

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031016\
 Data File : BF085344.D
 Acq On : 10 Mar 2016 20:28
 Operator : UM/SJ
 Sample : H1753-23
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 10 23:56:13 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	143549	20.00	ng	-0.05
21) Naphthalene-d8	8.22	136	520755	20.00	ng	-0.05
38) Acenaphthene-d10	9.98	164	196381	20.00	ng	-0.05
63) Phenanthrene-d10	11.46	188	313162	20.00	ng	-0.05
75) Chrysene-d12	14.11	240	241348	20.00	ng	-0.05
86) Perylene-d12	15.57	264	253392	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	988342	115.49	ng	-0.03
7) Phenol-d6	6.56	99	1076855	96.04	ng	-0.05
23) Nitrobenzene-d5	7.50	82	645667	66.35	ng	-0.05
41) 2,4,6-Tribromophenol	10.77	330	189371	112.70	ng	-0.05
44) 2-Fluorobiphenyl	9.30	172	1118020	86.58	ng	-0.05
78) Terphenyl-d14	13.05	244	741475	71.32	ng	-0.03

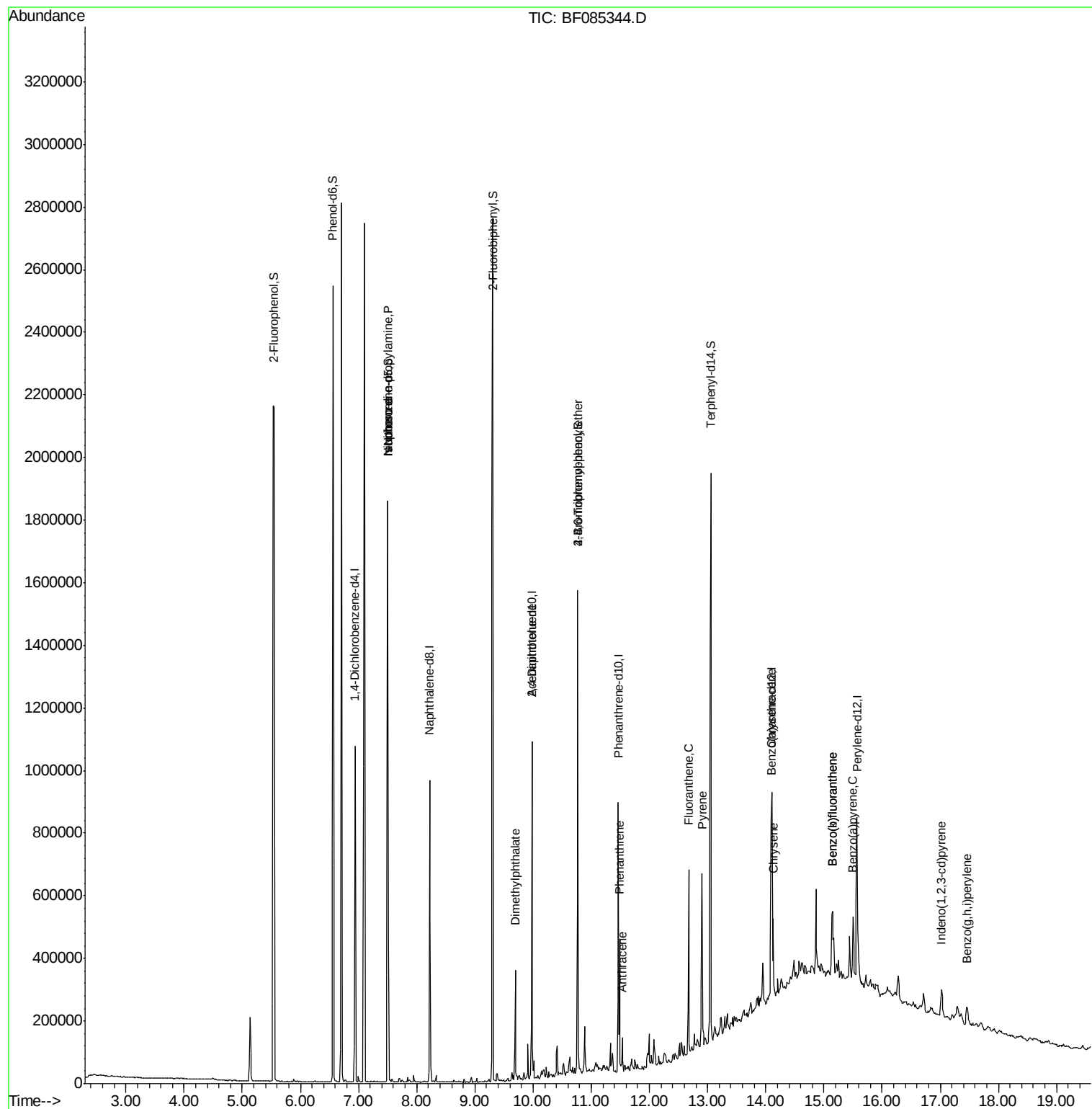
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.50	70	85311	11.67	ng	# 79
25) Isophorone	7.50	82	560240	31.07	ng	# 67
49) Dimethylphthalate	9.69	163	144093	9.56	ng	99
56) 2,4-Dinitrotoluene	9.98	165	25958	6.29	ng	# 21
66) 4-Bromophenyl-phenylether	10.77	248	13366	4.40	ng	# 1
70) Phenanthrene	11.49	178	151261	9.22	ng	97
71) Anthracene	11.53	178	42152	2.42	ng	96
74) Fluoranthene	12.68	202	225884	13.71	ng	97
77) Pyrene	12.90	202	227890	12.55	ng	97
80) Benzo(a)anthracene	14.09	228	134978	9.34	ng	99
82) Chrysene	14.13	228	77571	5.81	ng	96
85) Indeno(1,2,3-cd)pyrene	17.02	276	55098	5.29	ng	# 88
87) Benzo(b)fluoranthene	15.15	252	178523	10.57	ng	97
88) Benzo(k)fluoranthene	15.15	252	178523	13.10	ng	# 96
89) Benzo(a)pyrene	15.50	252	100042	7.15	ng	# 90
91) Benzo(g,h,i)perylene	17.47	276	51575	4.29	ng	97

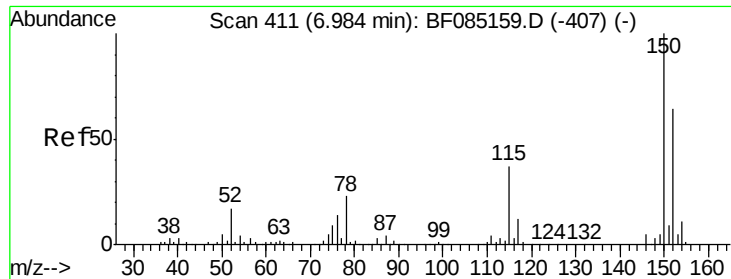
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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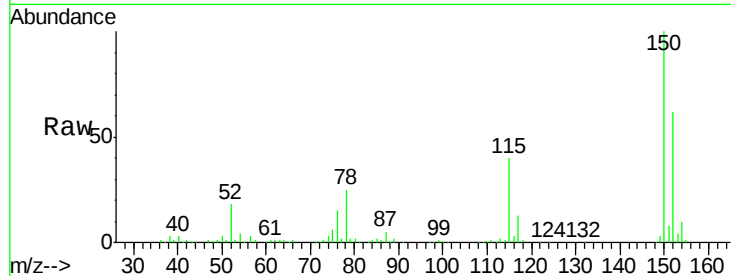


#1

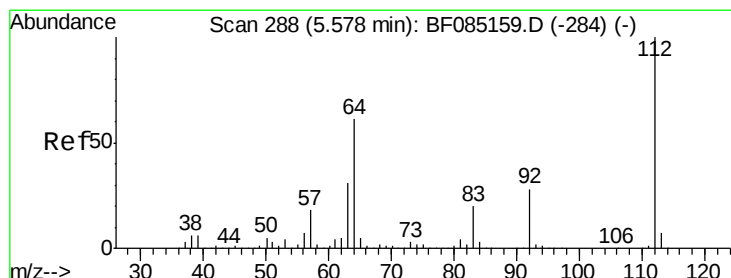
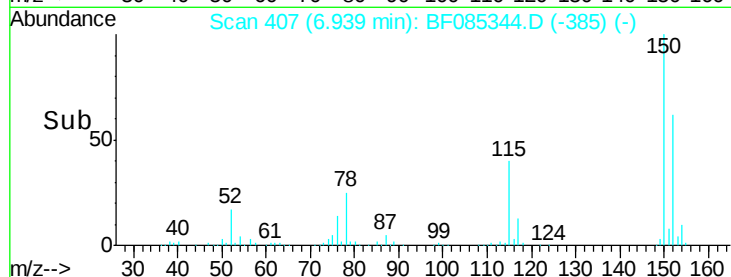
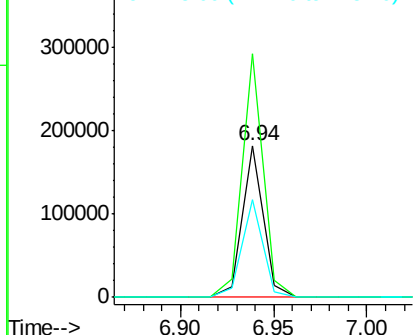
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.94 min Scan# 407
Delta R.T. -0.05 min
Lab File: BF085344.D
Acq: 10 Mar 2016 20:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.7	124.6	186.8
115	64.3	46.6	70.0



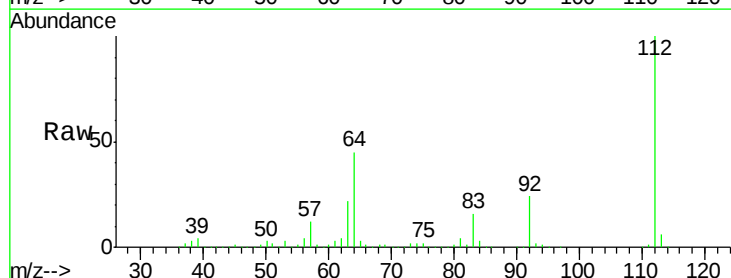
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



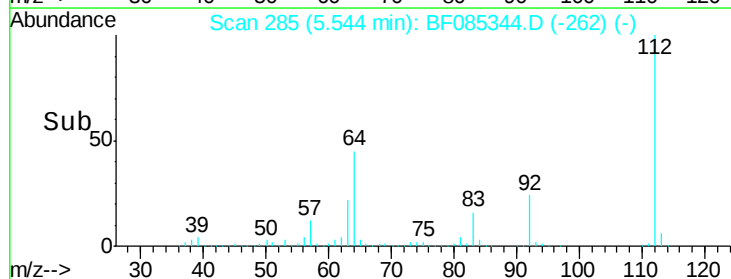
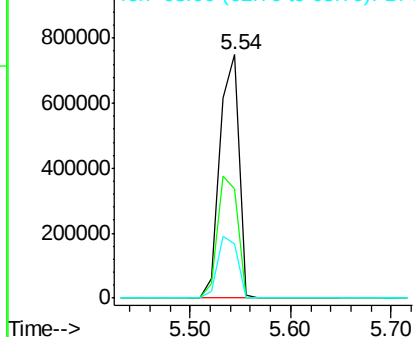
#5

2-Fluorophenol
Concen: 115.49 ng
RT: 5.54 min Scan# 285
Delta R.T. -0.03 min
Lab File: BF085344.D
Acq: 10 Mar 2016 20:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.8	49.0	73.4#
63	22.2	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: 96.04 ng

RT: 6.56 min Scan# 374

Delta R.T. -0.05 min

Lab File: BF085344.D

Acq: 10 Mar 2016 20:28

Instrument :

BNA_F

ClientSampleId :

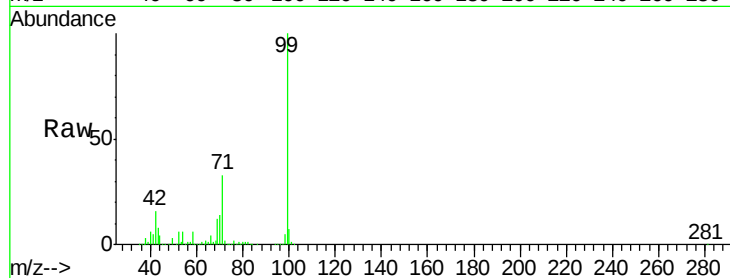
Tot Ion: 99 Resp: 1076855

Ion Ratio Lower Upper

99 100

42 15.8 13.6 20.4

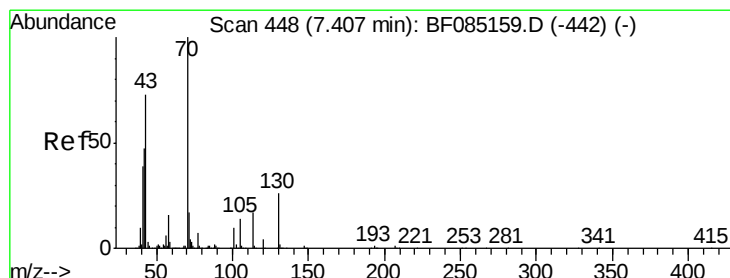
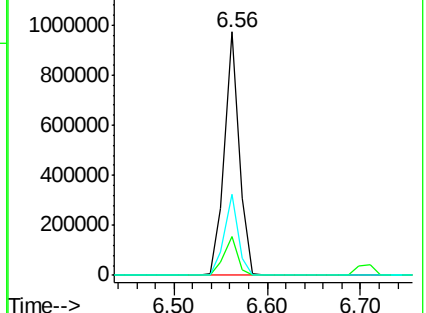
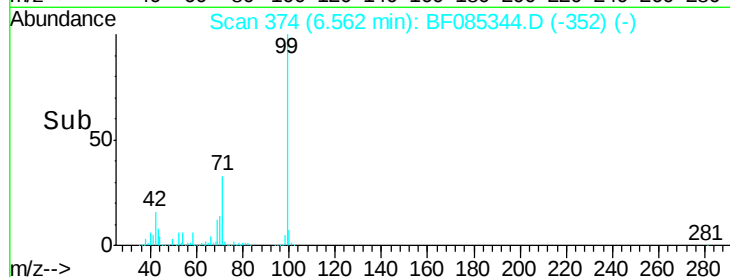
71 33.2 26.7 40.1



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.67 ng

RT: 7.50 min Scan# 456

Delta R.T. 0.09 min

Lab File: BF085344.D

Acq: 10 Mar 2016 20:28

Tgt Ion: 70 Resp: 85311

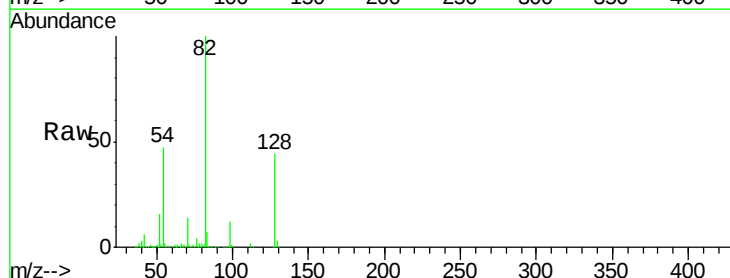
Ion Ratio Lower Upper

70 100

42 43.5 37.7 56.5

101 0.0 8.2 12.4#

130 2.2 20.5 30.7#

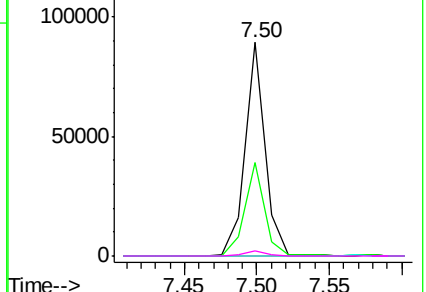
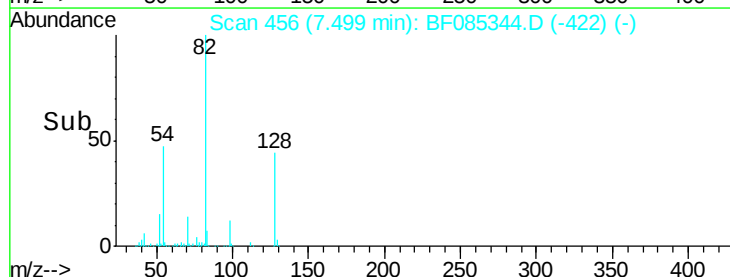


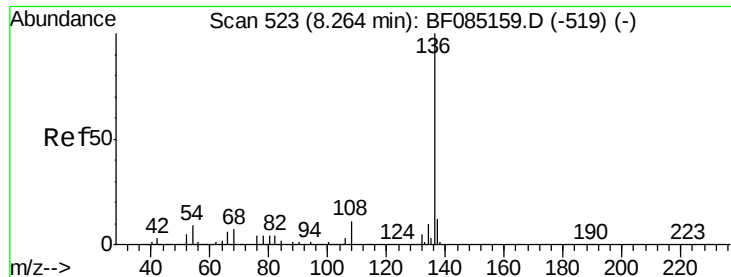
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

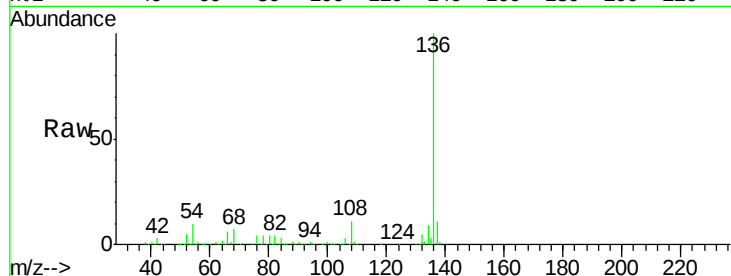




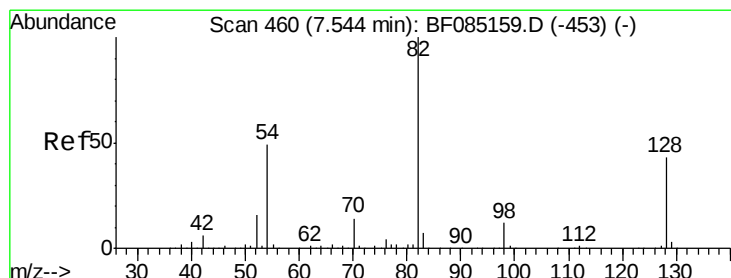
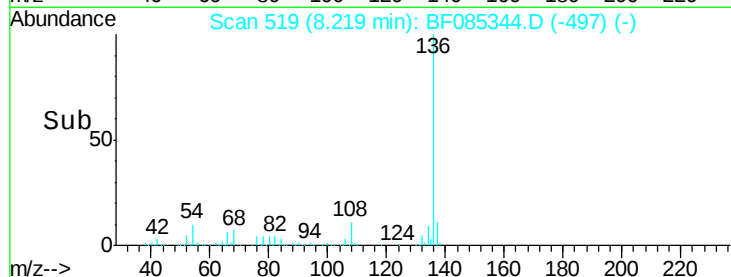
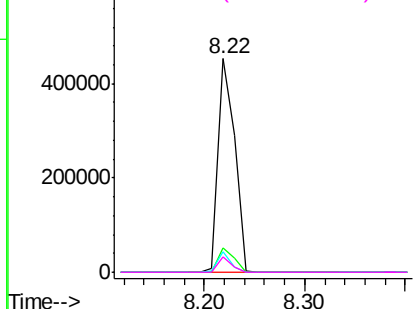
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.22 min Scan# 519
Delta R.T. -0.05 min
Lab File: BF085344.D
Acq: 10 Mar 2016 20:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	520755
Ion	Ratio	Lower Upper
136	100	
137	11.4	9.3 13.9
54	9.6	7.4 11.2
68	7.4	6.0 9.0

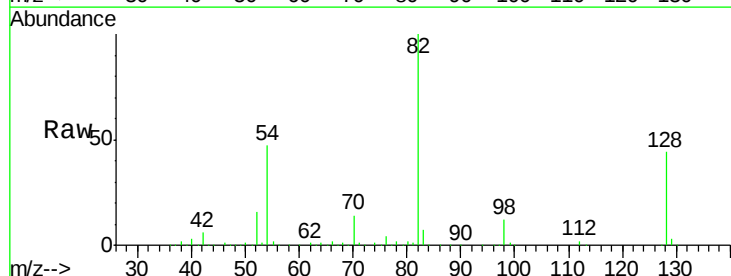


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

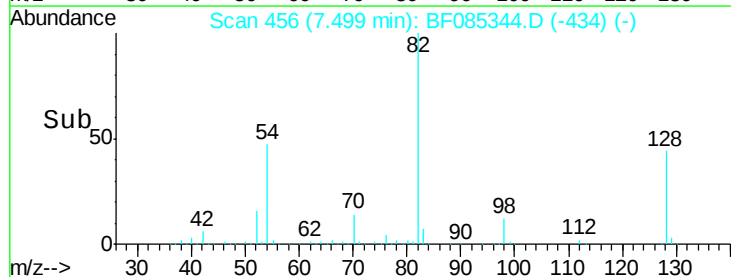
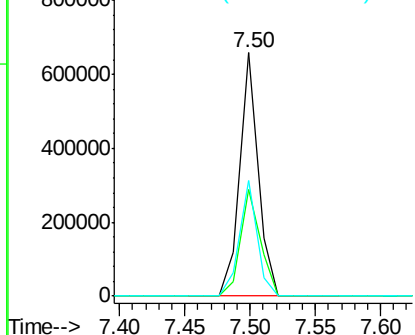


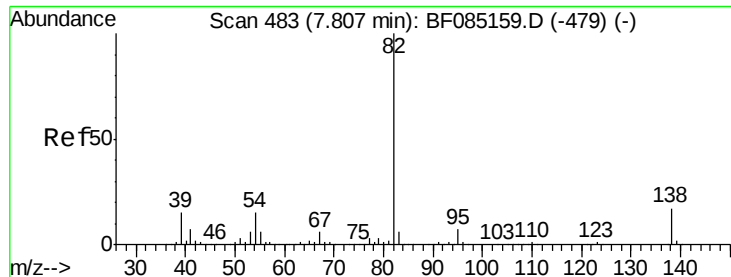
#23
Nitrobenzene-d5
Concen: 66.35 ng
RT: 7.50 min Scan# 456
Delta R.T. -0.05 min
Lab File: BF085344.D
Acq: 10 Mar 2016 20:28

Tgt Ion: 82	Resp:	645667
Ion	Ratio	Lower Upper
82	100	
128	43.6	34.5 51.7
54	47.3	39.3 58.9



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 31.07 ng

RT: 7.50 min Scan# 456

Delta R.T. -0.31 min

Lab File: BF085344.D

Acq: 10 Mar 2016 20:28

Instrument :

BNA_F

ClientSampled :

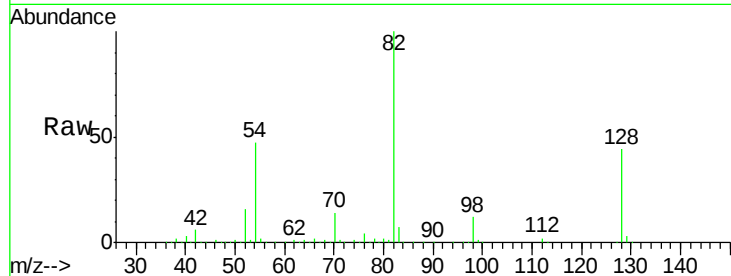
Tot Ion: 82 Resp: 560240

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

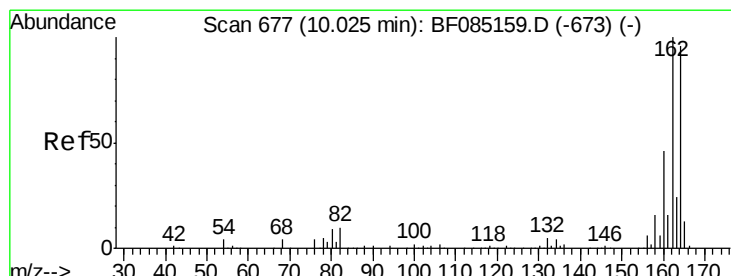
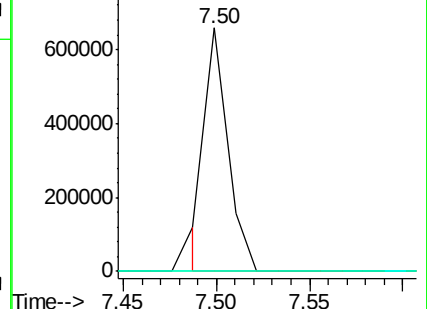
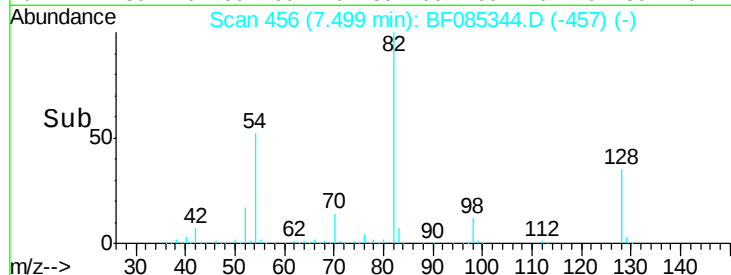
138 0.0 13.3 19.9#



Abundance Ion 82.00 (81.70 to 82.70): BF085159.D (-479) (-)

Ion 95.00 (94.70 to 95.70): BF085159.D (-479) (-)

Ion 138.00 (137.70 to 138.70): BF085159.D (-479) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.98 min Scan# 673

Delta R.T. -0.05 min

Lab File: BF085344.D

Acq: 10 Mar 2016 20:28

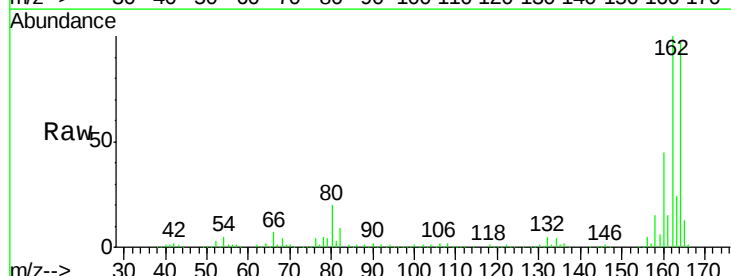
Tgt Ion:164 Resp: 196381

Ion Ratio Lower Upper

164 100

162 103.0 83.3 124.9

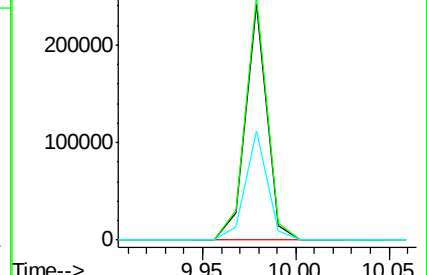
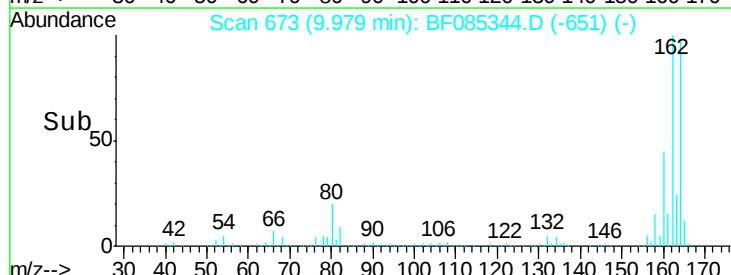
160 45.9 37.9 56.9

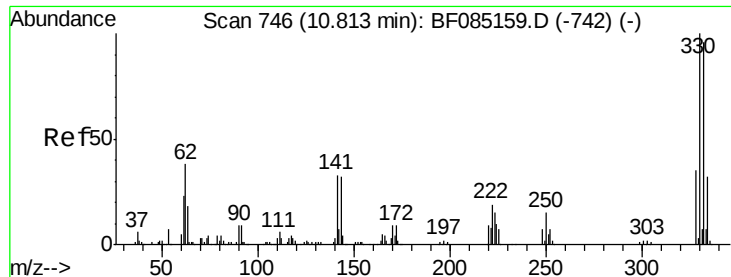


Abundance Ion 164.00 (163.70 to 164.70): BF085159.D (-673) (-)

Ion 162.00 (161.70 to 162.70): BF085159.D (-673) (-)

Ion 160.00 (159.70 to 160.70): BF085159.D (-673) (-)

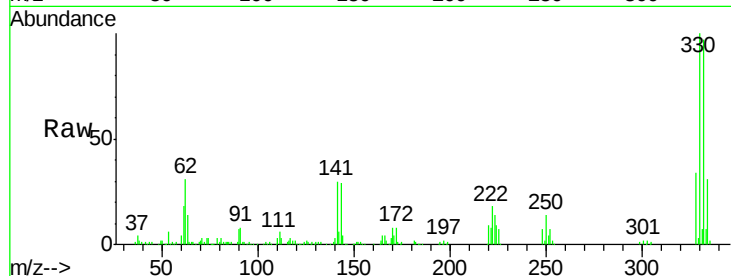




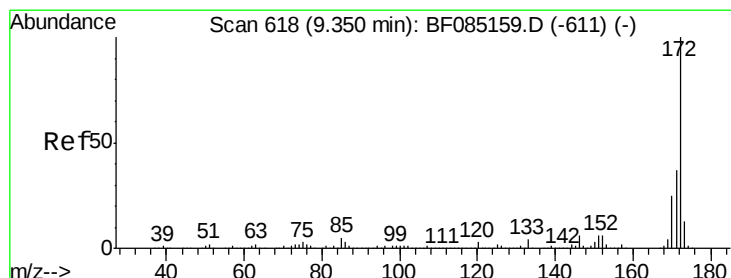
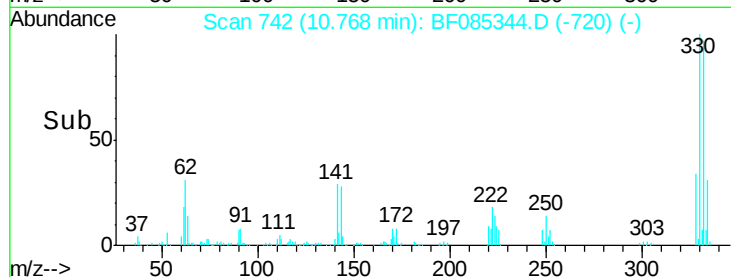
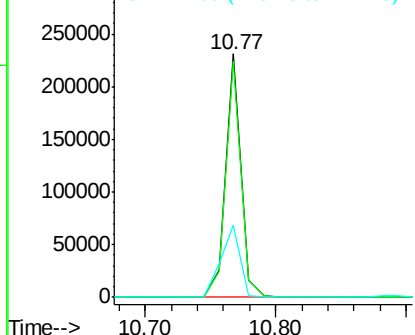
#41
 2,4,6-Tribromophenol
 Concen: 112.70 ng
 RT: 10.77 min Scan# 742
 Delta R.T. -0.05 min
 Lab File: BF085344.D
 Acq: 10 Mar 2016 20:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.1	115.7
141	38.3	35.0	52.6

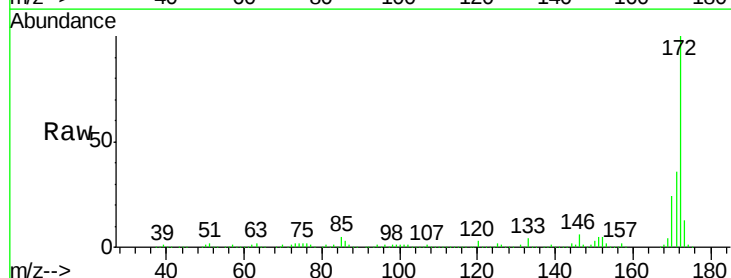


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

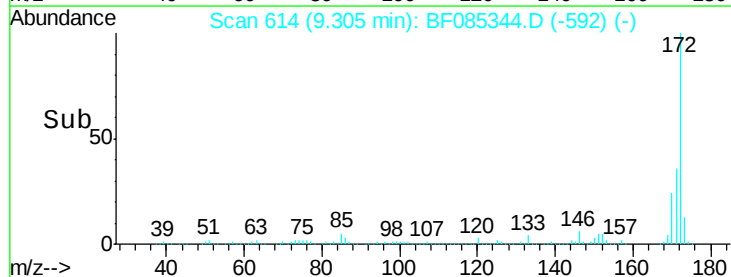
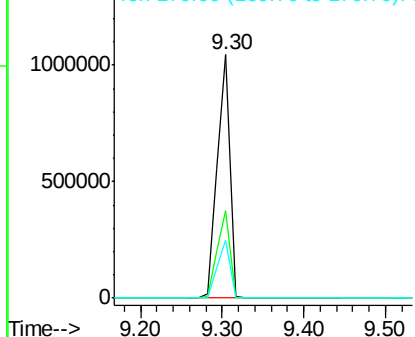


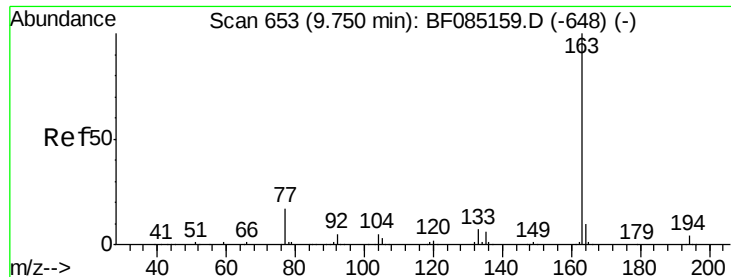
#44
 2-Fluorobiphenyl
 Concen: 86.58 ng
 RT: 9.30 min Scan# 614
 Delta R.T. -0.05 min
 Lab File: BF085344.D
 Acq: 10 Mar 2016 20:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.3	43.9
170	23.9	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: 9.56 ng

RT: 9.69 min Scan# 648

Delta R.T. -0.06 min

Lab File: BF085344.D

Acq: 10 Mar 2016 20:28

Instrument :

BNA_F

ClientSampleId :

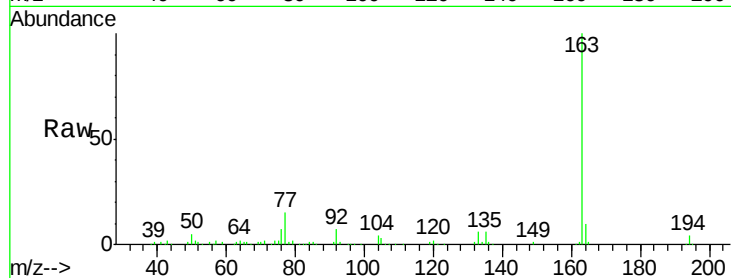
Tot Ion:163 Resp: 144093

Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

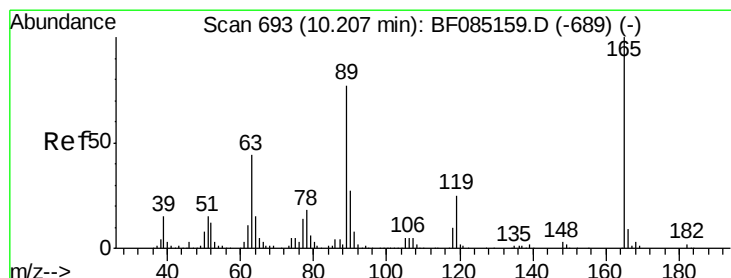
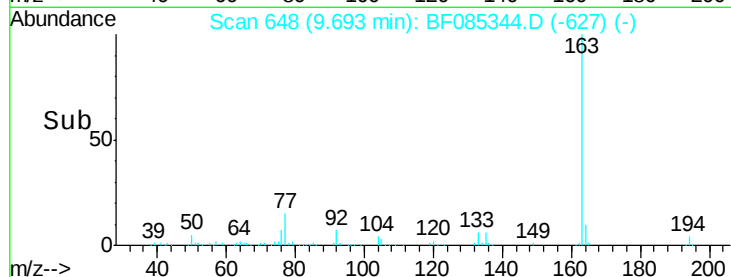
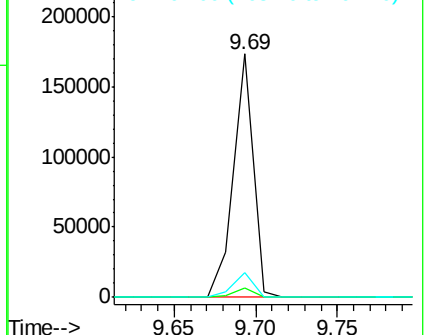
164 9.9 8.2 12.4



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: 6.29 ng

RT: 9.98 min Scan# 673

Delta R.T. -0.23 min

Lab File: BF085344.D

Acq: 10 Mar 2016 20:28

Tgt Ion:165 Resp: 25958

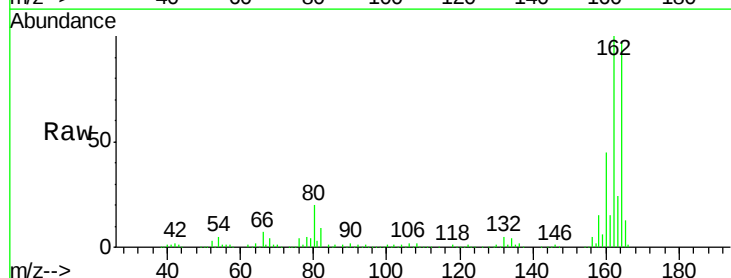
Ion Ratio Lower Upper

165 100

63 1.3 35.4 53.0#

89 1.2 61.9 92.9#

182 0.0 1.9 2.9#

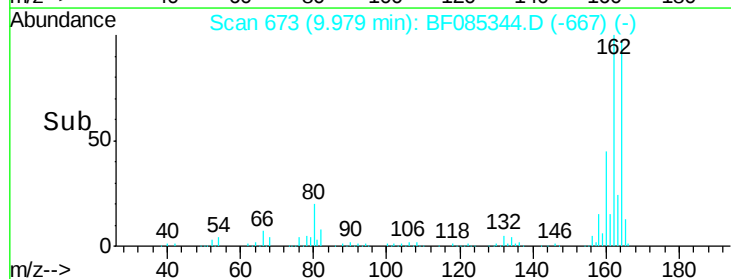
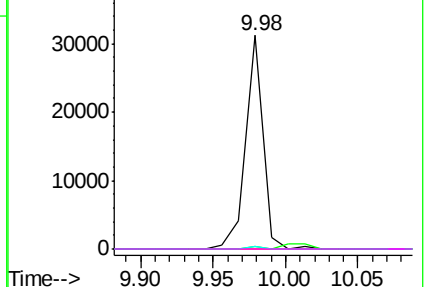


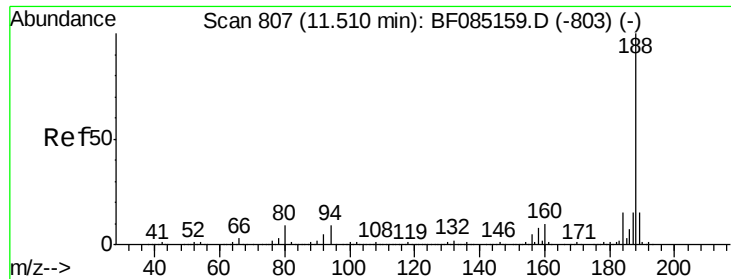
Abundance Ion 165.00 (164.70 to 165.70): E

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

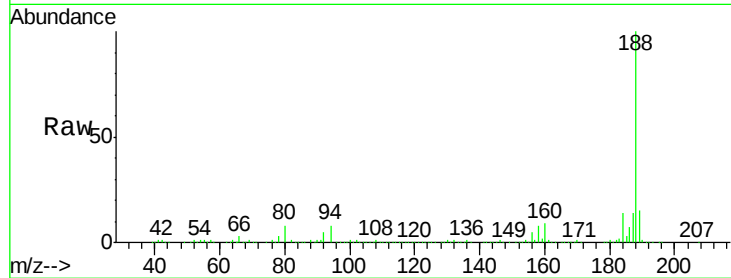




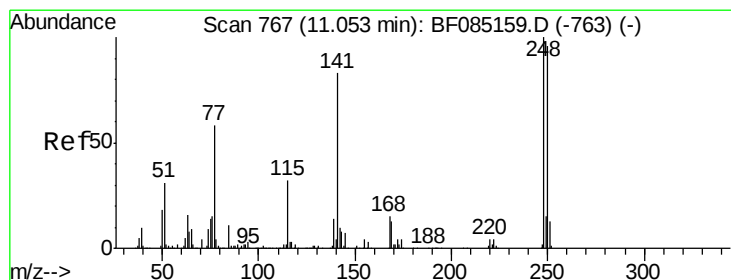
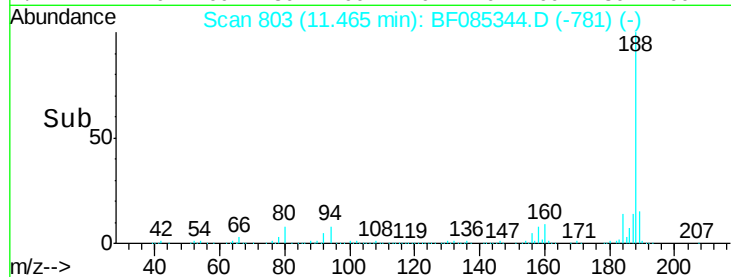
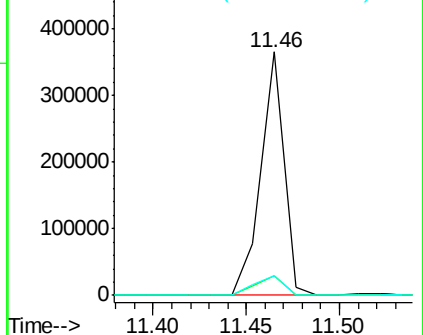
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 803
Delta R.T. -0.05 min
Lab File: BF085344.D
Acq: 10 Mar 2016 20:28

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 313162
Ion Ratio Lower Upper
188 100
94 7.8 7.0 10.6
80 8.2 7.4 11.0

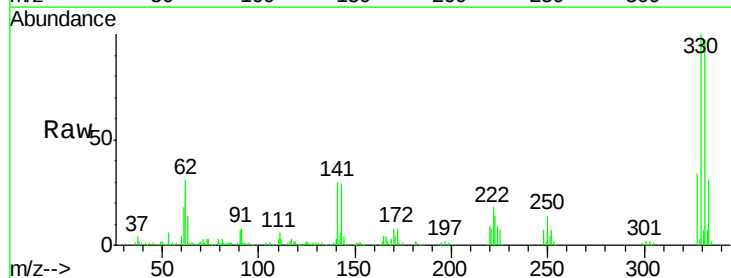


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

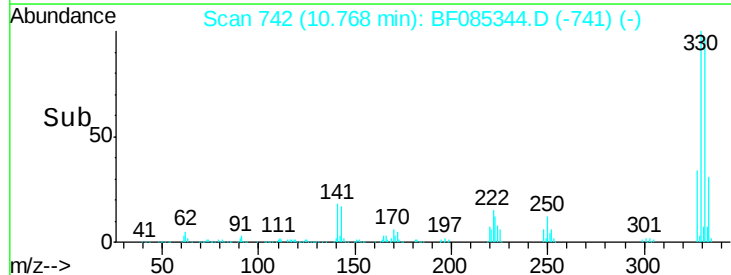
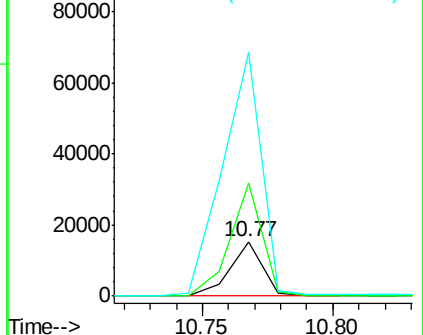


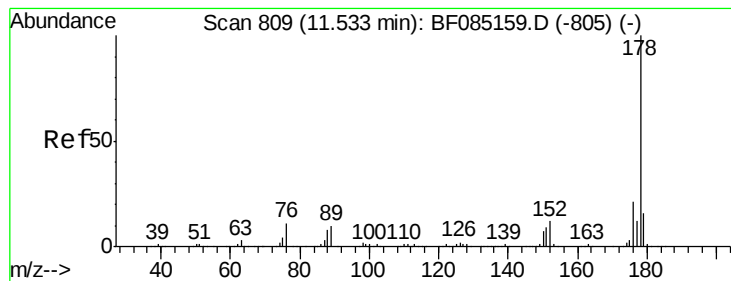
#66
4-Bromophenyl-phenylether
Concen: 4.40 ng
RT: 10.77 min Scan# 742
Delta R.T. -0.29 min
Lab File: BF085344.D
Acq: 10 Mar 2016 20:28

Tgt Ion:248 Resp: 13366
Ion Ratio Lower Upper
248 100
250 205.9 77.1 115.7#
141 445.8 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: 9.22 ng

RT: 11.49 min Scan# 805

Delta R.T. -0.05 min

Lab File: BF085344.D

Acq: 10 Mar 2016 20:28

Instrument :

BNA_F

ClientSampled :

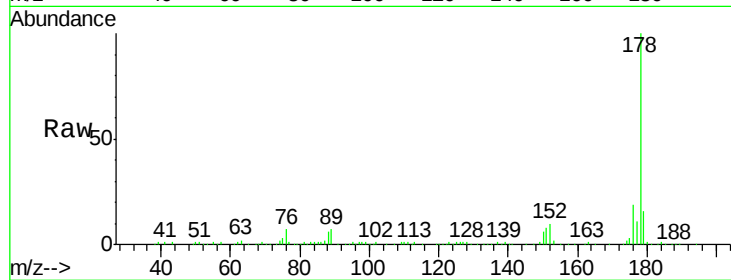
Tot Ion:178 Resp: 151261

Ion Ratio Lower Upper

178 100

176 19.3 16.8 25.2

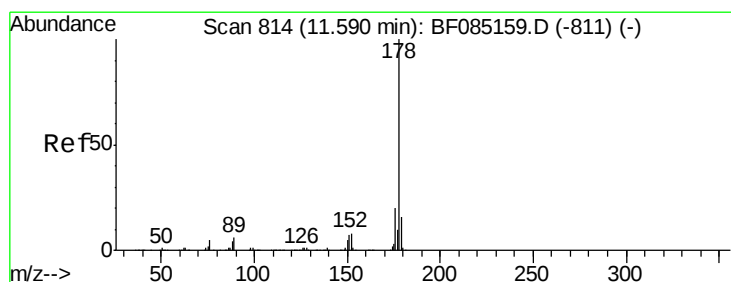
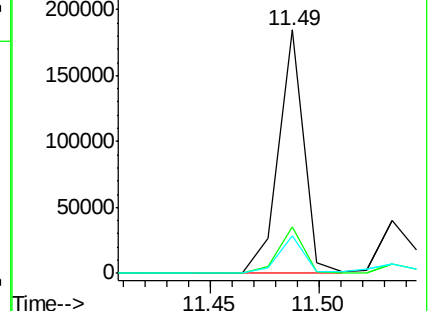
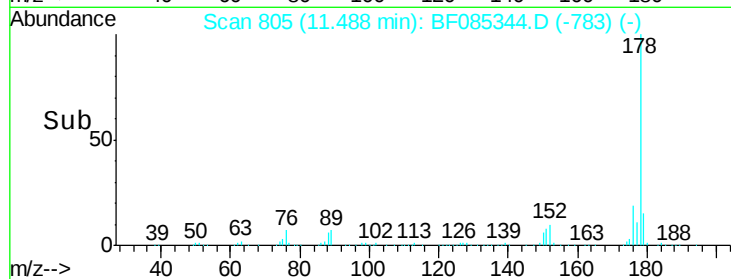
179 15.6 13.1 19.7



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



#71

Anthracene

Concen: 2.42 ng

RT: 11.53 min Scan# 809

Delta R.T. -0.06 min

Lab File: BF085344.D

Acq: 10 Mar 2016 20:28

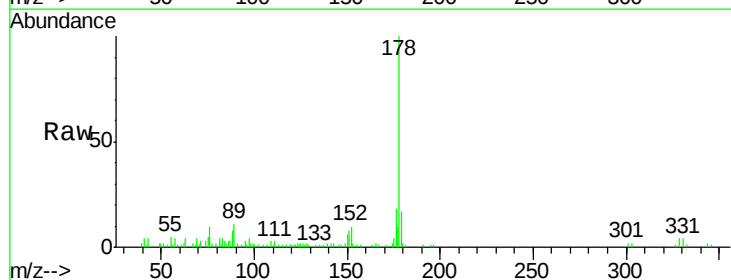
Tgt Ion:178 Resp: 42152

Ion Ratio Lower Upper

178 100

176 17.7 15.9 23.9

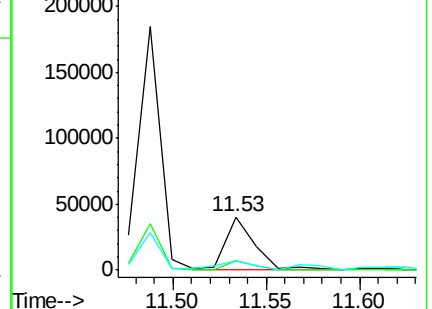
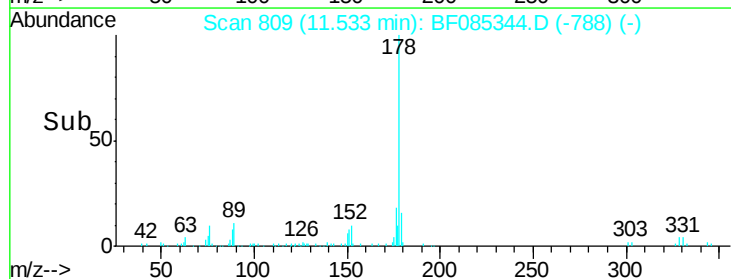
179 16.6 12.5 18.7

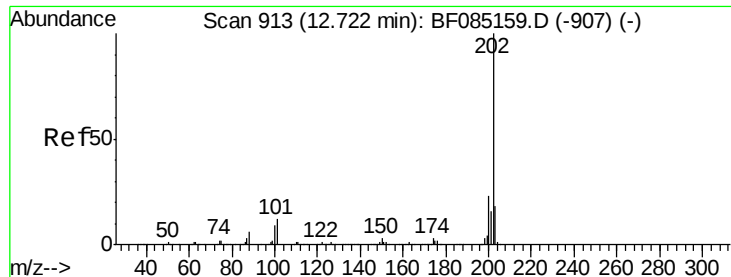


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 13.71 ng

RT: 12.68 min Scan# 909

Delta R.T. -0.05 min

Lab File: BF085344.D

Acq: 10 Mar 2016 20:28

Instrument :

BNA_F

ClientSampleId :

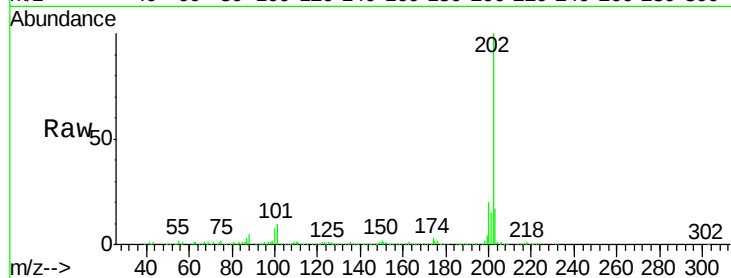
Tot Ion:202 Resp: 225884

Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.8

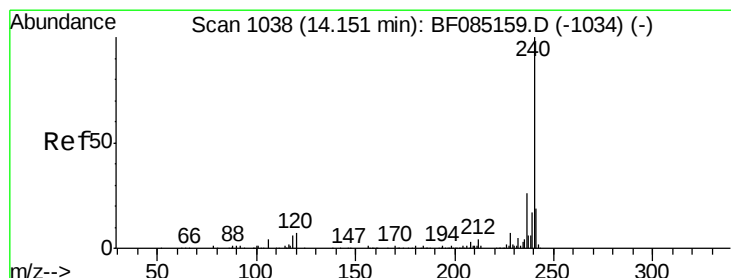
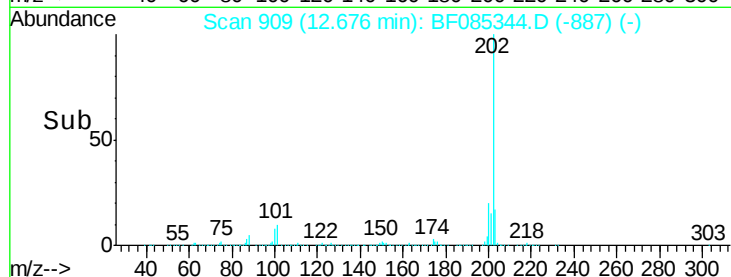
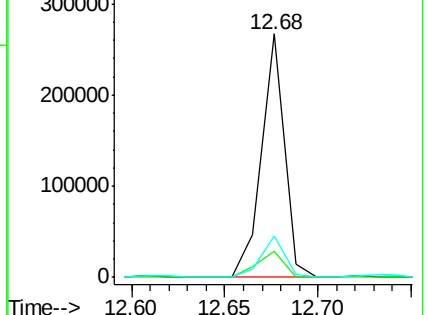
203 17.1 0.0 38.4



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: 14.11 min Scan# 1034

Delta R.T. -0.05 min

Lab File: BF085344.D

Acq: 10 Mar 2016 20:28

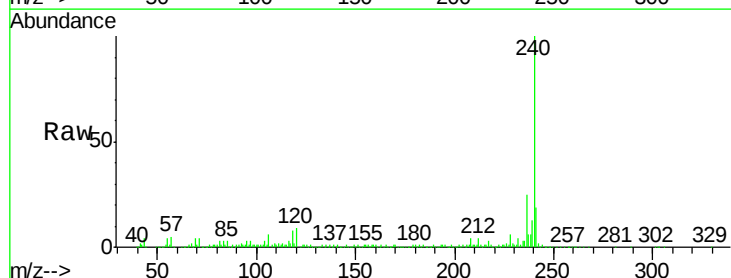
Tgt Ion:240 Resp: 241348

Ion Ratio Lower Upper

240 100

120 9.1 5.3 7.9#

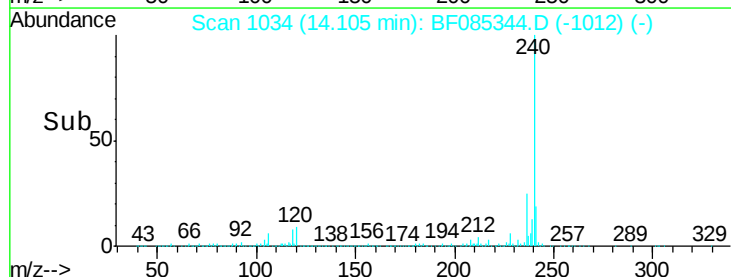
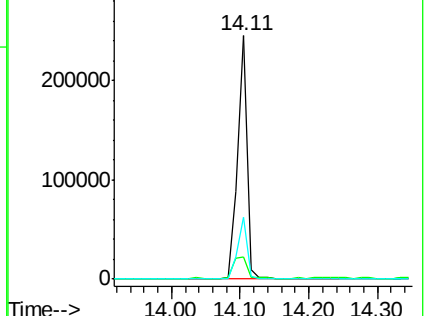
236 25.2 20.7 31.1

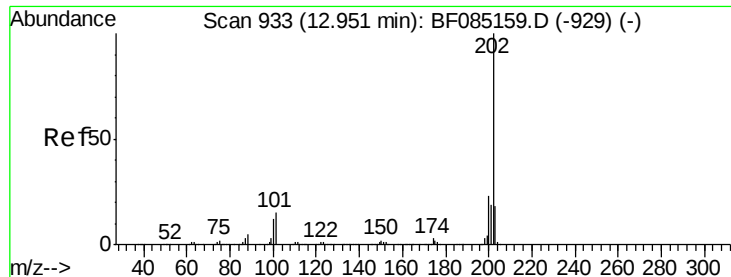


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

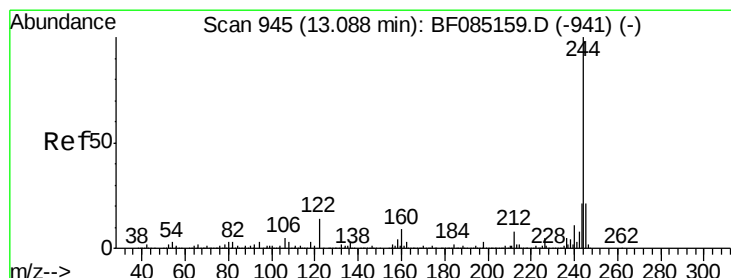
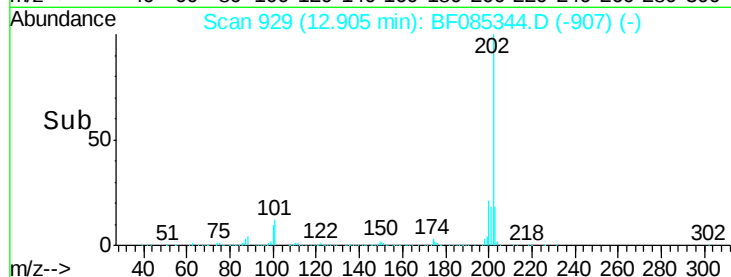
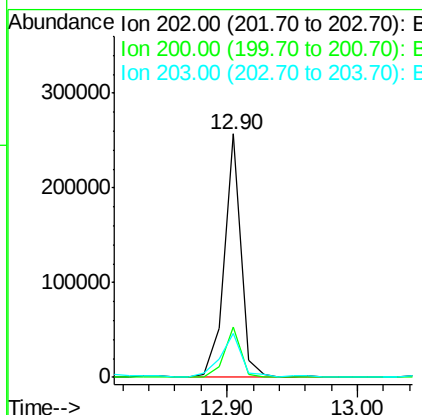
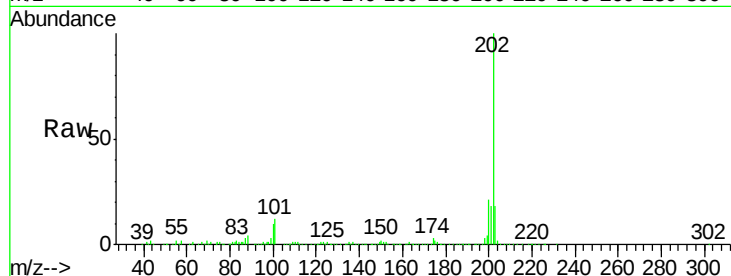




#77
Pvrene
Concen: 12.55 ng
RT: 12.90 min Scan# 929
Delta R.T. -0.05 min
Lab File: BF085344.D
Acq: 10 Mar 2016 20:28

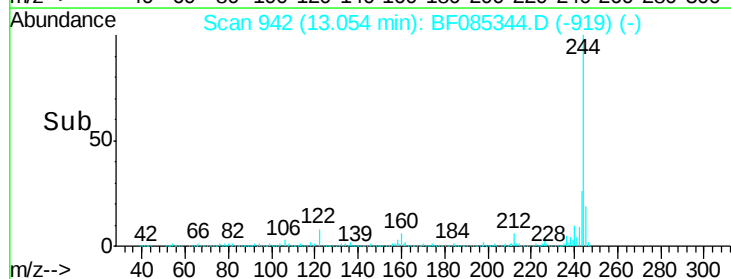
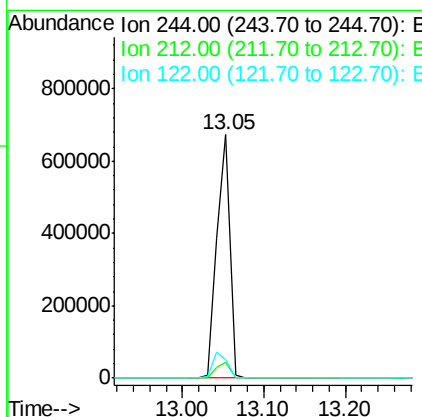
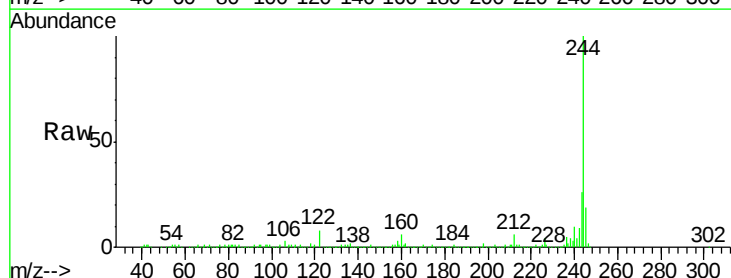
Instrument :
BNA_F
ClientSampleId :

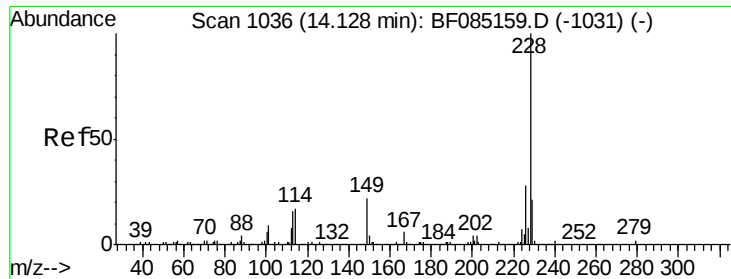
Tot Ion:202 Resp: 227890
Ion Ratio Lower Upper
202 100
200 20.8 18.2 27.4
203 18.1 14.7 22.1



#78
Terphenyl-d14
Concen: 71.32 ng
RT: 13.05 min Scan# 942
Delta R.T. -0.03 min
Lab File: BF085344.D
Acq: 10 Mar 2016 20:28

Tgt Ion:244 Resp: 741475
Ion Ratio Lower Upper
244 100
212 6.4 6.4 9.6
122 7.7 11.4 17.2#





#80

Benzo(a)anthracene

Concen: 9.34 ng

RT: 14.09 min Scan# 1033

Delta R.T. -0.03 min

Lab File: BF085344.D

Acq: 10 Mar 2016 20:28

Instrument :

BNA_F

ClientSampled :

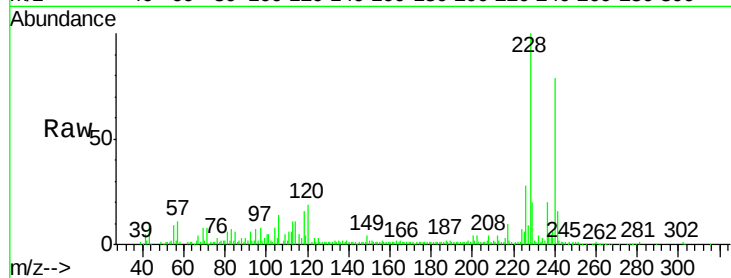
Tot Ion:228 Resp: 134978

Ion Ratio Lower Upper

228 100

226 28.5 22.8 34.2

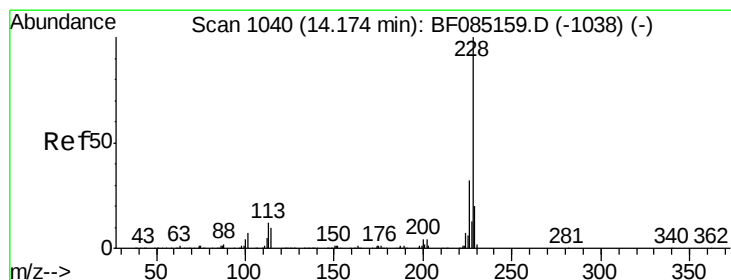
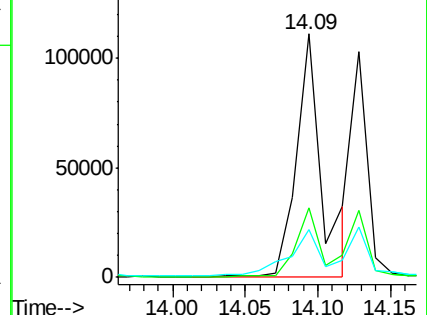
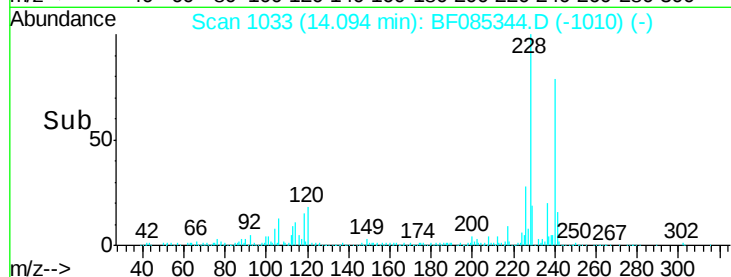
229 19.6 16.6 24.8



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: 5.81 ng

RT: 14.13 min Scan# 1036

Delta R.T. -0.05 min

Lab File: BF085344.D

Acq: 10 Mar 2016 20:28

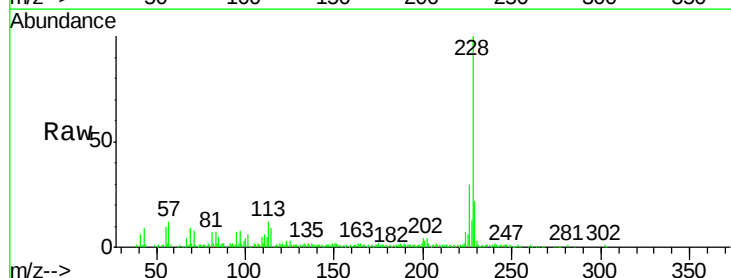
Tgt Ion:228 Resp: 77571

Ion Ratio Lower Upper

228 100

226 29.8 25.2 37.8

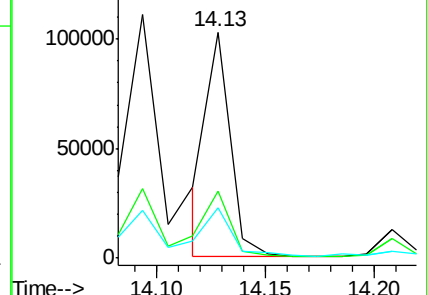
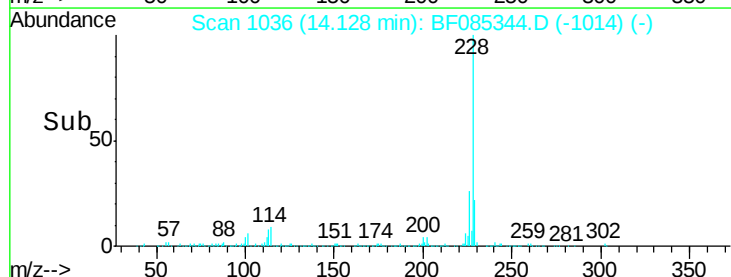
229 22.4 16.0 24.0

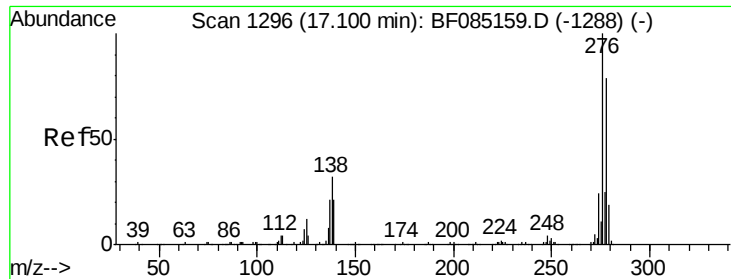


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

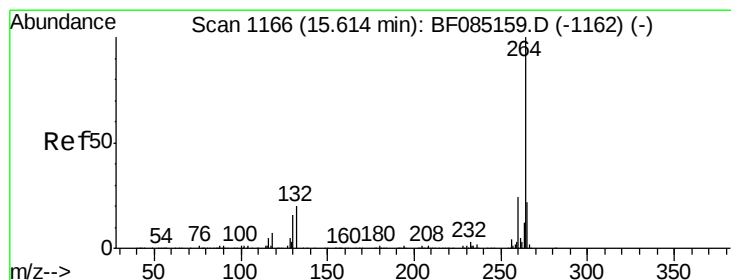
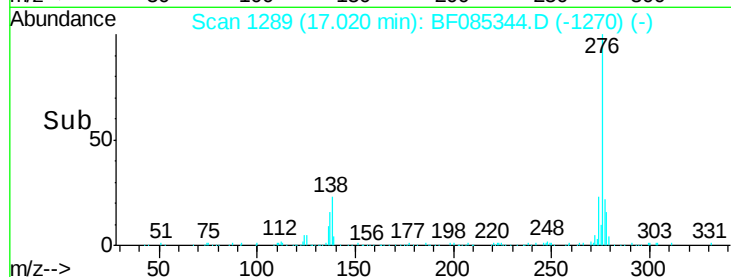
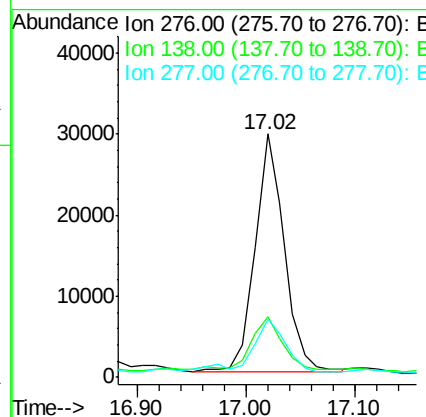
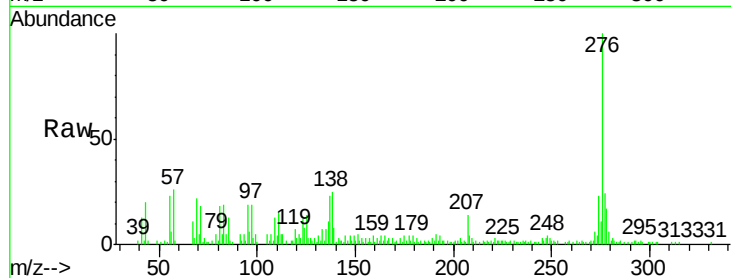




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.29 ng
 RT: 17.02 min Scan# 1289
 Delta R.T. -0.08 min
 Lab File: BF085344.D
 Acq: 10 Mar 2016 20:28

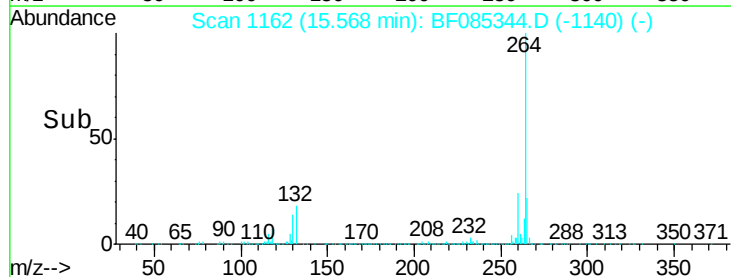
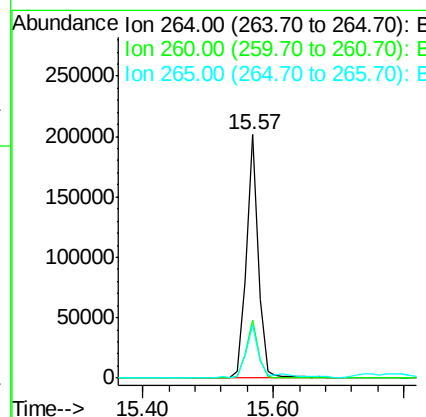
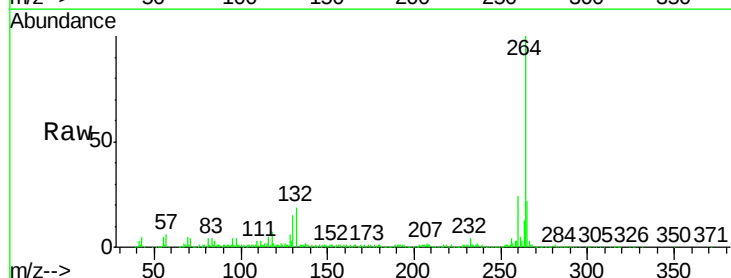
Instrument :
 BNA_F
 ClientSampleId :

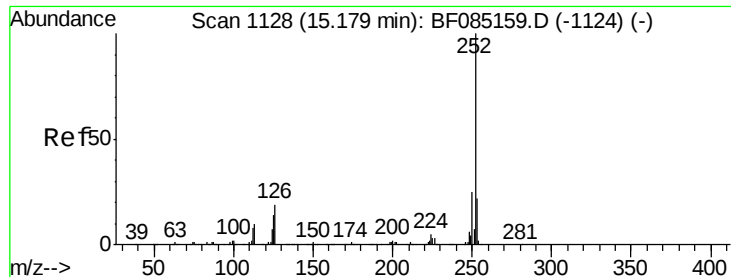
Tot Ion	Ratio	Lower	Upper
276	100		
138	24.0	26.4	39.6
277	28.4	20.2	30.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.57 min Scan# 1162
 Delta R.T. -0.05 min
 Lab File: BF085344.D
 Acq: 10 Mar 2016 20:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.8	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 10.57 ng

RT: 15.15 min Scan# 1125

Delta R.T. -0.03 min

Lab File: BF085344.D

Acq: 10 Mar 2016 20:28

Instrument :

BNA_F

ClientSampleId :

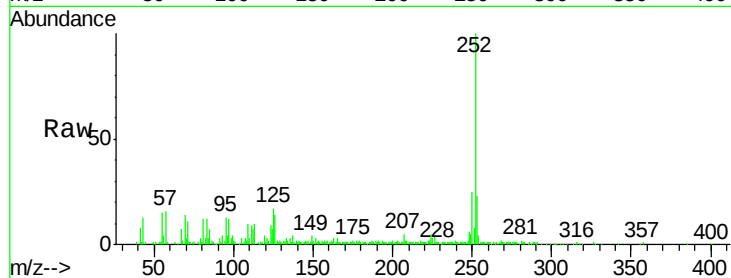
Tot Ion:252 Resp: 178523

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

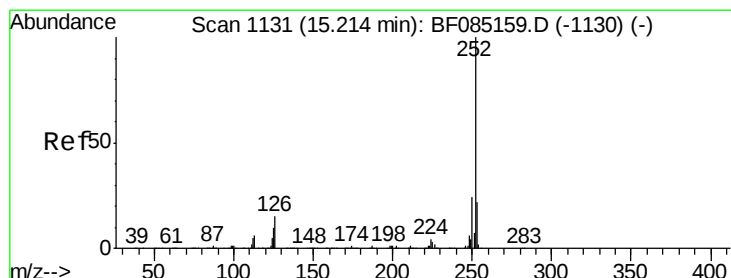
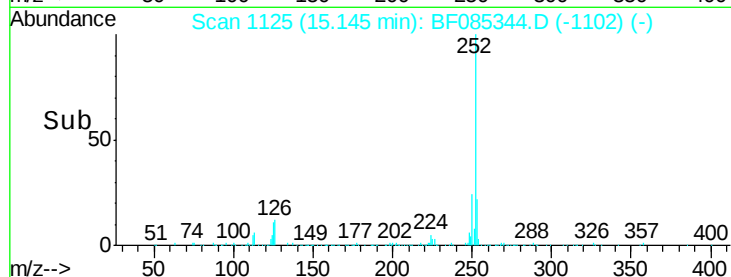
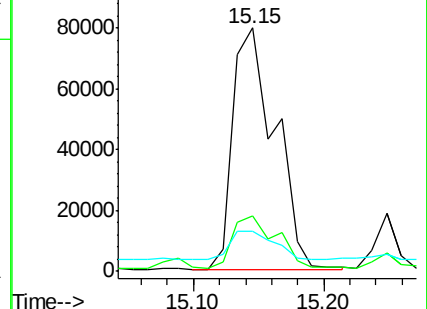
125 16.7 11.3 16.9



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: 13.10 ng

RT: 15.15 min Scan# 1125

Delta R.T. -0.07 min

Lab File: BF085344.D

Acq: 10 Mar 2016 20:28

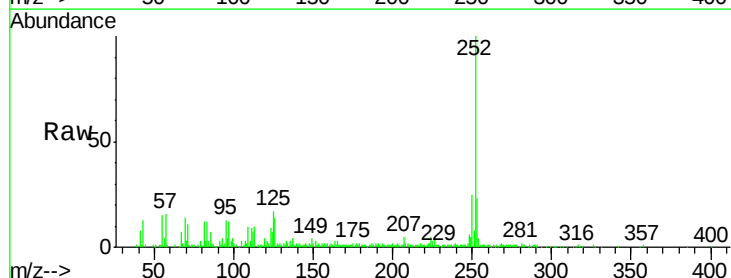
Tgt Ion:252 Resp: 178523

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

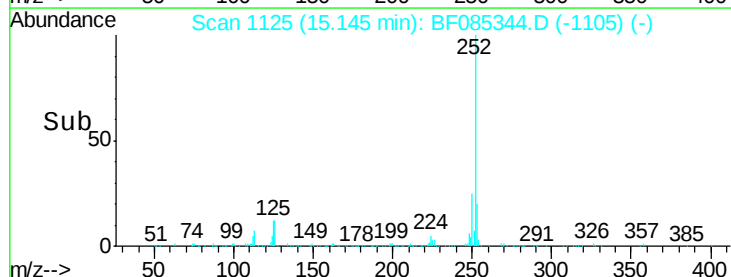
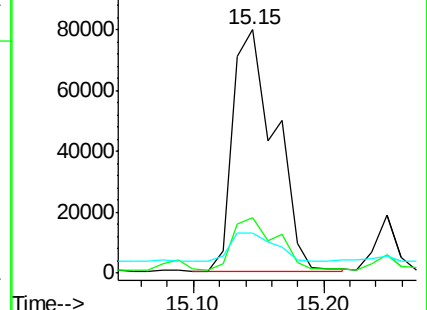
125 16.7 10.4 15.6#

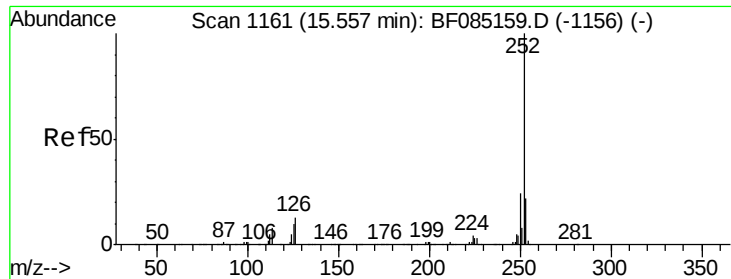


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

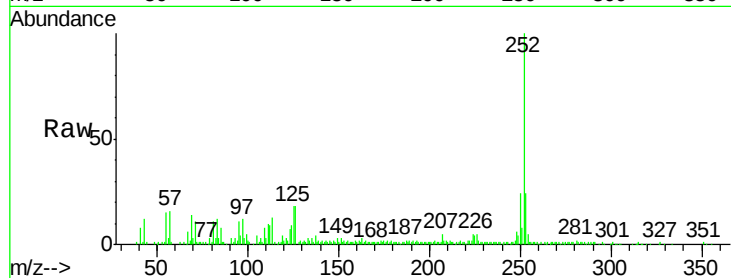




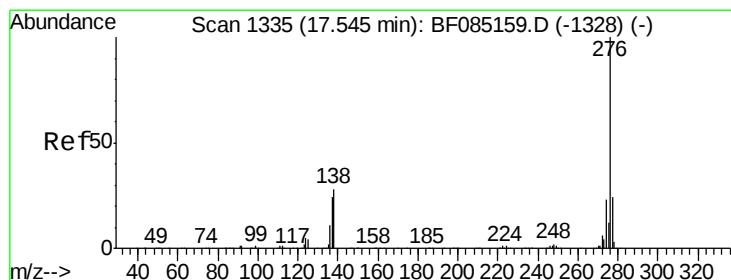
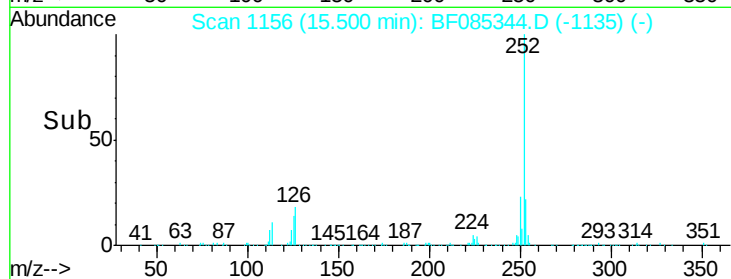
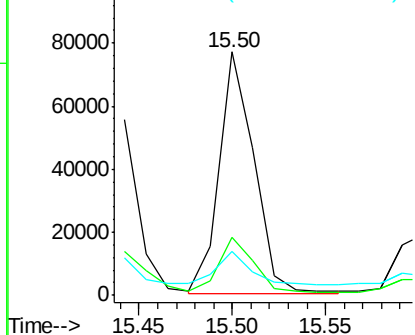
#89
Benzo(a)pyrene
Concen: 7.15 ng
RT: 15.50 min Scan# 1156
Delta R.T. -0.06 min
Lab File: BF085344.D
Acq: 10 Mar 2016 20:28

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 100042
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.0
125 18.3 8.2 12.4#

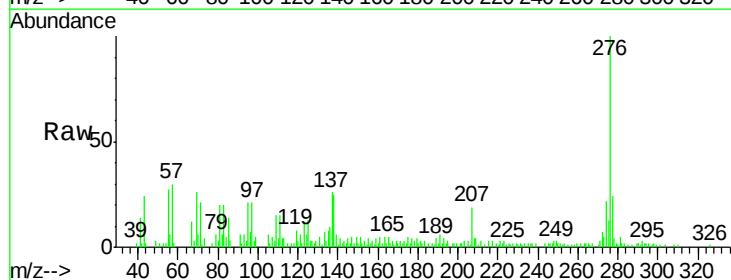


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 4.29 ng
RT: 17.47 min Scan# 1328
Delta R.T. -0.08 min
Lab File: BF085344.D
Acq: 10 Mar 2016 20:28

Tgt Ion:276 Resp: 51575
Ion Ratio Lower Upper
276 100
277 24.2 19.0 28.4
138 25.5 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

