

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032916\
 Data File : BF085862.D
 Acq On : 29 Mar 2016 21:29
 Operator : UM/SJ
 Sample : H1970-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Mar 29 23:53:19 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 28 15:27:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	114282	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	449377	20.00	ng	-0.02
38) Acenaphthene-d10	9.84	164	194504	20.00	ng	-0.02
63) Phenanthrene-d10	11.33	188	341704	20.00	ng	-0.02
75) Chrysene-d12	13.97	240	215935	20.00	ng	-0.01
86) Perylene-d12	15.39	264	229586	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	960507	139.97	ng	0.00
7) Phenol-d6	6.45	99	1096487	125.68	ng	-0.01
23) Nitrobenzene-d5	7.37	82	688278	86.25	ng	-0.02
41) 2,4,6-Tribromophenol	10.64	330	227980	123.37	ng	-0.01
44) 2-Fluorobiphenyl	9.17	172	871565	74.87	ng	-0.02
78) Terphenyl-d14	12.92	244	534102	50.87	ng	-0.01

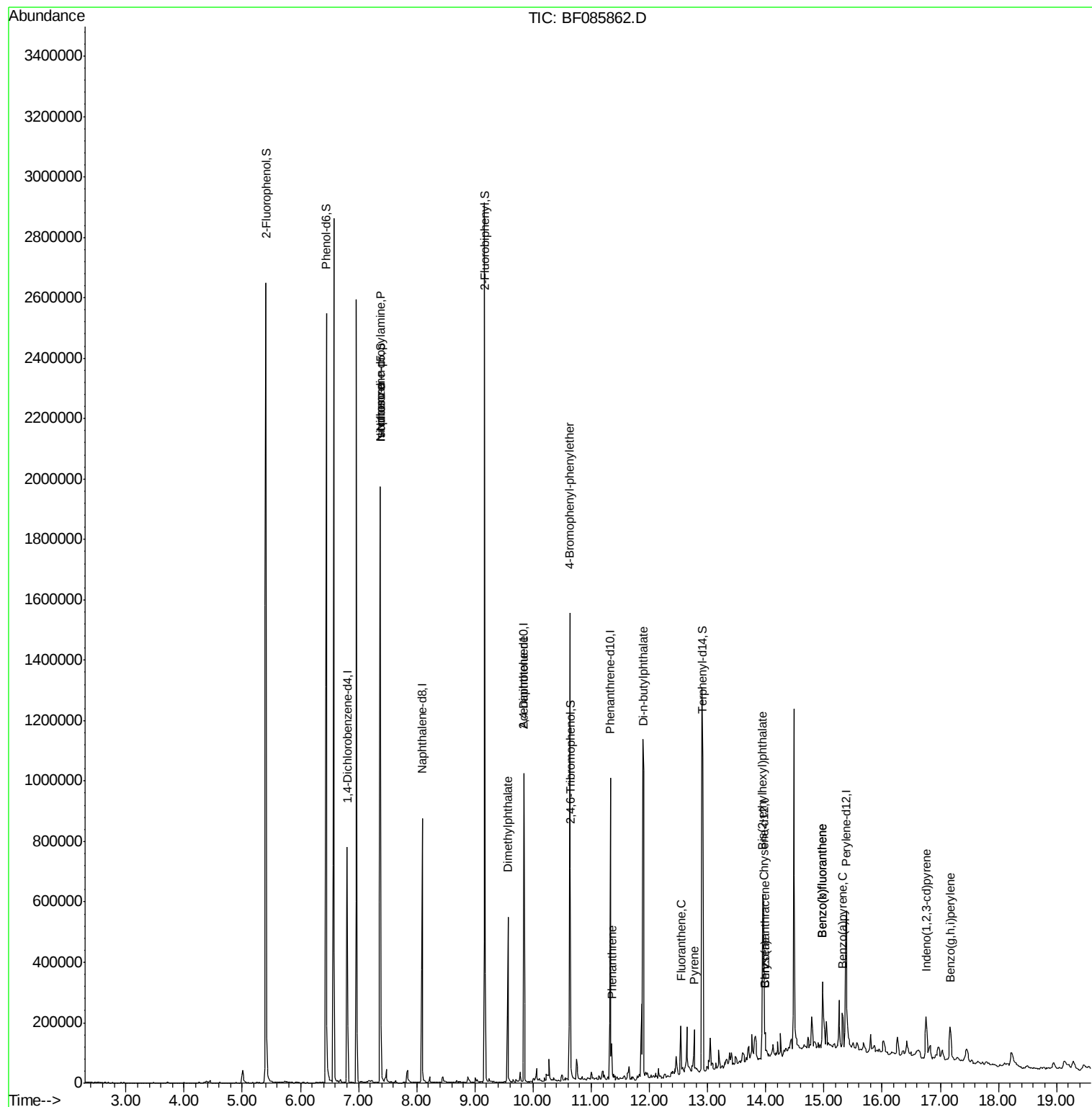
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	92308	17.67	ng	# 77
25) Isophorone	7.37	82	535556	34.84	ng	# 68
37) 2-Methylnaphthalene	8.80	142	851	Below Cal		# 73
49) Dimethylphthalate	9.57	163	249558	16.91	ng	99
56) 2,4-Dinitrotoluene	9.84	165	25028	6.20	ng	# 37
66) 4-Bromophenyl-phenylether	10.63	248	14230	4.07	ng	# 1
70) Phenanthrene	11.35	178	40990	2.34	ng	98
73) Di-n-butylphthalate	11.90	149	876859	41.32	ng	# 98
74) Fluoranthene	12.54	202	63707	3.42	ng	90
77) Pyrene	12.77	202	56860	3.20	ng	99
80) Benzo(a)anthracene	13.99	228	47557	3.86	ng	95
82) Chrysene	13.99	228	47557	3.83	ng	98
83) Bis(2-ethylhexyl)phthalate	13.95	149	142024	15.96	ng	# 100
85) Indeno(1,2,3-cd)pyrene	16.76	276	85330	8.91	ng	93
87) Benzo(b)fluoranthene	14.97	252	139950	9.68	ng	98
88) Benzo(k)fluoranthene	14.97	252	139950	10.73	ng	# 95
89) Benzo(a)pyrene	15.32	252	52975	4.13	ng	# 93
91) Benzo(g,h,i)perylene	17.17	276	90827	7.52	ng	99

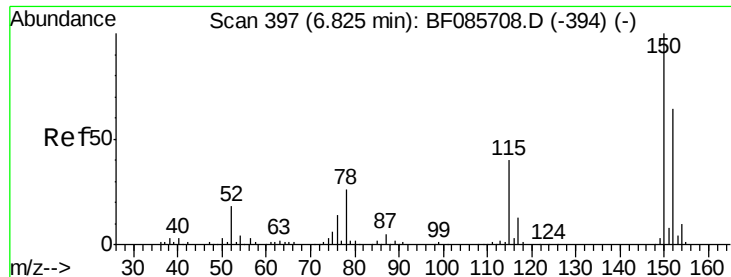
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 395

Delta R.T. -0.02 min

Lab File: BF085862.D

Acq: 29 Mar 2016 21:29

Instrument :

BNA_F

ClientSampleId :

TP-3

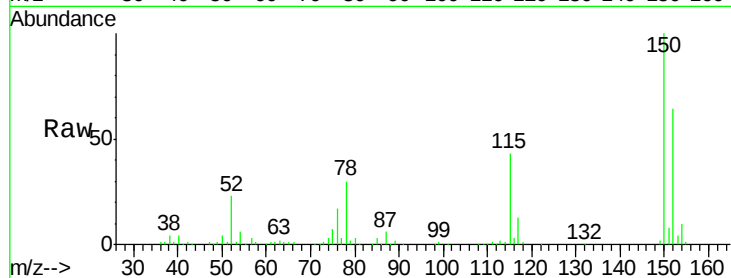
Tgt Ion:152 Resp: 114282

Ion Ratio Lower Upper

152 100

150 157.2 124.2 186.2

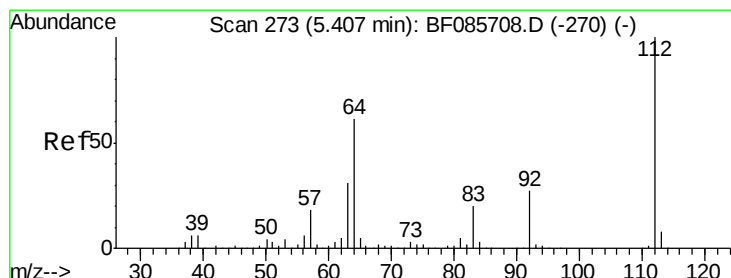
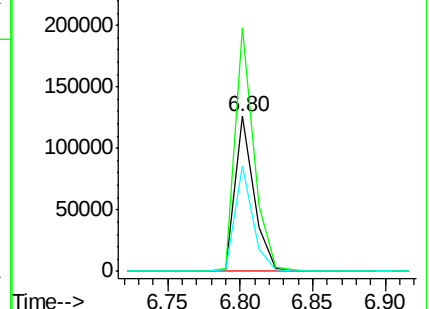
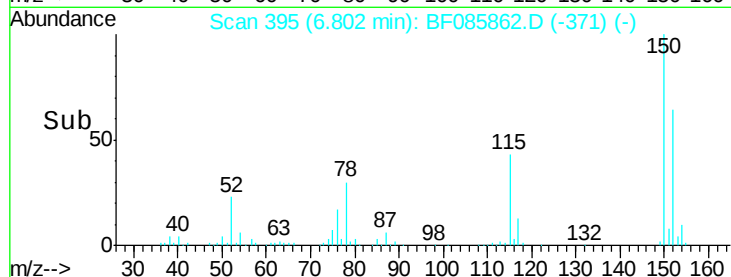
115 67.8 47.0 70.6



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: 139.97 ng

RT: 5.41 min Scan# 273

Delta R.T. 0.00 min

Lab File: BF085862.D

Acq: 29 Mar 2016 21:29

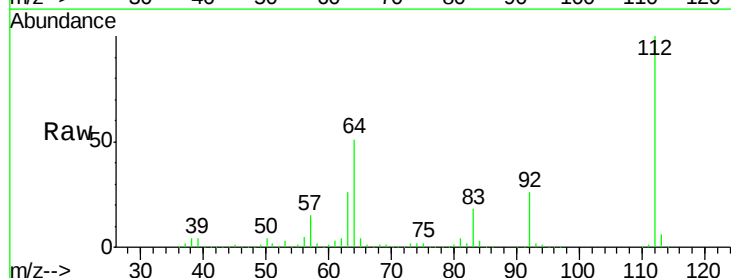
Tgt Ion:112 Resp: 960507

Ion Ratio Lower Upper

112 100

64 51.4 39.9 59.9

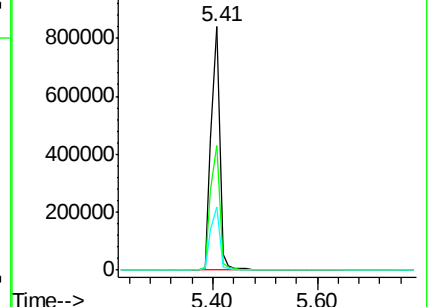
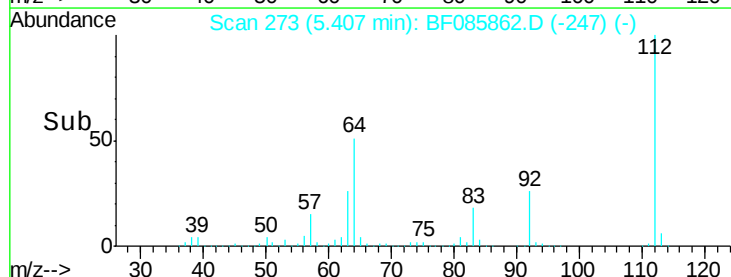
63 26.1 20.2 30.2



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: 125.68 ng

RT: 6.45 min Scan# 364

Delta R.T. -0.01 min

Lab File: BF085862.D

Acq: 29 Mar 2016 21:29

Instrument :

BNA_F

ClientSampleId :

TP-3

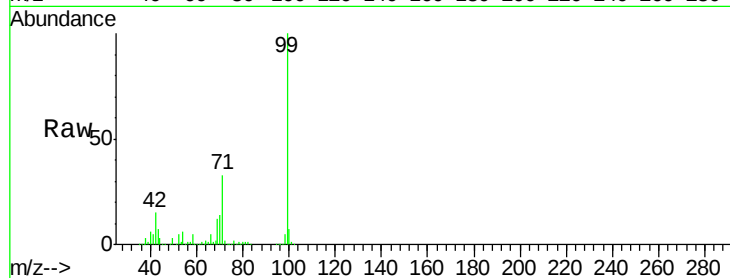
Tgt Ion: 99 Resp: 1096487

Ion Ratio Lower Upper

99 100

42 15.0 11.1 16.7

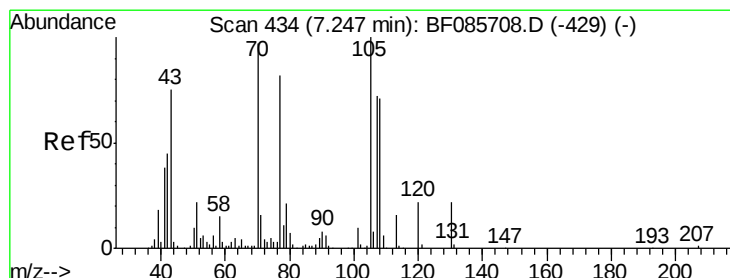
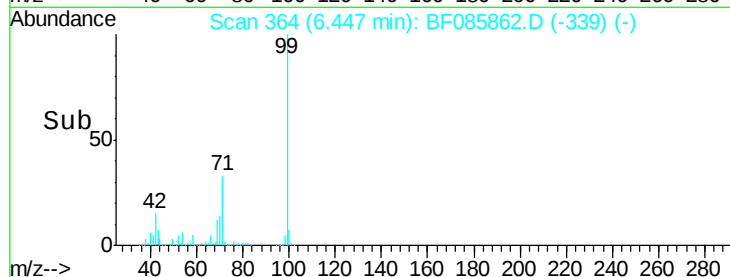
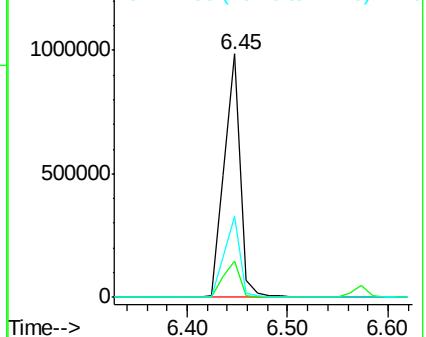
71 33.5 24.9 37.3



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: 17.67 ng

RT: 7.37 min Scan# 445

Delta R.T. 0.13 min

Lab File: BF085862.D

Acq: 29 Mar 2016 21:29

Tgt Ion: 70 Resp: 92308

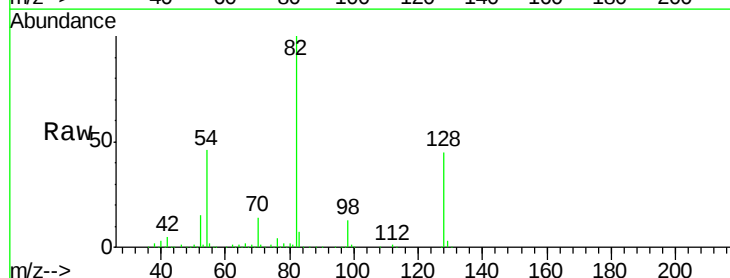
Ion Ratio Lower Upper

70 100

42 39.9 37.1 55.7

101 0.0 8.6 12.8#

130 2.2 19.6 29.4#

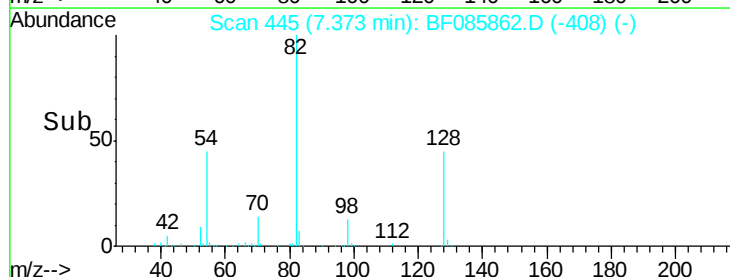
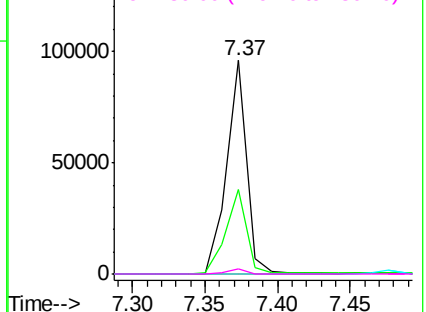


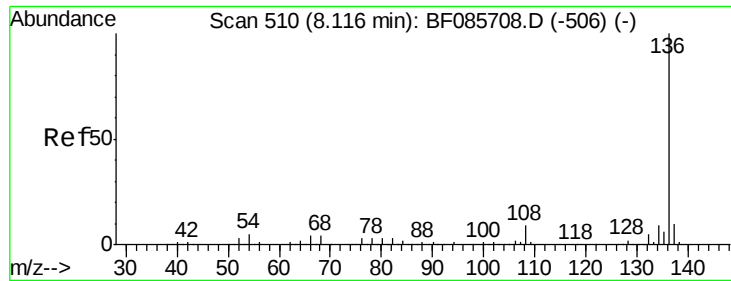
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

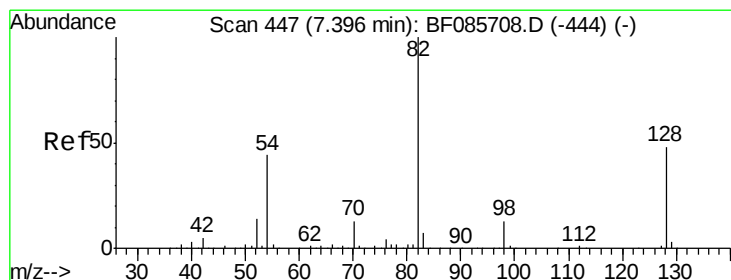
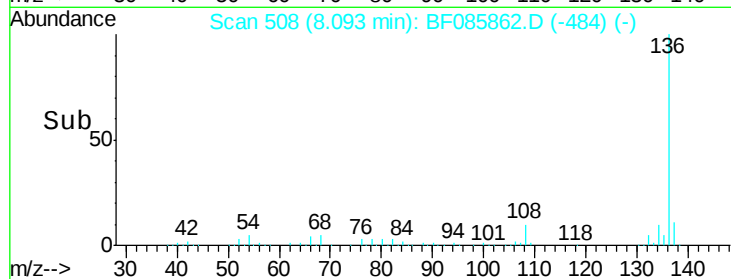
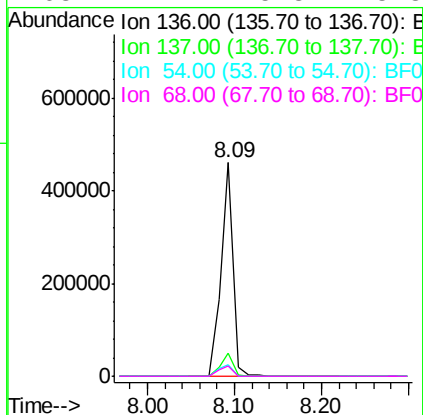
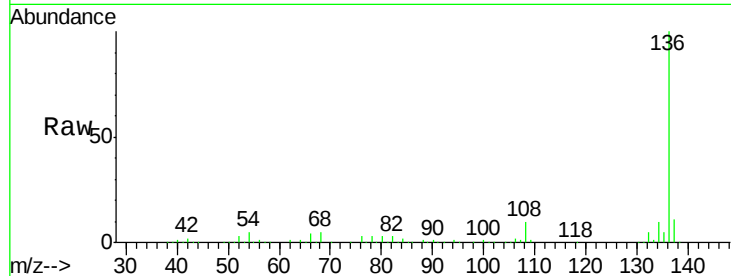




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 508
Delta R.T. -0.02 min
Lab File: BF085862.D
Acq: 29 Mar 2016 21:29

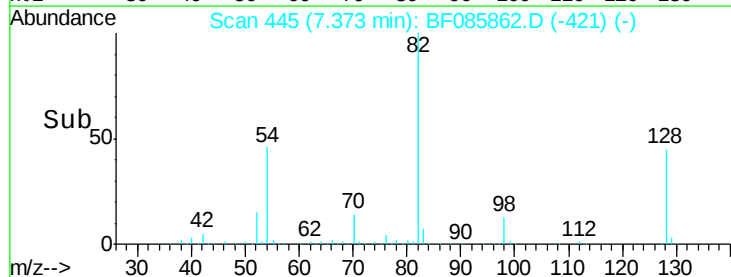
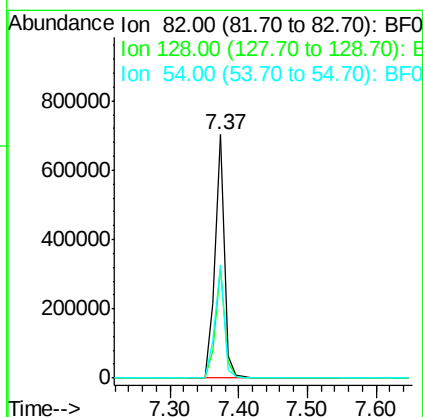
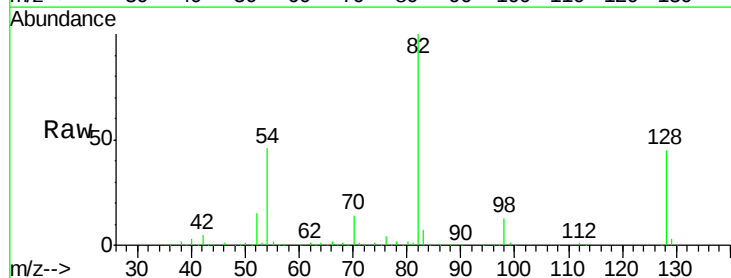
Instrument :
BNA_F
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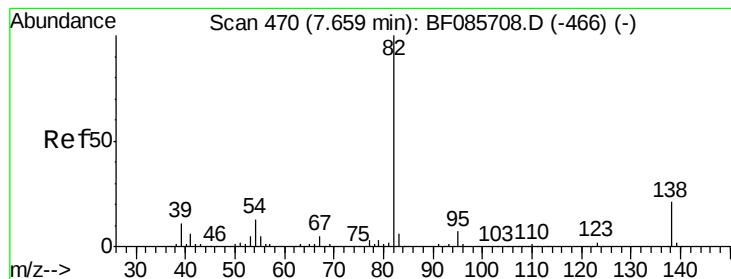
Tgt Ion:	136	Resp:	449377
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	5.4	7.4	11.0#
68	4.7	5.8	8.8#



#23
Nitrobenzene-d5
Concen: 86.25 ng
RT: 7.37 min Scan# 445
Delta R.T. -0.02 min
Lab File: BF085862.D
Acq: 29 Mar 2016 21:29

Tgt Ion:	82	Resp:	688278
Ion	Ratio	Lower	Upper
82	100		
128	45.1	41.8	62.8
54	46.3	33.4	50.0





#25

Isophorone

Concen: 34.84 ng

RT: 7.37 min Scan# 445

Delta R.T. -0.29 min

Lab File: BF085862.D

Acq: 29 Mar 2016 21:29

Instrument :

BNA_F

ClientSampled :

TP-3

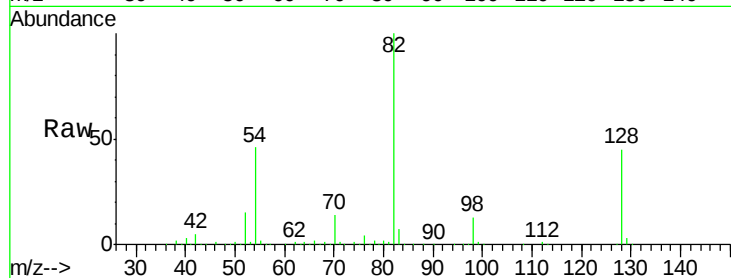
Tgt Ion: 82 Resp: 535556

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

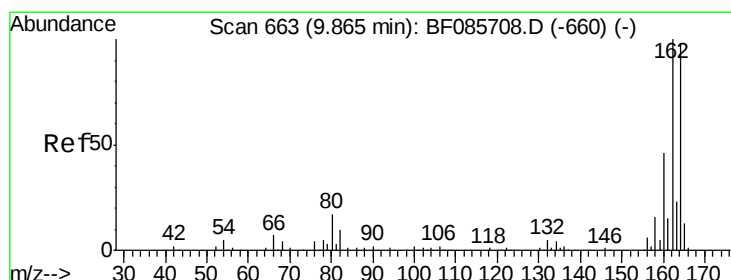
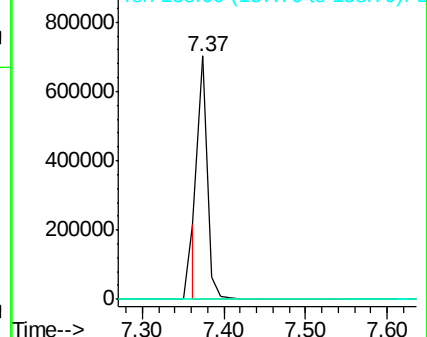
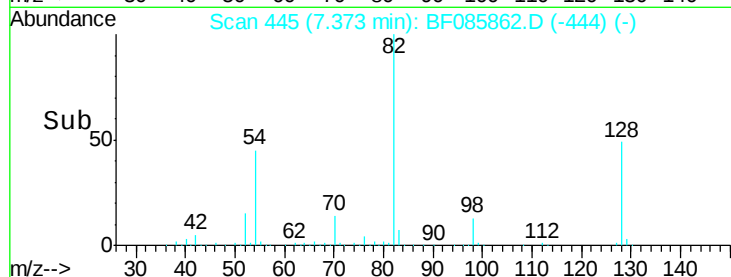
138 0.0 12.9 19.3#



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: 9.84 min Scan# 661

Delta R.T. -0.02 min

Lab File: BF085862.D

Acq: 29 Mar 2016 21:29

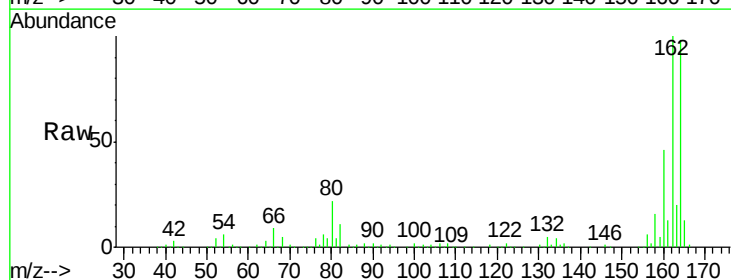
Tgt Ion: 164 Resp: 194504

Ion Ratio Lower Upper

164 100

162 101.7 82.1 123.1

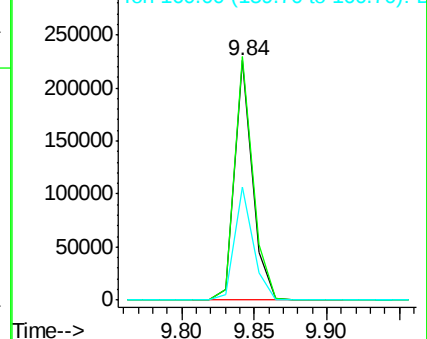
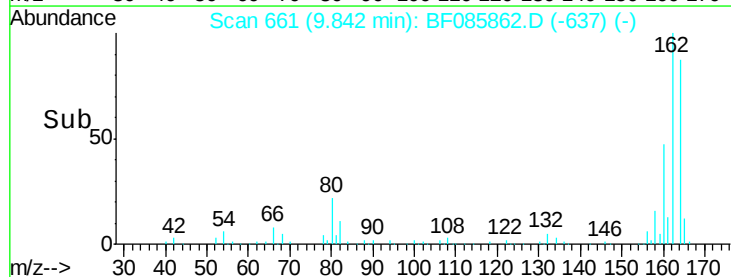
160 47.0 37.4 56.2

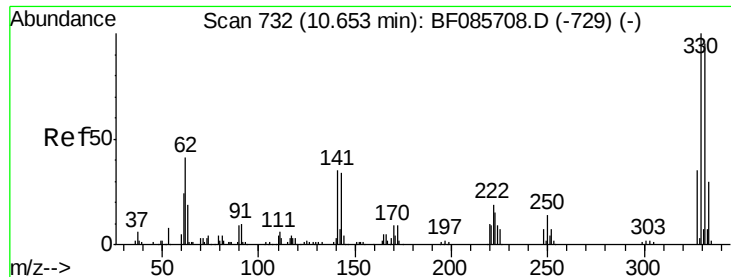


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

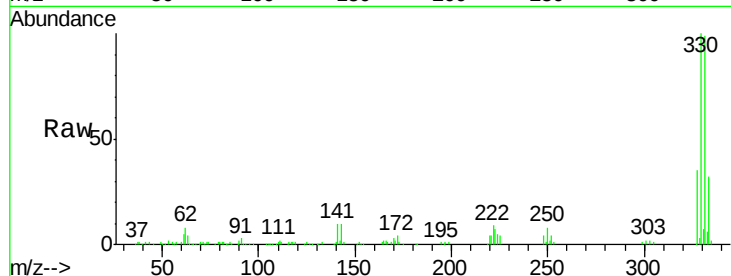




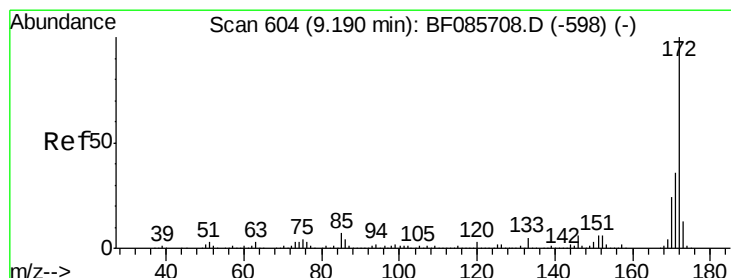
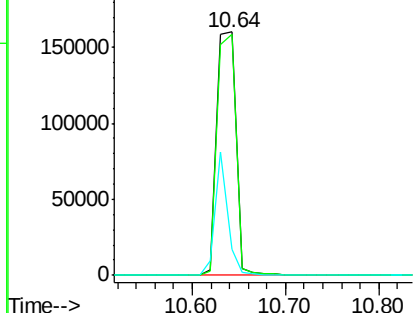
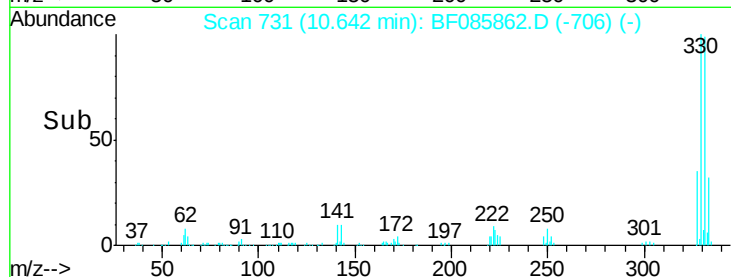
#41
 2,4,6-Tribromophenol
 Concen: 123.37 ng
 RT: 10.64 min Scan# 731
 Delta R.T. -0.01 min
 Lab File: BF085862.D
 Acq: 29 Mar 2016 21:29

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Tgt Ion:330 Resp: 227980
 Ion Ratio Lower Upper
 330 100
 332 97.4 78.2 117.2
 141 33.7 31.5 47.3

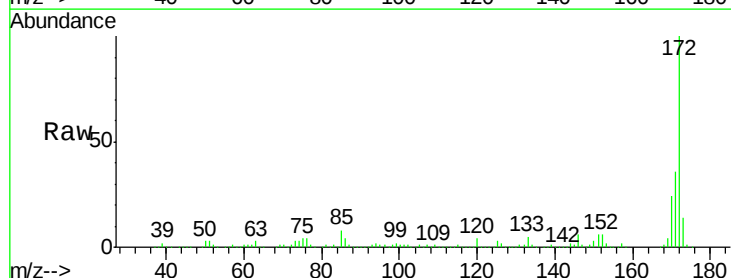


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

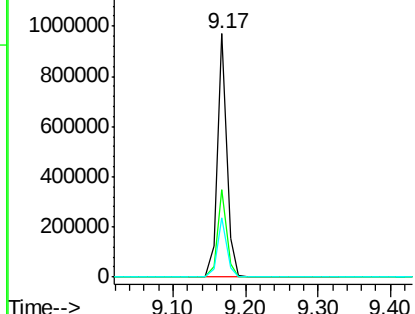
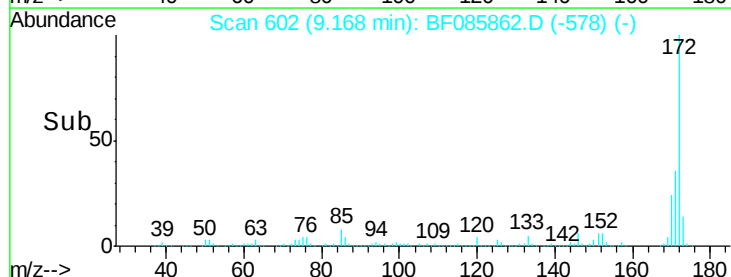


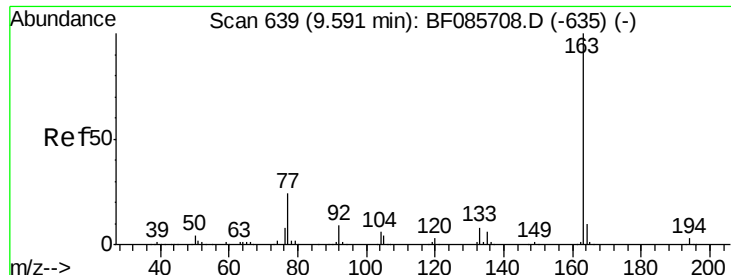
#44
 2-Fluorobiphenyl
 Concen: 74.87 ng
 RT: 9.17 min Scan# 602
 Delta R.T. -0.02 min
 Lab File: BF085862.D
 Acq: 29 Mar 2016 21:29

Tgt Ion:172 Resp: 871565
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.4 44.2
 170 24.5 19.8 29.6



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

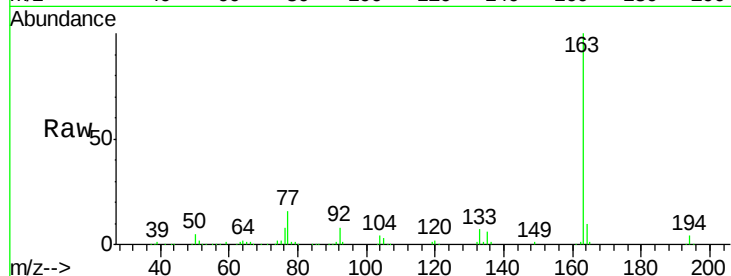




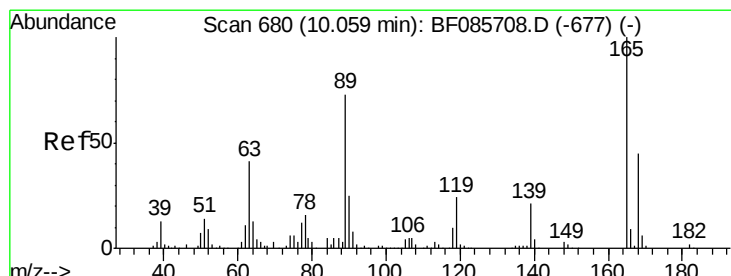
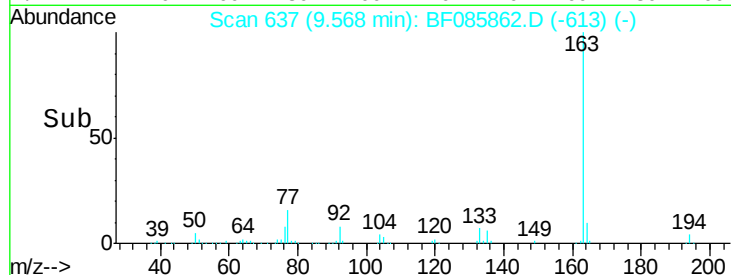
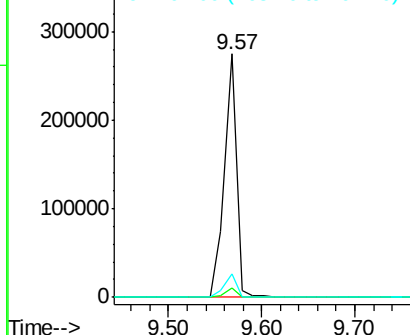
#49
Dimethylphthalate
Concen: 16.91 ng
RT: 9.57 min Scan# 637
Delta R.T. -0.02 min
Lab File: BF085862.D
Acq: 29 Mar 2016 21:29

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion:163 Resp: 249558
Ion Ratio Lower Upper
163 100
194 3.7 2.9 4.3
164 9.8 8.3 12.5

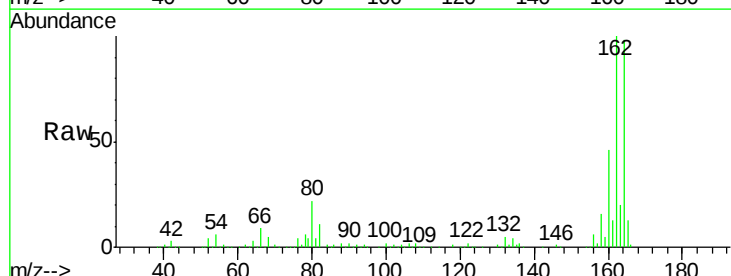


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

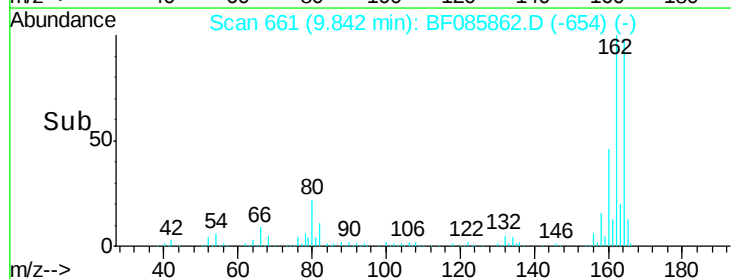
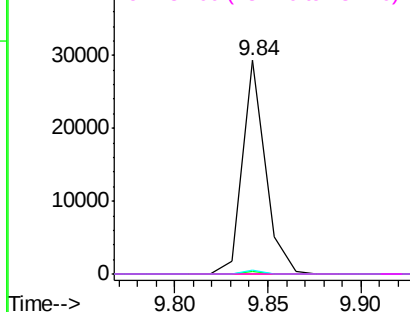


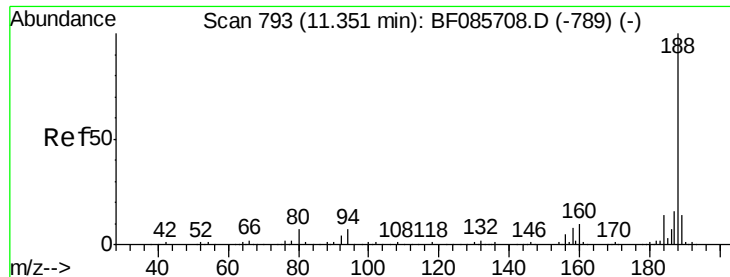
#56
2,4-Dinitrotoluene
Concen: 6.20 ng
RT: 9.84 min Scan# 661
Delta R.T. -0.22 min
Lab File: BF085862.D
Acq: 29 Mar 2016 21:29

Tgt Ion:165 Resp: 25028
Ion Ratio Lower Upper
165 100
63 1.2 24.9 37.3#
89 1.7 41.0 61.6#
182 0.0 2.1 3.1#



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

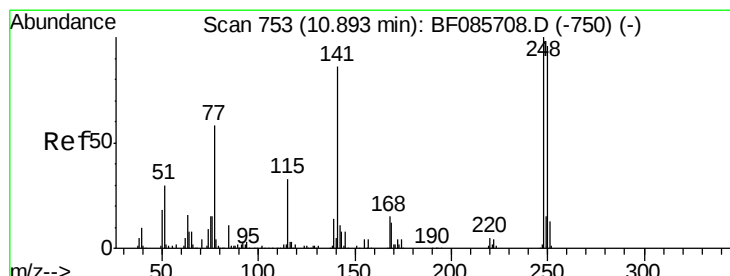
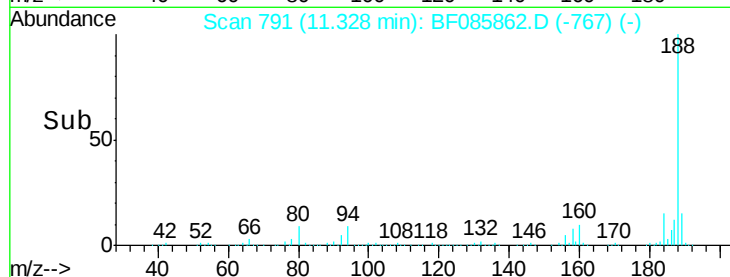
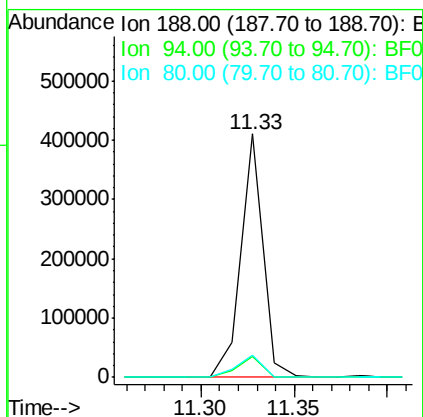
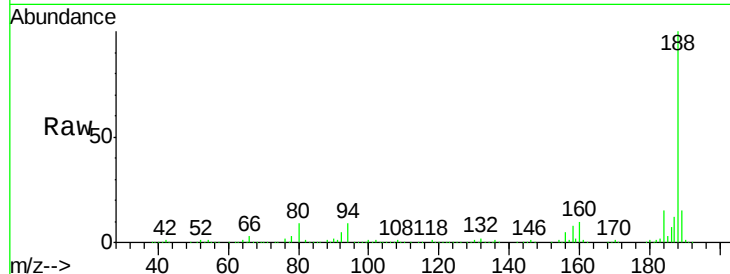




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 791
Delta R.T. -0.02 min
Lab File: BF085862.D
Acq: 29 Mar 2016 21:29

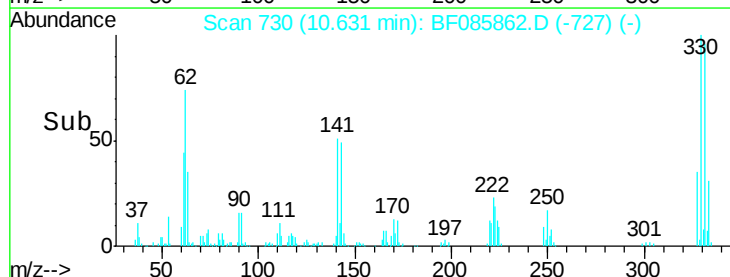
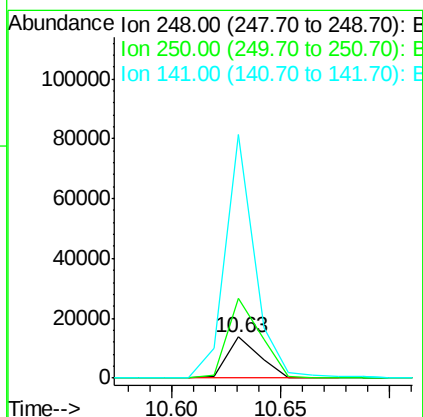
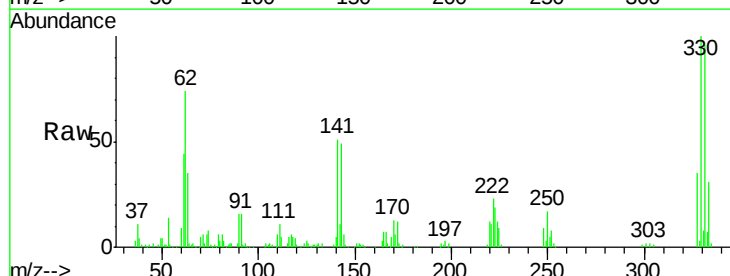
Instrument :
BNA_F
ClientSampleId :
TP-3

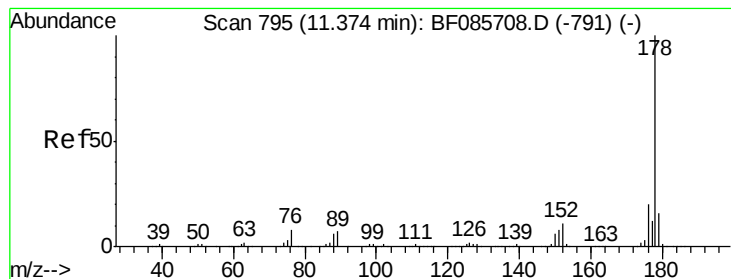
Tgt Ion:188 Resp: 341704
Ion Ratio Lower Upper
188 100
94 8.8 5.4 8.0#
80 9.1 5.5 8.3#



#66
4-Bromophenyl-phenylether
Concen: 4.07 ng
RT: 10.63 min Scan# 730
Delta R.T. -0.26 min
Lab File: BF085862.D
Acq: 29 Mar 2016 21:29

Tgt Ion:248 Resp: 14230
Ion Ratio Lower Upper
248 100
250 195.1 77.4 116.0#
141 596.9 63.6 95.4#





#70

Phenanthrene

Concen: 2.34 ng

RT: 11.35 min Scan# 793

Delta R.T. -0.02 min

Lab File: BF085862.D

Acq: 29 Mar 2016 21:29

Instrument :

BNA_F

ClientSampleId :

TP-3

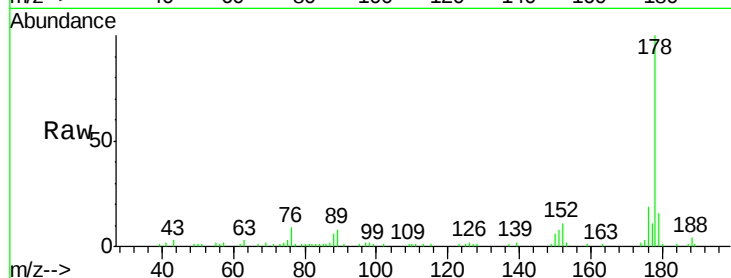
Tgt Ion:178 Resp: 40990

Ion Ratio Lower Upper

178 100

176 18.9 16.3 24.5

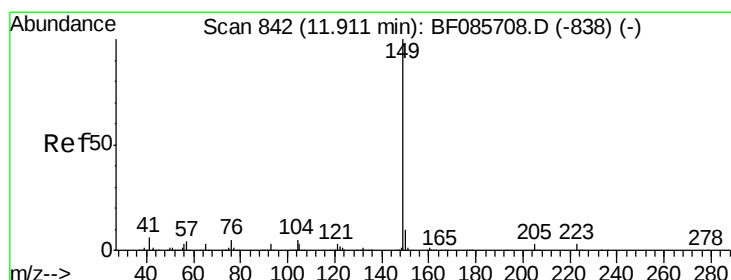
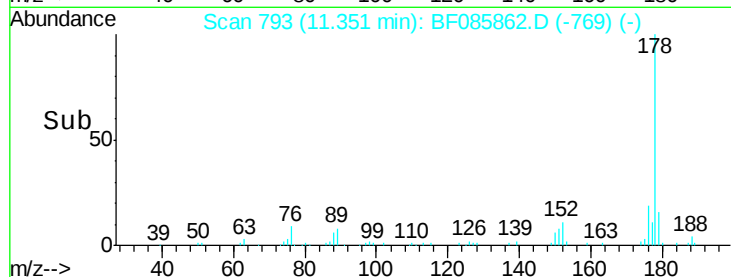
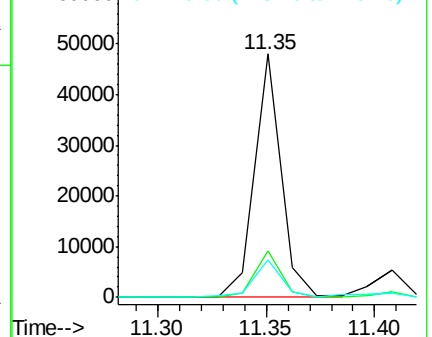
179 15.5 12.6 18.8



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



#73

Di-n-butylphthalate

Concen: 41.32 ng

RT: 11.90 min Scan# 841

Delta R.T. -0.01 min

Lab File: BF085862.D

Acq: 29 Mar 2016 21:29

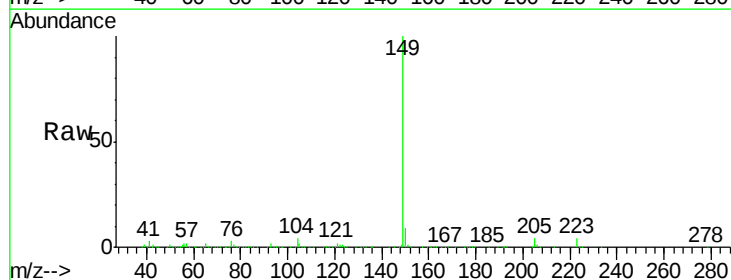
Tgt Ion:149 Resp: 876859

Ion Ratio Lower Upper

149 100

150 9.0 7.6 11.4

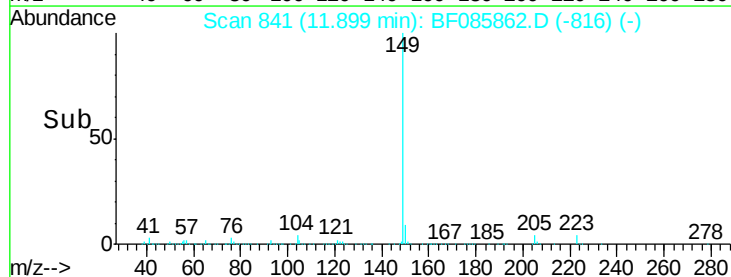
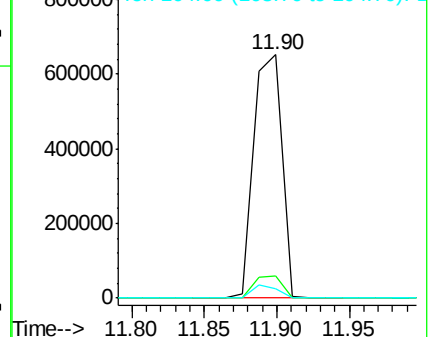
104 3.7 3.8 5.8#

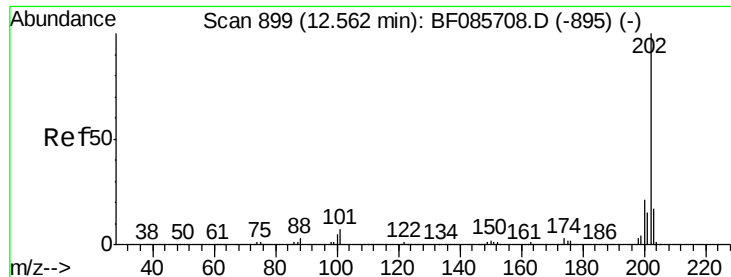


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

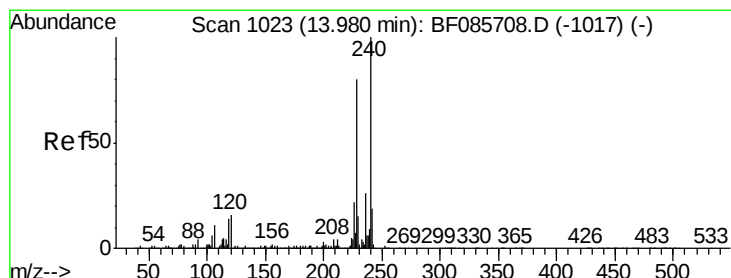
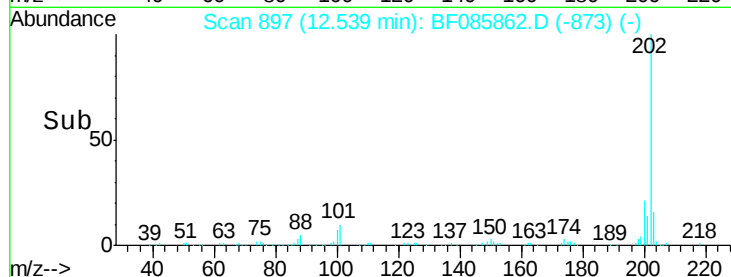
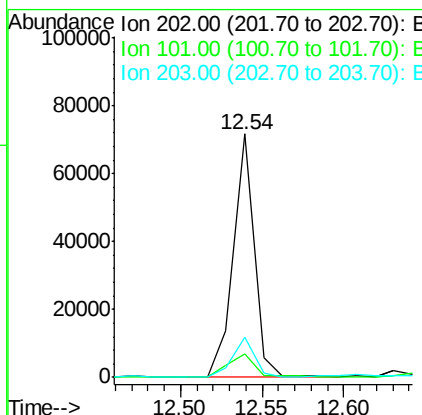
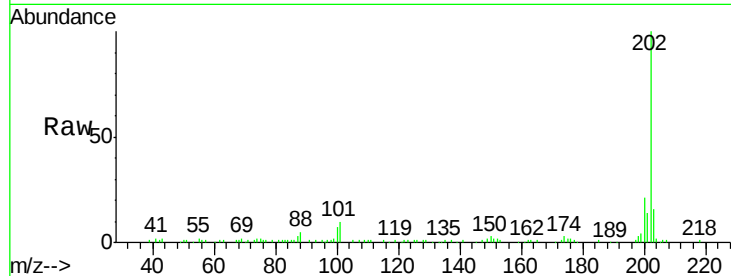




#74
 Fluoranthene
 Concen: 3.42 ng
 RT: 12.54 min Scan# 897
 Delta R.T. -0.02 min
 Lab File: BF085862.D
 Acq: 29 Mar 2016 21:29

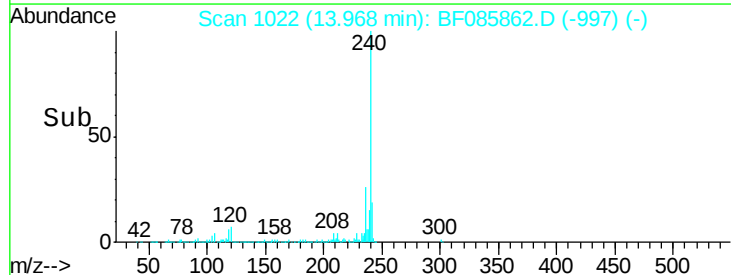
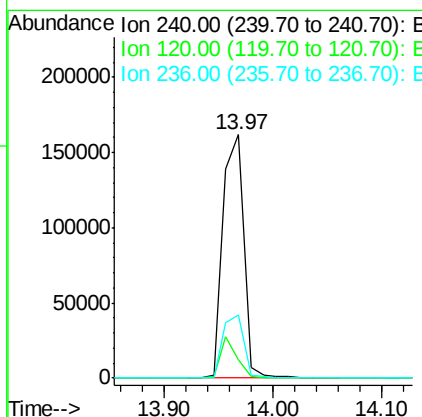
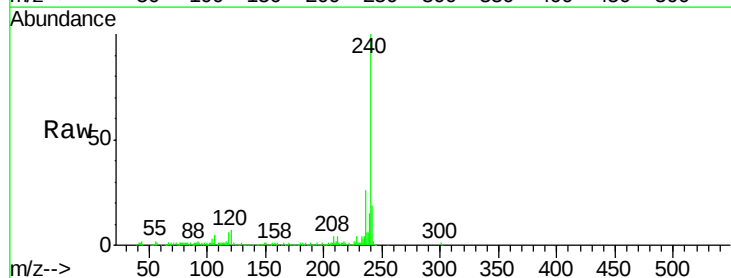
Instrument :
 BNA_F
 ClientSampleId :
 TP-3

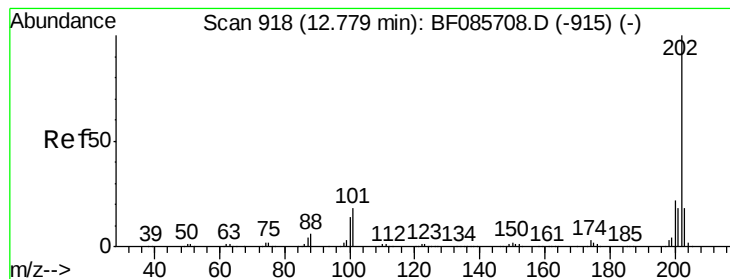
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	36.6
203	16.3	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.97 min Scan# 1022
 Delta R.T. -0.01 min
 Lab File: BF085862.D
 Acq: 29 Mar 2016 21:29

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.4	13.8	20.8#
236	25.7	20.6	30.8





#77

Pyrene

Concen: 3.20 ng

RT: 12.77 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF085862.D

Acq: 29 Mar 2016 21:29

Instrument :

BNA_F

ClientSampleId :

TP-3

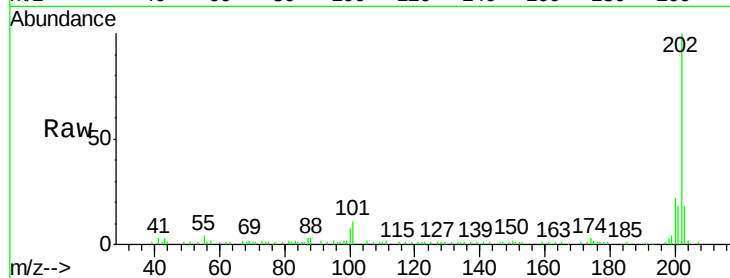
Tgt Ion:202 Resp: 56860

Ion Ratio Lower Upper

202 100

200 21.5 17.6 26.4

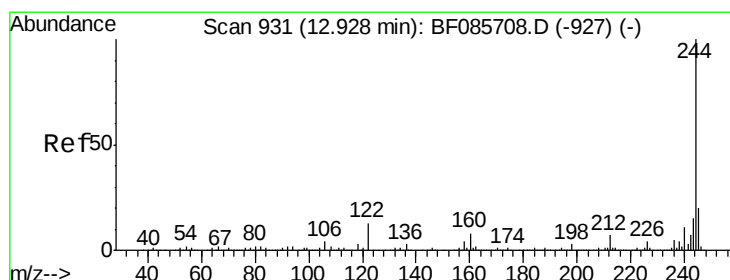
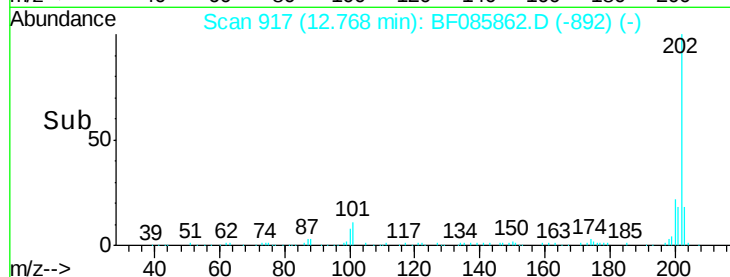
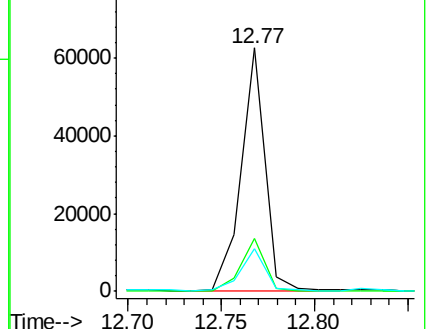
203 17.6 14.0 21.0



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: 50.87 ng

RT: 12.92 min Scan# 930

Delta R.T. -0.01 min

Lab File: BF085862.D

Acq: 29 Mar 2016 21:29

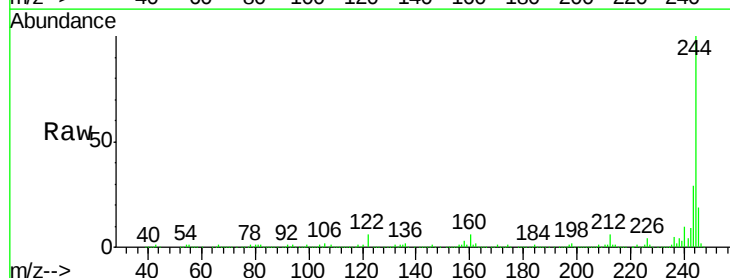
Tgt Ion:244 Resp: 534102

Ion Ratio Lower Upper

244 100

212 6.3 6.1 9.1

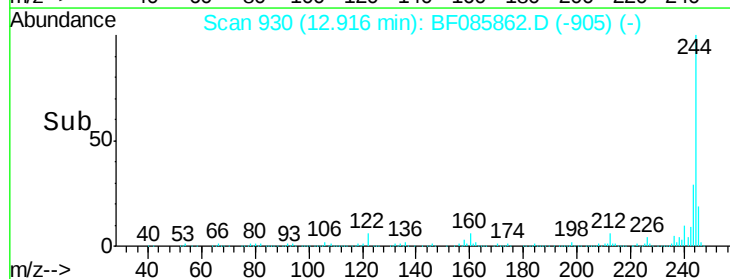
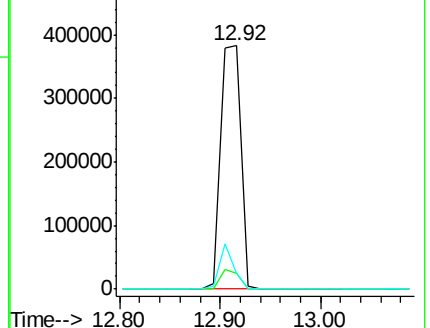
122 6.5 10.2 15.4#

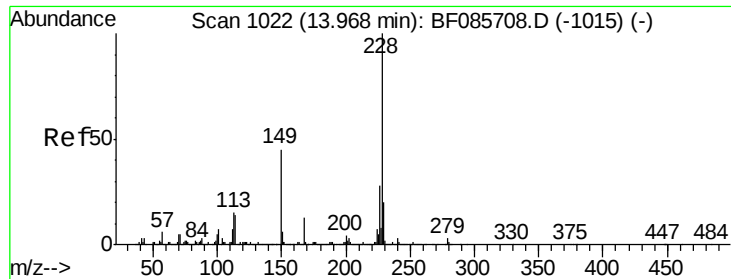


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.86 ng

RT: 13.99 min Scan# 1024

Delta R.T. 0.02 min

Lab File: BF085862.D

Acq: 29 Mar 2016 21:29

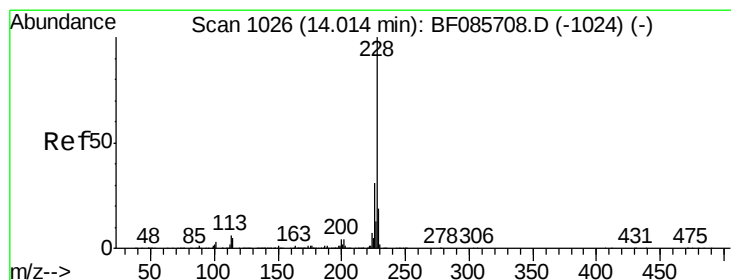
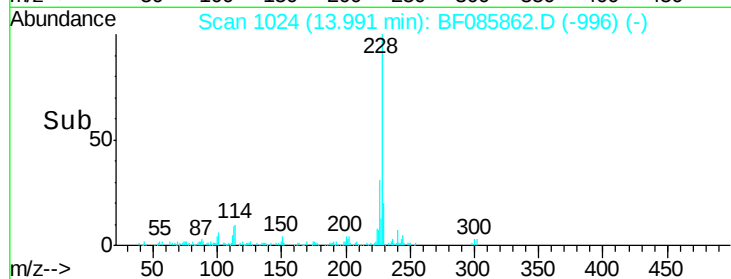
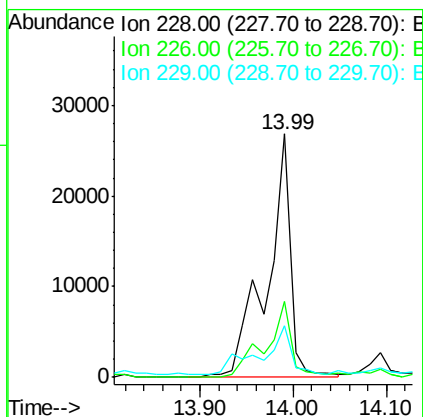
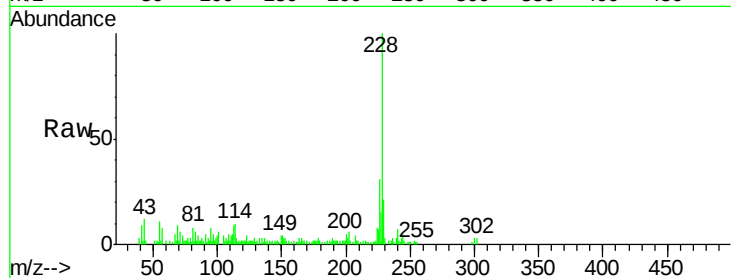
Instrument :

BNA_F

ClientSampleId :

TP-3

Tgt Ion:	228	Resp:	47557
Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.1	33.1
229	21.4	16.2	24.4



#82

Chrysene

Concen: 3.83 ng

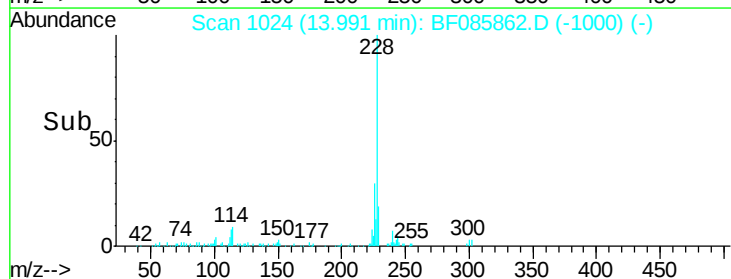
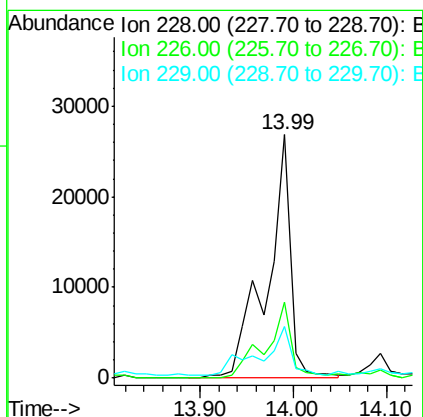
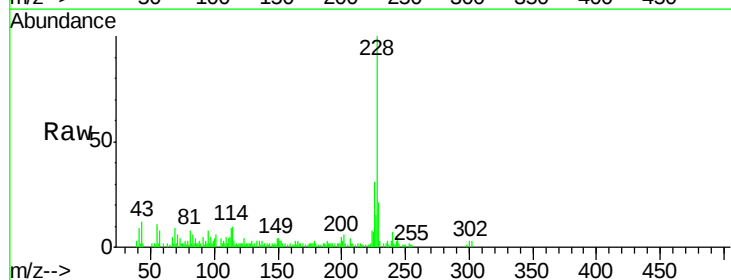
RT: 13.99 min Scan# 1024

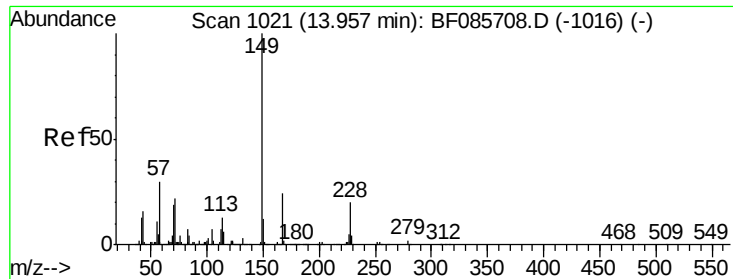
Delta R.T. -0.02 min

Lab File: BF085862.D

Acq: 29 Mar 2016 21:29

Tgt Ion:	228	Resp:	47557
Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	21.4	15.7	23.5

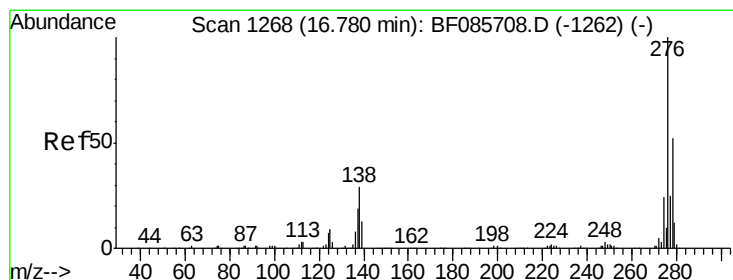
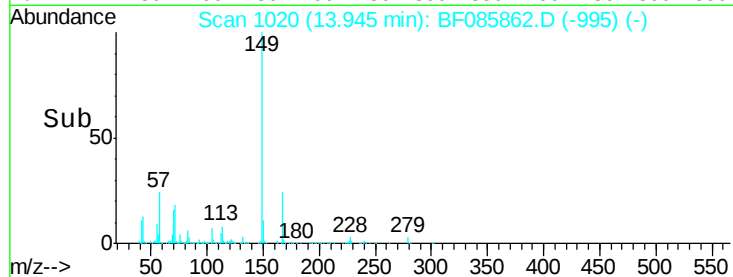
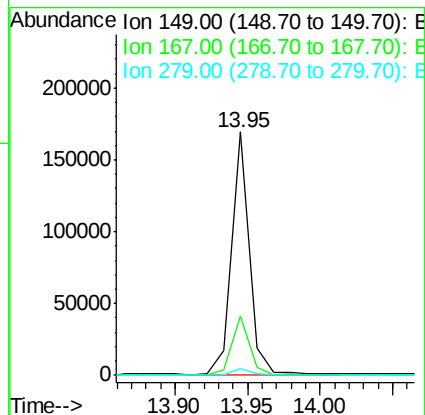
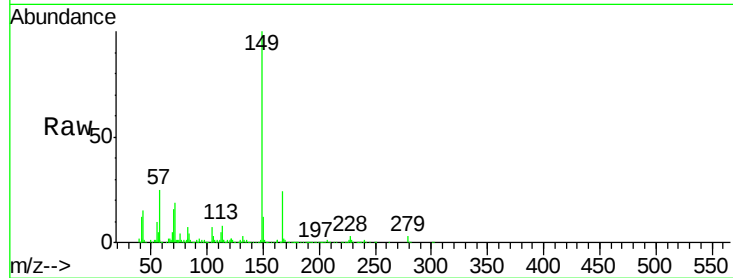




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 15.96 ng
 RT: 13.95 min Scan# 1020
 Delta R.T. -0.01 min
 Lab File: BF085862.D
 Acq: 29 Mar 2016 21:29

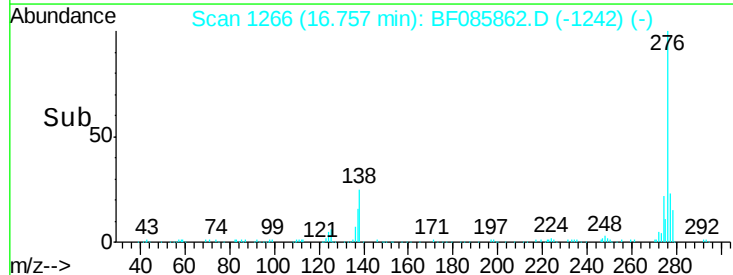
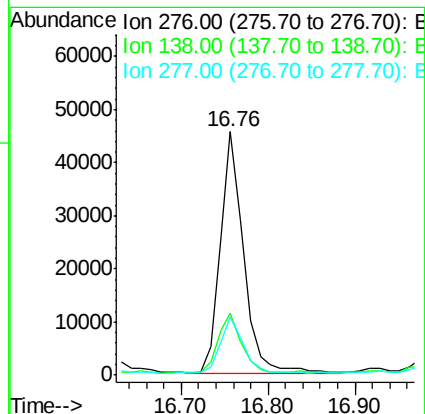
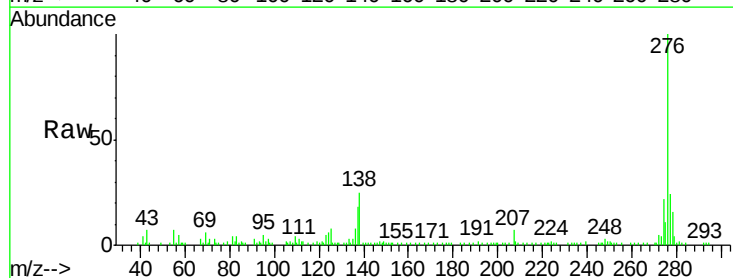
Instrument :
 BNA_F
 ClientSampleId :
 TP-3

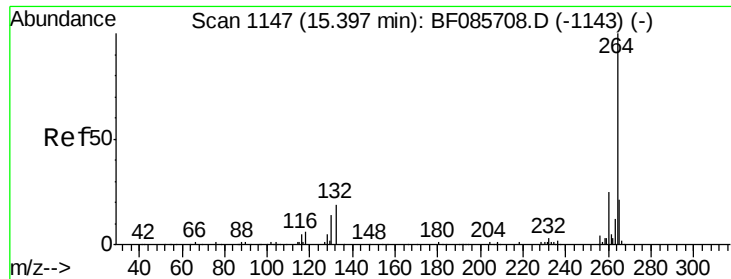
Tgt Ion:149 Resp: 142024
 Ion Ratio Lower Upper
 149 100
 167 24.3 19.4 29.2
 279 2.7 1.5 2.3#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.91 ng
 RT: 16.76 min Scan# 1266
 Delta R.T. -0.02 min
 Lab File: BF085862.D
 Acq: 29 Mar 2016 21:29

Tgt Ion:276 Resp: 85330
 Ion Ratio Lower Upper
 276 100
 138 24.9 24.2 36.4
 277 23.3 20.0 30.0

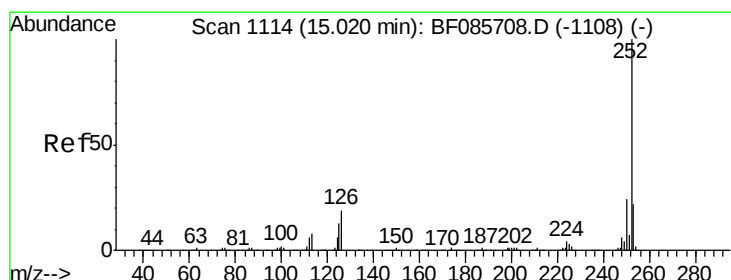
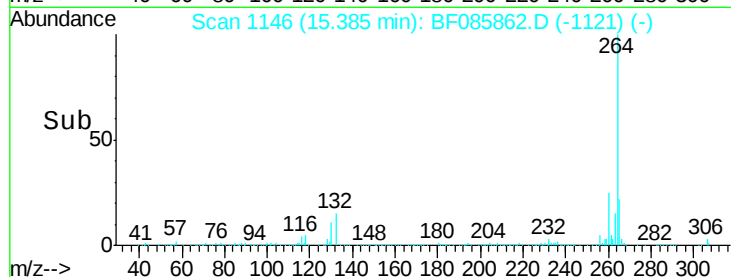
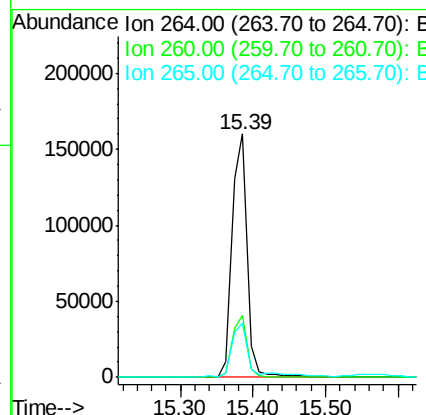
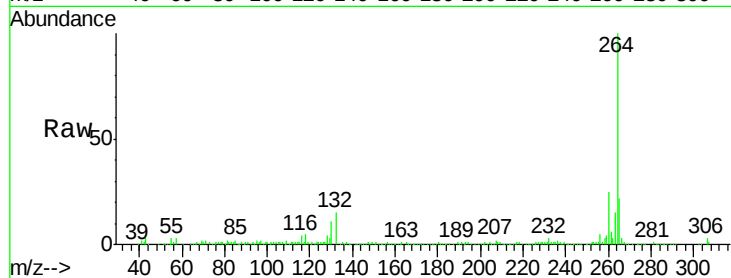




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF085862.D
Acq: 29 Mar 2016 21:29

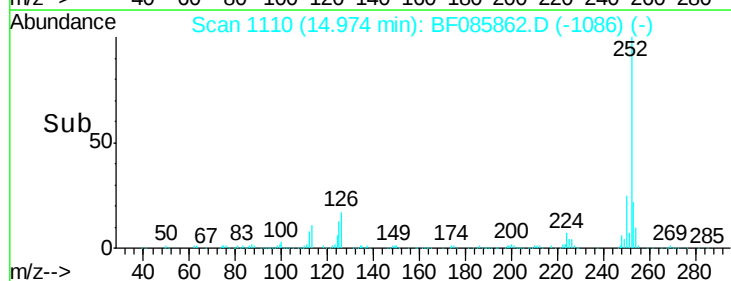
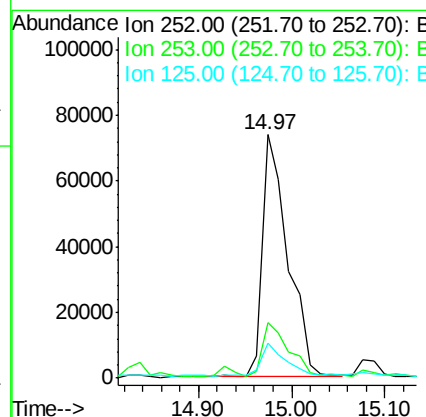
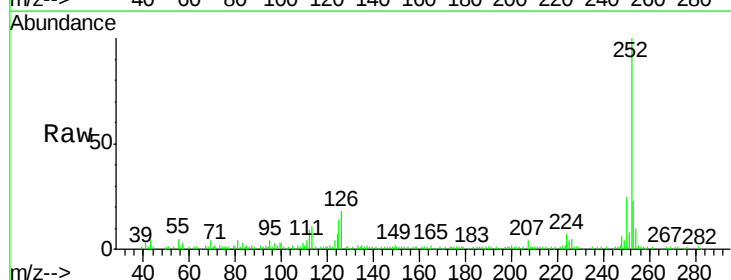
Instrument :
BNA_F
ClientSampleId :
TP-3

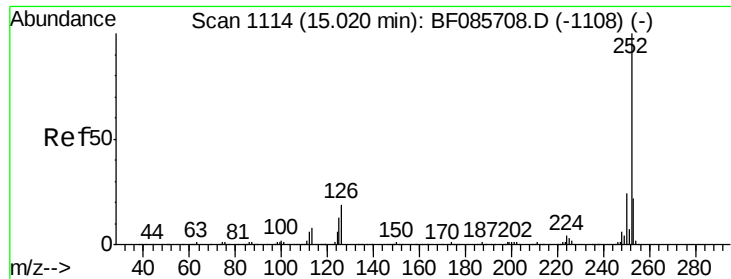
Tgt Ion:264 Resp: 229586
Ion Ratio Lower Upper
264 100
260 25.4 19.4 29.2
265 22.2 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 9.68 ng
RT: 14.97 min Scan# 1110
Delta R.T. -0.02 min
Lab File: BF085862.D
Acq: 29 Mar 2016 21:29

Tgt Ion:252 Resp: 139950
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 14.5 10.3 15.5





#88

Benzo(k)fluoranthene

Concen: 10.73 ng

RT: 14.97 min Scan# 1110

Delta R.T. -0.05 min

Lab File: BF085862.D

Acq: 29 Mar 2016 21:29

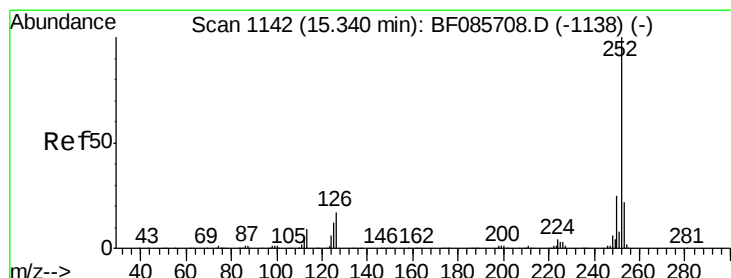
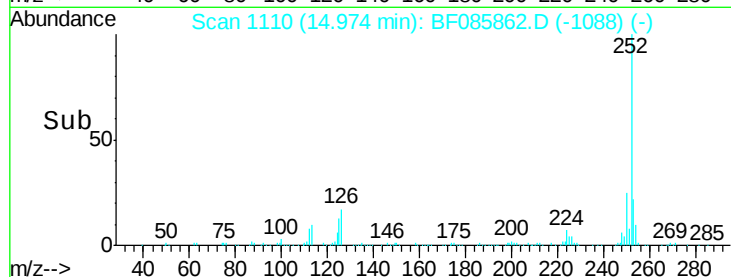
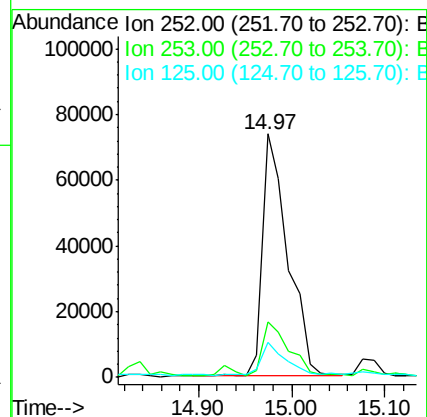
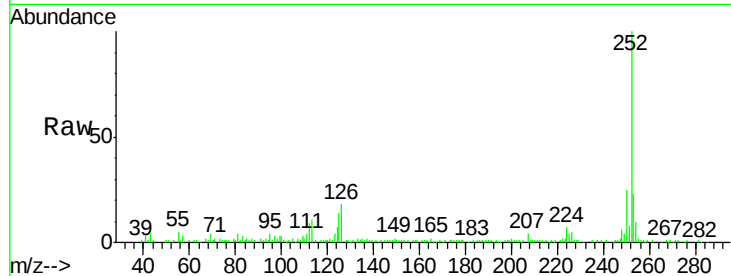
Instrument :

BNA_F

ClientSampleId :

TP-3

Tgt Ion:	252	Resp:	139950
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.8	26.6
125	14.5	7.7	11.5#



#89

Benzo(a)pyrene

Concen: 4.13 ng

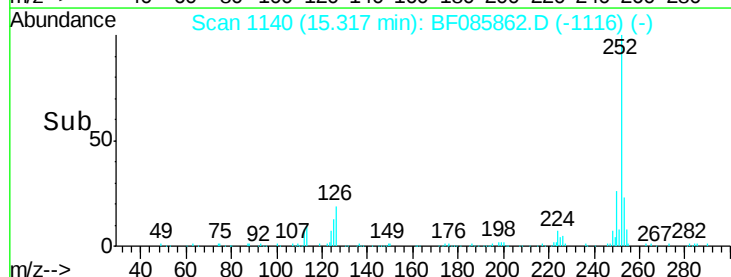
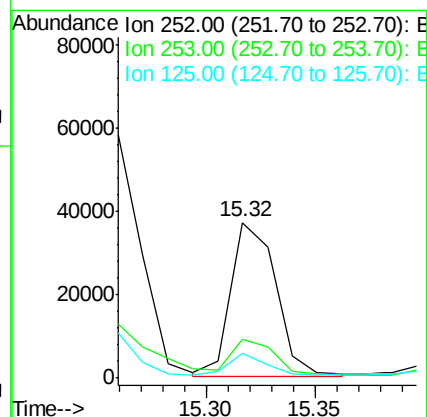
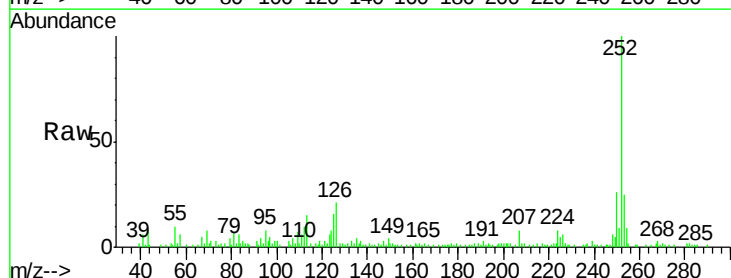
RT: 15.32 min Scan# 1140

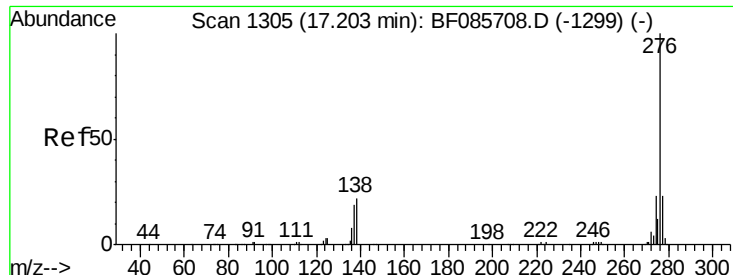
Delta R.T. -0.02 min

Lab File: BF085862.D

Acq: 29 Mar 2016 21:29

Tgt Ion:	252	Resp:	52975
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.4	26.0
125	16.3	10.3	15.5#





#91
 Benzo(g,h,i)perylene
 Concen: 7.52 ng
 RT: 17.17 min Scan# 1302
 Delta R.T. -0.03 min
 Lab File: BF085862.D
 Acq: 29 Mar 2016 21:29

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Tgt Ion: 276 Resp: 90827
 Ion Ratio Lower Upper
 276 100
 277 24.2 18.8 28.2
 138 28.1 22.6 34.0

