

Data Path : Z:\HPCHEM1\BNA F\Data\BF031716\
 Data File : BF085530.D
 Acq On : 18 Mar 2016 11:05
 Operator : UM/SJ
 Sample : H1776-20
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 18 10:43:30 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 15 18:57:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	168464	20.00	ng	-0.05
21) Naphthalene-d8	8.15	136	596222	20.00	ng	-0.06
38) Acenaphthene-d10	9.91	164	258823	20.00	ng	-0.05
63) Phenanthrene-d10	11.40	188	415688	20.00	ng	-0.05
75) Chrysene-d12	14.04	240	271721	20.00	ng	-0.05
86) Perylene-d12	15.47	264	253485	20.00	ng	-0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	980441	100.04	ng	-0.03
7) Phenol-d6	6.50	99	1224249	96.30	ng	-0.05
23) Nitrobenzene-d5	7.44	82	887592	88.02	ng	-0.05
41) 2,4,6-Tribromophenol	10.70	330	232870	97.68	ng	-0.06
44) 2-Fluorobiphenyl	9.24	172	1200283	80.45	ng	-0.05
78) Terphenyl-d14	12.98	244	779195	64.87	ng	-0.05

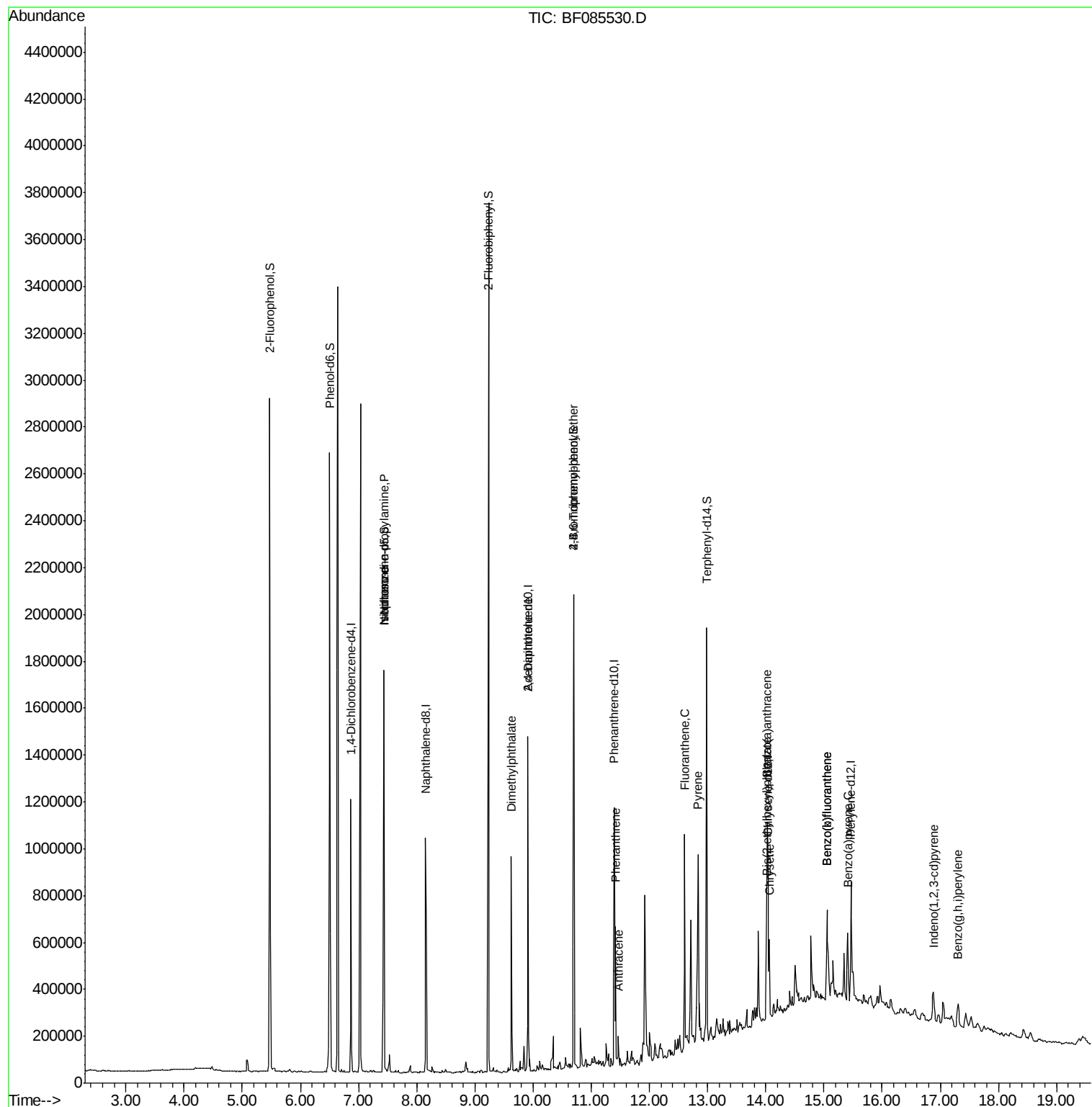
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	116930	15.36	ng	# 73
25) Isophorone	7.44	82	808558	39.32	ng	# 67
49) Dimethylphthalate	9.62	163	338028	17.90	ng	# 99
56) 2,4-Dinitrotoluene	9.91	165	34242	6.54	ng	# 22
66) 4-Bromophenyl-phenylether	10.70	248	16520	3.93	ng	# 1
70) Phenanthrene	11.42	178	222869	10.29	ng	97
71) Anthracene	11.46	178	52207	2.37	ng	99
74) Fluoranthene	12.61	202	383982	18.87	ng	97
77) Pyrene	12.84	202	364781	17.90	ng	97
80) Benzo(a)anthracene	14.02	228	168275	10.80	ng	96
82) Chrysene	14.06	228	146991	10.49	ng	98
83) Bis(2-ethylhexyl)phthalate	14.01	149	44319	4.08	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.88	276	84748	6.38	ng	92
87) Benzo(b)fluoranthene	15.05	252	270819	16.36	ng	99
88) Benzo(k)fluoranthene	15.05	252	270819	20.89	ng	98
89) Benzo(a)pyrene	15.41	252	143512	10.03	ng	# 94
91) Benzo(a,h,i)perylene	17.31	276	83006	5.82	ng	96

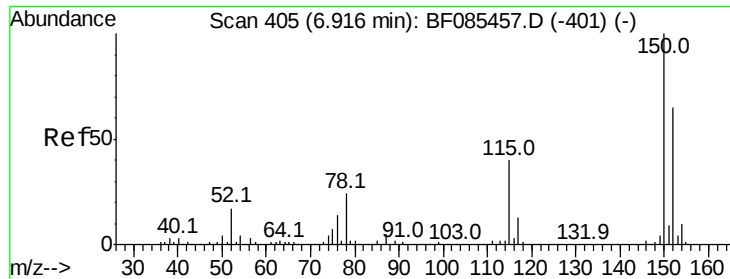
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.87 min Scan# 401

Delta R.T. -0.05 min

Lab File: BF085530.D

Acq: 18 Mar 2016 11:05

Instrument :

BNA_F

ClientSampleId :

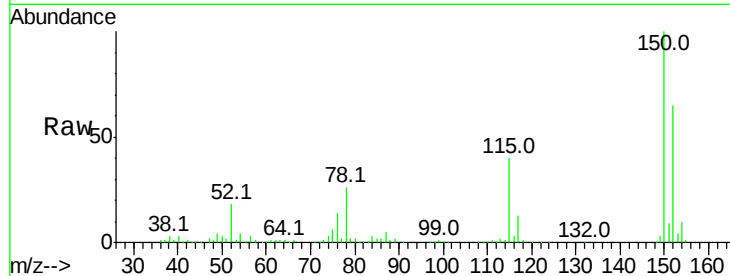
Tot Ion:152 Resp: 168464

Ion Ratio Lower Upper

152 100

150 153.8 124.6 186.8

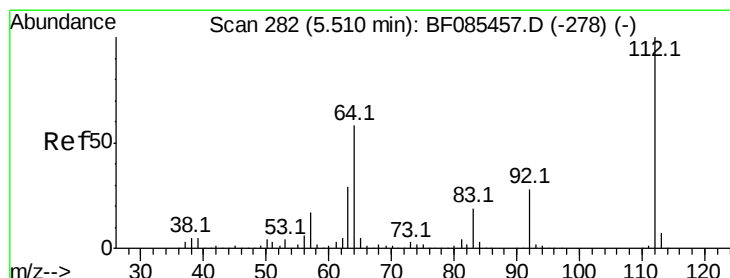
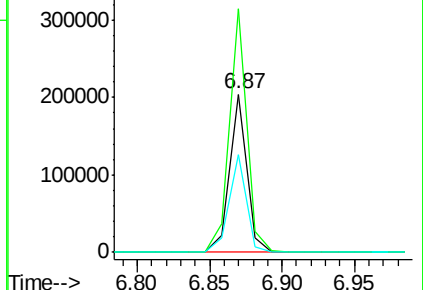
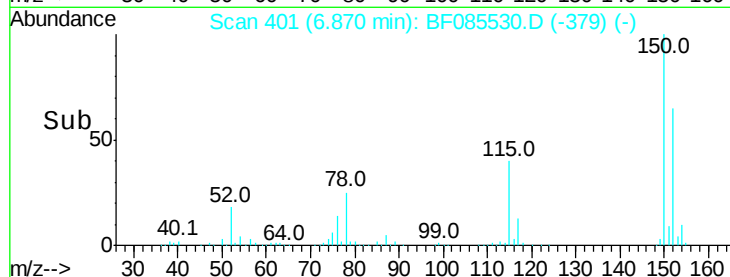
115 62.1 46.6 70.0



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: 100.04 ng

RT: 5.48 min Scan# 279

Delta R.T. -0.03 min

Lab File: BF085530.D

Acq: 18 Mar 2016 11:05

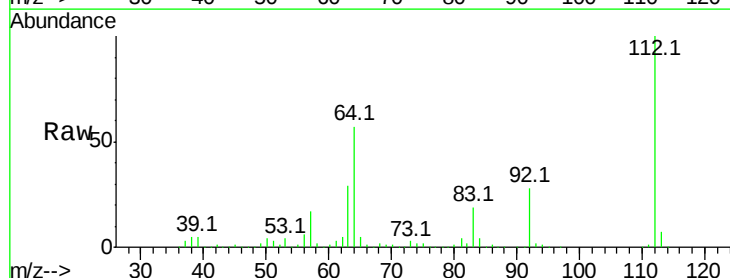
Tgt Ion:112 Resp: 980441

Ion Ratio Lower Upper

112 100

64 57.0 49.0 73.4

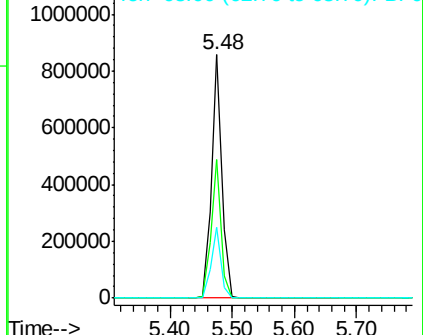
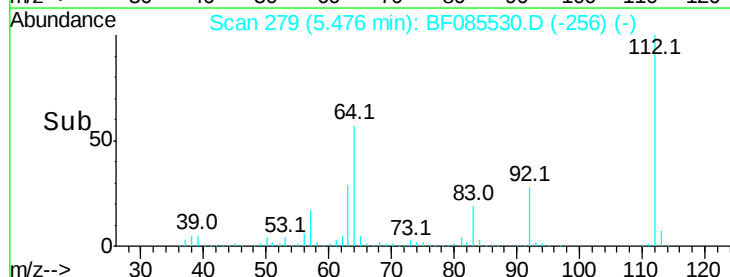
63 28.9 24.8 37.2

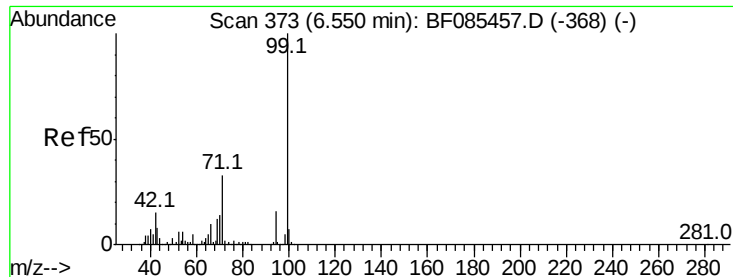


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 96.30 ng

RT: 6.50 min Scan# 369

Delta R.T. -0.05 min

Lab File: BF085530.D

Acq: 18 Mar 2016 11:05

Instrument :

BNA_F

ClientSampled :

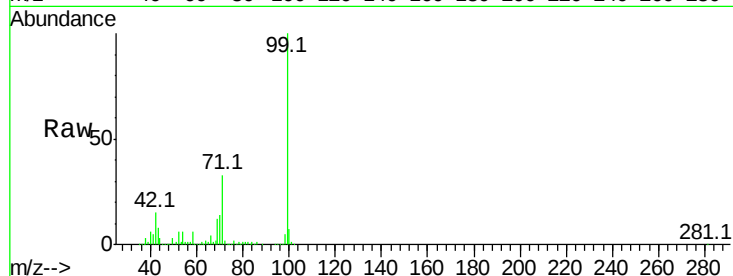
Tot Ion: 99 Resp: 1224249

Ion Ratio Lower Upper

99 100

42 15.4 13.6 20.4

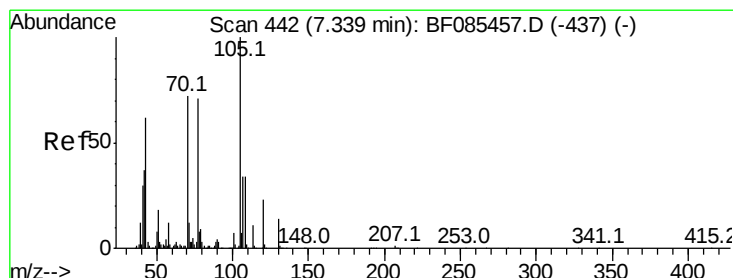
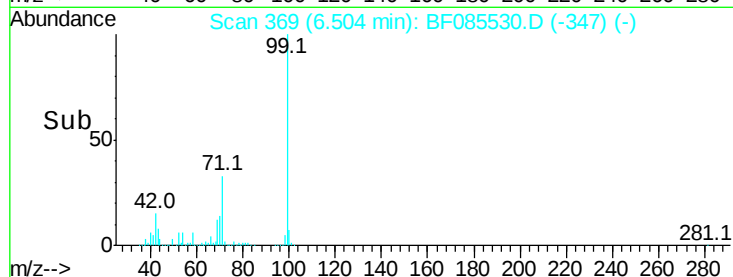
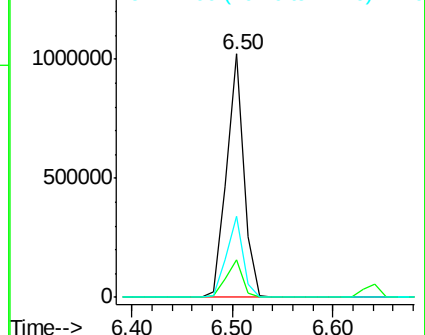
71 33.4 26.7 40.1



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: 15.36 ng

RT: 7.44 min Scan# 451

Delta R.T. 0.10 min

Lab File: BF085530.D

Acq: 18 Mar 2016 11:05

Tgt Ion: 70 Resp: 116930

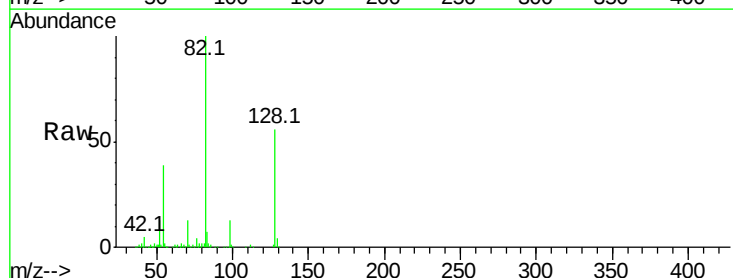
Ion Ratio Lower Upper

70 100

42 36.0 37.7 56.5#

101 0.0 8.2 12.4#

130 2.9 20.5 30.7#

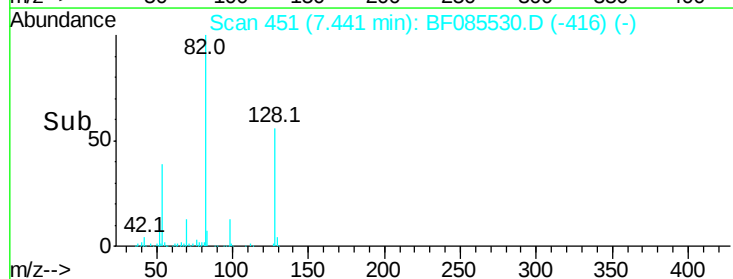
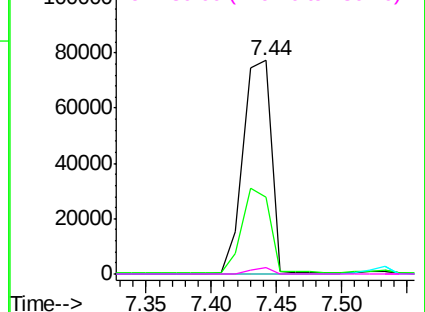


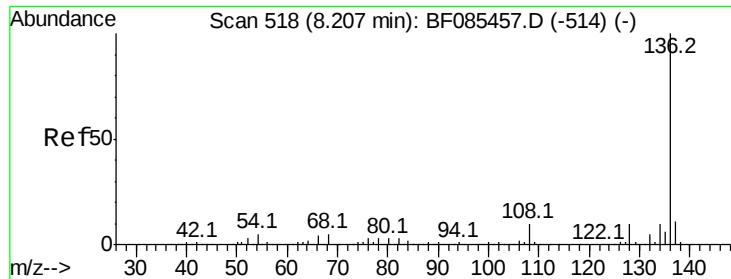
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

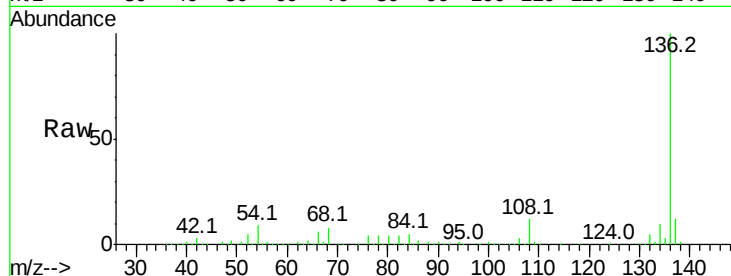




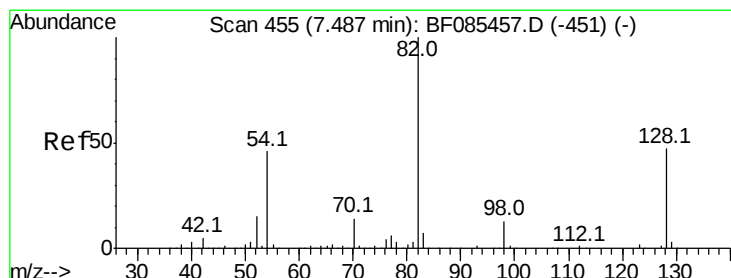
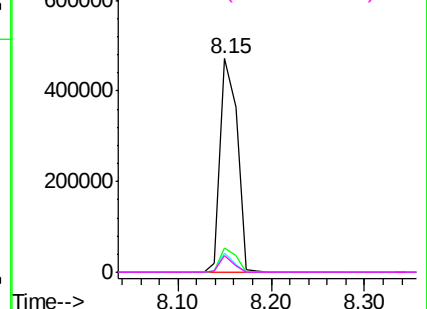
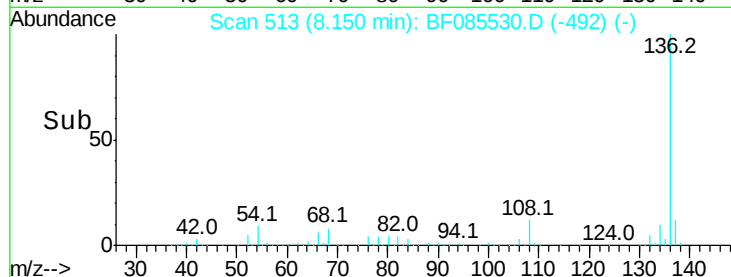
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 513
Delta R.T. -0.06 min
Lab File: BF085530.D
Acq: 18 Mar 2016 11:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	596222
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.3	13.9
54	9.2	7.4	11.2
68	7.6	6.0	9.0

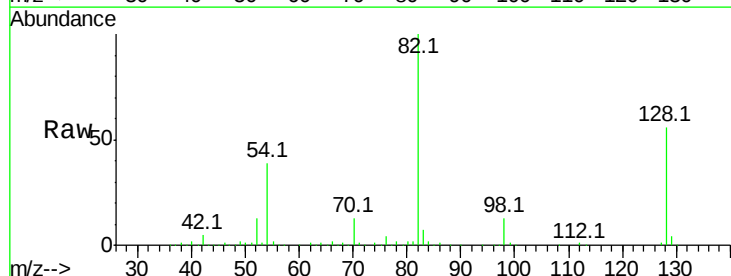


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

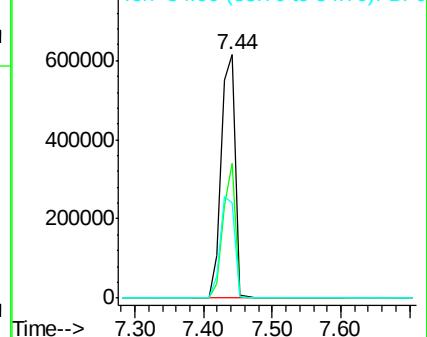
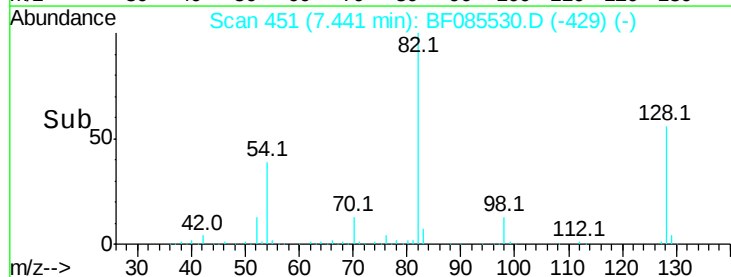


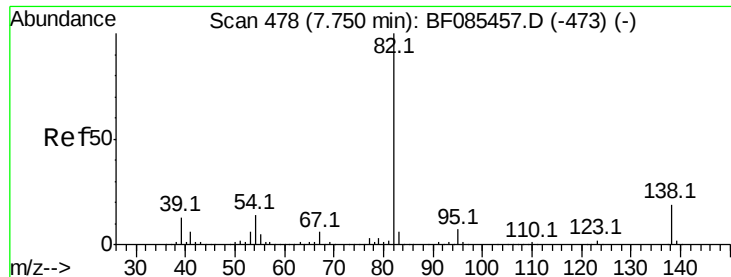
#23
Nitrobenzene-d5
Concen: 88.02 ng
RT: 7.44 min Scan# 451
Delta R.T. -0.05 min
Lab File: BF085530.D
Acq: 18 Mar 2016 11:05

Tgt Ion:	82	Resp:	887592
Ion	Ratio	Lower	Upper
82	100		
128	55.6	34.5	51.7#
54	39.2	39.3	58.9#



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





#25

Isophorone

Concen: 39.32 ng

RT: 7.44 min Scan# 451

Delta R.T. -0.31 min

Lab File: BF085530.D

Acq: 18 Mar 2016 11:05

Instrument :

BNA_F

ClientSampleId :

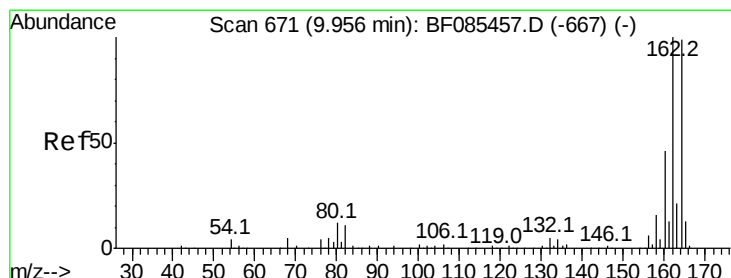
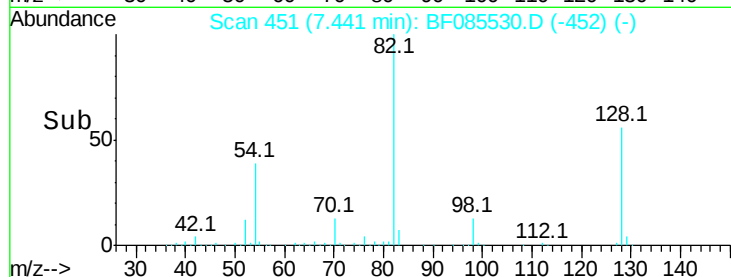
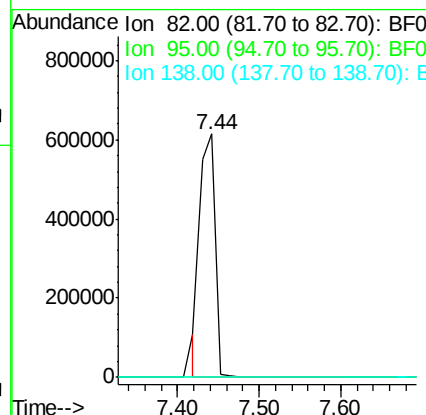
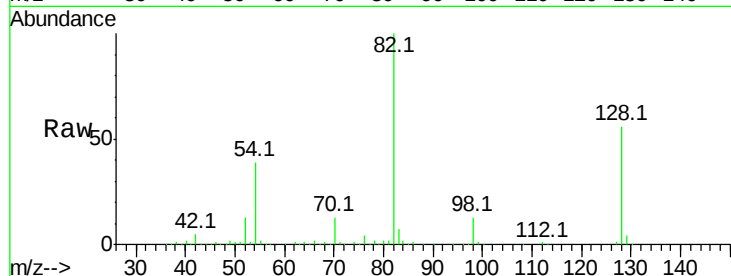
Tot Ion: 82 Resp: 808558

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 13.3 19.9#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.91 min Scan# 667

Delta R.T. -0.05 min

Lab File: BF085530.D

Acq: 18 Mar 2016 11:05

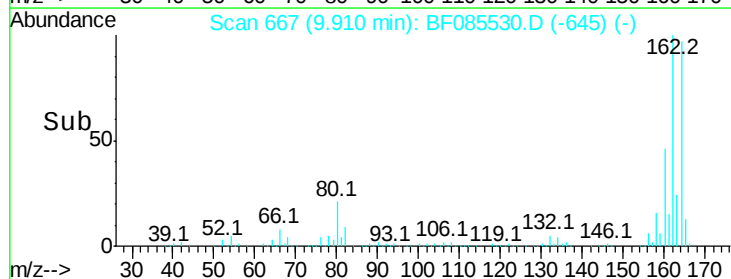
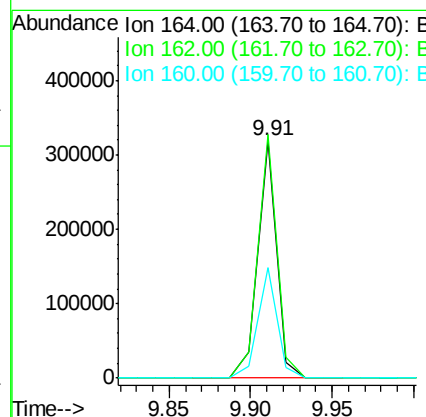
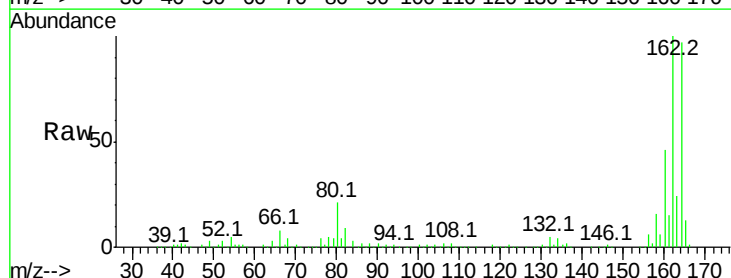
Tgt Ion:164 Resp: 258823

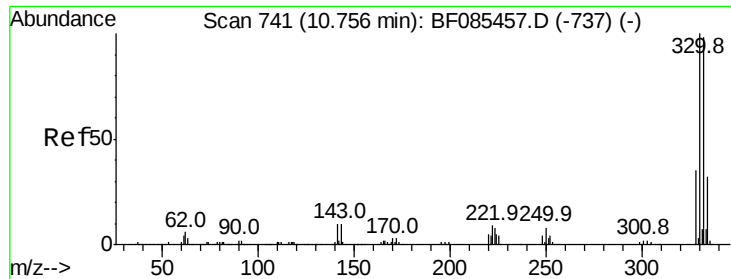
Ion Ratio Lower Upper

164 100

162 102.6 83.3 124.9

160 46.7 37.9 56.9

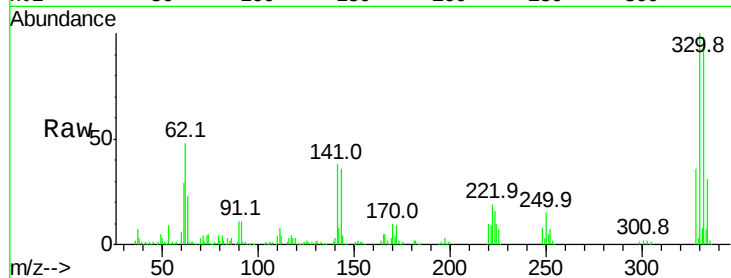




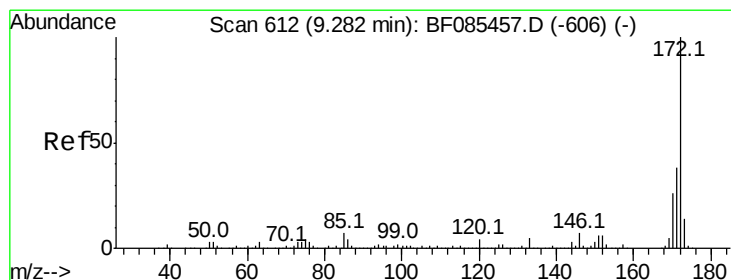
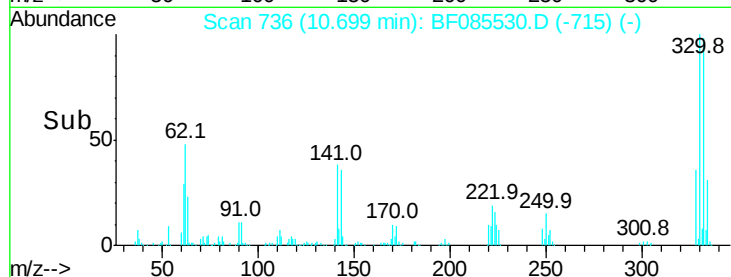
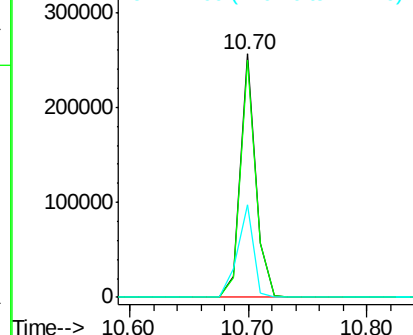
#41
 2,4,6-Tribromophenol
 Concen: 97.68 ng
 RT: 10.70 min Scan# 736
 Delta R.T. -0.06 min
 Lab File: BF085530.D
 Acq: 18 Mar 2016 11:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 232870
 Ion Ratio Lower Upper
 330 100
 332 97.6 77.1 115.7
 141 40.1 35.0 52.6

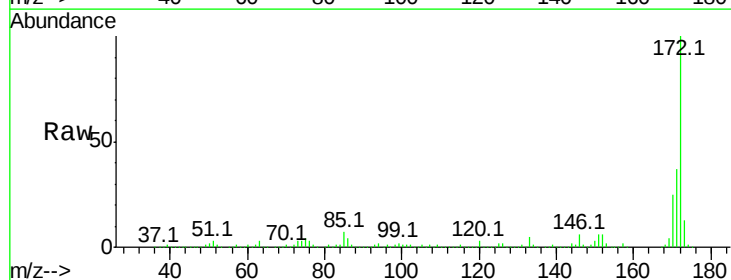


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

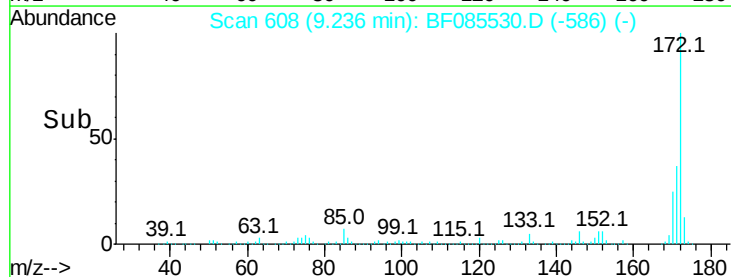
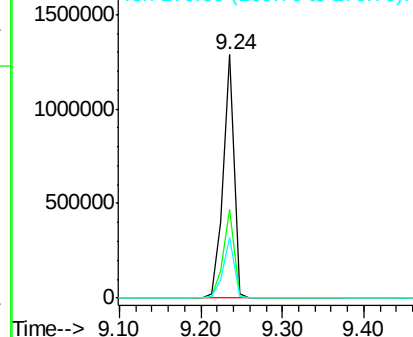


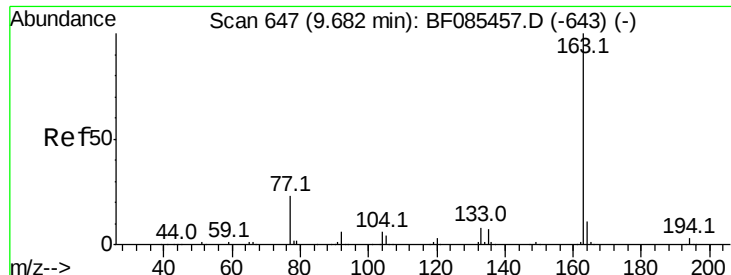
#44
 2-Fluorobiphenyl
 Concen: 80.45 ng
 RT: 9.24 min Scan# 608
 Delta R.T. -0.05 min
 Lab File: BF085530.D
 Acq: 18 Mar 2016 11:05

Tgt Ion:172 Resp: 1200283
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.3 43.9
 170 24.7 20.0 30.0



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

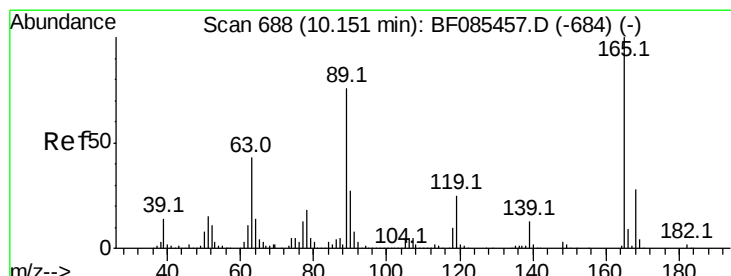
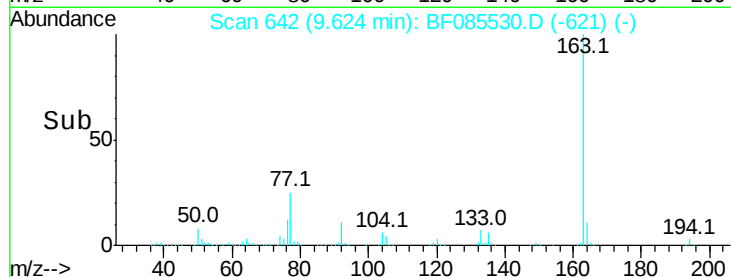
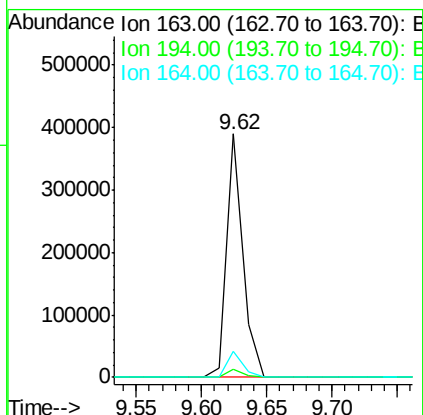
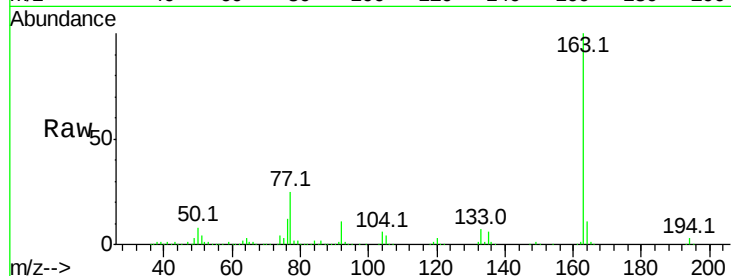




#49
Dimethylphthalate
Concen: 17.90 ng
RT: 9.62 min Scan# 642
Delta R.T. -0.06 min
Lab File: BF085530.D
Acq: 18 Mar 2016 11:05

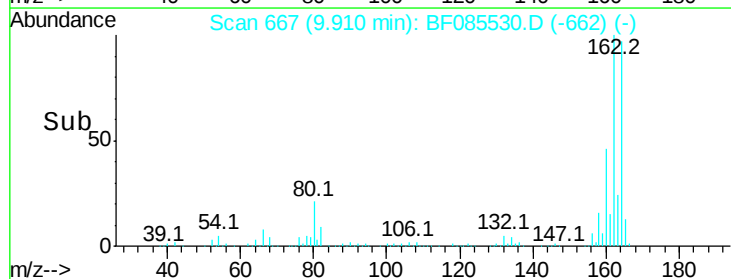
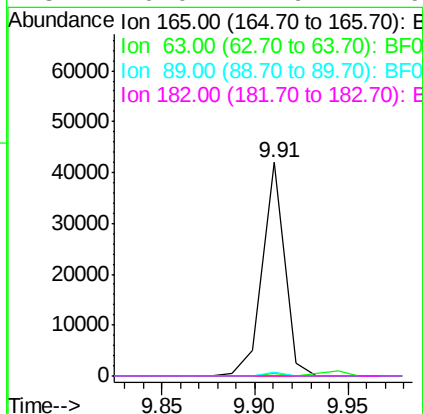
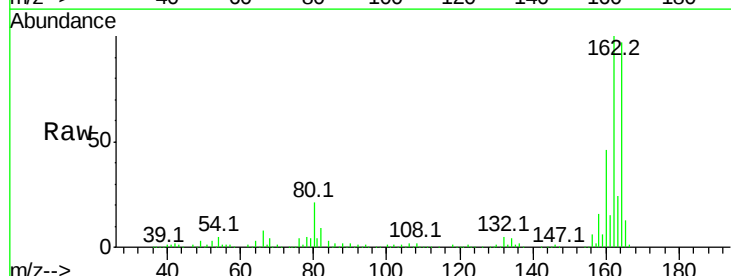
Instrument :
BNA_F
ClientSampled :

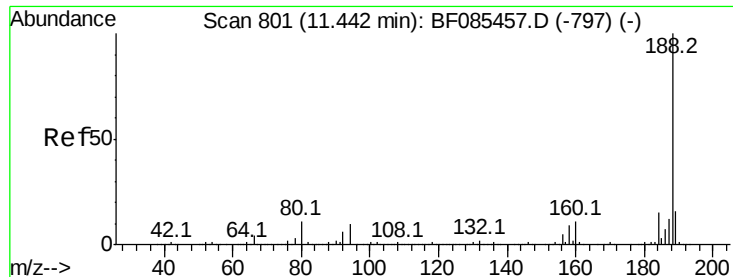
Tot Ion:163 Resp: 338028
Ion Ratio Lower Upper
163 100
194 3.1 3.1 4.7#
164 10.7 8.2 12.4



#56
2,4-Dinitrotoluene
Concen: 6.54 ng
RT: 9.91 min Scan# 667
Delta R.T. -0.24 min
Lab File: BF085530.D
Acq: 18 Mar 2016 11:05

Tgt Ion:165 Resp: 34242
Ion Ratio Lower Upper
165 100
63 1.3 35.4 53.0#
89 1.7 61.9 92.9#
182 0.0 1.9 2.9#

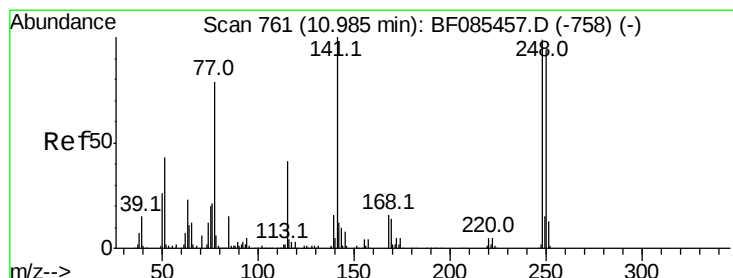
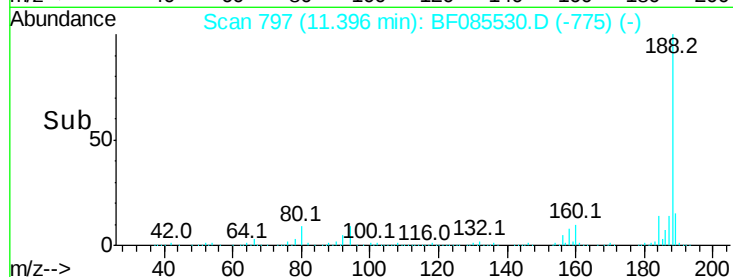
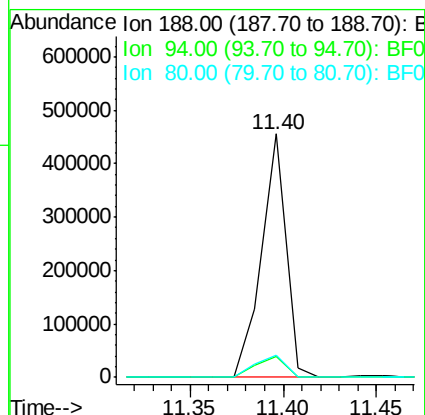
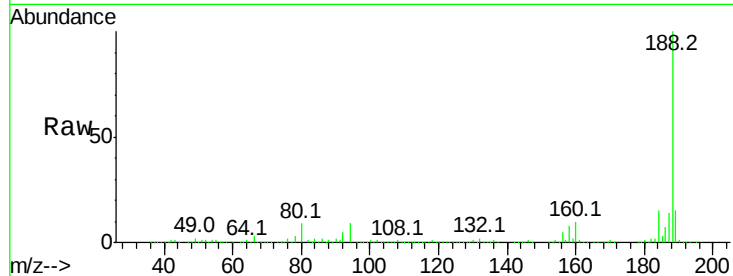




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 797
 Delta R.T. -0.05 min
 Lab File: BF085530.D
 Acq: 18 Mar 2016 11:05

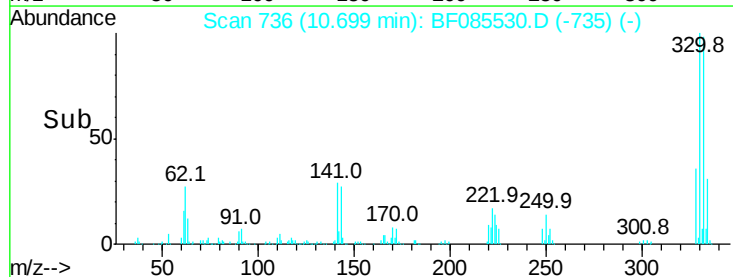
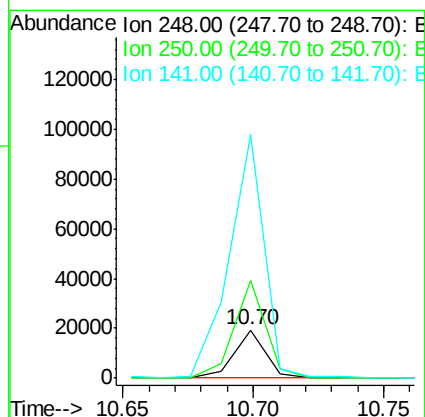
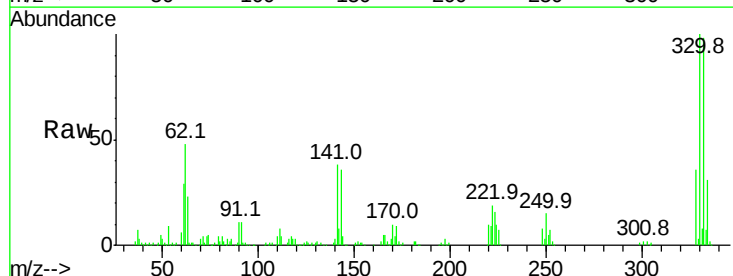
Instrument :
 BNA_F
 ClientSampleId :

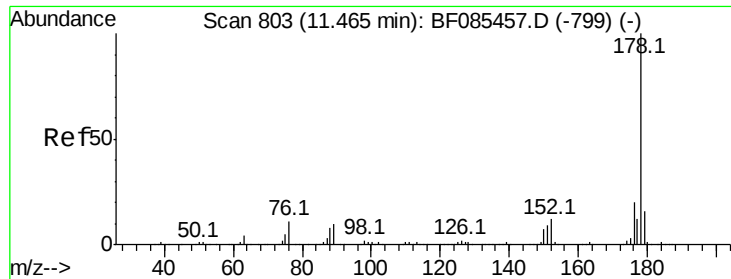
Tot Ion:188 Resp: 415688
 Ion Ratio Lower Upper
 188 100
 94 8.6 7.0 10.6
 80 8.9 7.4 11.0



#66
 4-Bromophenyl-phenylether
 Concen: 3.93 ng
 RT: 10.70 min Scan# 736
 Delta R.T. -0.29 min
 Lab File: BF085530.D
 Acq: 18 Mar 2016 11:05

Tgt Ion:248 Resp: 16520
 Ion Ratio Lower Upper
 248 100
 250 203.7 77.1 115.7#
 141 508.0 66.2 99.2#

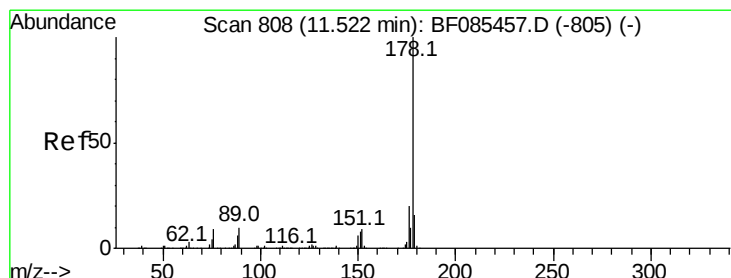
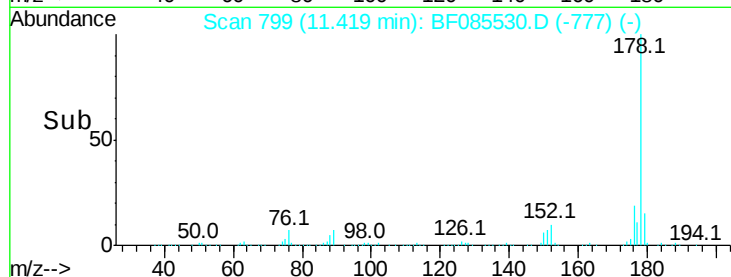
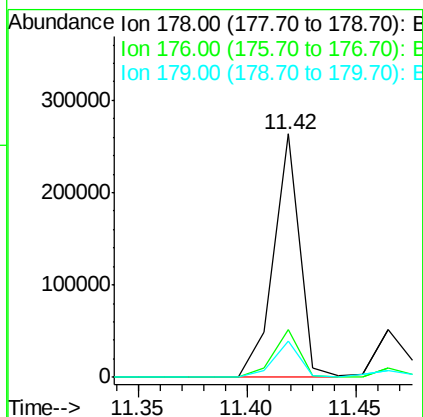
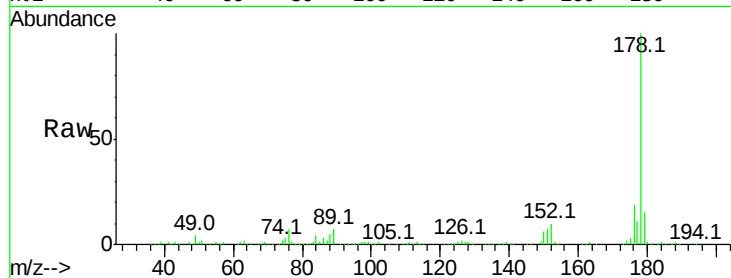




#70
Phenanthrene
Concen: 10.29 ng
RT: 11.42 min Scan# 799
Delta R.T. -0.05 min
Lab File: BF085530.D
Acq: 18 Mar 2016 11:05

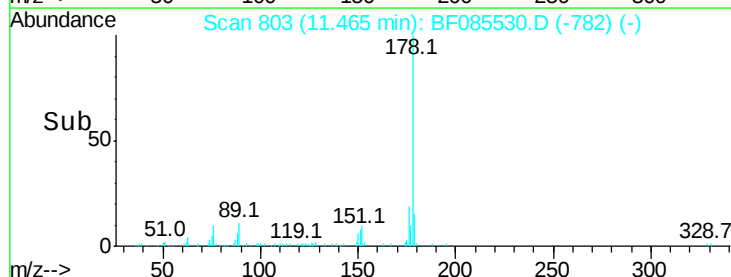
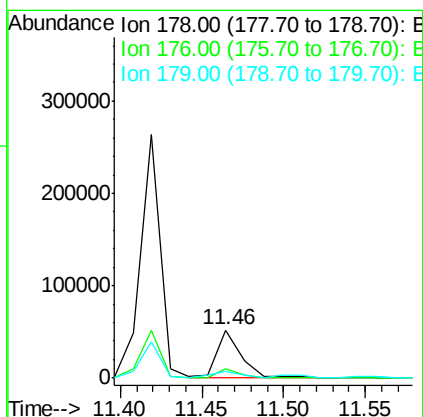
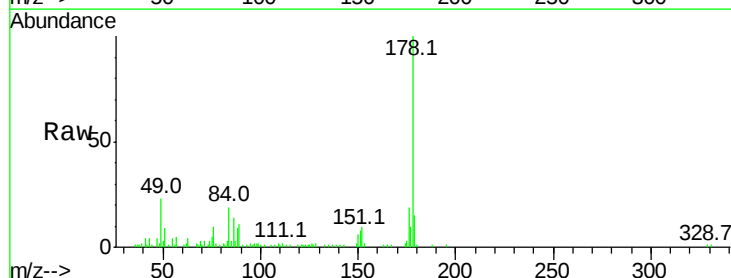
Instrument :
BNA_F
ClientSampleId :

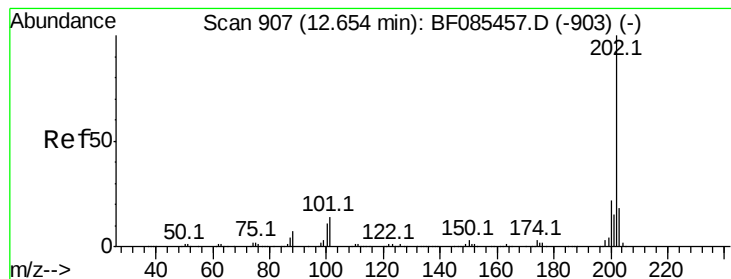
Tot Ion:178 Resp: 222869
Ion Ratio Lower Upper
178 100
176 19.5 16.8 25.2
179 15.2 13.1 19.7



#71
Anthracene
Concen: 2.37 ng
RT: 11.46 min Scan# 803
Delta R.T. -0.06 min
Lab File: BF085530.D
Acq: 18 Mar 2016 11:05

Tgt Ion:178 Resp: 52207
Ion Ratio Lower Upper
178 100
176 18.9 15.9 23.9
179 15.4 12.5 18.7





#74

Fluoranthene

Concen: 18.87 ng

RT: 12.61 min Scan# 903

Delta R.T. -0.05 min

Lab File: BF085530.D

Acq: 18 Mar 2016 11:05

Instrument :

BNA_F

ClientSampled :

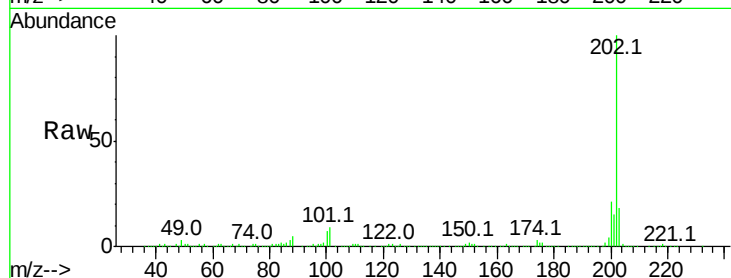
Tot Ion:202 Resp: 383982

Ion Ratio Lower Upper

202 100

101 9.5 0.0 31.8

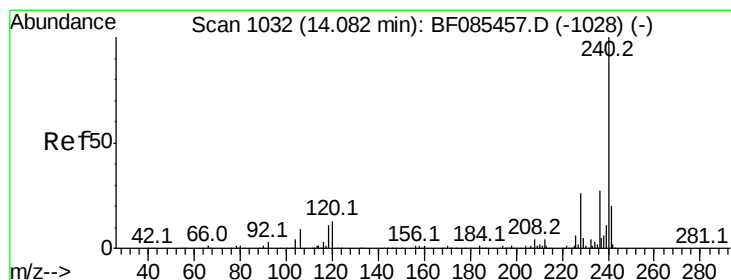
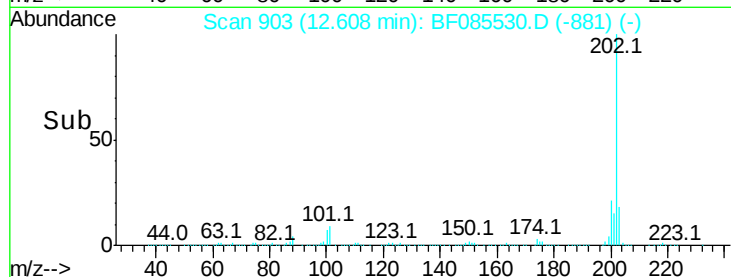
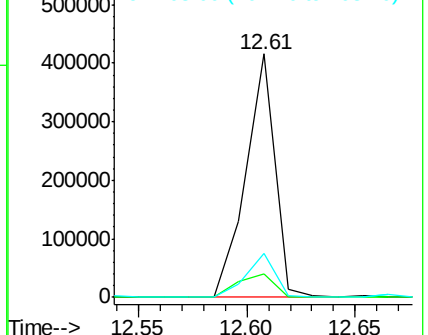
203 18.0 0.0 38.4



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: 14.04 min Scan# 1028

Delta R.T. -0.05 min

Lab File: BF085530.D

Acq: 18 Mar 2016 11:05

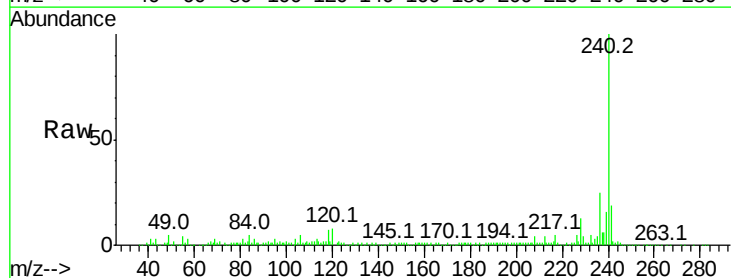
Tgt Ion:240 Resp: 271721

Ion Ratio Lower Upper

240 100

120 8.0 5.3 7.9#

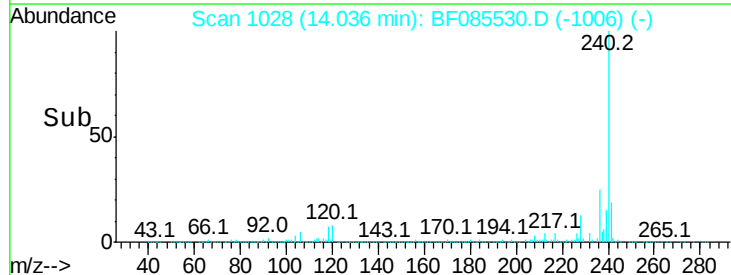
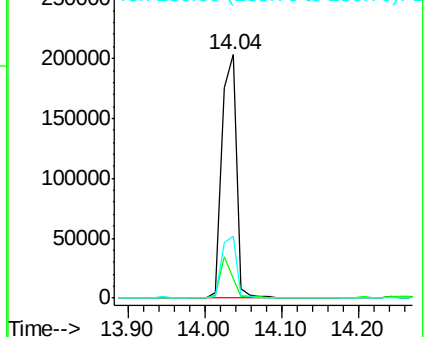
236 25.4 20.7 31.1

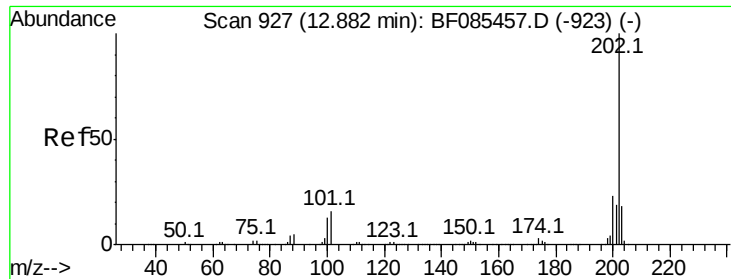


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 17.90 ng

RT: 12.84 min Scan# 923

Delta R.T. -0.05 min

Lab File: BF085530.D

Acq: 18 Mar 2016 11:05

Instrument :

BNA_F

ClientSampled :

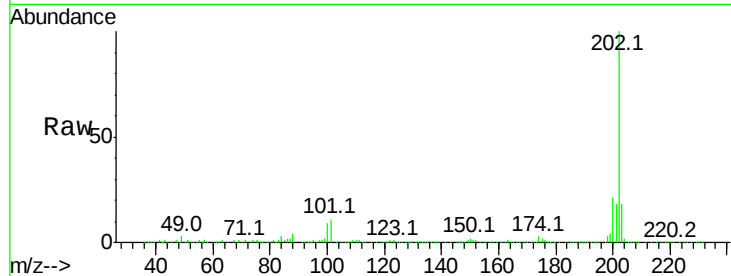
Tot Ion:202 Resp: 364781

Ion Ratio Lower Upper

202 100

200 20.9 18.2 27.4

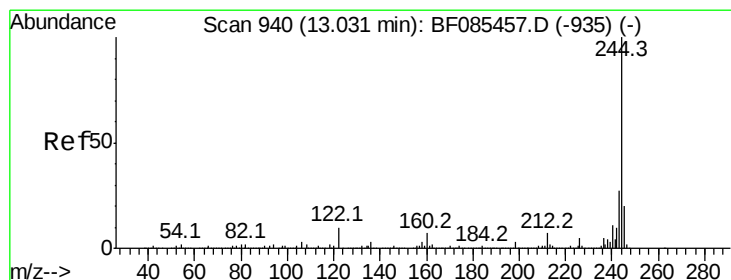
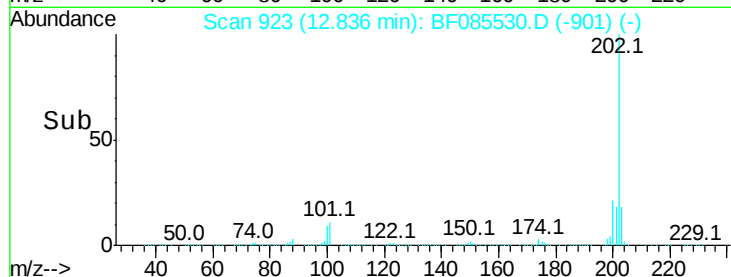
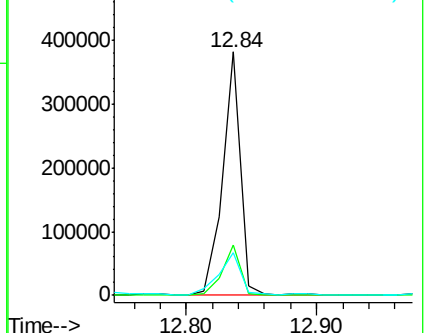
203 17.7 14.7 22.1



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: 64.87 ng

RT: 12.98 min Scan# 936

Delta R.T. -0.05 min

Lab File: BF085530.D

Acq: 18 Mar 2016 11:05

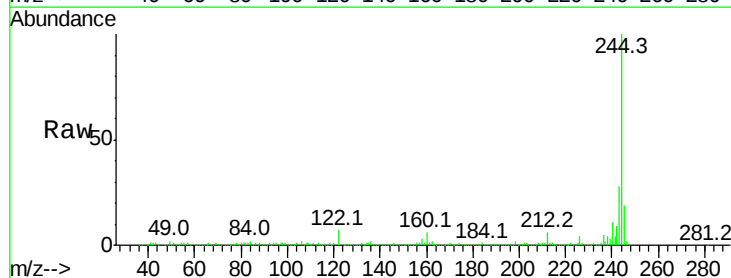
Tgt Ion:244 Resp: 779195

Ion Ratio Lower Upper

244 100

212 6.4 6.4 9.6#

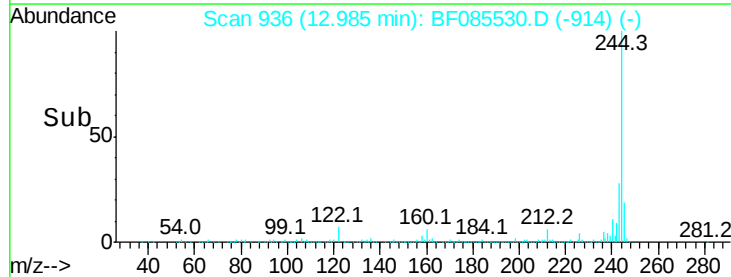
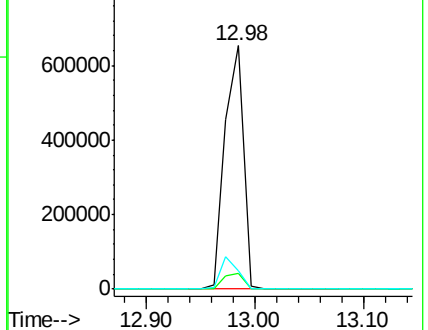
122 7.3 11.4 17.2#

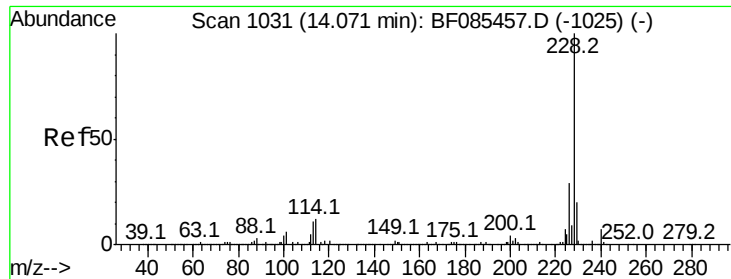


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

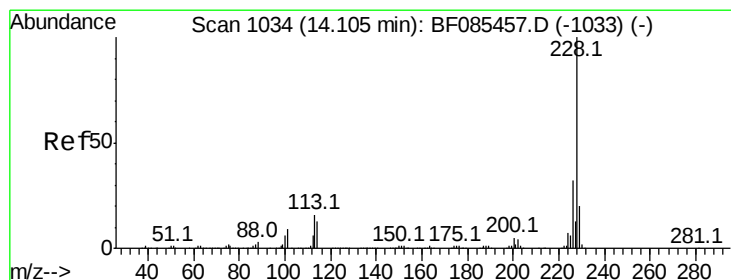
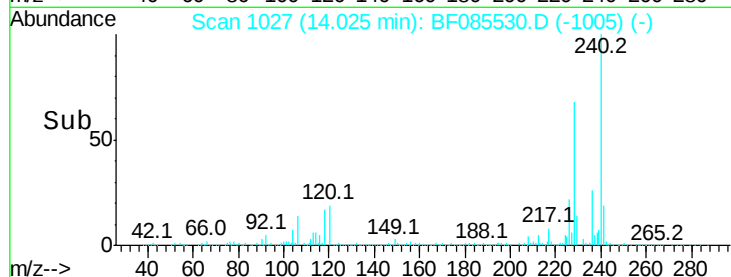
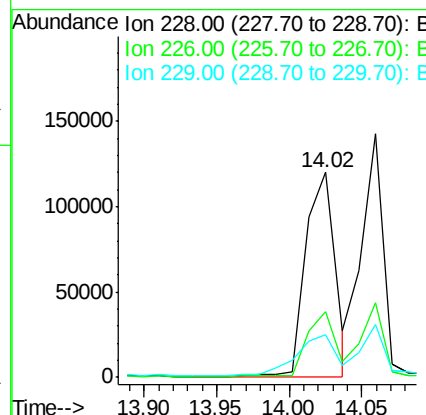
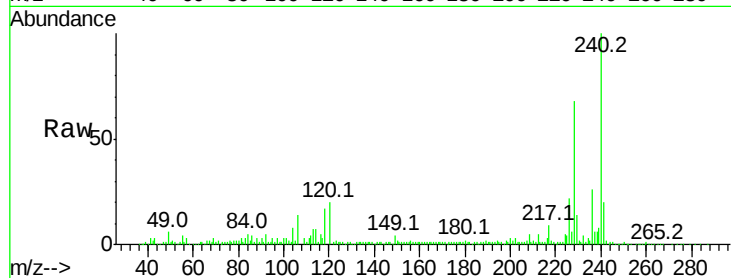




#80
Benzo(a)anthracene
Concen: 10.80 ng
RT: 14.02 min Scan# 1027
Delta R.T. -0.05 min
Lab File: BF085530.D
Acq: 18 Mar 2016 11:05

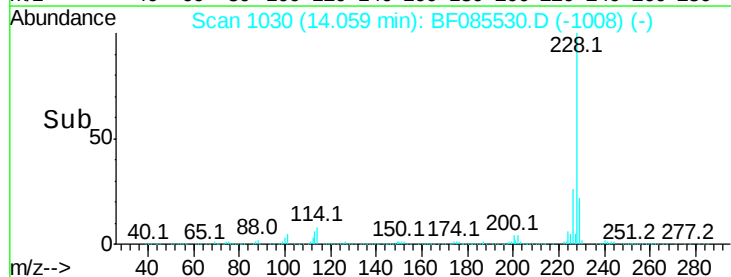
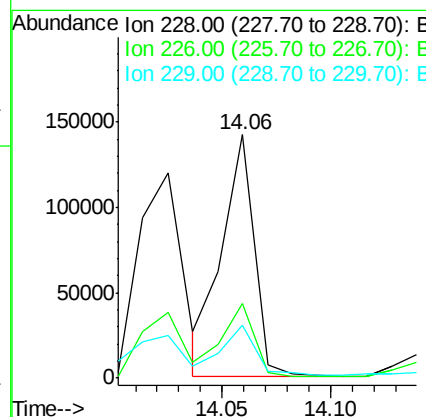
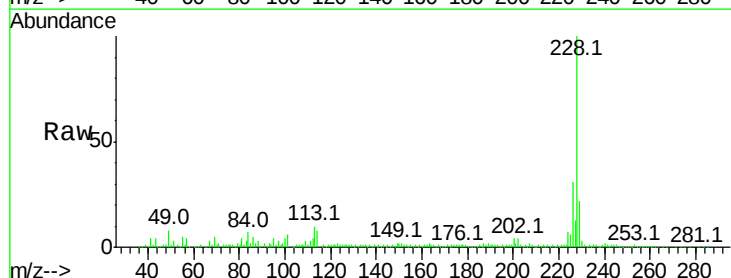
Instrument :
BNA_F
ClientSampleId :

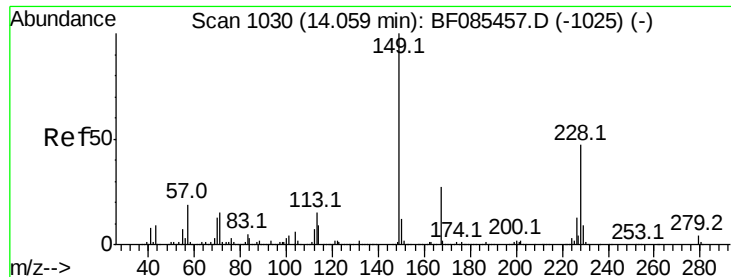
Tot Ion:228 Resp: 168275
Ion Ratio Lower Upper
228 100
226 32.1 22.8 34.2
229 21.0 16.6 24.8



#82
Chrysene
Concen: 10.49 ng
RT: 14.06 min Scan# 1030
Delta R.T. -0.05 min
Lab File: BF085530.D
Acq: 18 Mar 2016 11:05

Tgt Ion:228 Resp: 146991
Ion Ratio Lower Upper
228 100
226 30.7 25.2 37.8
229 21.6 16.0 24.0

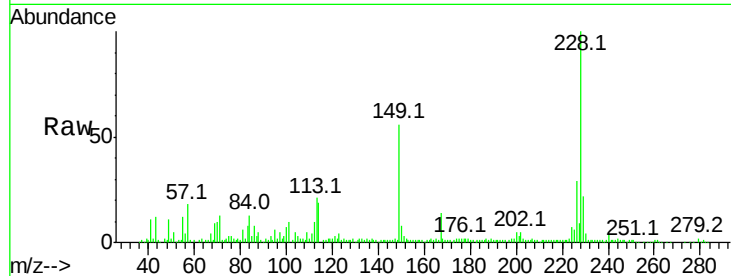




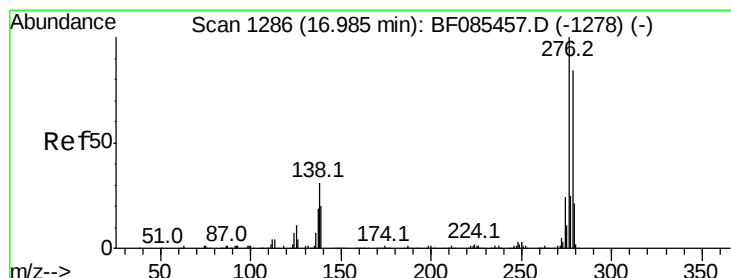
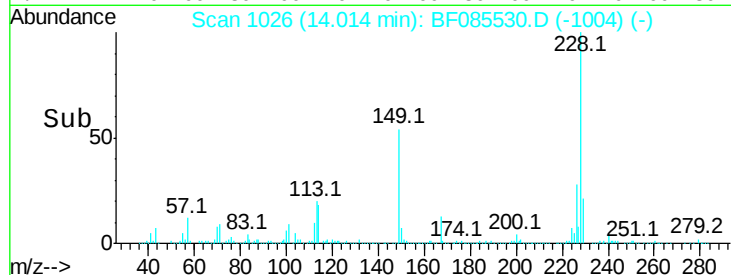
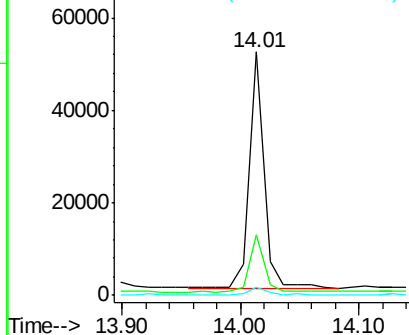
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.08 ng
 RT: 14.01 min Scan# 1026
 Delta R.T. -0.05 min
 Lab File: BF085530.D
 Acq: 18 Mar 2016 11:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:149 Resp: 44319
 Ion Ratio Lower Upper
 149 100
 167 24.8 20.3 30.5
 279 3.2 1.9 2.9#

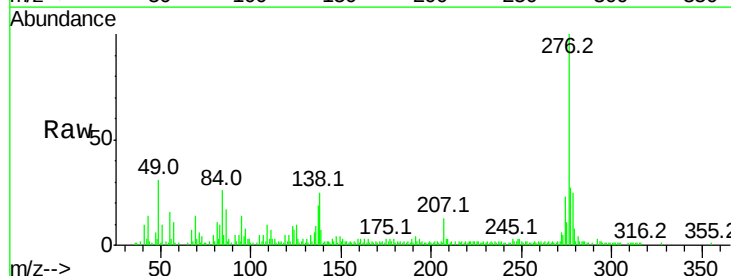


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

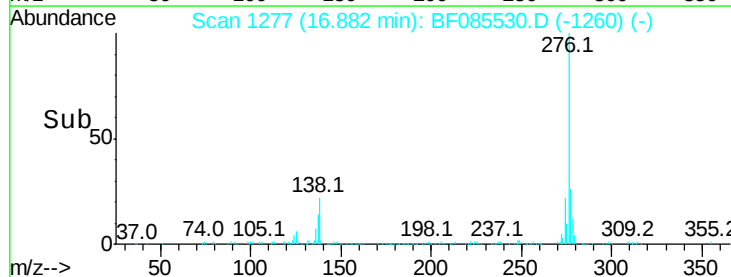
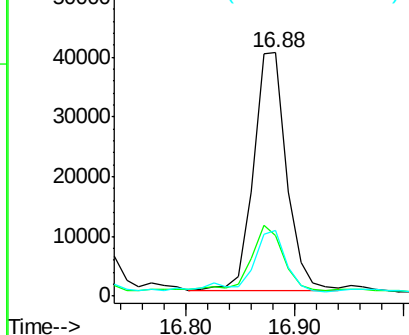


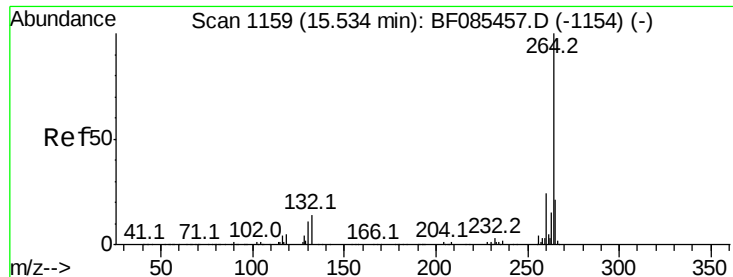
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.38 ng
 RT: 16.88 min Scan# 1277
 Delta R.T. -0.10 min
 Lab File: BF085530.D
 Acq: 18 Mar 2016 11:05

Tgt Ion:276 Resp: 84748
 Ion Ratio Lower Upper
 276 100
 138 28.8 26.4 39.6
 277 29.4 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

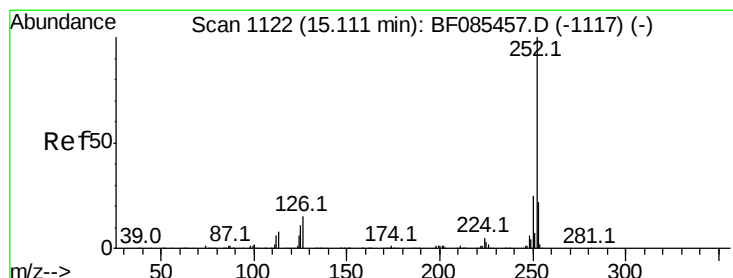
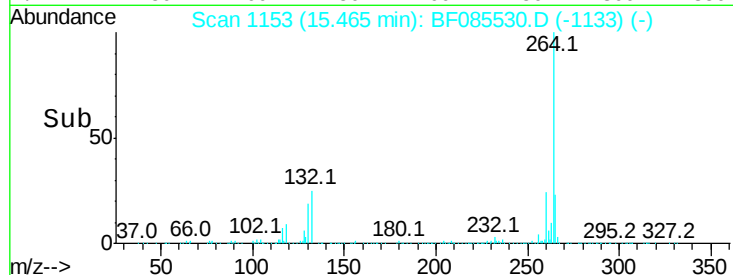
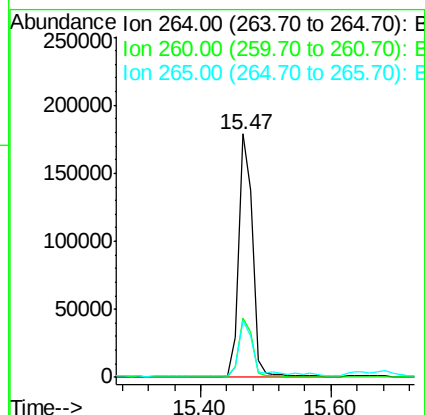
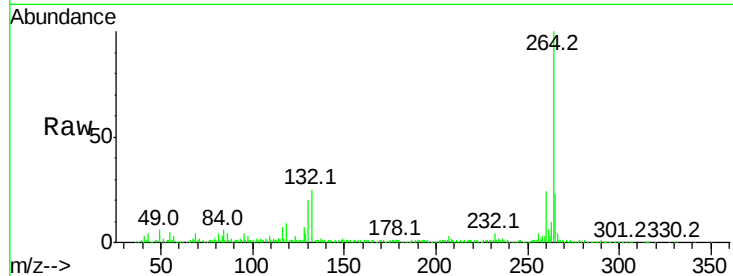




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.47 min Scan# 1153
Delta R.T. -0.07 min
Lab File: BF085530.D
Acq: 18 Mar 2016 11:05

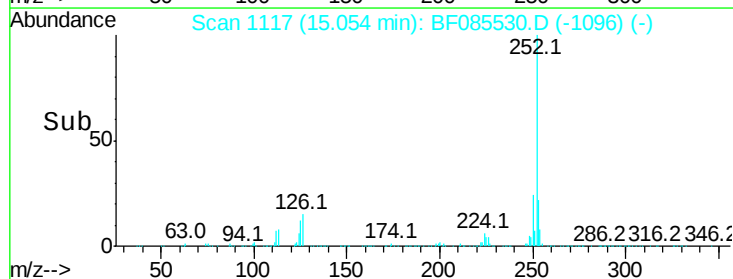
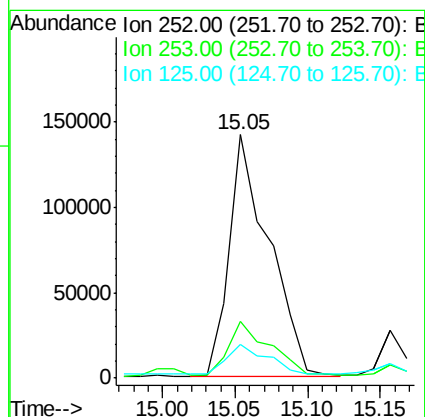
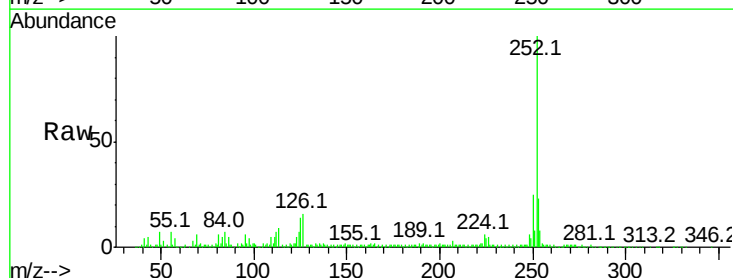
Instrument :
BNA_F
ClientSampleId :

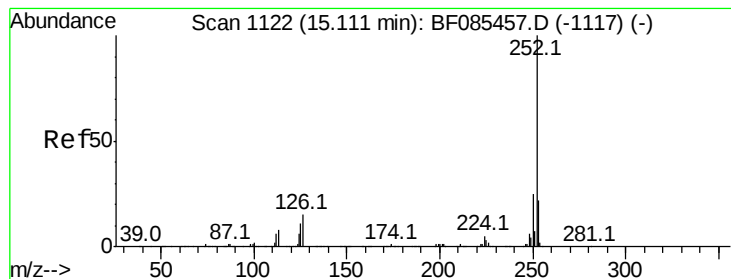
Tot Ion:264 Resp: 253485
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 23.1 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 16.36 ng
RT: 15.05 min Scan# 1117
Delta R.T. -0.06 min
Lab File: BF085530.D
Acq: 18 Mar 2016 11:05

Tgt Ion:252 Resp: 270819
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 13.9 11.3 16.9





#88

Benzo(k)fluoranthene

Concen: 20.89 ng

RT: 15.05 min Scan# 1117

Delta R.T. -0.09 min

Lab File: BF085530.D

Acq: 18 Mar 2016 11:05

Instrument :

BNA_F

ClientSampleId :

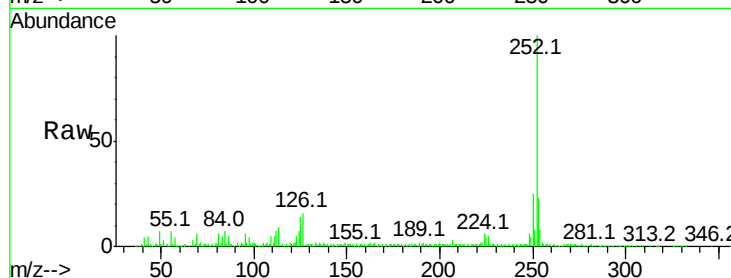
Tot Ion:252 Resp: 270819

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

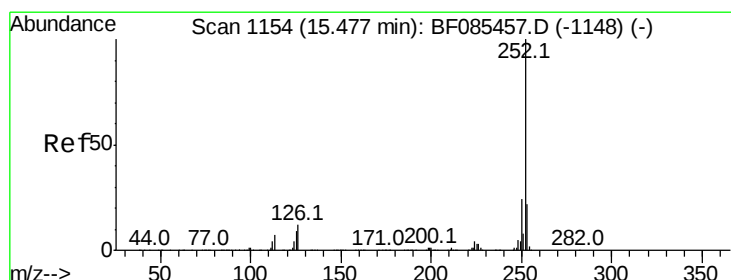
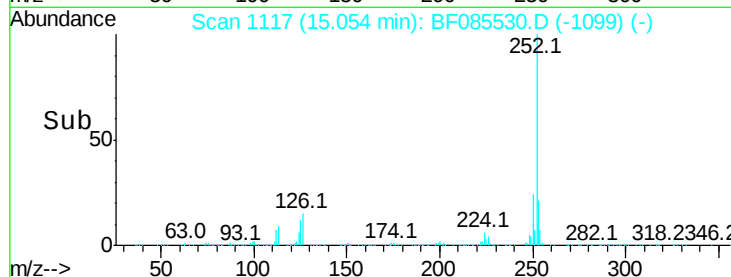
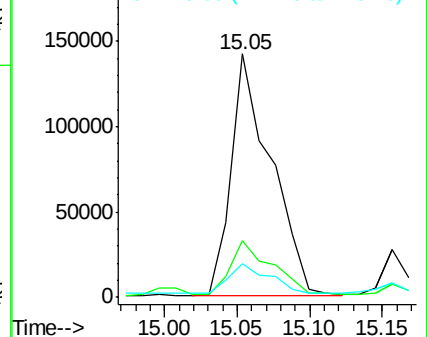
125 13.9 10.4 15.6



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: 10.03 ng

RT: 15.41 min Scan# 1148

Delta R.T. -0.07 min

Lab File: BF085530.D

Acq: 18 Mar 2016 11:05

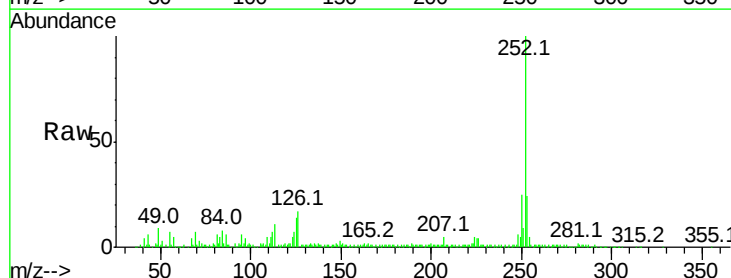
Tgt Ion:252 Resp: 143512

Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.0

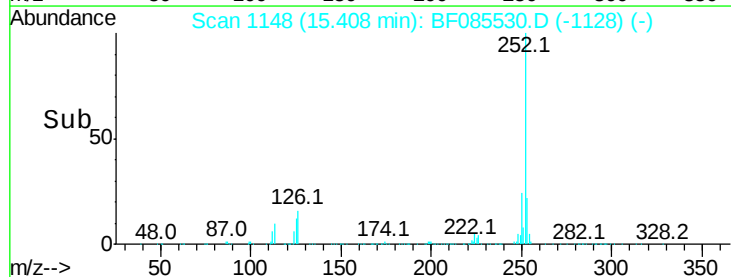
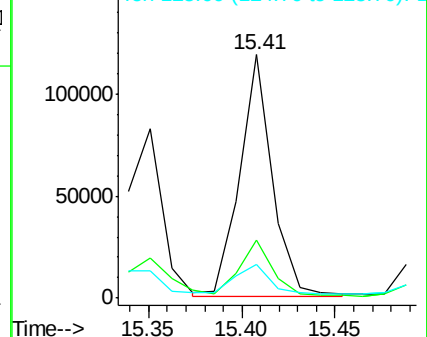
125 13.8 8.2 12.4#

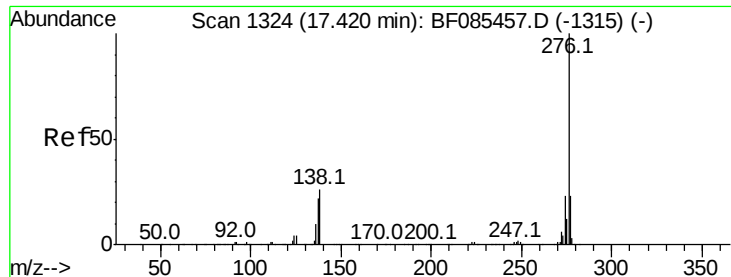


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

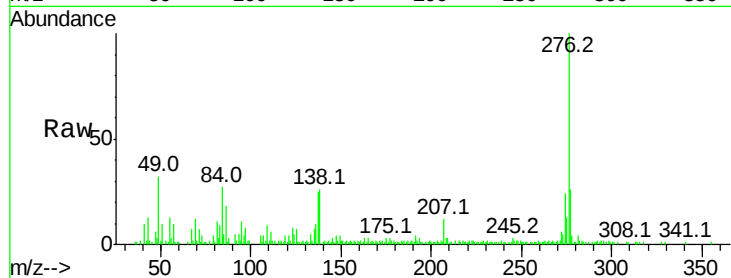




#91
 Benzo(a,h,i)perylene
 Concen: 5.82 ng
 RT: 17.31 min Scan# 1314
 Delta R.T. -0.11 min
 Lab File: BF085530.D
 Acq: 18 Mar 2016 11:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.0	28.4
138	26.3	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

