

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031416\
 Data File : BF085449.D
 Acq On : 15 Mar 2016 2:04
 Operator : UM/SJ
 Sample : H1730-10RE
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-07-COMP(0.5-4.0)

Quant Time: Mar 15 04:03:23 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	6.93	152	173378	20.00	ng	-0.06
21) Naphthalene-d8	8.21	136	667427	20.00	ng	-0.06
38) Acenaphthene-d10	9.97	164	319137	20.00	ng	-0.06
63) Phenanthrene-d10	11.45	188	539315	20.00	ng	-0.06
75) Chrysene-d12	14.09	240	331415	20.00	ng	-0.06
86) Perylene-d12	15.55	264	287326	20.00	ng	-0.07

System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	1642833	158.94	ng	-0.03
7) Phenol-d6	6.56	99	1738657	128.39	ng	-0.05
23) Nitrobenzene-d5	7.49	82	1172894	94.04	ng	-0.06
41) 2,4,6-Tribromophenol	10.76	330	392737	143.82	ng	-0.06
44) 2-Fluorobiphenyl	9.29	172	1821863	86.82	ng	-0.06
78) Terphenyl-d14	13.04	244	1286384	90.11	ng	-0.05

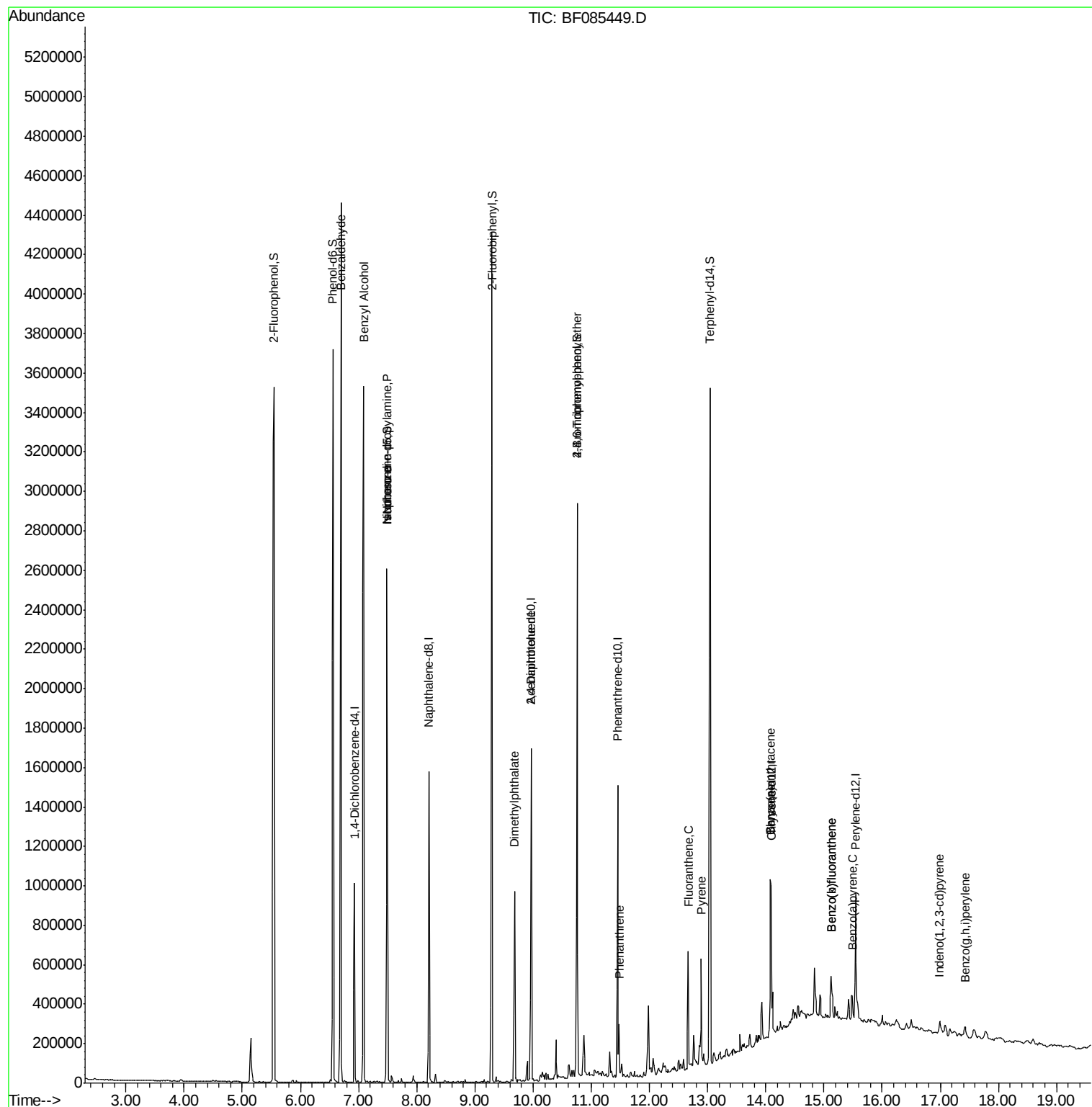
Target Compounds						Qvalue
9) Benzaldehyde	6.70	77	34396	2.53	ng	87
15) Benzyl Alcohol	7.09	79	20581	2.07	ng	# 42
19) n-Nitroso-di-n-propylamine	7.49	70	154363	17.49	ng	# 78
25) Isophorone	7.49	82	943516	40.82	ng	# 67
49) Dimethylphthalate	9.68	163	415884	16.98	ng	99
56) 2,4-Dinitrotoluene	9.97	165	41738	6.22	ng	# 22
66) 4-Bromophenyl-phenylether	10.76	248	26012	4.97	ng	# 1
70) Phenanthrene	11.48	178	103090	3.65	ng	96
74) Fluoranthene	12.66	202	234372	8.26	ng	96
77) Pyrene	12.89	202	221810	8.89	ng	98
80) Benzo(a)anthracene	14.08	228	108221	5.45	ng	97
82) Chrysene	14.08	228	108948	5.94	ng	99
85) Indeno(1,2,3-cd)pyrene	16.99	276	41835	2.92	ng	# 92
87) Benzo(b)fluoranthene	15.12	252	146001	7.62	ng	96
88) Benzo(k)fluoranthene	15.12	252	146001	9.45	ng	# 95
89) Benzo(a)pyrene	15.49	252	76826	4.84	ng	# 96
91) Benzo(g,h,i)perylene	17.43	276	37332	2.74	ng	96

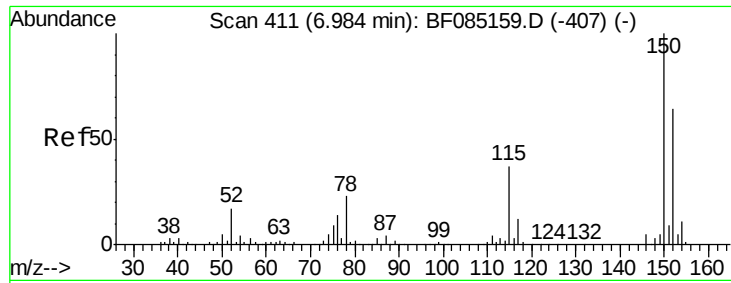
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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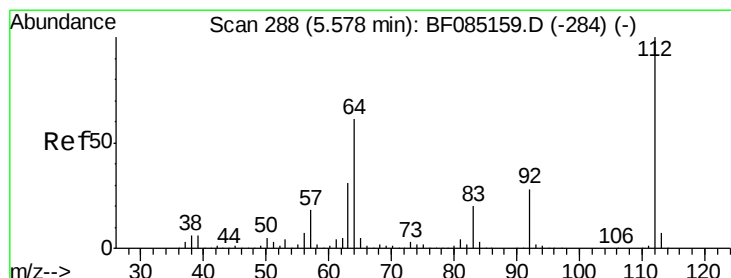
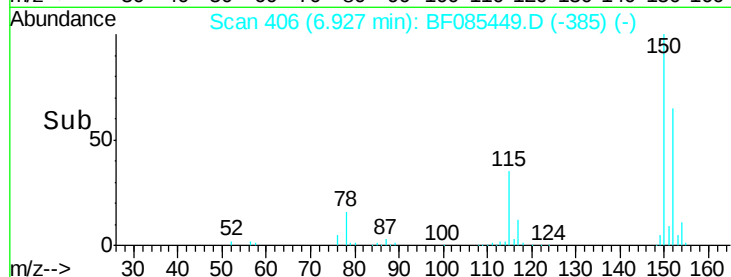
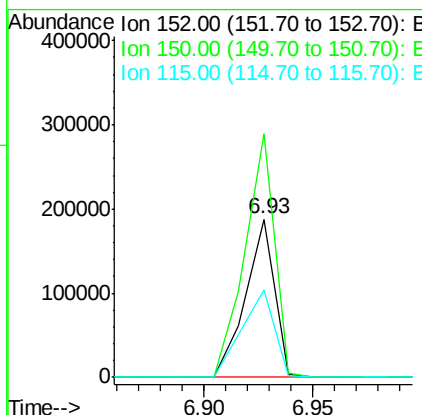
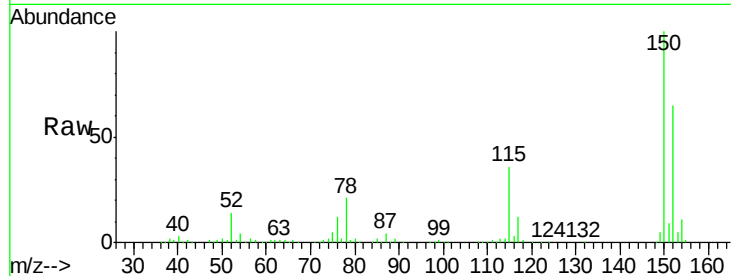




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.93 min Scan# 406
 Delta R.T. -0.06 min
 Lab File: BF085449.D
 Acq: 15 Mar 2016 2:04

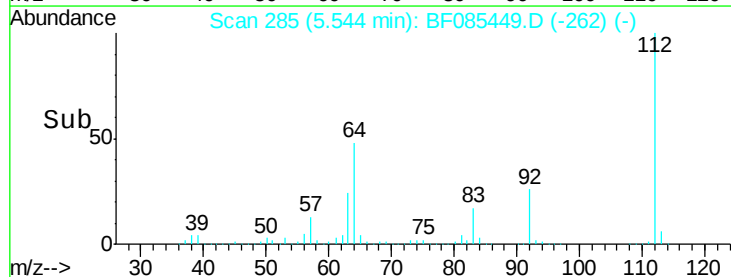
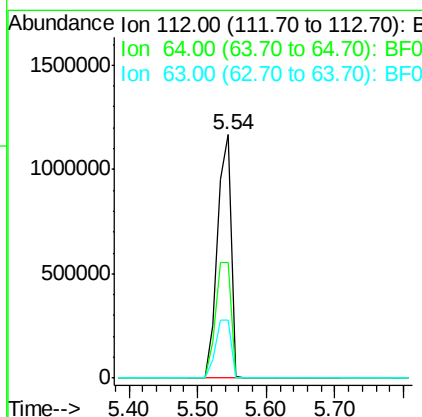
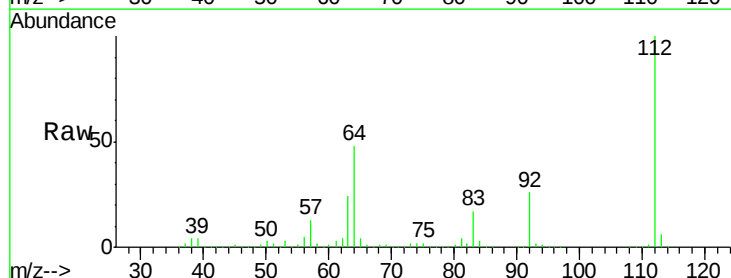
Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-07-COMP(0.5-4.0)

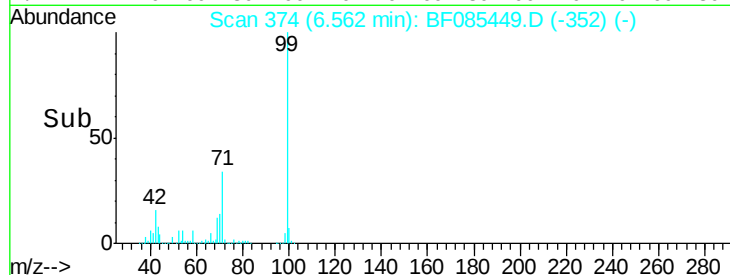
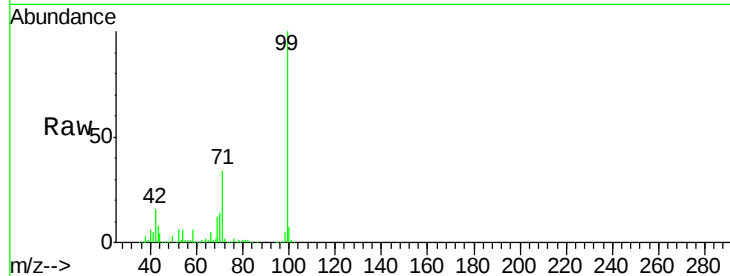
Tgt Ion:152 Resp: 173378
 Ion Ratio Lower Upper
 152 100
 150 154.1 124.6 186.8
 115 55.0 46.6 70.0



#5
 2-Fluorophenol
 Concen: 158.94 ng
 RT: 5.54 min Scan# 285
 Delta R.T. -0.03 min
 Lab File: BF085449.D
 Acq: 15 Mar 2016 2:04

Tgt Ion:112 Resp: 1642833
 Ion Ratio Lower Upper
 112 100
 64 47.6 49.0 73.4#
 63 23.9 24.8 37.2#





#7

Phenol-d6

Concen: 128.39 ng

RT: 6.56 min Scan# 374

Delta R.T. -0.05 min

Lab File: BF085449.D

Acq: 15 Mar 2016 2:04

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-07-COMP(0.5-4.0)

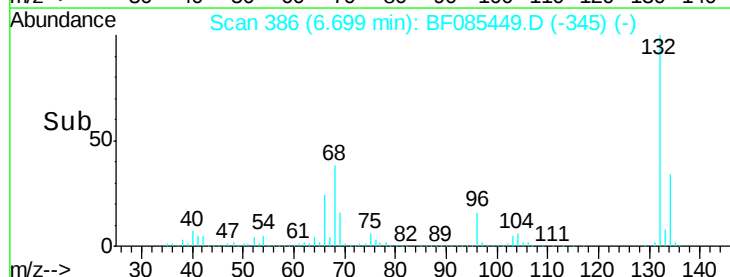
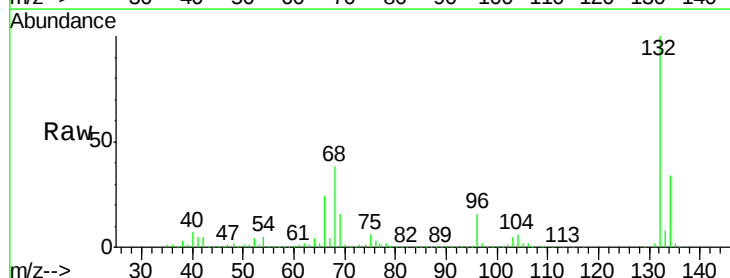
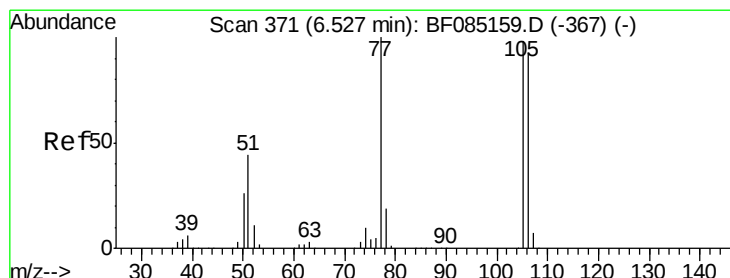
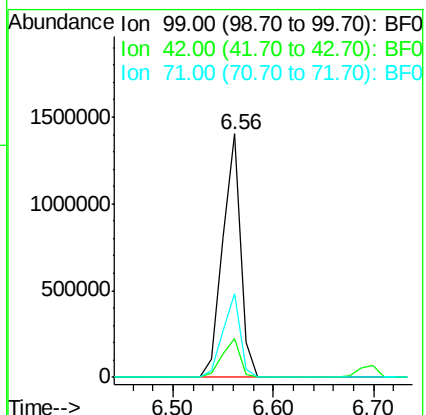
Tgt Ion: 99 Resp: 1738657

Ion Ratio Lower Upper

99 100

42 15.8 13.6 20.4

71 34.3 26.7 40.1



#9

Benzaldehyde

Concen: 2.53 ng

RT: 6.70 min Scan# 386

Delta R.T. 0.17 min

Lab File: BF085449.D

Acq: 15 Mar 2016 2:04

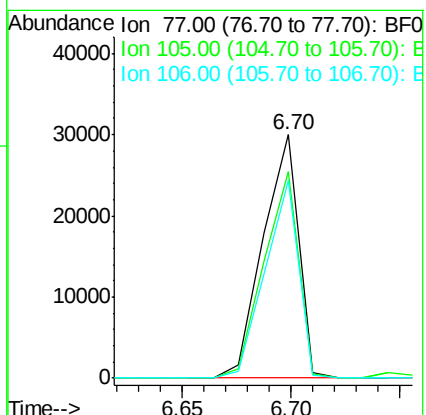
Tgt Ion: 77 Resp: 34396

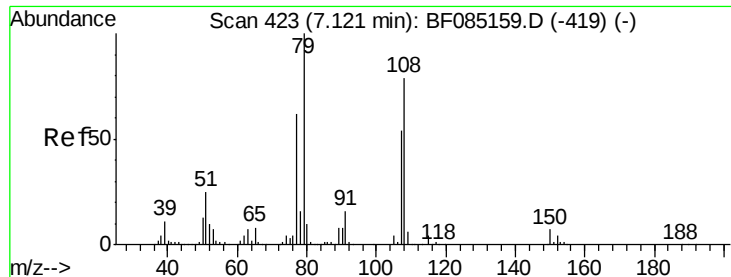
Ion Ratio Lower Upper

77 100

105 84.9 78.2 118.2

106 81.0 72.9 112.9





#15

Benzyl Alcohol

Concen: 2.07 ng

RT: 7.09 min Scan# 420

Delta R.T. -0.03 min

Lab File: BF085449.D

Acq: 15 Mar 2016 2:04

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-07-COMP(0.5-4.0)

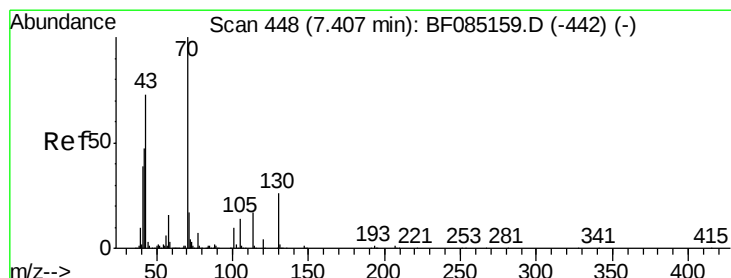
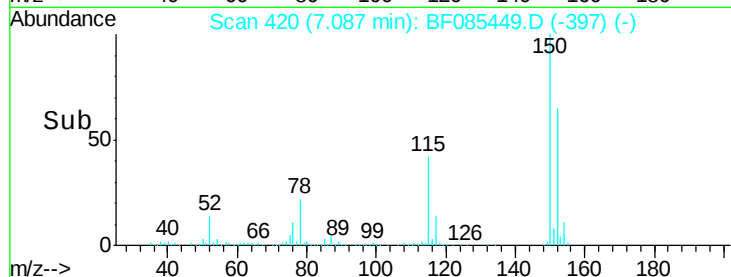
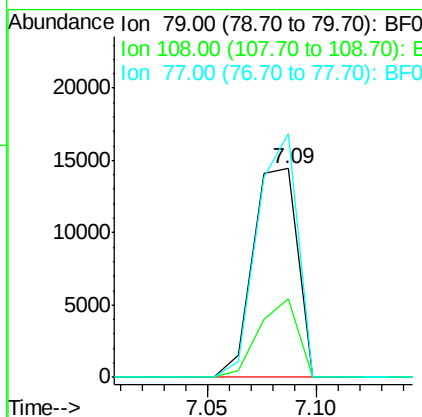
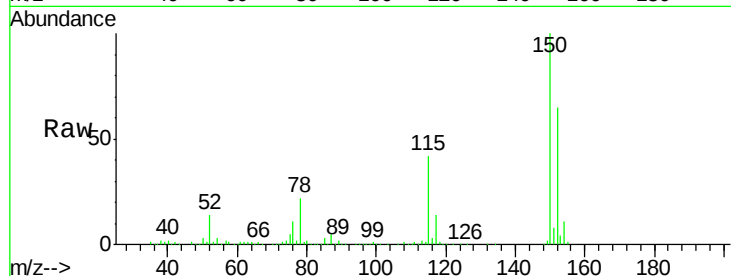
Tgt Ion: 79 Resp: 20581

Ion Ratio Lower Upper

79 100

108 37.4 62.9 94.3#

77 116.6 49.5 74.3#



#19

n-Nitroso-di-n-propylamine

Concen: 17.49 ng

RT: 7.49 min Scan# 455

Delta R.T. 0.08 min

Lab File: BF085449.D

Acq: 15 Mar 2016 2:04

Tgt Ion: 70 Resp: 154363

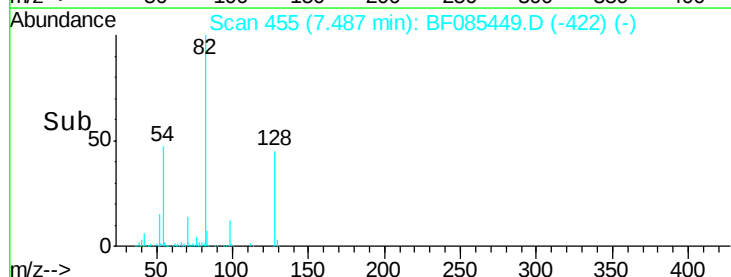
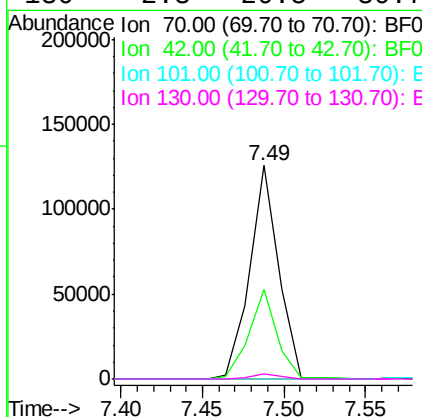
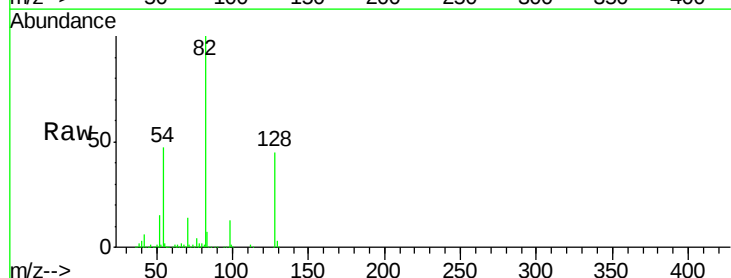
Ion Ratio Lower Upper

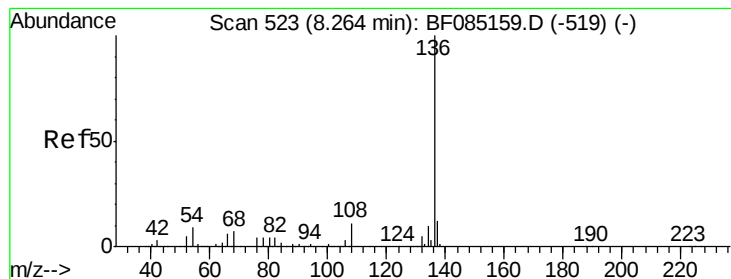
70 100

42 42.2 37.7 56.5

101 0.0 8.2 12.4#

130 2.3 20.5 30.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.21 min Scan# 518

Delta R.T. -0.06 min

Lab File: BF085449.D

Acq: 15 Mar 2016 2:04

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-07-COMP(0.5-4.0)

Tgt Ion:136 Resp: 667427

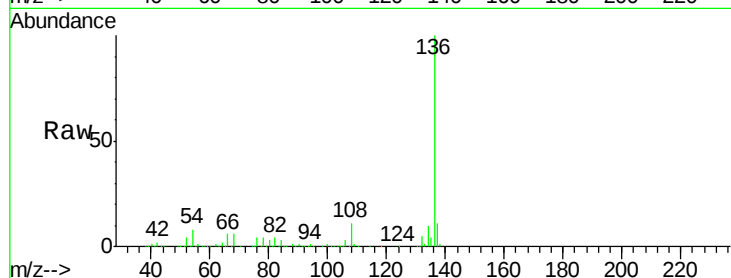
Ion Ratio Lower Upper

136 100

137 11.3 9.3 13.9

54 7.9 7.4 11.2

68 6.3 6.0 9.0

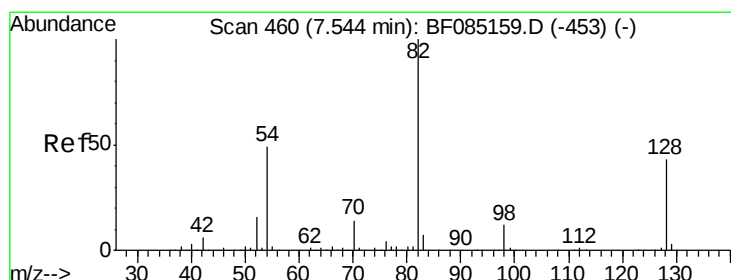
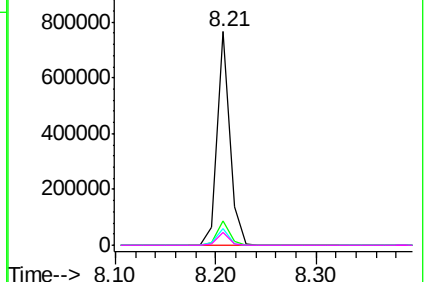
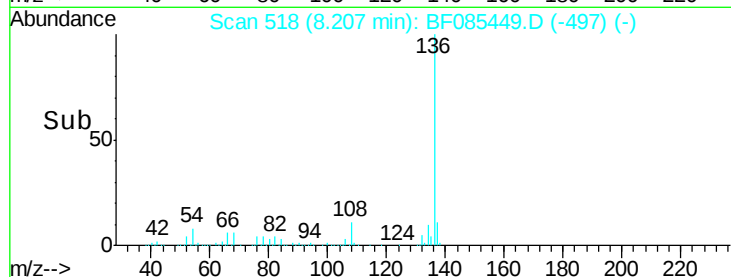


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 94.04 ng

RT: 7.49 min Scan# 455

Delta R.T. -0.06 min

Lab File: BF085449.D

Acq: 15 Mar 2016 2:04

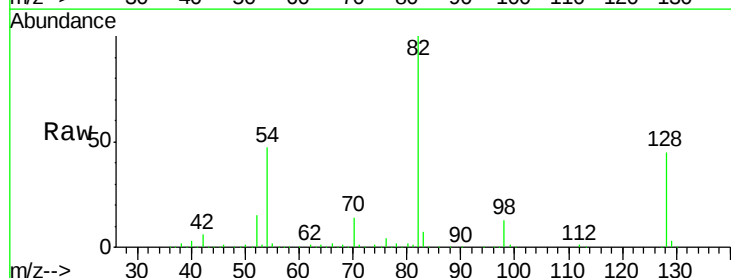
Tgt Ion: 82 Resp: 1172894

Ion Ratio Lower Upper

82 100

128 45.3 34.5 51.7

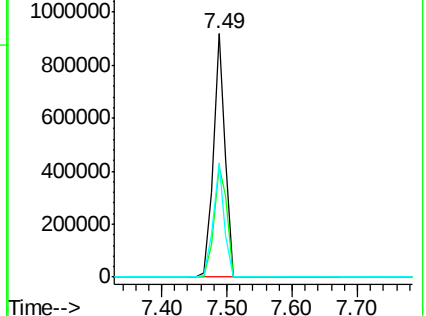
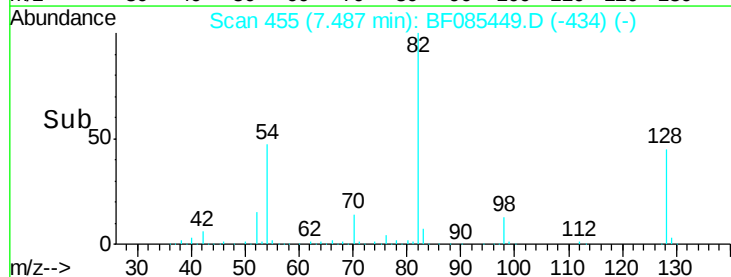
54 47.0 39.3 58.9

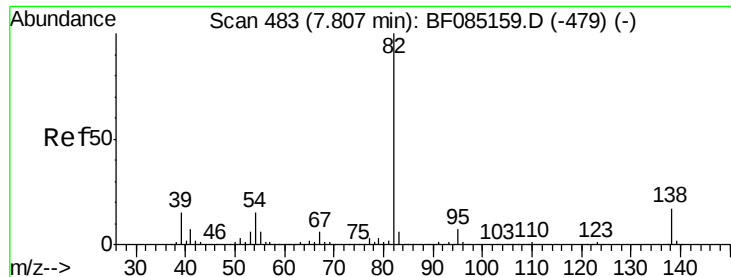


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 40.82 ng

RT: 7.49 min Scan# 455

Delta R.T. -0.32 min

Lab File: BF085449.D

Acq: 15 Mar 2016 2:04

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-07-COMP(0.5-4.0)

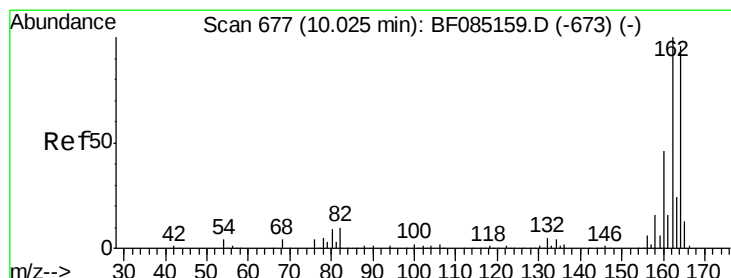
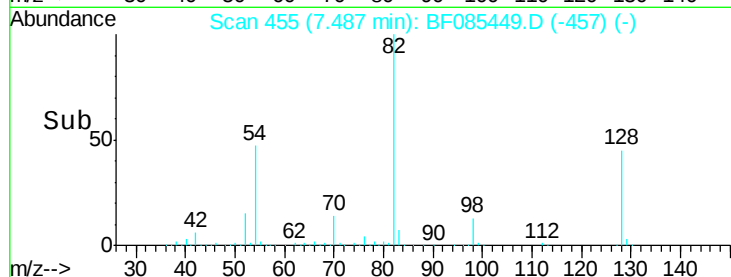
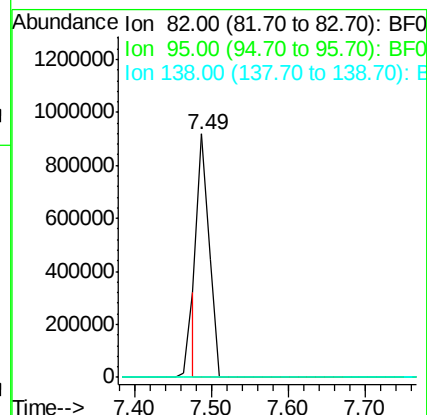
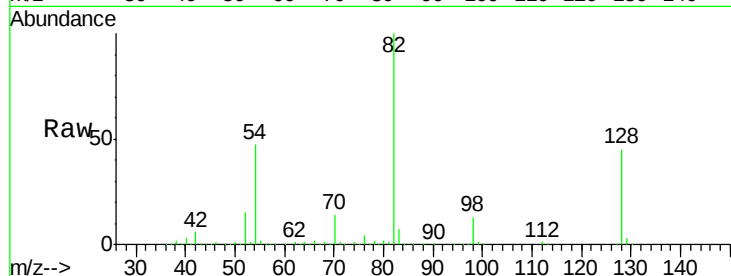
Tgt Ion: 82 Resp: 943516

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: 9.97 min Scan# 672

Delta R.T. -0.06 min

Lab File: BF085449.D

Acq: 15 Mar 2016 2:04

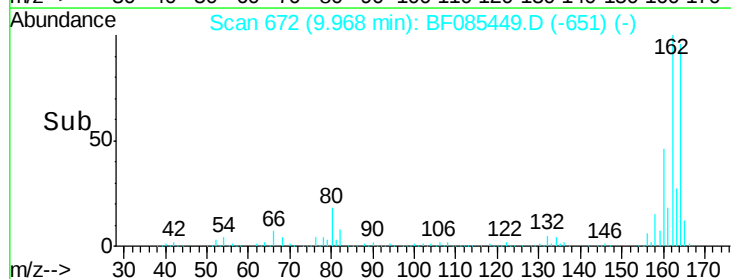
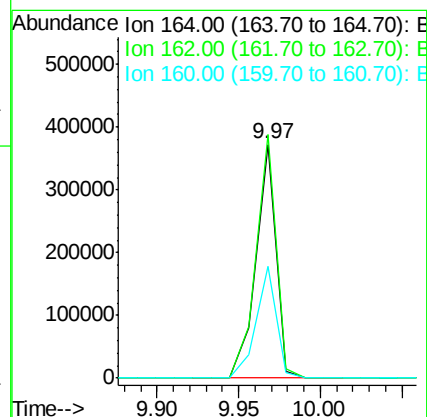
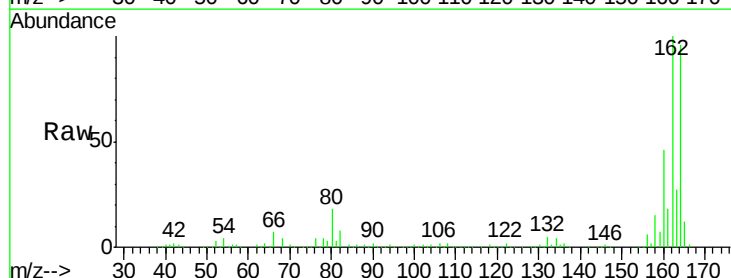
Tgt Ion: 164 Resp: 319137

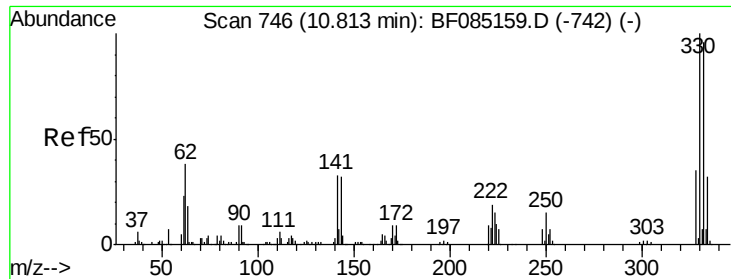
Ion Ratio Lower Upper

164 100

162 104.3 83.3 124.9

160 48.0 37.9 56.9

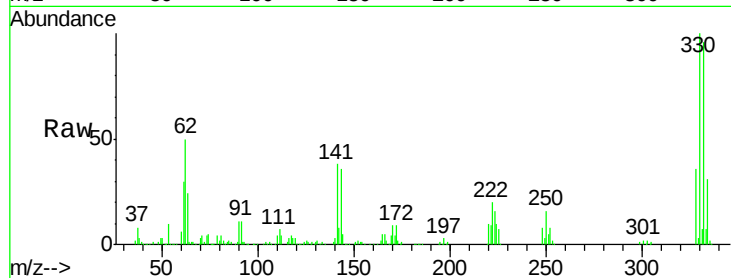




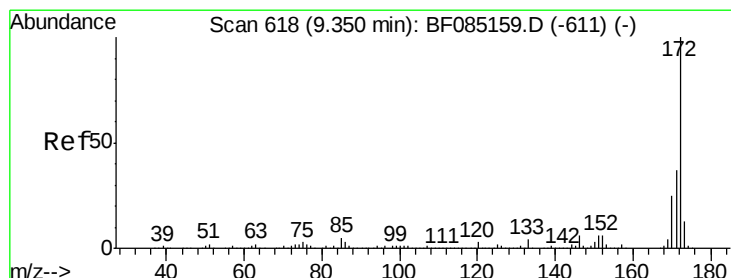
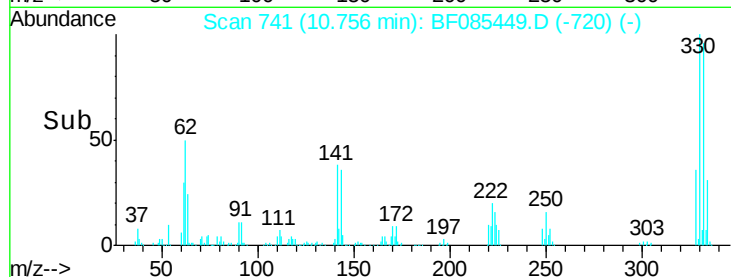
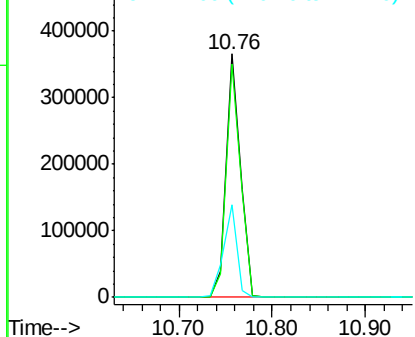
#41
 2,4,6-Tribromophenol
 Concen: 143.82 ng
 RT: 10.76 min Scan# 741
 Delta R.T. -0.06 min
 Lab File: BF085449.D
 Acq: 15 Mar 2016 2:04

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-07-COMP(0.5-4.0)

Tgt Ion:330 Resp: 392737
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.1 115.7
 141 35.3 35.0 52.6

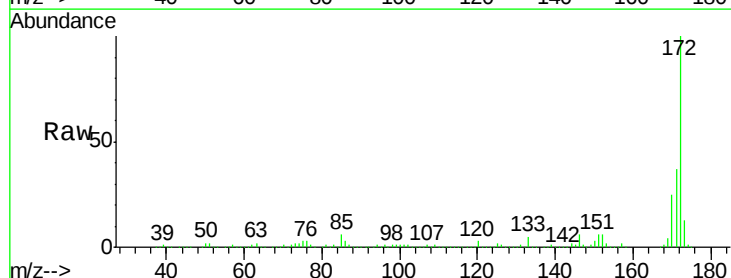


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

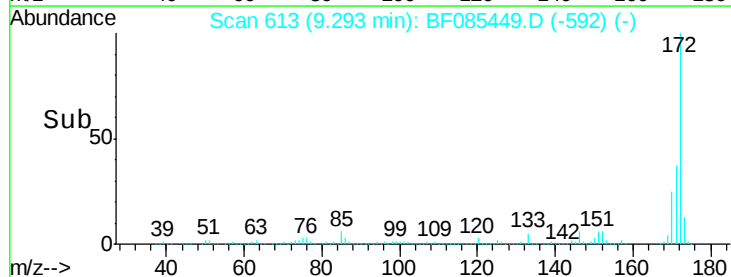
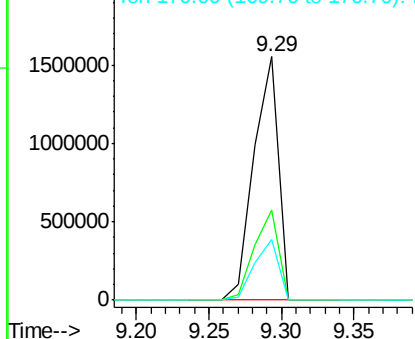


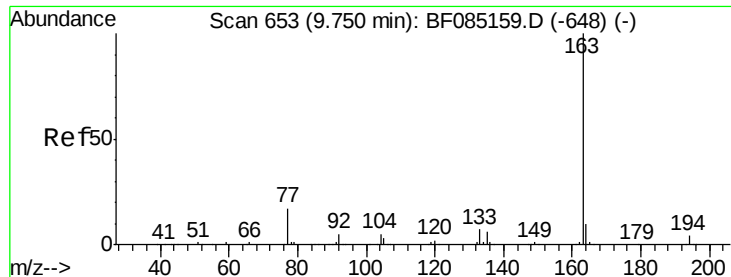
#44
 2-Fluorobiphenyl
 Concen: 86.82 ng
 RT: 9.29 min Scan# 613
 Delta R.T. -0.06 min
 Lab File: BF085449.D
 Acq: 15 Mar 2016 2:04

Tgt Ion:172 Resp: 1821863
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.3 43.9
 170 25.0 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

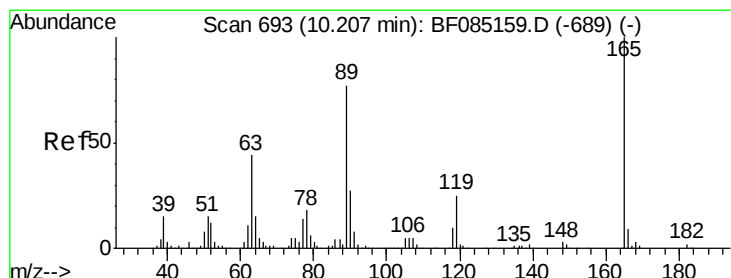
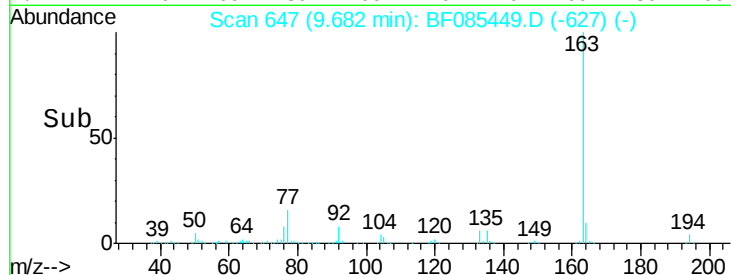
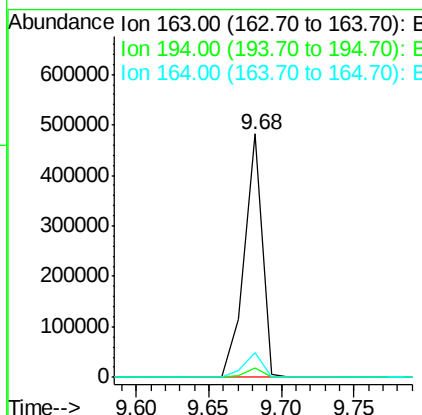
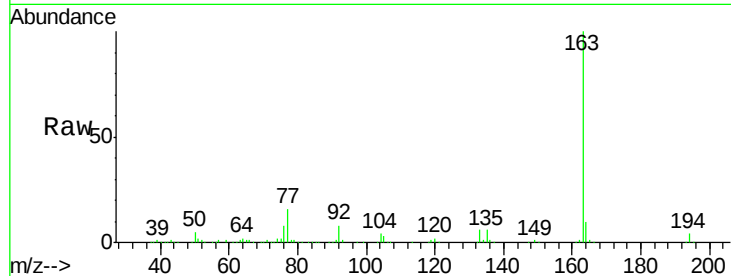




#49
Dimethylphthalate
Concen: 16.98 ng
RT: 9.68 min Scan# 647
Delta R.T. -0.07 min
Lab File: BF085449.D
Acq: 15 Mar 2016 2:04

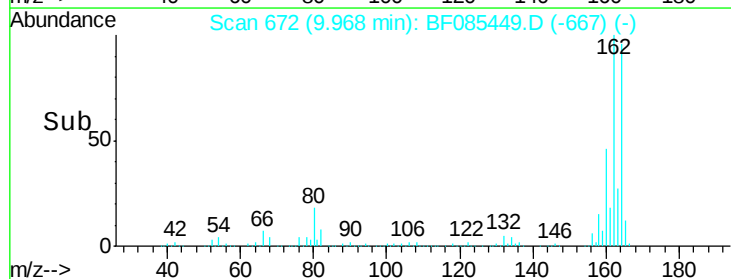
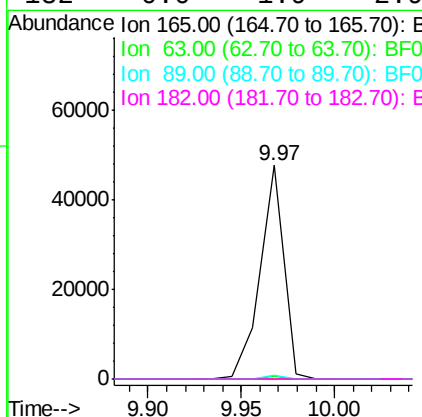
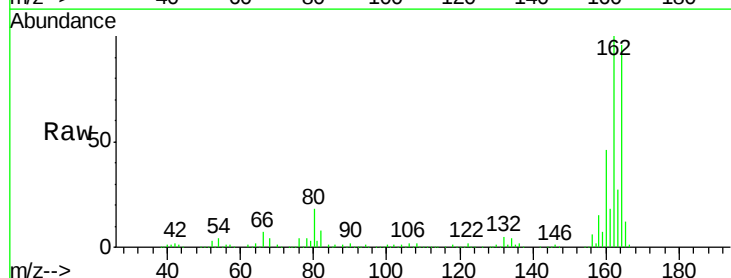
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-07-COMP(0.5-4.0)

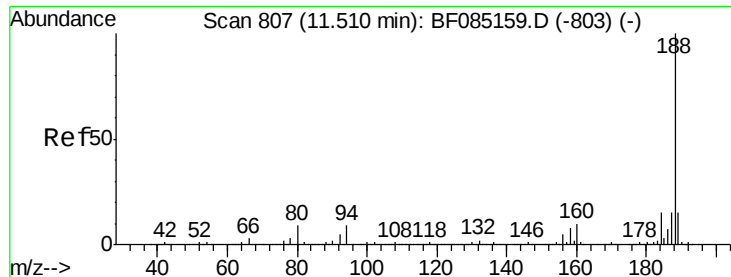
Tgt Ion:163 Resp: 415884
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 9.9 8.2 12.4



#56
2,4-Dinitrotoluene
Concen: 6.22 ng
RT: 9.97 min Scan# 672
Delta R.T. -0.24 min
Lab File: BF085449.D
Acq: 15 Mar 2016 2:04

Tgt Ion:165 Resp: 41738
Ion Ratio Lower Upper
165 100
63 1.2 35.4 53.0#
89 1.7 61.9 92.9#
182 0.0 1.9 2.9#

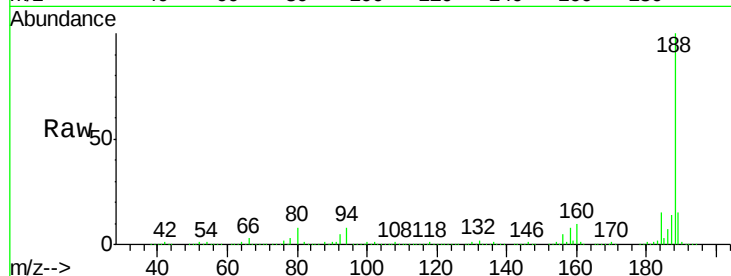




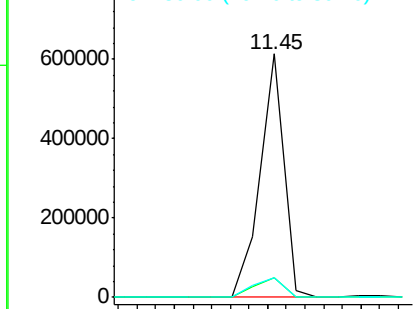
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.45 min Scan# 802
 Delta R.T. -0.06 min
 Lab File: BF085449.D
 Acq: 15 Mar 2016 2:04

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-07-COMP(0.5-4.0)

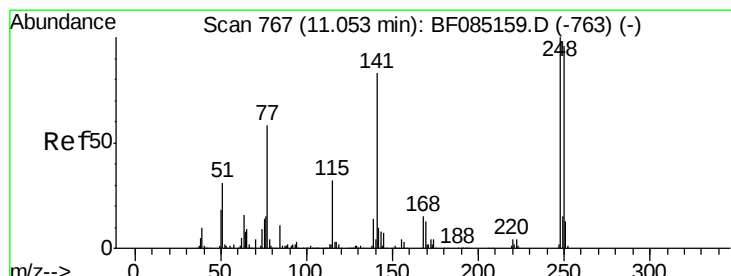
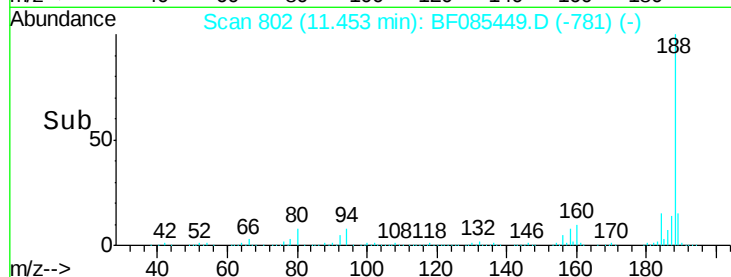
Tgt Ion:	188	Resp:	539315
Ion	Ratio	Lower	Upper
188	100		
94	8.1	7.0	10.6
80	8.3	7.4	11.0



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

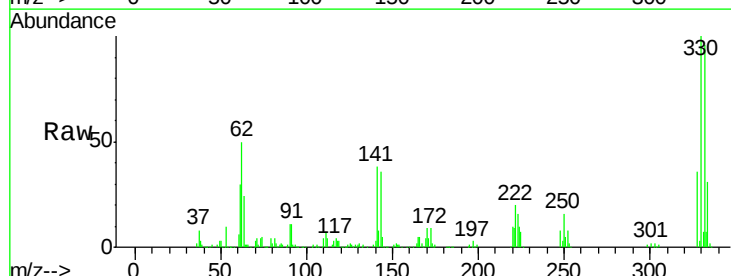


Time-->

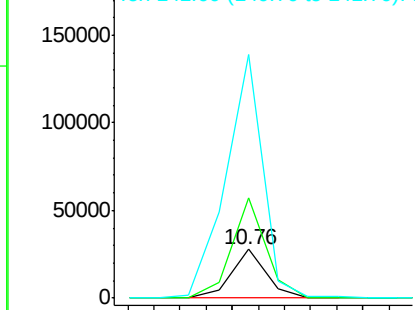


#66
 4-Bromophenyl-phenylether
 Concen: 4.97 ng
 RT: 10.76 min Scan# 741
 Delta R.T. -0.30 min
 Lab File: BF085449.D
 Acq: 15 Mar 2016 2:04

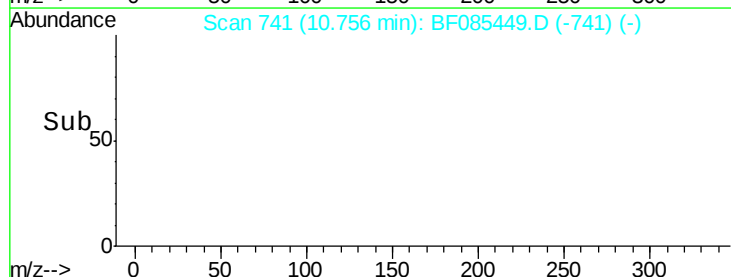
Tgt Ion:	248	Resp:	26012
Ion	Ratio	Lower	Upper
248	100		
250	205.2	77.1	115.7#
141	499.9	66.2	99.2#

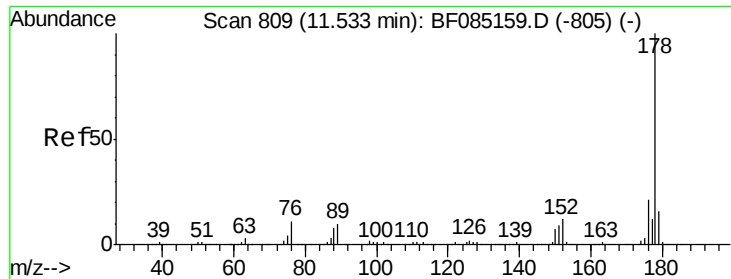


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E



Time-->

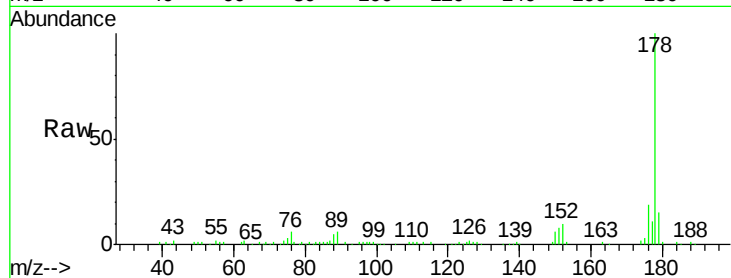




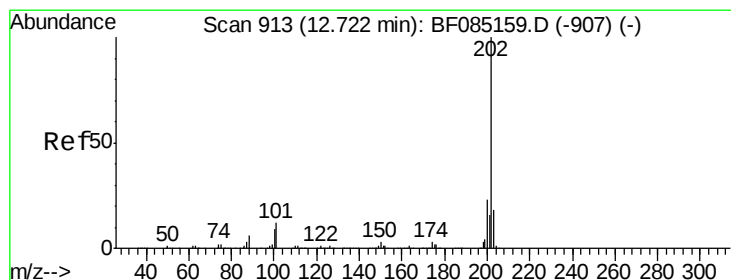
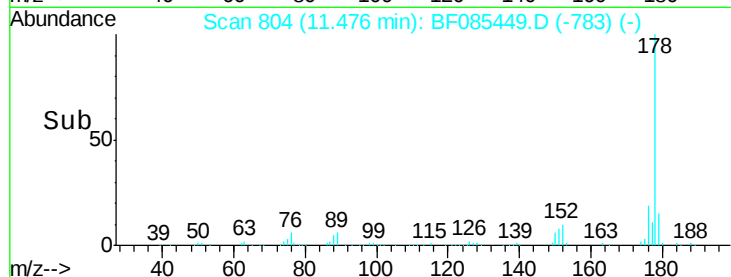
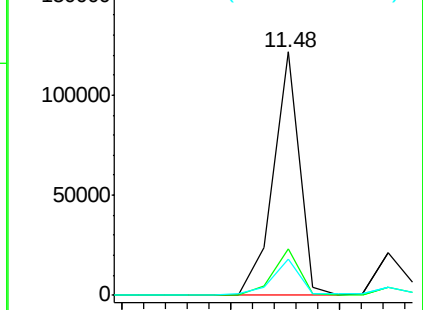
#70
Phenanthrene
Concen: 3.65 ng
RT: 11.48 min Scan# 804
Delta R.T. -0.06 min
Lab File: BF085449.D
Acq: 15 Mar 2016 2:04

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-07-COMP(0.5-4.0)

Tgt Ion:178 Resp: 103090
Ion Ratio Lower Upper
178 100
176 19.2 16.8 25.2
179 14.7 13.1 19.7

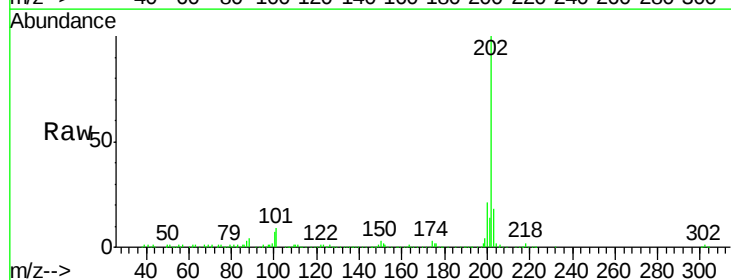


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

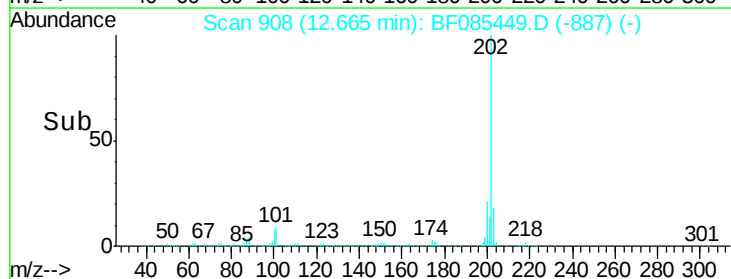
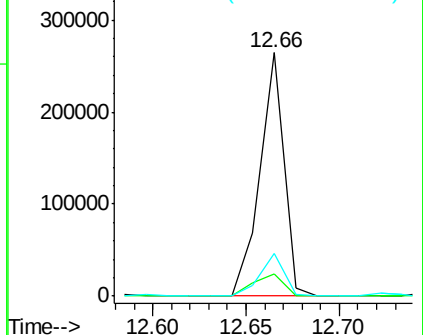


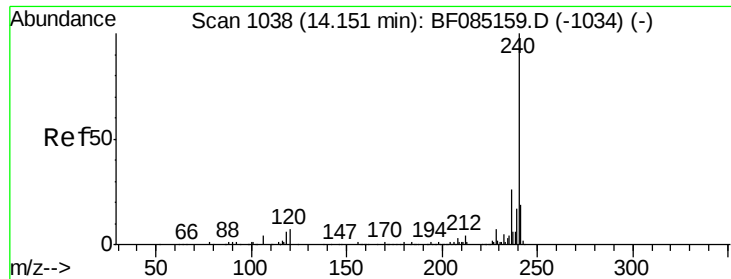
#74
Fluoranthene
Concen: 8.26 ng
RT: 12.66 min Scan# 908
Delta R.T. -0.06 min
Lab File: BF085449.D
Acq: 15 Mar 2016 2:04

Tgt Ion:202 Resp: 234372
Ion Ratio Lower Upper
202 100
101 9.2 0.0 31.8
203 17.7 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: 14.09 min Scan# 1033

Delta R.T. -0.06 min

Lab File: BF085449.D

Acq: 15 Mar 2016 2:04

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-07-COMP(0.5-4.0)

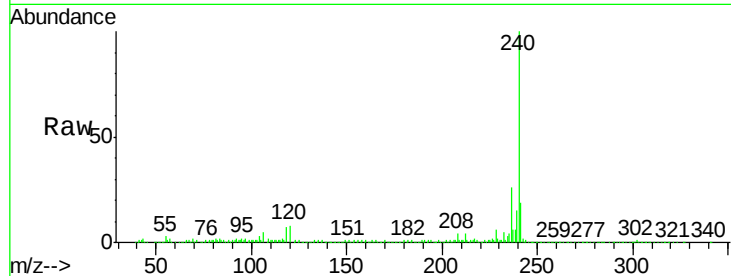
Tgt Ion:240 Resp: 331415

Ion Ratio Lower Upper

240 100

120 7.8 5.3 7.9

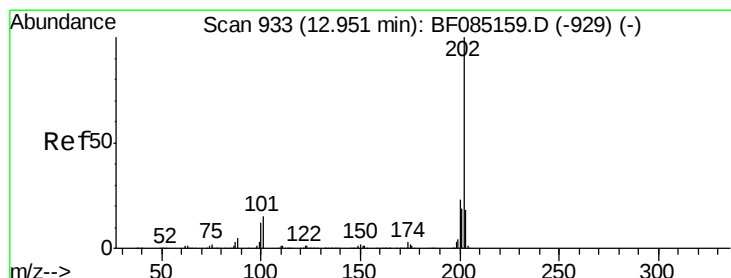
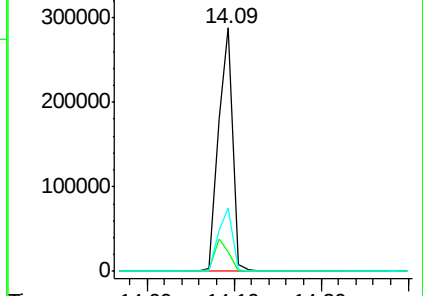
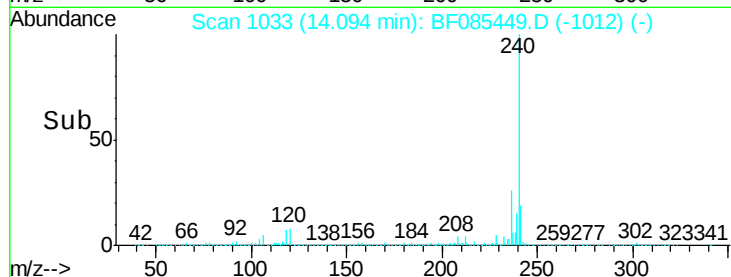
236 26.0 20.7 31.1



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: 8.89 ng

RT: 12.89 min Scan# 928

Delta R.T. -0.06 min

Lab File: BF085449.D

Acq: 15 Mar 2016 2:04

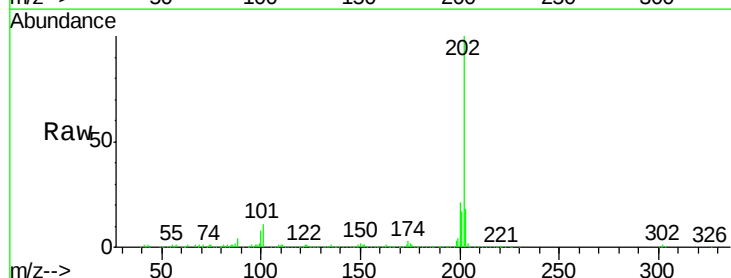
Tgt Ion:202 Resp: 221810

Ion Ratio Lower Upper

202 100

200 21.4 18.2 27.4

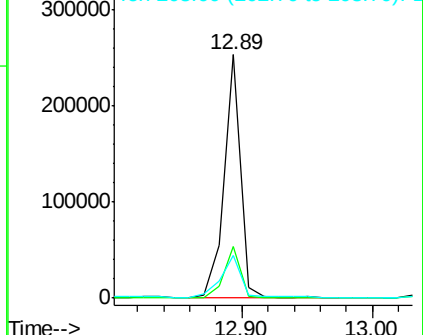
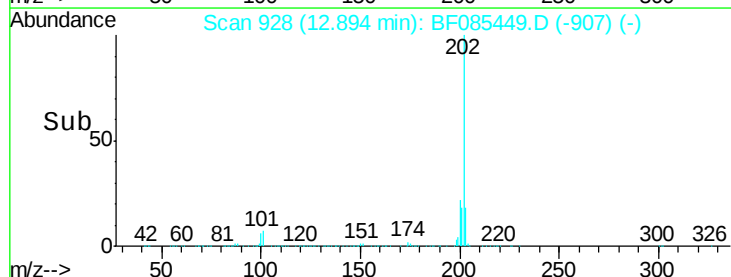
203 17.7 14.7 22.1

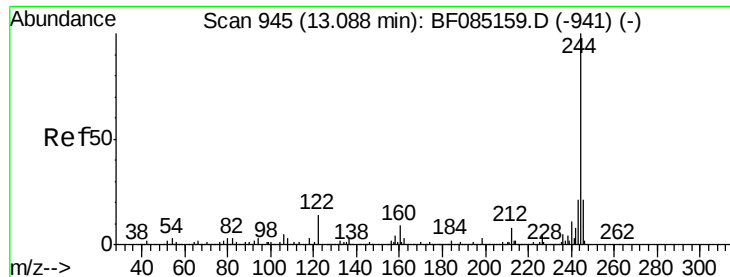


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

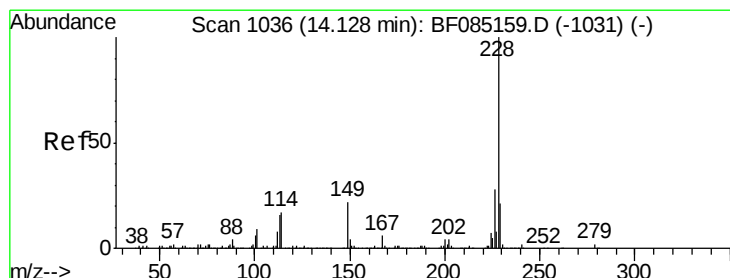
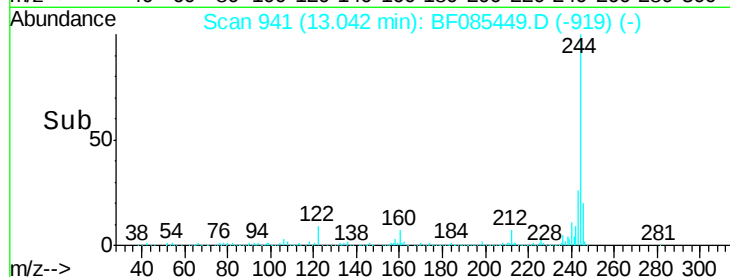
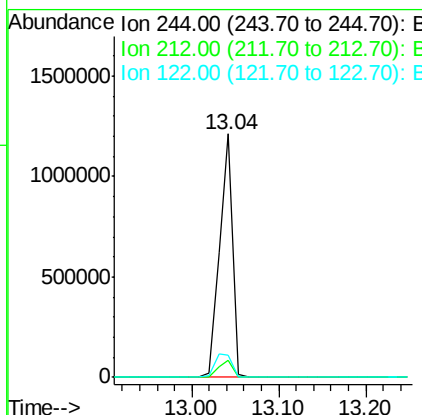
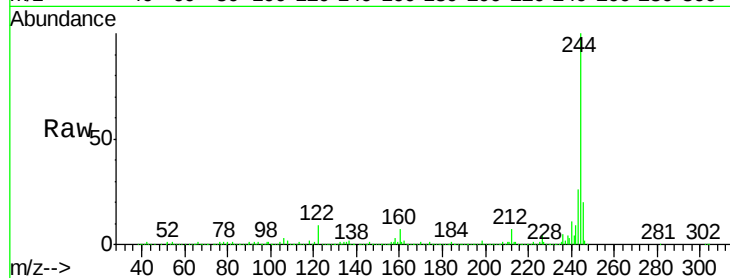




#78
 Terphenyl-d14
 Concen: 90.11 ng
 RT: 13.04 min Scan# 941
 Delta R.T. -0.05 min
 Lab File: BF085449.D
 Acq: 15 Mar 2016 2:04

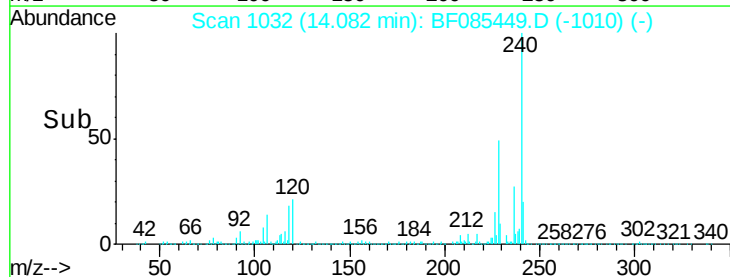
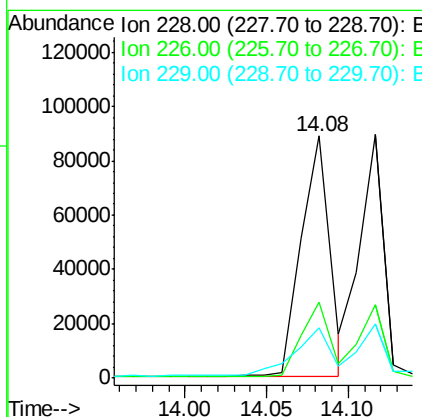
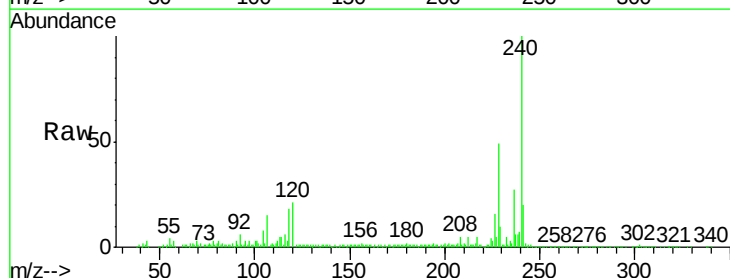
Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-07-COMP(0.5-4.0)

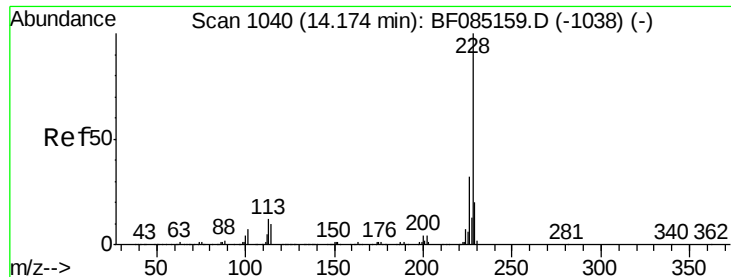
Tgt Ion:244 Resp: 1286384
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.4 9.6
 122 9.3 11.4 17.2#



#80
 Benzo(a)anthracene
 Concen: 5.45 ng
 RT: 14.08 min Scan# 1032
 Delta R.T. -0.05 min
 Lab File: BF085449.D
 Acq: 15 Mar 2016 2:04

Tgt Ion:228 Resp: 108221
 Ion Ratio Lower Upper
 228 100
 226 31.5 22.8 34.2
 229 20.7 16.6 24.8





#82

Chrysene

Concen: 5.94 ng

RT: 14.08 min Scan# 1032

Delta R.T. -0.09 min

Lab File: BF085449.D

Acq: 15 Mar 2016 2:04

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-07-COMP(0.5-4.0)

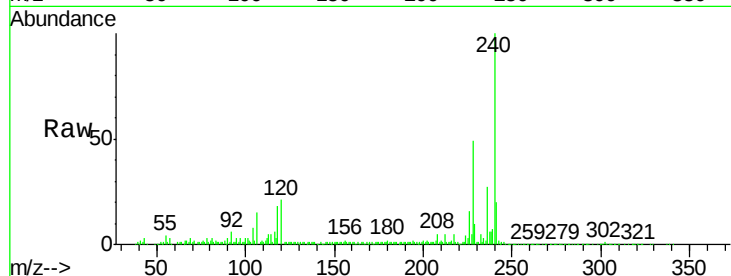
Tgt Ion:228 Resp: 108948

Ion Ratio Lower Upper

228 100

226 31.5 25.2 37.8

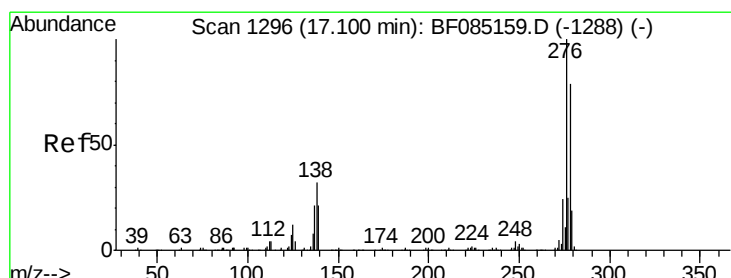
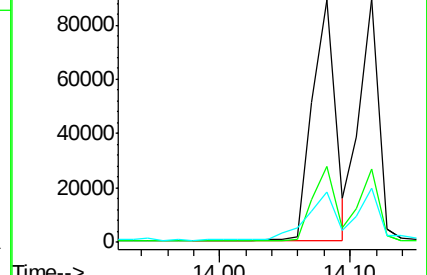
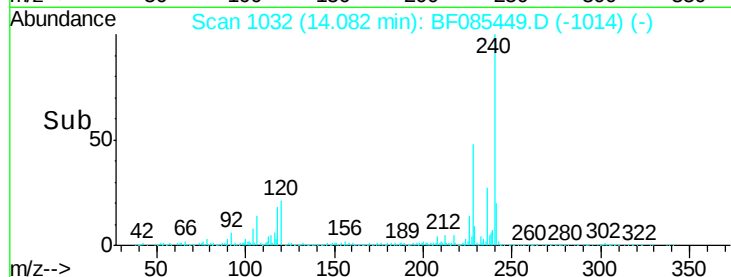
229 20.7 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.92 ng

RT: 16.99 min Scan# 1286

Delta R.T. -0.11 min

Lab File: BF085449.D

Acq: 15 Mar 2016 2:04

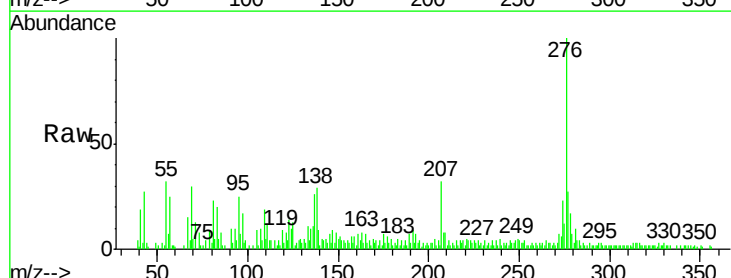
Tgt Ion:276 Resp: 41835

Ion Ratio Lower Upper

276 100

138 25.5 26.4 39.6#

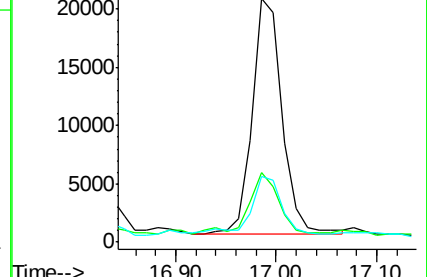
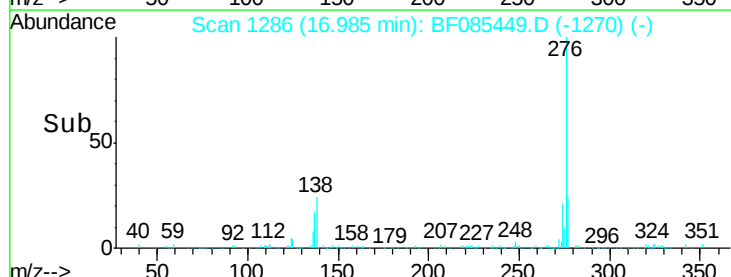
277 26.2 20.2 30.2

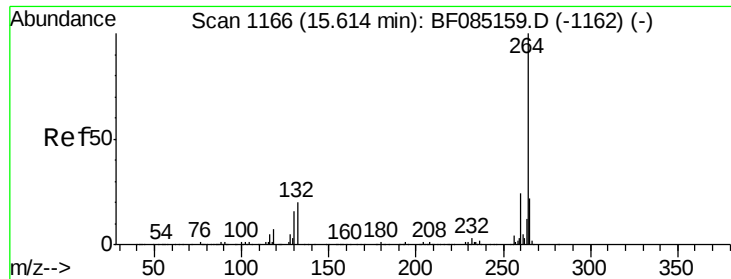


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

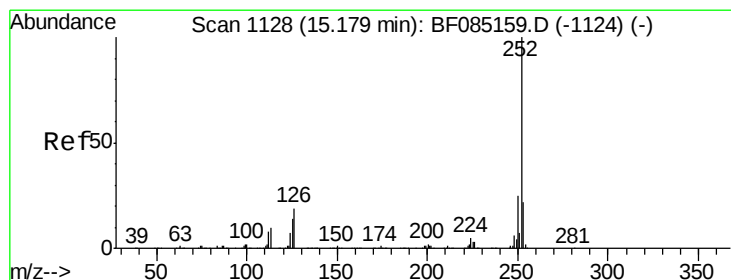
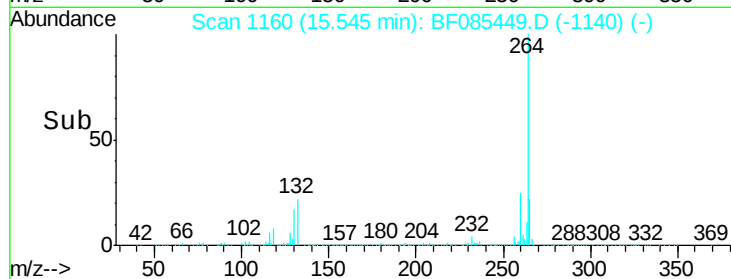
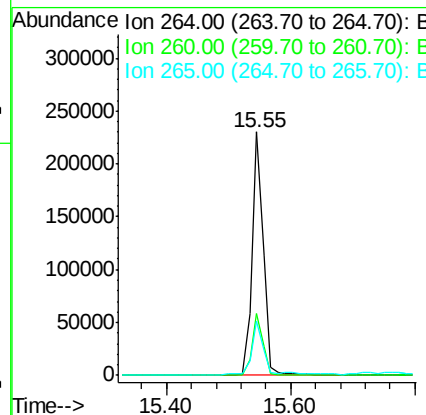
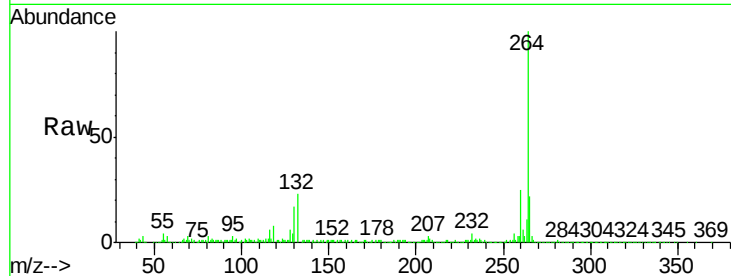




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.55 min Scan# 1160
Delta R.T. -0.07 min
Lab File: BF085449.D
Acq: 15 Mar 2016 2:04

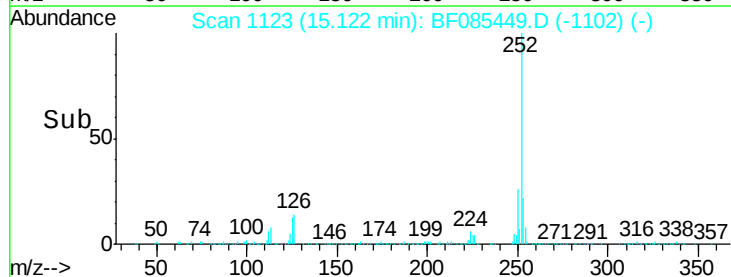
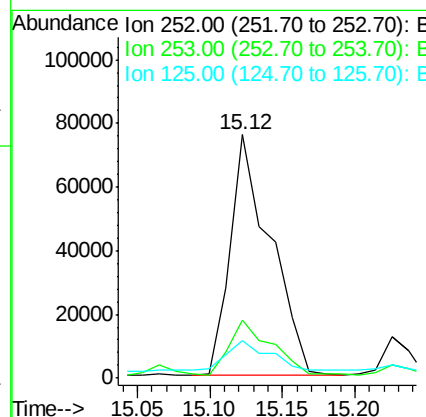
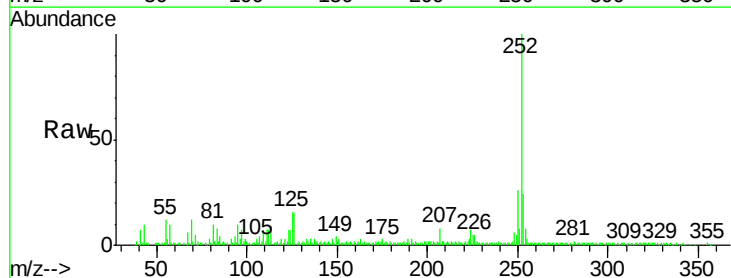
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-07-COMP(0.5-4.0)

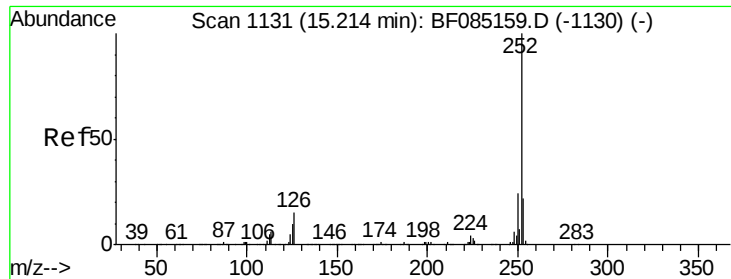
Tgt Ion: 264 Resp: 287326
Ion Ratio Lower Upper
264 100
260 25.5 19.2 28.8
265 22.3 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 7.62 ng
RT: 15.12 min Scan# 1123
Delta R.T. -0.06 min
Lab File: BF085449.D
Acq: 15 Mar 2016 2:04

Tgt Ion: 252 Resp: 146001
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 15.6 11.3 16.9

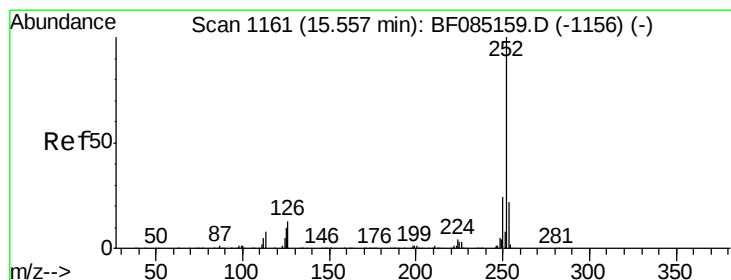
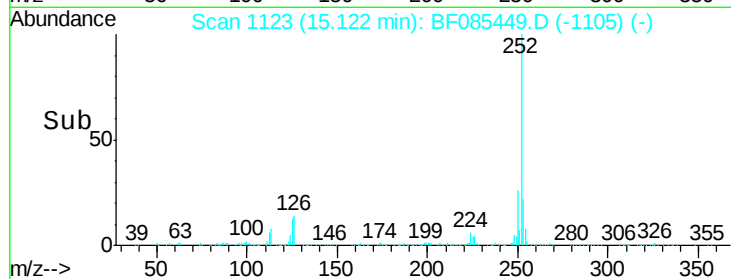
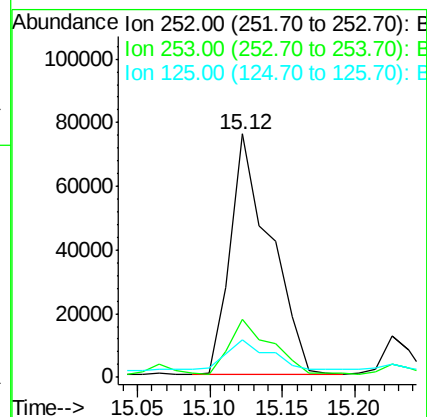
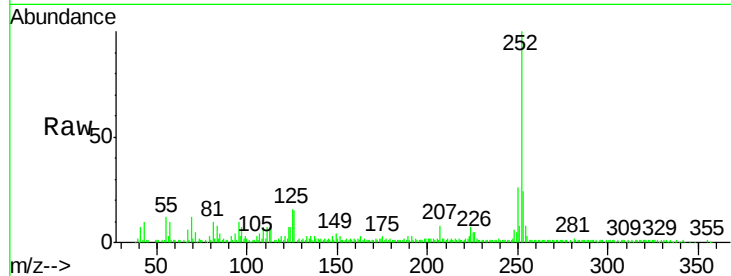




#88
Benzo(k)fluoranthene
Concen: 9.45 ng
RT: 15.12 min Scan# 1123
Delta R.T. -0.09 min
Lab File: BF085449.D
Acq: 15 Mar 2016 2:04

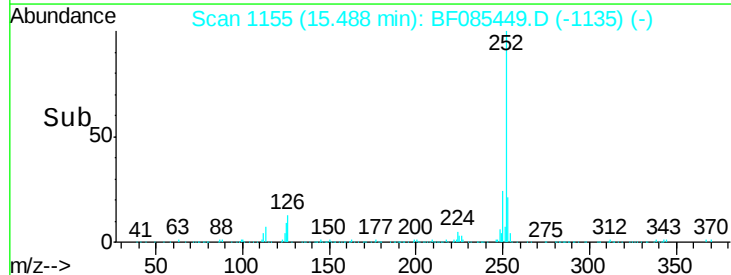
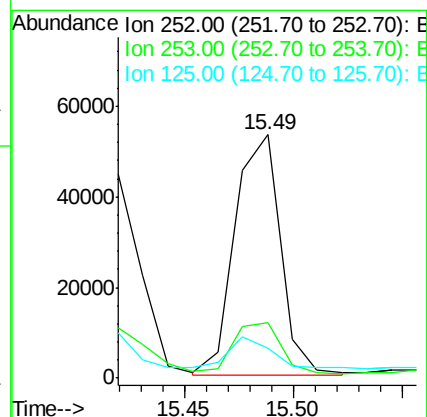
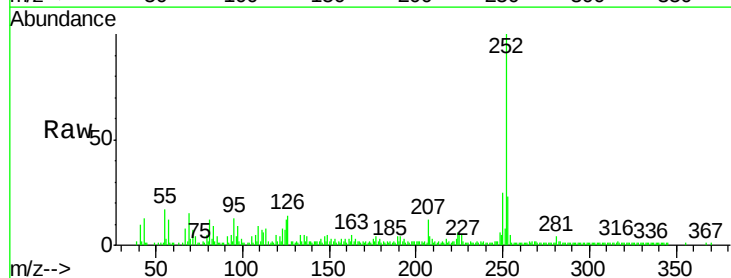
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-07-COMP(0.5-4.0)

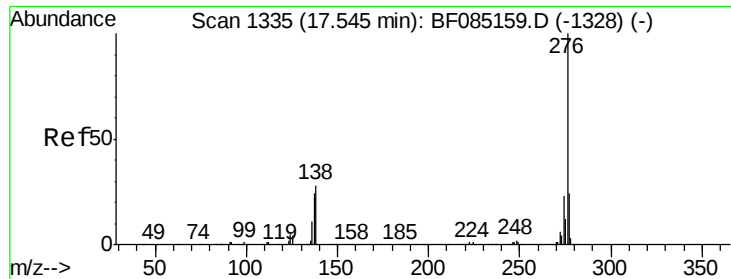
Tgt Ion:252 Resp: 146001
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 15.6 10.4 15.6#



#89
Benzo(a)pyrene
Concen: 4.84 ng
RT: 15.49 min Scan# 1155
Delta R.T. -0.07 min
Lab File: BF085449.D
Acq: 15 Mar 2016 2:04

Tgt Ion:252 Resp: 76826
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 12.5 8.2 12.4#





#91

Benzo(g,h,i)perylene

Concen: 2.74 ng

RT: 17.43 min Scan# 1325

Delta R.T. -0.11 min

Lab File: BF085449.D

Acq: 15 Mar 2016 2:04

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-07-COMP(0.5-4.0)

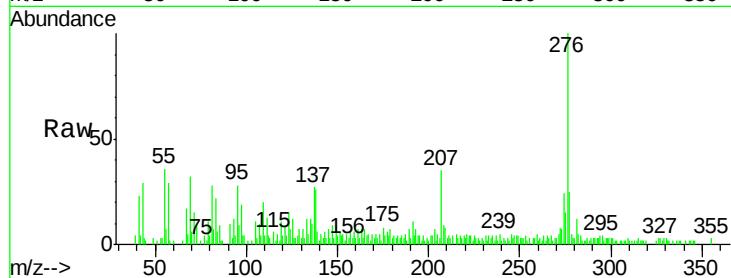
Tgt Ion: 276 Resp: 37332

Ion Ratio Lower Upper

276 100

277 25.4 19.0 28.4

138 25.6 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

