

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
 Data File : BF085604.D
 Acq On : 20 Mar 2016 8:02
 Operator : UM/SJ
 Sample : H1815-16
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-COMP

Quant Time: Mar 21 00:20:19 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

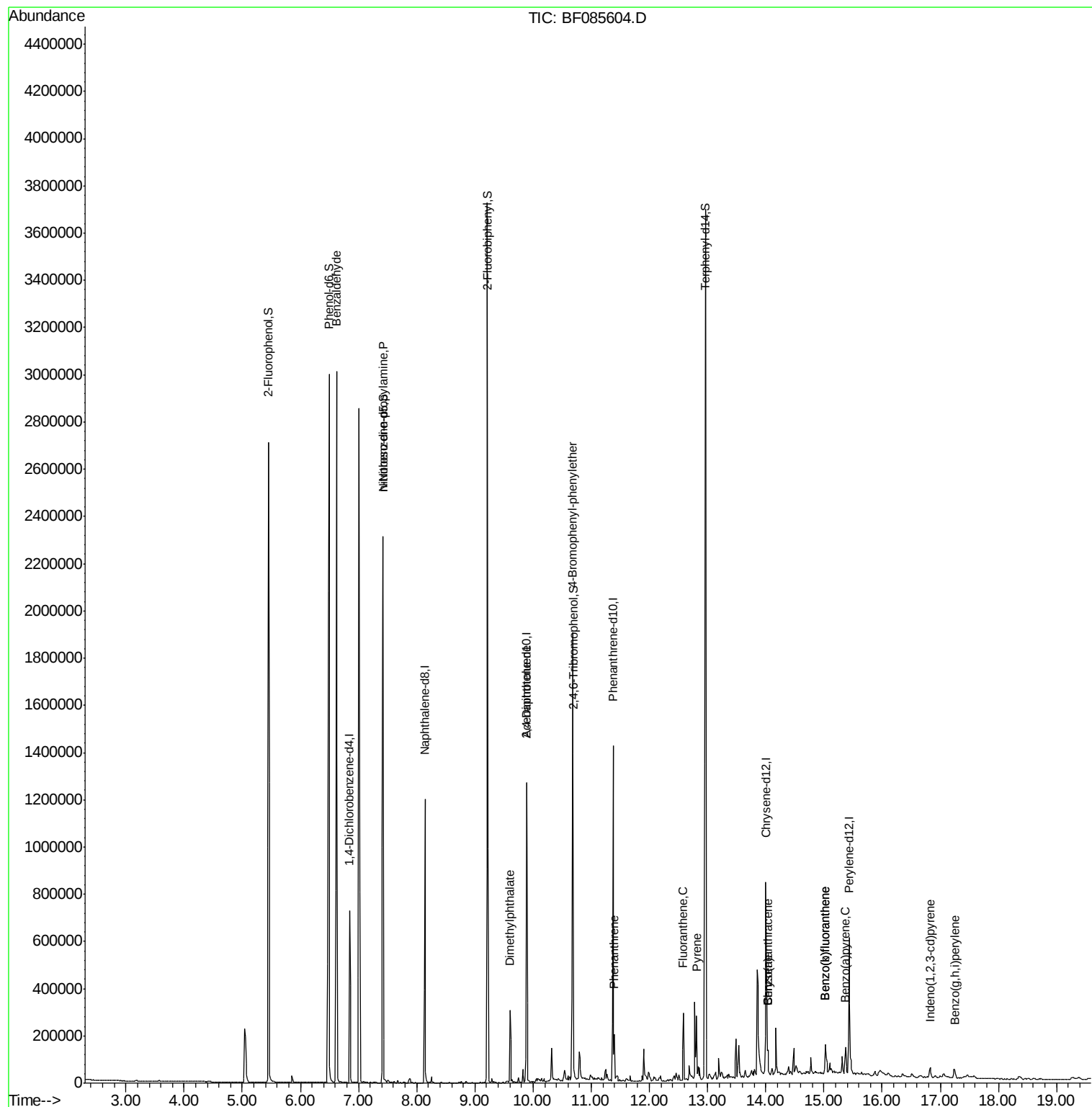
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	135346	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	579702	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	247996	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	478954	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	295459	20.00	ng	-0.01
86) Perylene-d12	15.43	264	261339	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1109307	137.67	ng	0.00
7) Phenol-d6	6.49	99	1501130	145.25	ng	0.00
23) Nitrobenzene-d5	7.42	82	876021	87.72	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	367166	151.14	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1334876	94.45	ng	-0.01
78) Terphenyl-d14	12.96	244	1194485	97.28	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.62	77	23147	2.53	ng	84
19) n-Nitroso-di-n-propylamine	7.42	70	117249	18.99	ng	# 77
49) Dimethylphthalate	9.60	163	152568	8.15	ng	99
56) 2,4-Dinitrotoluene	9.89	165	32154	6.22	ng	# 37
66) 4-Bromophenyl-phenylether	10.68	248	22325	4.67	ng	# 1
70) Phenanthrene	11.40	178	70953	2.81	ng	98
74) Fluoranthene	12.59	202	130469	4.93	ng	90
77) Pyrene	12.81	202	131138	6.18	ng	99
80) Benzo(a)anthracene	14.04	228	49990	2.91	ng	95
82) Chrysene	14.04	228	49990	3.03	ng	97
85) Indeno(1,2,3-cd)pyrene	16.83	276	34748	2.52	ng	94
87) Benzo(b)fluoranthene	15.02	252	93206	5.47	ng	95
88) Benzo(k)fluoranthene	15.02	252	93206	6.63	ng	# 93
89) Benzo(a)pyrene	15.37	252	52091	3.60	ng	96
91) Benzo(g,h,i)perylene	17.25	276	35734	3.06	ng	96

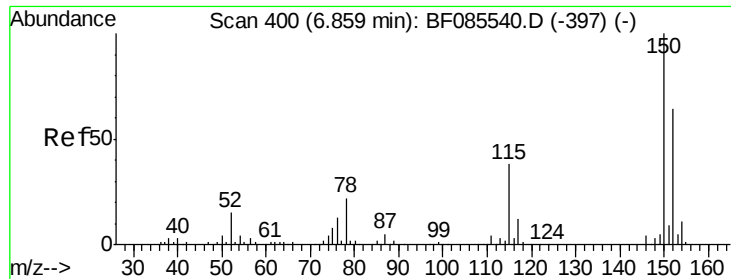
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 399

Delta R.T. -0.01 min

Lab File: BF085604.D

Acq: 20 Mar 2016 8:02

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

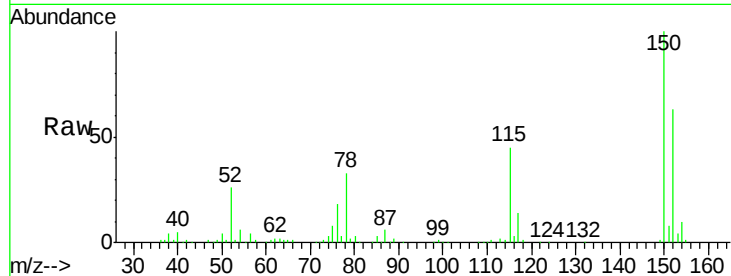
Tgt Ion:152 Resp: 135346

Ion Ratio Lower Upper

152 100

150 159.7 124.2 186.2

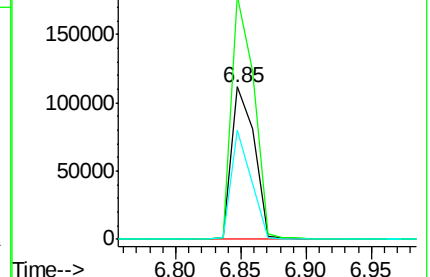
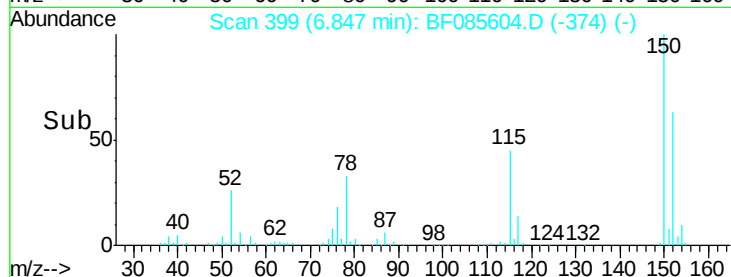
115 71.9 47.0 70.6#



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: 137.67 ng

RT: 5.45 min Scan# 277

Delta R.T. 0.00 min

Lab File: BF085604.D

Acq: 20 Mar 2016 8:02

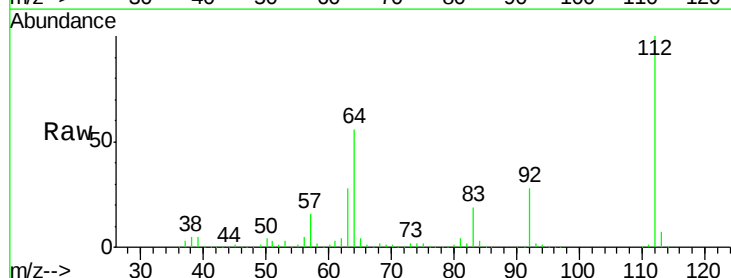
Tgt Ion:112 Resp: 1109307

Ion Ratio Lower Upper

112 100

64 56.0 39.9 59.9

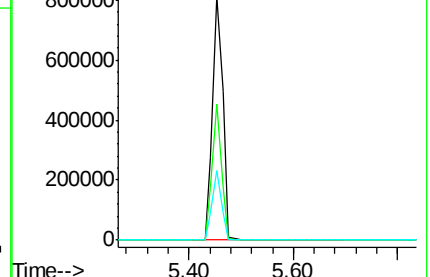
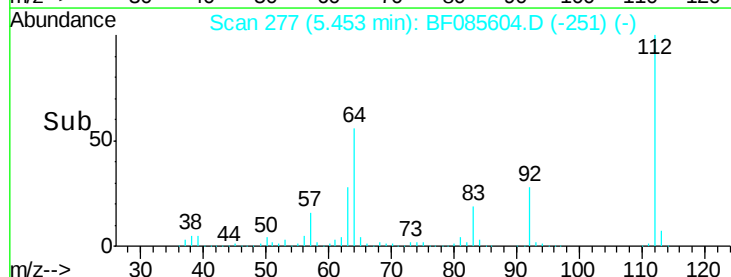
63 28.5 20.2 30.2



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: 145.25 ng

RT: 6.49 min Scan# 368

Delta R.T. 0.00 min

Lab File: BF085604.D

Acq: 20 Mar 2016 8:02

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

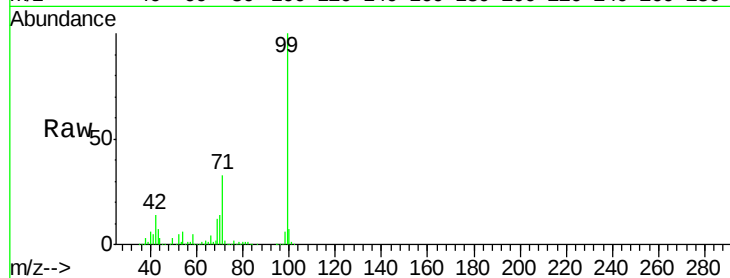
Tgt Ion: 99 Resp: 1501130

Ion Ratio Lower Upper

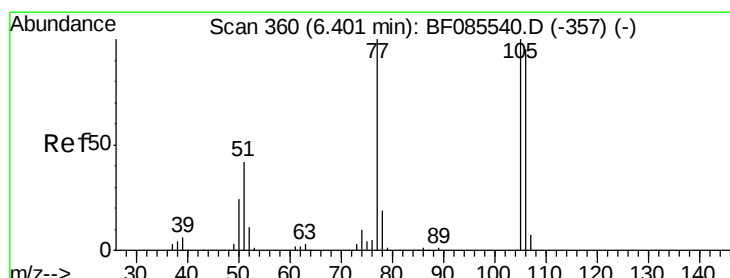
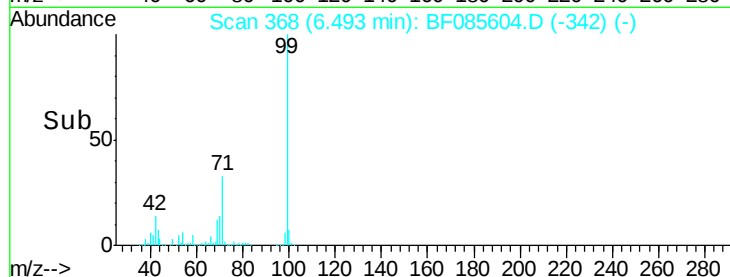
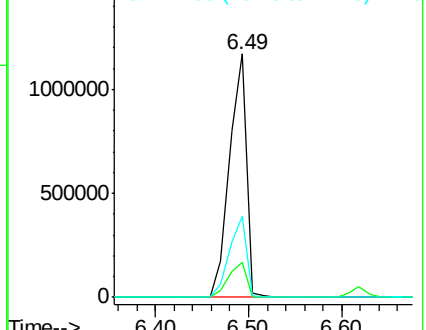
99 100

42 14.2 11.1 16.7

71 33.2 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: 2.53 ng

RT: 6.62 min Scan# 379

Delta R.T. 0.22 min

Lab File: BF085604.D

Acq: 20 Mar 2016 8:02

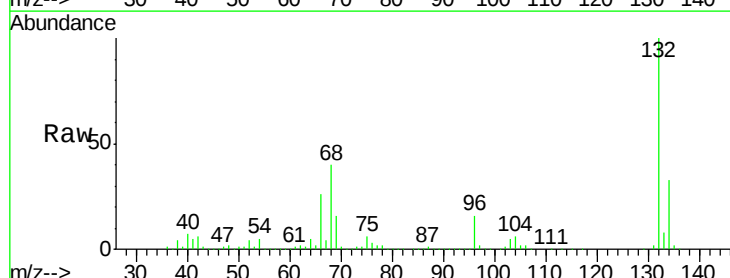
Tgt Ion: 77 Resp: 23147

Ion Ratio Lower Upper

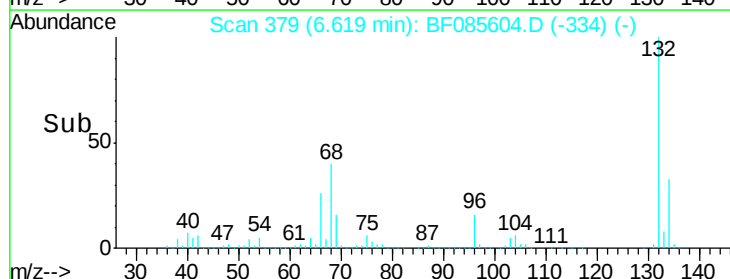
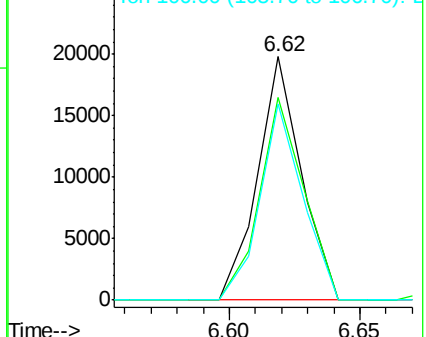
77 100

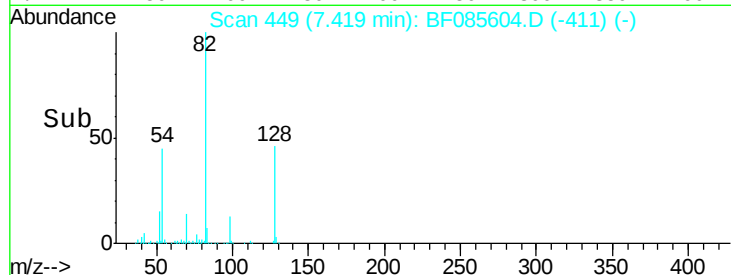
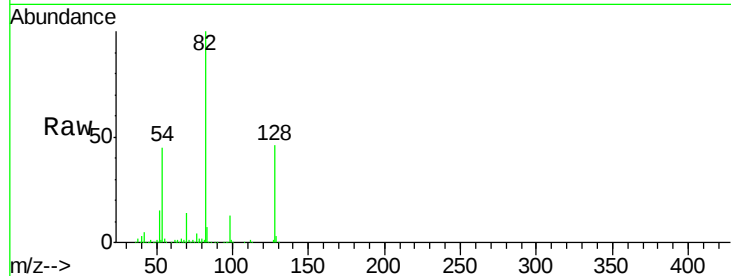
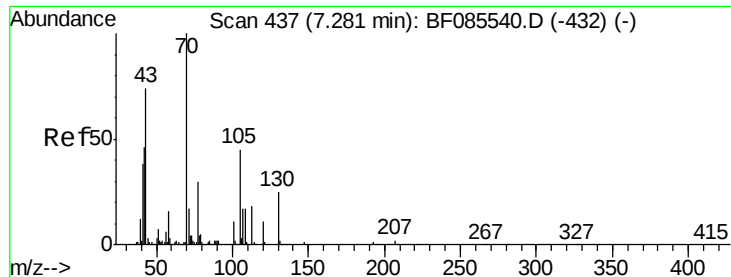
105 83.2 80.1 120.1

106 80.8 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

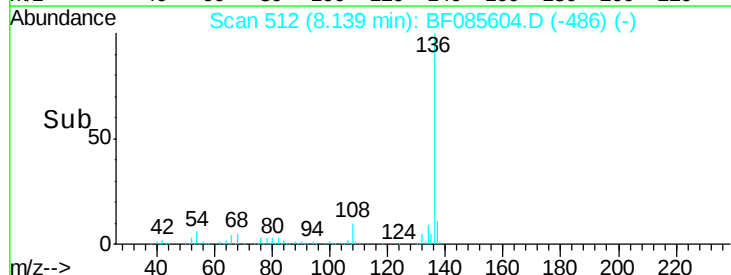
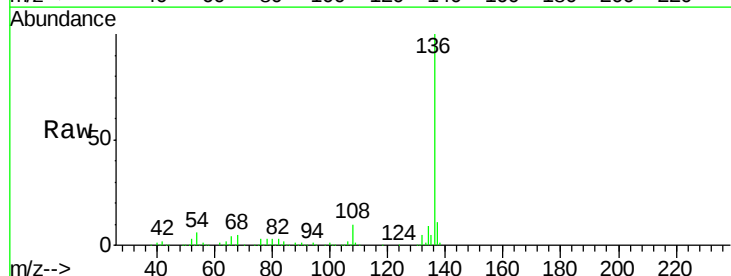
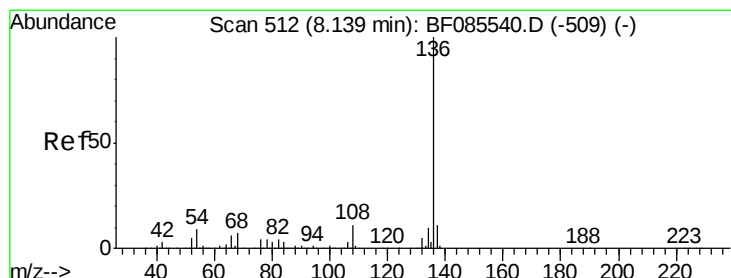
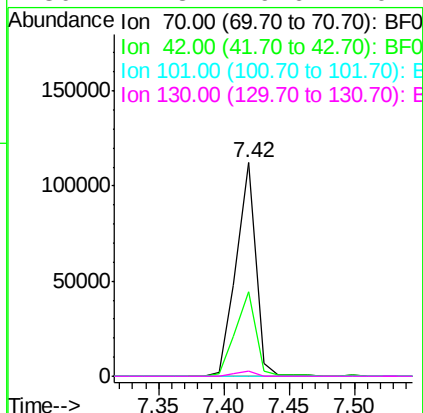




#19
n-Nitroso-di-n-propylamine
Concen: 18.99 ng
RT: 7.42 min Scan# 449
Delta R.T. 0.14 min
Lab File: BF085604.D
Acq: 20 Mar 2016 8:02

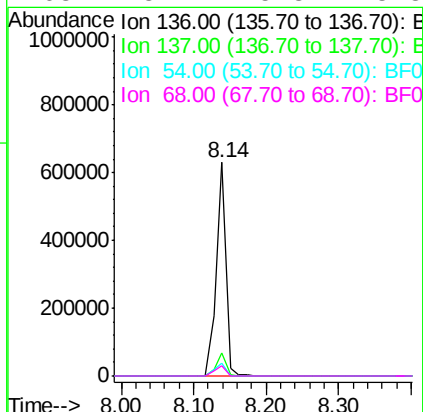
Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

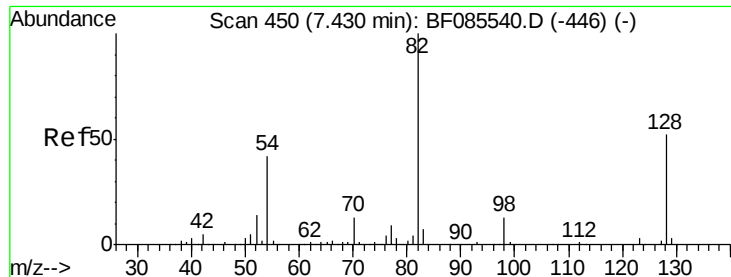
Tgt Ion: 70 Resp: 117249
Ion Ratio Lower Upper
70 100
42 39.8 37.1 55.7
101 0.0 8.6 12.8#
130 2.3 19.6 29.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 512
Delta R.T. 0.00 min
Lab File: BF085604.D
Acq: 20 Mar 2016 8:02

Tgt Ion: 136 Resp: 579702
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 5.8 7.4 11.0#
68 5.1 5.8 8.8#

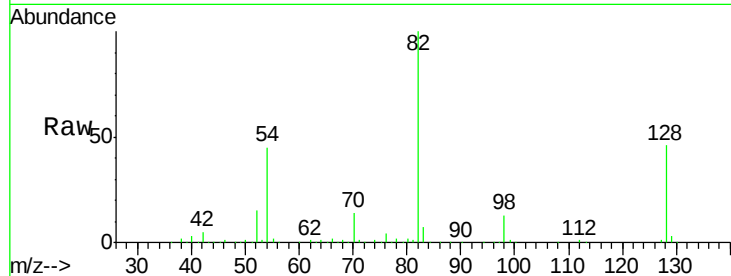




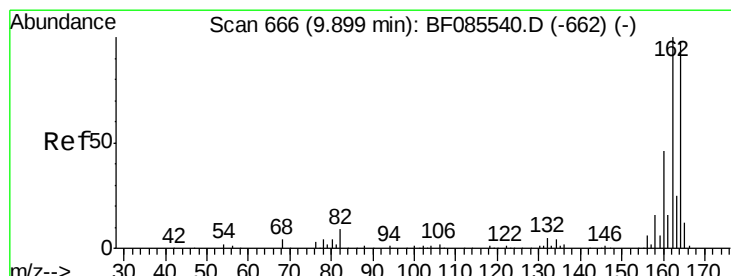
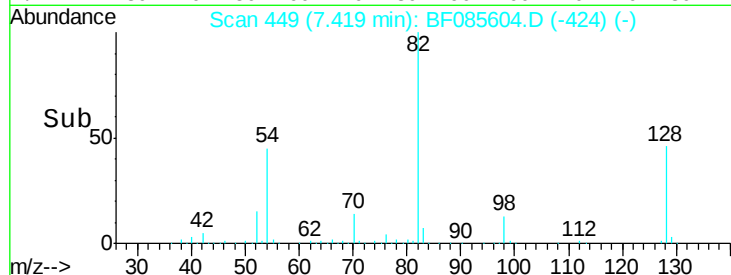
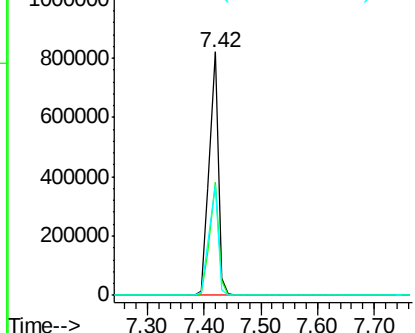
#23
 Nitrobenzene-d5
 Concen: 87.72 ng
 RT: 7.42 min Scan# 449
 Delta R.T. -0.01 min
 Lab File: BF085604.D
 Acq: 20 Mar 2016 8:02

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-COMP

Tgt Ion: 82 Resp: 876021
 Ion Ratio Lower Upper
 82 100
 128 46.4 41.8 62.8
 54 45.2 33.4 50.0

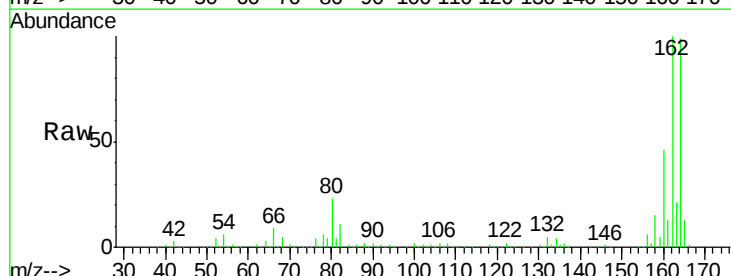


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

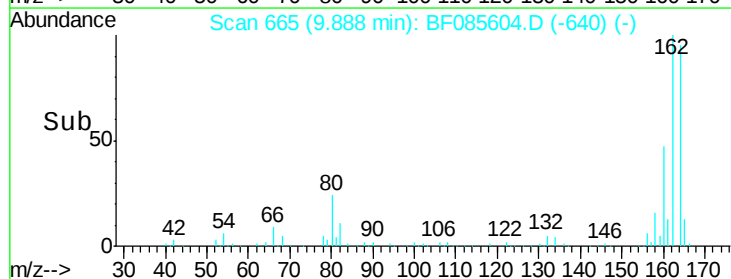
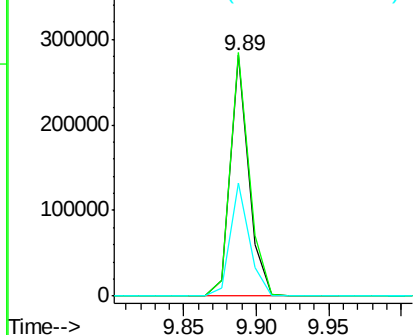


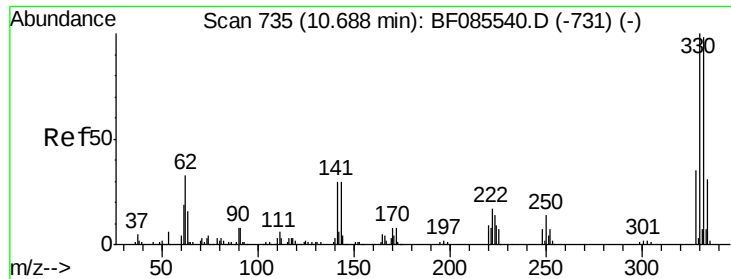
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 665
 Delta R.T. -0.01 min
 Lab File: BF085604.D
 Acq: 20 Mar 2016 8:02

Tgt Ion: 164 Resp: 247996
 Ion Ratio Lower Upper
 164 100
 162 101.2 82.1 123.1
 160 46.9 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

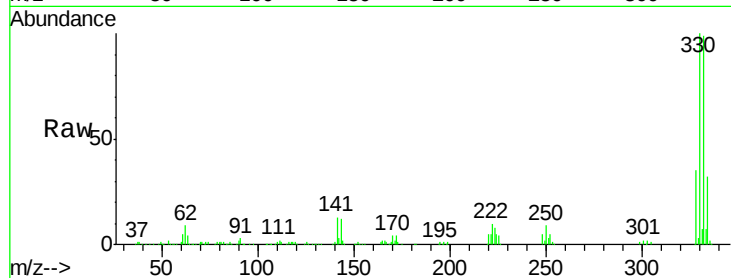




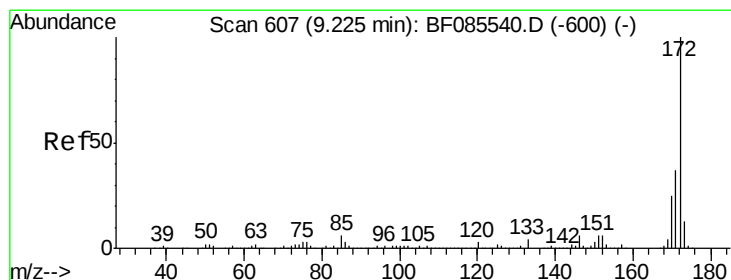
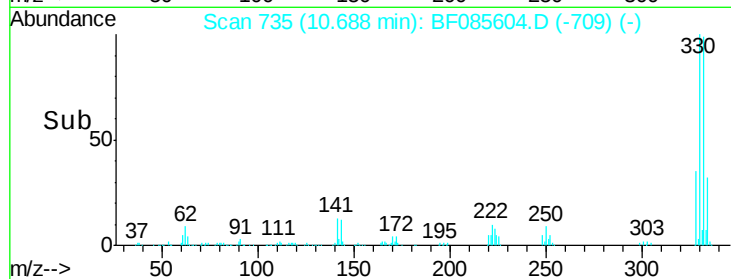
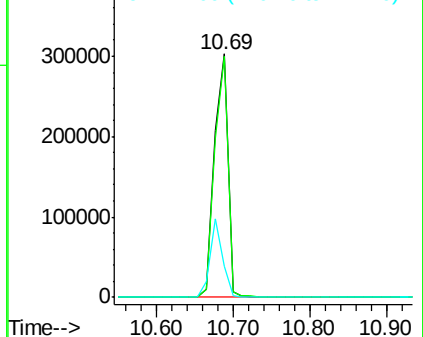
#41
 2,4,6-Tribromophenol
 Concen: 151.14 ng
 RT: 10.69 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: BF085604.D
 Acq: 20 Mar 2016 8:02

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-COMP

Tgt Ion:330 Resp: 367166
 Ion Ratio Lower Upper
 330 100
 332 97.7 78.2 117.2
 141 30.1 31.5 47.3#

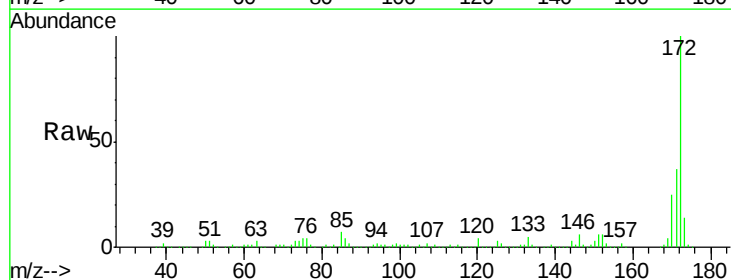


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

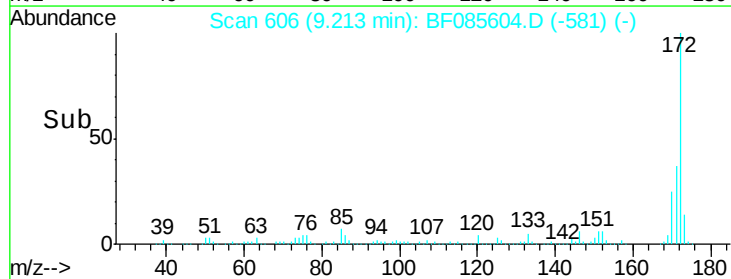
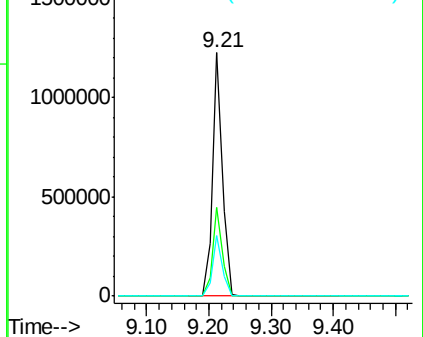


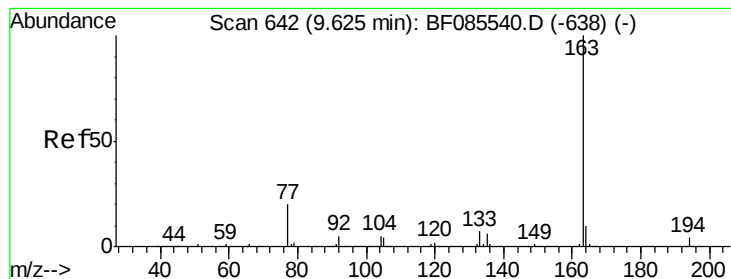
#44
 2-Fluorobiphenyl
 Concen: 94.45 ng
 RT: 9.21 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: BF085604.D
 Acq: 20 Mar 2016 8:02

Tgt Ion:172 Resp: 1334876
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.4 44.2
 170 24.7 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: 8.15 ng

RT: 9.60 min Scan# 640

Delta R.T. -0.02 min

Lab File: BF085604.D

Acq: 20 Mar 2016 8:02

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

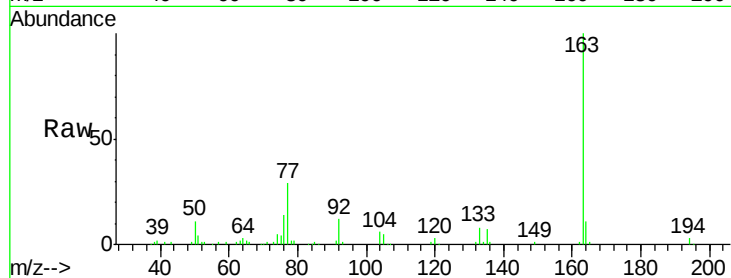
Tgt Ion:163 Resp: 152568

Ion Ratio Lower Upper

163 100

194 3.0 2.9 4.3

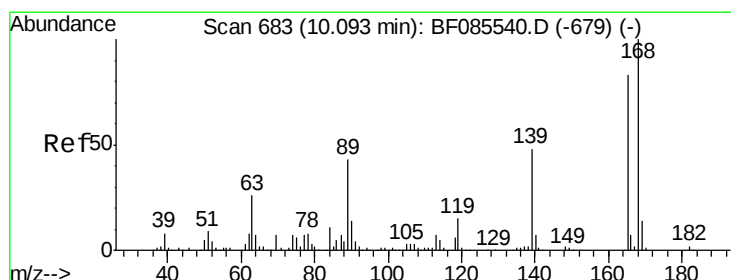
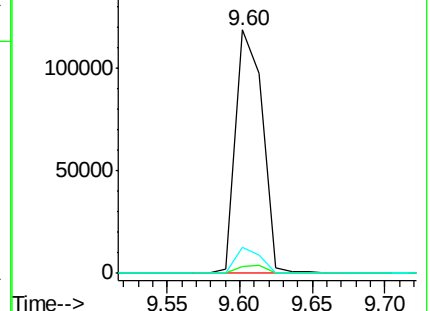
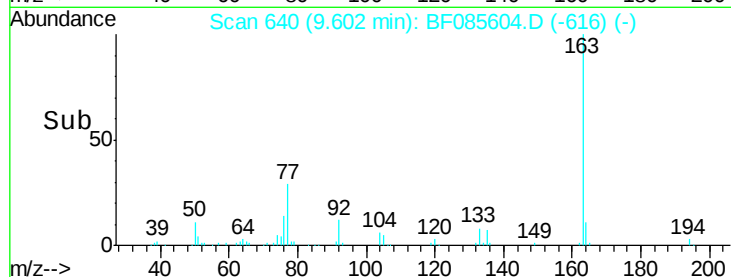
164 10.6 8.3 12.5



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: 6.22 ng

RT: 9.89 min Scan# 665

Delta R.T. -0.21 min

Lab File: BF085604.D

Acq: 20 Mar 2016 8:02

Tgt Ion:165 Resp: 32154

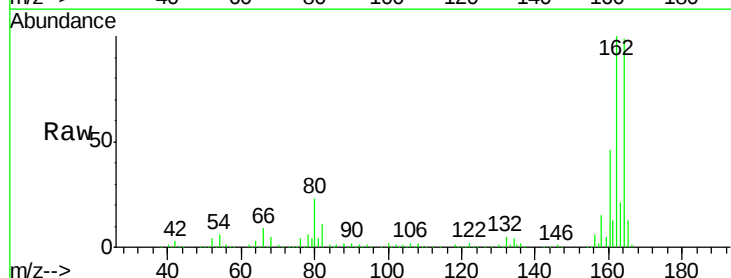
Ion Ratio Lower Upper

165 100

63 1.1 24.9 37.3#

89 1.4 41.0 61.6#

182 0.0 2.1 3.1#

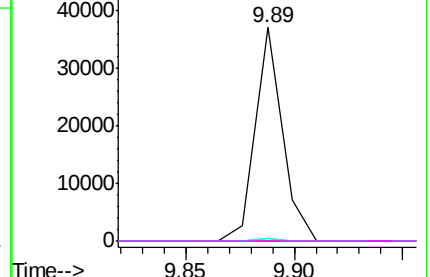
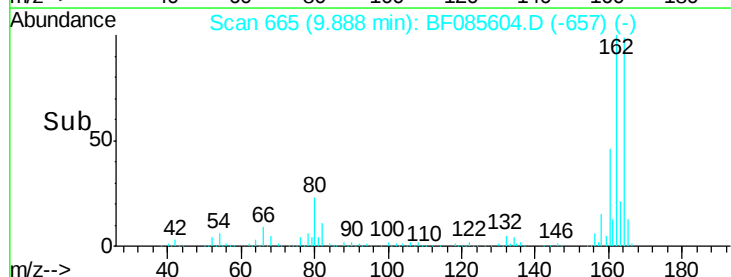


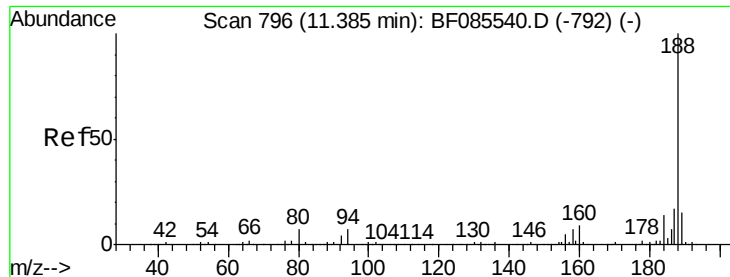
Abundance Ion 165.00 (164.70 to 165.70): E

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

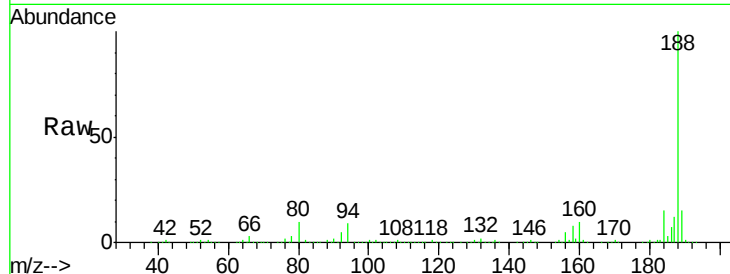




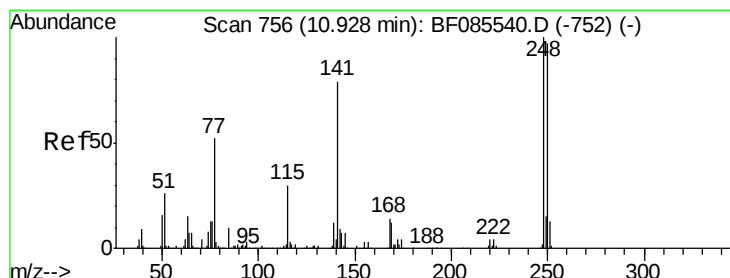
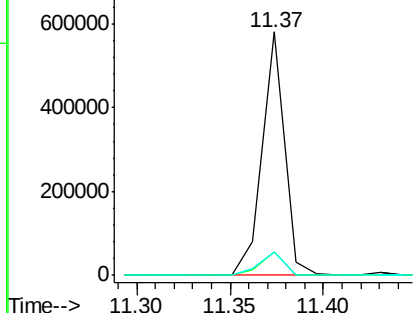
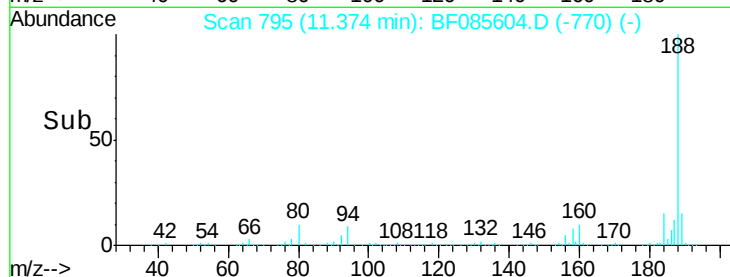
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF085604.D
Acq: 20 Mar 2016 8:02

Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

Tgt Ion:188 Resp: 478954
Ion Ratio Lower Upper
188 100
94 9.5 5.4 8.0#
80 9.7 5.5 8.3#

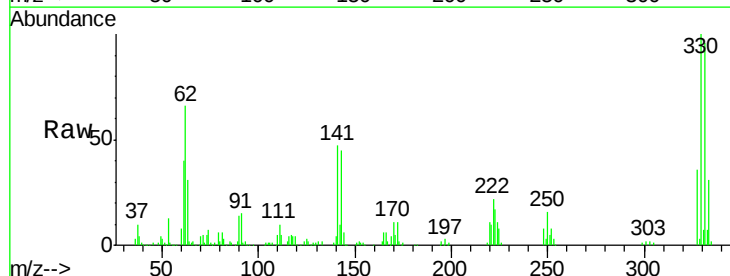


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

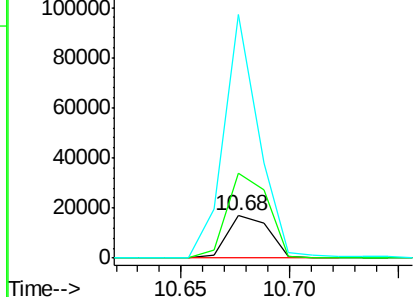
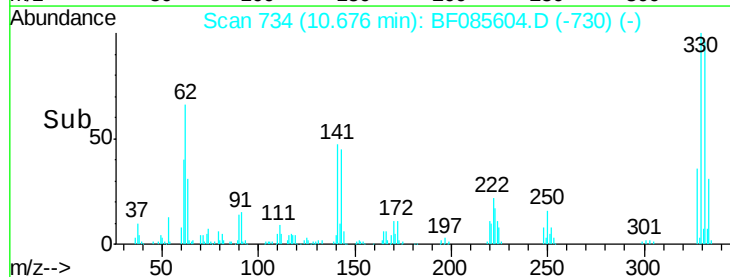


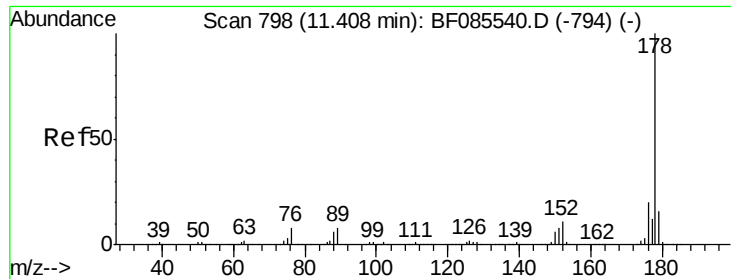
#66
4-Bromophenyl-phenylether
Concen: 4.67 ng
RT: 10.68 min Scan# 734
Delta R.T. -0.25 min
Lab File: BF085604.D
Acq: 20 Mar 2016 8:02

Tgt Ion:248 Resp: 22325
Ion Ratio Lower Upper
248 100
250 198.3 77.4 116.0#
141 572.6 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

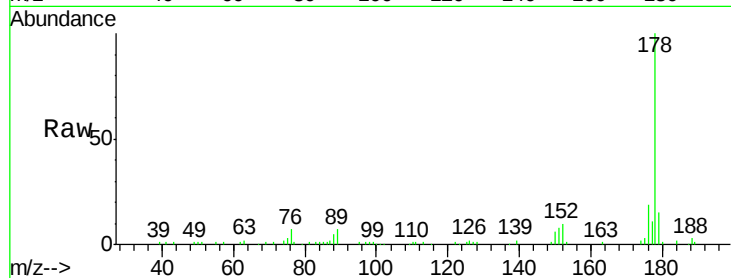




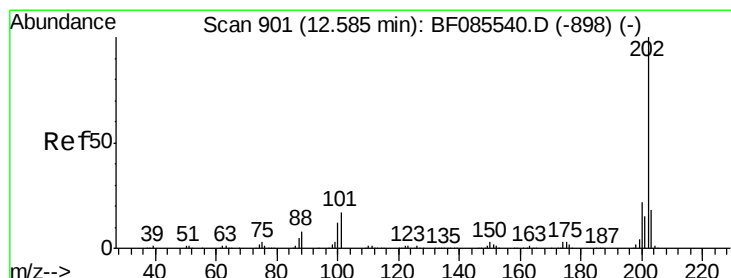
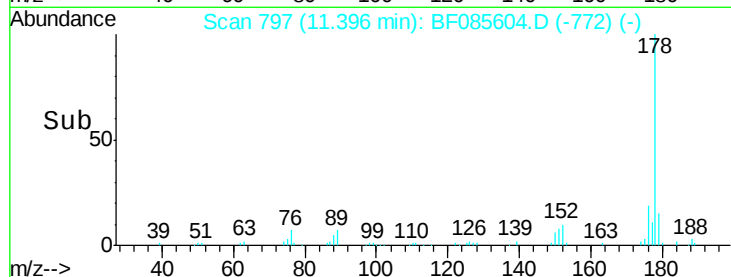
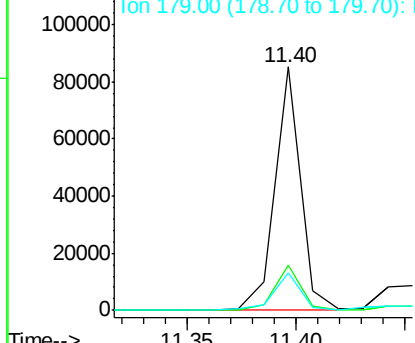
#70
Phenanthrene
Concen: 2.81 ng
RT: 11.40 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF085604.D
Acq: 20 Mar 2016 8:02

Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

Tgt Ion:178 Resp: 70953
Ion Ratio Lower Upper
178 100
176 18.8 16.3 24.5
179 15.4 12.6 18.8

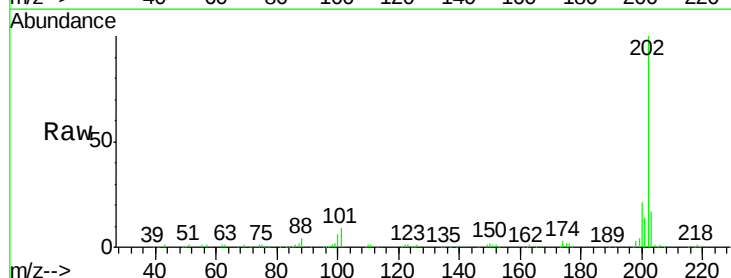


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

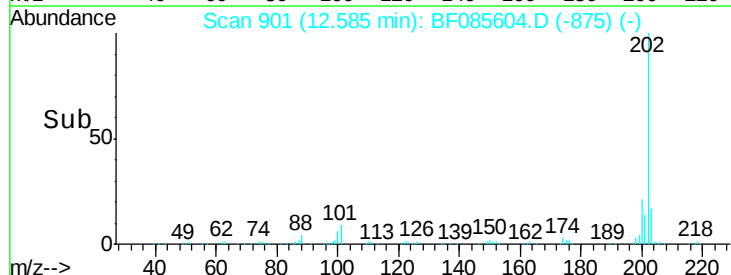
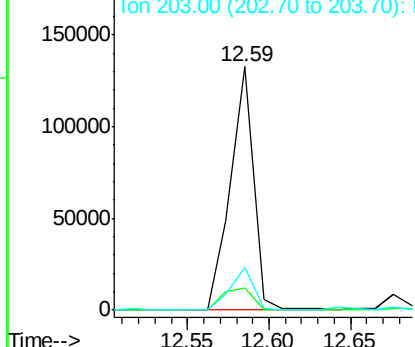


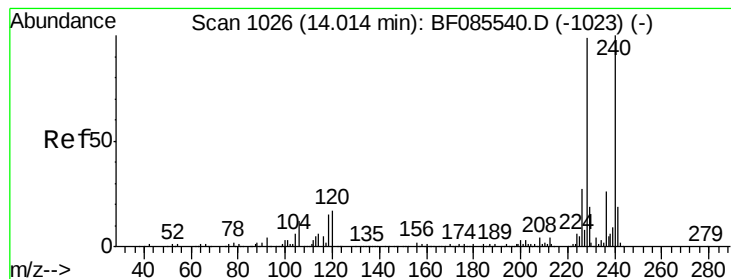
#74
Fluoranthene
Concen: 4.93 ng
RT: 12.59 min Scan# 901
Delta R.T. 0.00 min
Lab File: BF085604.D
Acq: 20 Mar 2016 8:02

Tgt Ion:202 Resp: 130469
Ion Ratio Lower Upper
202 100
101 8.9 0.0 36.6
203 17.3 0.0 38.1



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: 14.00 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF085604.D

Acq: 20 Mar 2016 8:02

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

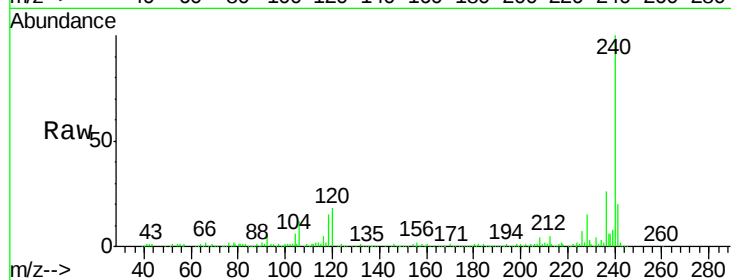
Tgt Ion:240 Resp: 295459

Ion Ratio Lower Upper

240 100

120 17.7 13.8 20.8

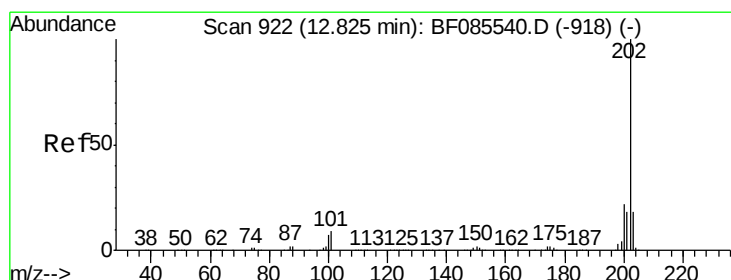
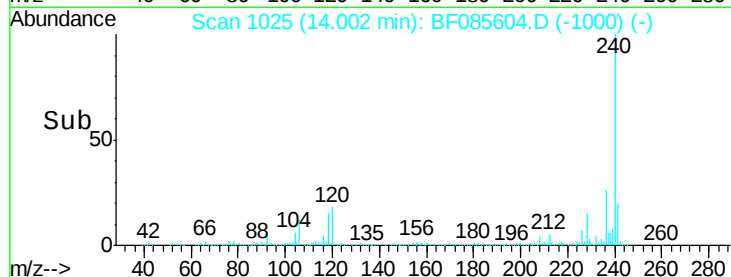
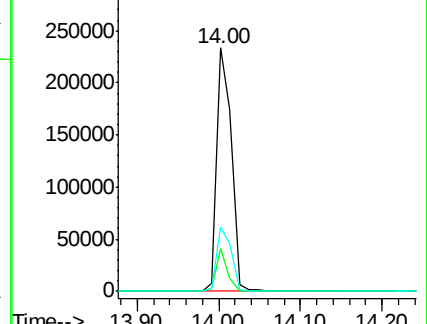
236 26.3 20.6 30.8



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: 6.18 ng

RT: 12.81 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF085604.D

Acq: 20 Mar 2016 8:02

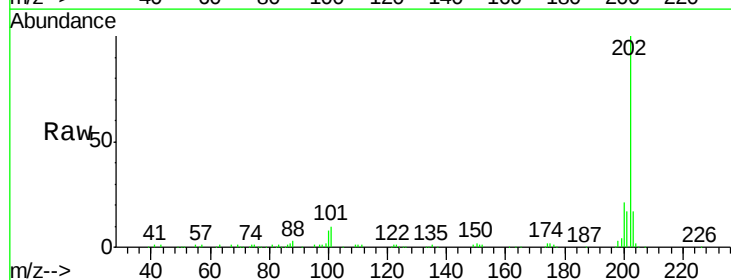
Tgt Ion:202 Resp: 131138

Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

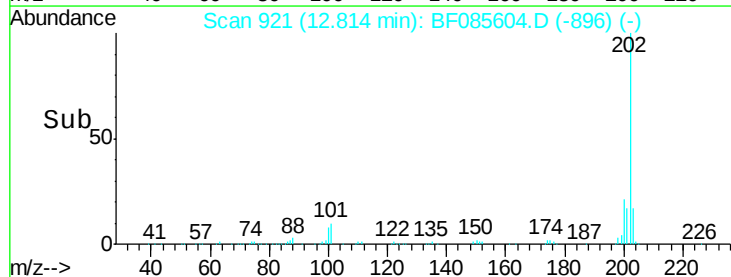
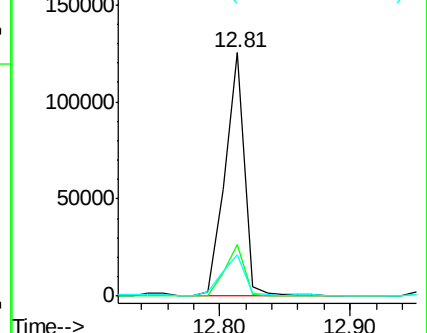
203 17.2 14.0 21.0

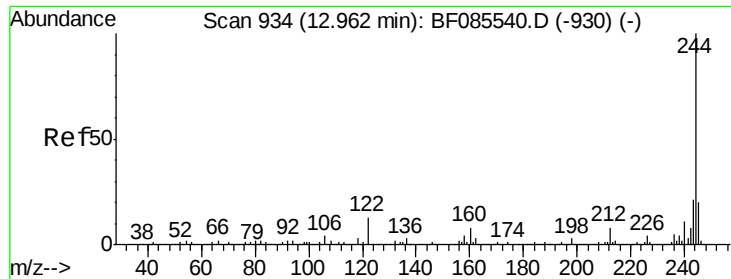


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

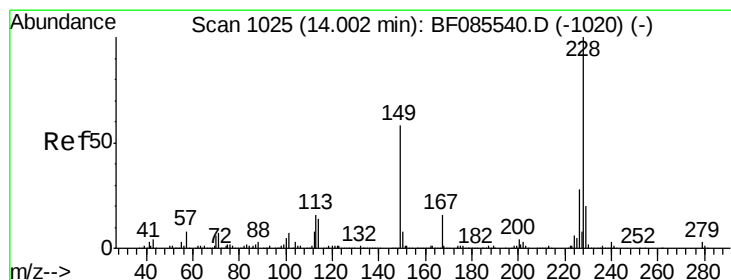
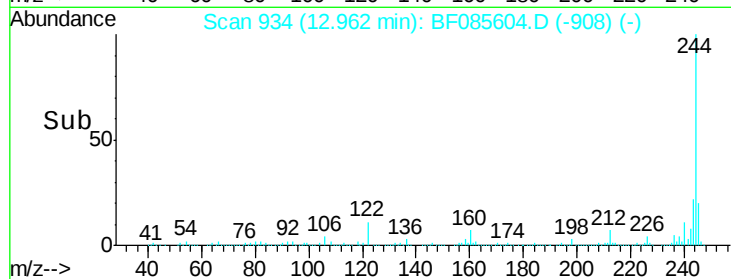
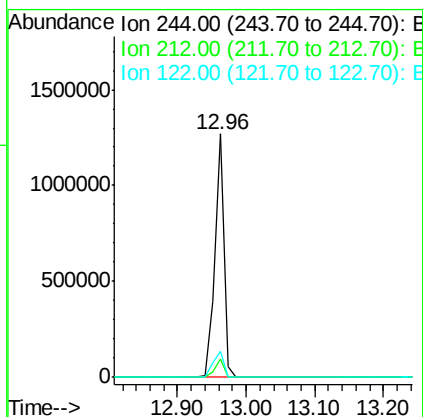
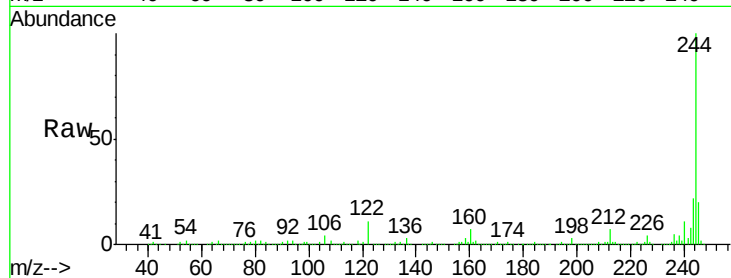




#78
 Terphenyl-d14
 Concen: 97.28 ng
 RT: 12.96 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: BF085604.D
 Acq: 20 Mar 2016 8:02

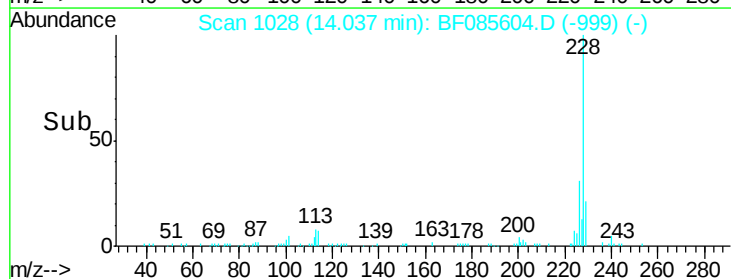
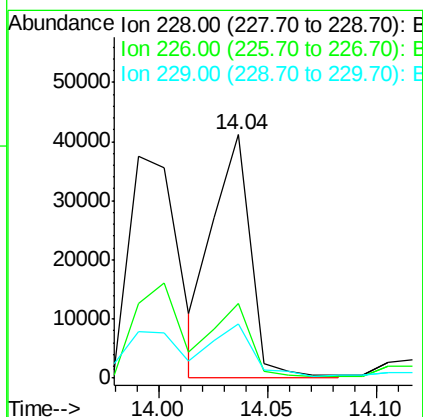
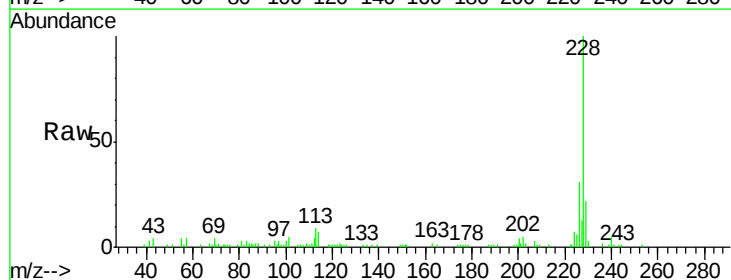
Instrument :
 BNA_F
 ClientSampleId :
 SB-03-COMP

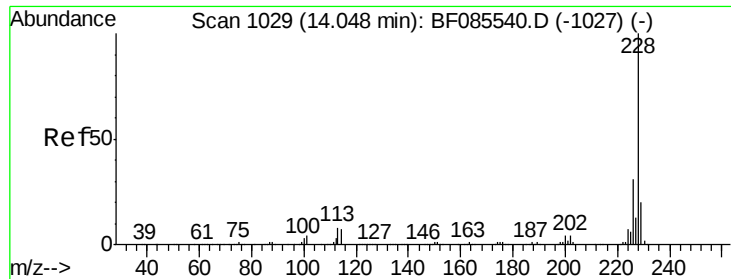
Tgt Ion:244 Resp: 1194485
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.1 9.1
 122 10.8 10.2 15.4



#80
 Benzo(a)anthracene
 Concen: 2.91 ng
 RT: 14.04 min Scan# 1028
 Delta R.T. 0.03 min
 Lab File: BF085604.D
 Acq: 20 Mar 2016 8:02

Tgt Ion:228 Resp: 49990
 Ion Ratio Lower Upper
 228 100
 226 30.9 22.1 33.1
 229 22.1 16.2 24.4





#82

Chrysene

Concen: 3.03 ng

RT: 14.04 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF085604.D

Acq: 20 Mar 2016 8:02

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

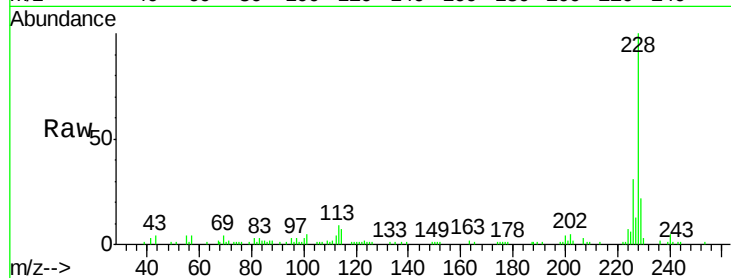
Tgt Ion:228 Resp: 49990

Ion Ratio Lower Upper

228 100

226 30.9 25.0 37.6

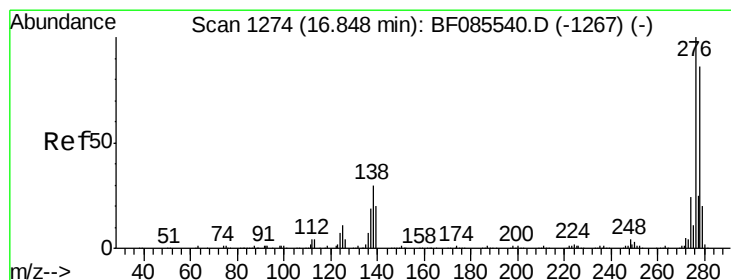
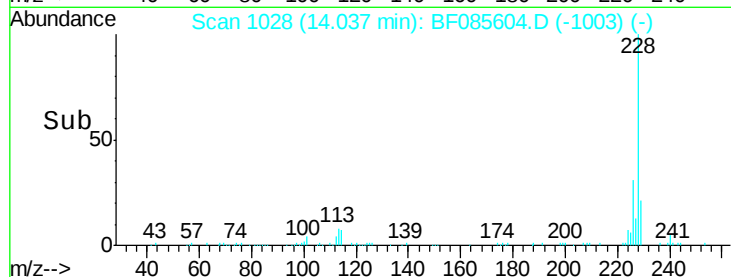
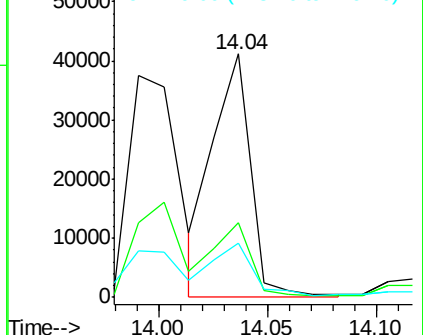
229 22.1 15.7 23.5



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: 2.52 ng

RT: 16.83 min Scan# 1272

Delta R.T. -0.02 min

Lab File: BF085604.D

Acq: 20 Mar 2016 8:02

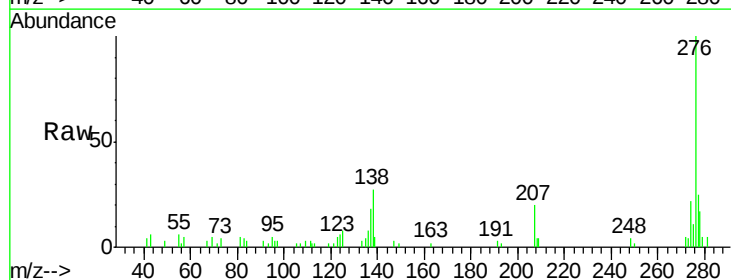
Tgt Ion:276 Resp: 34748

Ion Ratio Lower Upper

276 100

138 26.8 24.2 36.4

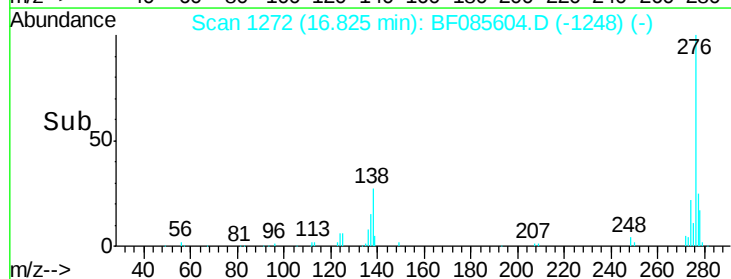
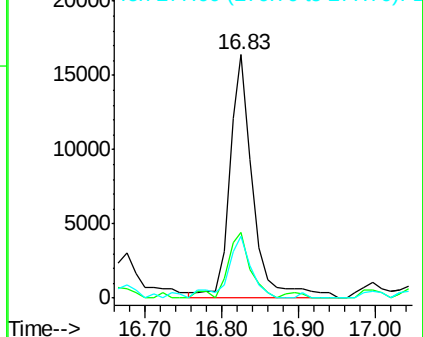
277 27.3 20.0 30.0

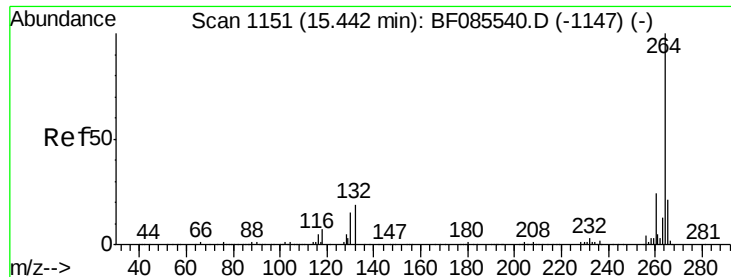


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

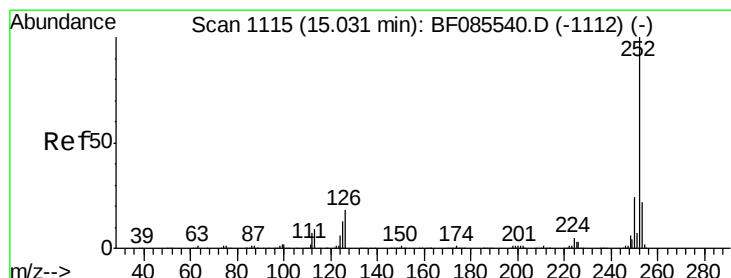
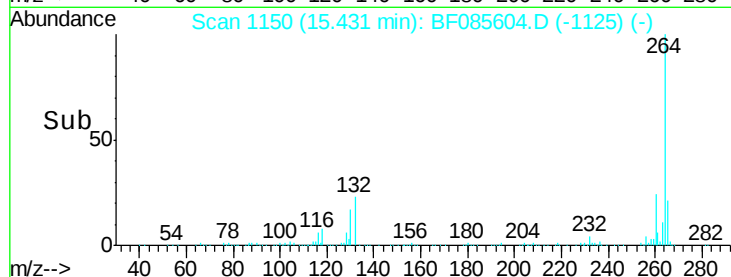
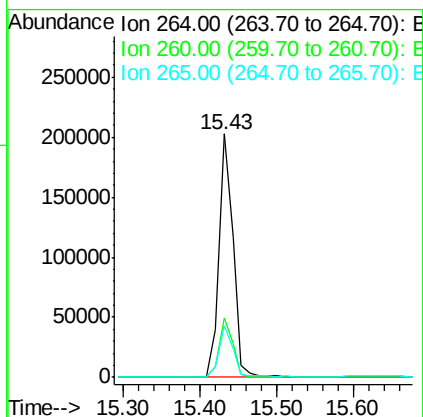
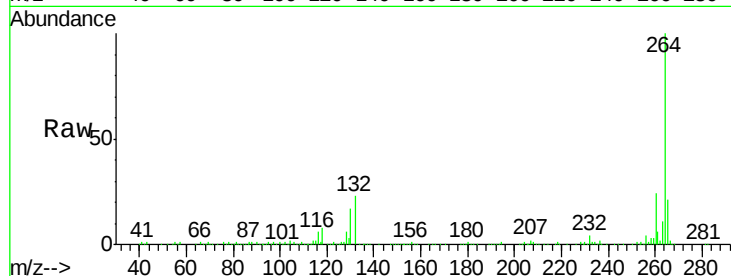




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF085604.D
Acq: 20 Mar 2016 8:02

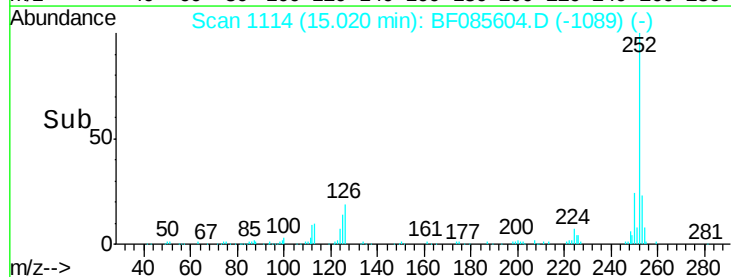
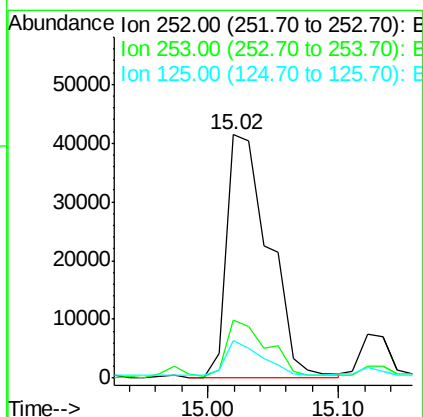
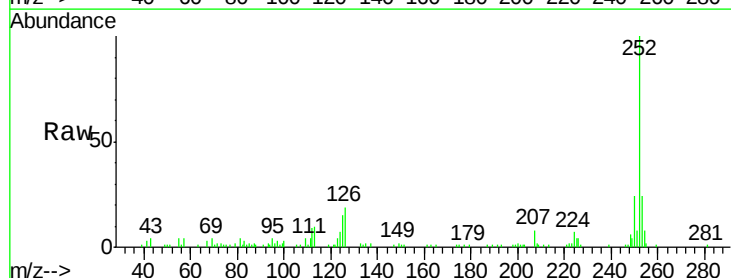
Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

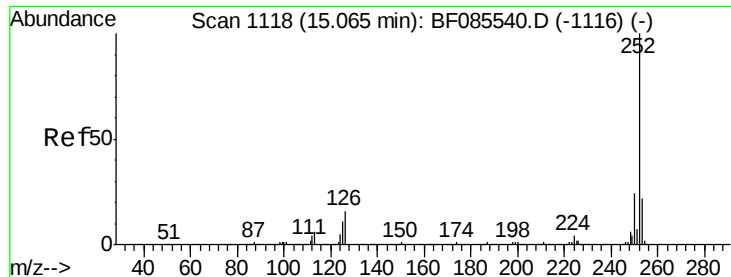
Tgt Ion: 264 Resp: 261339
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.2
265 21.4 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 5.47 ng
RT: 15.02 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BF085604.D
Acq: 20 Mar 2016 8:02

Tgt Ion: 252 Resp: 93206
Ion Ratio Lower Upper
252 100
253 23.8 17.6 26.4
125 15.2 10.3 15.5

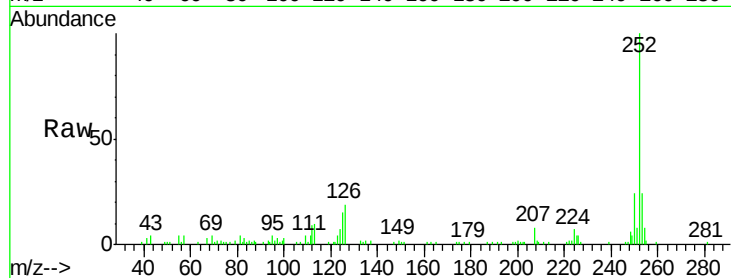




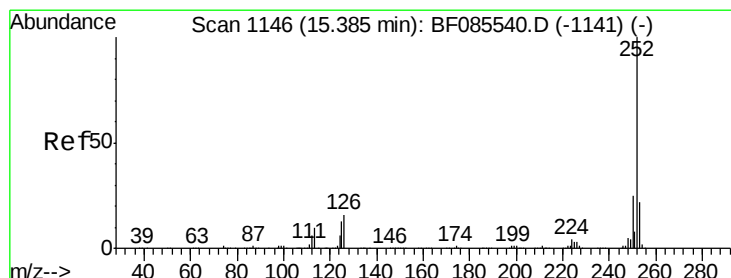
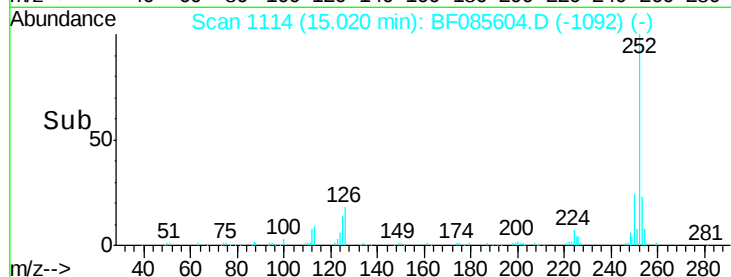
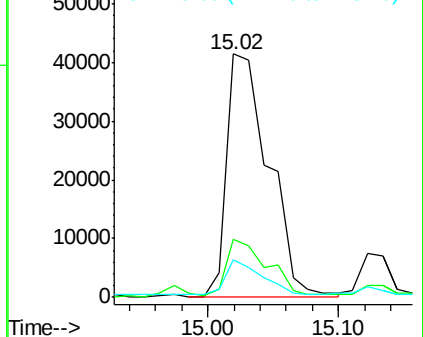
#88
Benzo(k)fluoranthene
Concen: 6.63 ng
RT: 15.02 min Scan# 1114
Delta R.T. -0.05 min
Lab File: BF085604.D
Acq: 20 Mar 2016 8:02

Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

Tgt Ion:252 Resp: 93206
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.6
125 15.2 7.7 11.5#

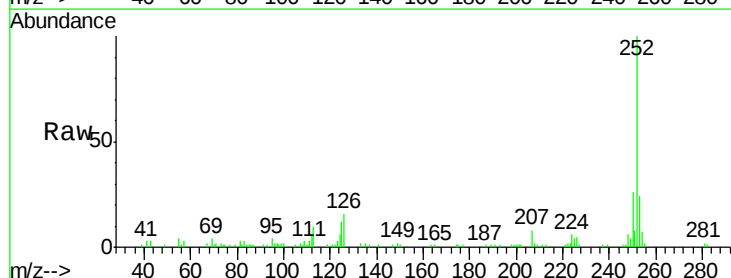


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

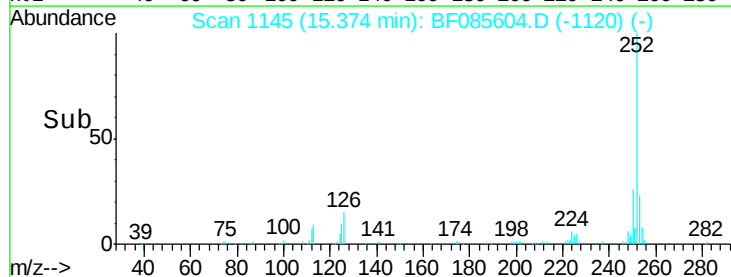
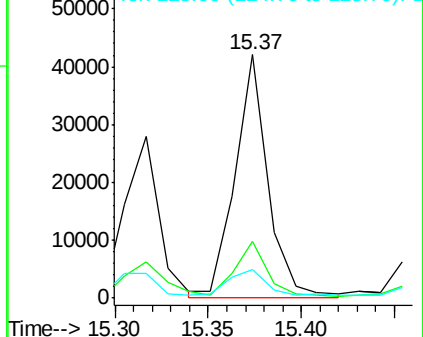


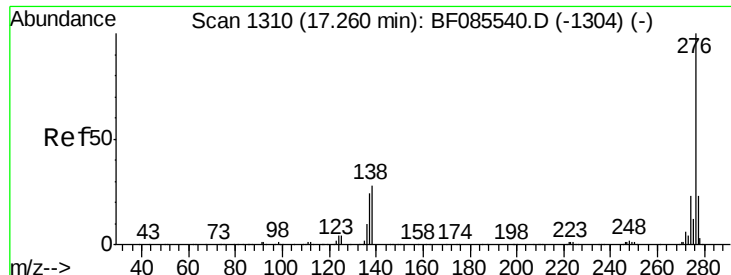
#89
Benzo(a)pyrene
Concen: 3.60 ng
RT: 15.37 min Scan# 1145
Delta R.T. -0.01 min
Lab File: BF085604.D
Acq: 20 Mar 2016 8:02

Tgt Ion:252 Resp: 52091
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 11.6 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: 3.06 ng

RT: 17.25 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF085604.D

Acq: 20 Mar 2016 8:02

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

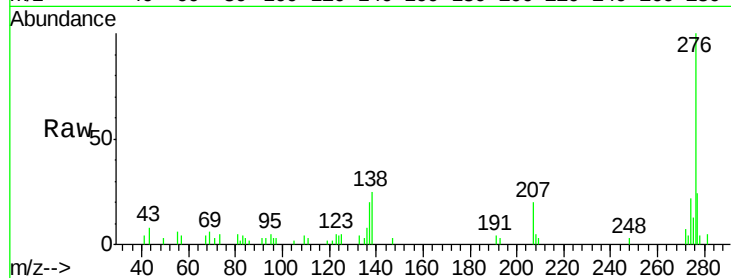
Tgt Ion: 276 Resp: 35734

Ion Ratio Lower Upper

276 100

277 23.7 18.8 28.2

138 25.0 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

