

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031716\
 Data File : BF085512.D
 Acq On : 18 Mar 2016 1:05
 Operator : UM/SJ
 Sample : H1774-08
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-32-COMP

Quant Time: Mar 18 02:04:21 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 15 18:57:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	141586	20.00	ng	-0.03
21) Naphthalene-d8	8.16	136	603226	20.00	ng	-0.05
38) Acenaphthene-d10	9.91	164	250597	20.00	ng	-0.05
63) Phenanthrene-d10	11.40	188	444063	20.00	ng	-0.05
75) Chrysene-d12	14.04	240	310264	20.00	ng	-0.05
86) Perylene-d12	15.48	264	289524	20.00	ng	-0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1319631	160.21	ng	-0.02
7) Phenol-d6	6.52	99	1597561	149.52	ng	-0.03
23) Nitrobenzene-d5	7.44	82	902927	88.50	ng	-0.05
41) 2,4,6-Tribromophenol	10.71	330	393427	170.45	ng	-0.05
44) 2-Fluorobiphenyl	9.24	172	1475518	102.15	ng	-0.05
78) Terphenyl-d14	12.98	244	1062285	77.45	ng	-0.05

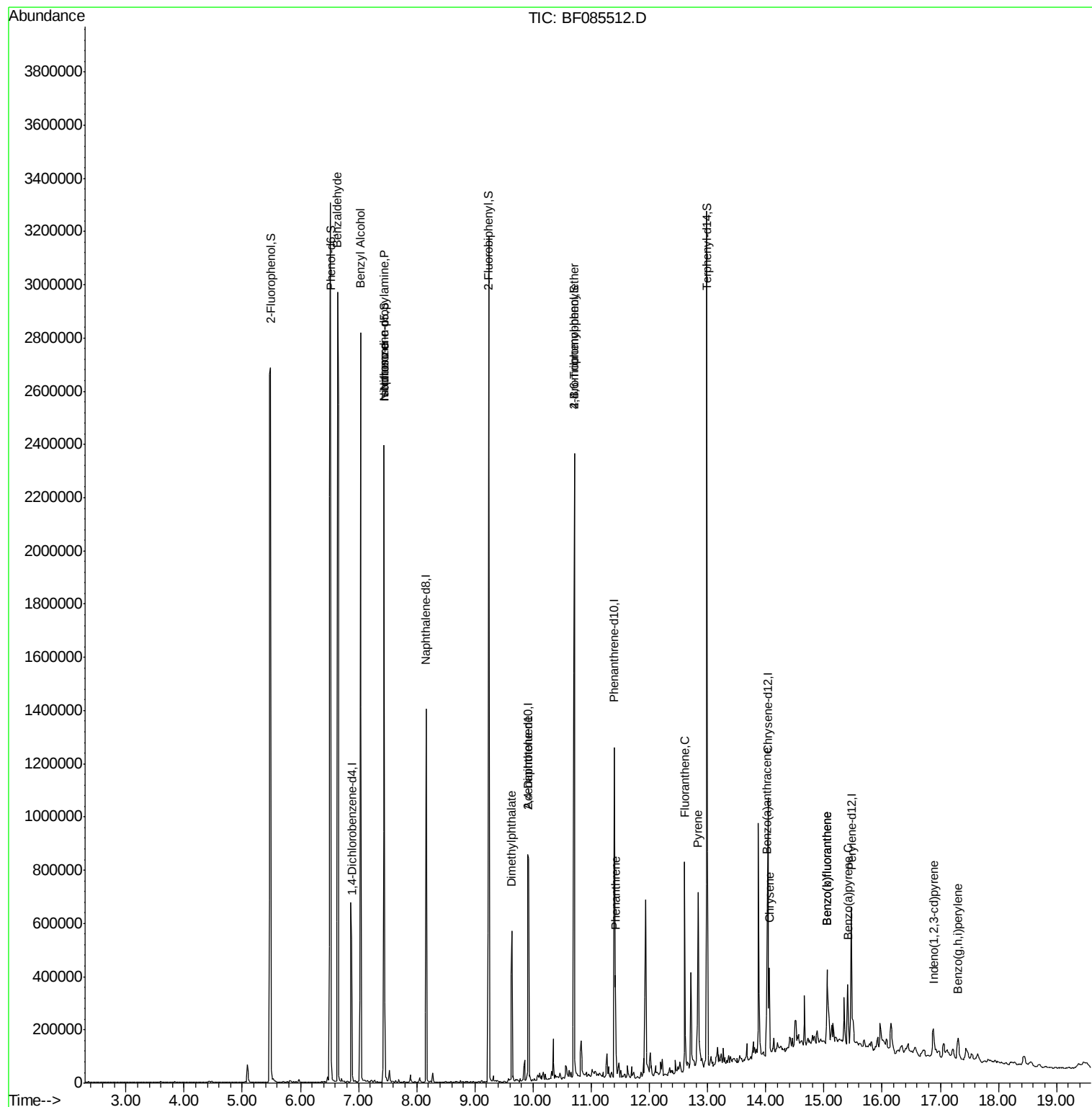
Target Compounds						Qvalue
9) Benzaldehyde	6.64	77	28321	4.75	ng	80
15) Benzyl Alcohol	7.03	79	15337	2.01	ng	# 48
19) n-Nitroso-di-n-propylamine	7.44	70	120735	18.87	ng	# 77
25) Isophorone	7.44	82	658056	31.63	ng	# 67
49) Dimethylphthalate	9.64	163	311221	17.02	ng	98
56) 2,4-Dinitrotoluene	9.91	165	31786	6.27	ng	# 22
66) 4-Bromophenyl-phenylether	10.71	248	25916	5.77	ng	# 1
70) Phenanthrene	11.42	178	138180	5.97	ng	97
74) Fluoranthene	12.61	202	289017	13.29	ng	98
77) Pyrene	12.84	202	252315	10.84	ng	98
80) Benzo(a)anthracene	14.03	228	107233	6.03	ng	98
82) Chrysene	14.06	228	121957	7.62	ng	98
85) Indeno(1,2,3-cd)pyrene	16.88	276	70867	4.67	ng	93
87) Benzo(b)fluoranthene	15.05	252	205688	10.88	ng	98
88) Benzo(k)fluoranthene	15.05	252	205688	13.89	ng	97
89) Benzo(a)pyrene	15.41	252	99464	6.09	ng	# 95
91) Benzo(g,h,i)perylene	17.31	276	66262	4.07	ng	99

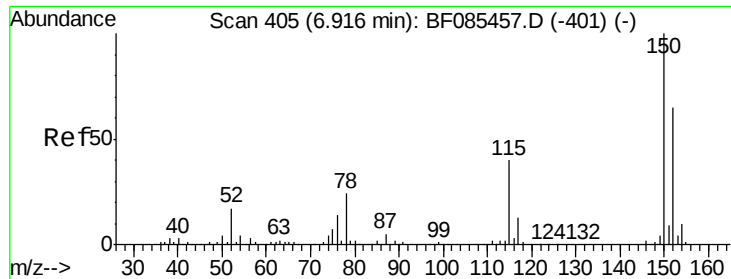
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 402

Delta R.T. -0.03 min

Lab File: BF085512.D

Acq: 18 Mar 2016 1:05

Instrument :

BNA_F

ClientSampleId :

SB-32-COMP

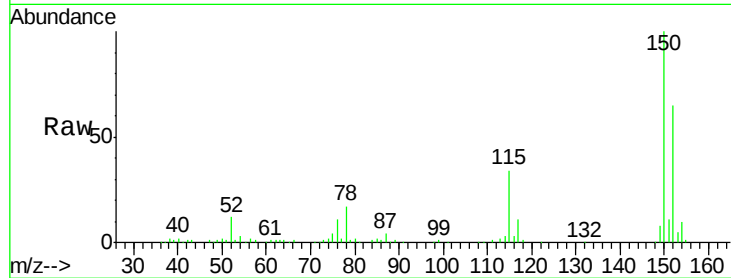
Tgt Ion:152 Resp: 141586

Ion Ratio Lower Upper

152 100

150 154.3 124.6 186.8

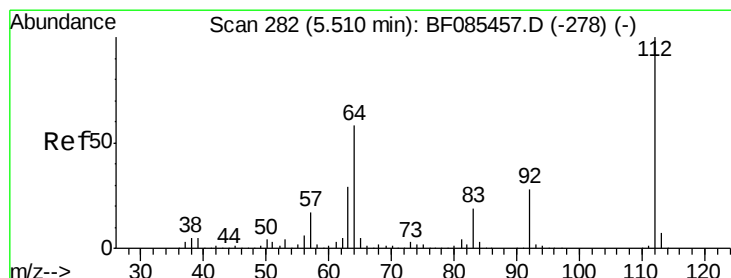
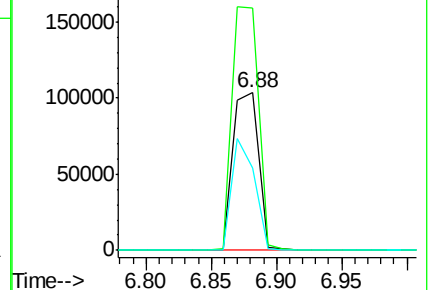
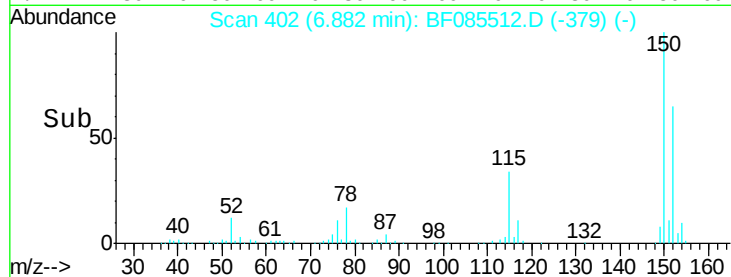
115 52.0 46.6 70.0



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: 160.21 ng

RT: 5.49 min Scan# 280

Delta R.T. -0.02 min

Lab File: BF085512.D

Acq: 18 Mar 2016 1:05

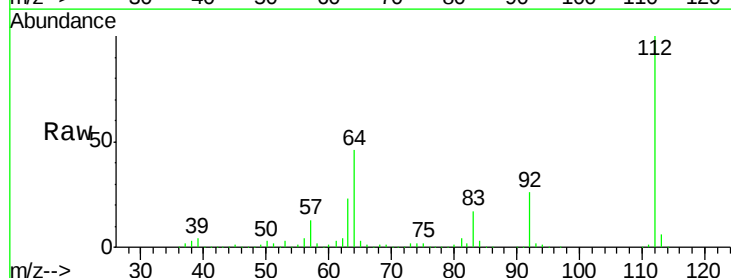
Tgt Ion:112 Resp: 1319631

Ion Ratio Lower Upper

112 100

64 45.7 49.0 73.4#

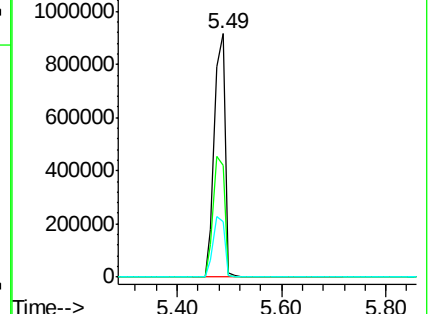
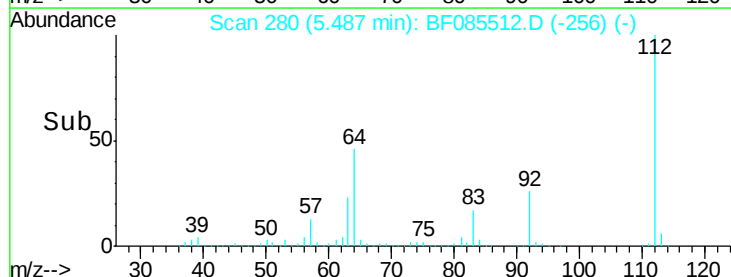
63 22.9 24.8 37.2#

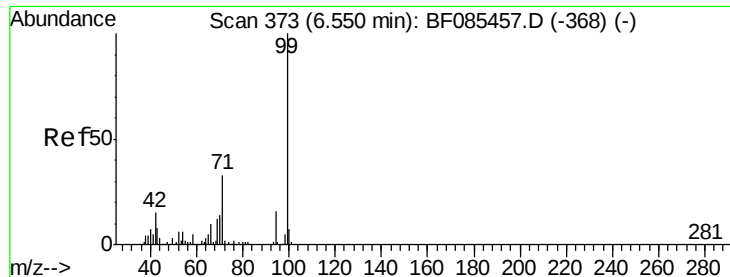


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 149.52 ng

RT: 6.52 min Scan# 370

Delta R.T. -0.03 min

Lab File: BF085512.D

Acq: 18 Mar 2016 1:05

Instrument :

BNA_F

ClientSampleId :

SB-32-COMP

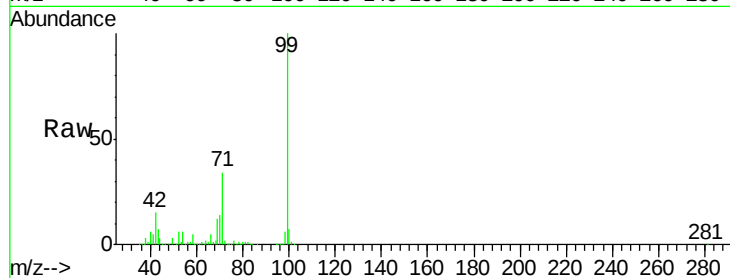
Tgt Ion: 99 Resp: 1597561

Ion Ratio Lower Upper

99 100

42 15.2 13.6 20.4

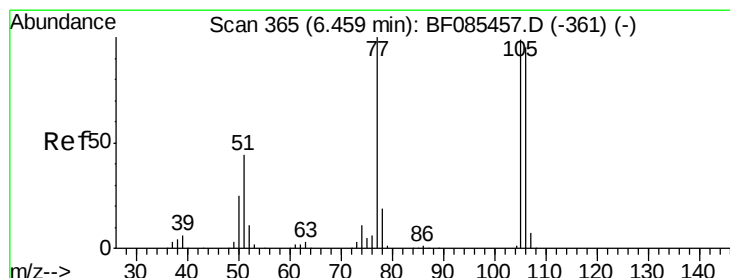
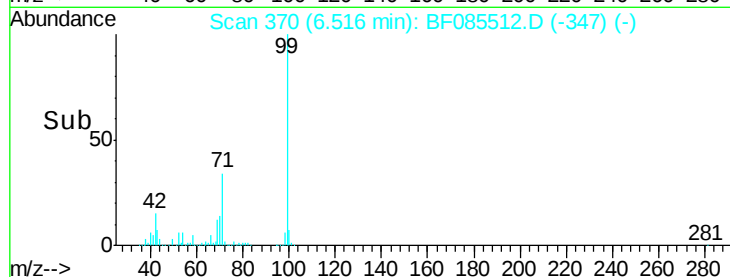
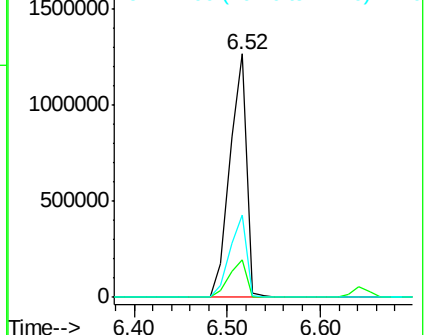
71 33.9 26.7 40.1



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: 4.75 ng

RT: 6.64 min Scan# 381

Delta R.T. 0.18 min

Lab File: BF085512.D

Acq: 18 Mar 2016 1:05

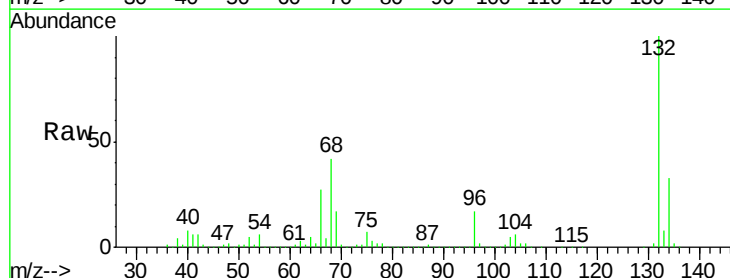
Tgt Ion: 77 Resp: 28321

Ion Ratio Lower Upper

77 100

105 78.9 78.2 118.2

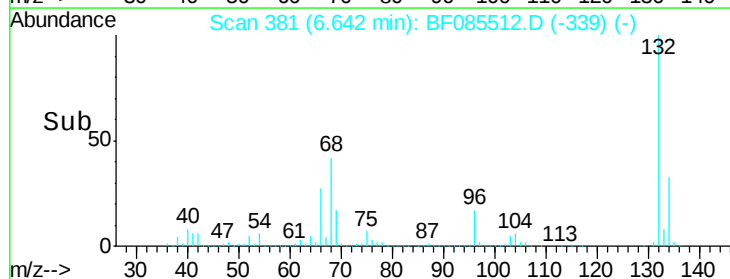
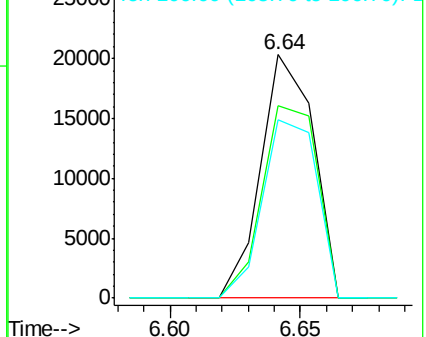
106 73.0 72.9 112.9

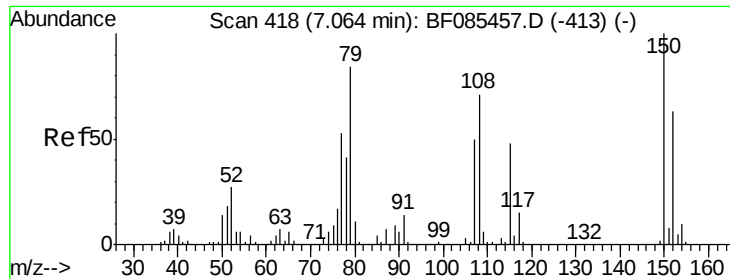


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

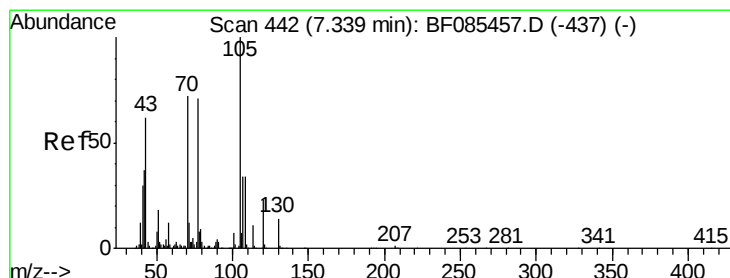
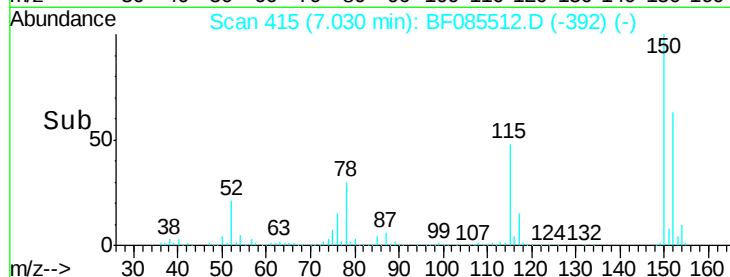
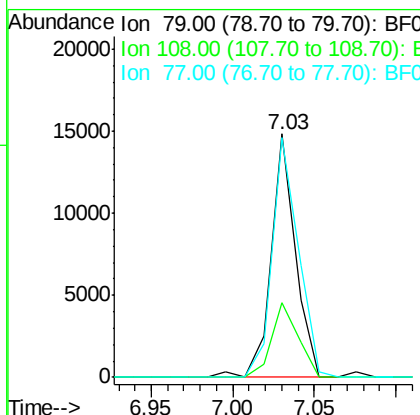
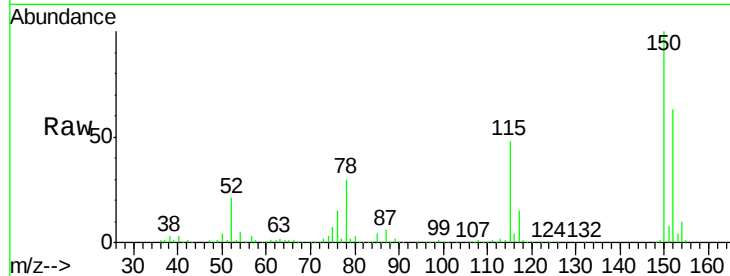




#15
Benzyl Alcohol
Concen: 2.01 ng
RT: 7.03 min Scan# 415
Delta R.T. -0.03 min
Lab File: BF085512.D
Acq: 18 Mar 2016 1:05

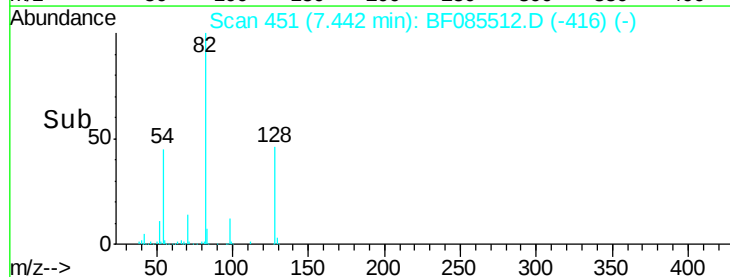
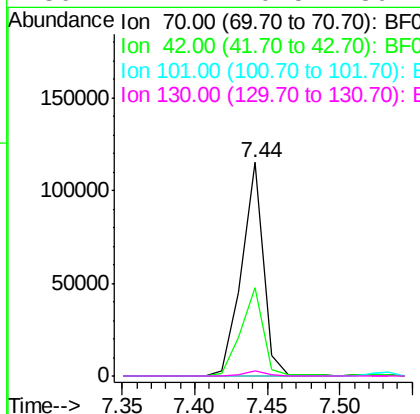
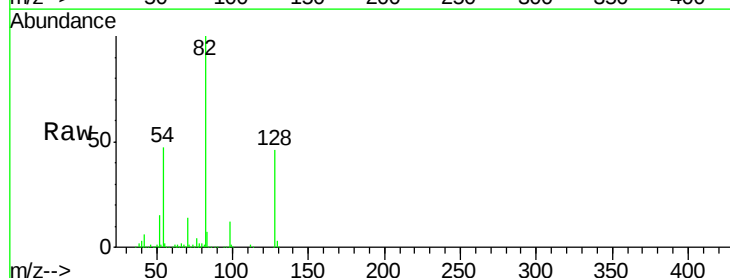
Instrument :
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SB-32-COMP

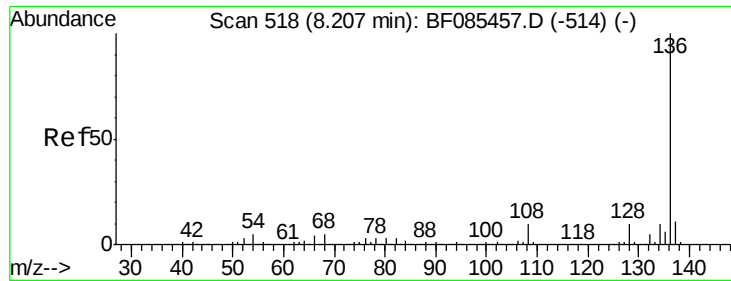
Tgt Ion: 79 Resp: 15337
Ion Ratio Lower Upper
79 100
108 30.5 62.9 94.3#
77 98.5 49.5 74.3#



#19
n-Nitroso-di-n-propylamine
Concen: 18.87 ng
RT: 7.44 min Scan# 451
Delta R.T. 0.10 min
Lab File: BF085512.D
Acq: 18 Mar 2016 1:05

Tgt Ion: 70 Resp: 120735
Ion Ratio Lower Upper
70 100
42 41.4 37.7 56.5
101 0.0 8.2 12.4#
130 2.2 20.5 30.7#

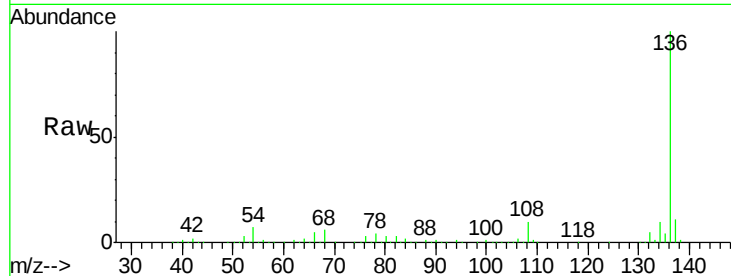




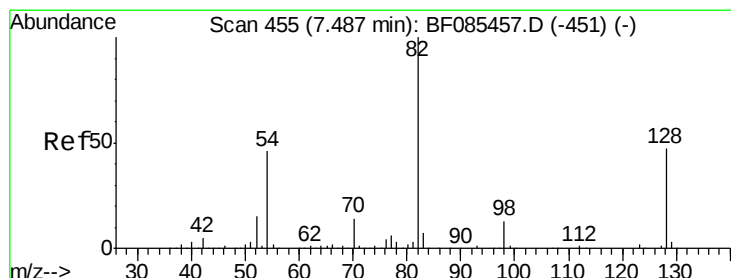
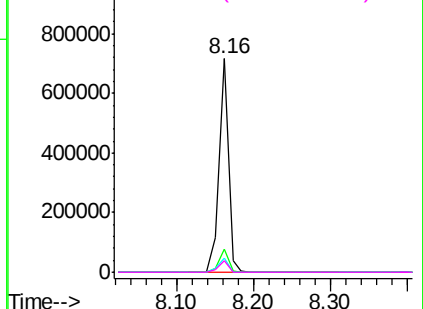
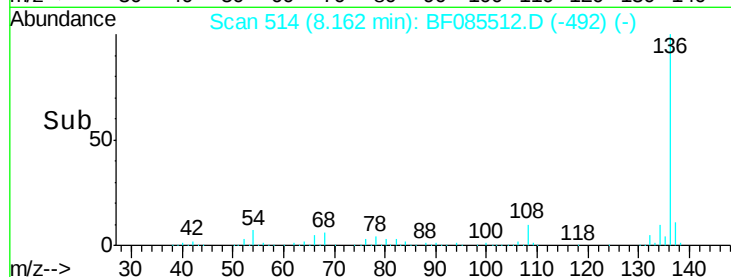
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 514
Delta R.T. -0.05 min
Lab File: BF085512.D
Acq: 18 Mar 2016 1:05

Instrument :
BNA_F
ClientSampleId :
SB-32-COMP

Tgt Ion: 136 Resp: 603226
Ion Ratio Lower Upper
136 100
137 10.8 9.3 13.9
54 6.5 7.4 11.2#
68 5.6 6.0 9.0#

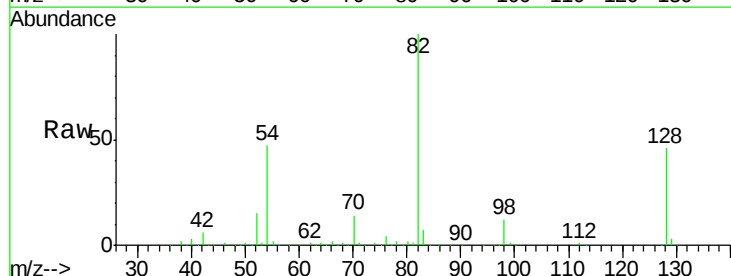


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

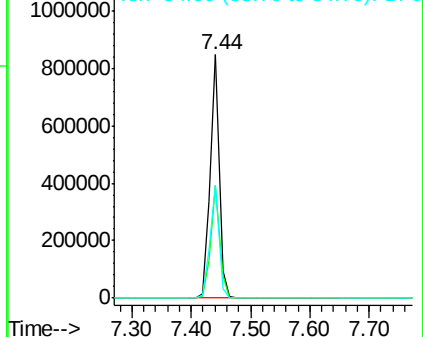
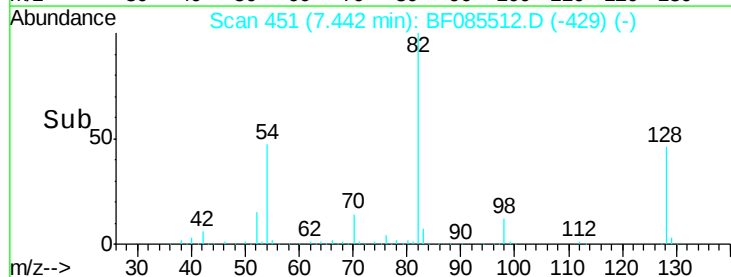


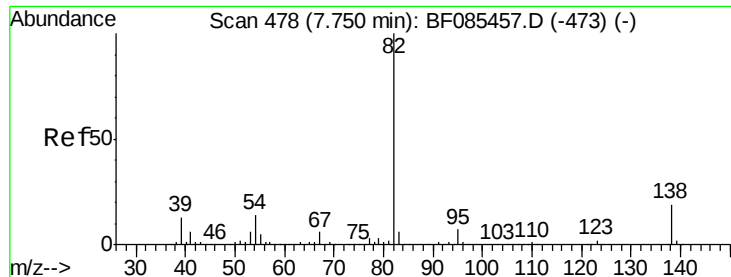
#23
Nitrobenzene-d5
Concen: 88.50 ng
RT: 7.44 min Scan# 451
Delta R.T. -0.05 min
Lab File: BF085512.D
Acq: 18 Mar 2016 1:05

Tgt Ion: 82 Resp: 902927
Ion Ratio Lower Upper
82 100
128 45.9 34.5 51.7
54 46.6 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: 31.63 ng

RT: 7.44 min Scan# 451

Delta R.T. -0.31 min

Lab File: BF085512.D

Acq: 18 Mar 2016 1:05

Instrument :

BNA_F

ClientSampleId :

SB-32-COMP

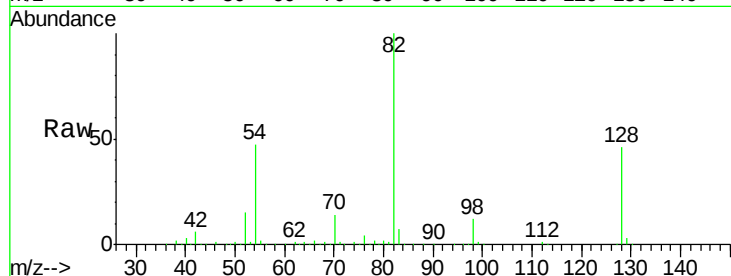
Tgt Ion: 82 Resp: 658056

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

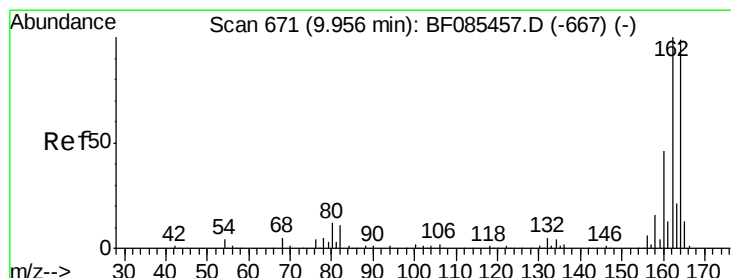
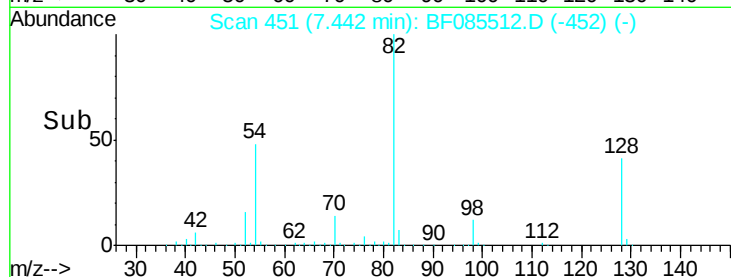
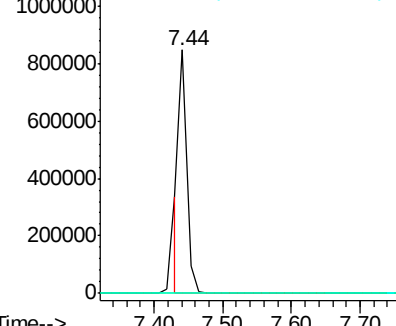
138 0.0 13.3 19.9#



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: 9.91 min Scan# 667

Delta R.T. -0.05 min

Lab File: BF085512.D

Acq: 18 Mar 2016 1:05

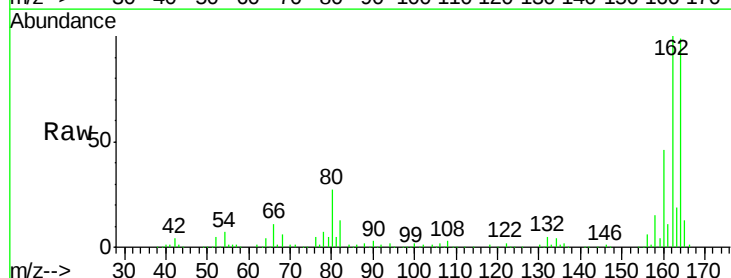
Tgt Ion: 164 Resp: 250597

Ion Ratio Lower Upper

164 100

162 101.3 83.3 124.9

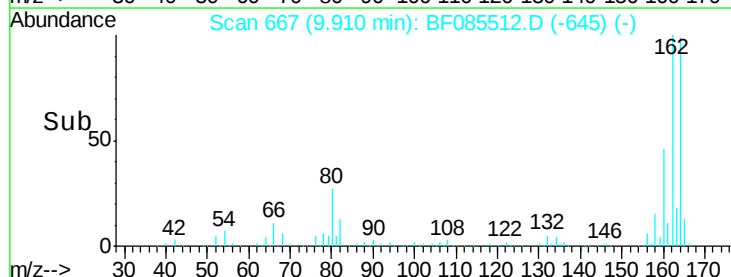
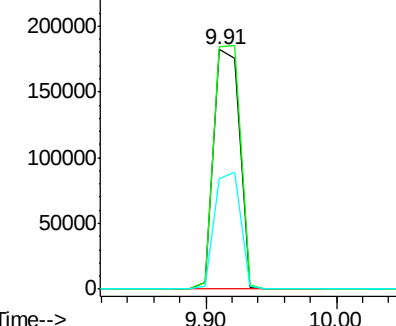
160 46.3 37.9 56.9

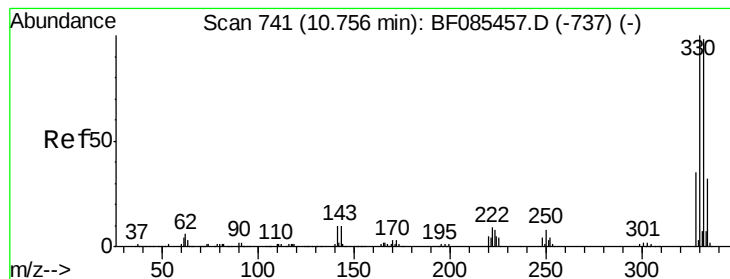


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

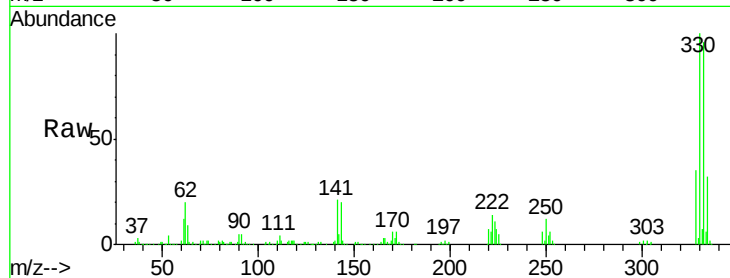




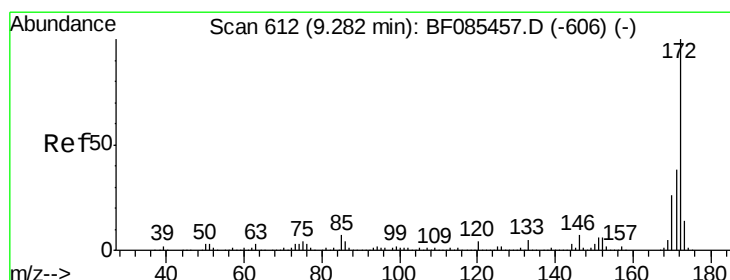
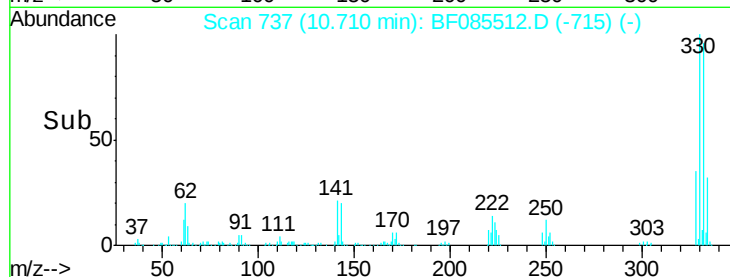
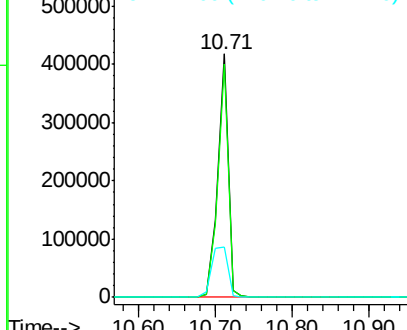
#41
 2,4,6-Tribromophenol
 Concen: 170.45 ng
 RT: 10.71 min Scan# 737
 Delta R.T. -0.05 min
 Lab File: BF085512.D
 Acq: 18 Mar 2016 1:05

Instrument :
 BNA_F
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 SB-32-COMP

Tgt Ion:330 Resp: 393427
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.1 115.7
 141 32.5 35.0 52.6#

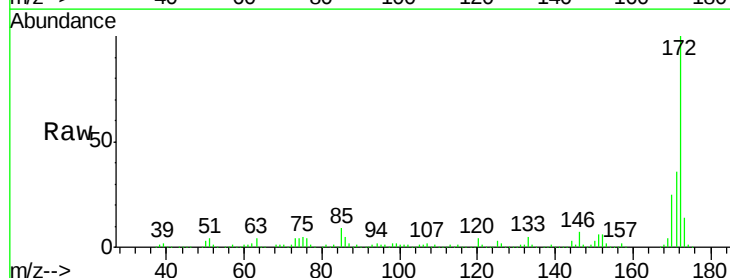


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

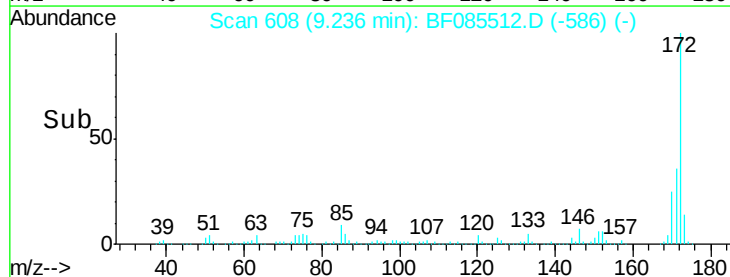
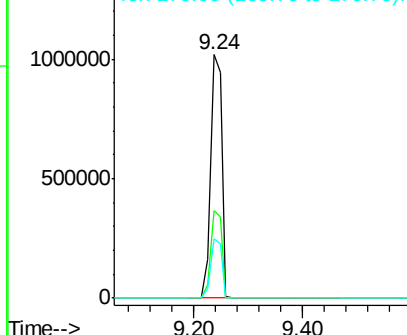


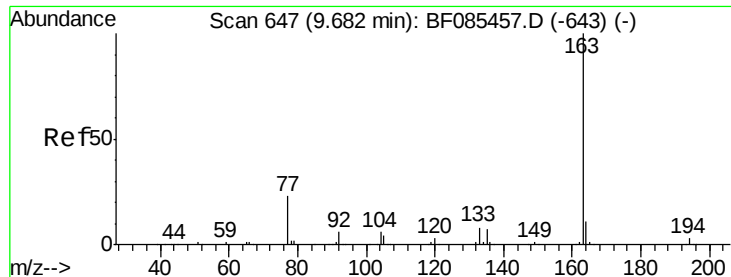
#44
 2-Fluorobiphenyl
 Concen: 102.15 ng
 RT: 9.24 min Scan# 608
 Delta R.T. -0.05 min
 Lab File: BF085512.D
 Acq: 18 Mar 2016 1:05

Tgt Ion:172 Resp: 1475518
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.3 43.9
 170 24.6 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

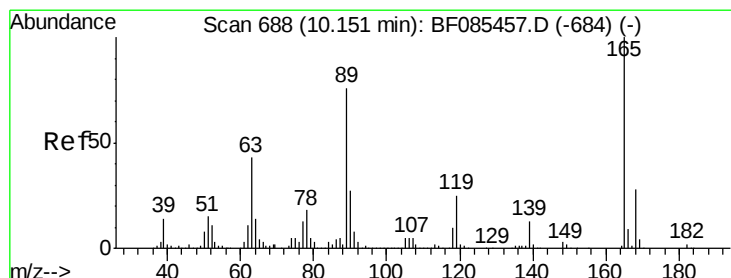
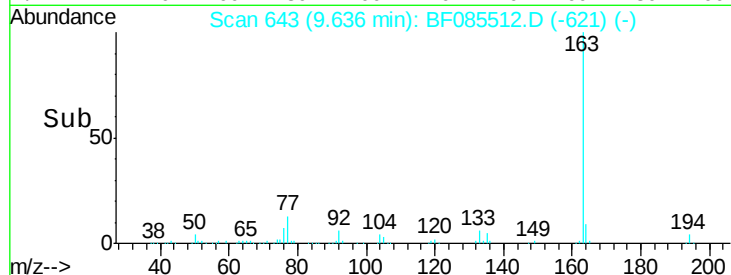
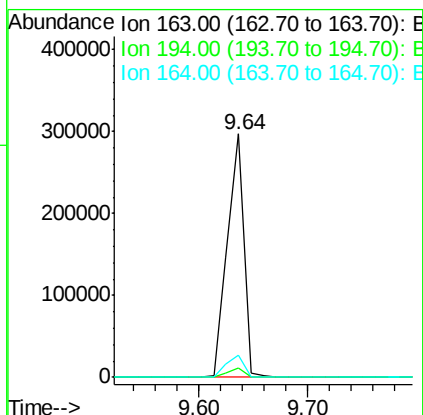
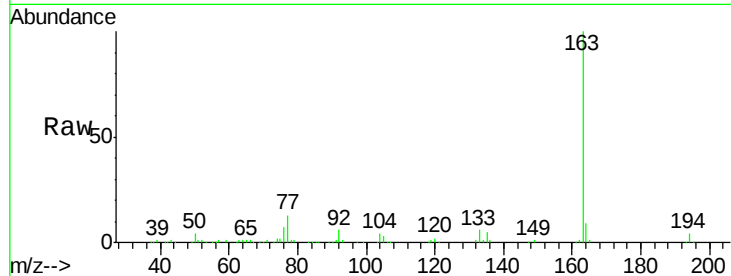




#49
Dimethylphthalate
Concen: 17.02 ng
RT: 9.64 min Scan# 643
Delta R.T. -0.05 min
Lab File: BF085512.D
Acq: 18 Mar 2016 1:05

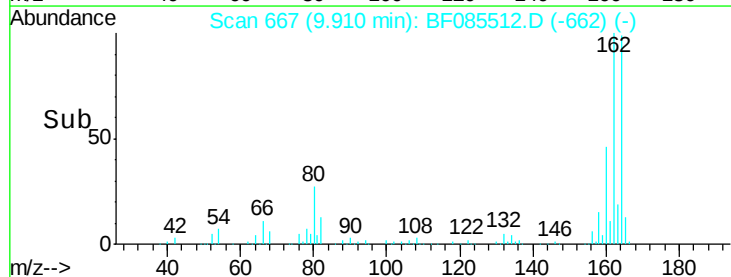
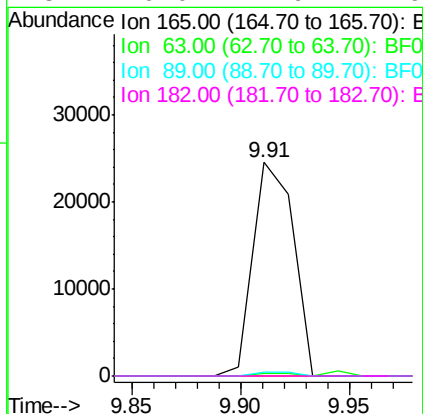
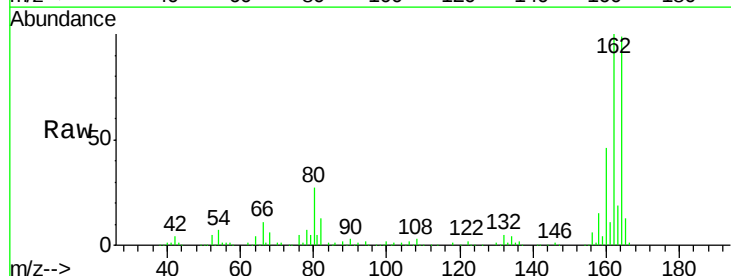
Instrument :
BNA_F
ClientSampleId :
SB-32-COMP

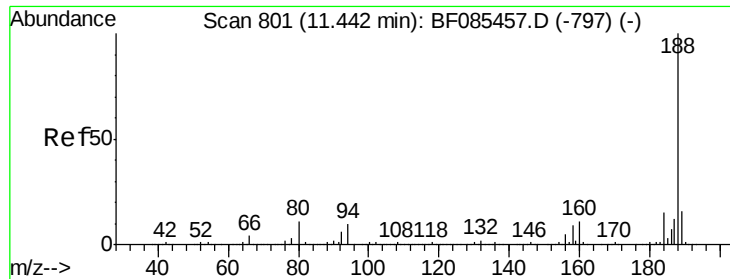
Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	9.3	8.2	12.4



#56
2,4-Dinitrotoluene
Concen: 6.27 ng
RT: 9.91 min Scan# 667
Delta R.T. -0.24 min
Lab File: BF085512.D
Acq: 18 Mar 2016 1:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	35.4	53.0#
89	1.6	61.9	92.9#
182	0.0	1.9	2.9#

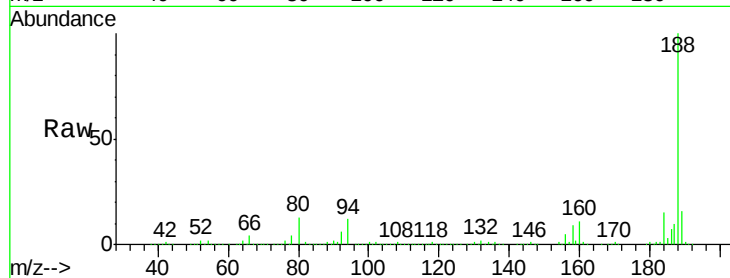




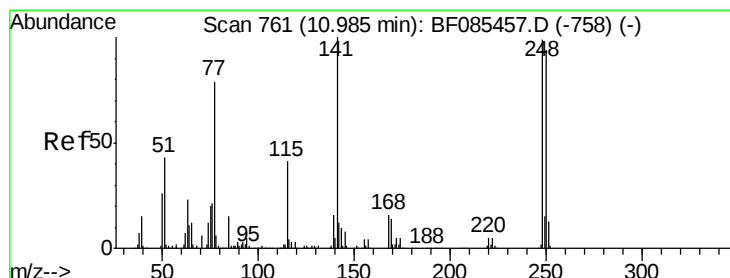
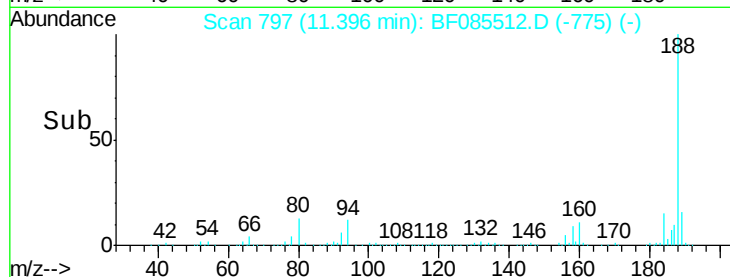
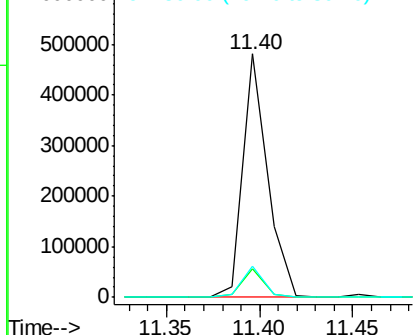
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 797
Delta R.T. -0.05 min
Lab File: BF085512.D
Acq: 18 Mar 2016 1:05

Instrument :
BNA_F
ClientSampleId :
SB-32-COMP

Tgt Ion:188 Resp: 444063
Ion Ratio Lower Upper
188 100
94 12.0 7.0 10.6#
80 12.7 7.4 11.0#

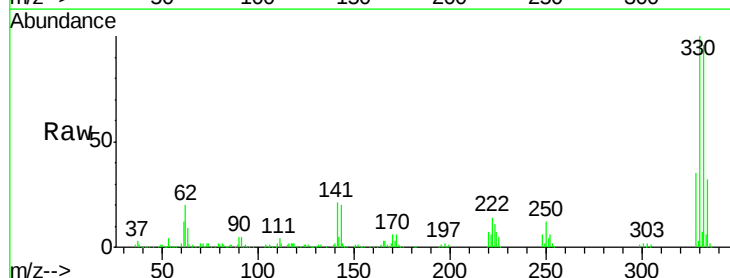


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

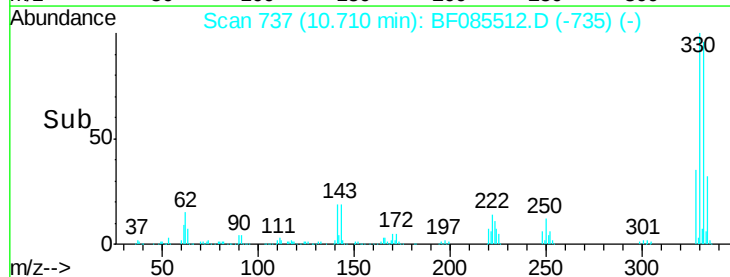
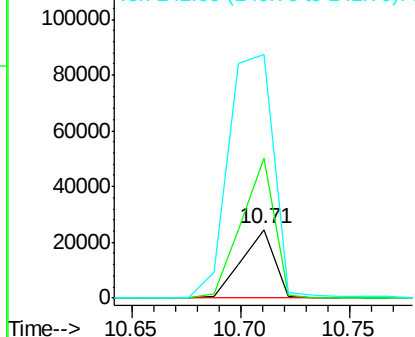


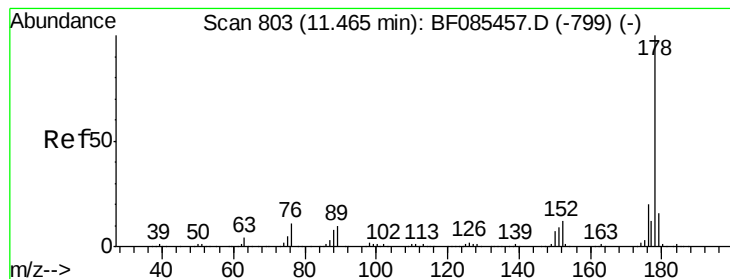
#66
4-Bromophenyl-phenylether
Concen: 5.77 ng
RT: 10.71 min Scan# 737
Delta R.T. -0.27 min
Lab File: BF085512.D
Acq: 18 Mar 2016 1:05

Tgt Ion:248 Resp: 25916
Ion Ratio Lower Upper
248 100
250 204.7 77.1 115.7#
141 356.3 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





#70

Phenanthrene

Concen: 5.97 ng

RT: 11.42 min Scan# 799

Delta R.T. -0.05 min

Lab File: BF085512.D

Acq: 18 Mar 2016 1:05

Instrument :

BNA_F

ClientSampleId :

SB-32-COMP

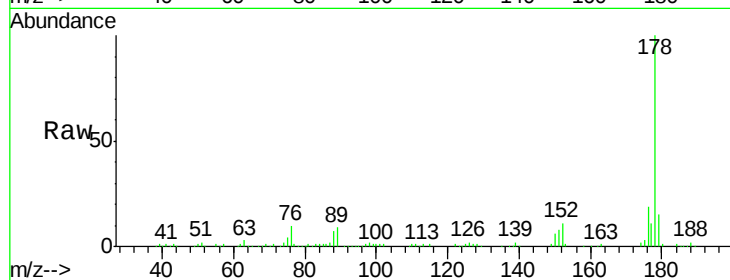
Tgt Ion:178 Resp: 138180

Ion Ratio Lower Upper

178 100

176 19.2 16.8 25.2

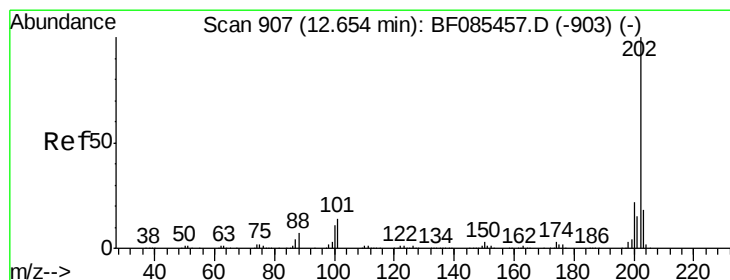
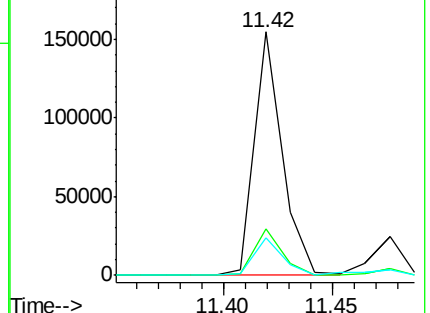
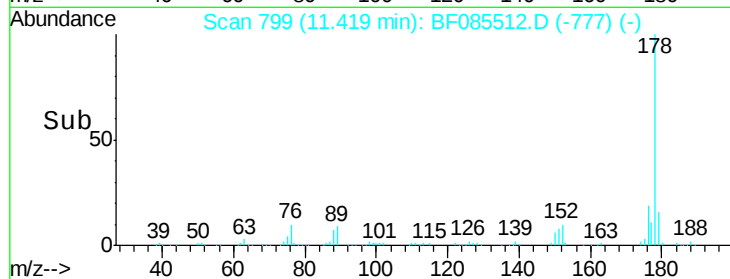
179 15.5 13.1 19.7



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: 13.29 ng

RT: 12.61 min Scan# 903

Delta R.T. -0.05 min

Lab File: BF085512.D

Acq: 18 Mar 2016 1:05

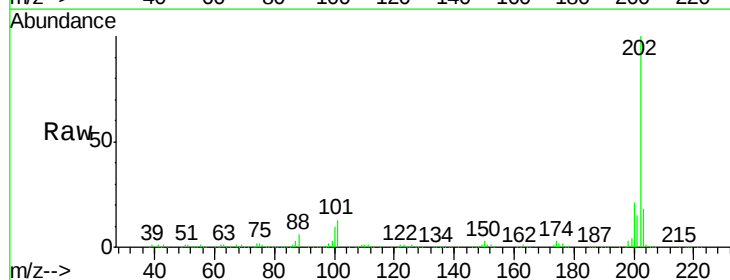
Tgt Ion:202 Resp: 289017

Ion Ratio Lower Upper

202 100

101 13.2 0.0 31.8

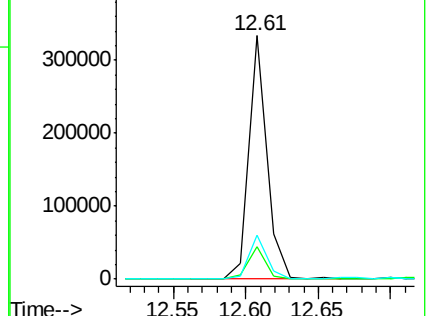
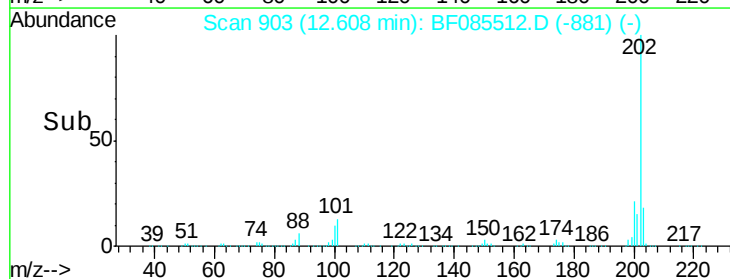
203 18.0 0.0 38.4

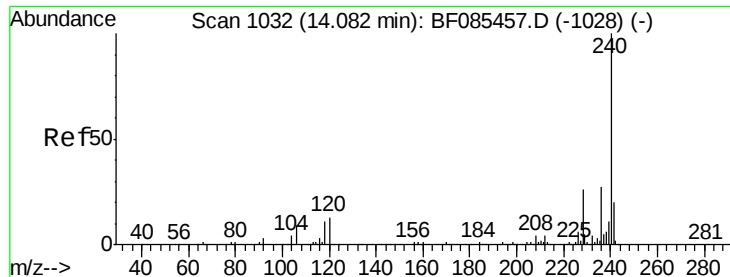


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.04 min Scan# 1028

Delta R.T. -0.05 min

Lab File: BF085512.D

Acq: 18 Mar 2016 1:05

Instrument :

BNA_F

ClientSampleId :

SB-32-COMP

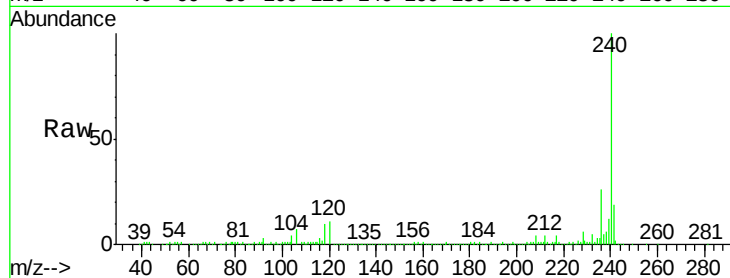
Tgt Ion:240 Resp: 310264

Ion Ratio Lower Upper

240 100

120 11.0 5.3 7.9#

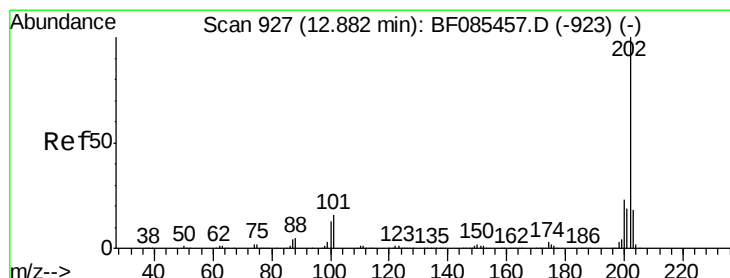
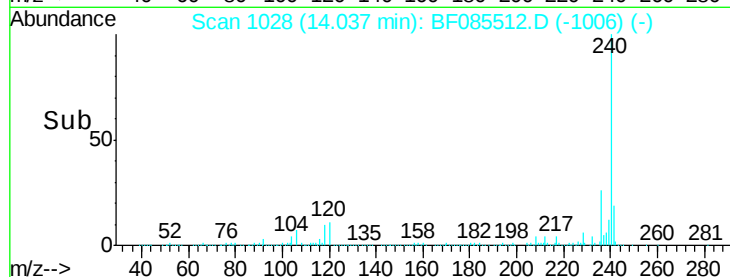
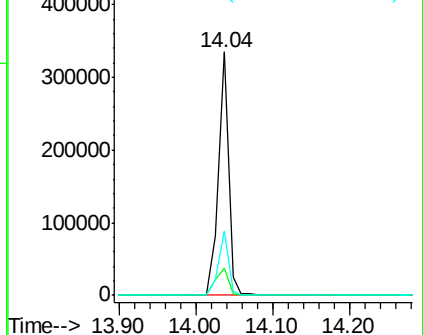
236 26.3 20.7 31.1



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: 10.84 ng

RT: 12.84 min Scan# 923

Delta R.T. -0.05 min

Lab File: BF085512.D

Acq: 18 Mar 2016 1:05

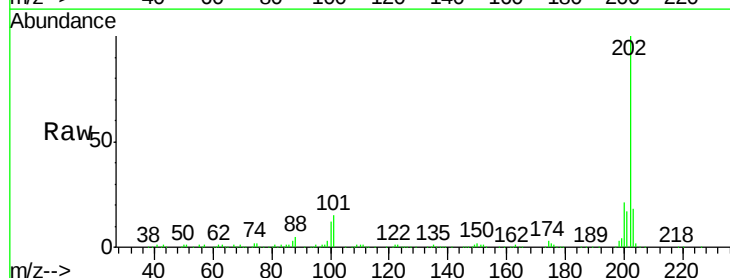
Tgt Ion:202 Resp: 252315

Ion Ratio Lower Upper

202 100

200 21.2 18.2 27.4

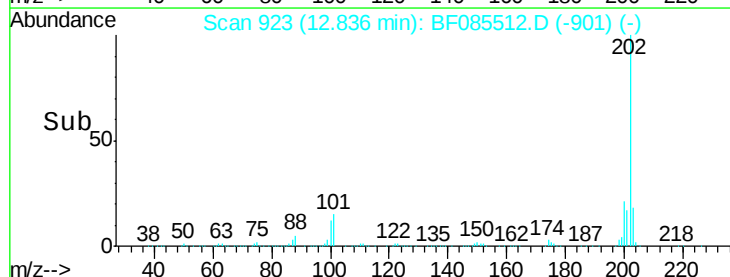
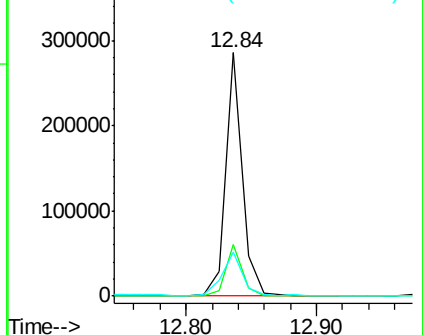
203 18.0 14.7 22.1

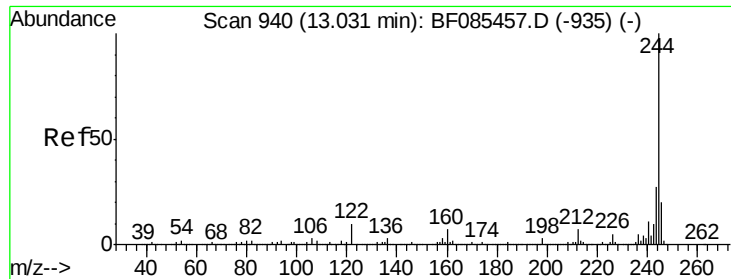


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

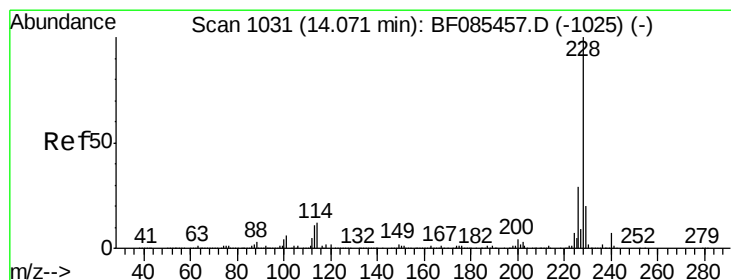
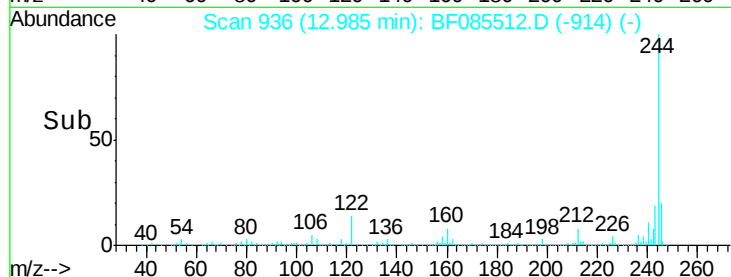
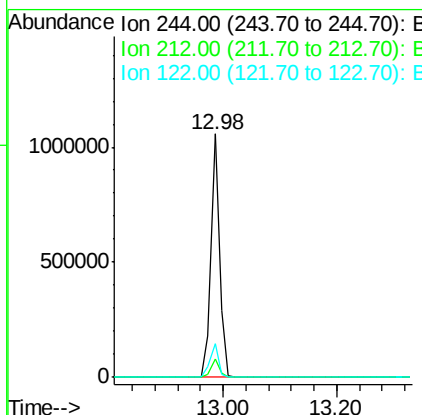
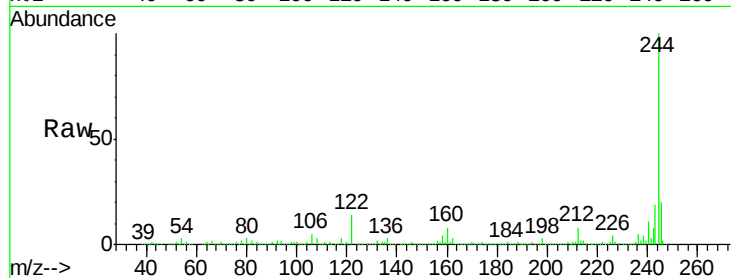




#78
 Terphenyl-d14
 Concen: 77.45 ng
 RT: 12.98 min Scan# 936
 Delta R.T. -0.05 min
 Lab File: BF085512.D
 Acq: 18 Mar 2016 1:05

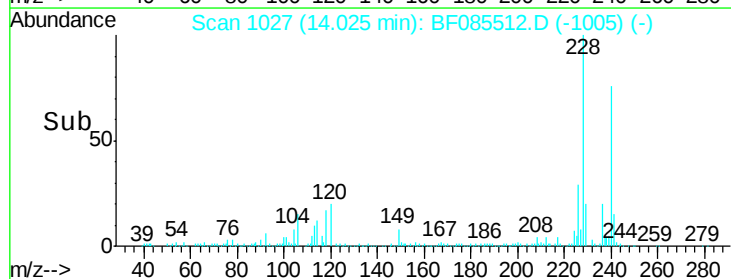
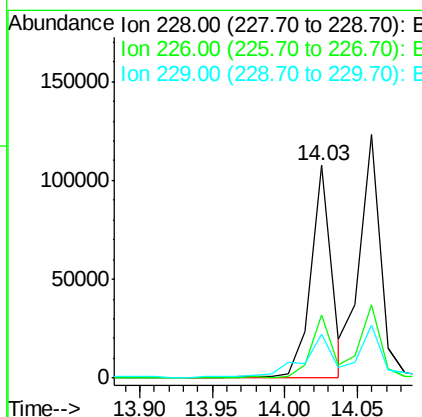
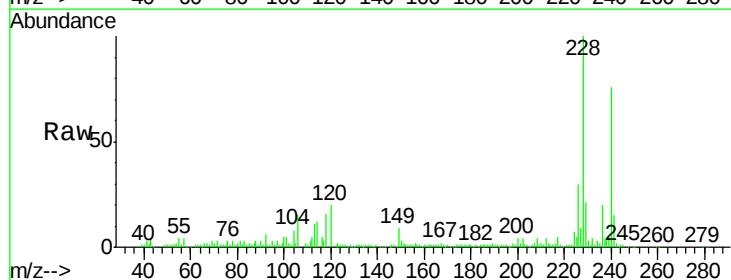
Instrument :
 BNA_F
 ClientSampled :
 SB-32-COMP

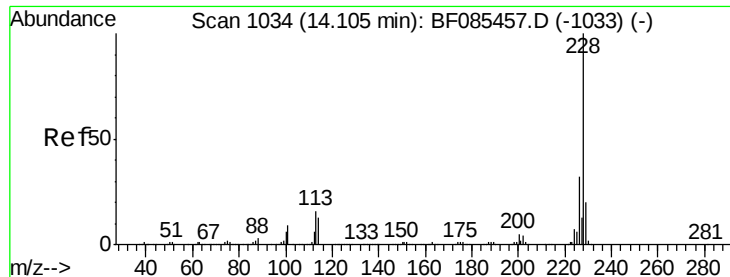
Tgt Ion:244 Resp: 1062285
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.4 9.6
 122 13.7 11.4 17.2



#80
 Benzo(a)anthracene
 Concen: 6.03 ng
 RT: 14.03 min Scan# 1027
 Delta R.T. -0.05 min
 Lab File: BF085512.D
 Acq: 18 Mar 2016 1:05

Tgt Ion:228 Resp: 107233
 Ion Ratio Lower Upper
 228 100
 226 29.8 22.8 34.2
 229 20.9 16.6 24.8





#82

Chrysene

Concen: 7.62 ng

RT: 14.06 min Scan# 1030

Delta R.T. -0.05 min

Lab File: BF085512.D

Acq: 18 Mar 2016 1:05

Instrument :

BNA_F

ClientSampleId :

SB-32-COMP

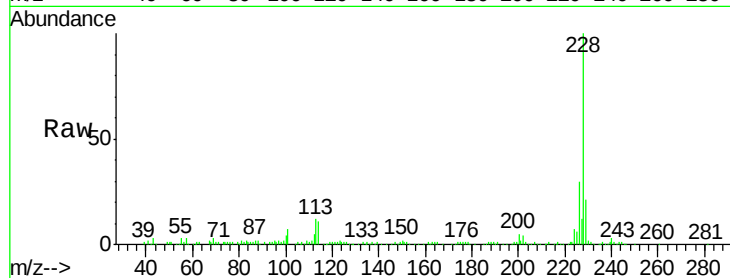
Tgt Ion:228 Resp: 121957

Ion Ratio Lower Upper

228 100

226 30.4 25.2 37.8

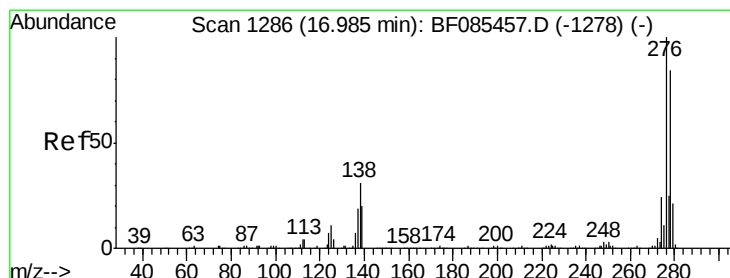
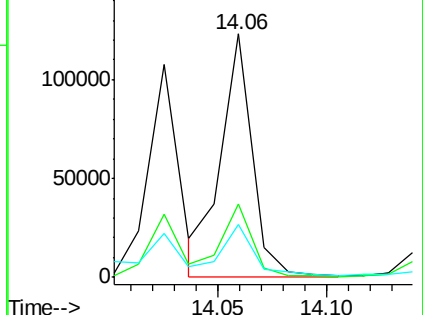
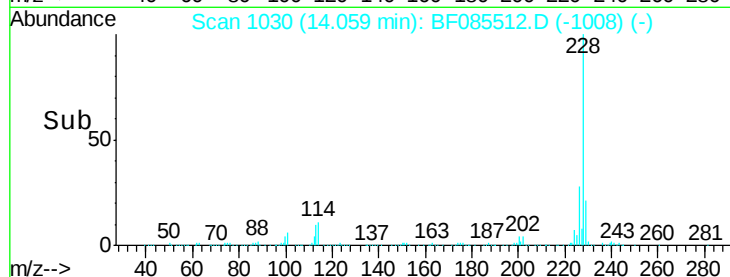
229 21.5 16.0 24.0



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: 4.67 ng

RT: 16.88 min Scan# 1277

Delta R.T. -0.10 min

Lab File: BF085512.D

Acq: 18 Mar 2016 1:05

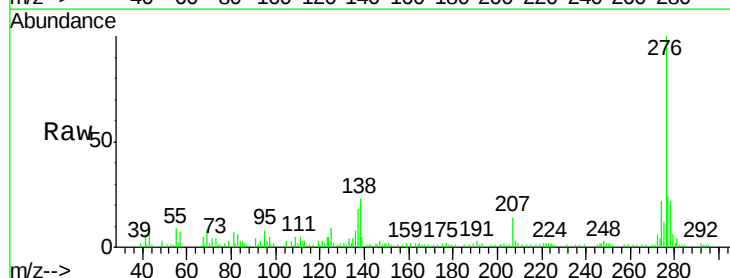
Tgt Ion:276 Resp: 70867

Ion Ratio Lower Upper

276 100

138 27.0 26.4 39.6

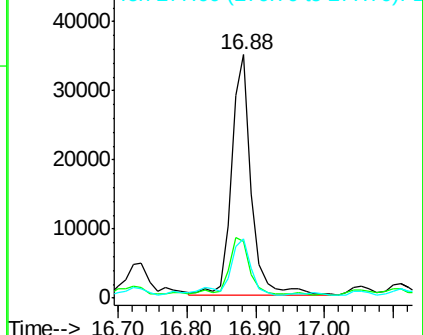
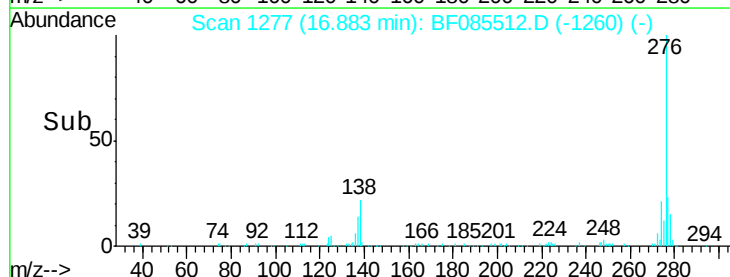
277 26.3 20.2 30.2

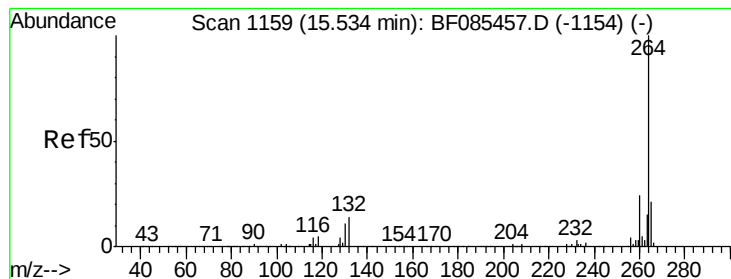


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.48 min Scan# 1154

Delta R.T. -0.06 min

Lab File: BF085512.D

Acq: 18 Mar 2016 1:05

Instrument :

BNA_F

ClientSampleId :

SB-32-COMP

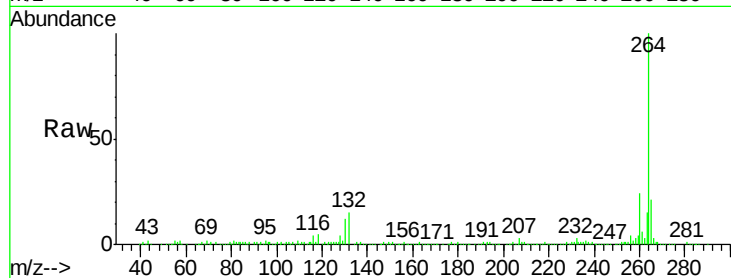
Tgt Ion: 264 Resp: 289524

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

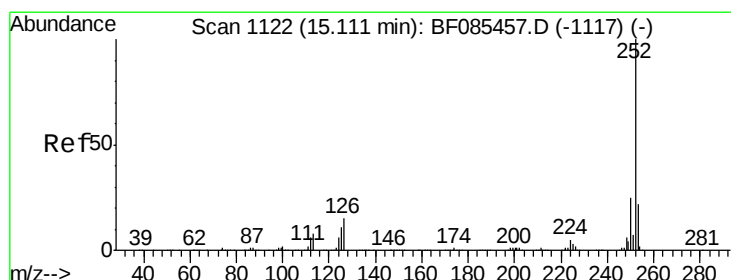
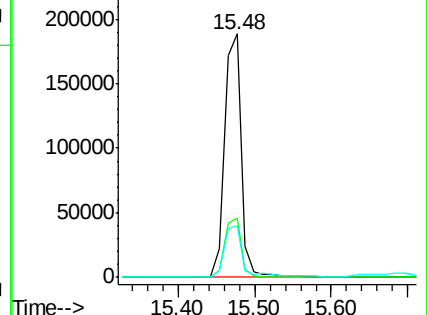
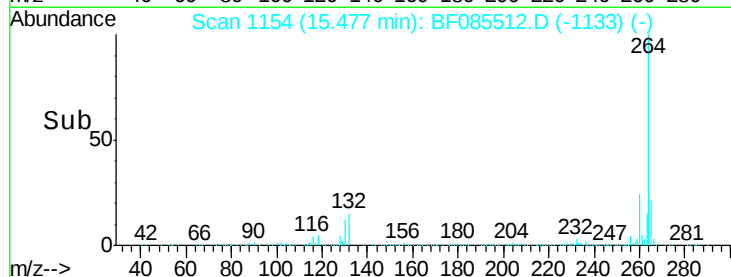
265 21.2 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 10.88 ng

RT: 15.05 min Scan# 1117

Delta R.T. -0.06 min

Lab File: BF085512.D

Acq: 18 Mar 2016 1:05

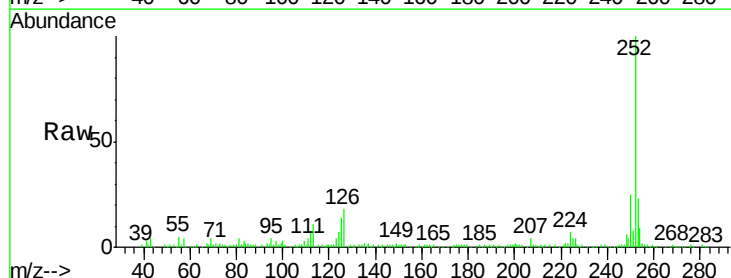
Tgt Ion: 252 Resp: 205688

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

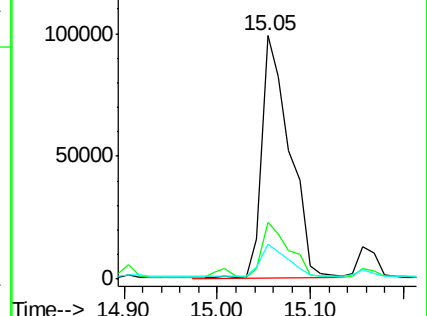
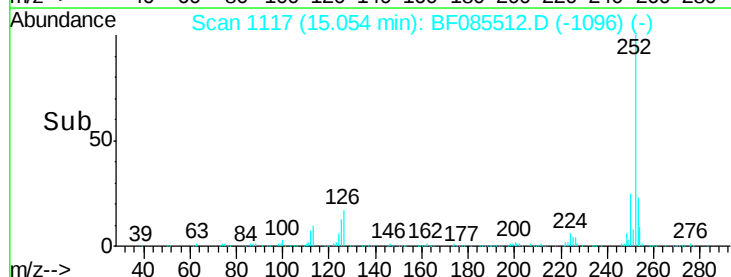
125 14.5 11.3 16.9

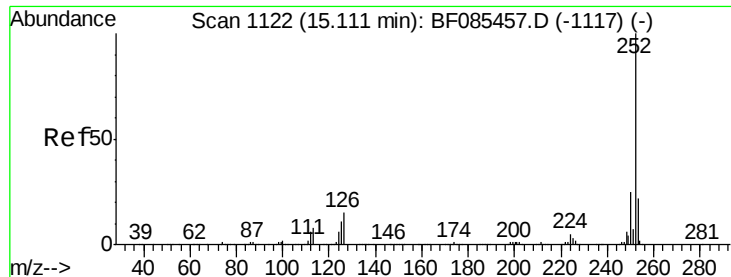


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

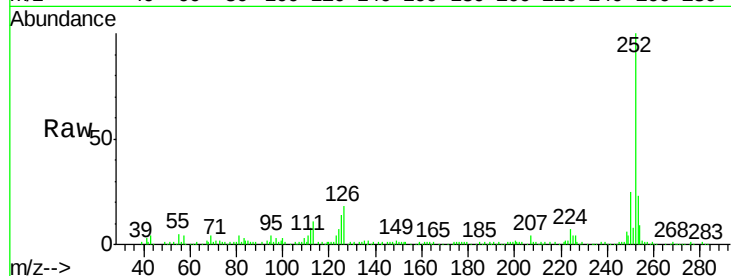




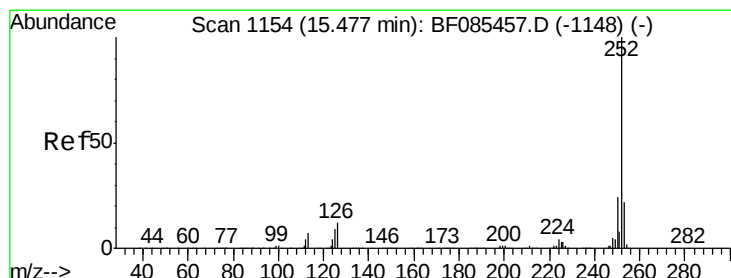
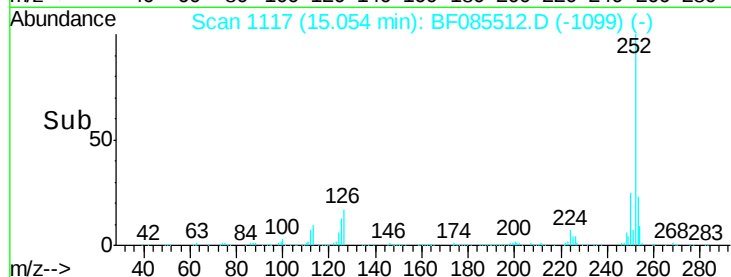
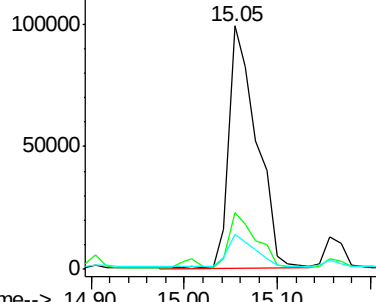
#88
Benzo(k)fluoranthene
Concen: 13.89 ng
RT: 15.05 min Scan# 1117
Delta R.T. -0.09 min
Lab File: BF085512.D
Acq: 18 Mar 2016 1:05

Instrument :
BNA_F
ClientSampleId :
SB-32-COMP

Tgt Ion:252 Resp: 205688
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 14.5 10.4 15.6

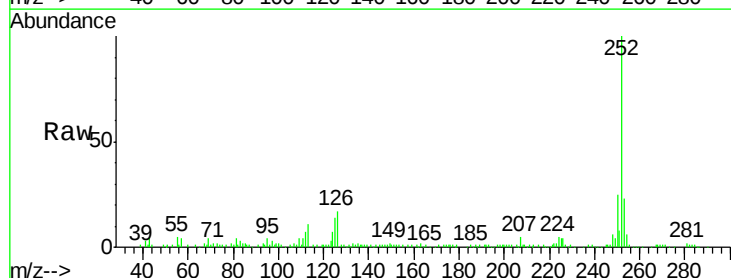


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

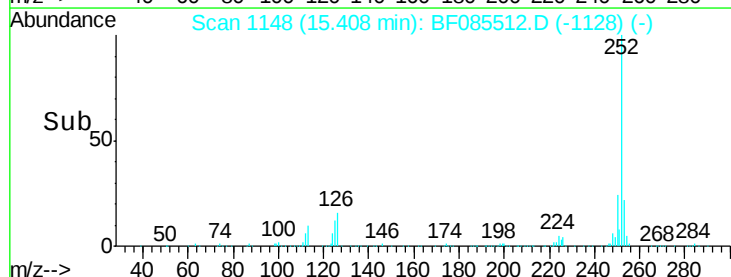
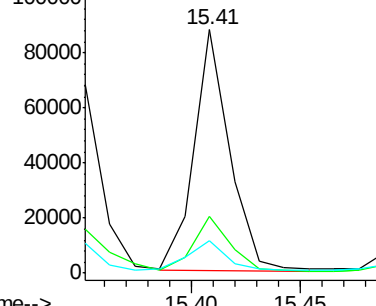


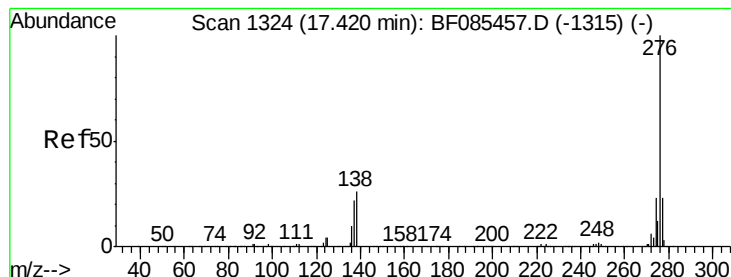
#89
Benzo(a)pyrene
Concen: 6.09 ng
RT: 15.41 min Scan# 1148
Delta R.T. -0.07 min
Lab File: BF085512.D
Acq: 18 Mar 2016 1:05

Tgt Ion:252 Resp: 99464
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.0
125 13.5 8.2 12.4#



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: 4.07 ng

RT: 17.31 min Scan# 1314

Delta R.T. -0.11 min

Lab File: BF085512.D

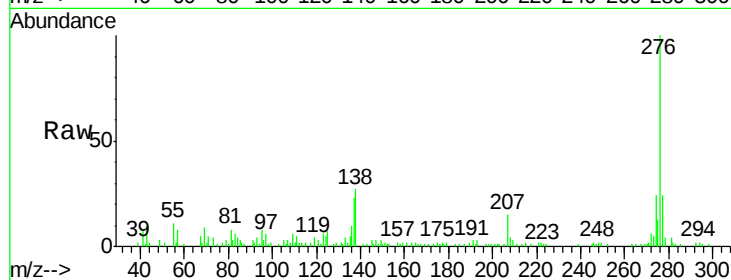
Acq: 18 Mar 2016 1:05

Instrument :

BNA_F

ClientSampleId :

SB-32-COMP



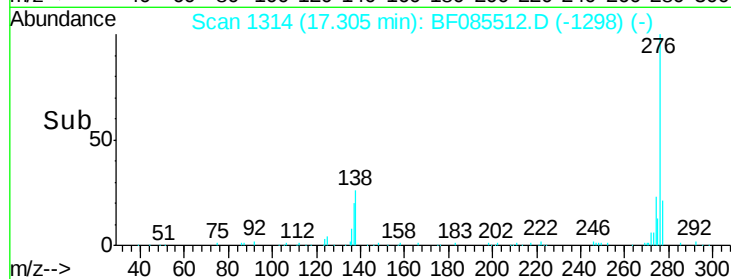
Tgt Ion: 276 Resp: 66262

Ion Ratio Lower Upper

276 100

277 24.1 19.0 28.4

138 27.1 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

