

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030416\
 Data File : BF085252.D
 Acq On : 5 Mar 2016 14:11
 Operator : SJ/IZ
 Sample : H1675-09DL 25X
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-005(0-2)DL

Quant Time: Mar 07 00:08:00 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

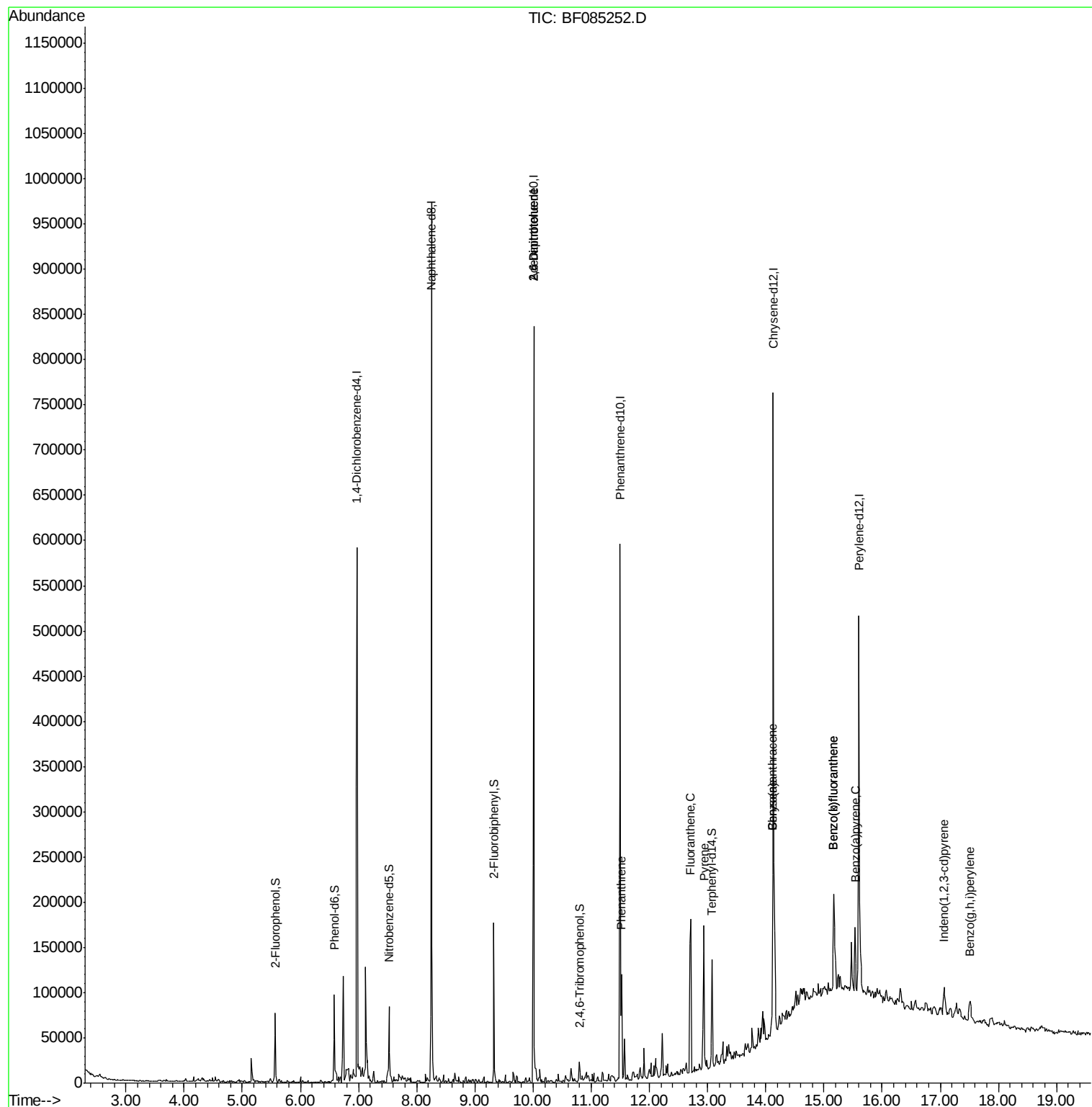
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	108224	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	410896	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	167706	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	269472	20.00	ng	-0.01
75) Chrysene-d12	14.13	240	205840	20.00	ng	-0.02
86) Perylene-d12	15.60	264	189768	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	27962	4.33	ng	-0.01
7) Phenol-d6	6.58	99	40458	4.79	ng	-0.02
23) Nitrobenzene-d5	7.52	82	21808	2.84	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	2874	2.00	ng	-0.01
44) 2-Fluorobiphenyl	9.33	172	51527	4.67	ng	-0.02
78) Terphenyl-d14	13.08	244	33015	3.72	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.73	77	551	Below Cal	#	78
50) 2,6-Dinitrotoluene	10.01	165	20979	7.62	ng	# 26
56) 2,4-Dinitrotoluene	10.01	165	20981	5.95	ng	# 22
70) Phenanthrene	11.52	178	51713	3.66	ng	97
74) Fluoranthene	12.71	202	95699	6.75	ng	94
77) Pyrene	12.94	202	88748	5.73	ng	97
80) Benzo(a)anthracene	14.12	228	50927	4.13	ng	99
82) Chrysene	14.12	228	50927	4.47	ng	96
85) Indeno(1,2,3-cd)pyrene	17.07	276	20765	2.34	ng	# 91
87) Benzo(b)fluoranthene	15.17	252	72126	5.70	ng	98
88) Benzo(k)fluoranthene	15.17	252	72126	7.07	ng	97
89) Benzo(a)pyrene	15.53	252	32098	3.06	ng	# 91
91) Benzo(g,h,i)perylene	17.51	276	18204	2.02	ng	98

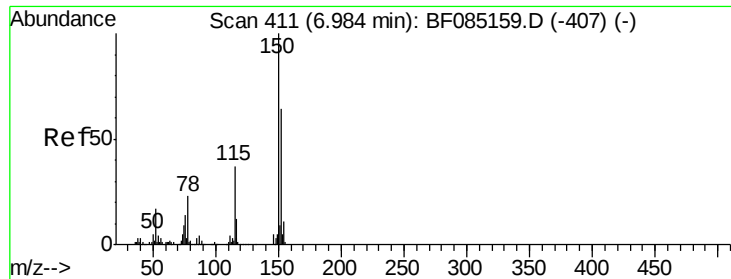
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF085252.D

Acq: 5 Mar 2016 14:11

Instrument :

BNA_F

ClientSampleId :

SP-005(0-2)DL

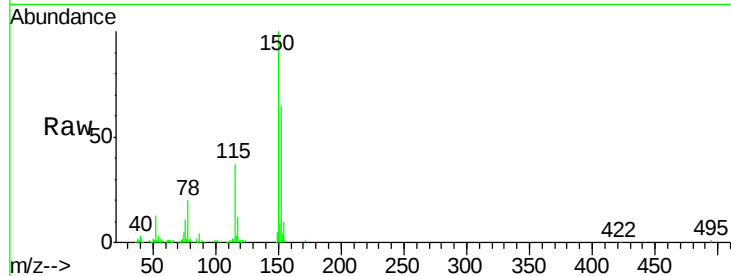
Tgt Ion:152 Resp: 108224

Ion Ratio Lower Upper

152 100

150 153.4 124.6 186.8

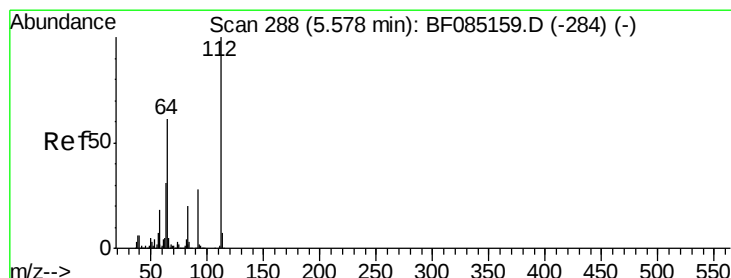
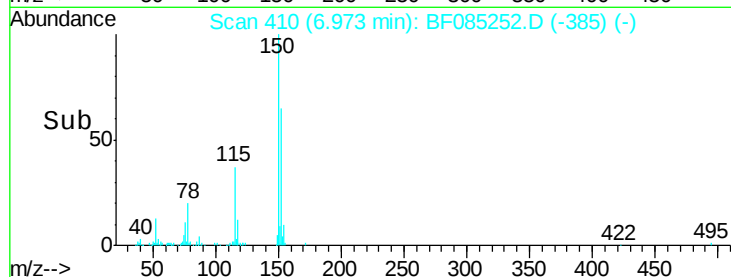
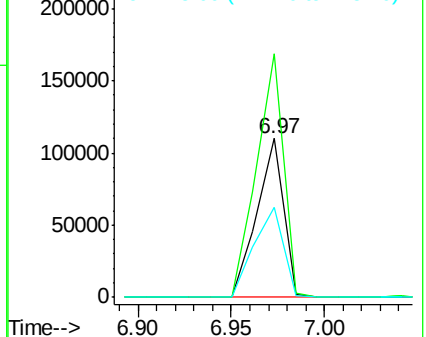
115 56.8 46.6 70.0



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: 4.33 ng

RT: 5.57 min Scan# 287

Delta R.T. -0.01 min

Lab File: BF085252.D

Acq: 5 Mar 2016 14:11

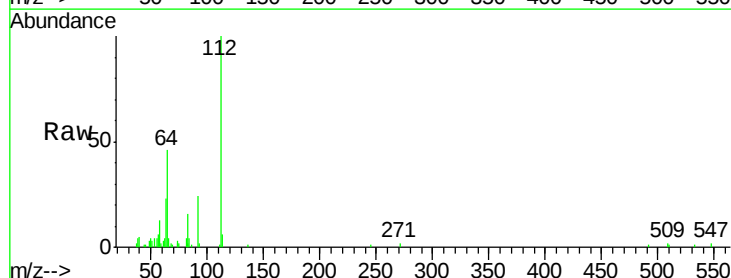
Tgt Ion:112 Resp: 27962

Ion Ratio Lower Upper

112 100

64 45.6 49.0 73.4#

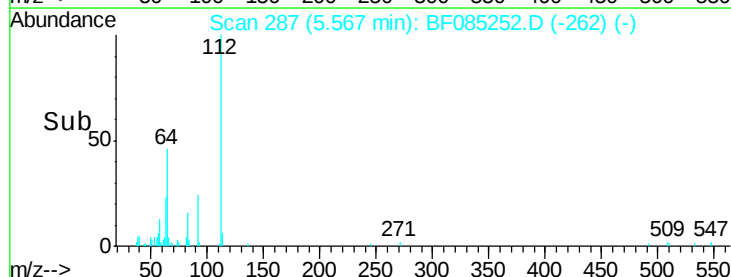
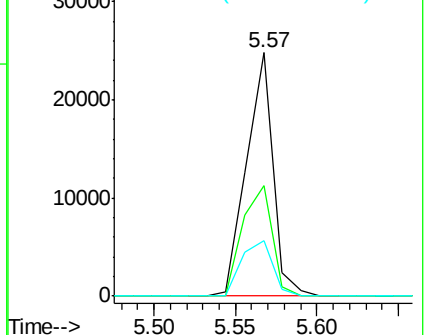
63 23.0 24.8 37.2#

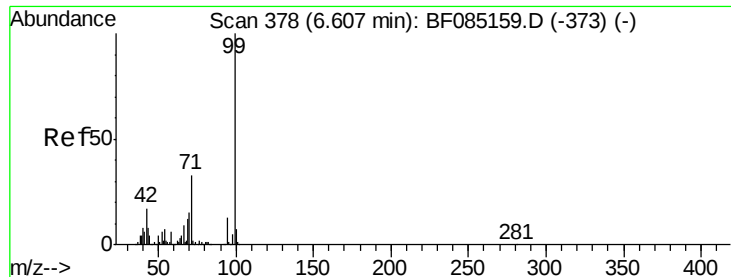


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 4.79 ng

RT: 6.58 min Scan# 376

Delta R.T. -0.02 min

Lab File: BF085252.D

Acq: 5 Mar 2016 14:11

Instrument :

BNA_F

ClientSampleId :

SP-005(0-2)DL

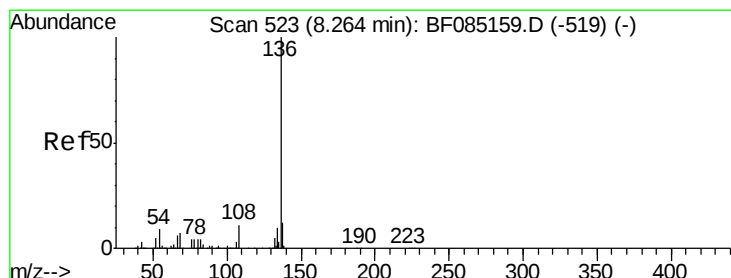
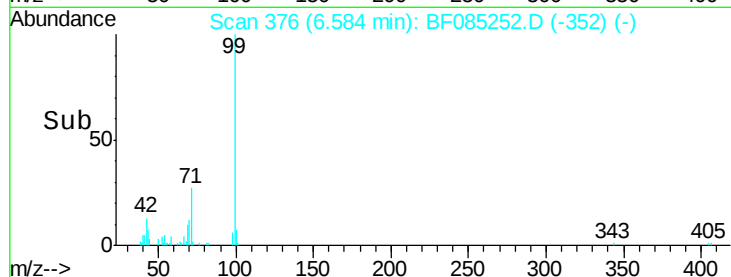
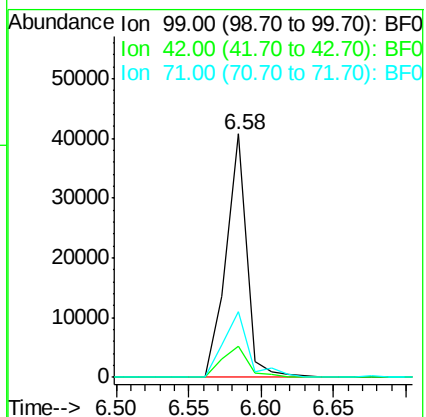
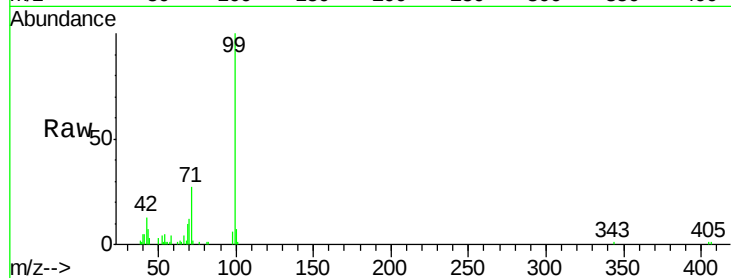
Tgt Ion: 99 Resp: 40458

Ion Ratio Lower Upper

99 100

42 12.6 13.6 20.4#

71 27.0 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: BF085252.D

Acq: 5 Mar 2016 14:11

Tgt Ion: 136 Resp: 410896

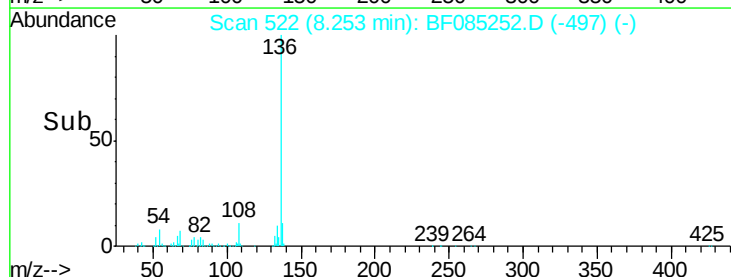
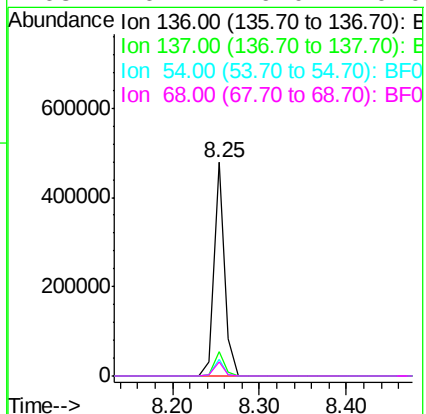
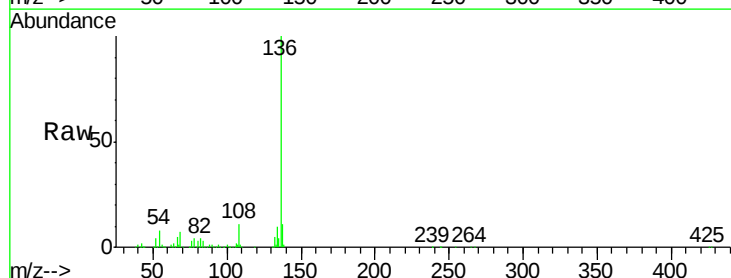
Ion Ratio Lower Upper

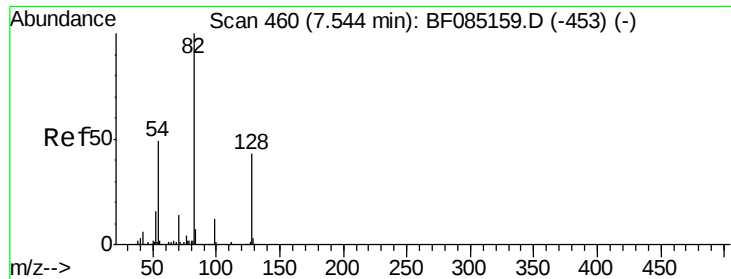
136 100

137 11.4 9.3 13.9

54 7.7 7.4 11.2

68 6.7 6.0 9.0

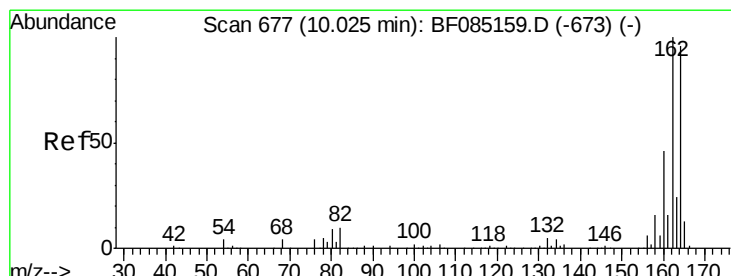
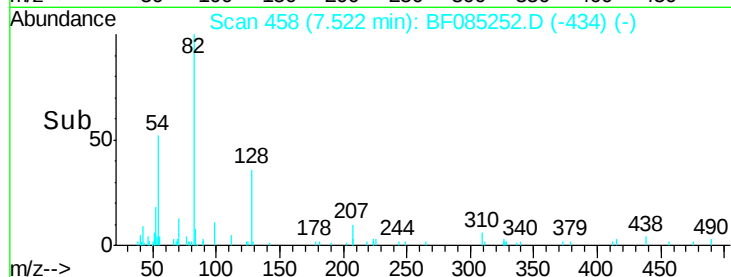
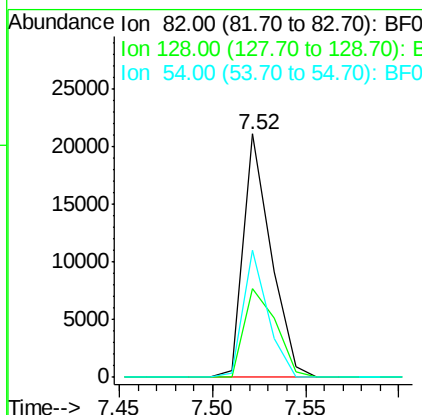
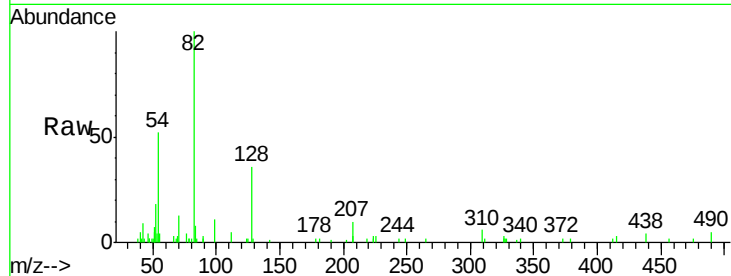




#23
 Nitrobenzene-d5
 Concen: 2.84 ng
 RT: 7.52 min Scan# 458
 Delta R.T. -0.02 min
 Lab File: BF085252.D
 Acq: 5 Mar 2016 14:11

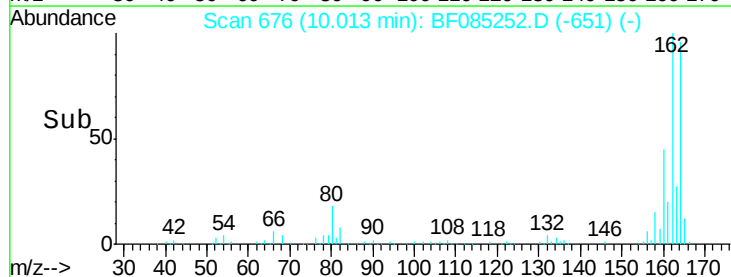
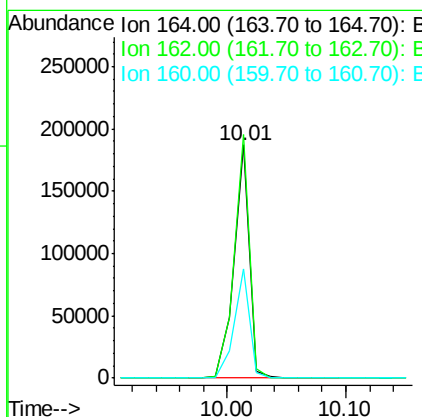
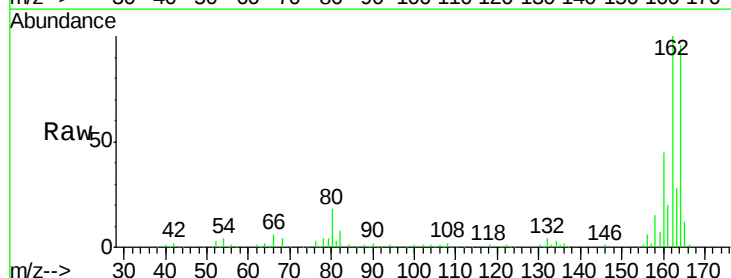
Instrument :
 BNA_F
 ClientSampleId :
 SP-005(0-2)DL

Tgt Ion: 82 Resp: 21808
 Ion Ratio Lower Upper
 82 100
 128 36.4 34.5 51.7
 54 52.1 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: BF085252.D
 Acq: 5 Mar 2016 14:11

Tgt Ion: 164 Resp: 167706
 Ion Ratio Lower Upper
 164 100
 162 104.4 83.3 124.9
 160 47.0 37.9 56.9

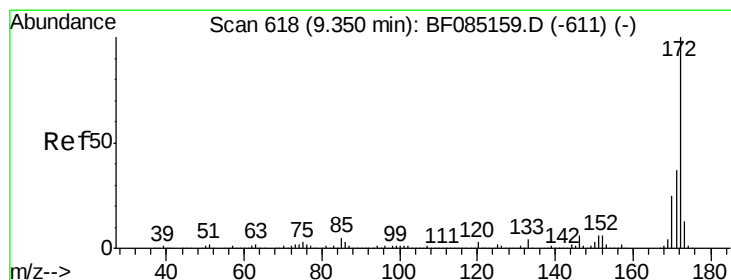
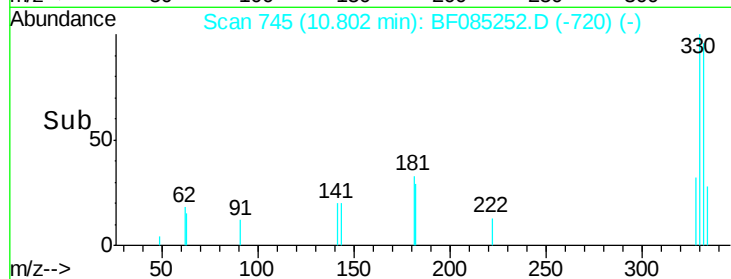
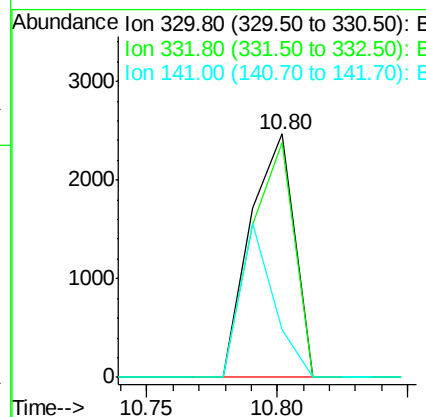
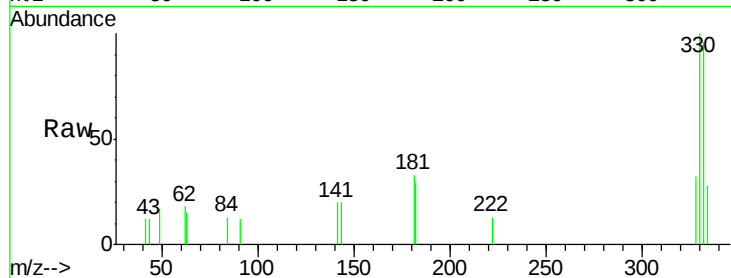




#41
 2,4,6-Tribromophenol
 Concen: 2.00 ng
 RT: 10.80 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF085252.D
 Acq: 5 Mar 2016 14:11

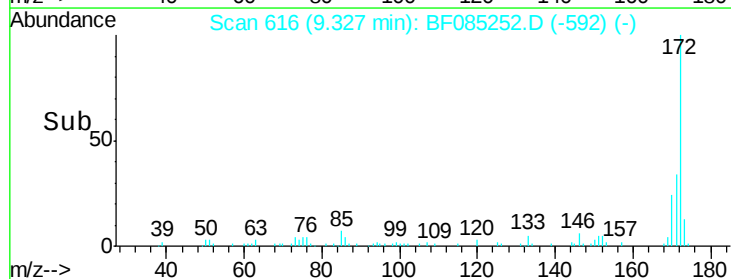
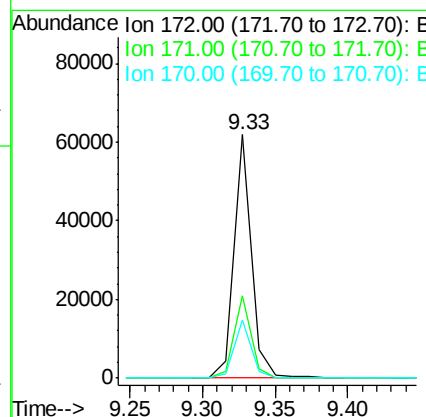
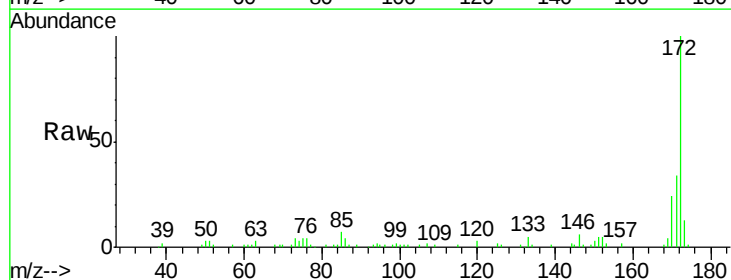
Instrument :
 BNA_F
 ClientSampleId :
 SP-005(0-2)DL

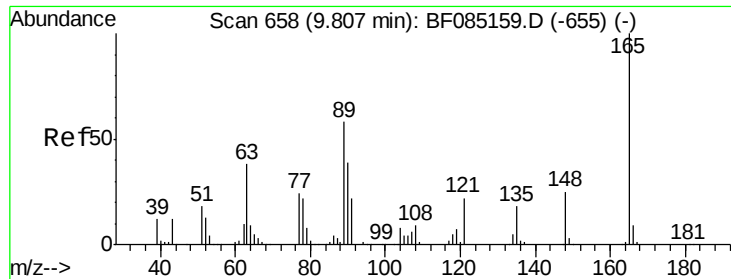
Tgt Ion:330 Resp: 2874
 Ion Ratio Lower Upper
 330 100
 332 93.8 77.1 115.7
 141 49.0 35.0 52.6



#44
 2-Fluorobiphenyl
 Concen: 4.67 ng
 RT: 9.33 min Scan# 616
 Delta R.T. -0.02 min
 Lab File: BF085252.D
 Acq: 5 Mar 2016 14:11

Tgt Ion:172 Resp: 51527
 Ion Ratio Lower Upper
 172 100
 171 33.8 29.3 43.9
 170 24.0 20.0 30.0

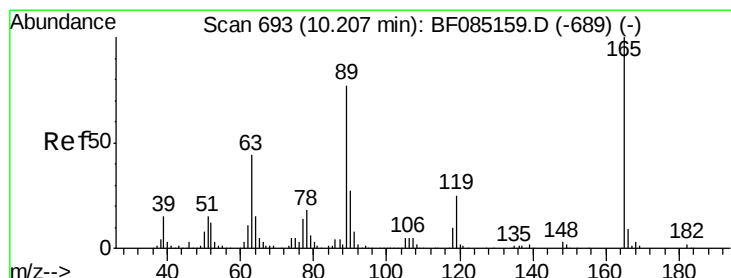
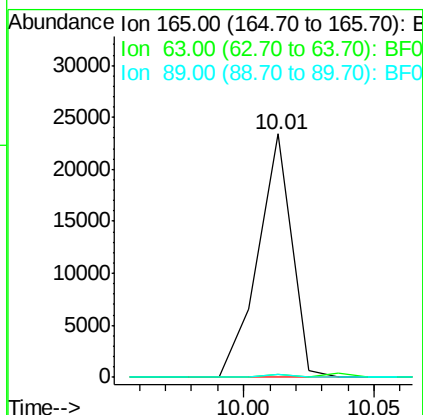
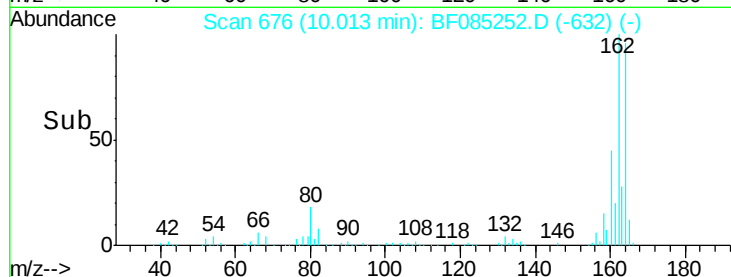
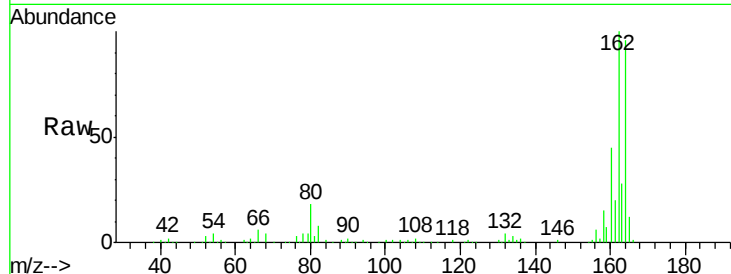




#50
 2,6-Dinitrotoluene
 Concen: 7.62 ng
 RT: 10.01 min Scan# 676
 Delta R.T. 0.21 min
 Lab File: BF085252.D
 Acq: 5 Mar 2016 14:11

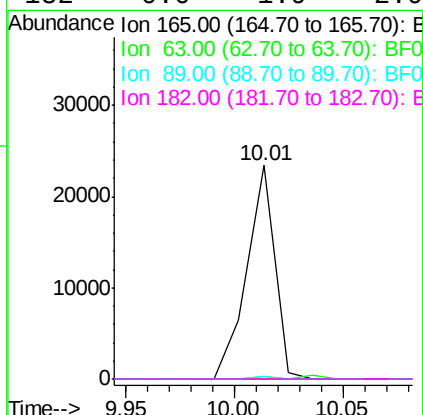
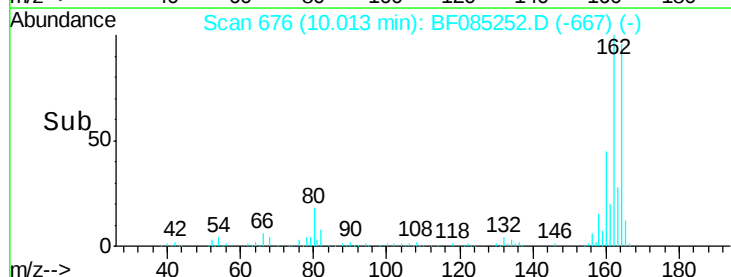
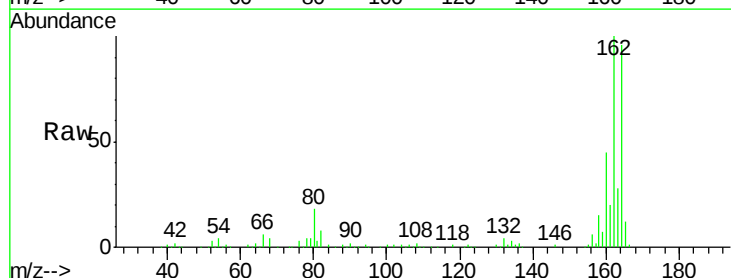
Instrument :
 BNA_F
 ClientSampleId :
 SP-005(0-2)DL

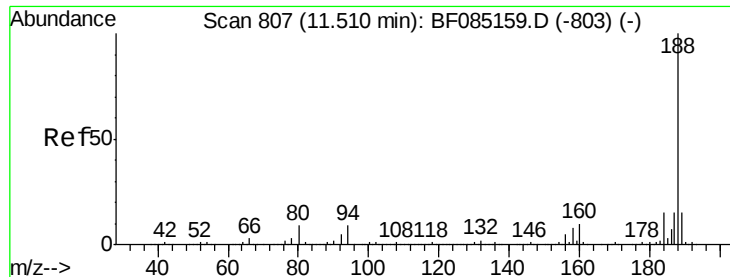
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	41.8	62.8#
89	1.5	46.7	70.1#



#56
 2,4-Dinitrotoluene
 Concen: 5.95 ng
 RT: 10.01 min Scan# 676
 Delta R.T. -0.19 min
 Lab File: BF085252.D
 Acq: 5 Mar 2016 14:11

Tgt 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#

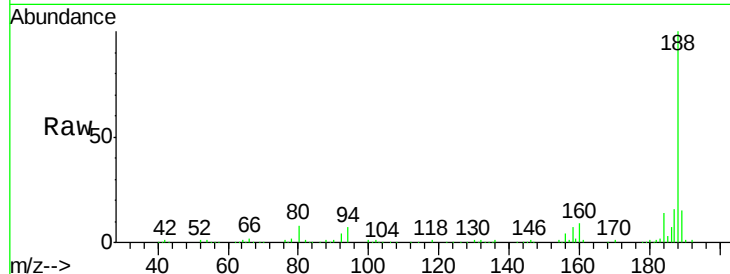




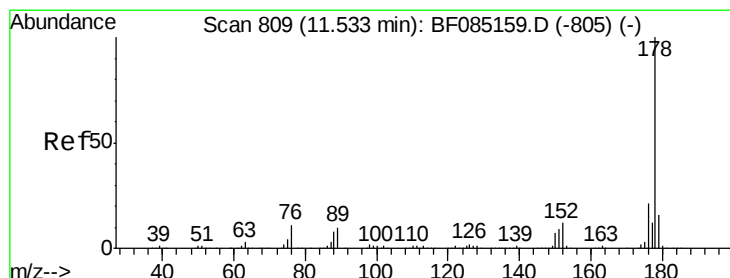
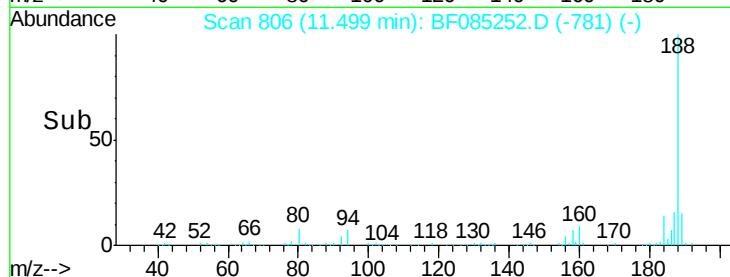
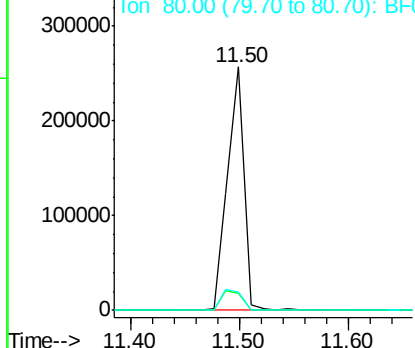
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF085252.D
Acq: 5 Mar 2016 14:11

Instrument :
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ClientSampleId :
SP-005(0-2)DL

Tgt Ion:188 Resp: 269472
Ion Ratio Lower Upper
188 100
94 7.1 7.0 10.6
80 7.5 7.4 11.0

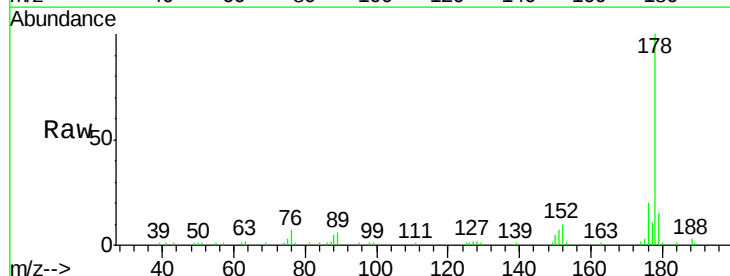


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

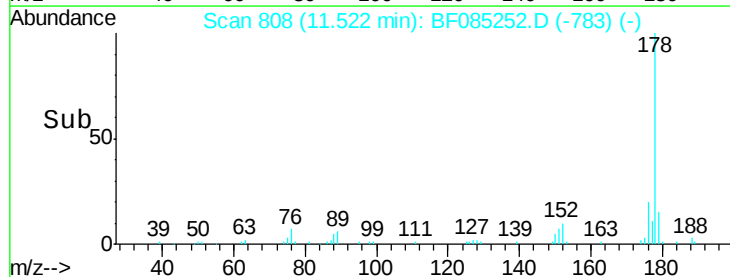
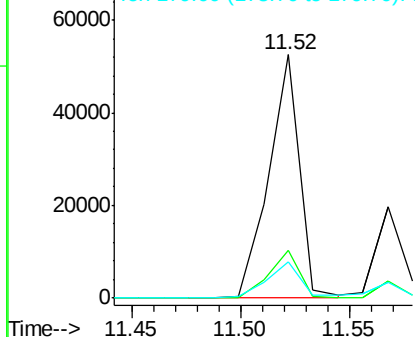


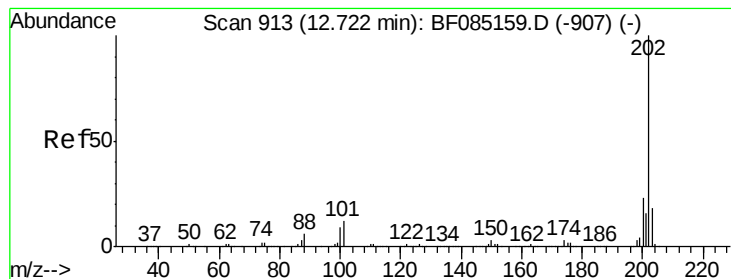
#70
Phenanthrene
Concen: 3.66 ng
RT: 11.52 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF085252.D
Acq: 5 Mar 2016 14:11

Tgt Ion:178 Resp: 51713
Ion Ratio Lower Upper
178 100
176 19.6 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: 6.75 ng

RT: 12.71 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF085252.D

Acq: 5 Mar 2016 14:11

Instrument :

BNA_F

ClientSampleId :

SP-005(0-2)DL

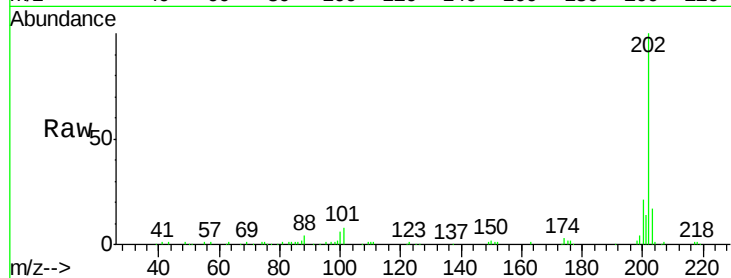
Tgt Ion:202 Resp: 95699

Ion Ratio Lower Upper

202 100

101 8.0 0.0 31.8

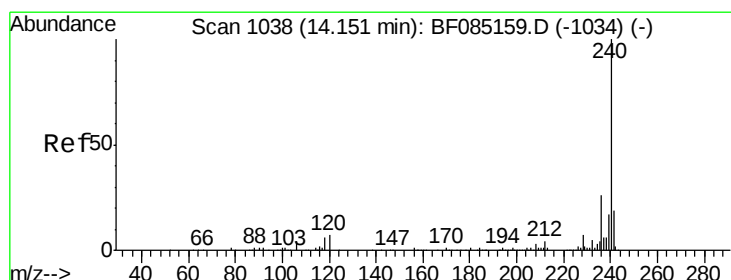
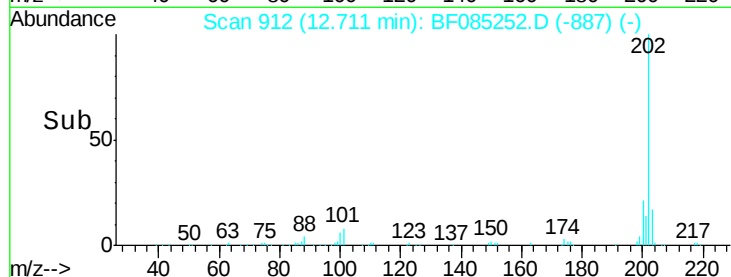
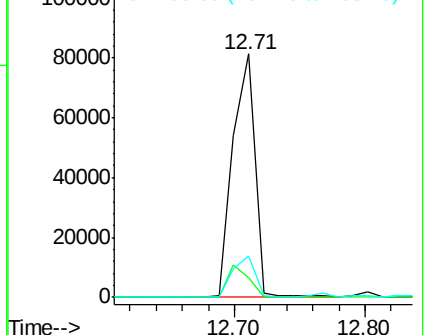
203 17.1 0.0 38.4



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: BF085252.D

Acq: 5 Mar 2016 14:11

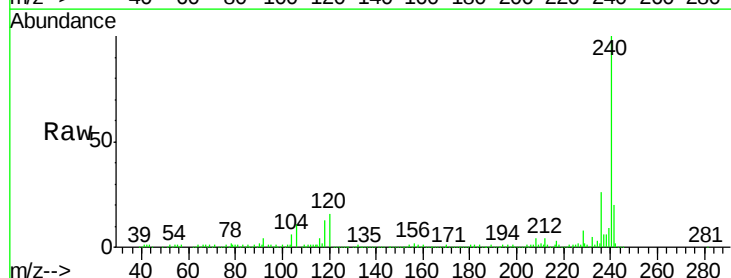
Tgt Ion:240 Resp: 205840

Ion Ratio Lower Upper

240 100

120 15.5 5.3 7.9#

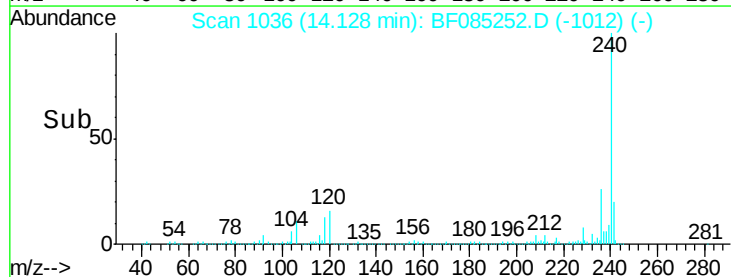
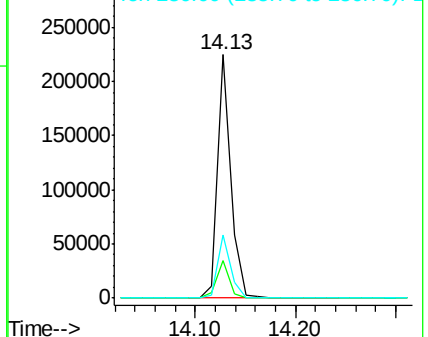
236 25.9 20.7 31.1

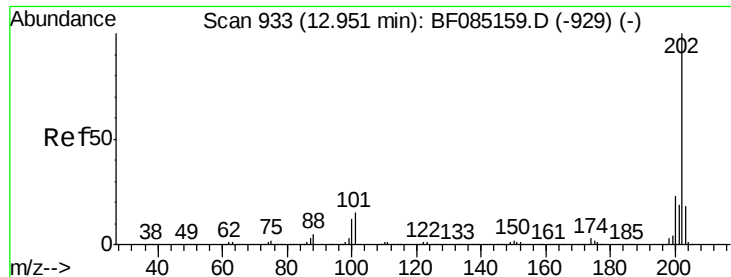


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

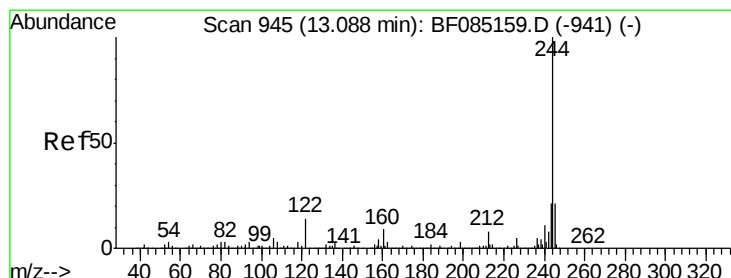
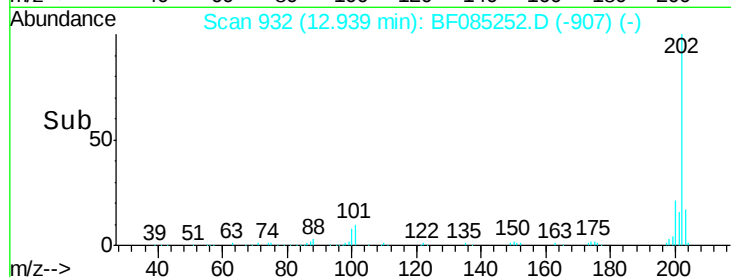
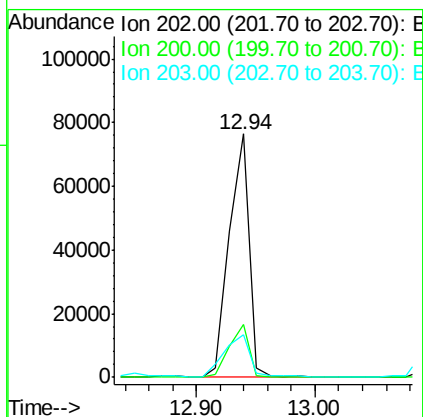
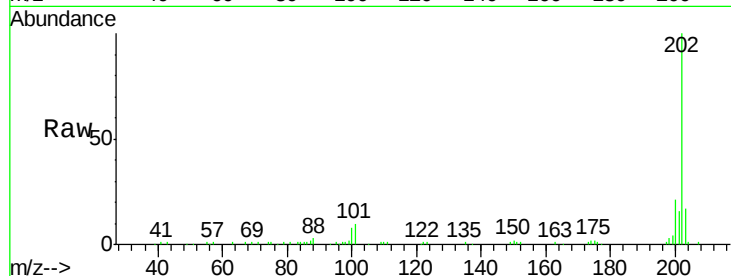




#77
 Pyrene
 Concen: 5.73 ng
 RT: 12.94 min Scan# 932
 Delta R.T. -0.01 min
 Lab File: BF085252.D
 Acq: 5 Mar 2016 14:11

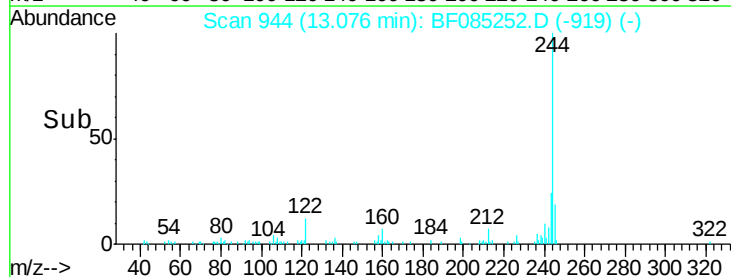
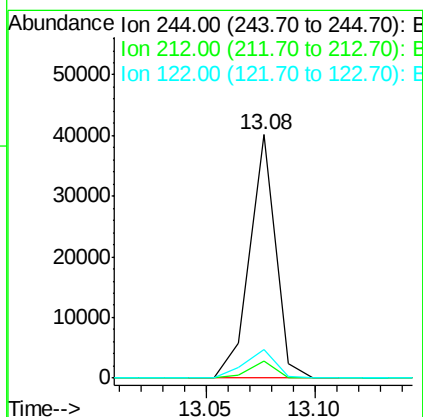
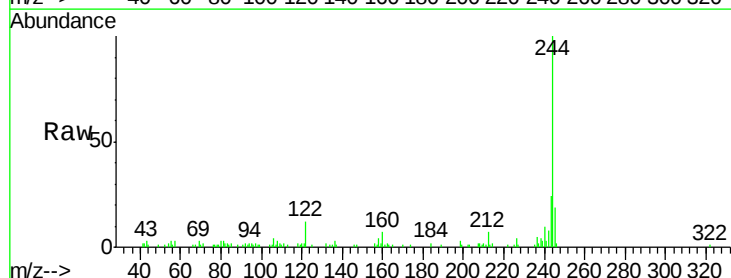
Instrument :
 BNA_F
 ClientSampleId :
 SP-005(0-2)DL

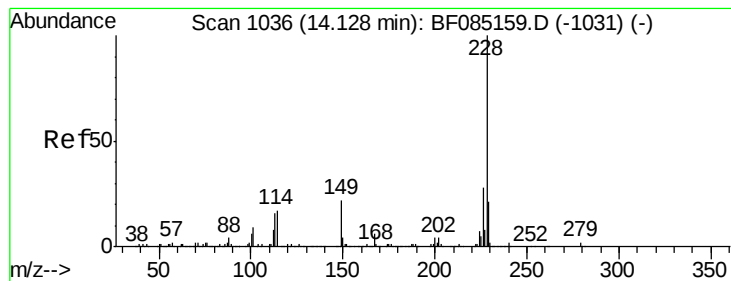
Tgt Ion:202 Resp: 88748
 Ion Ratio Lower Upper
 202 100
 200 21.5 18.2 27.4
 203 17.4 14.7 22.1



#78
 Terphenyl-d14
 Concen: 3.72 ng
 RT: 13.08 min Scan# 944
 Delta R.T. -0.01 min
 Lab File: BF085252.D
 Acq: 5 Mar 2016 14:11

Tgt Ion:244 Resp: 33015
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.4 9.6
 122 11.5 11.4 17.2





#80

Benzo(a)anthracene

Concen: 4.13 ng

RT: 14.12 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF085252.D

Acq: 5 Mar 2016 14:11

Instrument :

BNA_F

ClientSampleId :

SP-005(0-2)DL

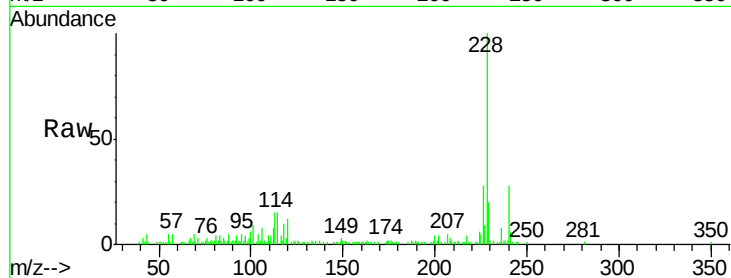
Tgt Ion:228 Resp: 50927

Ion Ratio Lower Upper

228 100

226 28.1 22.8 34.2

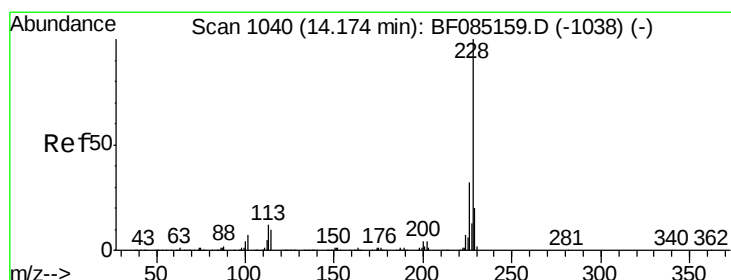
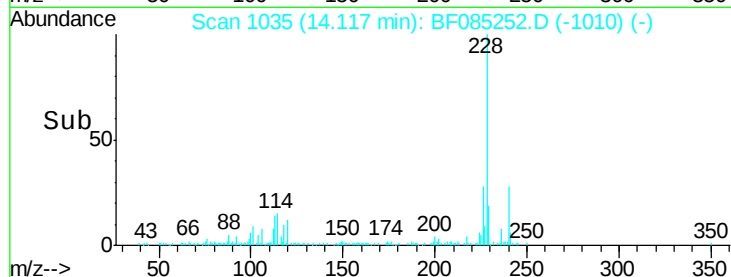
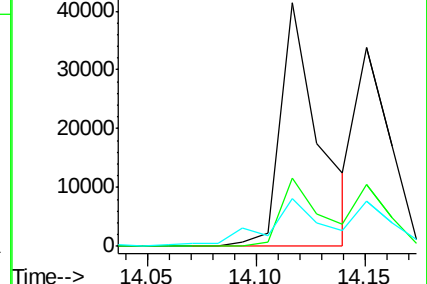
229 19.7 16.6 24.8



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: 4.47 ng

RT: 14.12 min Scan# 1035

Delta R.T. -0.06 min

Lab File: BF085252.D

Acq: 5 Mar 2016 14:11

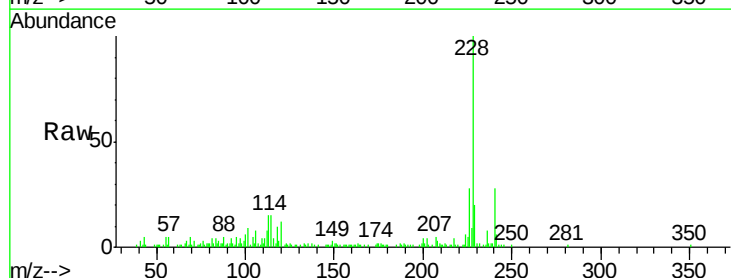
Tgt Ion:228 Resp: 50927

Ion Ratio Lower Upper

228 100

226 28.1 25.2 37.8

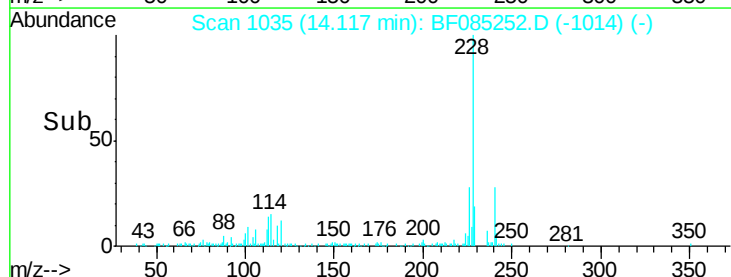
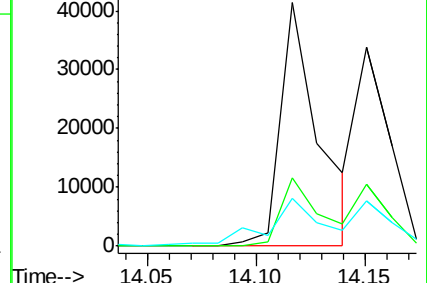
229 19.7 16.0 24.0

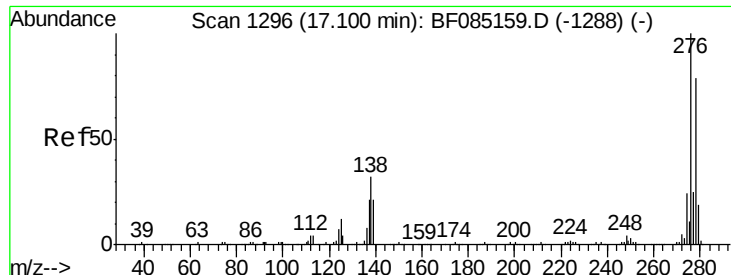


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

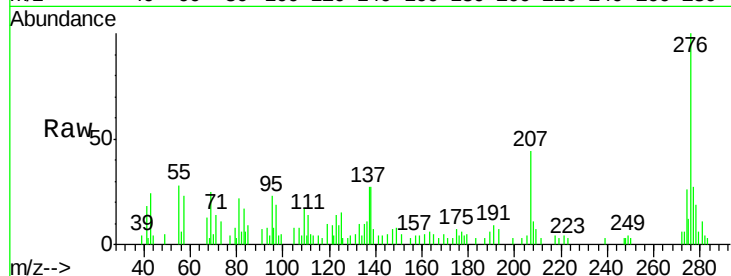




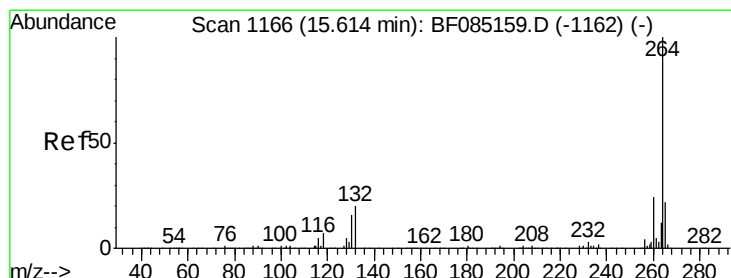
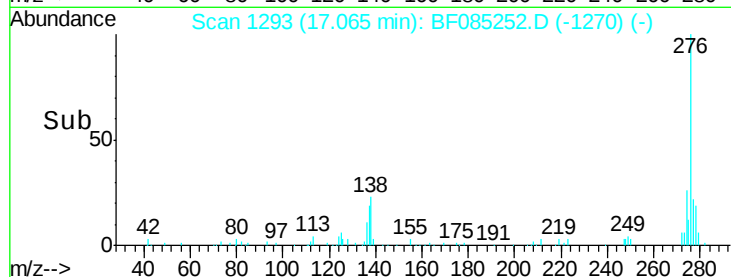
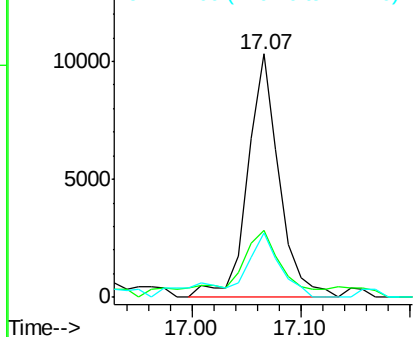
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.34 ng
 RT: 17.07 min Scan# 1293
 Delta R.T. -0.03 min
 Lab File: BF085252.D
 Acq: 5 Mar 2016 14:11

Instrument :
 BNA_F
 ClientSampleId :
 SP-005(0-2)DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	41.0	26.4	39.6#
277	26.2	20.2	30.2

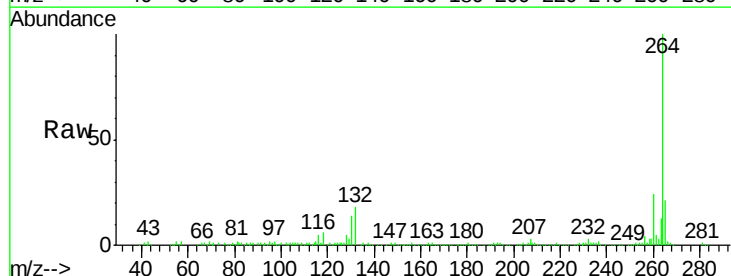


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

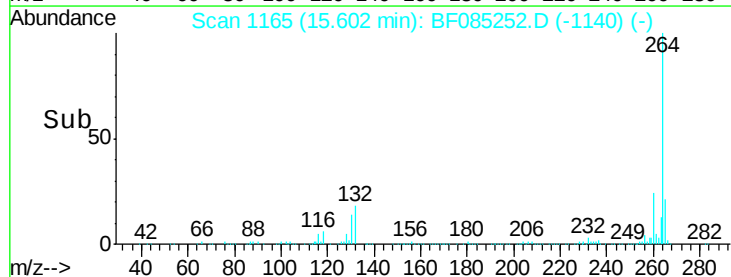
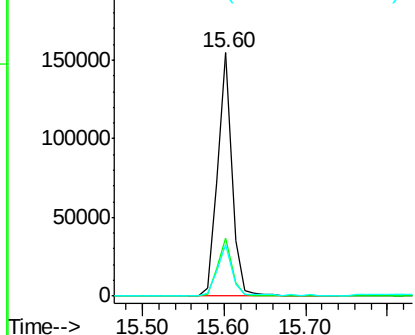


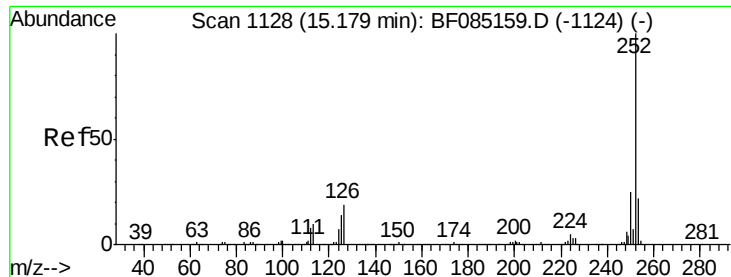
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.60 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: BF085252.D
 Acq: 5 Mar 2016 14:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.0	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

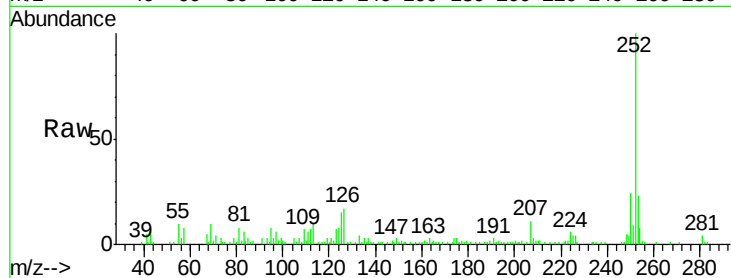




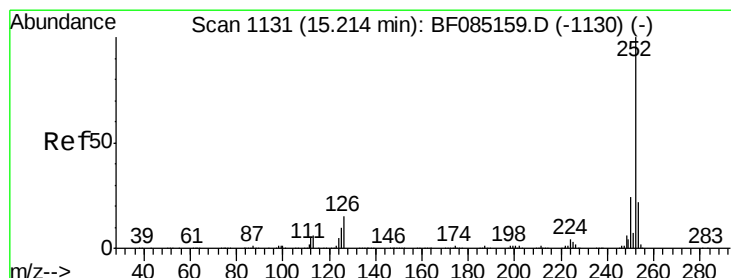
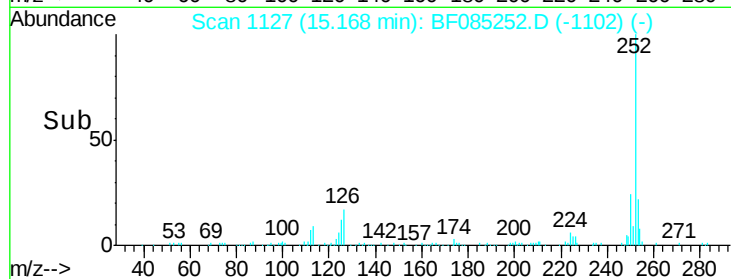
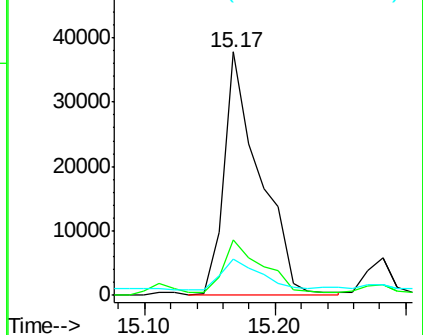
#87
Benzo(b)fluoranthene
Concen: 5.70 ng
RT: 15.17 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF085252.D
Acq: 5 Mar 2016 14:11

Instrument :
BNA_F
ClientSampleId :
SP-005(0-2)DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	14.8	11.3	16.9

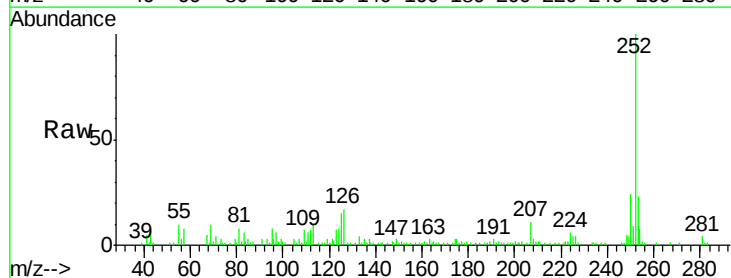


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

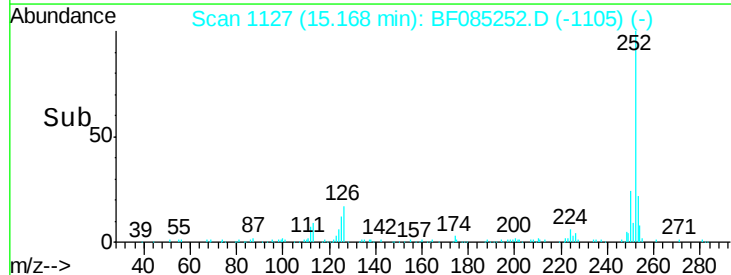
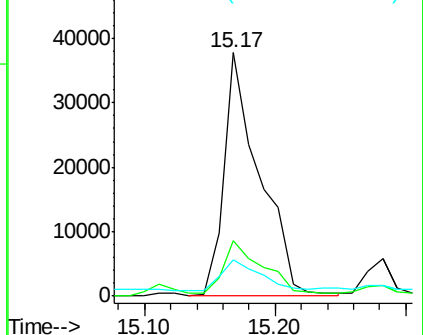


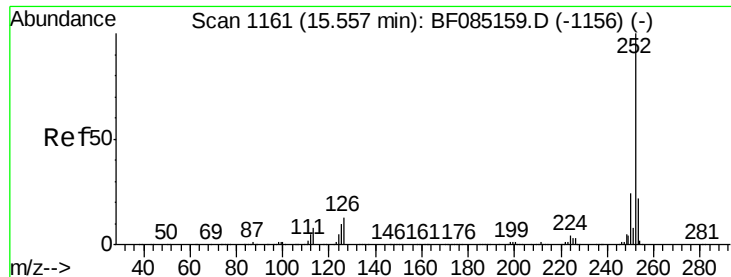
#88
Benzo(k)fluoranthene
Concen: 7.07 ng
RT: 15.17 min Scan# 1127
Delta R.T. -0.05 min
Lab File: BF085252.D
Acq: 5 Mar 2016 14:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	14.8	10.4	15.6



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: 3.06 ng

RT: 15.53 min Scan# 1159

Delta R.T. -0.02 min

Lab File: BF085252.D

Acq: 5 Mar 2016 14:11

Instrument :

BNA_F

ClientSampleId :

SP-005(0-2)DL

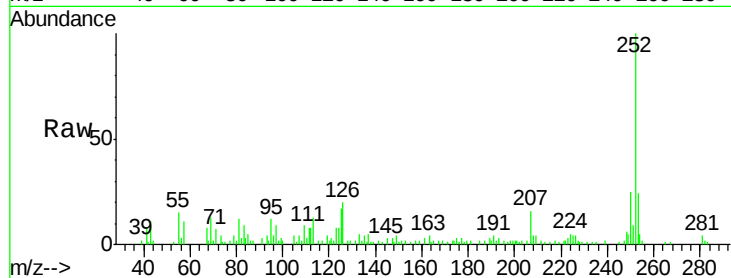
Tgt Ion:252 Resp: 32098

Ion Ratio Lower Upper

252 100

253 23.8 17.4 26.0

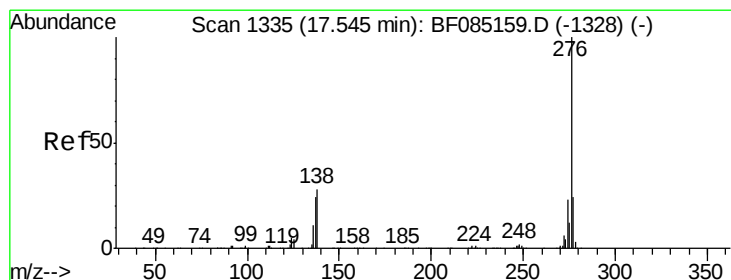
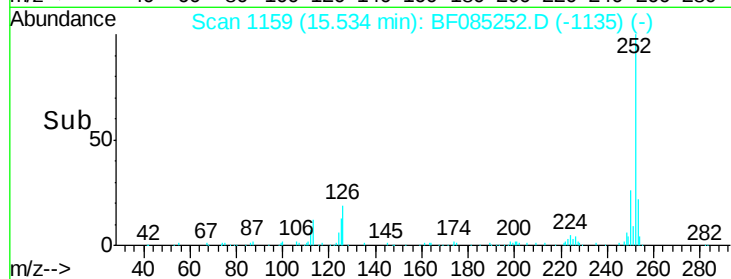
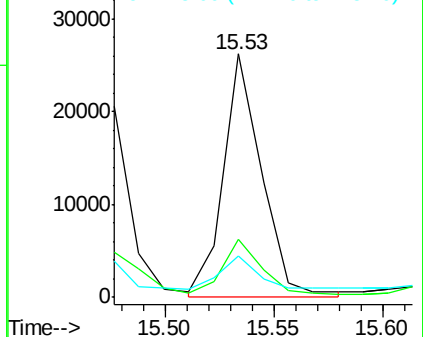
125 17.0 8.2 12.4#



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: 2.02 ng

RT: 17.51 min Scan# 1332

Delta R.T. -0.03 min

Lab File: BF085252.D

Acq: 5 Mar 2016 14:11

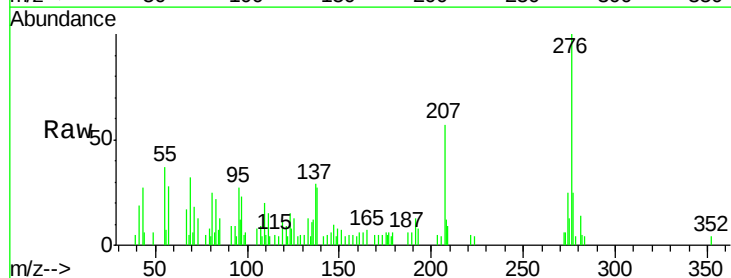
Tgt Ion:276 Resp: 18204

Ion Ratio Lower Upper

276 100

277 24.7 19.0 28.4

138 27.2 22.5 33.7



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

