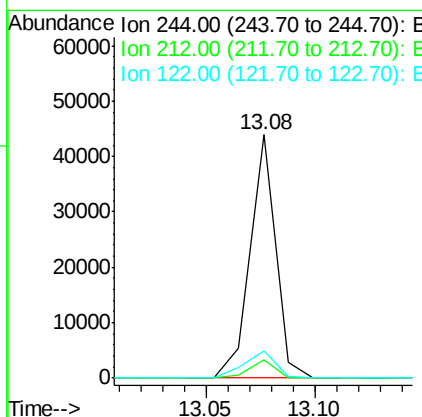
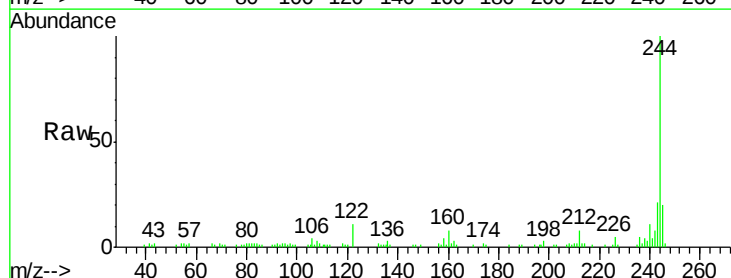
Instrument :
 BNA_F
 ClientSampleId :
 SP-003(0-2)DL

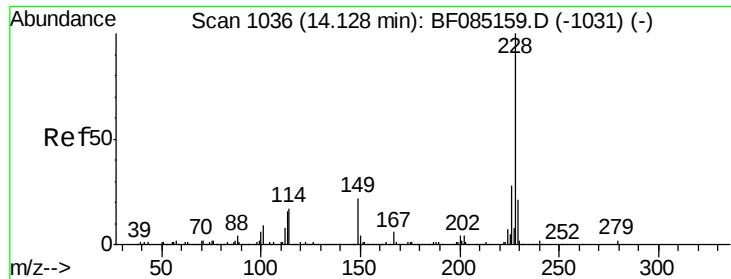
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	18.2	27.4
203	17.4	14.7	22.1



#78
 Terphenyl-d14
 Concen: 4.09 ng
 RT: 13.08 min Scan# 944
 Delta R.T. -0.01 min
 Lab File: BF085251.D
 Acq: 5 Mar 2016 13:43

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.4	9.6
122	11.3	11.4	17.2





#80

Benzo(a)anthracene

Concen: 3.27 ng

RT: 14.12 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF085251.D

Acq: 5 Mar 2016 13:43

Instrument :

BNA_F

ClientSampleId :

SP-003(0-2)DL

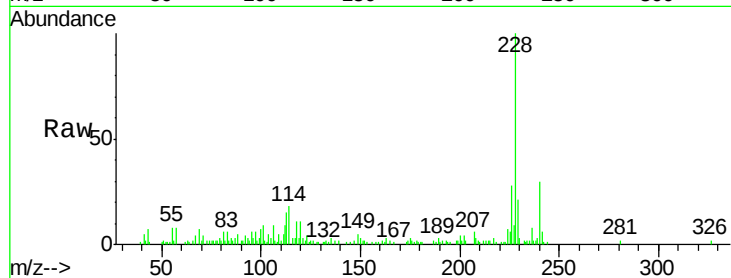
Tgt Ion:228 Resp: 39853

Ion Ratio Lower Upper

228 100

226 28.3 22.8 34.2

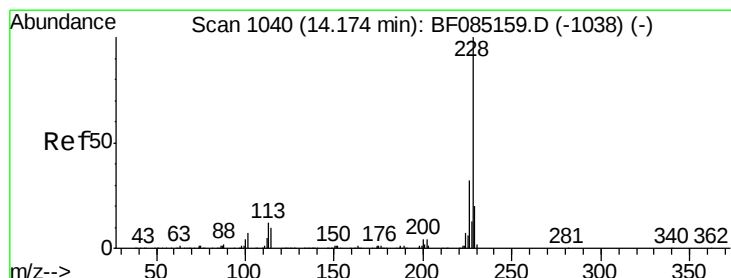
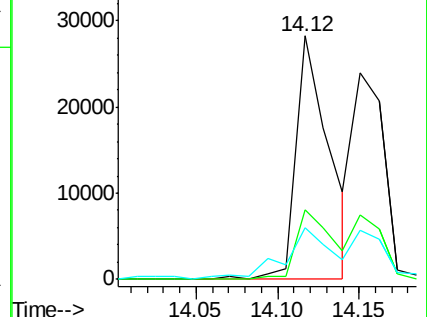
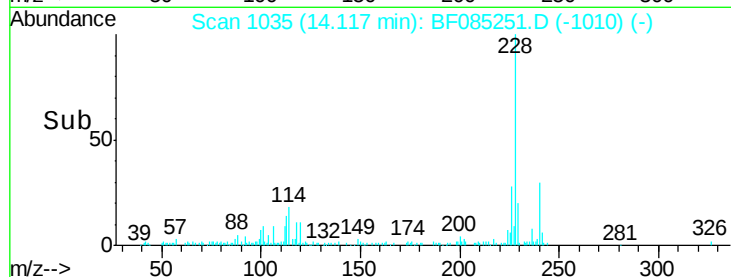
229 21.4 16.6 24.8



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: 3.54 ng

RT: 14.12 min Scan# 1035

Delta R.T. -0.06 min

Lab File: BF085251.D

Acq: 5 Mar 2016 13:43

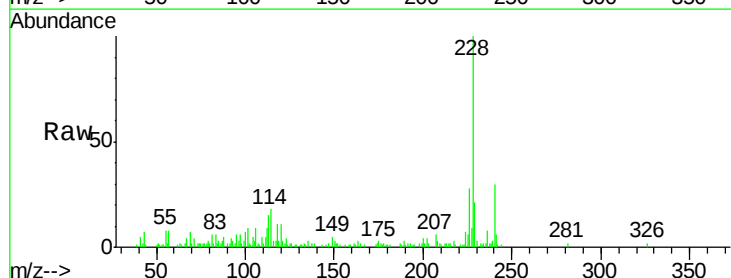
Tgt Ion:228 Resp: 39853

Ion Ratio Lower Upper

228 100

226 28.3 25.2 37.8

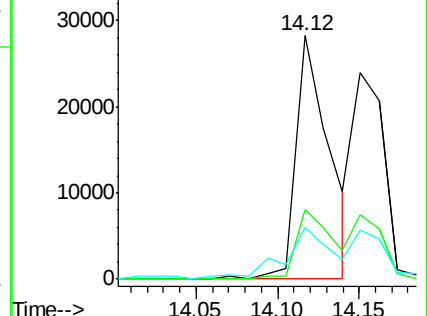
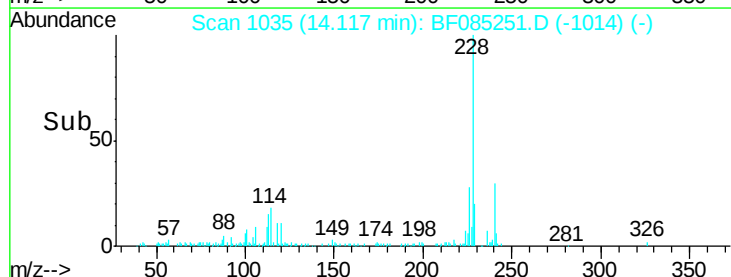
229 21.4 16.0 24.0

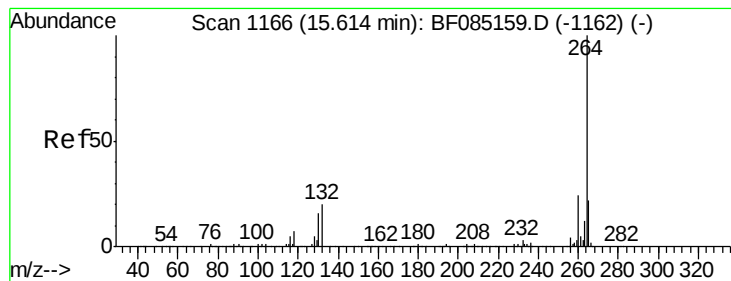


Abundance Ion 228.00 (227.70 to 228.70): E

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: 15.60 min Scan# 1165

Delta R.T. -0.01 min

Lab File: BF085251.D

Acq: 5 Mar 2016 13:43

Instrument :

BNA_F

ClientSampleId :

SP-003(0-2)DL

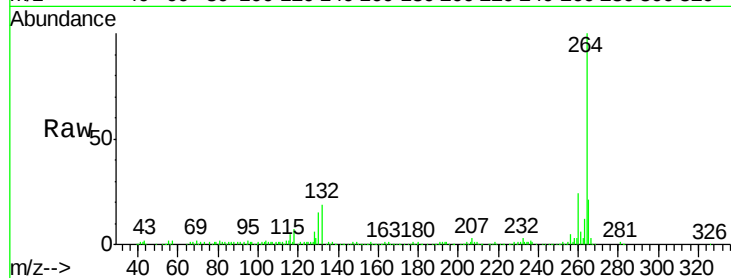
Tgt Ion:264 Resp: 186119

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

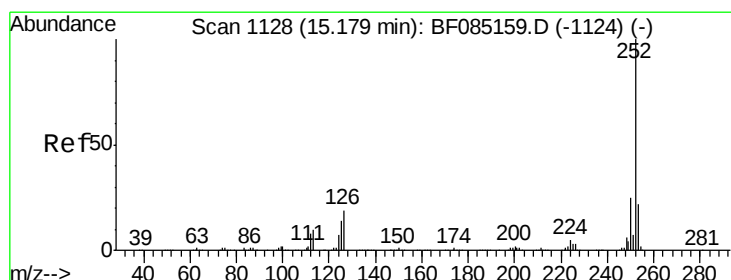
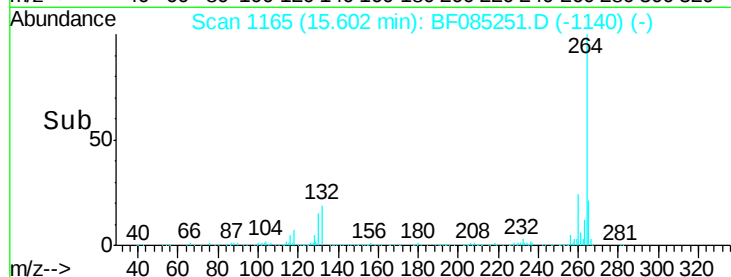
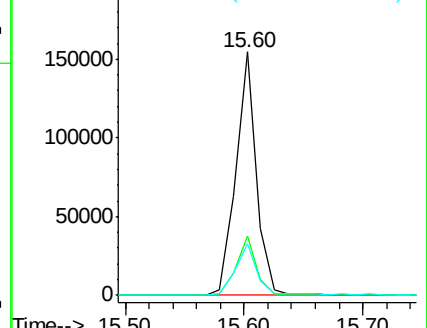
265 21.4 17.3 25.9



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: 4.86 ng

RT: 15.17 min Scan# 1127

Delta R.T. -0.01 min

Lab File: BF085251.D

Acq: 5 Mar 2016 13:43

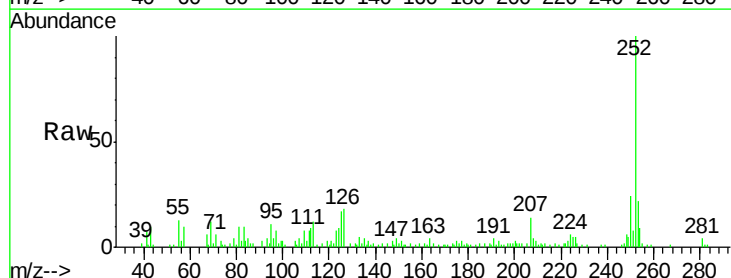
Tgt Ion:252 Resp: 60352

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

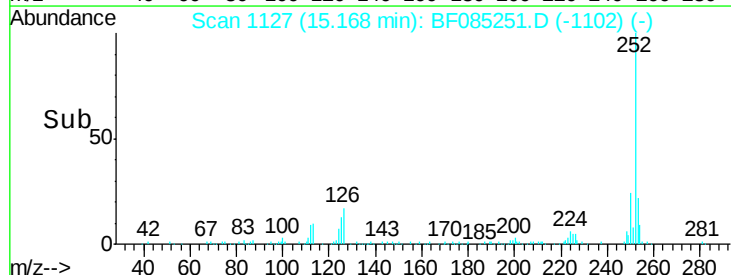
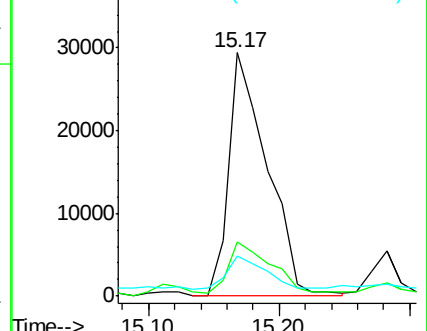
125 16.5 11.3 16.9

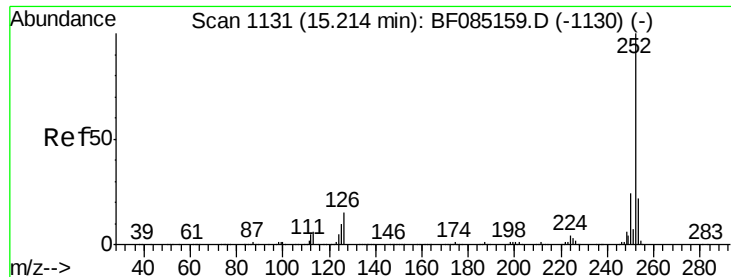


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

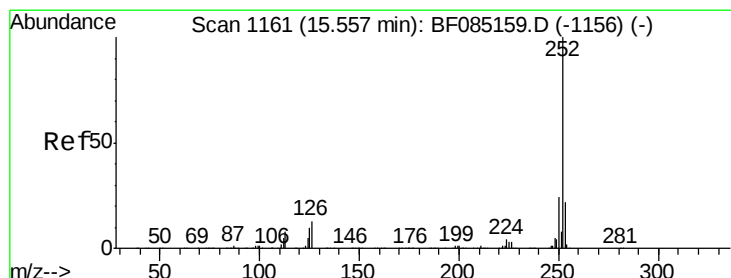
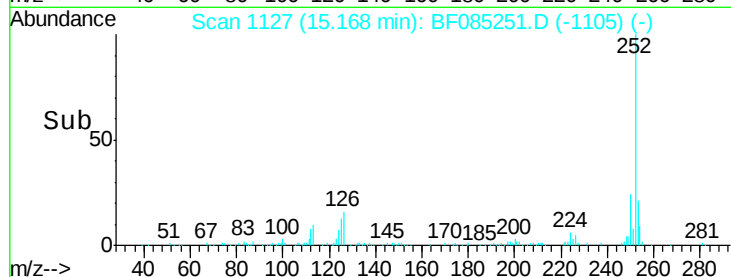
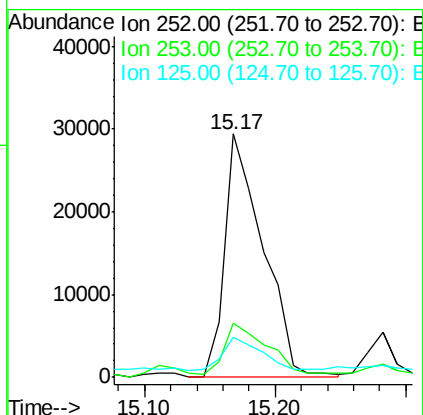
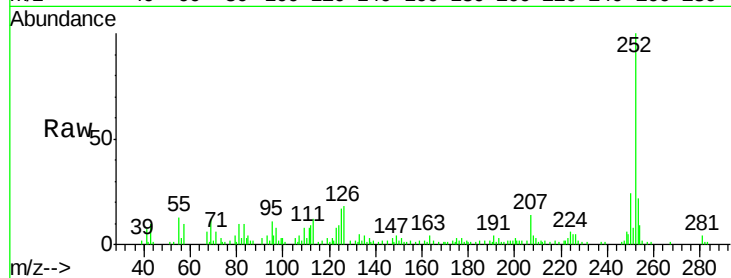




#88
Benzo(k)fluoranthene
Concen: 6.03 ng
RT: 15.17 min Scan# 1127
Delta R.T. -0.05 min
Lab File: BF085251.D
Acq: 5 Mar 2016 13:43

Instrument :
BNA_F
ClientSampleId :
SP-003(0-2)DL

Tgt Ion:252 Resp: 60352
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.6
125 16.5 10.4 15.6#



#89
Benzo(a)pyrene
Concen: 2.32 ng
RT: 15.53 min Scan# 1159
Delta R.T. -0.02 min
Lab File: BF085251.D
Acq: 5 Mar 2016 13:43

Tgt Ion:252 Resp: 23888
Ion Ratio Lower Upper
252 100
253 25.6 17.4 26.0
125 19.6 8.2 12.4#

