

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030416\
 Data File : BF085241.D
 Acq On : 5 Mar 2016 9:06
 Operator : SJ/IZ
 Sample : H1683-10
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 07 00:03:26 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	150274	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	556981	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	226731	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	357656	20.00	ng	-0.01
75) Chrysene-d12	14.13	240	266672	20.00	ng	-0.02
86) Perylene-d12	15.60	264	233774	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	1478444	165.03	ng	0.00
7) Phenol-d6	6.60	99	1530473	130.39	ng	-0.01
23) Nitrobenzene-d5	7.53	82	928719	89.23	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	303758	156.57	ng	-0.01
44) 2-Fluorobiphenyl	9.33	172	1312472	88.04	ng	-0.02
78) Terphenyl-d14	13.08	244	847101	73.74	ng	-0.01

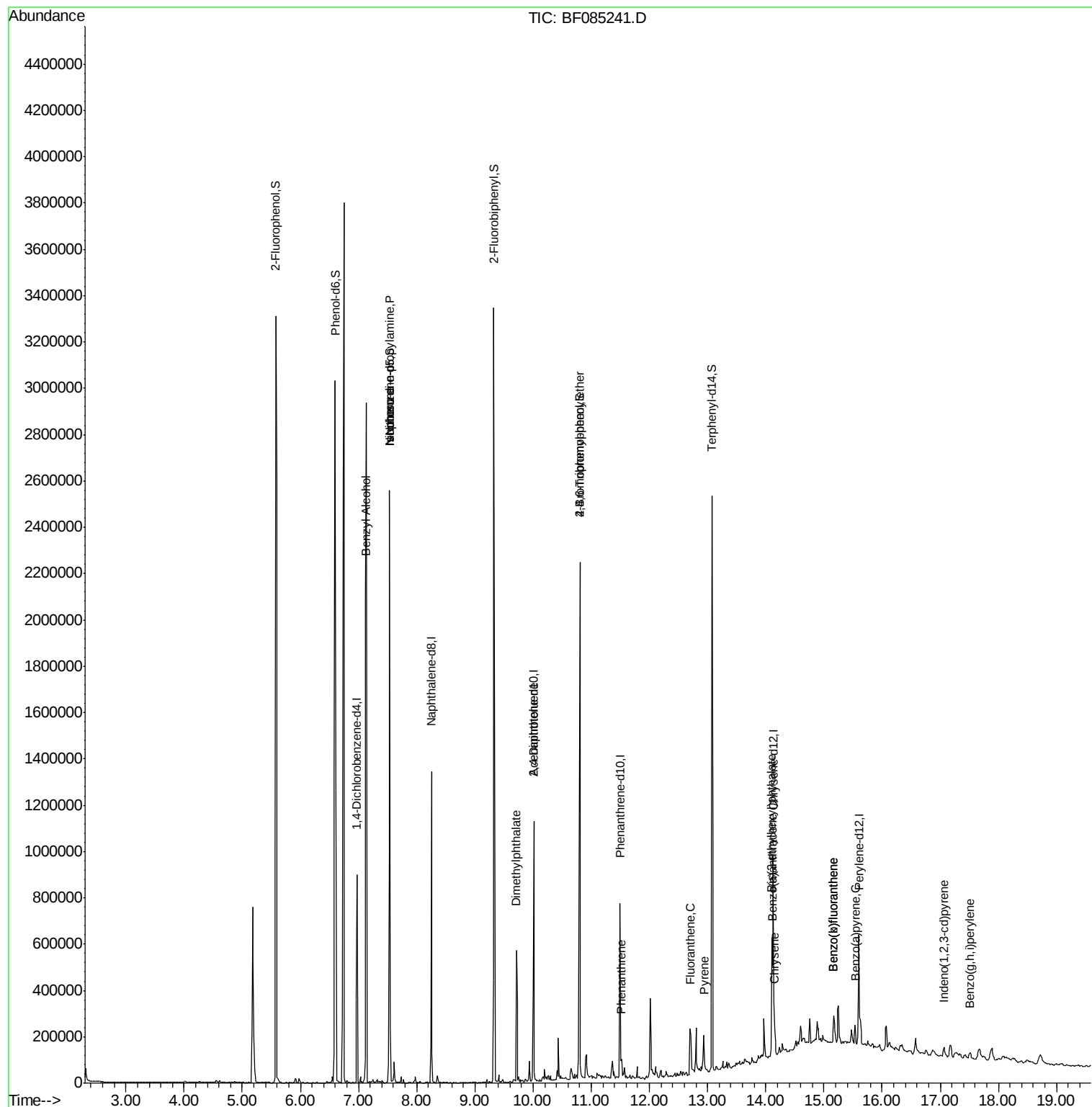
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	951	Below Cal		88
15) Benzyl Alcohol	7.12	79	17408	2.02	ng	# 49
19) n-Nitroso-di-n-propylamine	7.53	70	126094	16.48	ng	# 78
25) Isophorone	7.53	82	667250	34.59	ng	# 67
49) Dimethylphthalate	9.72	163	287691	16.53	ng	# 99
56) 2,4-Dinitrotoluene	10.01	165	29284	6.15	ng	# 22
66) 4-Bromophenyl-phenylether	10.80	248	22130	6.37	ng	# 1
70) Phenanthrene	11.52	178	41770	2.23	ng	95
74) Fluoranthene	12.70	202	102420	5.44	ng	93
77) Pyrene	12.94	202	91008	4.53	ng	96
80) Benzo(a)anthracene	14.12	228	59337	3.72	ng	98
82) Chrysene	14.15	228	40832	2.77	ng	97
83) Bis(2-ethylhexyl)phthalate	14.11	149	151750	12.66	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.07	276	23424	2.04	ng	# 79
87) Benzo(b)fluoranthene	15.17	252	80253	5.15	ng	94
88) Benzo(k)fluoranthene	15.17	252	80253	6.39	ng	# 93
89) Benzo(a)pyrene	15.53	252	39983	3.10	ng	# 91
91) Benzo(g,h,i)perylene	17.51	276	24195	2.18	ng	95

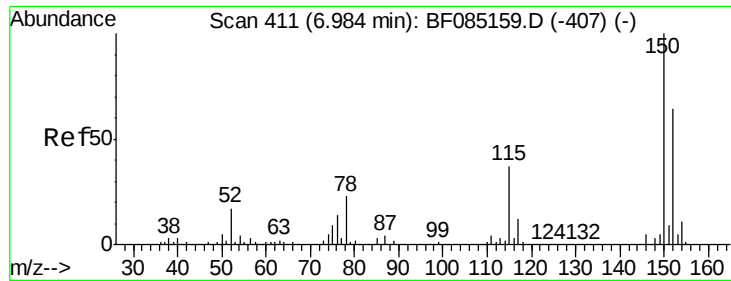
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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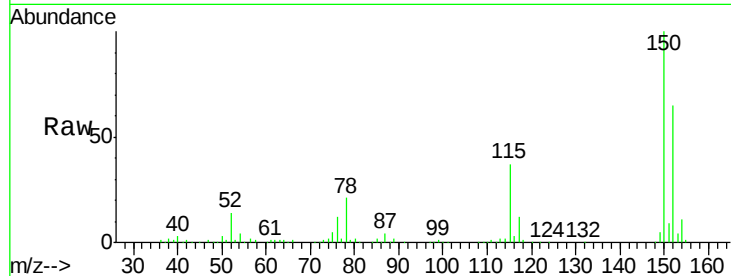


#1

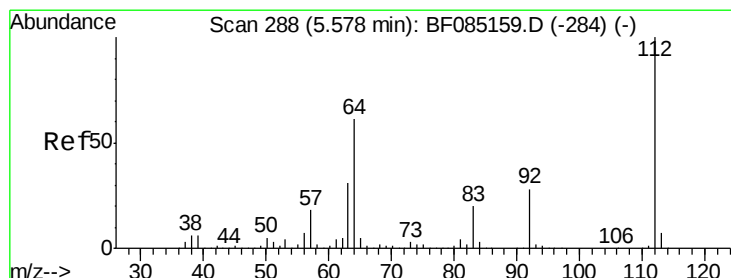
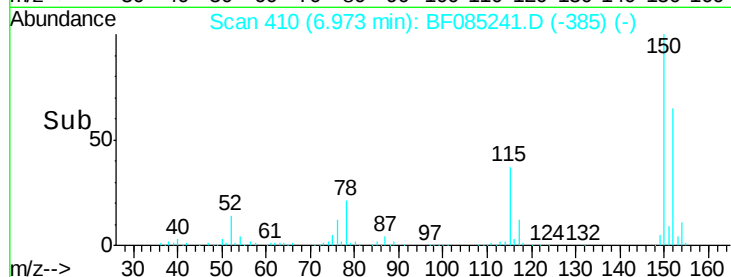
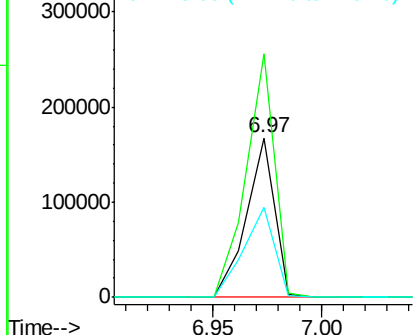
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 410
Delta R.T. -0.01 min
Lab File: BF085241.D
Acq: 5 Mar 2016 9:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 150274
Ion Ratio Lower Upper
152 100
150 152.9 124.6 186.8
115 56.4 46.6 70.0



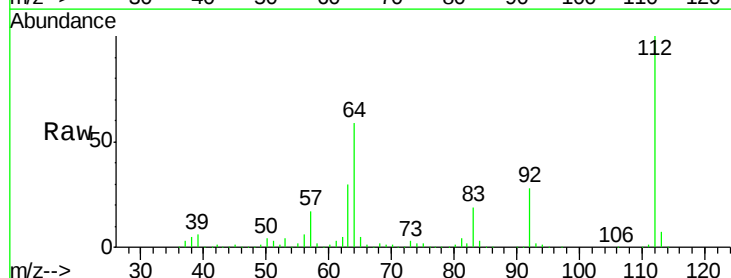
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



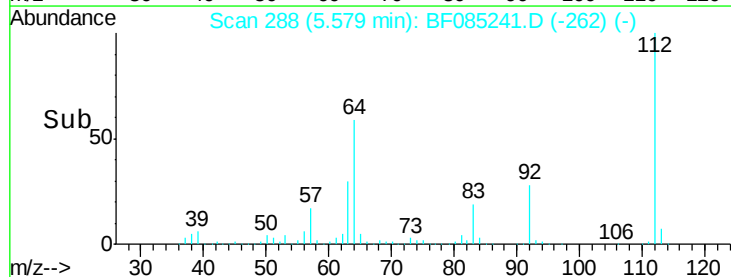
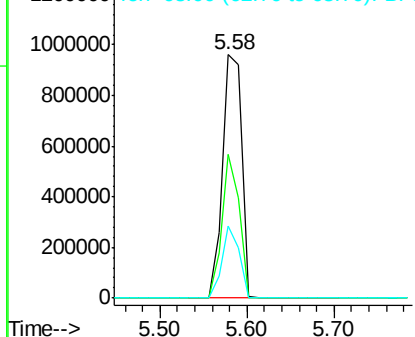
#5

2-Fluorophenol
Concen: 165.03 ng
RT: 5.58 min Scan# 288
Delta R.T. 0.00 min
Lab File: BF085241.D
Acq: 5 Mar 2016 9:06

Tgt Ion:112 Resp: 1478444
Ion Ratio Lower Upper
112 100
64 59.0 49.0 73.4
63 29.7 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: 130.39 ng

RT: 6.60 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF085241.D

Acq: 5 Mar 2016 9:06

Instrument :

BNA_F

ClientSampleId :

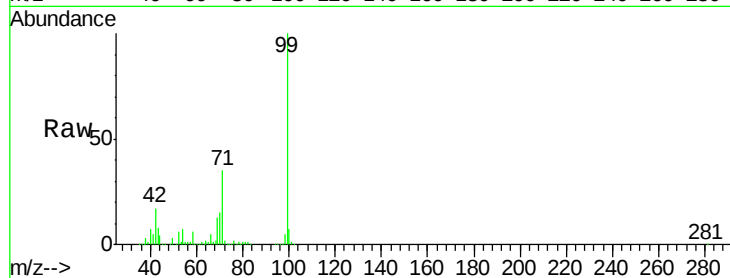
Tgt Ion: 99 Resp: 1530473

Ion Ratio Lower Upper

99 100

42 16.5 13.6 20.4

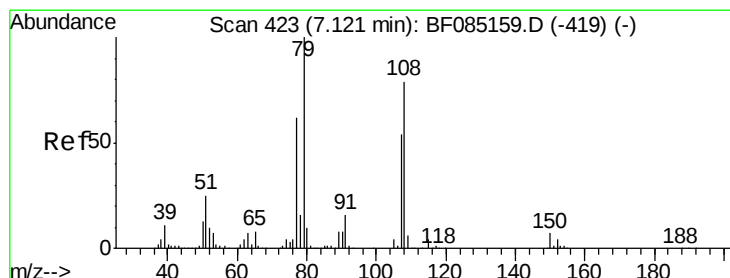
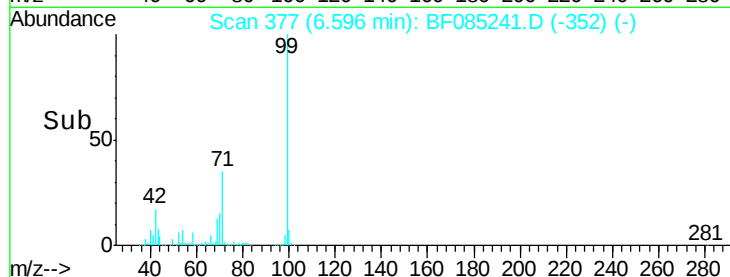
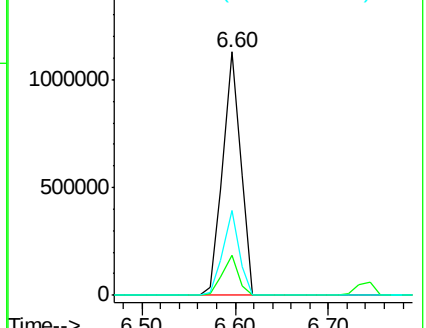
71 34.7 26.7 40.1



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



#15

Benzyl Alcohol

Concen: 2.02 ng

RT: 7.12 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF085241.D

Acq: 5 Mar 2016 9:06

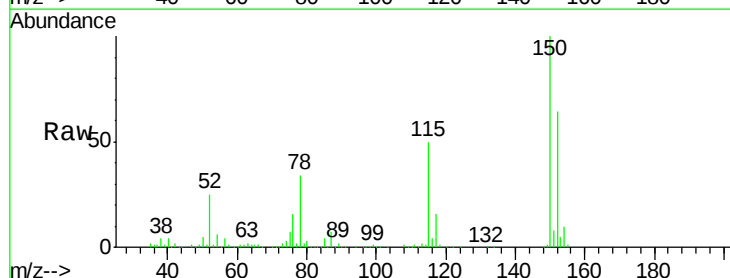
Tgt Ion: 79 Resp: 17408

Ion Ratio Lower Upper

79 100

108 29.4 62.9 94.3#

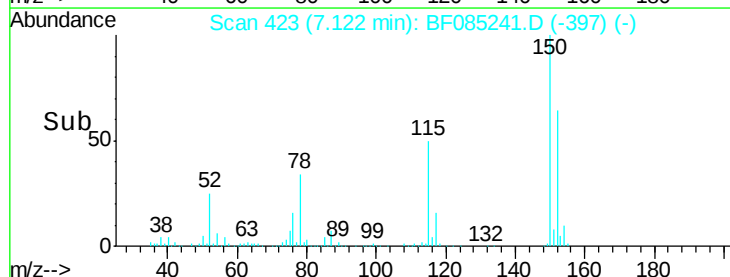
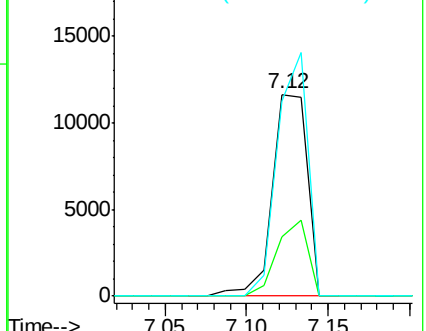
77 96.3 49.5 74.3#



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

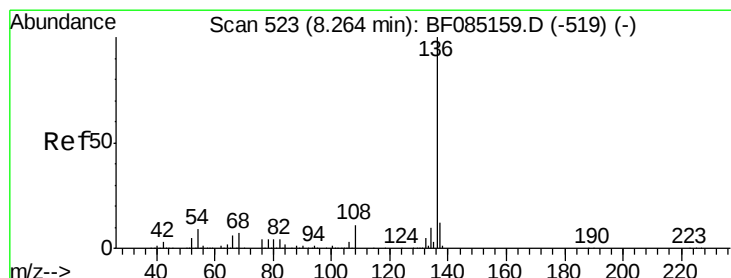
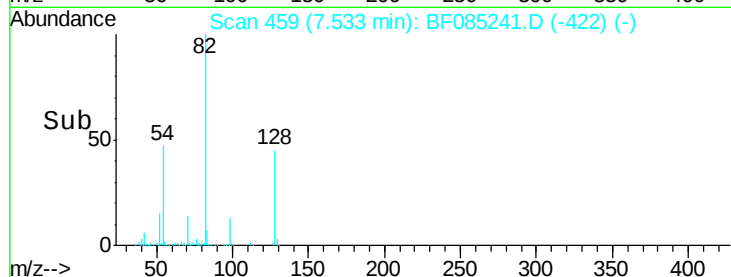
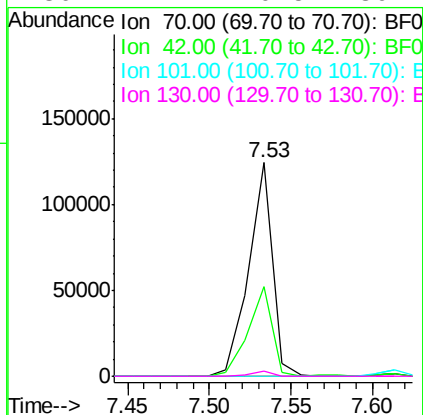
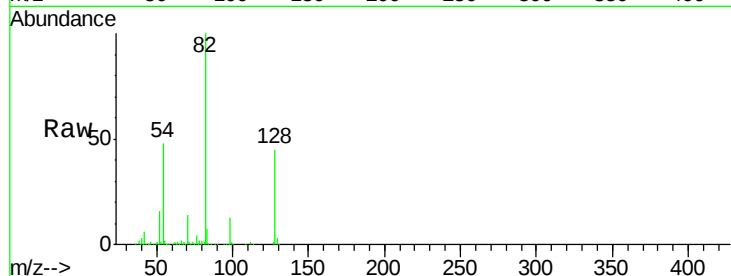




#19
 n-Nitroso-di-n-propylamine
 Concen: 16.48 ng
 RT: 7.53 min Scan# 459
 Delta R.T. 0.13 min
 Lab File: BF085241.D
 Acq: 5 Mar 2016 9:06

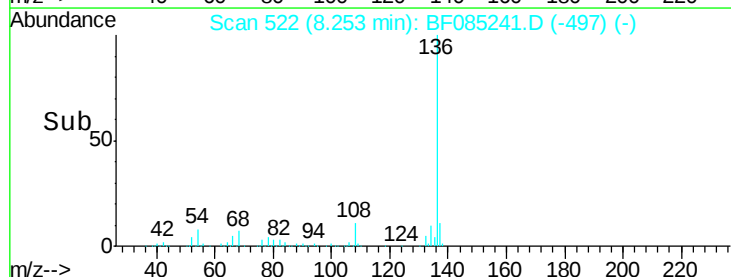
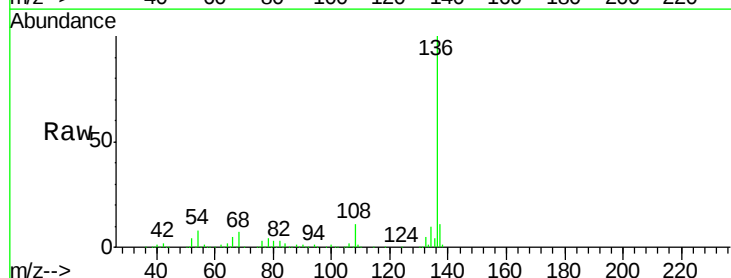
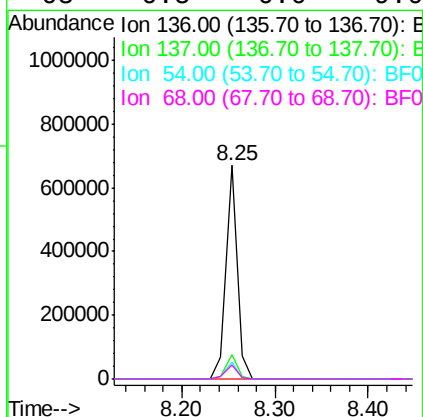
Instrument :
 BNA_F
 ClientSampleId :

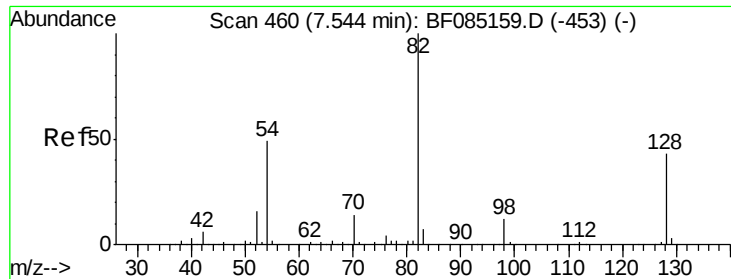
Tgt Ion:	70	Resp:	126094
Ion	Ratio	Lower	Upper
70	100		
42	41.8	37.7	56.5
101	0.0	8.2	12.4#
130	2.1	20.5	30.7#



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 8.25 min Scan# 522
 Delta R.T. -0.01 min
 Lab File: BF085241.D
 Acq: 5 Mar 2016 9:06

Tgt Ion:	136	Resp:	556981
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.3	13.9
54	7.6	7.4	11.2
68	6.5	6.0	9.0

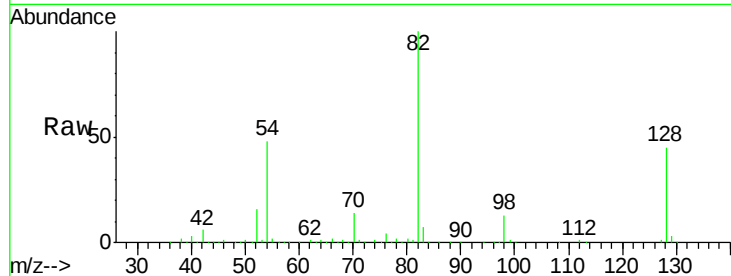




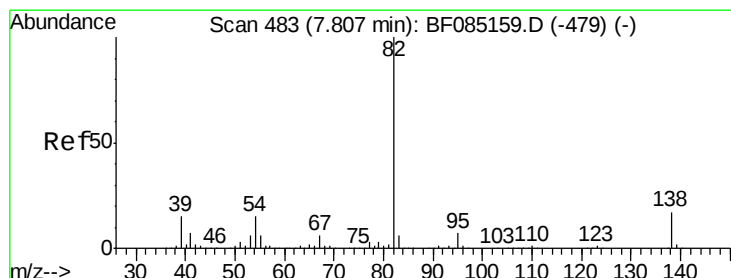
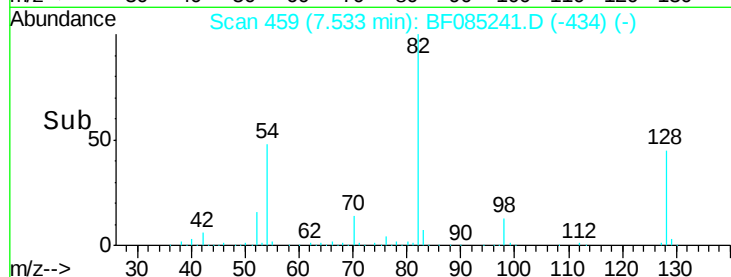
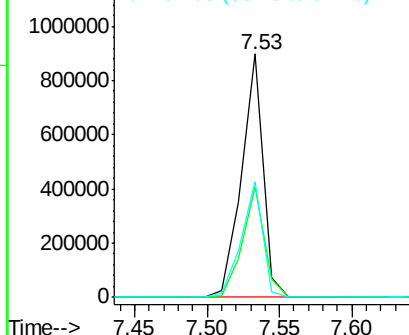
#23
 Nitrobenzene-d5
 Concen: 89.23 ng
 RT: 7.53 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: BF085241.D
 Acq: 5 Mar 2016 9:06

Instrument :
 BNA_F
 ClientSampleID :

Tgt Ion: 82 Resp: 928719
 Ion Ratio Lower Upper
 82 100
 128 45.3 34.5 51.7
 54 47.5 39.3 58.9

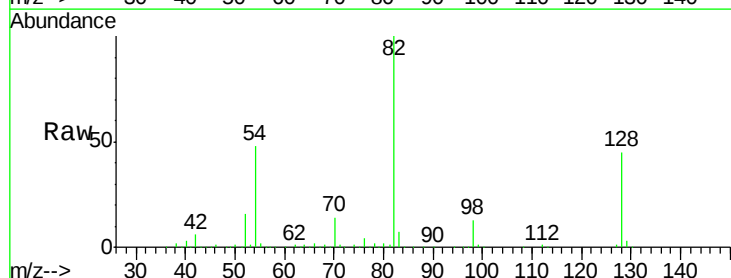


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

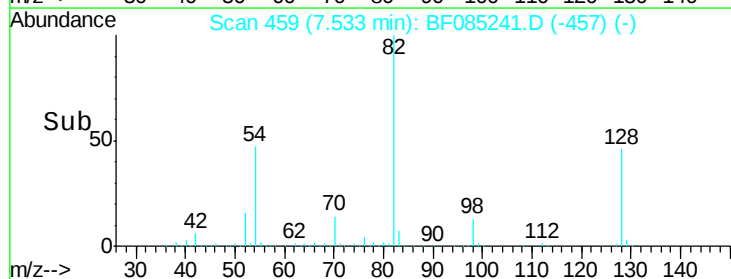
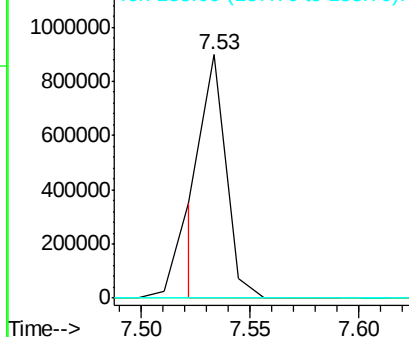


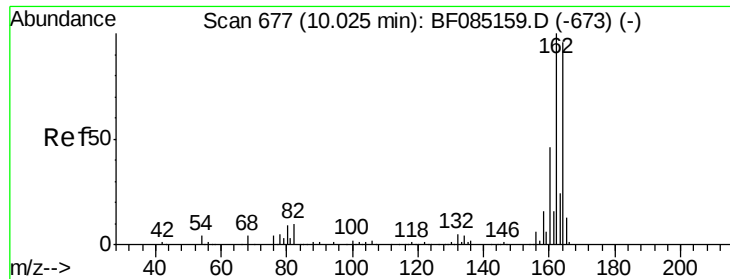
#25
 Isophorone
 Concen: 34.59 ng
 RT: 7.53 min Scan# 459
 Delta R.T. -0.27 min
 Lab File: BF085241.D
 Acq: 5 Mar 2016 9:06

Tgt Ion: 82 Resp: 667250
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 13.3 19.9#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0

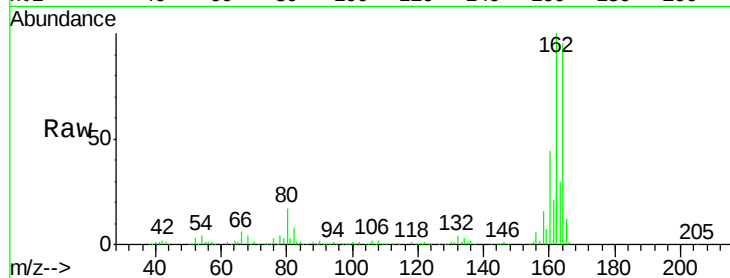




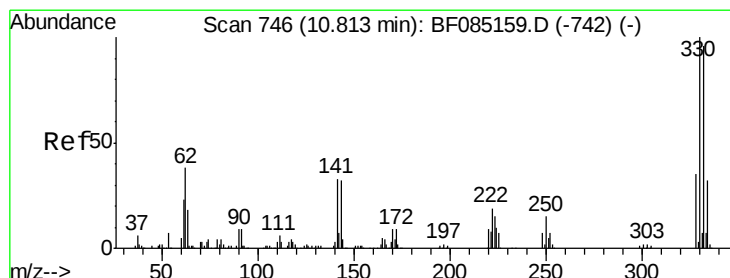
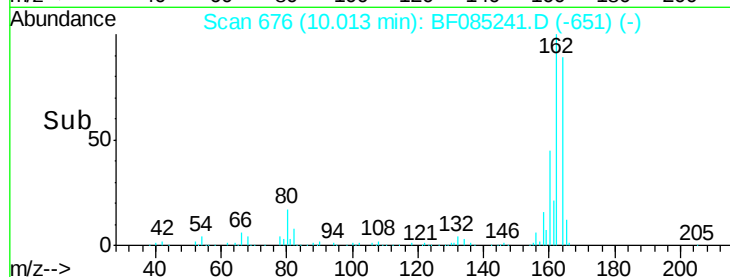
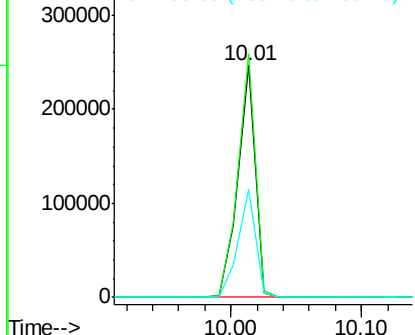
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.01 min Scan# 676
Delta R.T. -0.01 min
Lab File: BF085241.D
Acq: 5 Mar 2016 9:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 226731
Ion Ratio Lower Upper
164 100
162 105.1 83.3 124.9
160 46.7 37.9 56.9

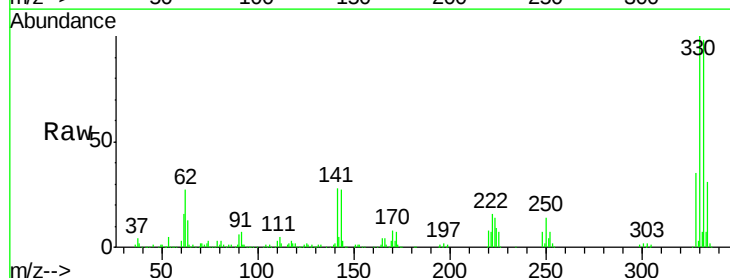


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

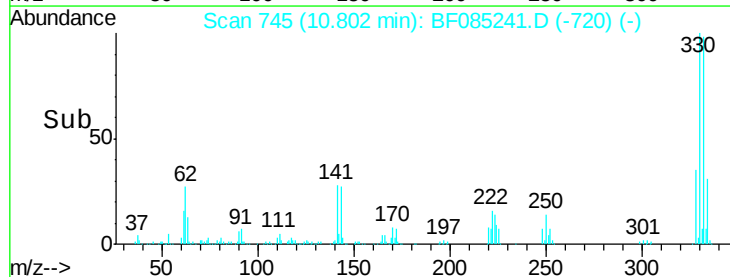
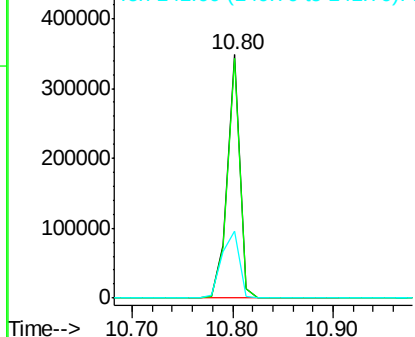


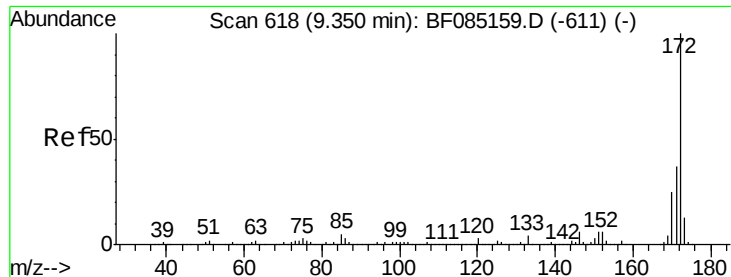
#41
2,4,6-Tribromophenol
Concen: 156.57 ng
RT: 10.80 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF085241.D
Acq: 5 Mar 2016 9:06

Tgt Ion:330 Resp: 303758
Ion Ratio Lower Upper
330 100
332 98.0 77.1 115.7
141 38.5 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

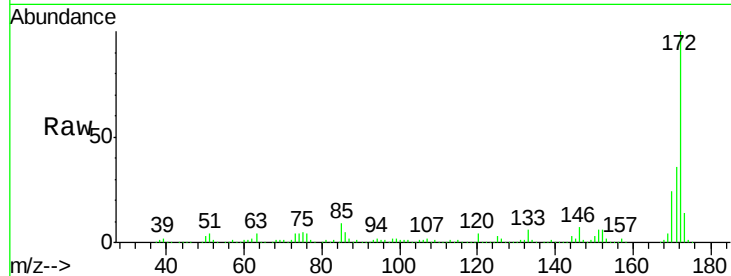




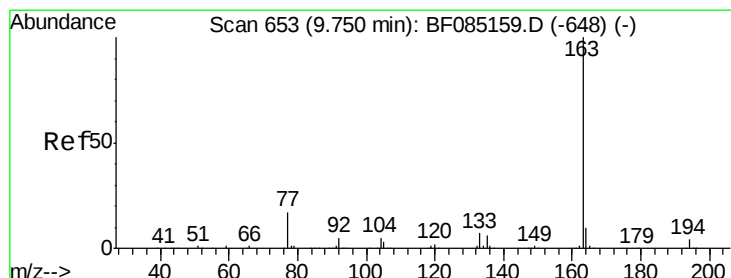
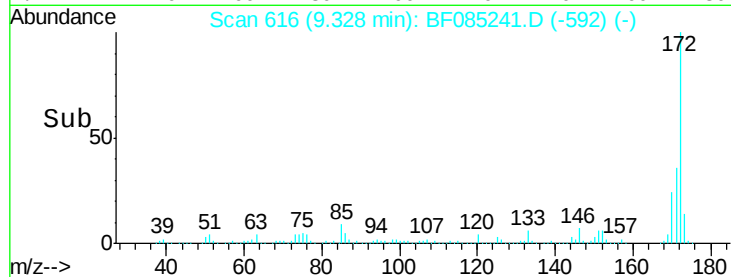
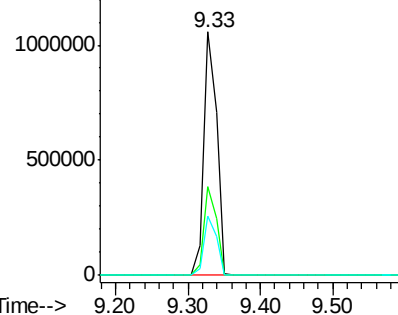
#44
 2-Fluorobiphenyl
 Concen: 88.04 ng
 RT: 9.33 min Scan# 616
 Delta R.T. -0.02 min
 Lab File: BF085241.D
 Acq: 5 Mar 2016 9:06

Instrument :
 BNA_F
 ClientSampled :

Tgt Ion:172 Resp: 1312472
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.3 43.9
 170 24.1 20.0 30.0

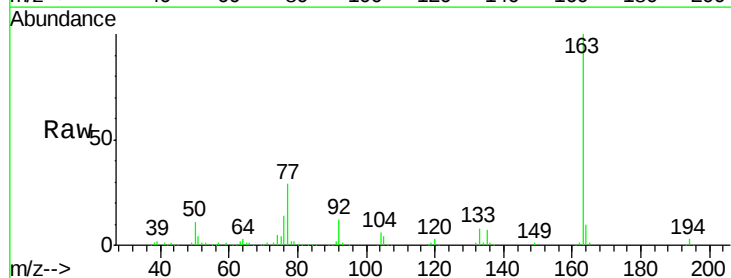


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

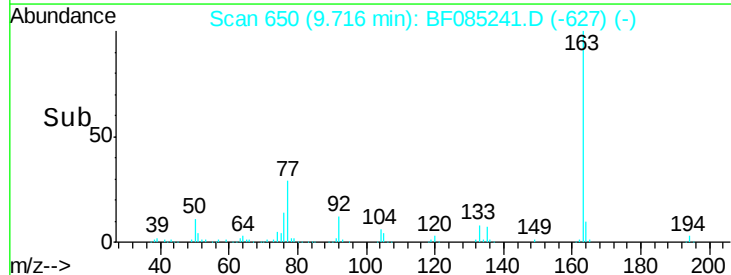
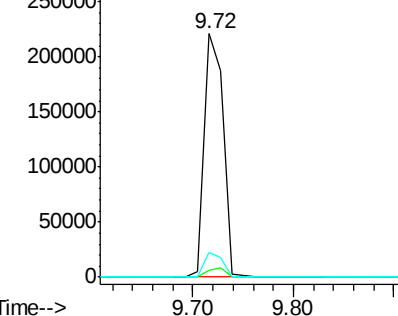


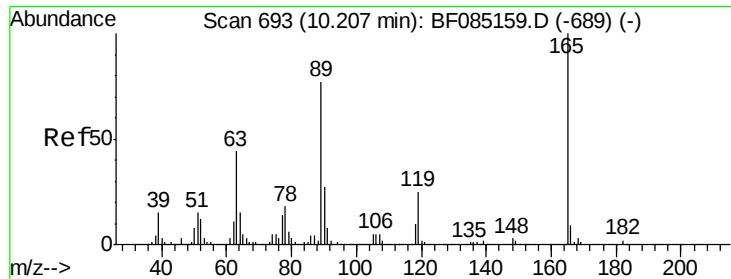
#49
 Dimethylphthalate
 Concen: 16.53 ng
 RT: 9.72 min Scan# 650
 Delta R.T. -0.03 min
 Lab File: BF085241.D
 Acq: 5 Mar 2016 9:06

Tgt Ion:163 Resp: 287691
 Ion Ratio Lower Upper
 163 100
 194 3.0 3.1 4.7#
 164 10.3 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

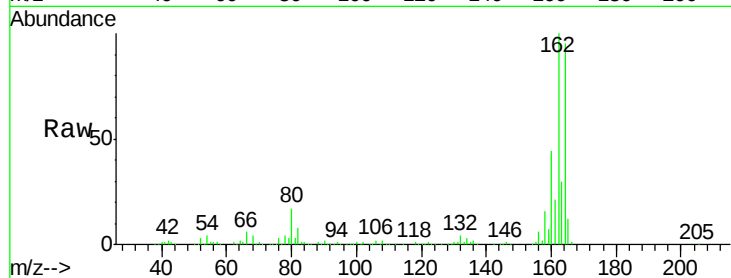




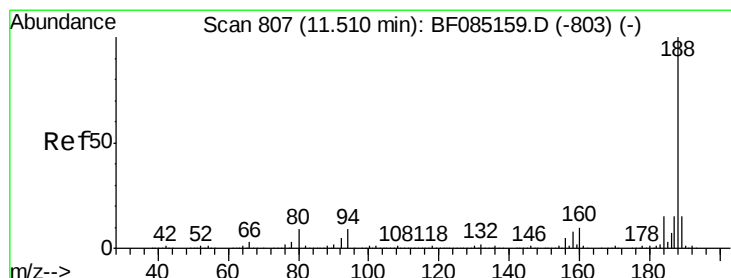
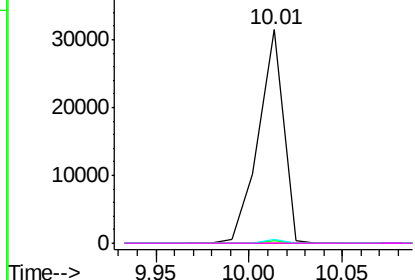
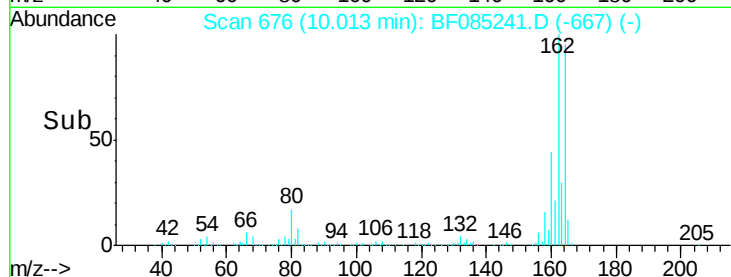
#56
 2,4-Dinitrotoluene
 Concen: 6.15 ng
 RT: 10.01 min Scan# 676
 Delta R.T. -0.19 min
 Lab File: BF085241.D
 Acq: 5 Mar 2016 9:06

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:165 Resp: 29284
 Ion Ratio Lower Upper
 165 100
 63 1.3 35.4 53.0#
 89 1.8 61.9 92.9#
 182 0.0 1.9 2.9#

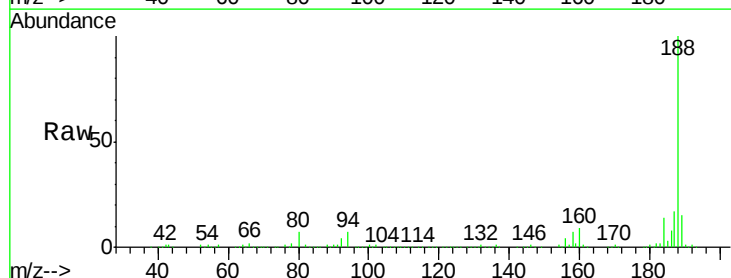


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

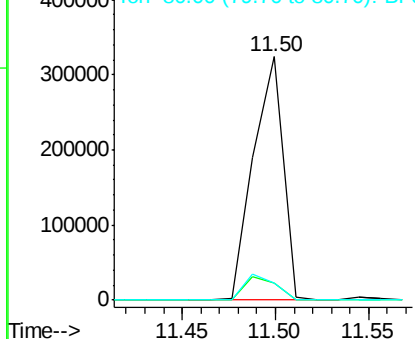
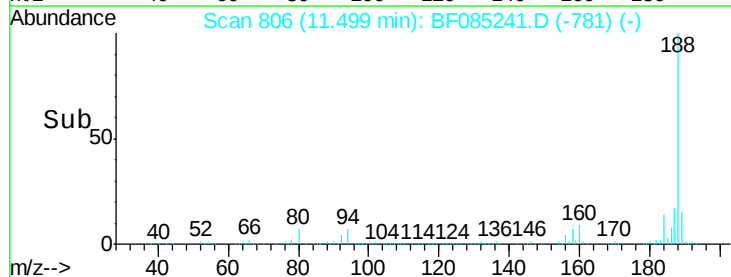


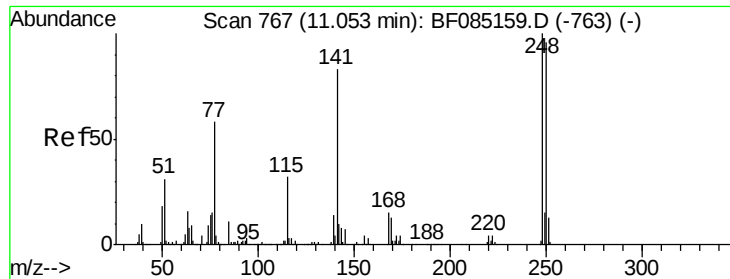
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.50 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: BF085241.D
 Acq: 5 Mar 2016 9:06

Tgt Ion:188 Resp: 357656
 Ion Ratio Lower Upper
 188 100
 94 6.8 7.0 10.6#
 80 7.0 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

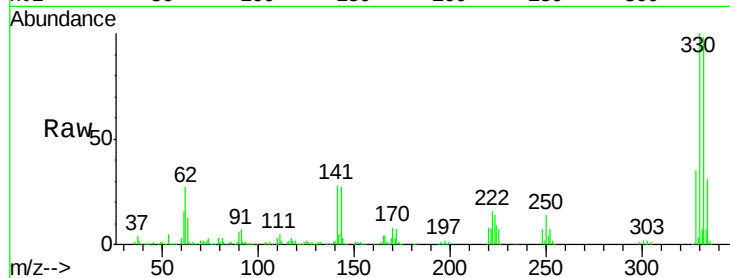




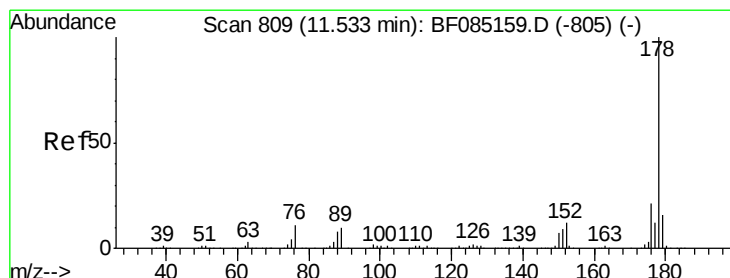
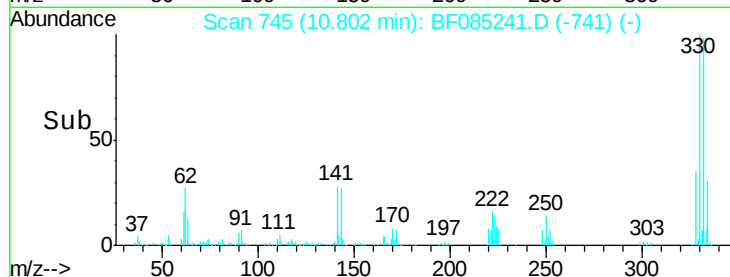
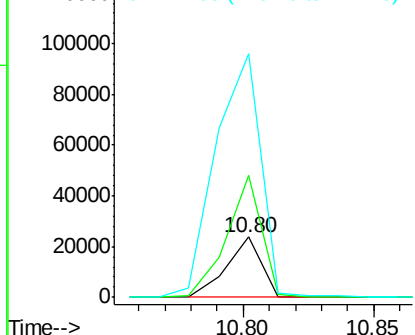
#66
 4-Bromophenyl-phenylether
 Concen: 6.37 ng
 RT: 10.80 min Scan# 745
 Delta R.T. -0.25 min
 Lab File: BF085241.D
 Acq: 5 Mar 2016 9:06

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:248 Resp: 22130
 Ion Ratio Lower Upper
 248 100
 250 202.4 77.1 115.7#
 141 404.6 66.2 99.2#

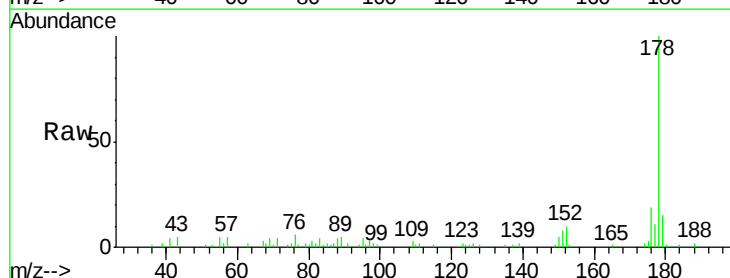


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

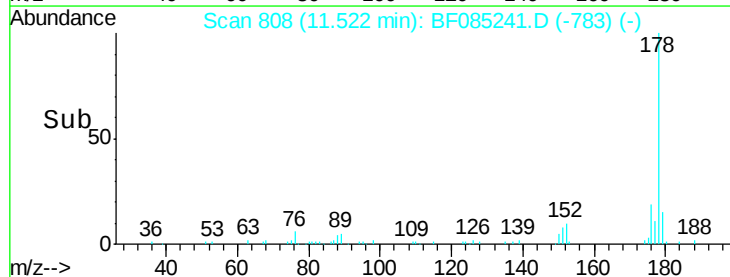
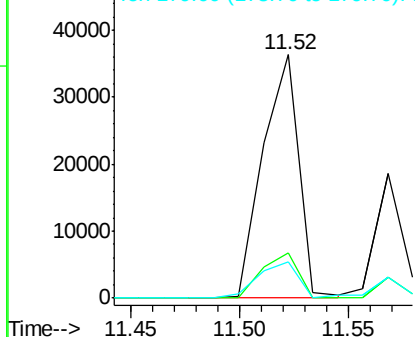


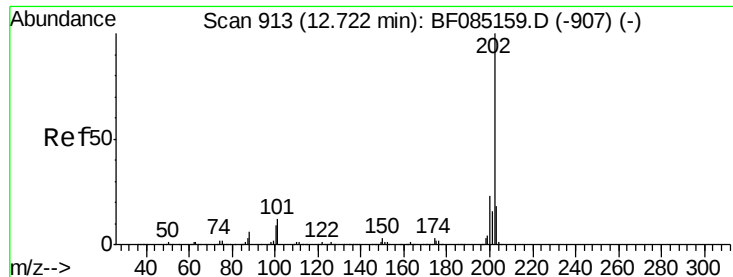
#70
 Phenanthrene
 Concen: 2.23 ng
 RT: 11.52 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: BF085241.D
 Acq: 5 Mar 2016 9:06

Tgt Ion:178 Resp: 41770
 Ion Ratio Lower Upper
 178 100
 176 18.6 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: 5.44 ng

RT: 12.70 min Scan# 911

Delta R.T. -0.02 min

Lab File: BF085241.D

Acq: 5 Mar 2016 9:06

Instrument :

BNA_F

ClientSampled :

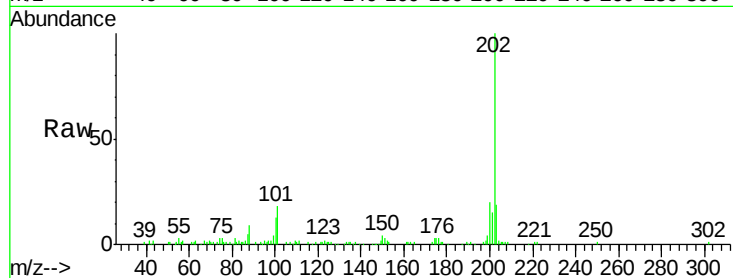
Tgt Ion:202 Resp: 102420

Ion Ratio Lower Upper

202 100

101 18.1 0.0 31.8

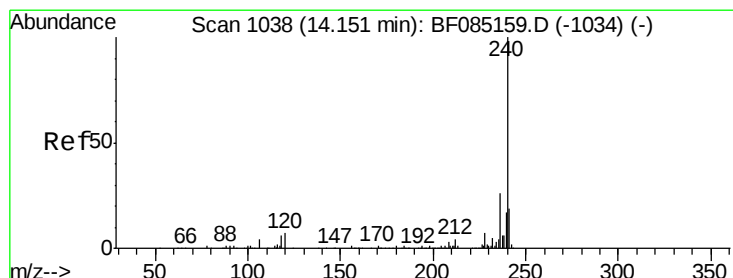
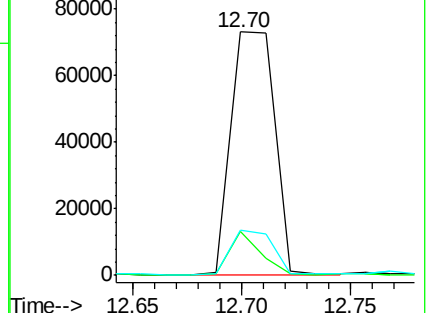
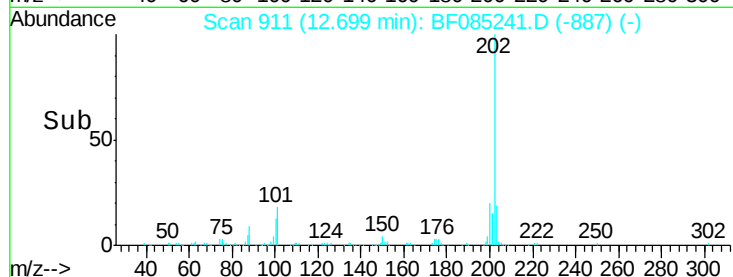
203 18.6 0.0 38.4



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: BF085241.D

Acq: 5 Mar 2016 9:06

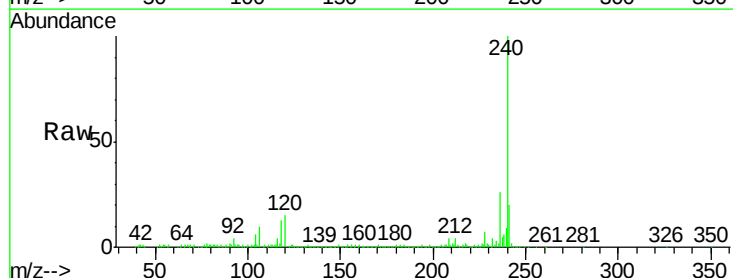
Tgt Ion:240 Resp: 266672

Ion Ratio Lower Upper

240 100

120 14.7 5.3 7.9#

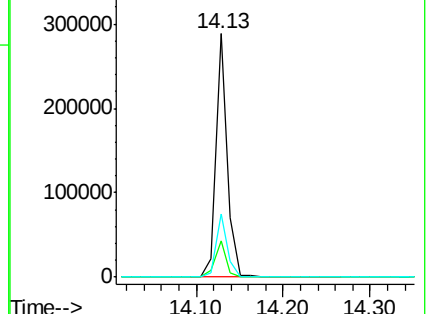
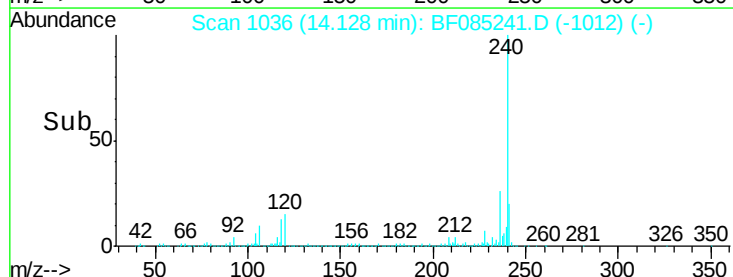
236 25.7 20.7 31.1

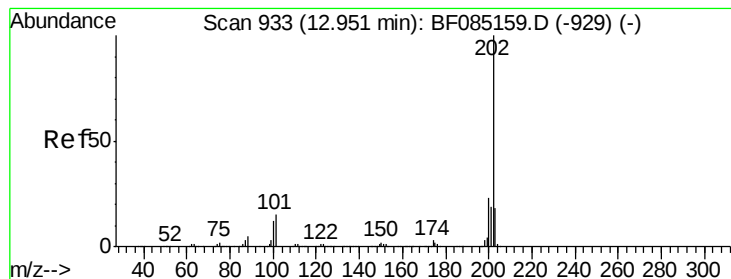


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 4.53 ng

RT: 12.94 min Scan# 932

Delta R.T. -0.01 min

Lab File: BF085241.D

Acq: 5 Mar 2016 9:06

Instrument :

BNA_F

ClientSampleId :

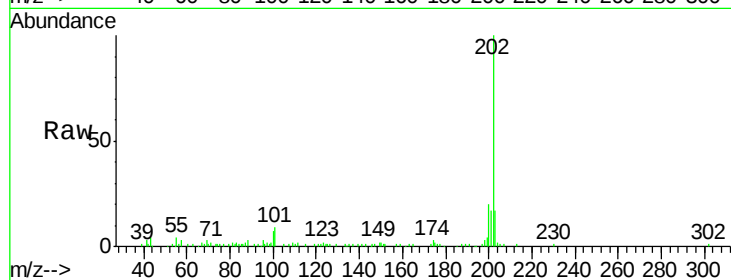
Tgt Ion:202 Resp: 91008

Ion Ratio Lower Upper

202 100

200 19.9 18.2 27.4

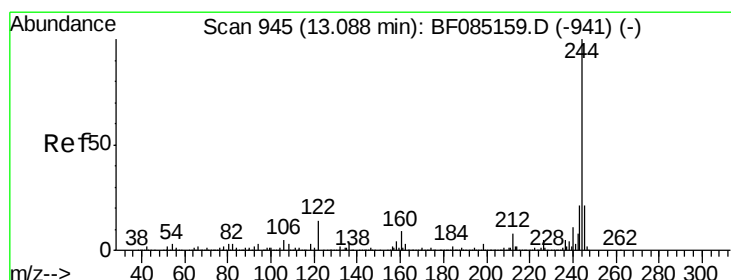
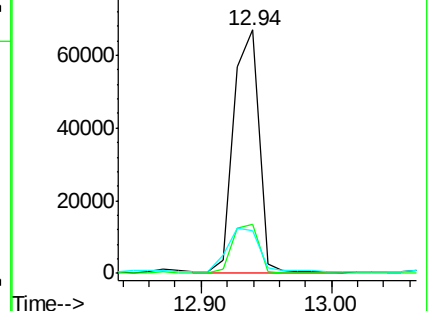
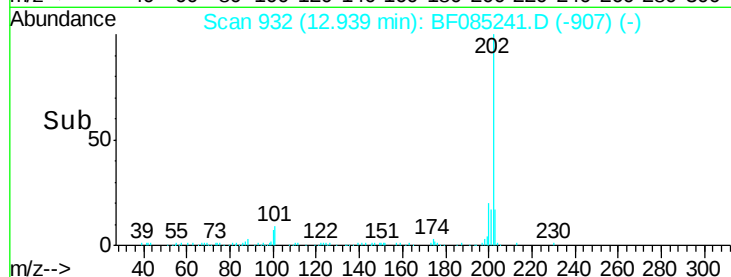
203 17.4 14.7 22.1



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: 73.74 ng

RT: 13.08 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF085241.D

Acq: 5 Mar 2016 9:06

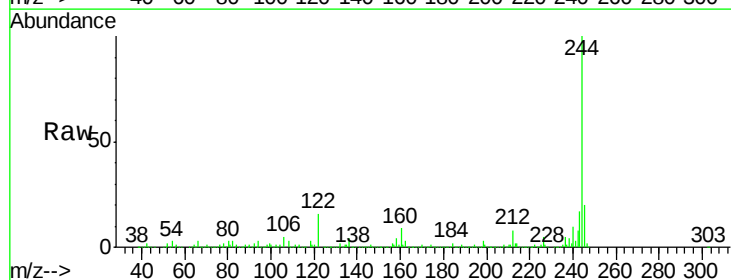
Tgt Ion:244 Resp: 847101

Ion Ratio Lower Upper

244 100

212 7.7 6.4 9.6

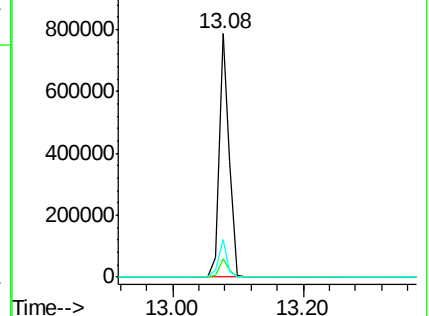
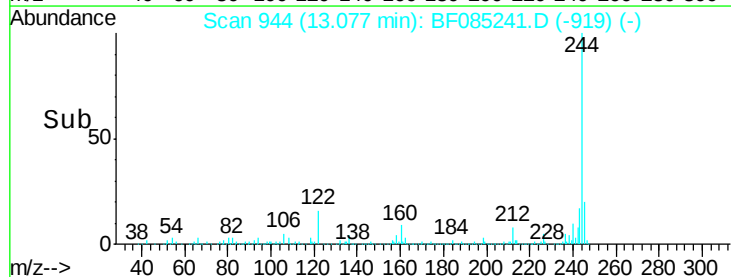
122 15.5 11.4 17.2

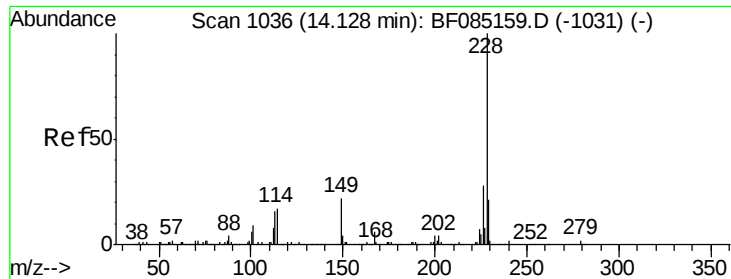


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

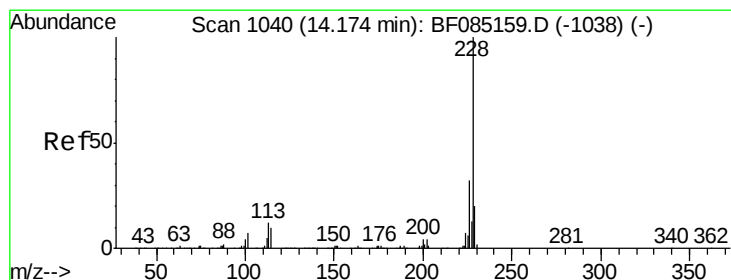
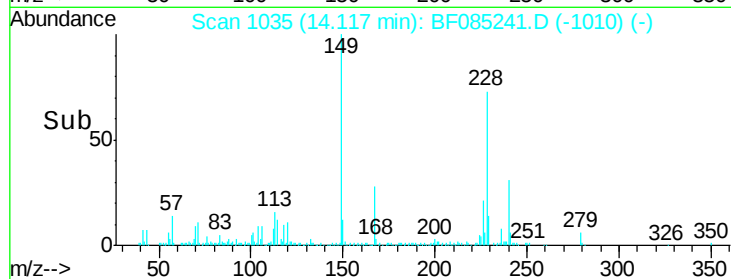
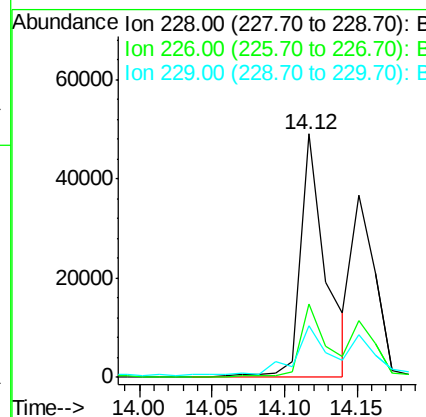
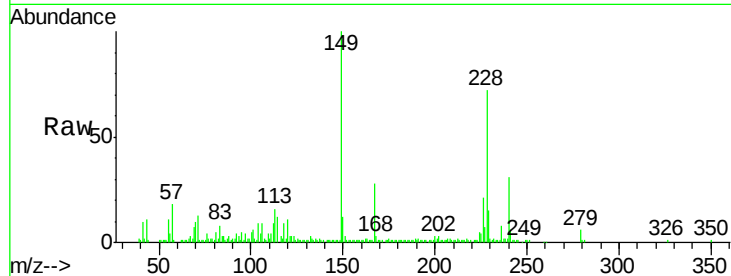




#80
Benzo(a)anthracene
Concen: 3.72 ng
RT: 14.12 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF085241.D
Acq: 5 Mar 2016 9:06

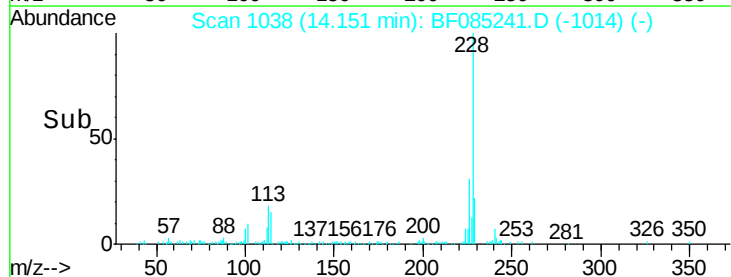
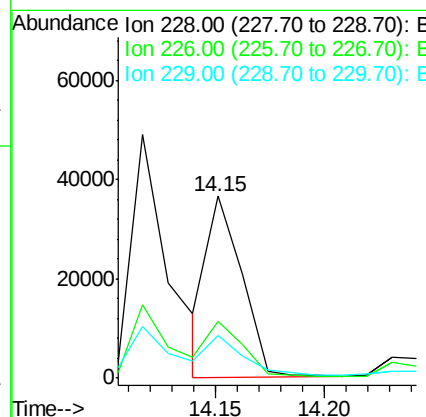
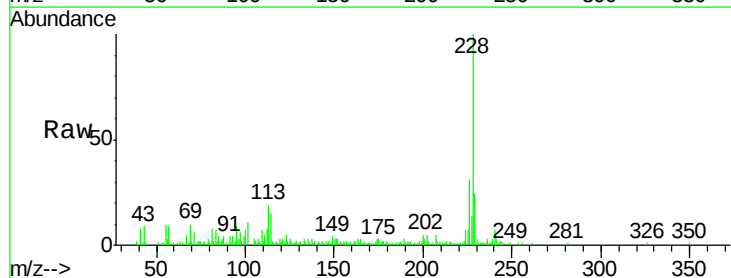
Instrument :
BNA_F
ClientSampleId :

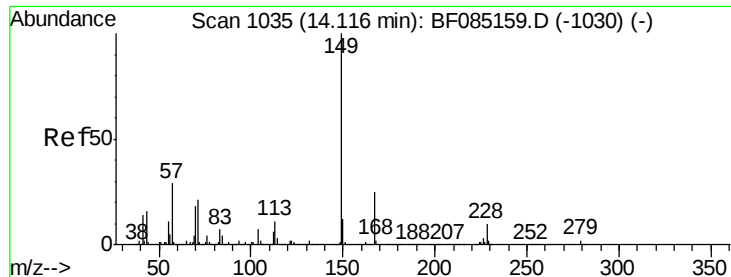
Tgt Ion:228 Resp: 59337
Ion Ratio Lower Upper
228 100
226 30.1 22.8 34.2
229 21.2 16.6 24.8



#82
Chrysene
Concen: 2.77 ng
RT: 14.15 min Scan# 1038
Delta R.T. -0.02 min
Lab File: BF085241.D
Acq: 5 Mar 2016 9:06

Tgt Ion:228 Resp: 40832
Ion Ratio Lower Upper
228 100
226 31.3 25.2 37.8
229 23.7 16.0 24.0

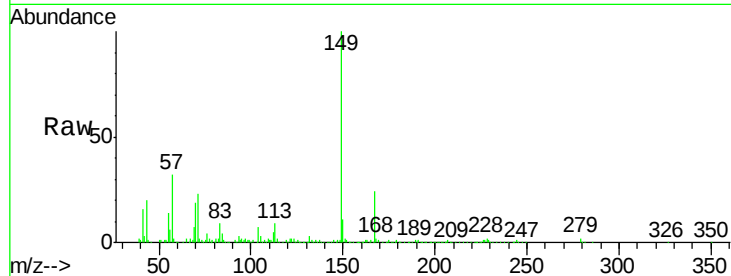




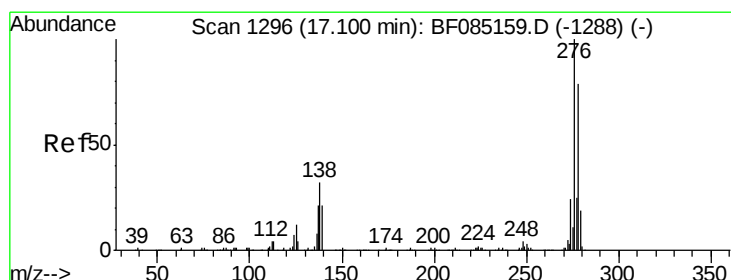
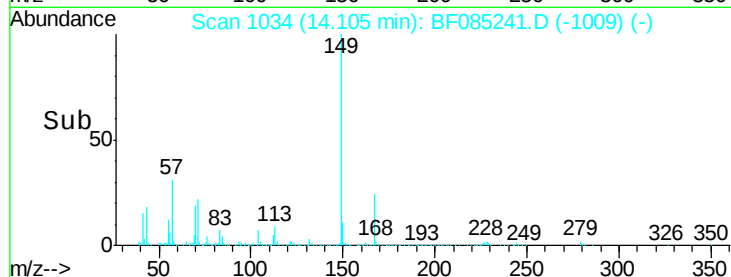
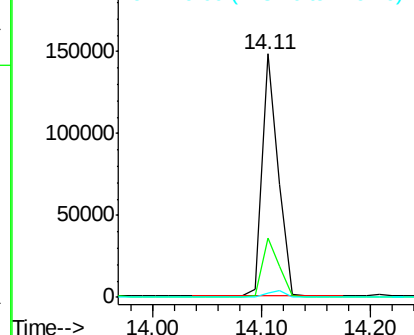
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 12.66 ng
 RT: 14.11 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: BF085241.D
 Acq: 5 Mar 2016 9:06

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:149 Resp: 151750
 Ion Ratio Lower Upper
 149 100
 167 24.2 20.3 30.5
 279 1.9 1.9 2.9#

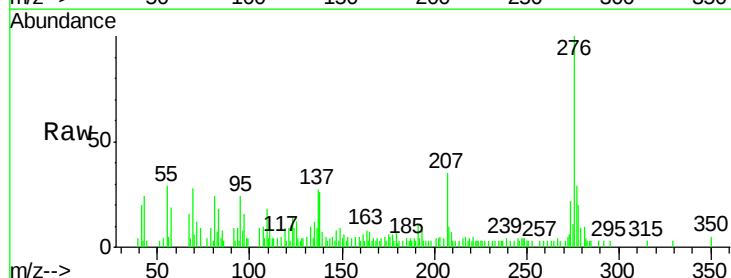


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

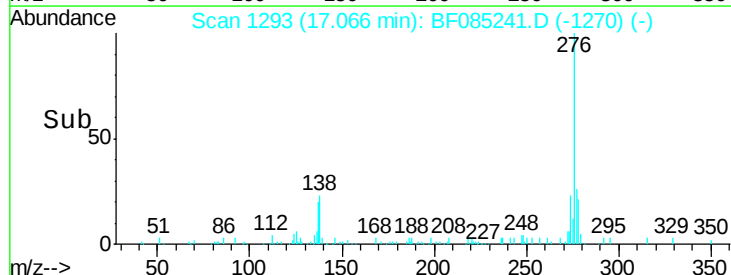
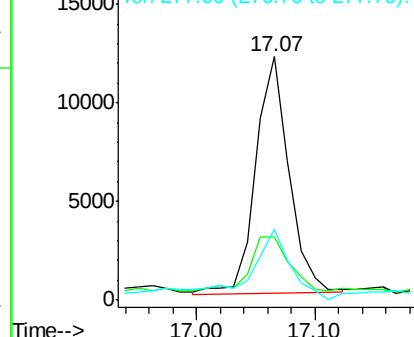


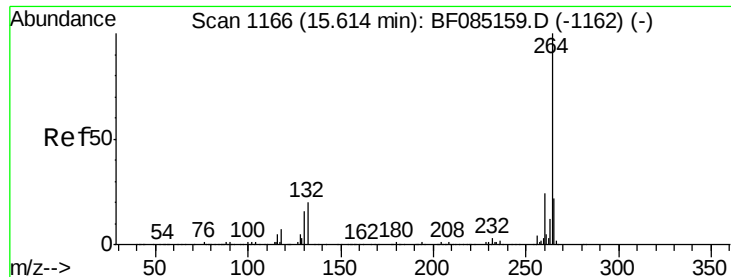
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.04 ng
 RT: 17.07 min Scan# 1293
 Delta R.T. -0.03 min
 Lab File: BF085241.D
 Acq: 5 Mar 2016 9:06

Tgt Ion:276 Resp: 23424
 Ion Ratio Lower Upper
 276 100
 138 27.6 26.4 39.6
 277 43.3 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

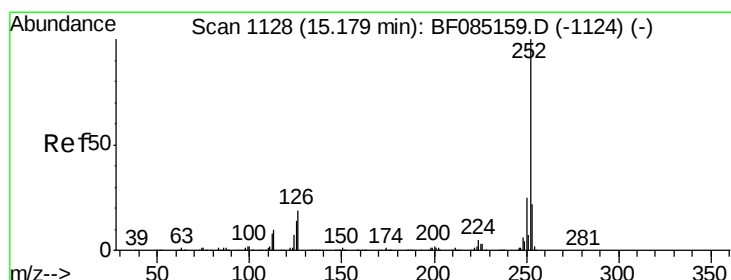
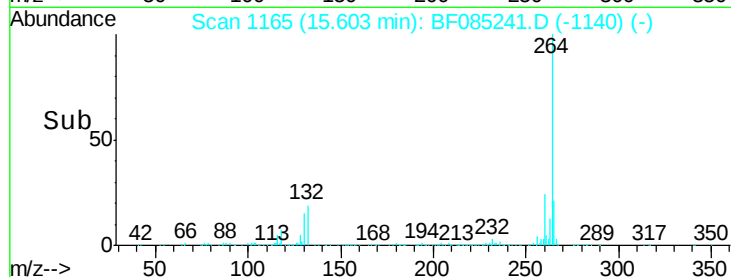
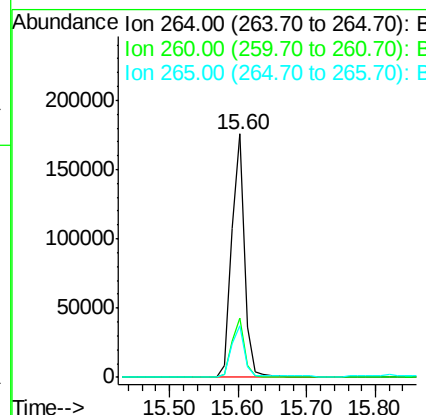
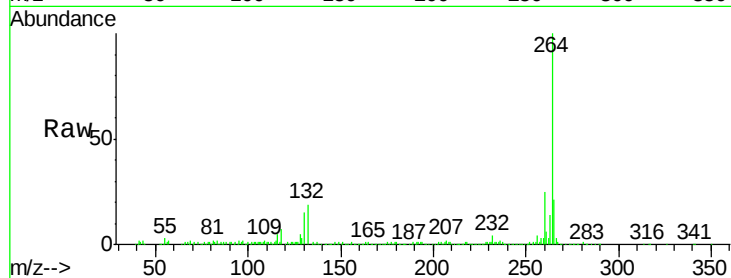




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.60 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF085241.D
Acq: 5 Mar 2016 9:06

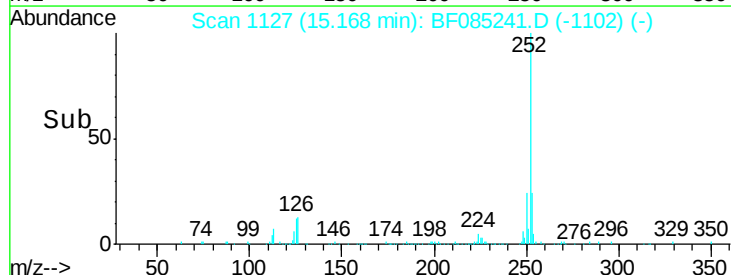
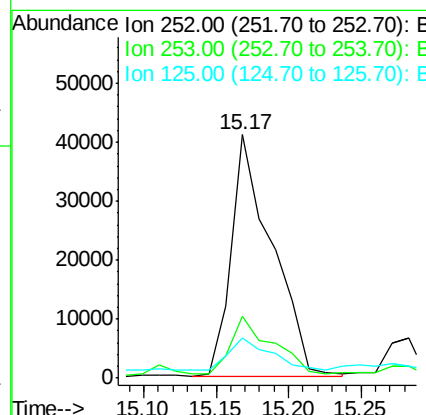
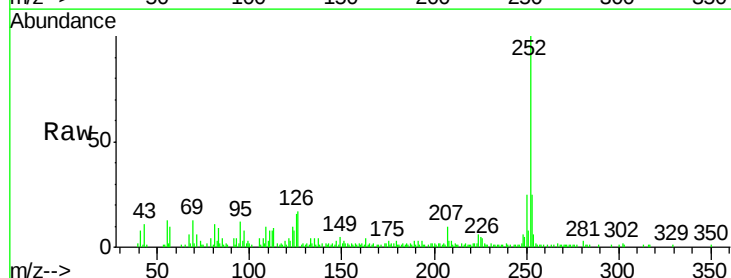
Instrument :
BNA_F
ClientSampleId :

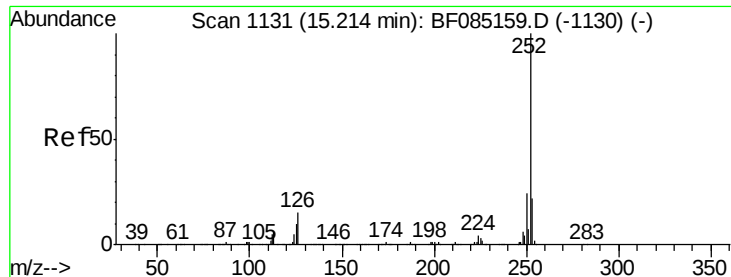
Tgt Ion:264 Resp: 233774
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 21.3 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 5.15 ng
RT: 15.17 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF085241.D
Acq: 5 Mar 2016 9:06

Tgt Ion:252 Resp: 80253
Ion Ratio Lower Upper
252 100
253 25.4 17.8 26.6
125 16.4 11.3 16.9

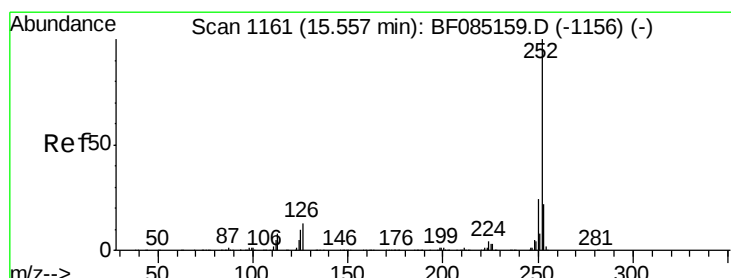
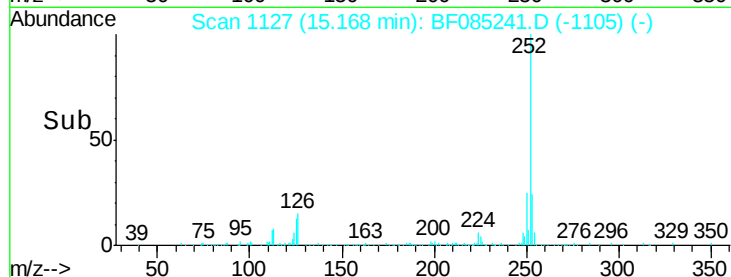
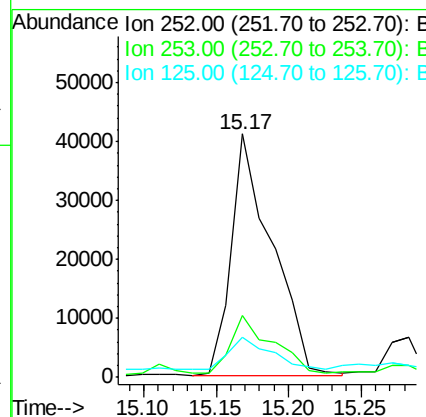
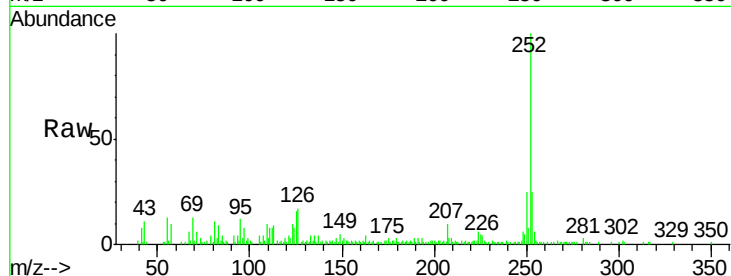




#88
Benzo(k)fluoranthene
Concen: 6.39 ng
RT: 15.17 min Scan# 1127
Delta R.T. -0.05 min
Lab File: BF085241.D
Acq: 5 Mar 2016 9:06

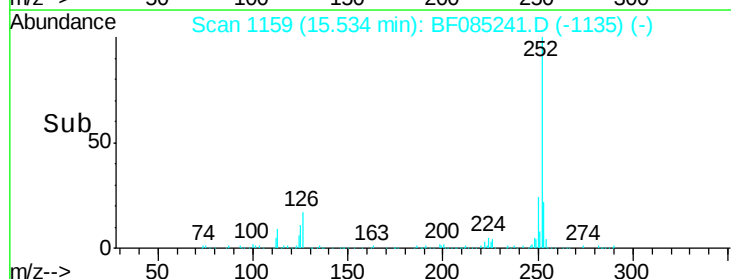
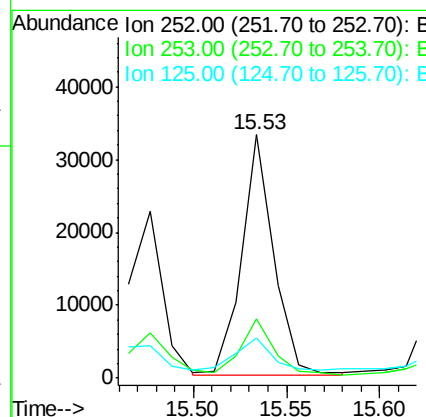
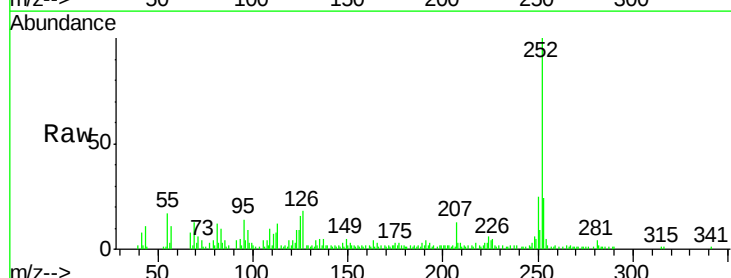
Instrument :
BNA_F
ClientSampleId :

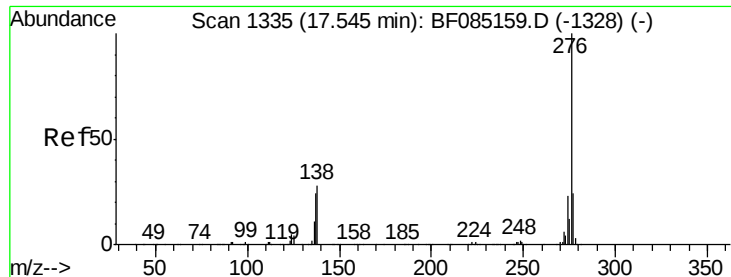
Tgt Ion:252 Resp: 80253
Ion Ratio Lower Upper
252 100
253 25.4 17.8 26.6
125 16.4 10.4 15.6#



#89
Benzo(a)pyrene
Concen: 3.10 ng
RT: 15.53 min Scan# 1159
Delta R.T. -0.02 min
Lab File: BF085241.D
Acq: 5 Mar 2016 9:06

Tgt Ion:252 Resp: 39983
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.0
125 16.3 8.2 12.4#





#91

Benzo(g,h,i)perylene

Concen: 2.18 ng

RT: 17.51 min Scan# 1332

Delta R.T. -0.03 min

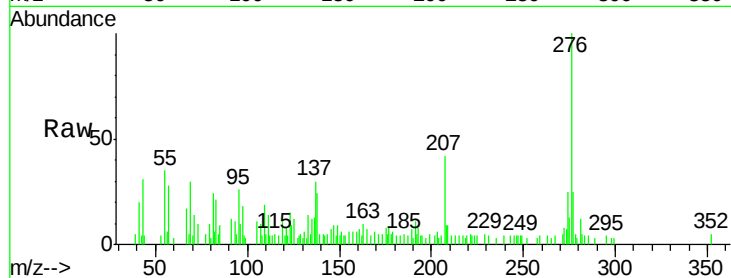
Lab File: BF085241.D

Acq: 5 Mar 2016 9:06

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:	276	Resp:	24195
Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.0	28.4
138	24.1	22.5	33.7

