

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
 Data File : BF085590.D
 Acq On : 19 Mar 2016 23:14
 Operator : UM/SJ
 Sample : H1776-16RE
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-03RE

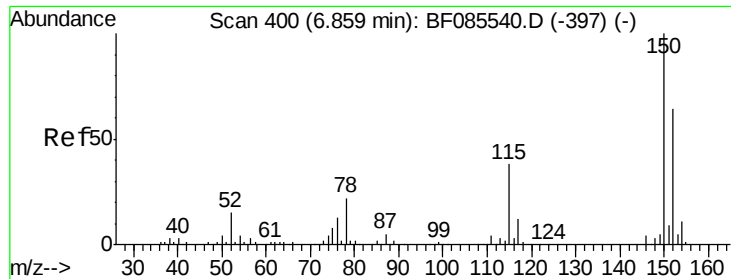
Quant Time: Mar 21 00:05:18 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 23:31:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	126126	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	509601	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	200044	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	323247	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	234327	20.00	ng	0.00
86) Perylene-d12	15.44	264	251436	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1077515	143.50	ng	0.01
7) Phenol-d6	6.49	99	1302715	135.27	ng	0.00
23) Nitrobenzene-d5	7.42	82	833596	94.95	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	293664	149.86	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1286292	123.41	ng	-0.01
78) Terphenyl-d14	12.96	244	906532	93.09	ng	0.00

Target Compounds						Qvalue
9) Benzaldehyde	6.63	77	26384	3.47	ng	89
15) Benzyl Alcohol	7.01	79	14124	2.14	ng	# 48
19) n-Nitroso-di-n-propylamine	7.42	70	109126	18.97	ng	# 78
25) Isophorone	7.42	82	667525	37.98	ng	# 68
49) Dimethylphthalate	9.61	163	300481	19.91	ng	98
56) 2,4-Dinitrotoluene	9.89	165	25410	6.09	ng	# 37
66) 4-Bromophenyl-phenylether	10.68	248	18169	5.63	ng	# 1
70) Phenanthrene	11.40	178	45054	2.64	ng	97
74) Fluoranthene	12.58	202	79947	4.48	ng	91
77) Pyrene	12.81	202	79554	4.73	ng	97
79) Butylbenzylphthalate	13.43	149	19160	2.39	ng	# 81
80) Benzo(a)anthracene	14.00	228	43998	3.23	ng	# 92
82) Chrysene	14.00	228	43998	3.36	ng	95
83) Bis(2-ethylhexyl)phthalate	13.99	149	186567	18.72	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.83	276	22661	2.07	ng	# 90
87) Benzo(b)fluoranthene	15.03	252	72543	4.42	ng	97
88) Benzo(k)fluoranthene	15.03	252	72543	5.37	ng	# 95
89) Benzo(a)pyrene	15.37	252	38715	2.78	ng	# 96
91) Benzo(g,h,i)perylene	17.25	276	23394	2.08	ng	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 400

Delta R.T. 0.00 min

Lab File: BF085590.D

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Instrument :

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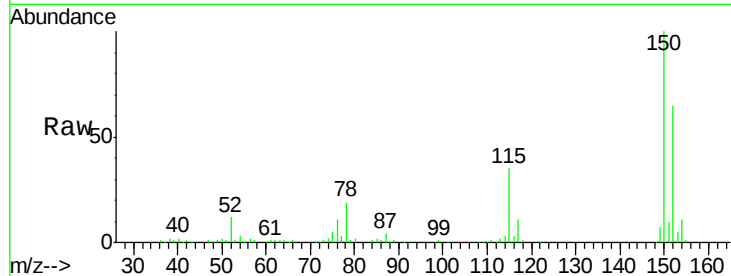
Tgt Ion:152 Resp: 126126

Ion Ratio Lower Upper

152 100

150 153.4 124.2 186.2

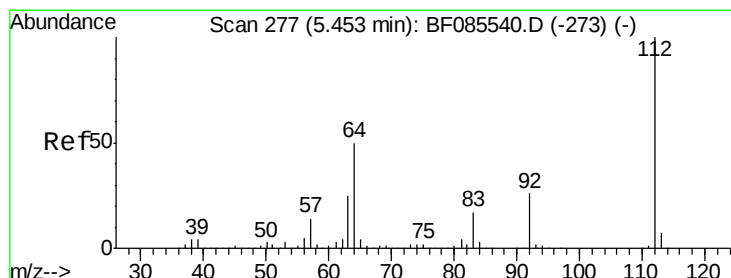
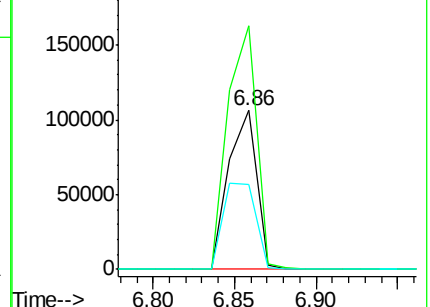
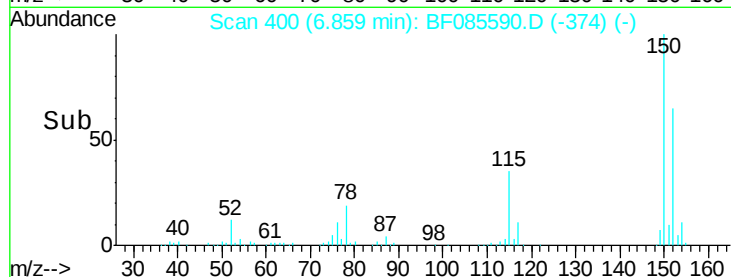
115 53.4 47.0 70.6



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: 143.50 ng

RT: 5.46 min Scan# 278

Delta R.T. 0.01 min

Lab File: BF085590.D

Acq: 19 Mar 2016 23:14

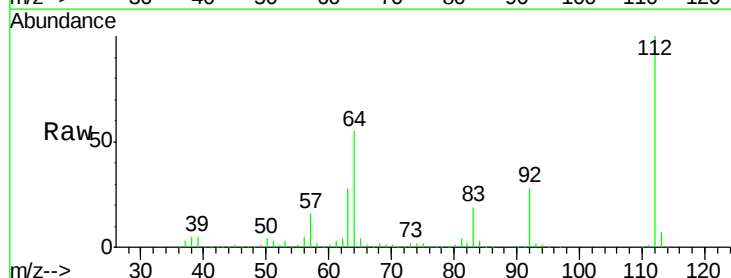
Tgt Ion:112 Resp: 1077515

Ion Ratio Lower Upper

112 100

64 54.7 39.9 59.9

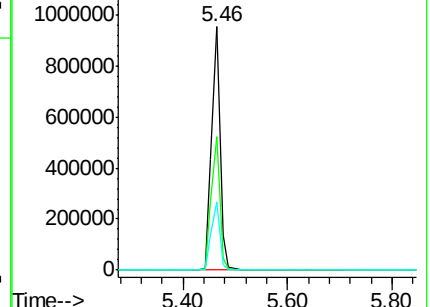
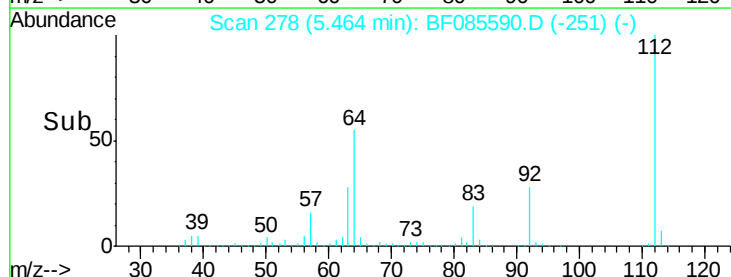
63 28.0 20.2 30.2



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: 135.27 ng

RT: 6.49 min Scan# 368

Delta R.T. 0.00 min

Lab File: BF085590.D

Acq: 19 Mar 2016 23:14

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-03RE

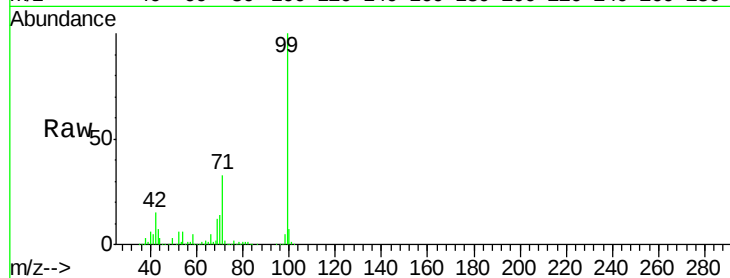
Tgt Ion: 99 Resp: 1302715

Ion Ratio Lower Upper

99 100

42 15.1 11.1 16.7

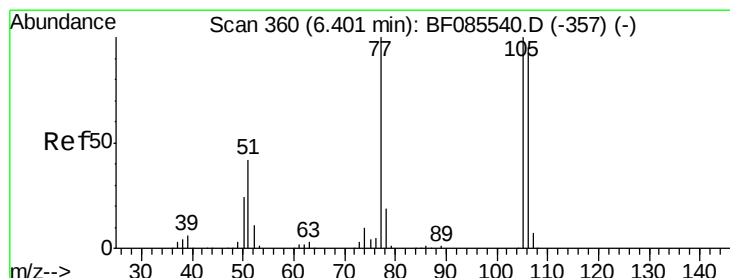
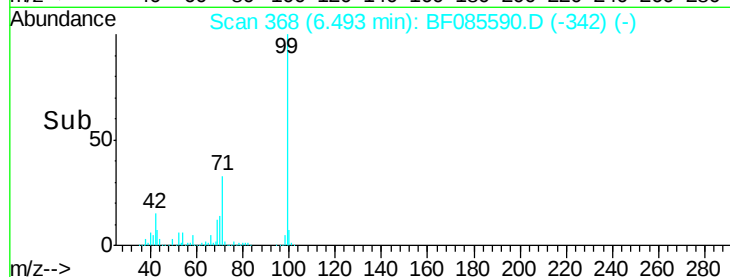
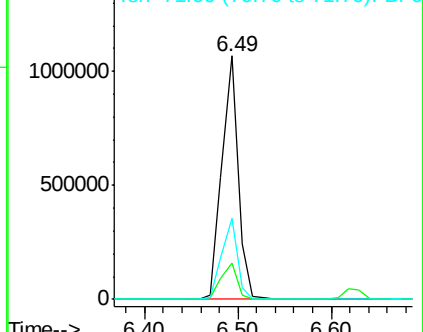
71 33.3 24.9 37.3



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: 3.47 ng

RT: 6.63 min Scan# 380

Delta R.T. 0.23 min

Lab File: BF085590.D

Acq: 19 Mar 2016 23:14

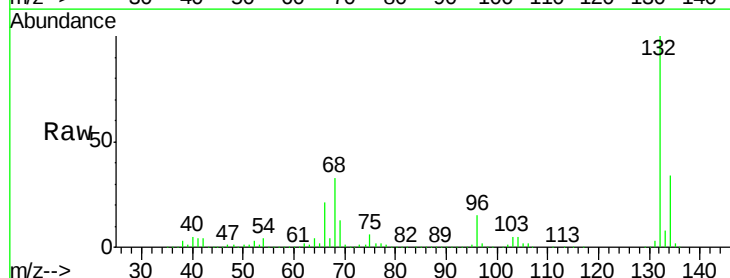
Tgt Ion: 77 Resp: 26384

Ion Ratio Lower Upper

77 100

105 88.6 80.1 120.1

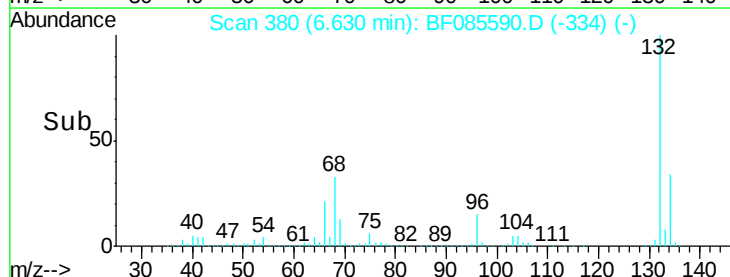
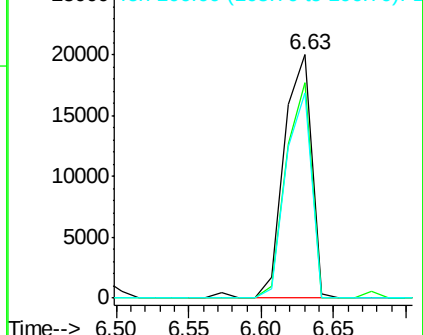
106 84.4 75.0 115.0

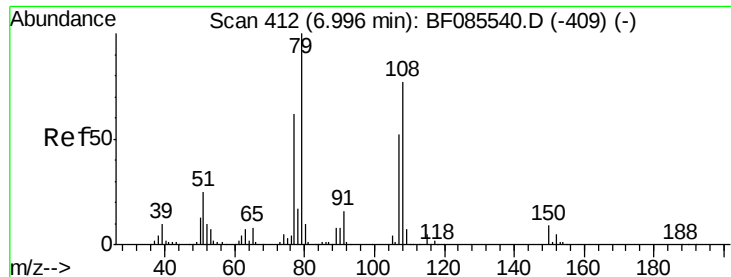


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#15

Benzyl Alcohol

Concen: 2.14 ng

RT: 7.01 min Scan# 413

Delta R.T. 0.01 min

Lab File: BF085590.D

Acq: 19 Mar 2016 23:14

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-03RE

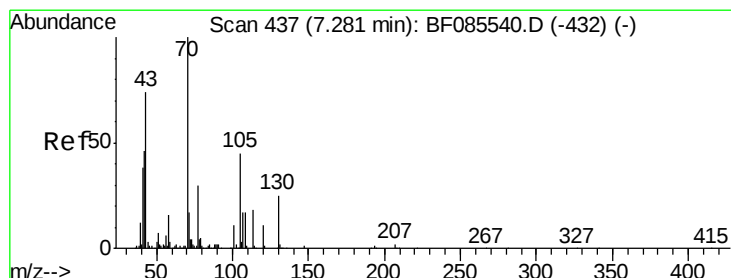
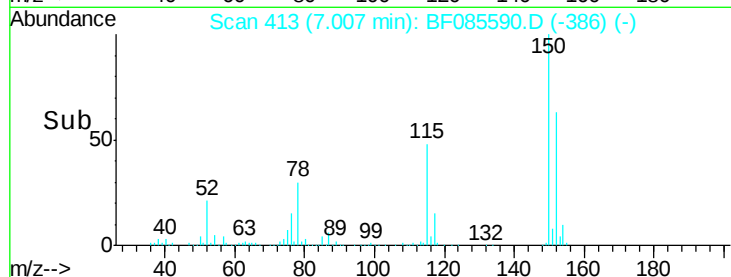
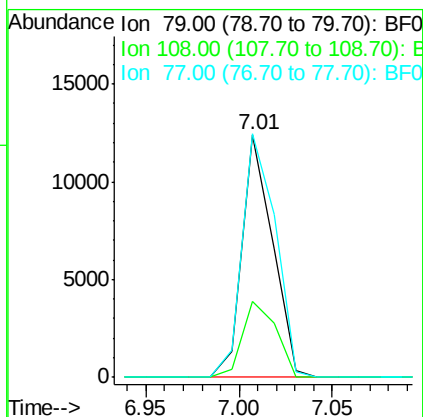
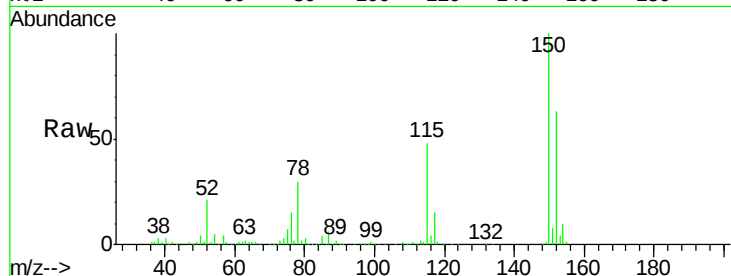
Tgt Ion: 79 Resp: 14124

Ion Ratio Lower Upper

79 100

108 31.5 61.8 92.6#

77 100.5 49.6 74.4#



#19

n-Nitroso-di-n-propylamine

Concen: 18.97 ng

RT: 7.42 min Scan# 449

Delta R.T. 0.14 min

Lab File: BF085590.D

Acq: 19 Mar 2016 23:14

Tgt Ion: 70 Resp: 109126

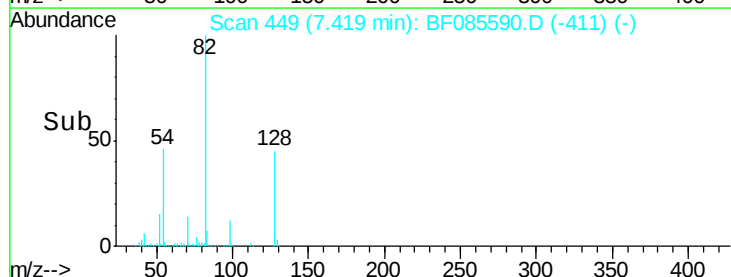
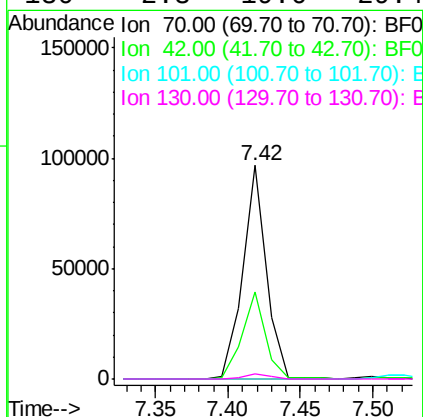
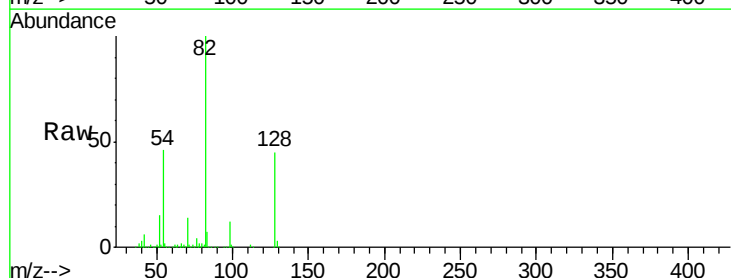
Ion Ratio Lower Upper

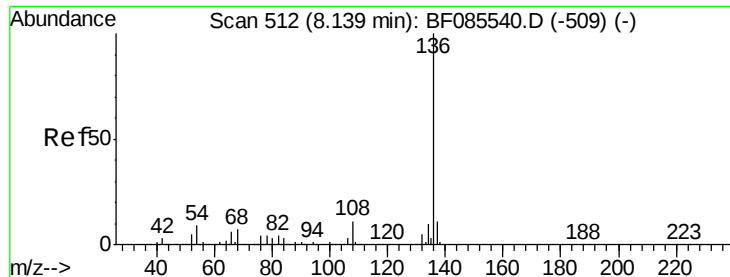
70 100

42 41.0 37.1 55.7

101 0.0 8.6 12.8#

130 2.3 19.6 29.4#

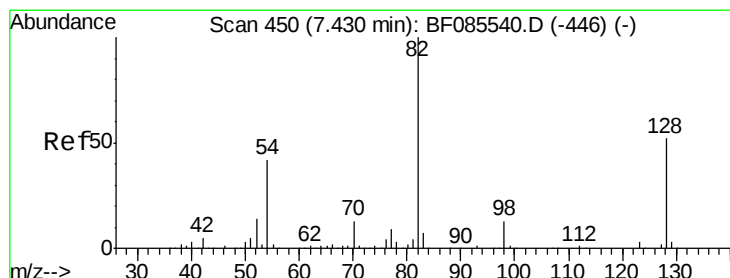
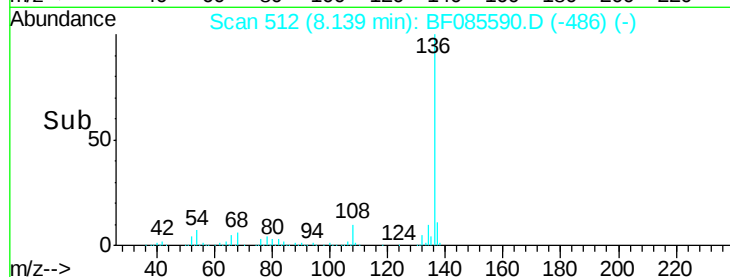
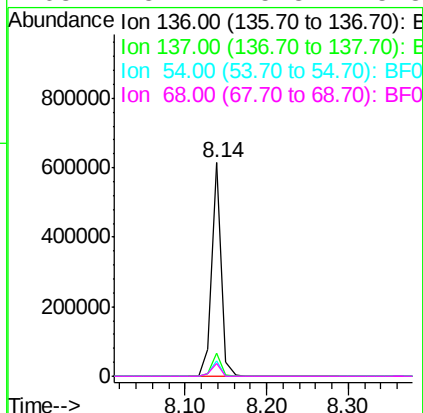
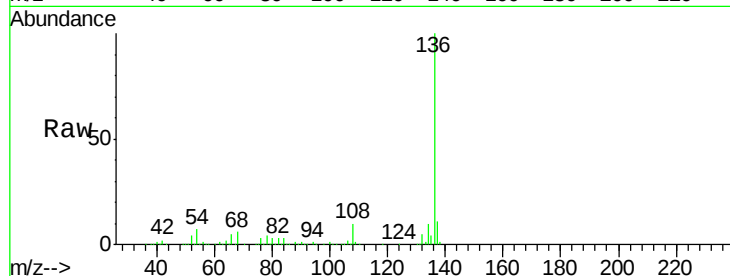




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 512
Delta R.T. 0.00 min
Lab File: BF085590.D
Acq: 19 Mar 2016 23:14

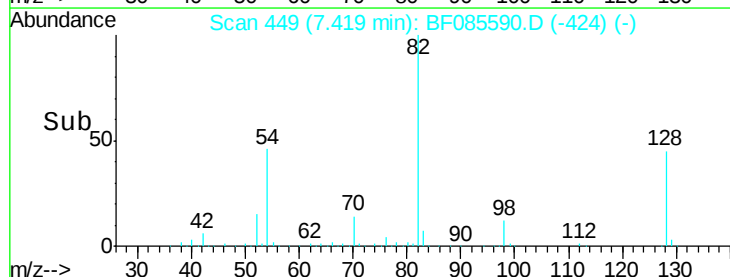
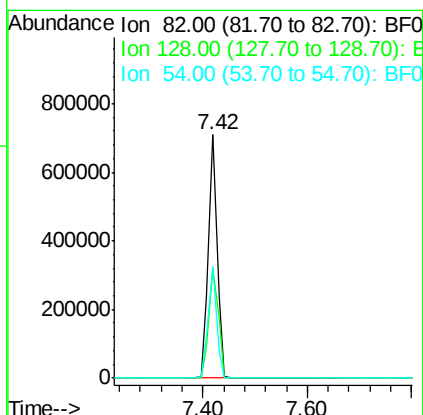
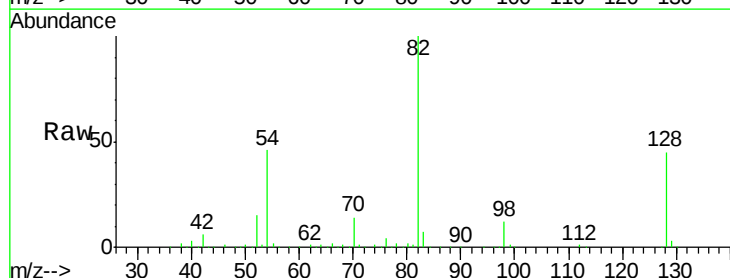
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-03RE

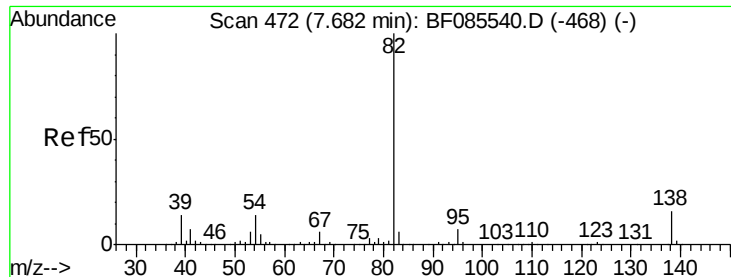
Tgt Ion:	136	Resp:	509601
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	7.0	7.4	11.0#
68	5.7	5.8	8.8#



#23
Nitrobenzene-d5
Concen: 94.95 ng
RT: 7.42 min Scan# 449
Delta R.T. -0.01 min
Lab File: BF085590.D
Acq: 19 Mar 2016 23:14

Tgt Ion:	82	Resp:	833596
Ion	Ratio	Lower	Upper
82	100		
128	44.8	41.8	62.8
54	46.0	33.4	50.0





#25

Isophorone

Concen: 37.98 ng

RT: 7.42 min Scan# 449

Delta R.T. -0.26 min

Lab File: BF085590.D

Acq: 19 Mar 2016 23:14

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-03RE

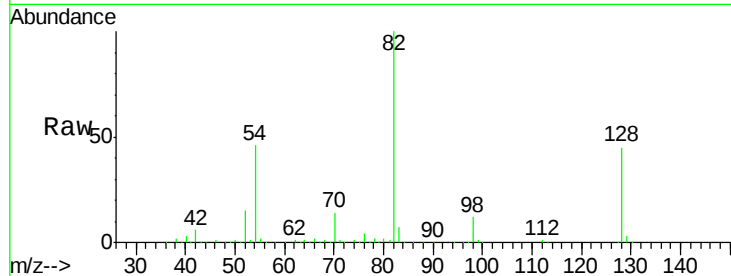
Tgt Ion: 82 Resp: 667525

Ion Ratio Lower Upper

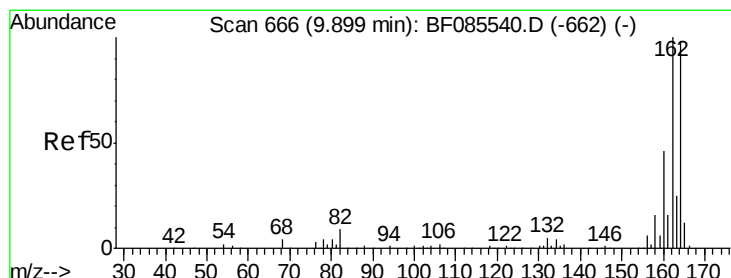
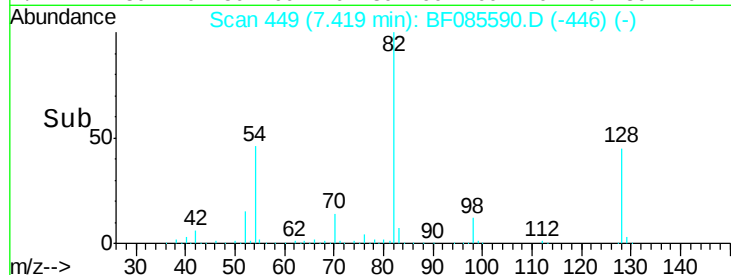
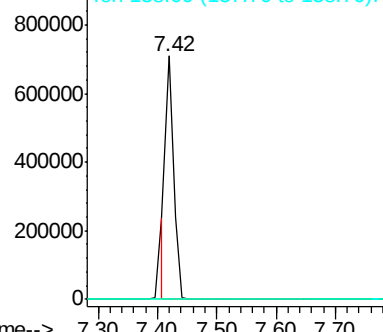
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 665

Delta R.T. -0.01 min

Lab File: BF085590.D

Acq: 19 Mar 2016 23:14

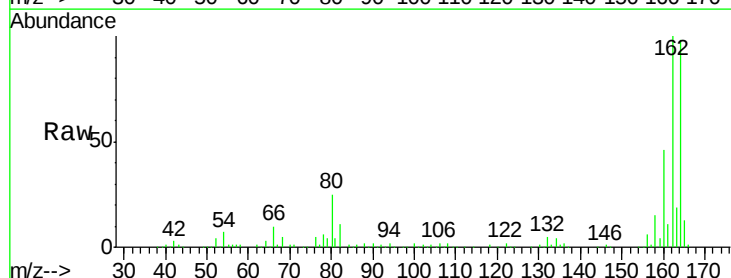
Tgt Ion: 164 Resp: 200044

Ion Ratio Lower Upper

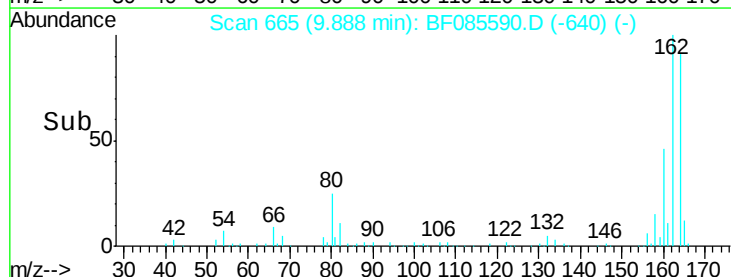
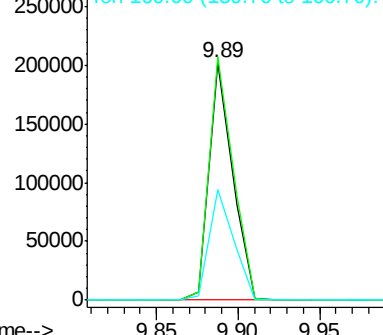
164 100

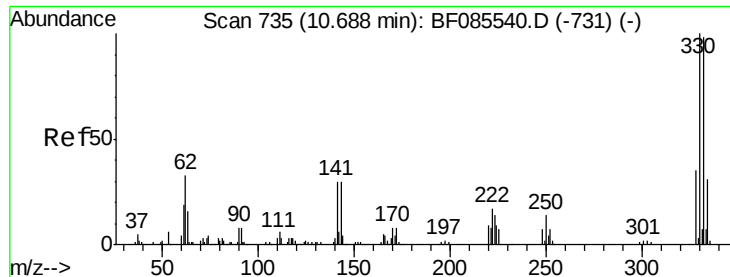
162 102.5 82.1 123.1

160 46.6 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

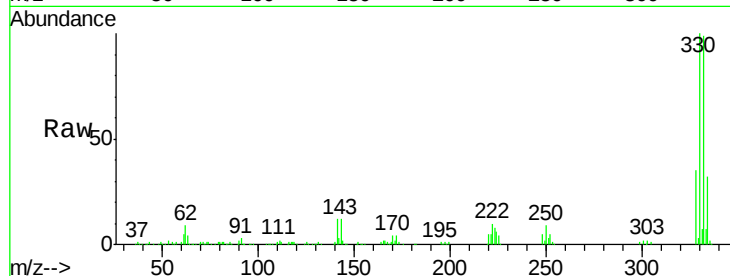




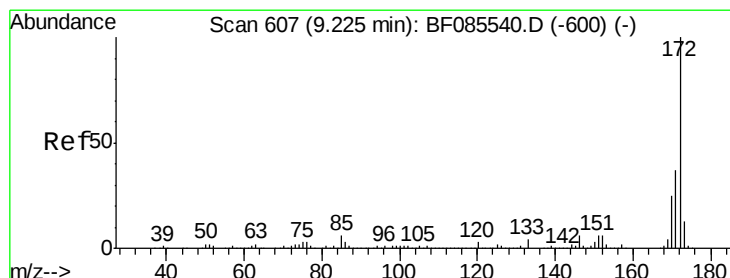
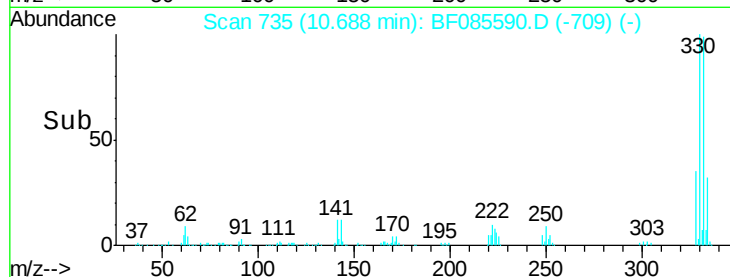
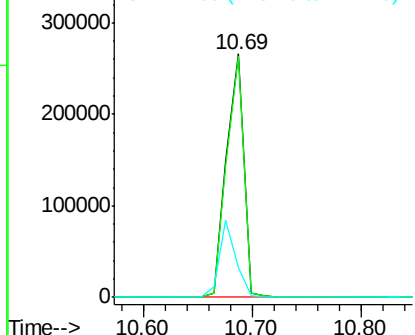
#41
 2,4,6-Tribromophenol
 Concen: 149.86 ng
 RT: 10.69 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: BF085590.D
 Acq: 19 Mar 2016 23:14

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-03RE

Tgt Ion:330 Resp: 293664
 Ion Ratio Lower Upper
 330 100
 332 97.6 78.2 117.2
 141 30.8 31.5 47.3#

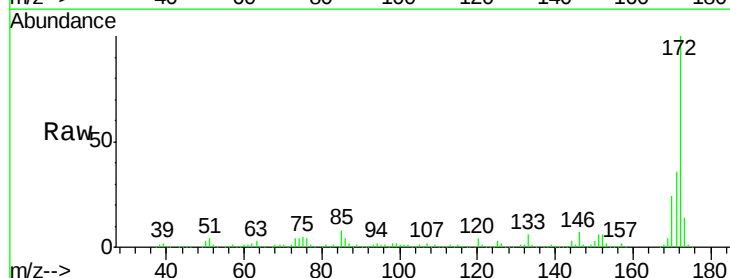


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

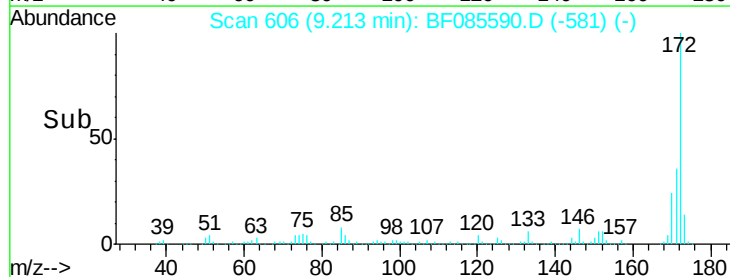
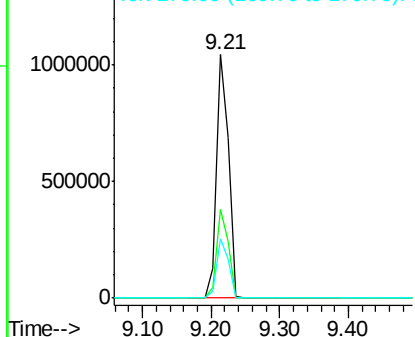


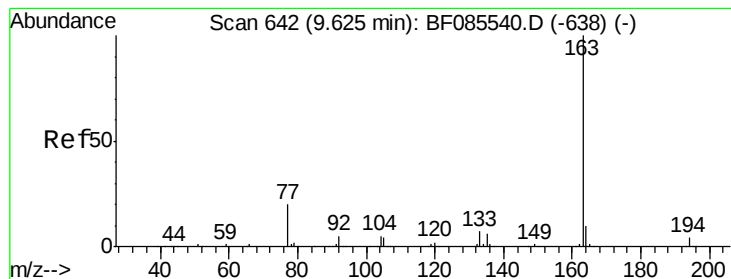
#44
 2-Fluorobiphenyl
 Concen: 123.41 ng
 RT: 9.21 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: BF085590.D
 Acq: 19 Mar 2016 23:14

Tgt Ion:172 Resp: 1286292
 Ion Ratio Lower Upper
 172 100
 171 36.4 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: 19.91 ng

RT: 9.61 min Scan# 641

Delta R.T. -0.01 min

Lab File: BF085590.D

Acq: 19 Mar 2016 23:14

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-03RE

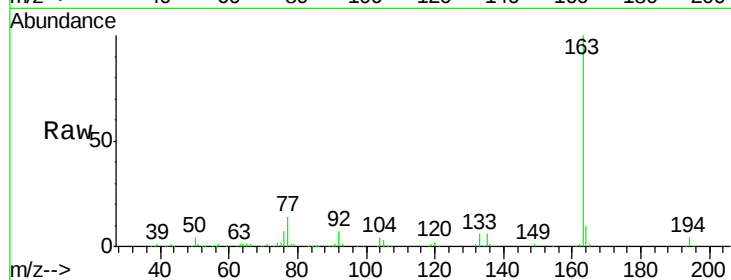
Tgt Ion:163 Resp: 300481

Ion Ratio Lower Upper

163 100

194 3.8 2.9 4.3

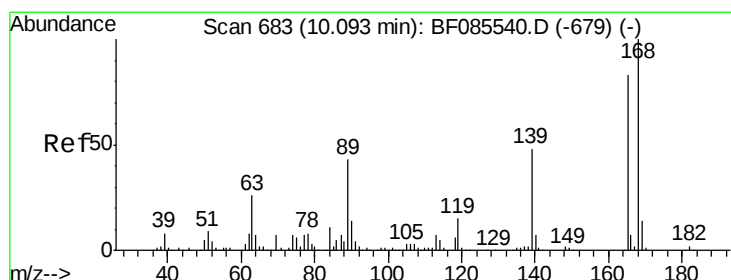
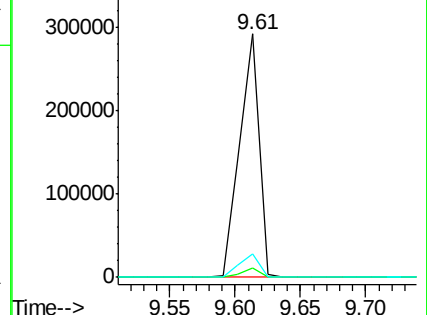
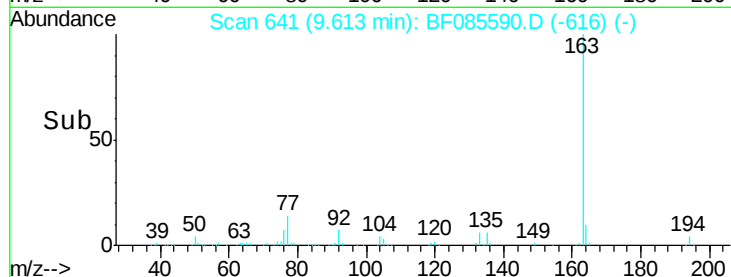
164 9.6 8.3 12.5



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: 6.09 ng

RT: 9.89 min Scan# 665

Delta R.T. -0.21 min

Lab File: BF085590.D

Acq: 19 Mar 2016 23:14

Tgt Ion:165 Resp: 25410

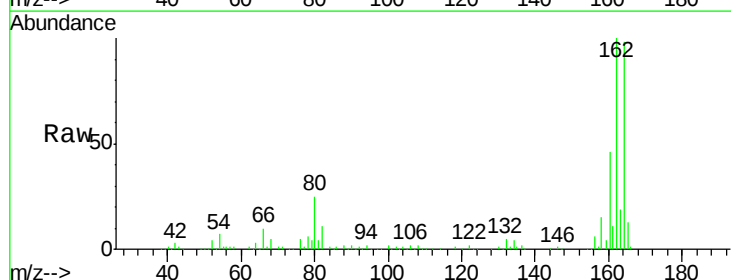
Ion Ratio Lower Upper

165 100

63 1.7 24.9 37.3#

89 1.4 41.0 61.6#

182 0.0 2.1 3.1#

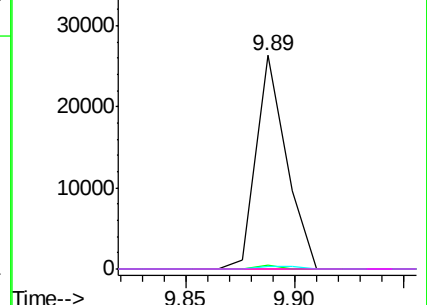
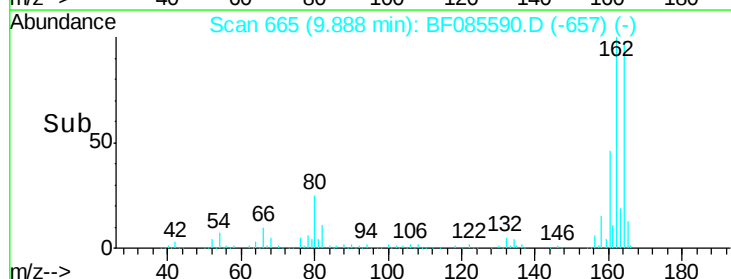


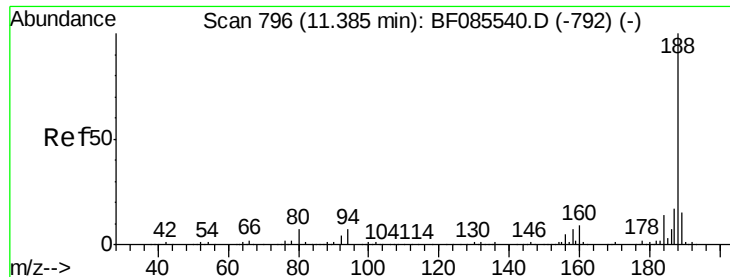
Abundance Ion 165.00 (164.70 to 165.70): E

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

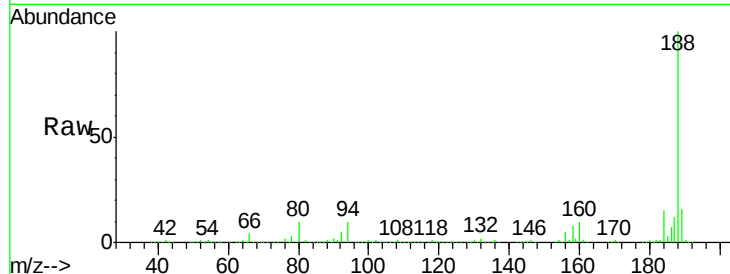




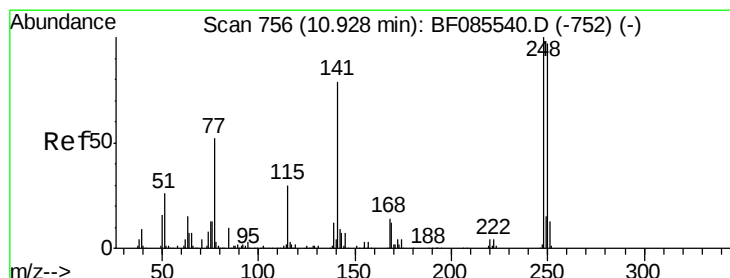
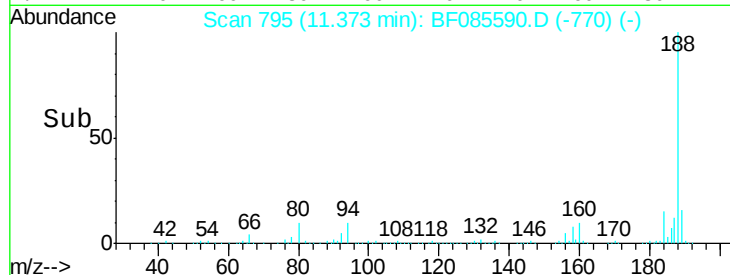
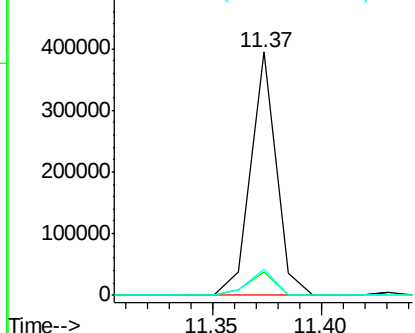
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF085590.D
Acq: 19 Mar 2016 23:14

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-03RE

Tgt Ion:188 Resp: 323247
Ion Ratio Lower Upper
188 100
94 9.8 5.4 8.0#
80 10.4 5.5 8.3#

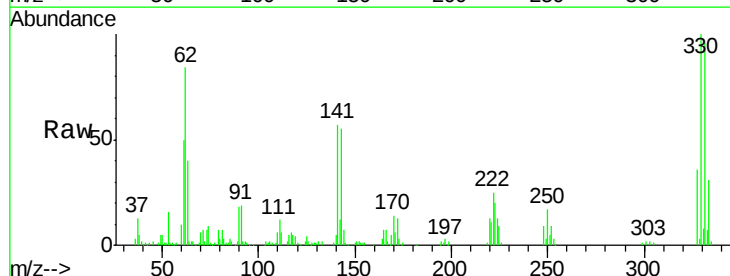


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

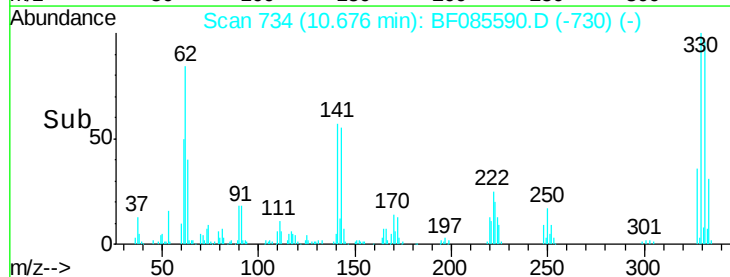
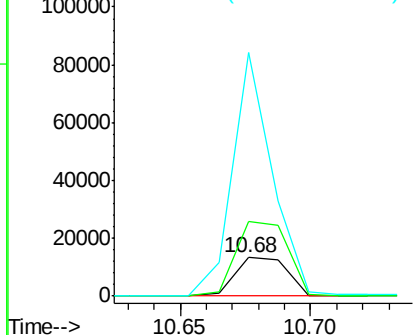


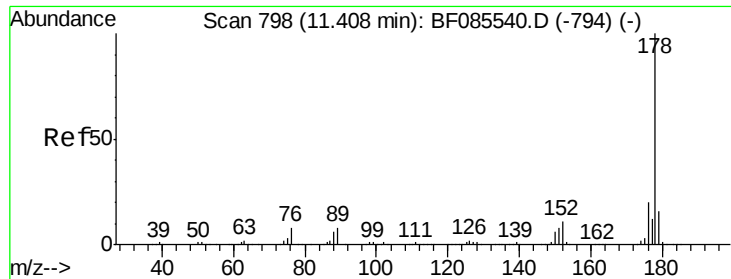
#66
4-Bromophenyl-phenylether
Concen: 5.63 ng
RT: 10.68 min Scan# 734
Delta R.T. -0.25 min
Lab File: BF085590.D
Acq: 19 Mar 2016 23:14

Tgt Ion:248 Resp: 18169
Ion Ratio Lower Upper
248 100
250 194.4 77.4 116.0#
141 632.4 63.6 95.4#



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

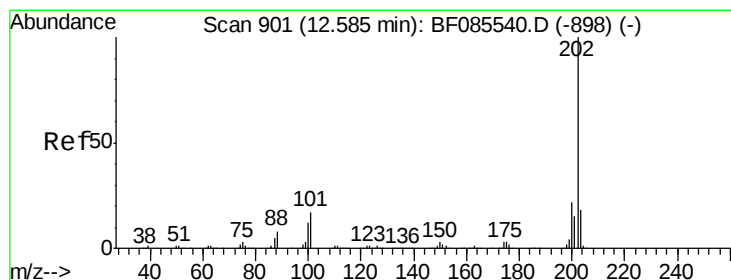
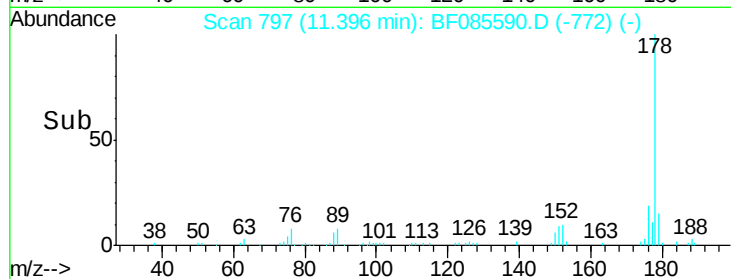
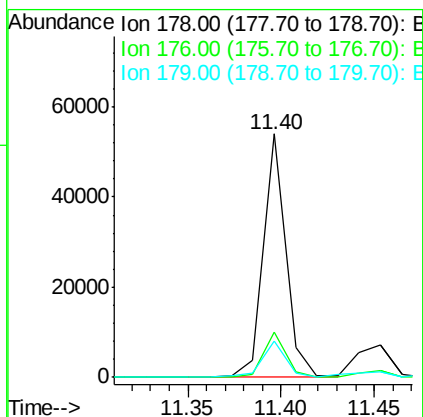
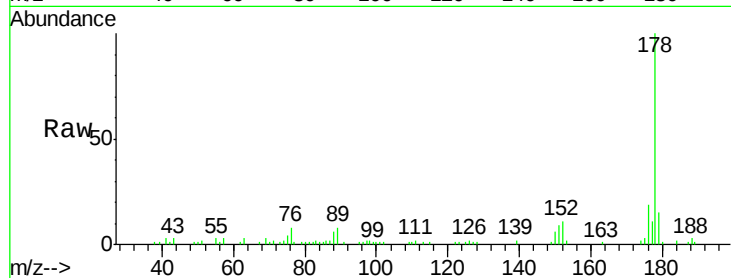




#70
Phenanthrene
Concen: 2.64 ng
RT: 11.40 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF085590.D
Acq: 19 Mar 2016 23:14

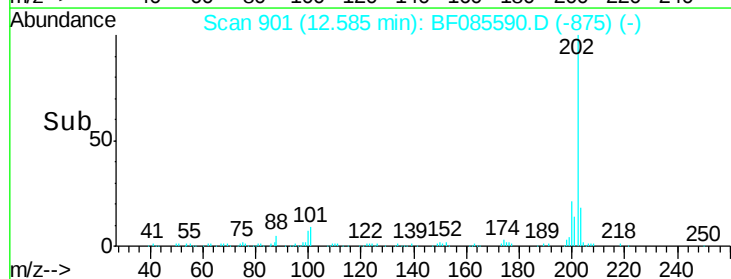
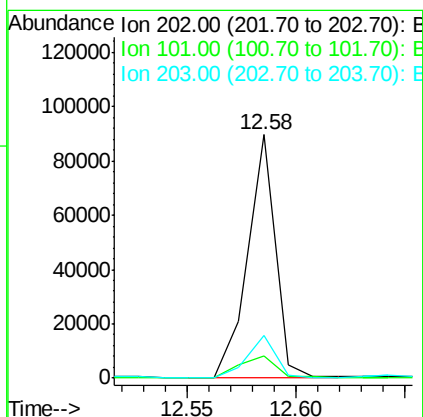
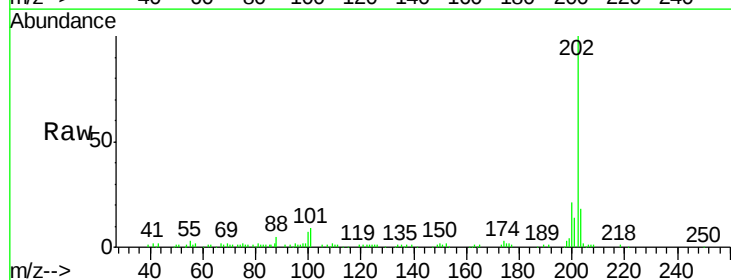
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-03RE

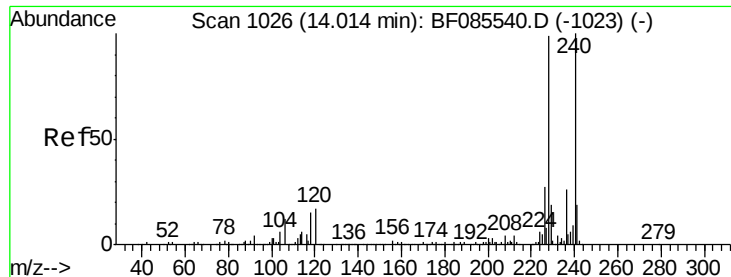
Tgt Ion:178 Resp: 45054
Ion Ratio Lower Upper
178 100
176 18.6 16.3 24.5
179 15.2 12.6 18.8



#74
Fluoranthene
Concen: 4.48 ng
RT: 12.58 min Scan# 901
Delta R.T. 0.00 min
Lab File: BF085590.D
Acq: 19 Mar 2016 23:14

Tgt Ion:202 Resp: 79947
Ion Ratio Lower Upper
202 100
101 9.2 0.0 36.6
203 17.6 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1026

Delta R.T. 0.00 min

Lab File: BF085590.D

Acq: 19 Mar 2016 23:14

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-03RE

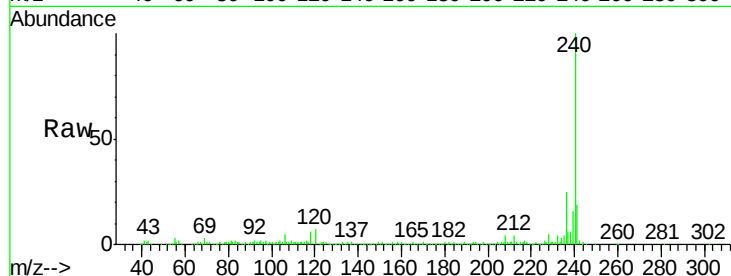
Tgt Ion:240 Resp: 234327

Ion Ratio Lower Upper

240 100

120 7.2 13.8 20.8#

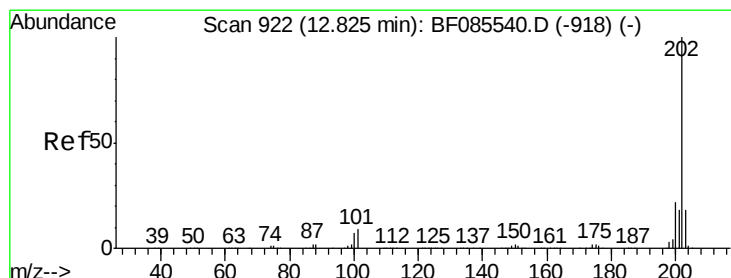
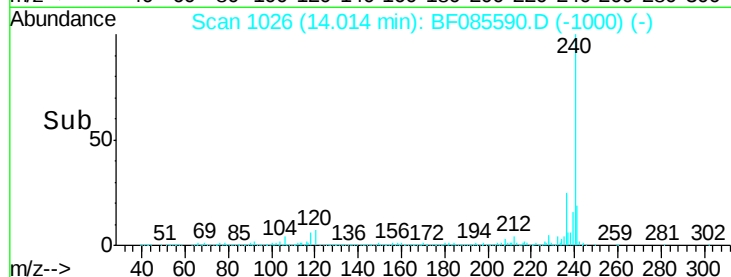
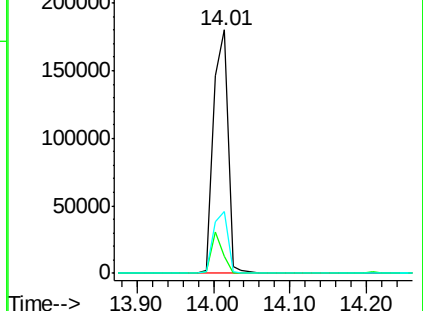
236 25.4 20.6 30.8



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: 4.73 ng

RT: 12.81 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF085590.D

Acq: 19 Mar 2016 23:14

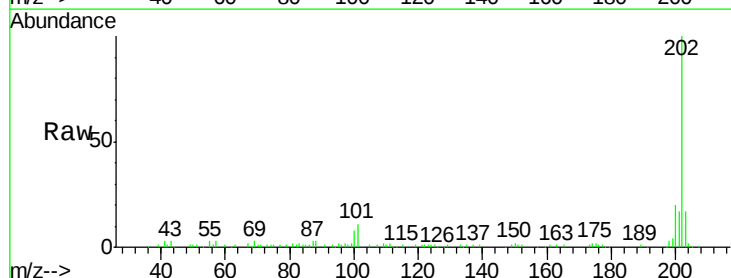
Tgt Ion:202 Resp: 79554

Ion Ratio Lower Upper

202 100

200 20.1 17.6 26.4

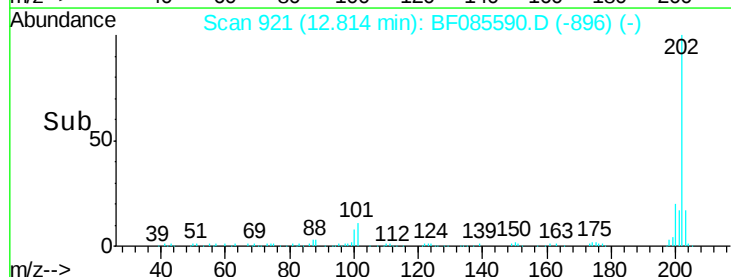
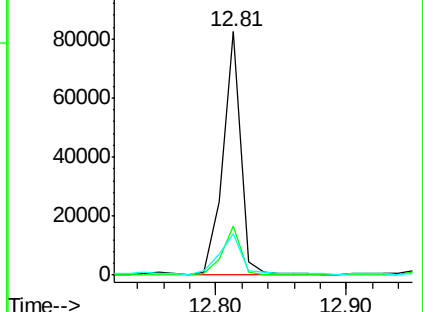
203 17.2 14.0 21.0

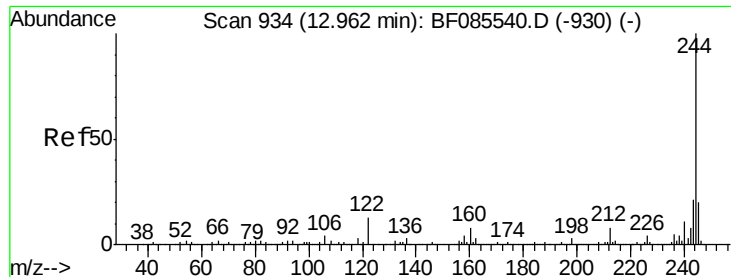


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

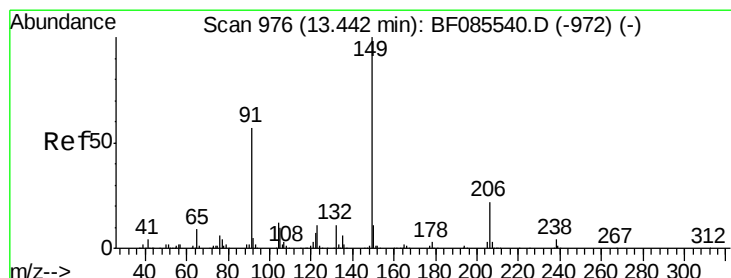
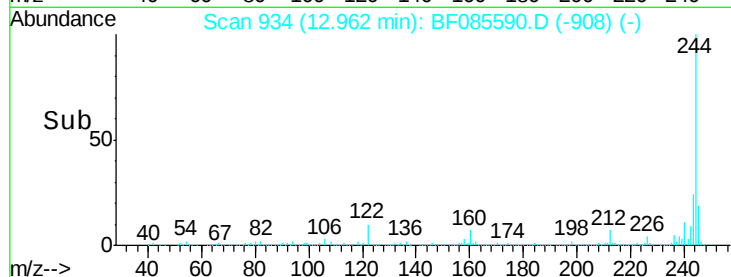
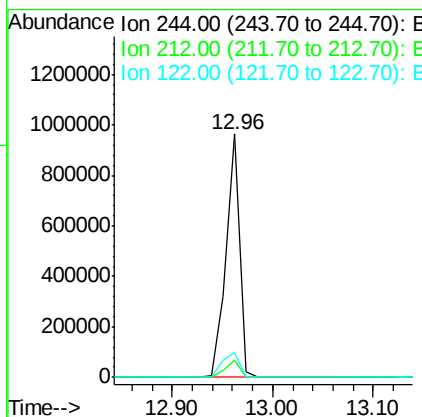
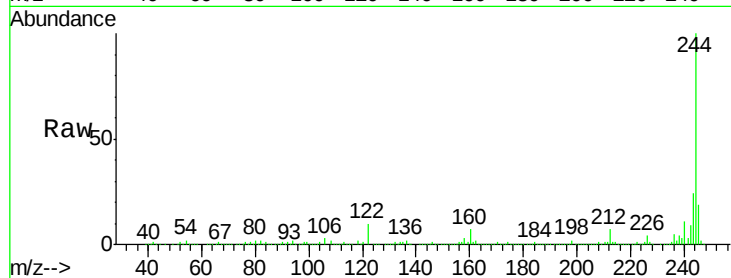




#78
 Terphenyl-d14
 Concen: 93.09 ng
 RT: 12.96 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: BF085590.D
 Acq: 19 Mar 2016 23:14

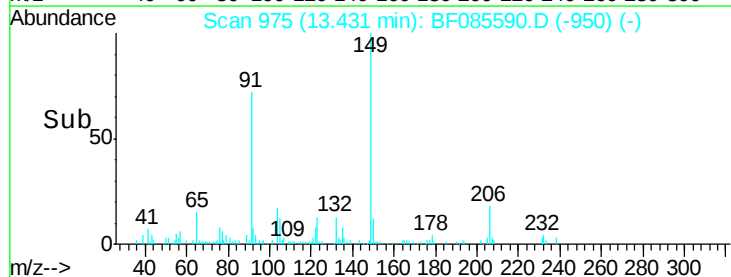
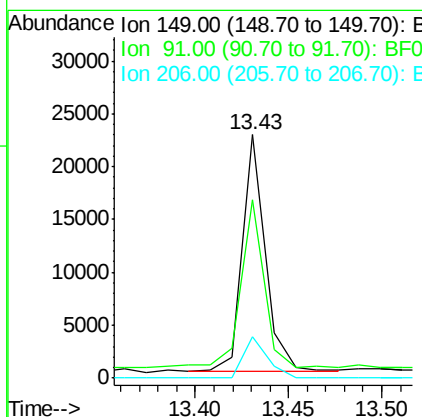
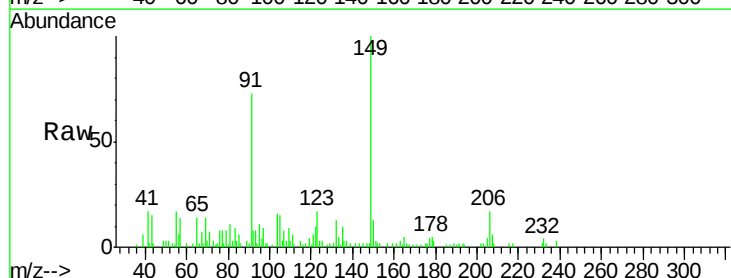
Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-03RE

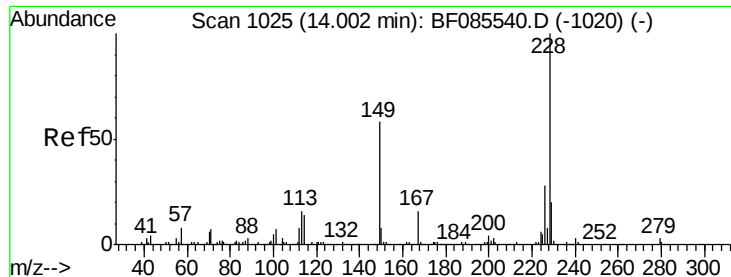
Tgt Ion: 244 Resp: 906532
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 10.1 10.2 15.4#



#79
 Butylbenzylphthalate
 Concen: 2.39 ng
 RT: 13.43 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: BF085590.D
 Acq: 19 Mar 2016 23:14

Tgt Ion: 149 Resp: 19160
 Ion Ratio Lower Upper
 149 100
 91 73.5 45.8 68.8#
 206 17.2 17.8 26.8#

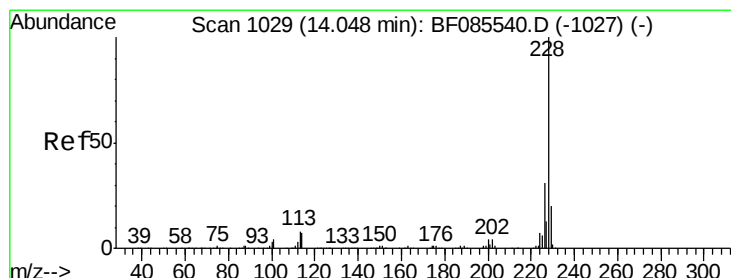
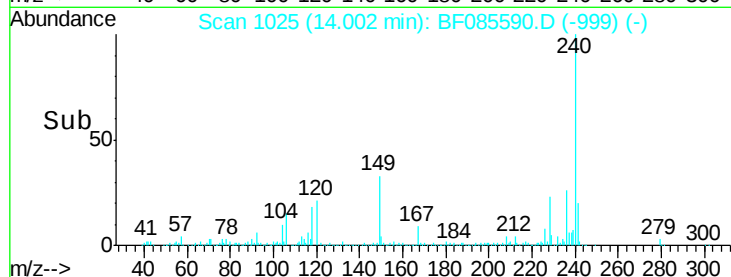
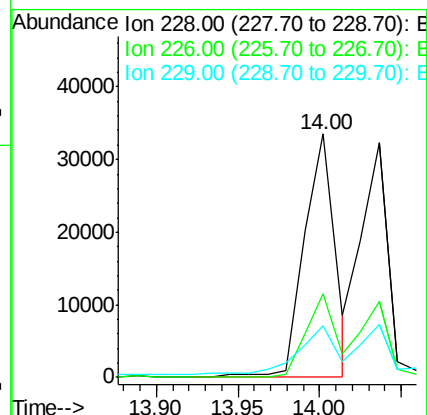
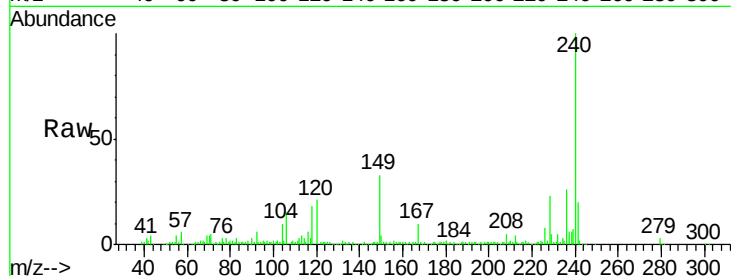




#80
Benzo(a)anthracene
Concen: 3.23 ng
RT: 14.00 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BF085590.D
Acq: 19 Mar 2016 23:14

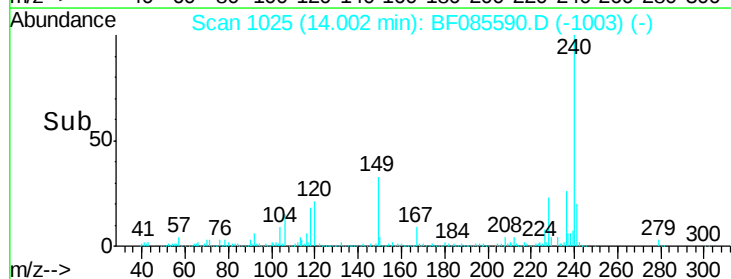
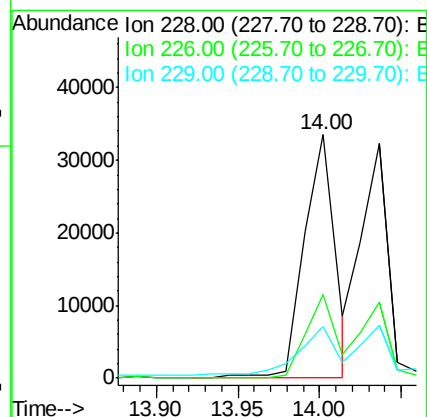
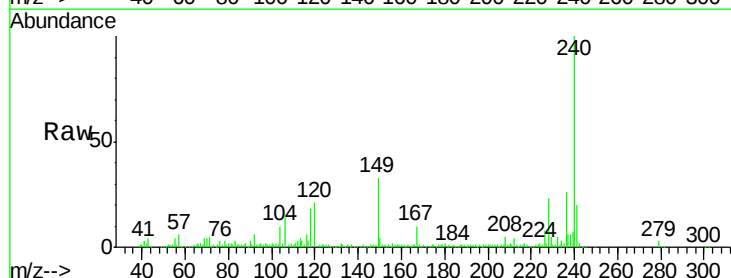
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-03RE

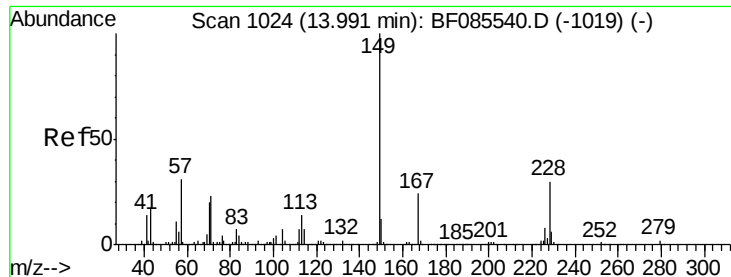
Tgt Ion: 228 Resp: 43998
Ion Ratio Lower Upper
228 100
226 34.4 22.1 33.1#
229 21.3 16.2 24.4



#82
Chrysene
Concen: 3.36 ng
RT: 14.00 min Scan# 1025
Delta R.T. -0.05 min
Lab File: BF085590.D
Acq: 19 Mar 2016 23:14

Tgt Ion: 228 Resp: 43998
Ion Ratio Lower Upper
228 100
226 34.4 25.0 37.6
229 21.3 15.7 23.5

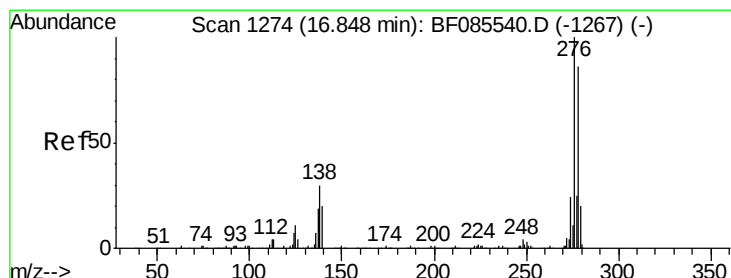
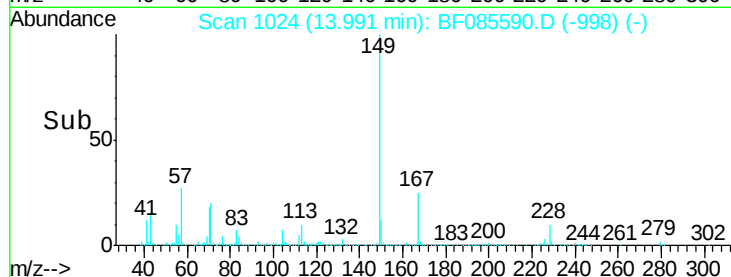
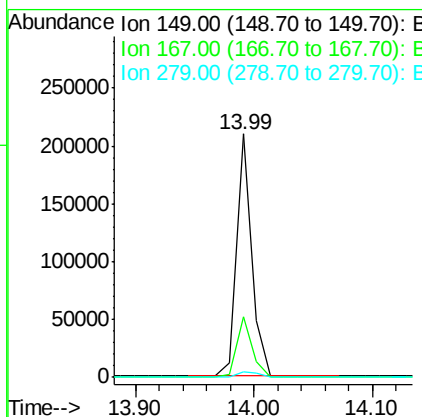
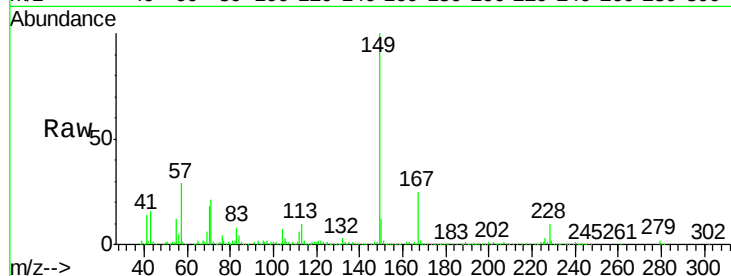




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 18.72 ng
 RT: 13.99 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BF085590.D
 Acq: 19 Mar 2016 23:14

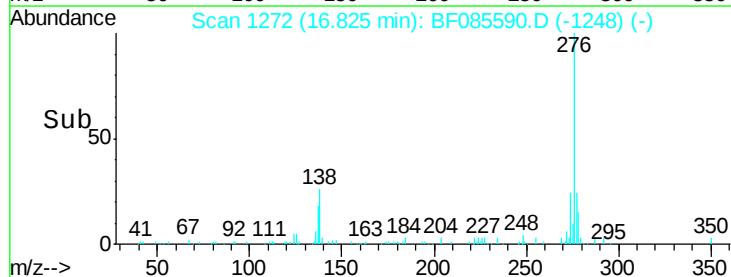
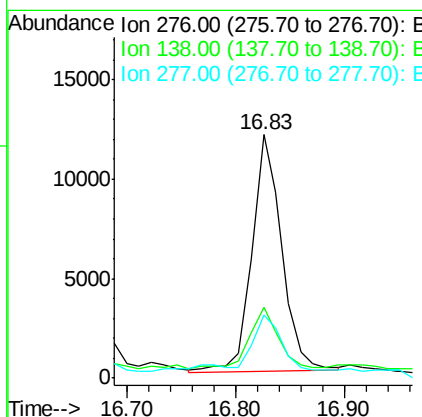
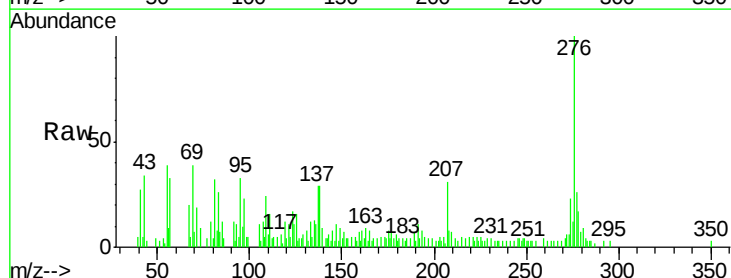
Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-03RE

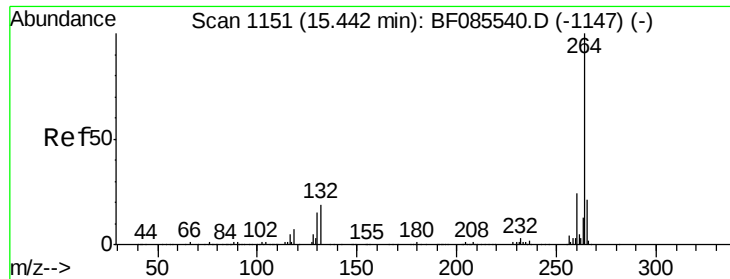
Tgt Ion:149 Resp: 186567
 Ion Ratio Lower Upper
 149 100
 167 24.7 19.4 29.2
 279 2.3 1.5 2.3#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.07 ng
 RT: 16.83 min Scan# 1272
 Delta R.T. -0.02 min
 Lab File: BF085590.D
 Acq: 19 Mar 2016 23:14

Tgt Ion:276 Resp: 22661
 Ion Ratio Lower Upper
 276 100
 138 26.3 24.2 36.4
 277 31.9 20.0 30.0#

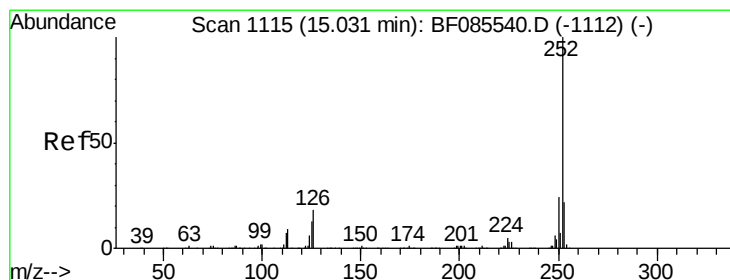
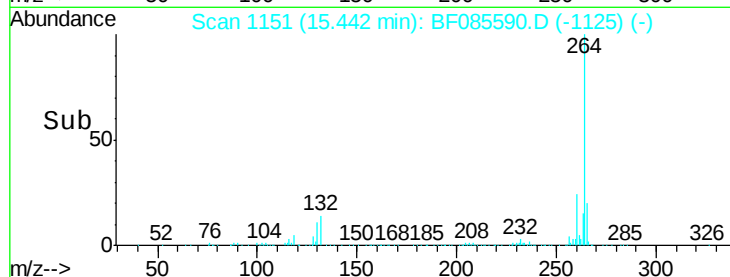
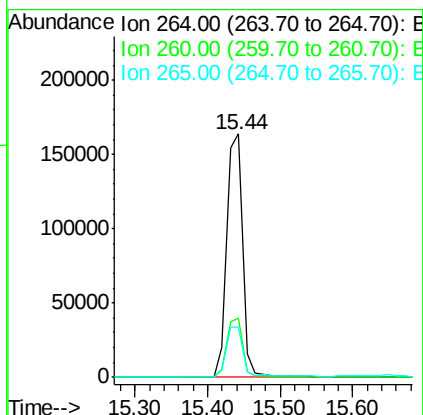
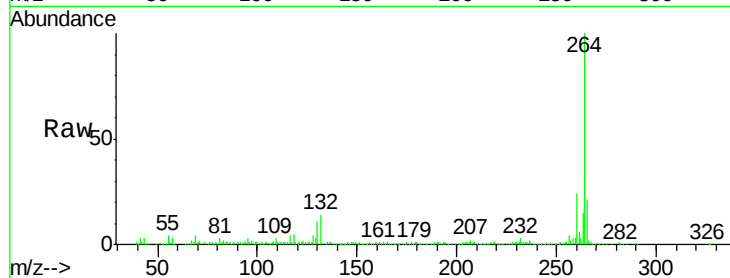




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF085590.D
Acq: 19 Mar 2016 23:14

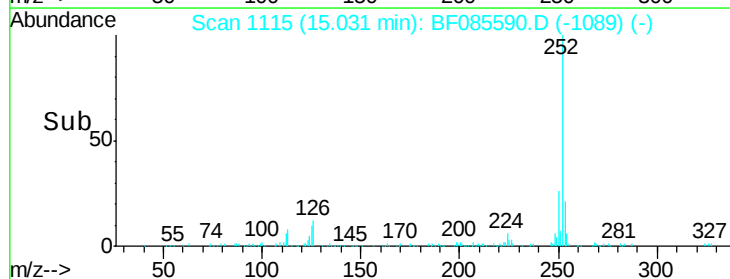
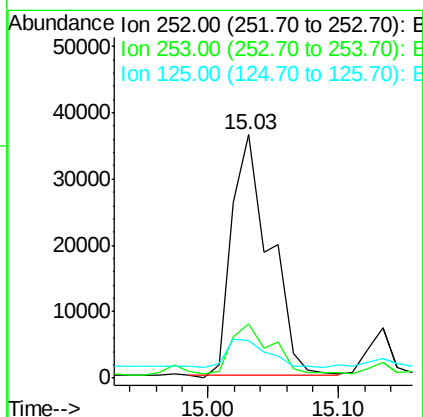
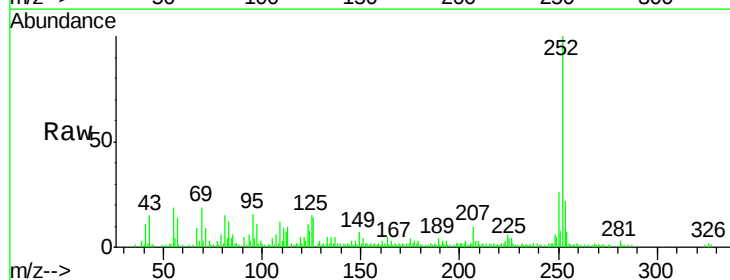
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-03RE

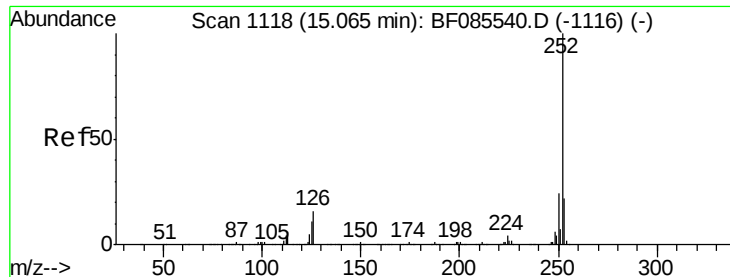
Tgt Ion:264 Resp: 251436
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.2
265 20.8 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 4.42 ng
RT: 15.03 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BF085590.D
Acq: 19 Mar 2016 23:14

Tgt Ion:252 Resp: 72543
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 15.3 10.3 15.5





#88

Benzo(k)fluoranthene

Concen: 5.37 ng

RT: 15.03 min Scan# 1115

Delta R.T. -0.03 min

Lab File: BF085590.D

Acq: 19 Mar 2016 23:14

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-03RE

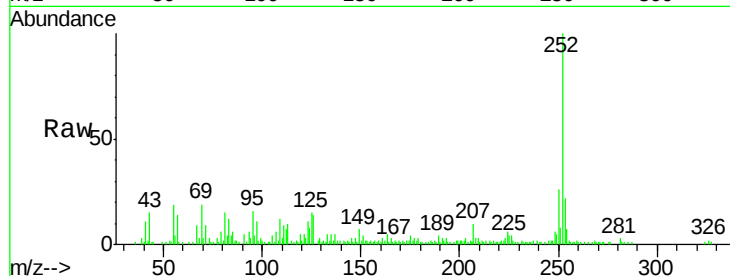
Tgt Ion:252 Resp: 72543

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

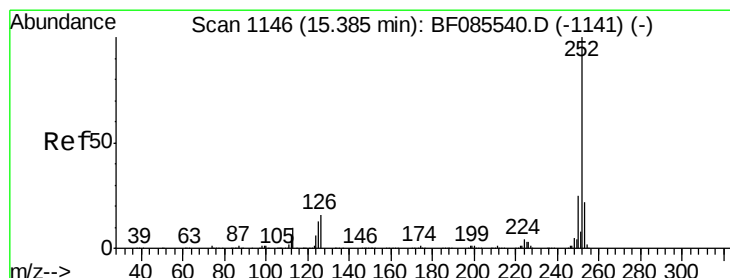
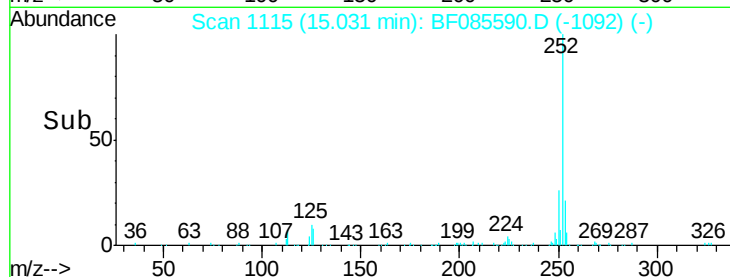
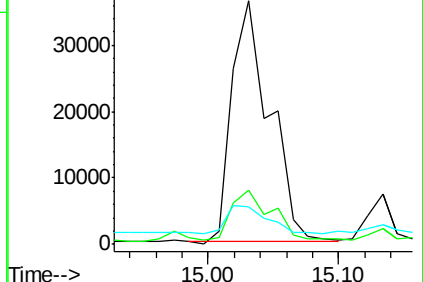
125 15.3 7.7 11.5#



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: 2.78 ng

RT: 15.37 min Scan# 1145

Delta R.T. -0.01 min

Lab File: BF085590.D

Acq: 19 Mar 2016 23:14

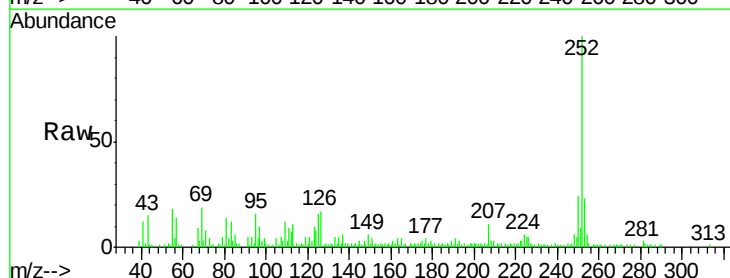
Tgt Ion:252 Resp: 38715

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

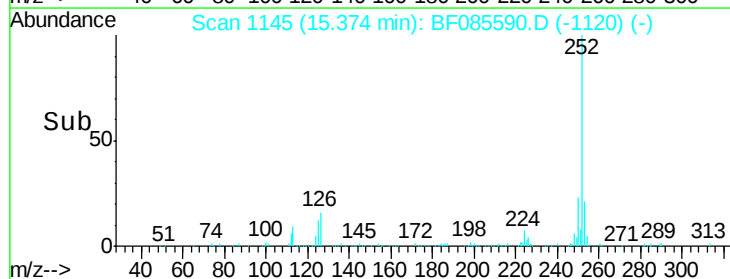
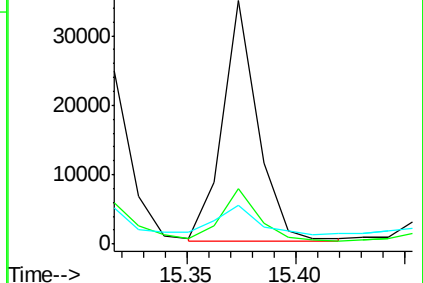
125 16.1 10.3 15.5#

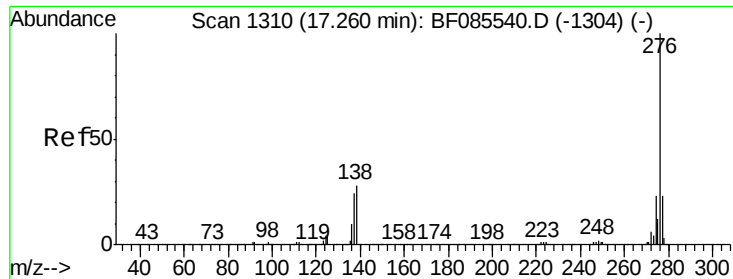


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 2.08 ng

RT: 17.25 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF085590.D

Acq: 19 Mar 2016 23:14

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-03RE

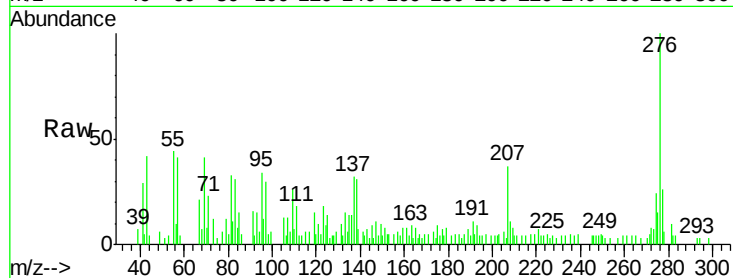
Tgt Ion: 276 Resp: 23394

Ion Ratio Lower Upper

276 100

277 25.7 18.8 28.2

138 30.6 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

