

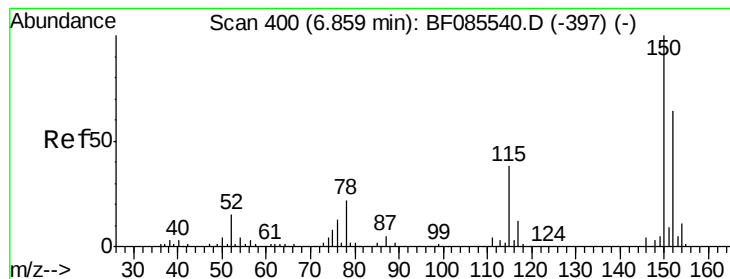
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
 Data File : BF085684.D
 Acq On : 23 Mar 2016 4:08
 Operator : UM/SJ
 Sample : H1886-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-4

Quant Time: Mar 23 03:30:07 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 23:31:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	135804	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	572495	20.00	ng	-0.02
38) Acenaphthene-d10	9.86	164	264895	20.00	ng	-0.03
63) Phenanthrene-d10	11.35	188	510393	20.00	ng	-0.03
75) Chrysene-d12	13.98	240	307957	20.00	ng	-0.03
86) Perylene-d12	15.40	264	252074	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1127795	139.49	ng	-0.01
7) Phenol-d6	6.47	99	1397882	134.80	ng	-0.02
23) Nitrobenzene-d5	7.40	82	938731	95.18	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	459239	176.98	ng	-0.02
44) 2-Fluorobiphenyl	9.19	172	1509319	102.42	ng	-0.03
78) Terphenyl-d14	12.94	244	1373398	107.32	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.61	77	26681	3.16	ng	Qvalue 94
19) n-Nitroso-di-n-propylamine	7.40	70	121891	19.68	ng	# 79
25) Isophorone	7.40	82	766255	38.80	ng	# 68
49) Dimethylphthalate	9.59	163	304898	15.25	ng	98
56) 2,4-Dinitrotoluene	9.86	165	34007	6.16	ng	# 37
66) 4-Bromophenyl-phenylether	10.66	248	29792	5.84	ng	# 1
74) Fluoranthene	12.56	202	82556	2.93	ng	90
77) Pyrene	12.79	202	79669	3.60	ng	99
87) Benzo(b)fluoranthene	15.00	252	52034	3.16	ng	96
88) Benzo(k)fluoranthene	15.00	252	52034	3.84	ng	# 94
91) Benzo(g,h,i)perylene	17.19	276	28581	2.54	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 398

Delta R.T. -0.02 min

Lab File: BF085684.D

Acq: 23 Mar 2016 4:08

Instrument :

BNA_F

ClientSampleId :

SP-4

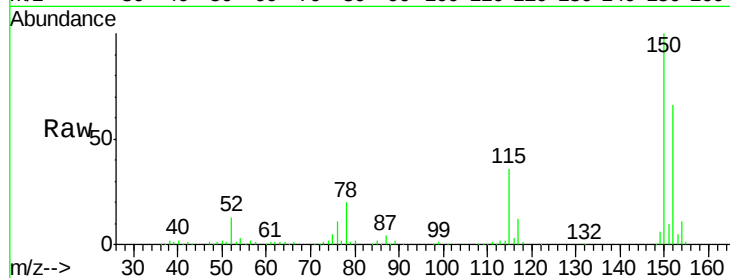
Tgt Ion:152 Resp: 135804

Ion Ratio Lower Upper

152 100

150 151.3 124.2 186.2

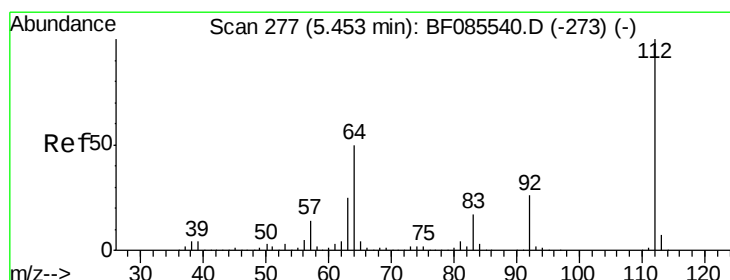
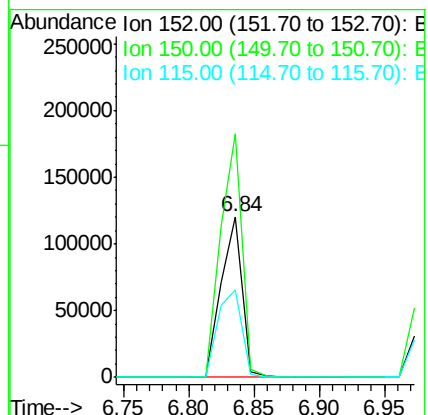
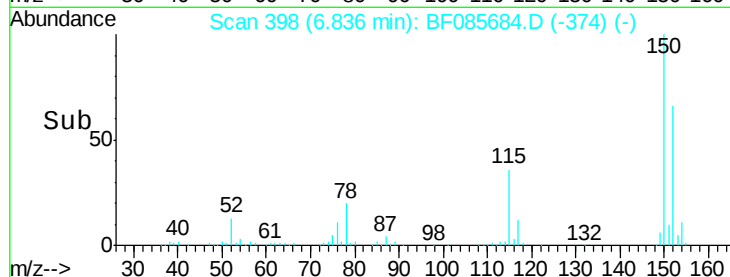
115 54.3 47.0 70.6



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: 139.49 ng

RT: 5.44 min Scan# 276

Delta R.T. -0.01 min

Lab File: BF085684.D

Acq: 23 Mar 2016 4:08

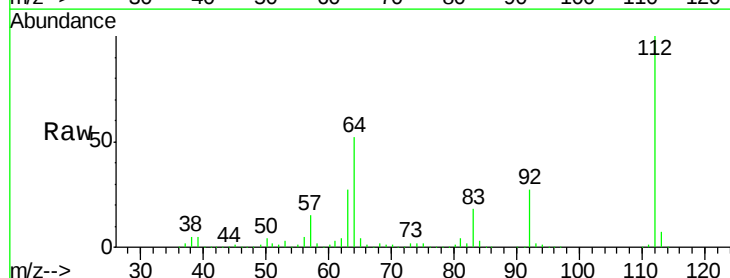
Tgt Ion:112 Resp: 1127795

Ion Ratio Lower Upper

112 100

64 51.8 39.9 59.9

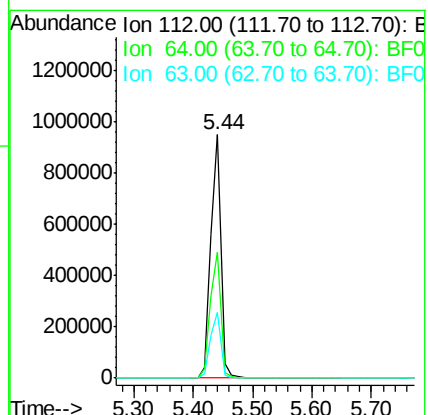
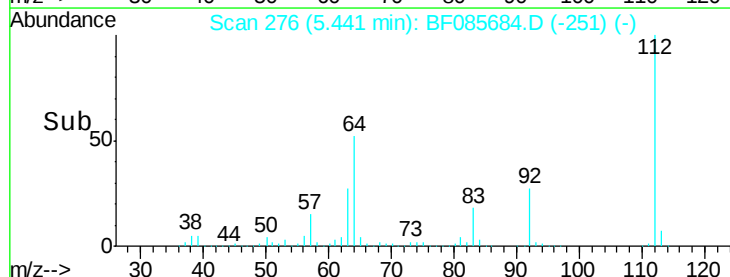
63 26.9 20.2 30.2



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: 134.80 ng

RT: 6.47 min Scan# 366

Delta R.T. -0.02 min

Lab File: BF085684.D

Acq: 23 Mar 2016 4:08

Instrument :

BNA_F

ClientSampled :

SP-4

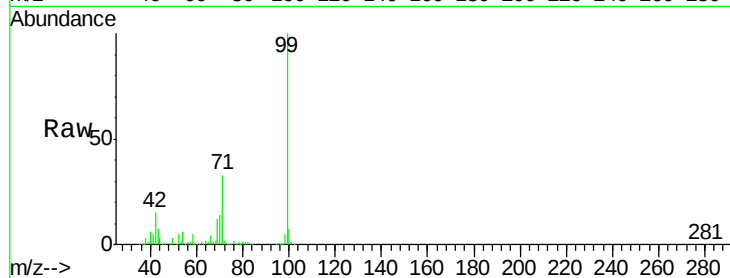
Tgt Ion: 99 Resp: 1397882

Ion Ratio Lower Upper

99 100

42 14.7 11.1 16.7

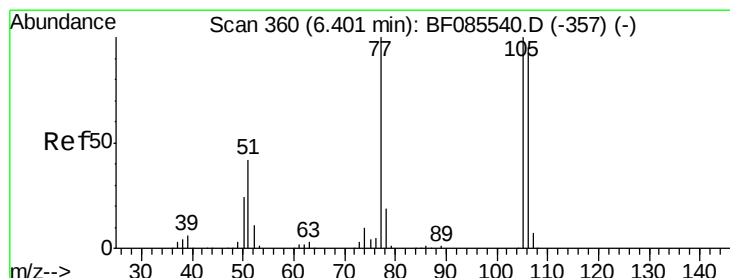
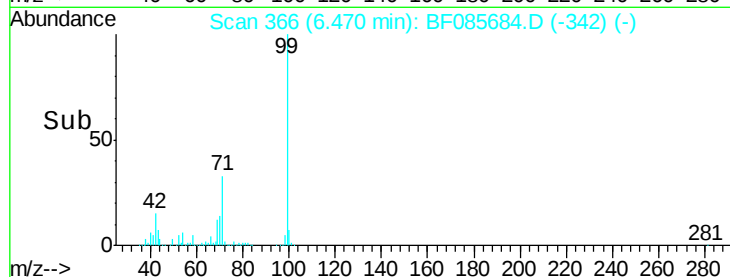
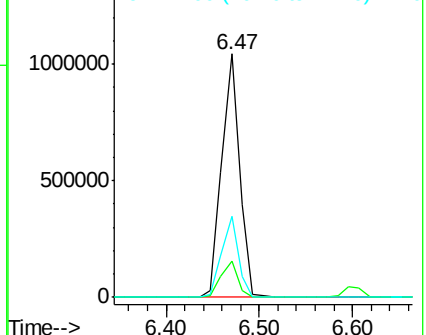
71 33.1 24.9 37.3



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



#9

Benzaldehyde

Concen: 3.16 ng

RT: 6.61 min Scan# 378

Delta R.T. 0.21 min

Lab File: BF085684.D

Acq: 23 Mar 2016 4:08

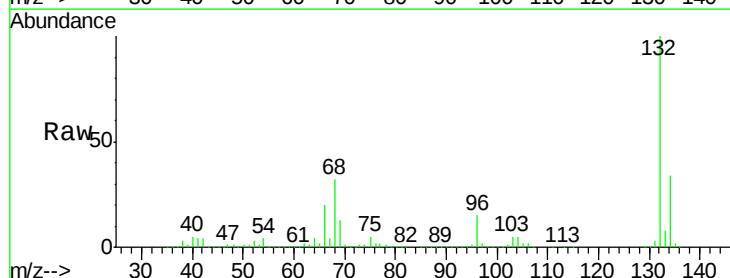
Tgt Ion: 77 Resp: 26681

Ion Ratio Lower Upper

77 100

105 94.4 80.1 120.1

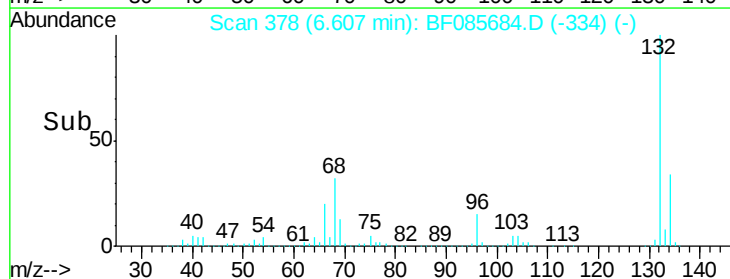
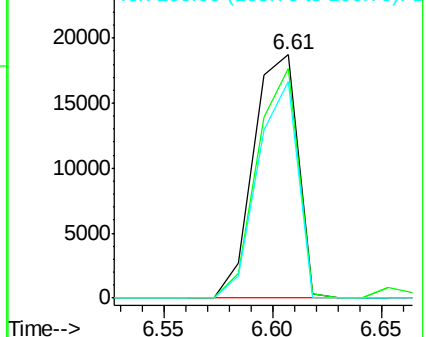
106 88.9 75.0 115.0

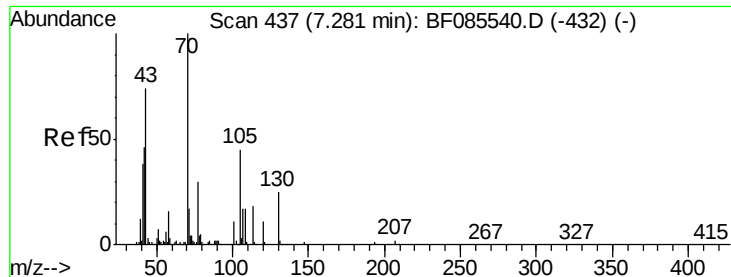


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

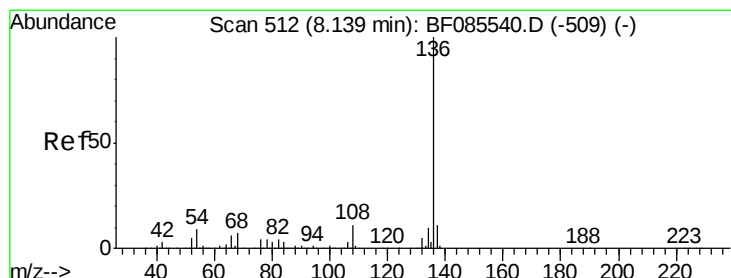
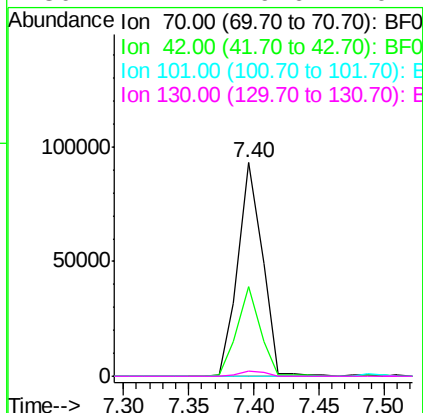
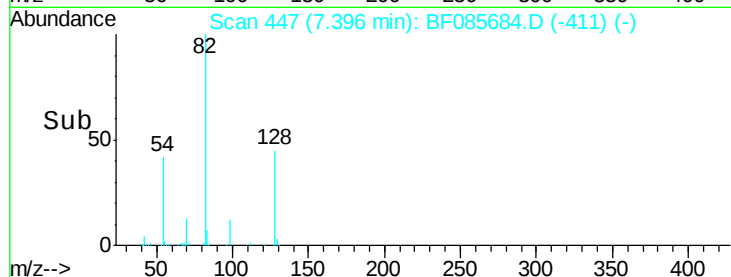
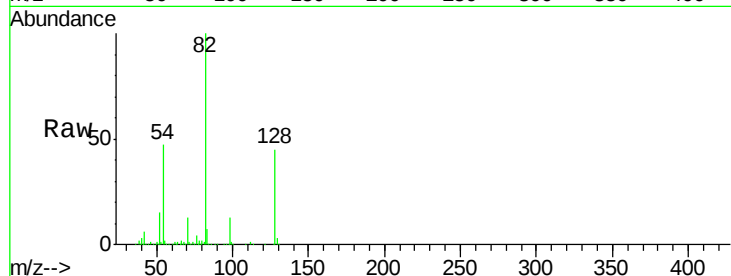




#19
n-Nitroso-di-n-propylamine
Concen: 19.68 ng
RT: 7.40 min Scan# 447
Delta R.T. 0.11 min
Lab File: BF085684.D
Acq: 23 Mar 2016 4:08

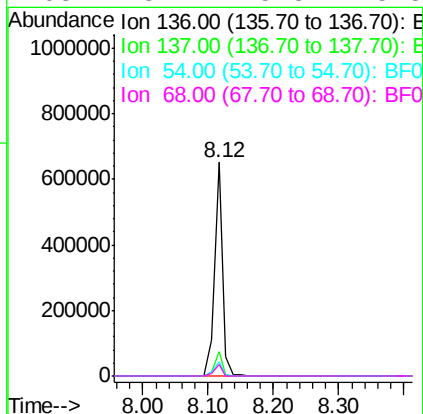
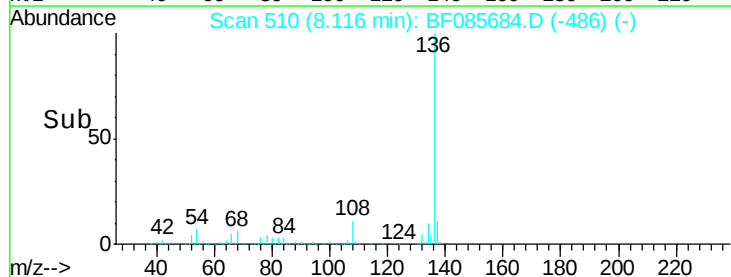
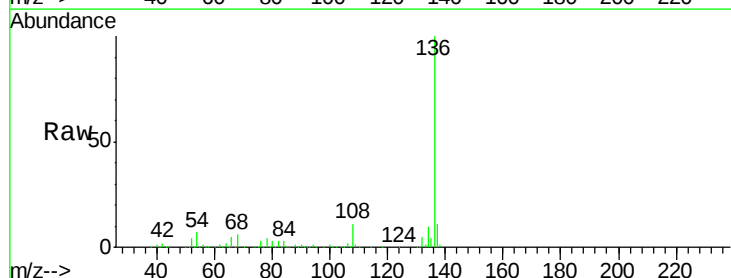
Instrument :
BNA_F
ClientSampled :
SP-4

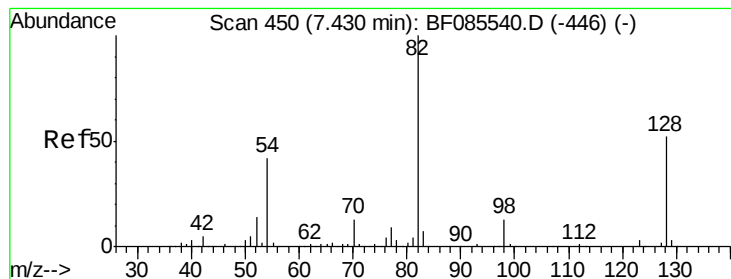
Tgt Ion: 70 Resp: 121891
Ion Ratio Lower Upper
70 100
42 41.7 37.1 55.7
101 0.0 8.6 12.8#
130 2.4 19.6 29.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 510
Delta R.T. -0.02 min
Lab File: BF085684.D
Acq: 23 Mar 2016 4:08

Tgt Ion: 136 Resp: 572495
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 6.9 7.4 11.0#
68 5.7 5.8 8.8#





#23

Nitrobenzene-d5

Concen: 95.18 ng

RT: 7.40 min Scan# 447

Delta R.T. -0.03 min

Lab File: BF085684.D

Acq: 23 Mar 2016 4:08

Instrument :

BNA_F

ClientSampled :

SP-4

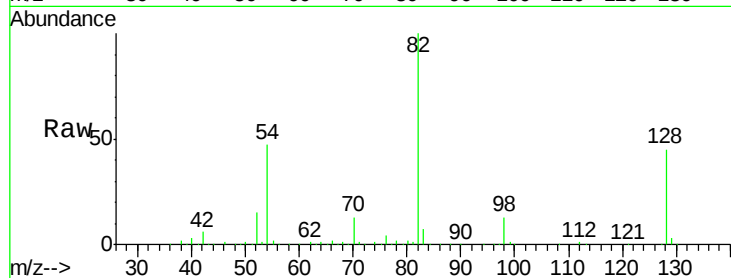
Tgt Ion: 82 Resp: 938731

Ion Ratio Lower Upper

82 100

128 44.6 41.8 62.8

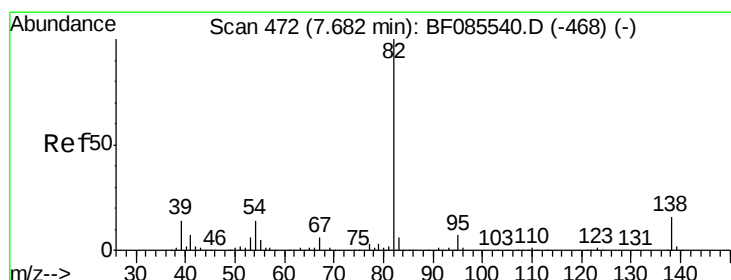
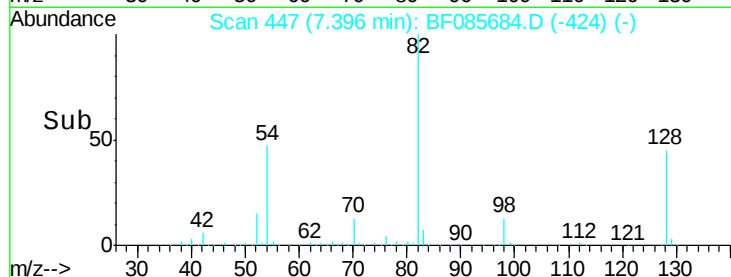
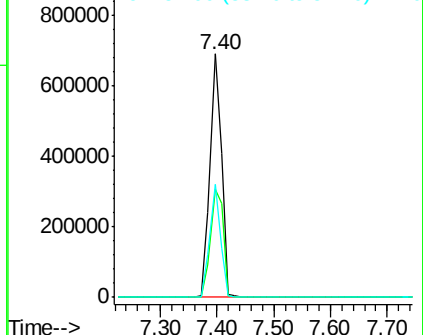
54 46.5 33.4 50.0



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: 38.80 ng

RT: 7.40 min Scan# 447

Delta R.T. -0.29 min

Lab File: BF085684.D

Acq: 23 Mar 2016 4:08

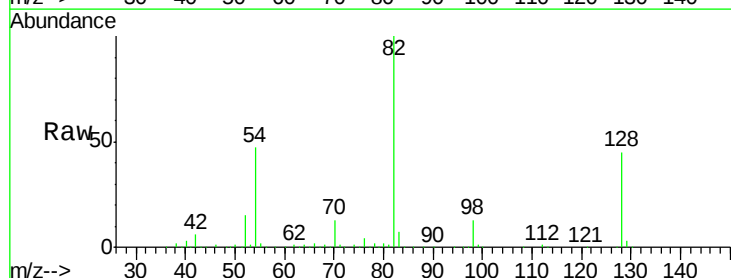
Tgt Ion: 82 Resp: 766255

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

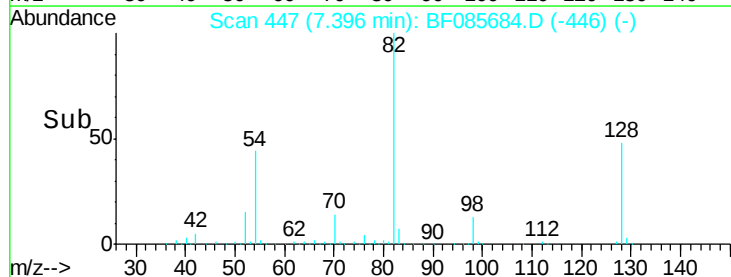
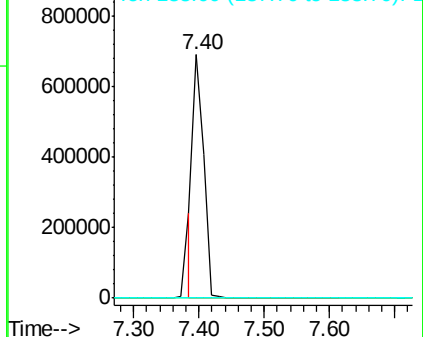
138 0.0 12.9 19.3#

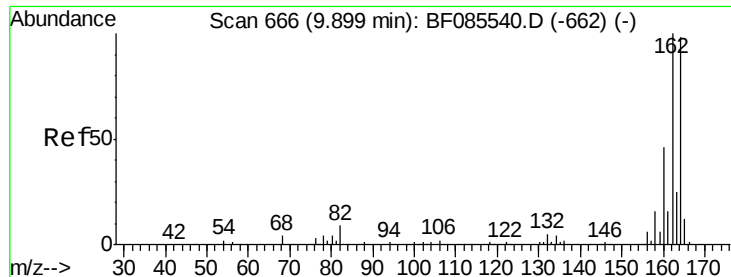


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

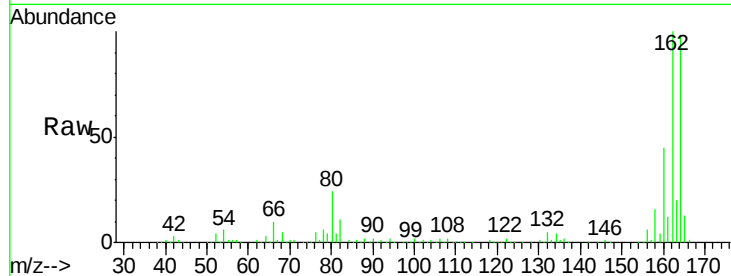




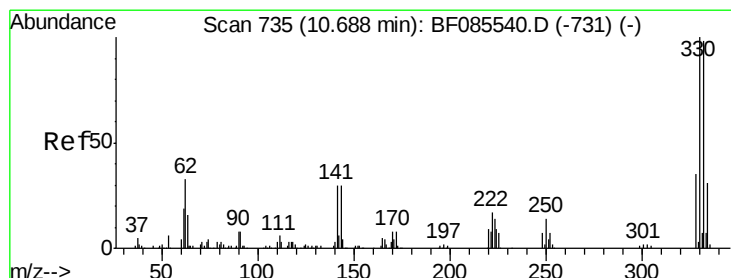
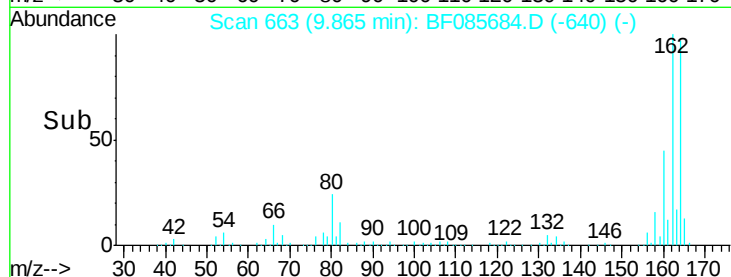
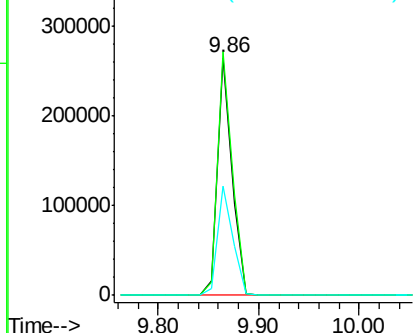
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 663
 Delta R.T. -0.03 min
 Lab File: BF085684.D
 Acq: 23 Mar 2016 4:08

Instrument :
 BNA_F
 ClientSampleId :
 SP-4

Tgt Ion:164 Resp: 264895
 Ion Ratio Lower Upper
 164 100
 162 102.4 82.1 123.1
 160 45.9 37.4 56.2

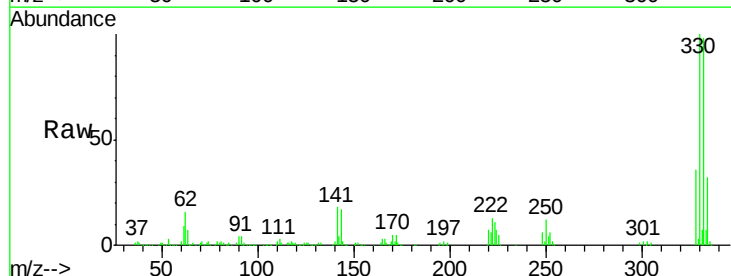


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

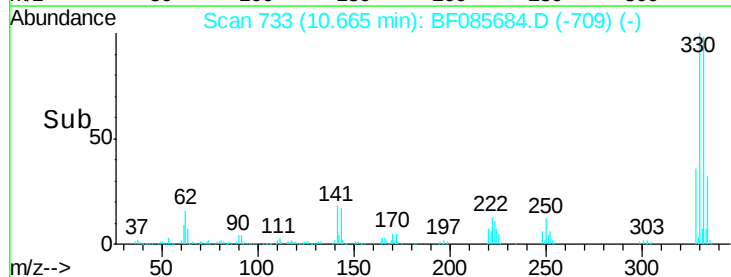
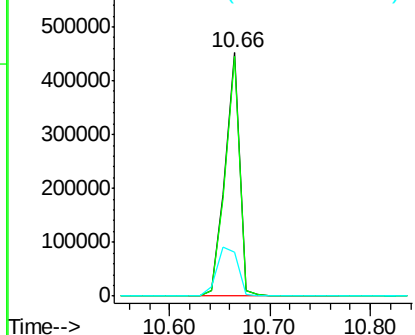


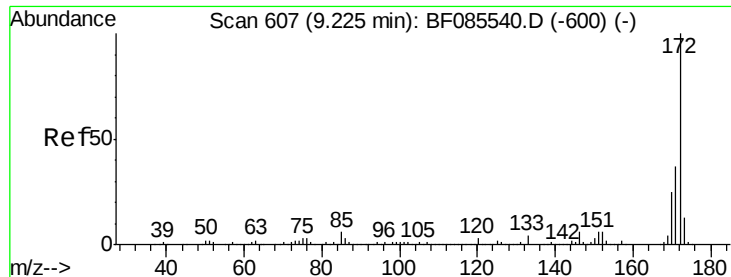
#41
 2,4,6-Tribromophenol
 Concen: 176.98 ng
 RT: 10.66 min Scan# 733
 Delta R.T. -0.02 min
 Lab File: BF085684.D
 Acq: 23 Mar 2016 4:08

Tgt Ion:330 Resp: 459239
 Ion Ratio Lower Upper
 330 100
 332 97.9 78.2 117.2
 141 29.7 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

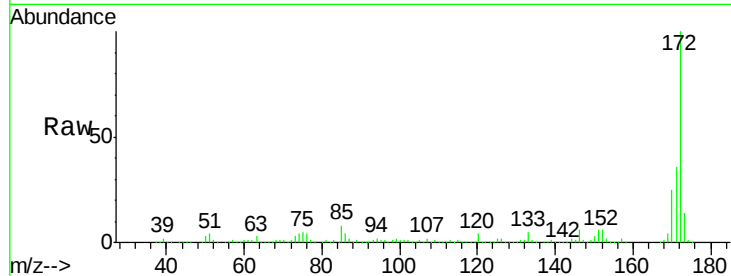




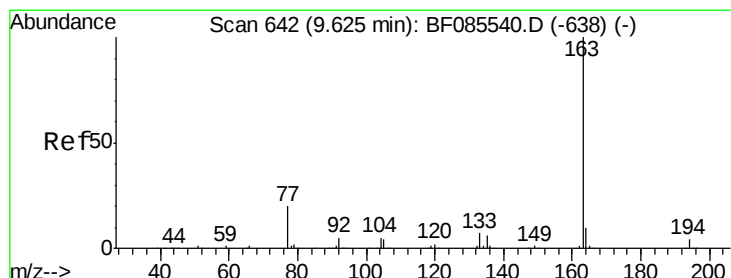
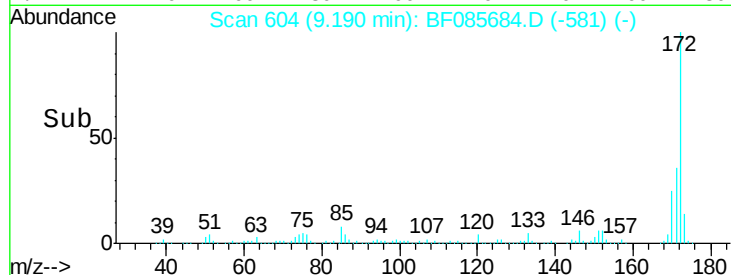
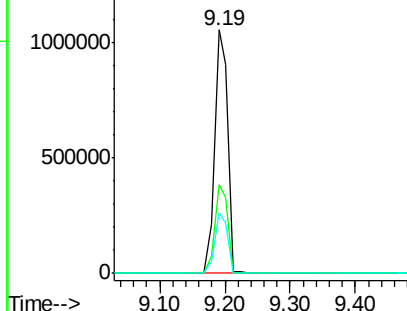
#44
 2-Fluorobiphenyl
 Concen: 102.42 ng
 RT: 9.19 min Scan# 604
 Delta R.T. -0.03 min
 Lab File: BF085684.D
 Acq: 23 Mar 2016 4:08

Instrument :
 BNA_F
 ClientSampled :
 SP-4

Tgt Ion:172 Resp: 1509319
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.2
 170 24.8 19.8 29.6

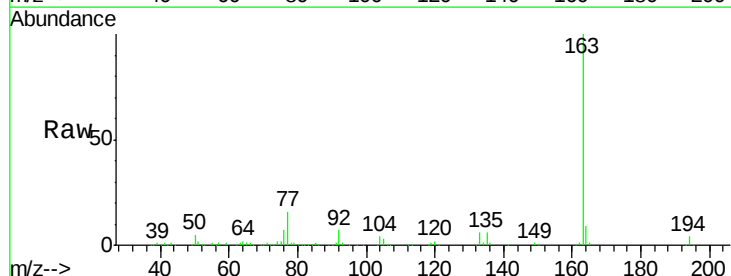


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

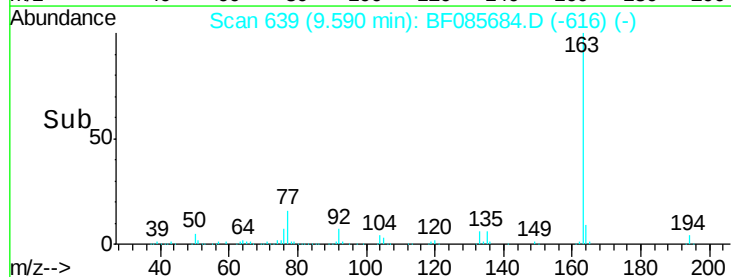
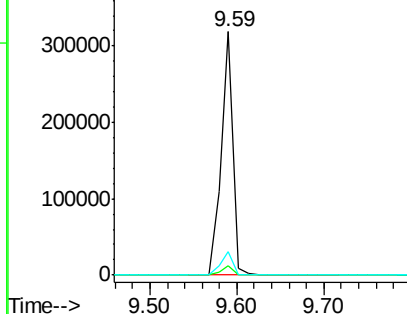


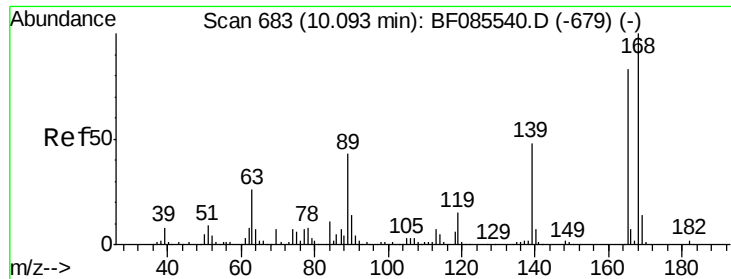
#49
 Dimethylphthalate
 Concen: 15.25 ng
 RT: 9.59 min Scan# 639
 Delta R.T. -0.03 min
 Lab File: BF085684.D
 Acq: 23 Mar 2016 4:08

Tgt Ion:163 Resp: 304898
 Ion Ratio Lower Upper
 163 100
 194 3.8 2.9 4.3
 164 9.4 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

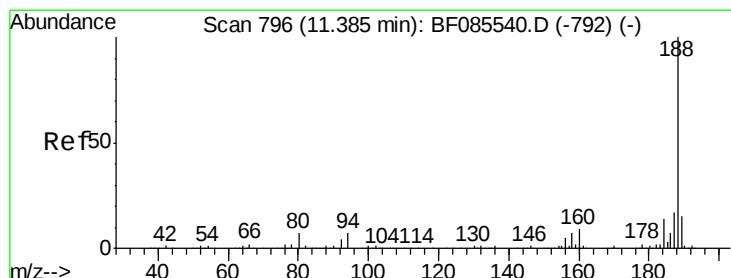
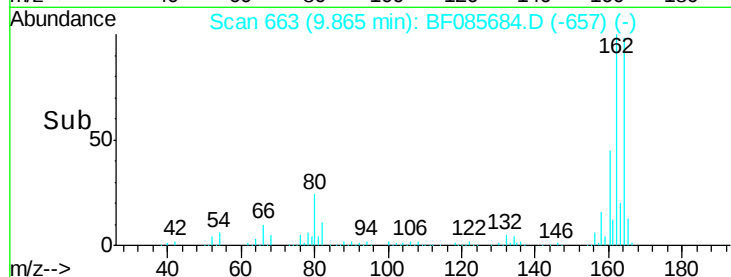
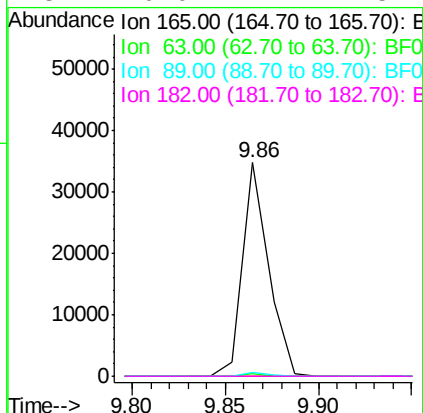
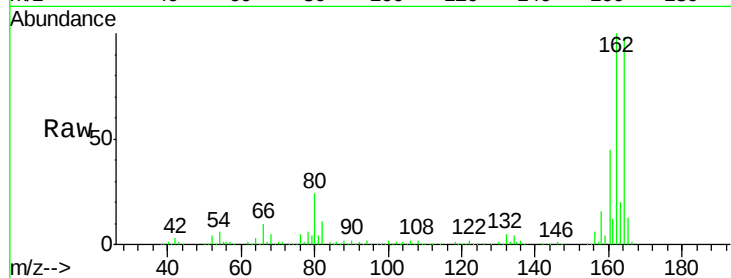




#56
 2,4-Dinitrotoluene
 Concen: 6.16 ng
 RT: 9.86 min Scan# 663
 Delta R.T. -0.23 min
 Lab File: BF085684.D
 Acq: 23 Mar 2016 4:08

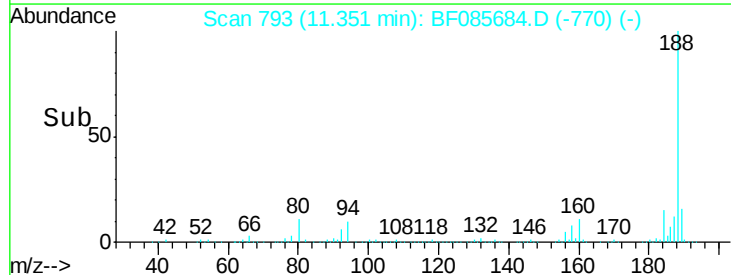
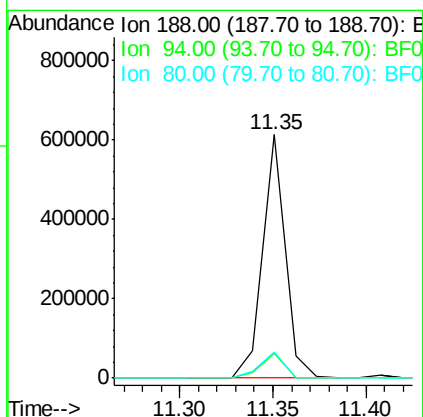
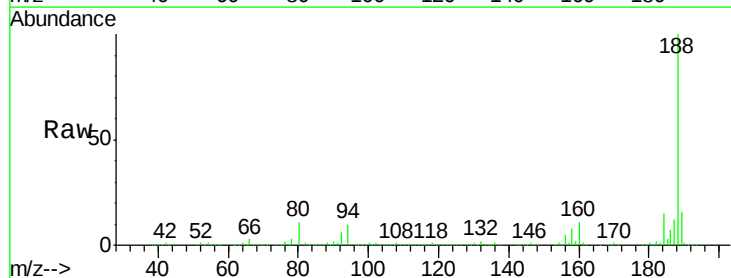
Instrument :
 BNA_F
 ClientSampleId :
 SP-4

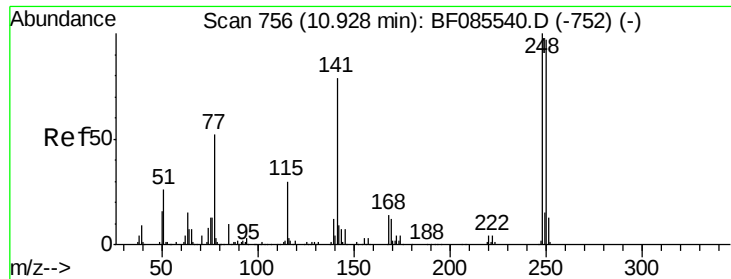
Tgt Ion:	165	Resp:	34007
Ion Ratio	Lower	Upper	
165	100		
63	1.4	24.9	37.3#
89	1.8	41.0	61.6#
182	0.0	2.1	3.1#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.35 min Scan# 793
 Delta R.T. -0.03 min
 Lab File: BF085684.D
 Acq: 23 Mar 2016 4:08

Tgt Ion:	188	Resp:	510393
Ion Ratio	Lower	Upper	
188	100		
94	10.0	5.4	8.0#
80	10.6	5.5	8.3#

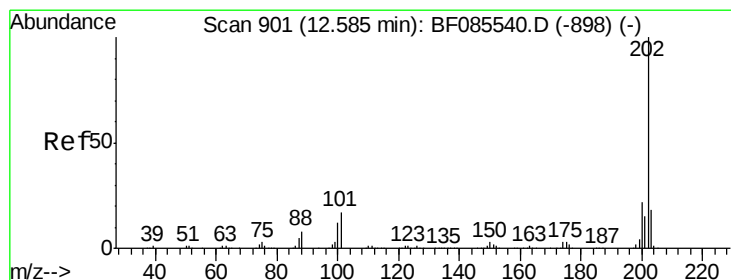
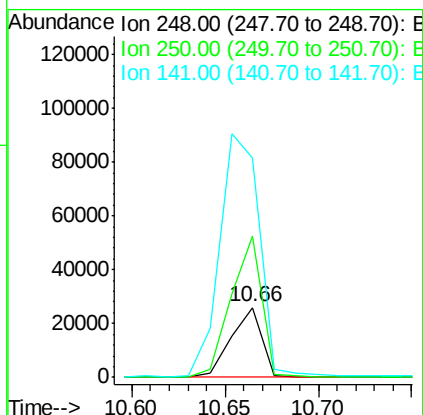
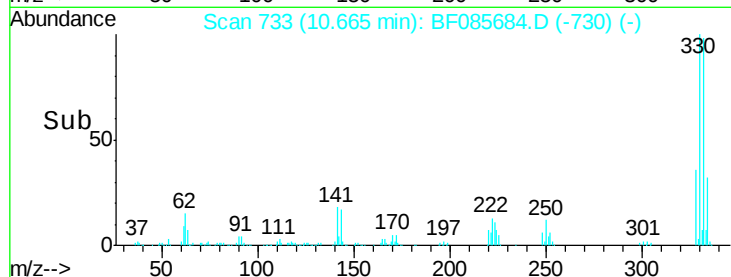
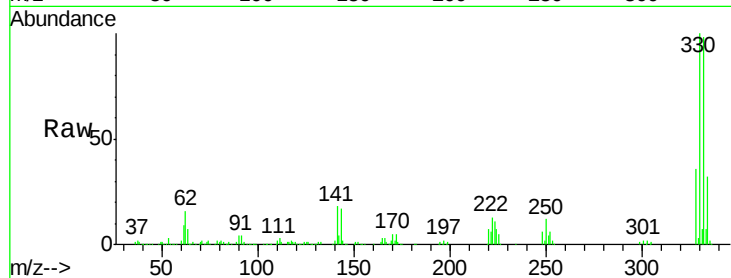




#66
 4-Bromophenyl-phenylether
 Concen: 5.84 ng
 RT: 10.66 min Scan# 733
 Delta R.T. -0.26 min
 Lab File: BF085684.D
 Acq: 23 Mar 2016 4:08

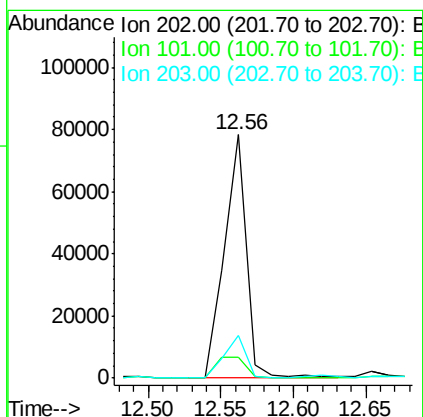
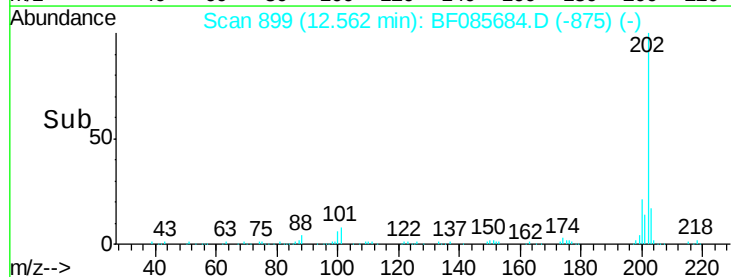
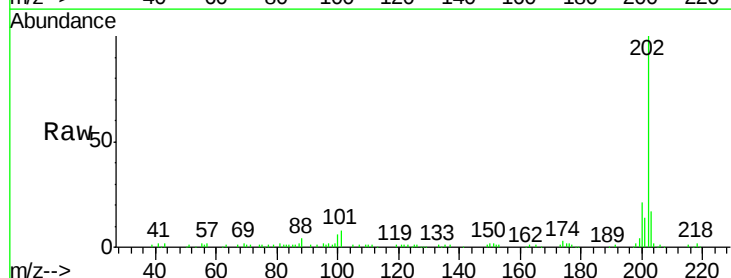
Instrument :
 BNA_F
 ClientSampleId :
 SP-4

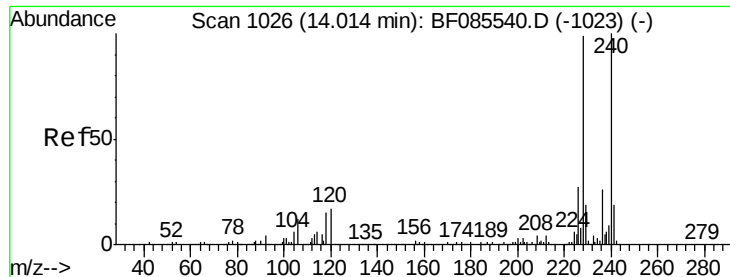
Tgt Ion:248 Resp: 29792
 Ion Ratio Lower Upper
 248 100
 250 203.3 77.4 116.0#
 141 314.6 63.6 95.4#



#74
 Fluoranthene
 Concen: 2.93 ng
 RT: 12.56 min Scan# 899
 Delta R.T. -0.02 min
 Lab File: BF085684.D
 Acq: 23 Mar 2016 4:08

Tgt Ion:202 Resp: 82556
 Ion Ratio Lower Upper
 202 100
 101 8.3 0.0 36.6
 203 17.4 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.98 min Scan# 1023

Delta R.T. -0.03 min

Lab File: BF085684.D

Acq: 23 Mar 2016 4:08

Instrument :

BNA_F

ClientSampleId :

SP-4

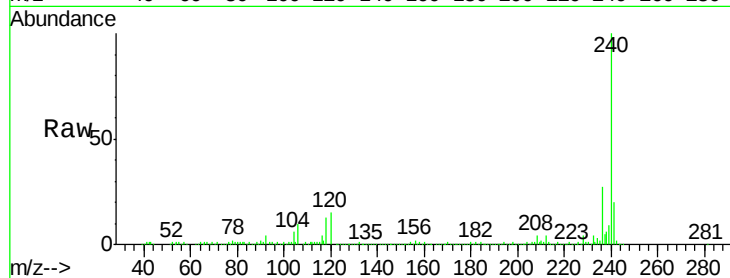
Tgt Ion:240 Resp: 307957

Ion Ratio Lower Upper

240 100

120 14.7 13.8 20.8

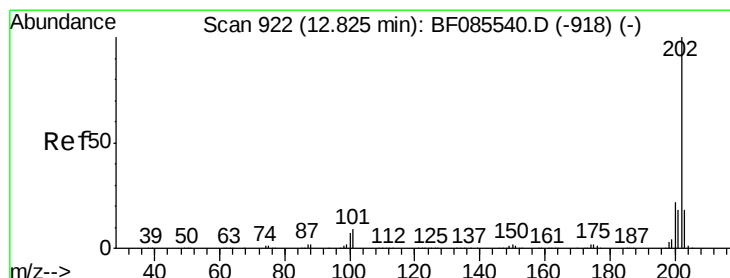
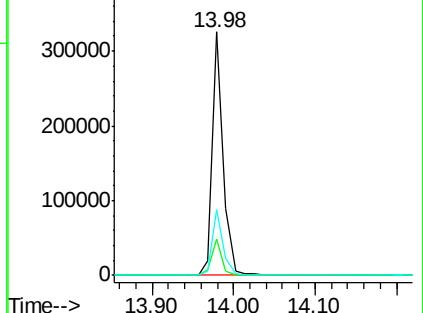
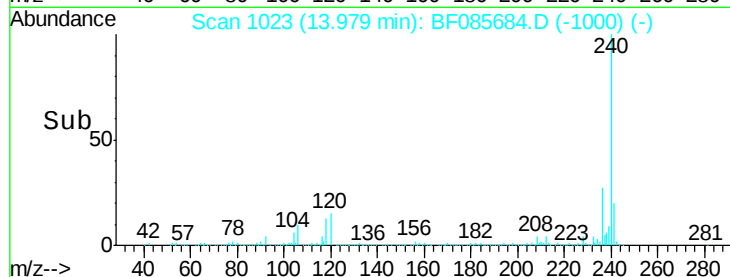
236 26.8 20.6 30.8



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: 3.60 ng

RT: 12.79 min Scan# 919

Delta R.T. -0.03 min

Lab File: BF085684.D

Acq: 23 Mar 2016 4:08

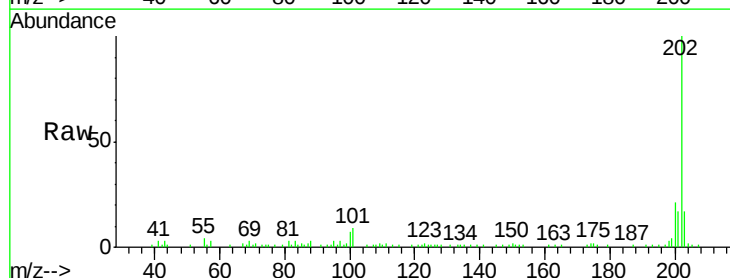
Tgt Ion:202 Resp: 79669

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

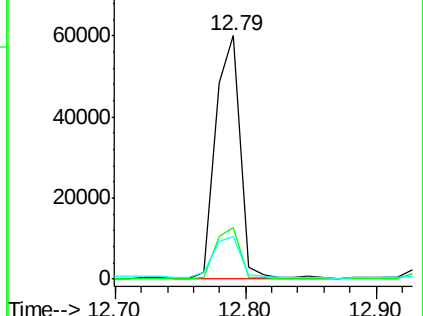
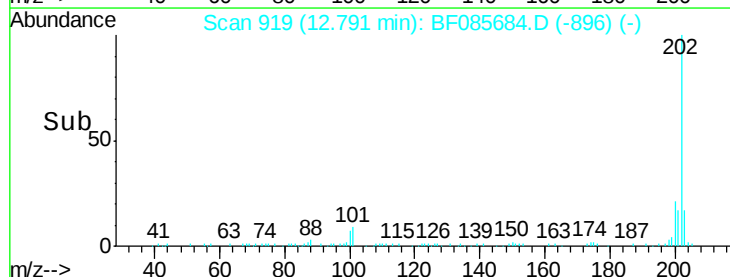
203 17.3 14.0 21.0

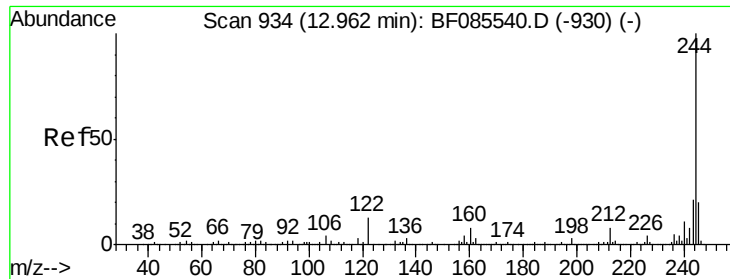


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

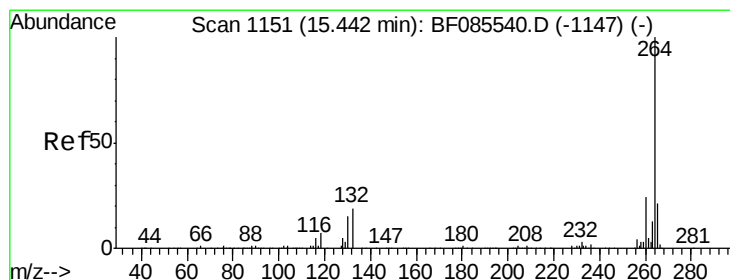
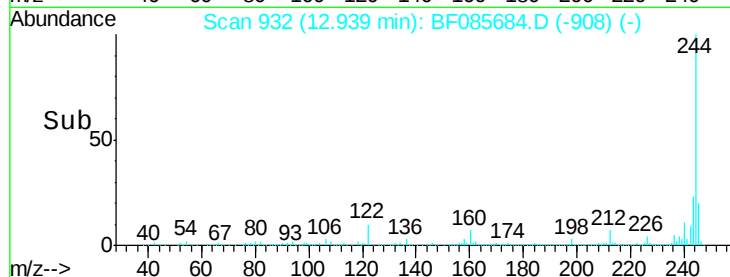
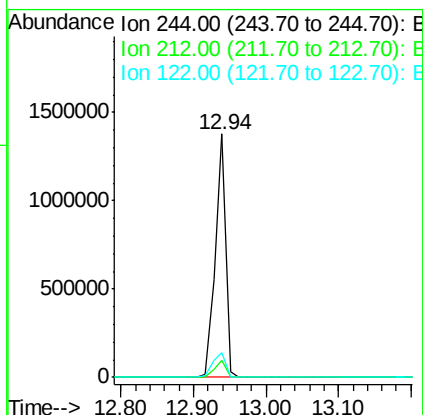
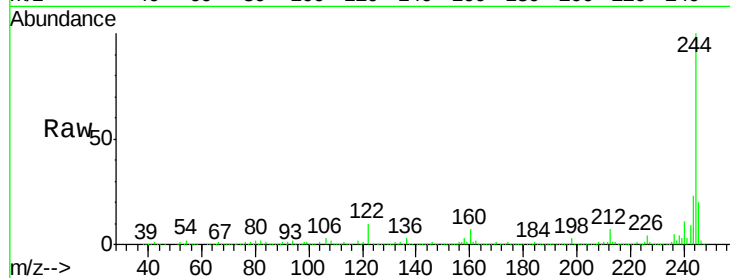




#78
 Terphenyl-d14
 Concen: 107.32 ng
 RT: 12.94 min Scan# 932
 Delta R.T. -0.02 min
 Lab File: BF085684.D
 Acq: 23 Mar 2016 4:08

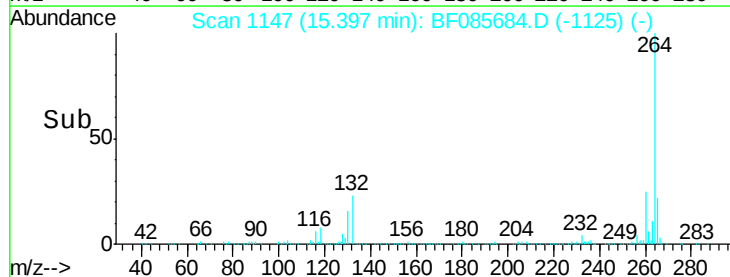
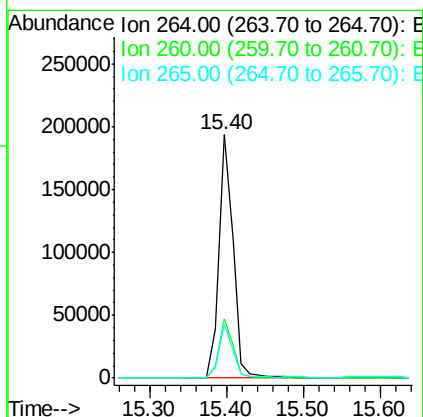
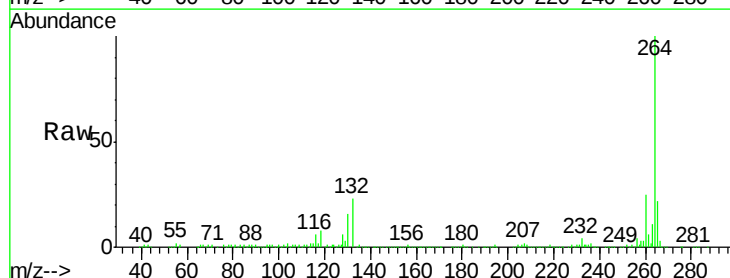
Instrument :
 BNA_F
 ClientSampleId :
 SP-4

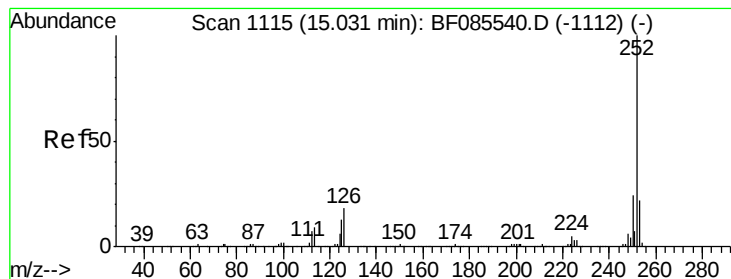
Tgt Ion:244 Resp: 1373398
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 10.0 10.2 15.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1147
 Delta R.T. -0.05 min
 Lab File: BF085684.D
 Acq: 23 Mar 2016 4:08

Tgt Ion:264 Resp: 252074
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.4 29.2
 265 22.2 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 3.16 ng

RT: 15.00 min Scan# 1112

Delta R.T. -0.03 min

Lab File: BF085684.D

Acq: 23 Mar 2016 4:08

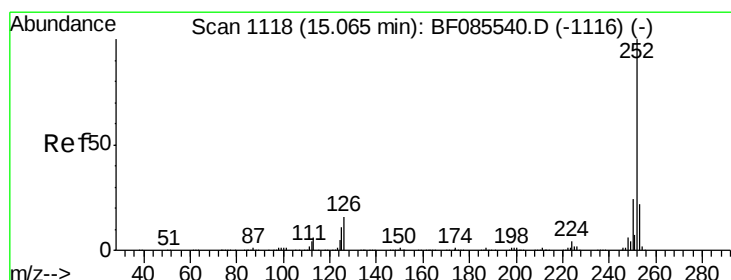
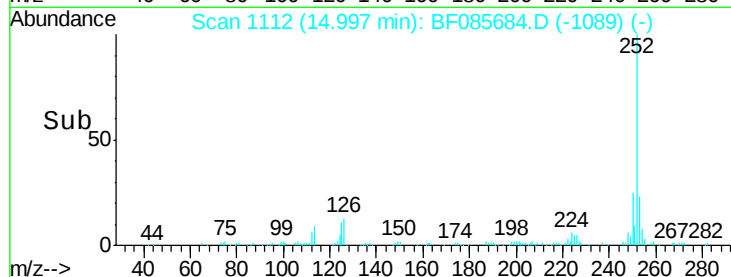
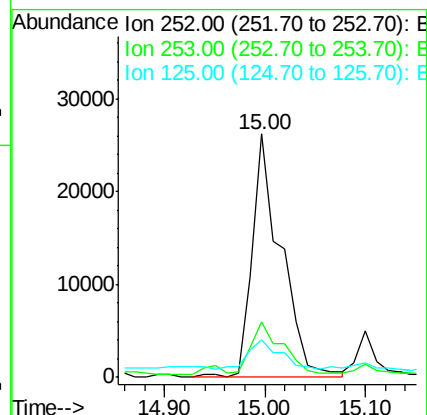
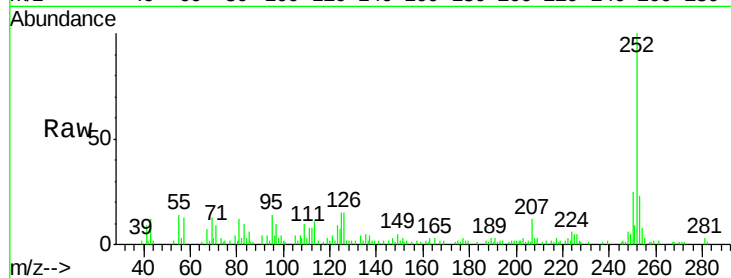
Instrument :

BNA_F

ClientSampleId :

SP-4

Tgt Ion:	252	Resp:	52034
Ion Ratio		Lower	Upper
252	100		
253	23.0	17.6	26.4
125	15.3	10.3	15.5



#88

Benzo(k)fluoranthene

Concen: 3.84 ng

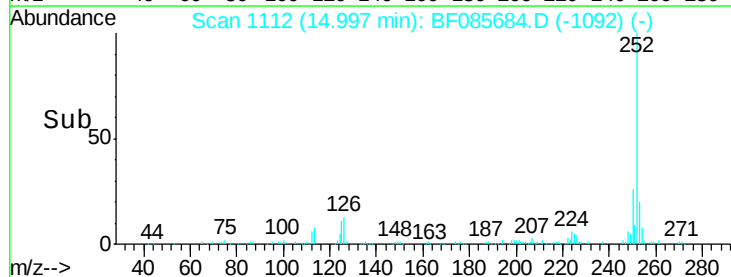
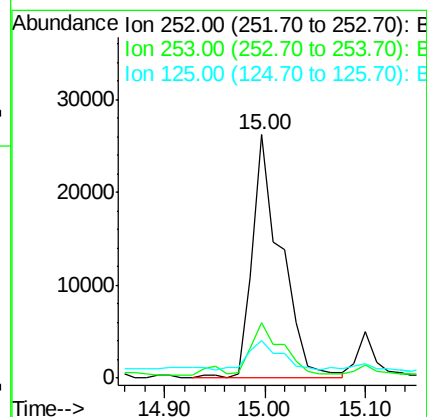
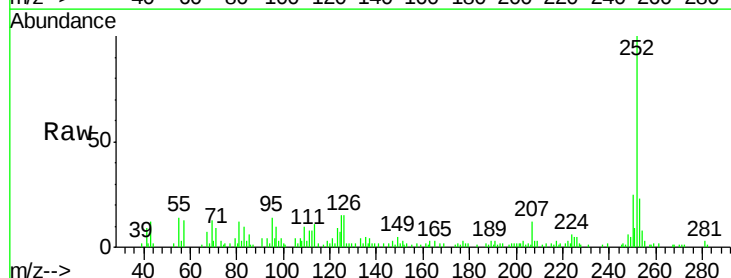
RT: 15.00 min Scan# 1112

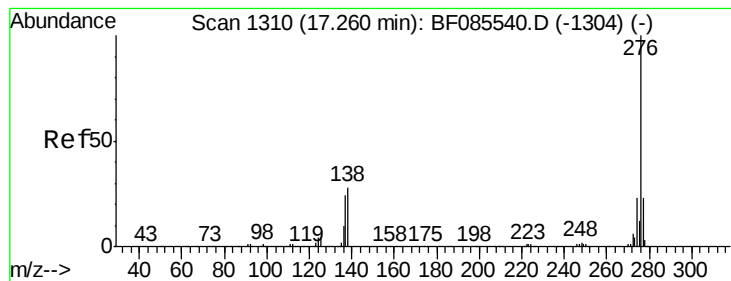
Delta R.T. -0.07 min

Lab File: BF085684.D

Acq: 23 Mar 2016 4:08

Tgt Ion:	252	Resp:	52034
Ion Ratio		Lower	Upper
252	100		
253	23.0	17.8	26.6
125	15.3	7.7	11.5#





#91

Benzo(g,h,i)perylene

Concen: 2.54 ng

RT: 17.19 min Scan# 1304

Delta R.T. -0.07 min

Lab File: BF085684.D

Acq: 23 Mar 2016 4:08

Instrument :

BNA_F

ClientSampleId :

SP-4

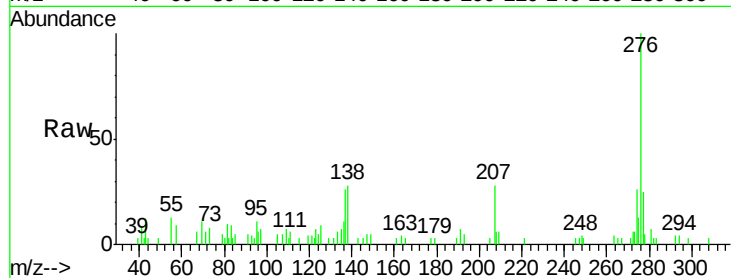
Tgt Ion: 276 Resp: 28581

Ion Ratio Lower Upper

276 100

277 25.3 18.8 28.2

138 27.9 22.6 34.0



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

