

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053116\
 Data File : BF087608.D
 Acq On : 1 Jun 2016 6:36
 Operator : UM/SJ
 Sample : H3323-06
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-COMP

Quant Time: Jun 01 07:44:21 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 16:26:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	135651	20.00	ng	-0.08
21) Naphthalene-d8	9.47	136	509528	20.00	ng	-0.08
38) Acenaphthene-d10	12.30	164	212962	20.00	ng	-0.09
63) Phenanthrene-d10	14.71	188	327429	20.00	ng	-0.07
75) Chrysene-d12	18.42	240	273511	20.00	ng	-0.06
86) Perylene-d12	20.10	264	235801	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	751907	97.40	ng	-0.07
7) Phenol-d6	7.02	99	1048723	100.54	ng	-0.06
23) Nitrobenzene-d5	8.36	82	705529	69.79	ng	-0.08
41) 2,4,6-Tribromophenol	13.60	330	165111	80.68	ng	-0.08
44) 2-Fluorobiphenyl	11.25	172	1073919	71.09	ng	-0.09
78) Terphenyl-d14	17.06	244	720440	56.00	ng	-0.07

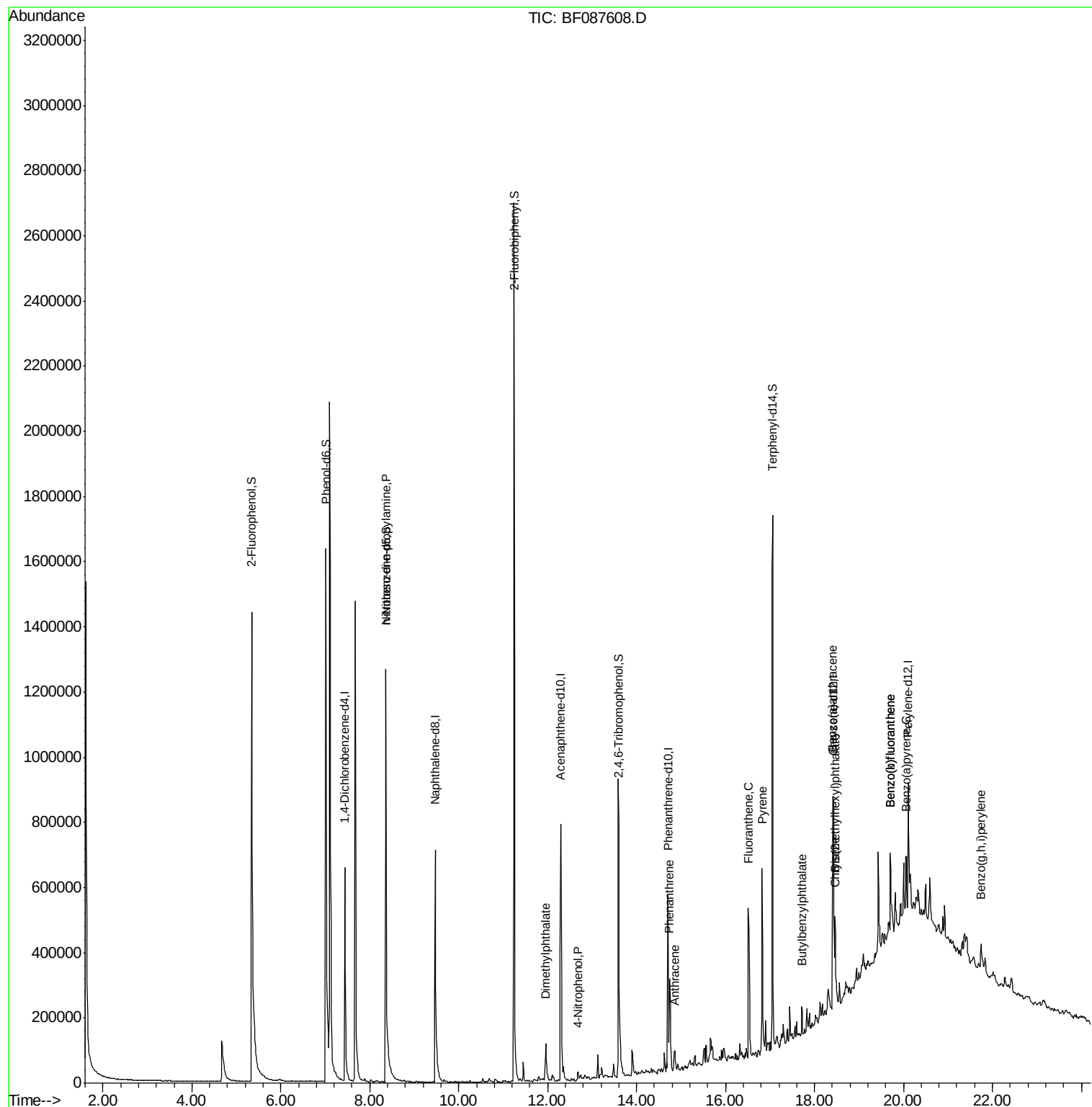
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.36	70	85240	10.96	ng	# 77
49) Dimethylphthalate	11.95	163	74782	4.38	ng	99
55) 4-Nitrophenol	12.69	139	6530	3.88	ng	# 22
70) Phenanthrene	14.74	178	190170	10.49	ng	100
71) Anthracene	14.86	178	56816	3.10	ng	98
74) Fluoranthene	16.51	202	340059	18.70	ng	97
77) Pyrene	16.82	202	302325	15.36	ng	96
79) Butylbenzylphthalate	17.73	149	22802	2.61	ng	# 85
80) Benzo(a)anthracene	18.41	228	151199	9.72	ng	99
82) Chrysene	18.47	228	144236	9.34	ng	98
83) Bis(2-ethylhexyl)phthalate	18.46	149	30115	2.36	ng	98
87) Benzo(b)fluoranthene	19.70	252	222011	14.78	ng	96
88) Benzo(k)fluoranthene	19.70	252	222011	17.17	ng	95
89) Benzo(a)pyrene	20.07	252	118511	9.12	ng	# 90
91) Benzo(g,h,i)perylene	21.75	276	53625	4.91	ng	91

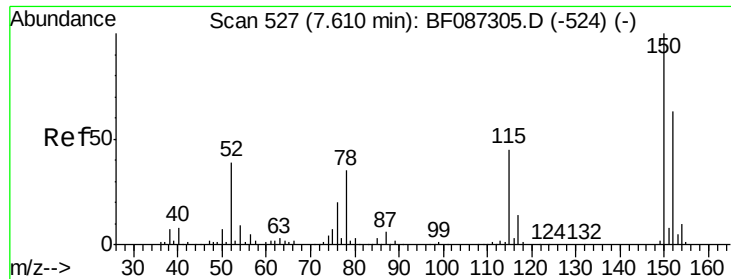
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053116\
Data File : BF087608.D
Acq On : 1 Jun 2016 6:36
Operator : UM/SJ
Sample : H3323-06
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

Quant Time: Jun 01 07:44:21 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 25 16:26:52 2016
Response via : Initial Calibration



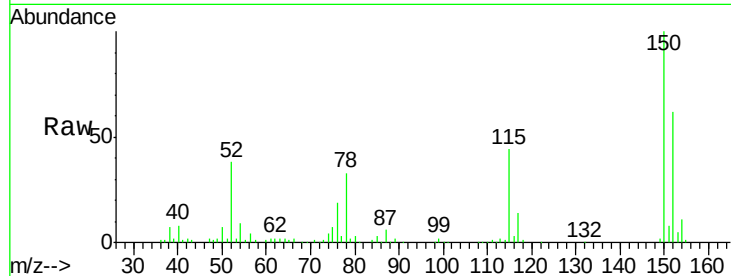


#1

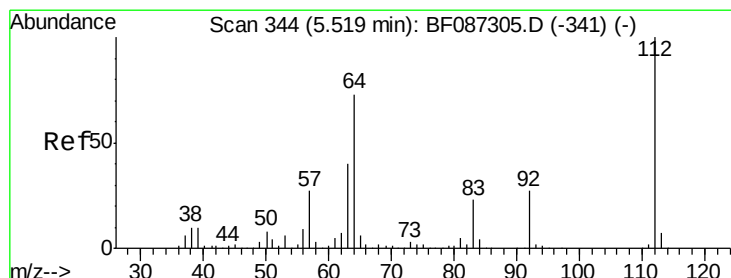
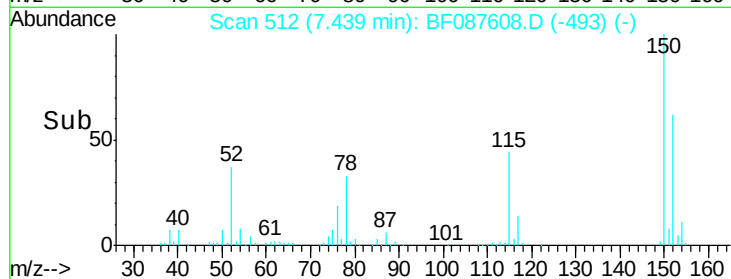
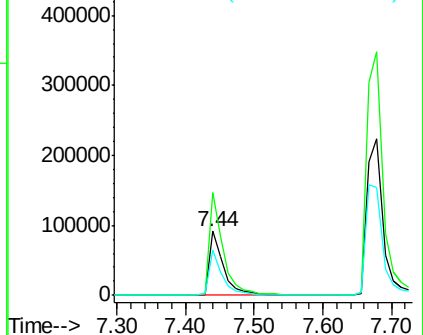
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.44 min Scan# 512
Delta R.T. -0.08 min
Lab File: BF087608.D
Acq: 1 Jun 2016 6:36

Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

Tgt Ion:152 Resp: 135651
Ion Ratio Lower Upper
152 100
150 160.9 125.8 188.6
115 70.7 51.5 77.3



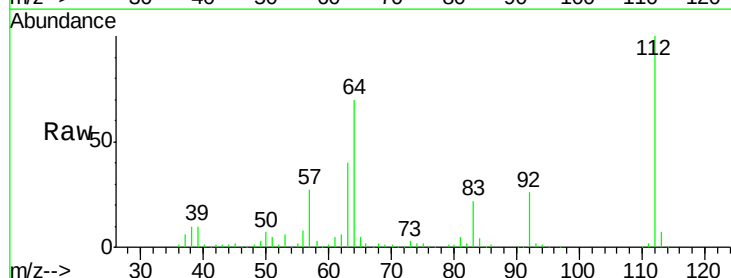
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



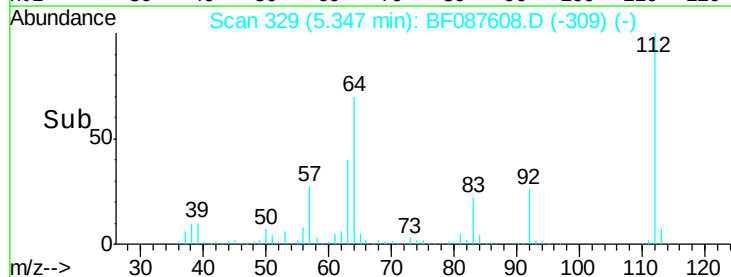
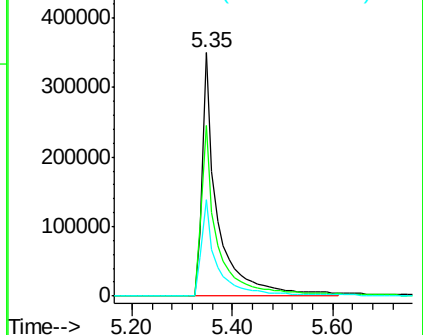
#5

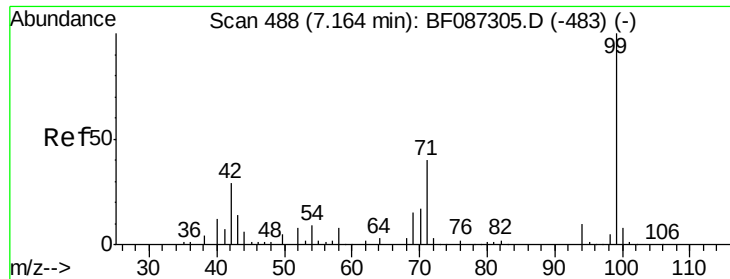
2-Fluorophenol
Concen: 97.40 ng
RT: 5.35 min Scan# 329
Delta R.T. -0.07 min
Lab File: BF087608.D
Acq: 1 Jun 2016 6:36

Tgt Ion:112 Resp: 751907
Ion Ratio Lower Upper
112 100
64 70.0 52.1 78.1
63 39.6 25.7 38.5#



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: 100.54 ng

RT: 7.02 min Scan# 475

Delta R.T. -0.06 min

Lab File: BF087608.D

Acq: 1 Jun 2016 6:36

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

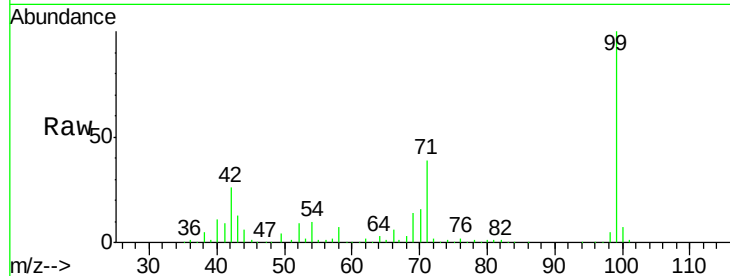
Tgt Ion: 99 Resp: 1048723

Ion Ratio Lower Upper

99 100

42 26.3 13.6 20.4#

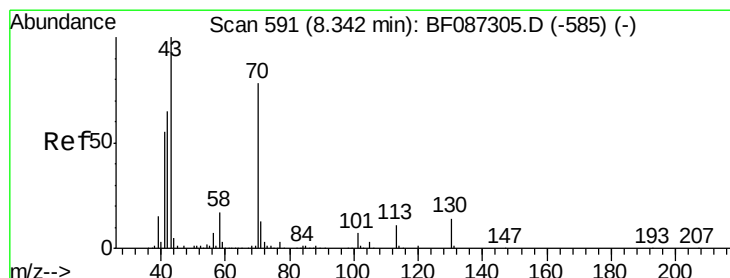
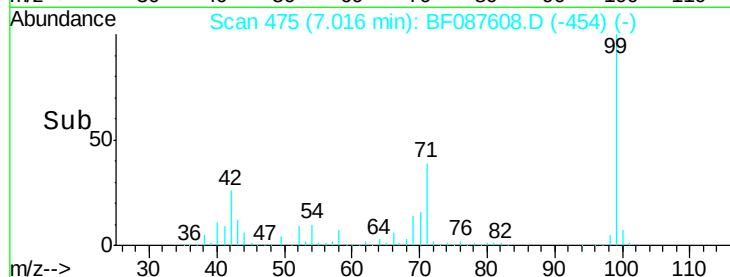
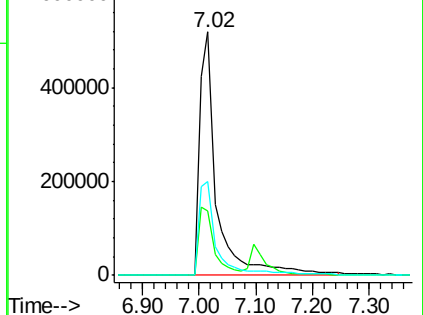
71 38.7 24.6 36.8#



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.96 ng

RT: 8.36 min Scan# 593

Delta R.T. 0.11 min

Lab File: BF087608.D

Acq: 1 Jun 2016 6:36

Tgt Ion: 70 Resp: 85240

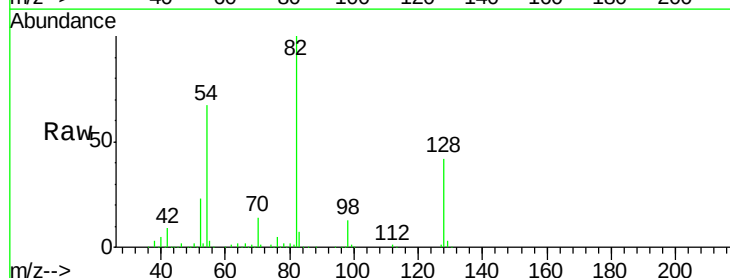
Ion Ratio Lower Upper

70 100

42 63.0 43.1 64.7

101 0.0 8.1 12.1#

130 1.7 18.6 28.0#

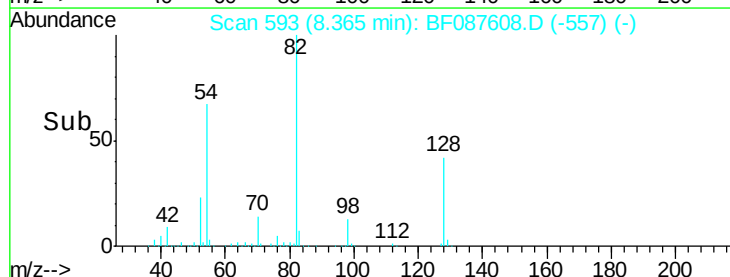
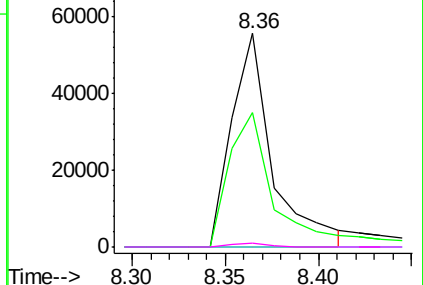


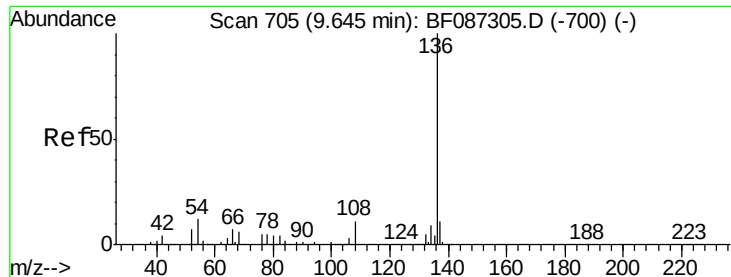
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

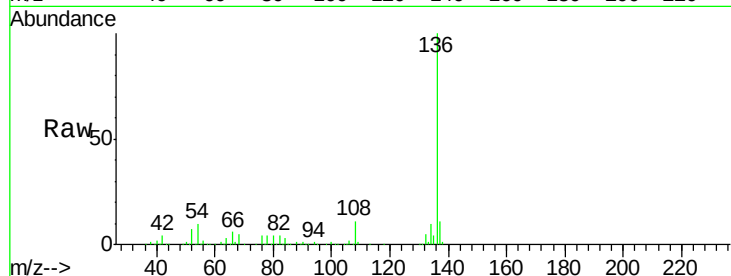




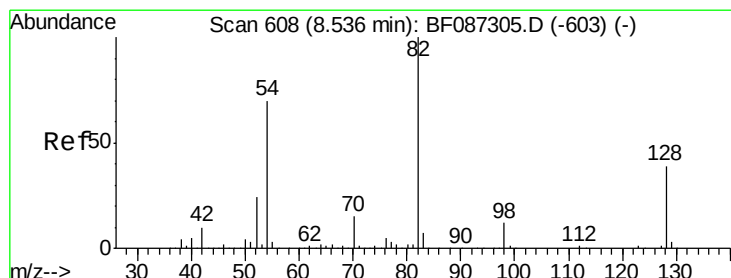
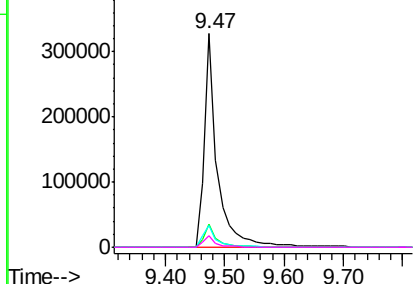
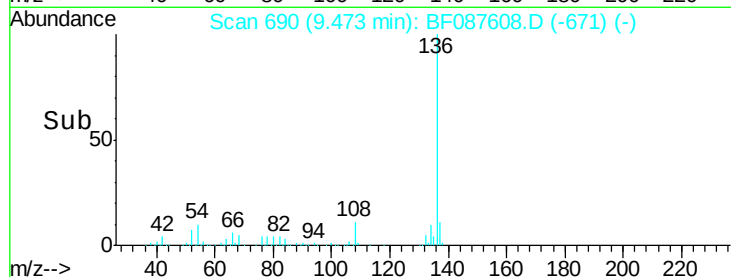
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.47 min Scan# 690
Delta R.T. -0.08 min
Lab File: BF087608.D
Acq: 1 Jun 2016 6:36

Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

Tgt Ion:	136	Resp:	509528
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	10.4	5.0	7.4#
68	5.3	4.4	6.6

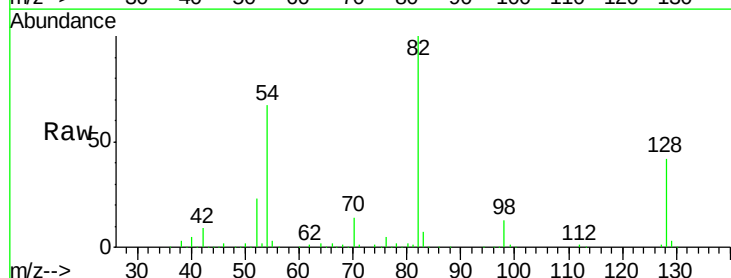


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

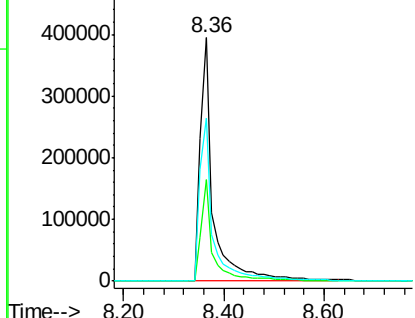
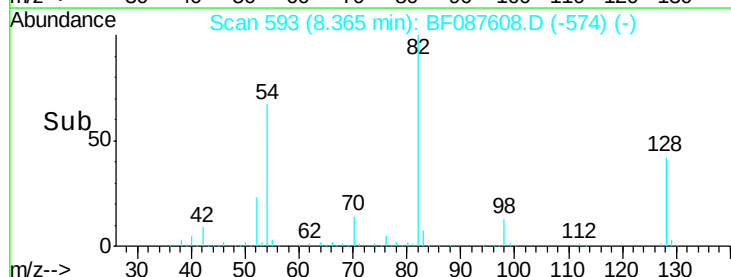


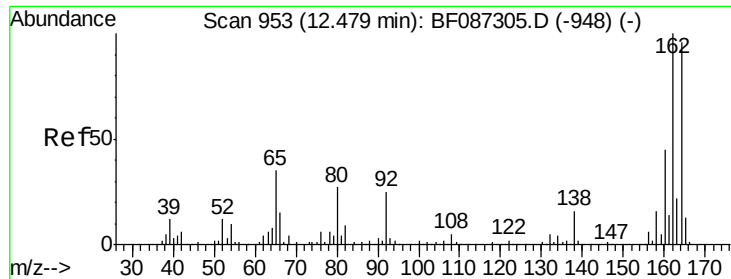
#23
Nitrobenzene-d5
Concen: 69.79 ng
RT: 8.36 min Scan# 593
Delta R.T. -0.08 min
Lab File: BF087608.D
Acq: 1 Jun 2016 6:36

Tgt Ion:	82	Resp:	705529
Ion	Ratio	Lower	Upper
82	100		
128	41.7	40.6	61.0
54	67.2	38.1	57.1#



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.30 min Scan# 937

Delta R.T. -0.09 min

Lab File: BF087608.D

Acq: 1 Jun 2016 6:36

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

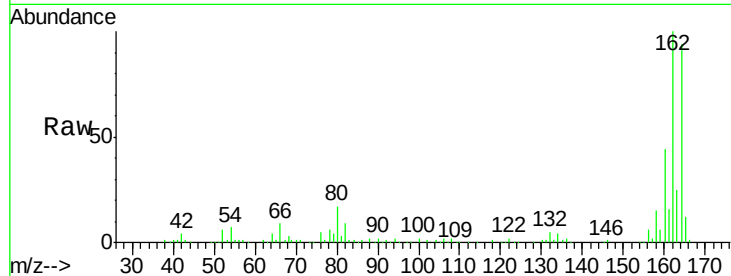
Tgt Ion:164 Resp: 212962

Ion Ratio Lower Upper

164 100

162 106.6 82.8 124.2

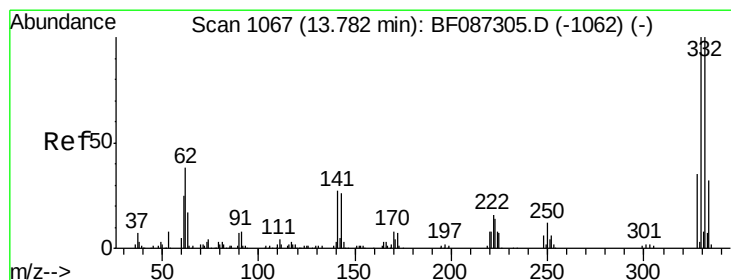
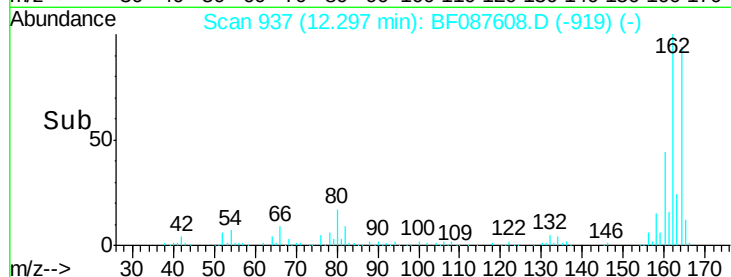
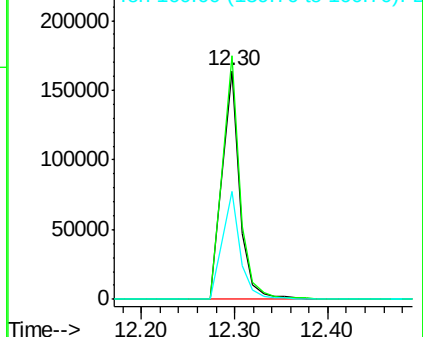
160 47.3 36.9 55.3



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: 80.68 ng

RT: 13.60 min Scan# 1051

Delta R.T. -0.08 min

Lab File: BF087608.D

Acq: 1 Jun 2016 6:36

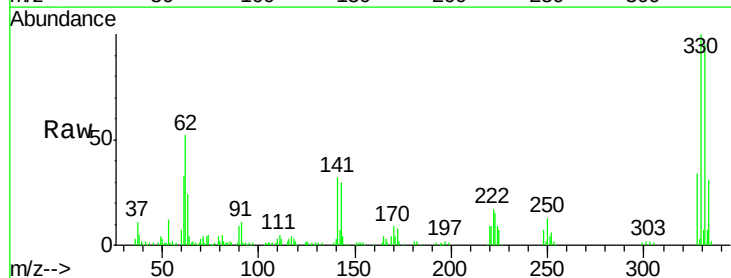
Tgt Ion:330 Resp: 165111

Ion Ratio Lower Upper

330 100

332 95.5 79.0 118.4

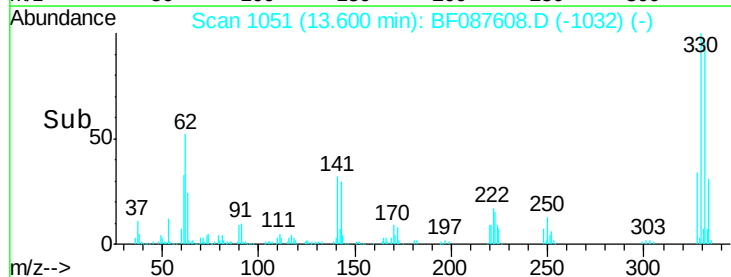
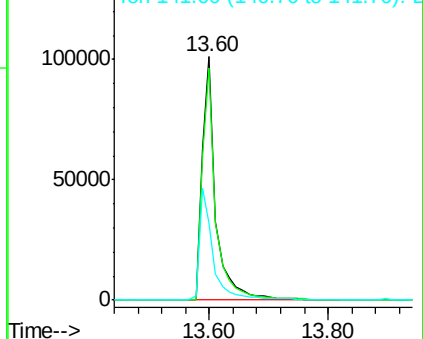
141 46.3 31.2 46.8

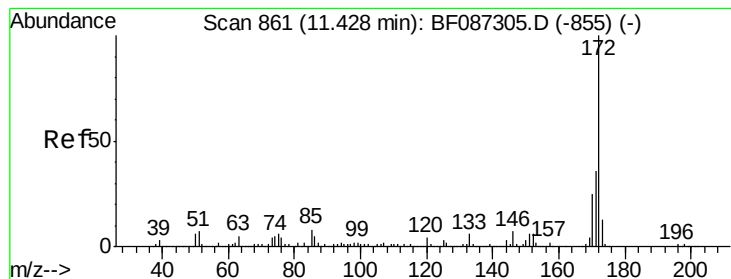


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 71.09 ng

RT: 11.25 min Scan# 845

Delta R.T. -0.09 min

Lab File: BF087608.D

Acq: 1 Jun 2016 6:36

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

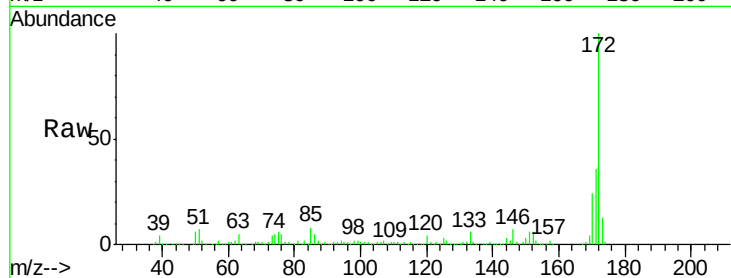
Tgt Ion:172 Resp: 1073919

Ion Ratio Lower Upper

172 100

171 36.4 29.0 43.6

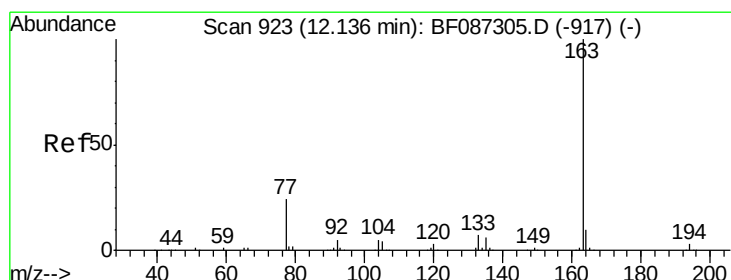
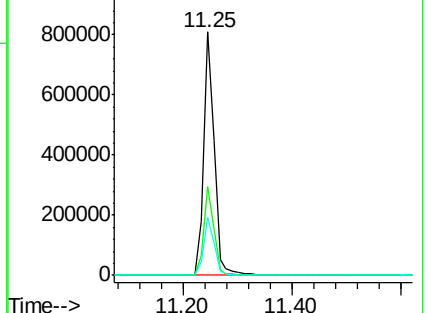
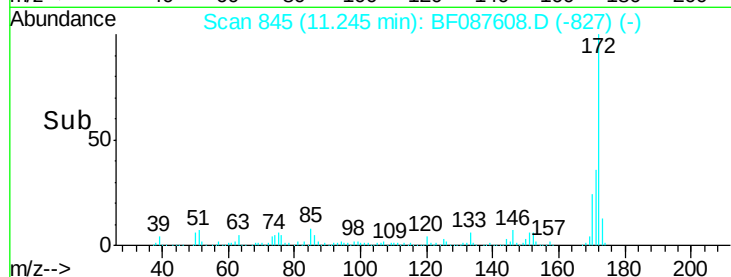
170 24.0 19.8 29.8



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: 4.38 ng

RT: 11.95 min Scan# 907

Delta R.T. -0.09 min

Lab File: BF087608.D

Acq: 1 Jun 2016 6:36

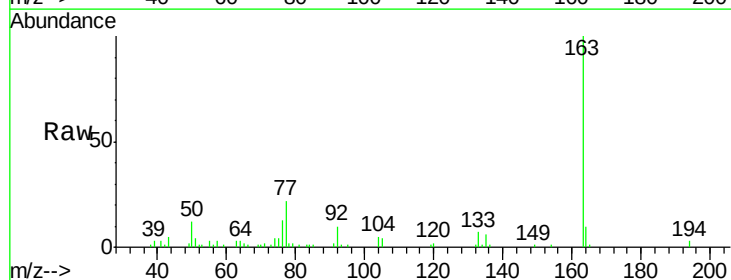
Tgt Ion:163 Resp: 74782

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

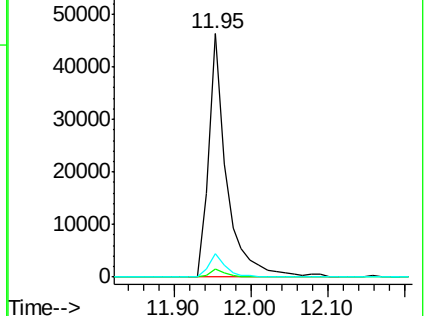
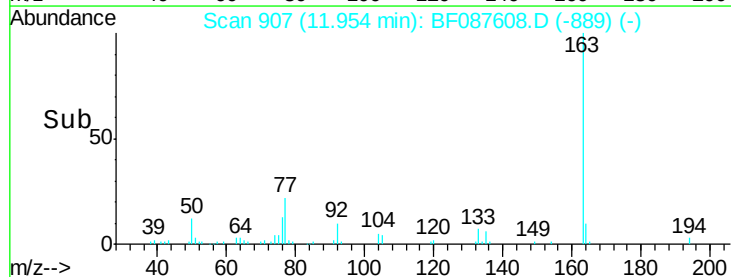
164 9.9 8.2 12.4

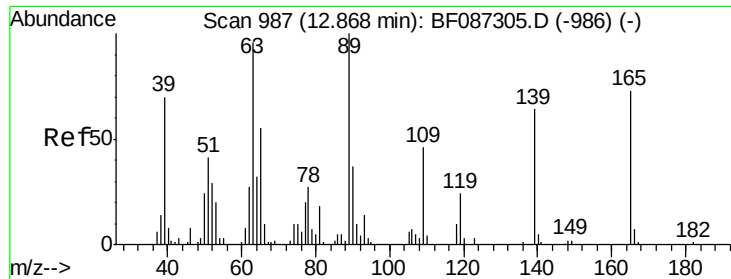


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#55

4-Nitrophenol

Concen: 3.88 ng

RT: 12.69 min Scan# 971

Delta R.T. -0.09 min

Lab File: BF087608.D

Acq: 1 Jun 2016 6:36

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

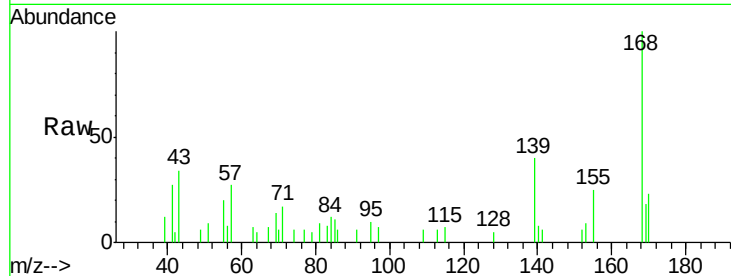
Tgt Ion:139 Resp: 6530

Ion Ratio Lower Upper

139 100

109 15.7 36.9 76.9#

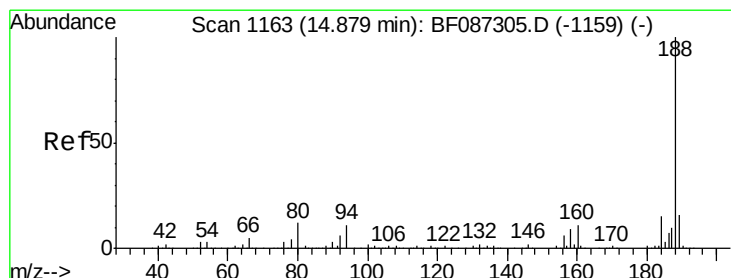
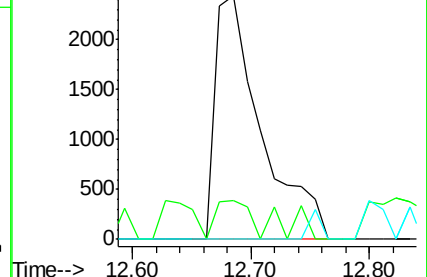
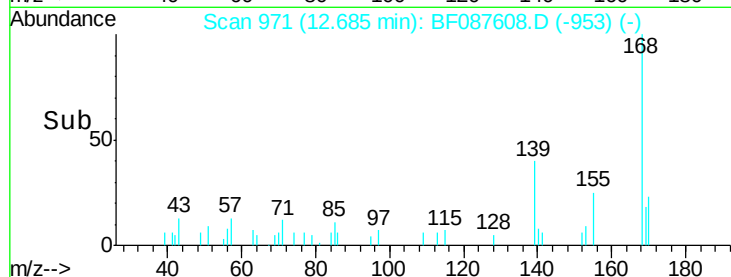
65 0.0 64.0 104.0#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.71 min Scan# 1148

Delta R.T. -0.07 min

Lab File: BF087608.D

Acq: 1 Jun 2016 6:36

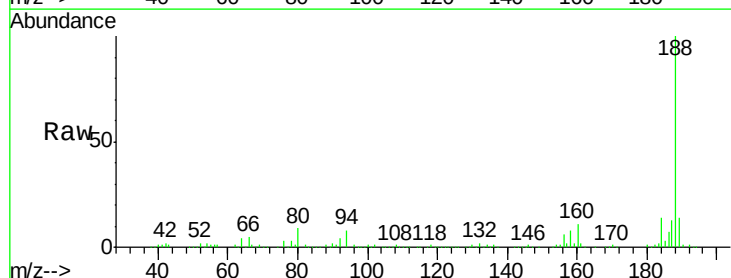
Tgt Ion:188 Resp: 327429

Ion Ratio Lower Upper

188 100

94 7.6 6.8 10.2

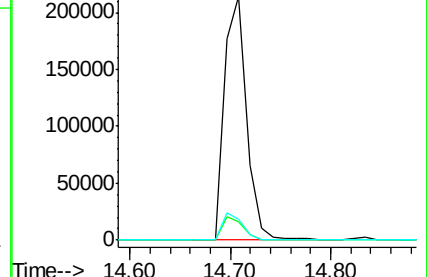
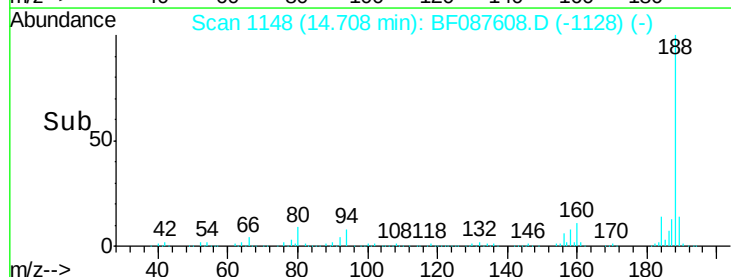
80 8.8 7.1 10.7

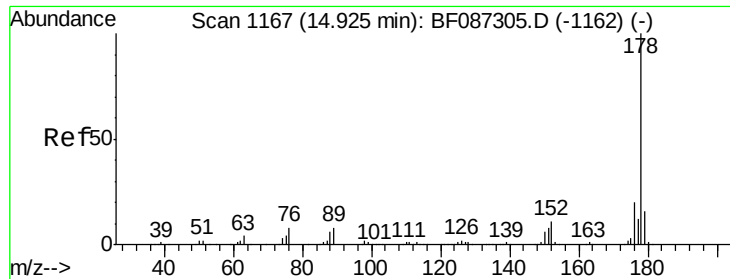


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

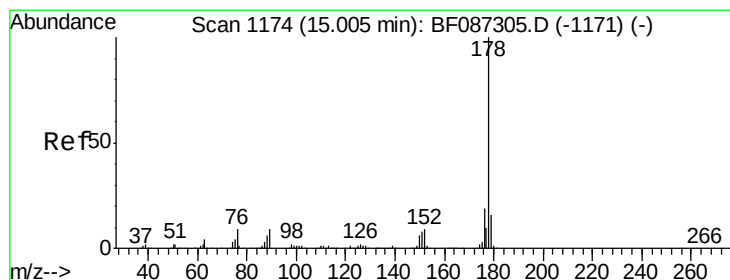
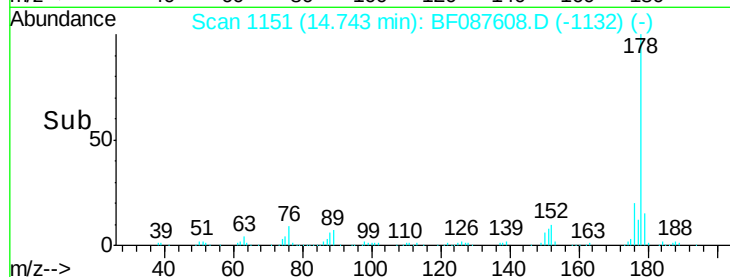
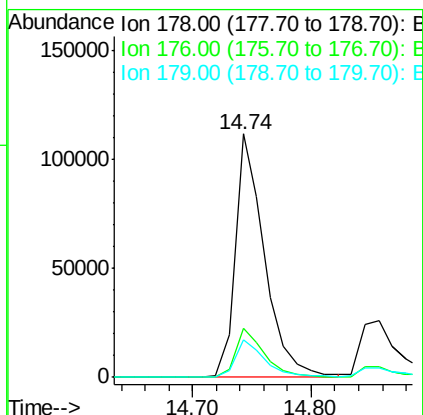
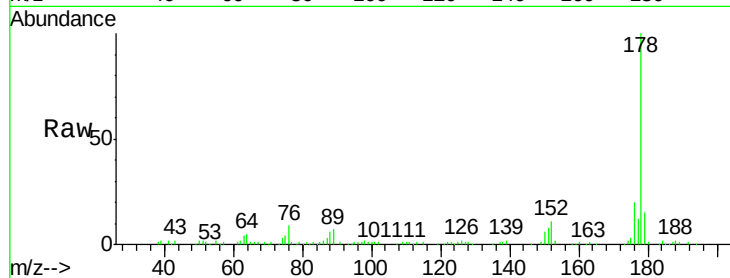




#70
Phenanthrene
Concen: 10.49 ng
RT: 14.74 min Scan# 1151
Delta R.T. -0.08 min
Lab File: BF087608.D
Acq: 1 Jun 2016 6:36

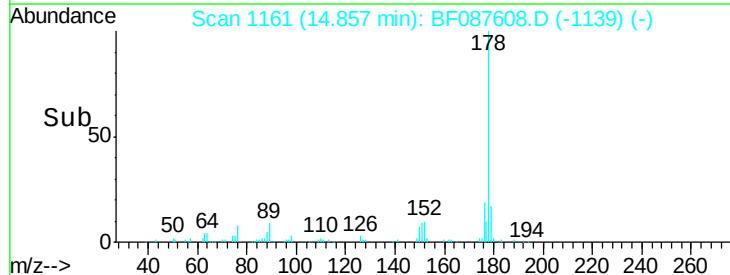
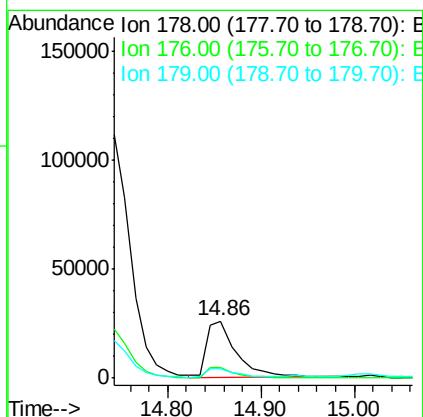
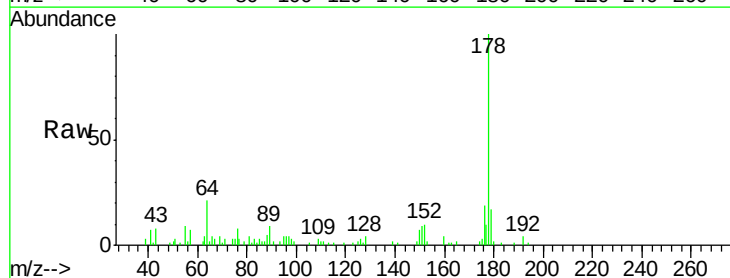
Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

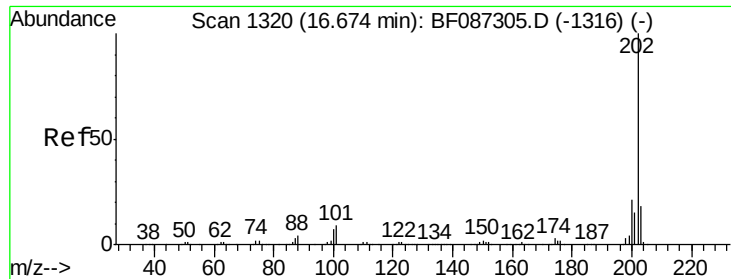
Tgt Ion:178 Resp: 190170
Ion Ratio Lower Upper
178 100
176 19.9 16.0 24.0
179 15.4 12.6 18.8



#71
Anthracene
Concen: 3.10 ng
RT: 14.86 min Scan# 1161
Delta R.T. -0.05 min
Lab File: BF087608.D
Acq: 1 Jun 2016 6:36

Tgt Ion:178 Resp: 56816
Ion Ratio Lower Upper
178 100
176 18.8 15.6 23.4
179 16.9 12.7 19.1





#74

Fluoranthene

Concen: 18.70 ng

RT: 16.51 min Scan# 1306

Delta R.T. -0.07 min

Lab File: BF087608.D

Acq: 1 Jun 2016 6:36

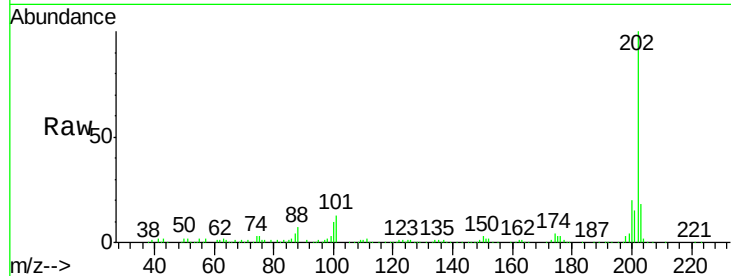
Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

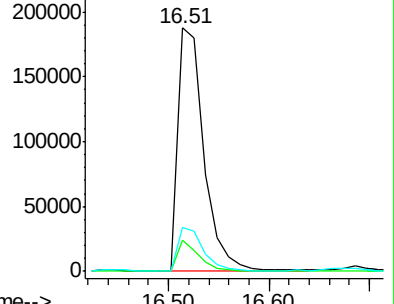
Tgt Ion:	202	Resp:	340059
Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	35.4
203	17.9	0.0	38.1



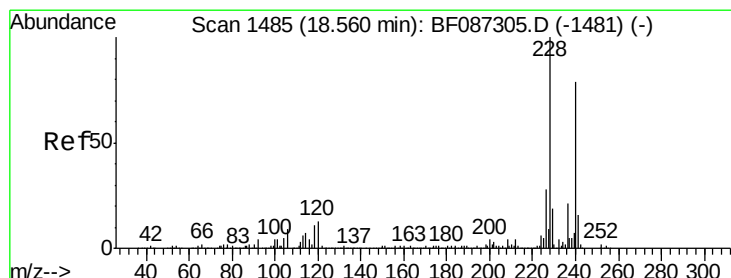
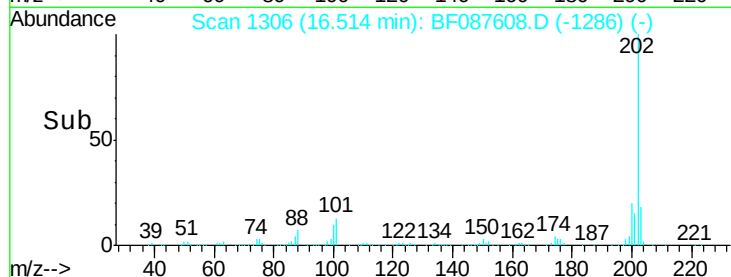
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

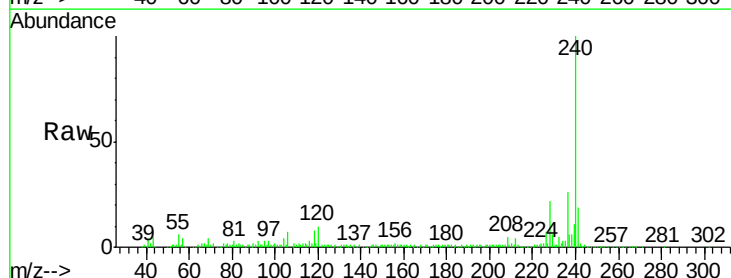
RT: 18.42 min Scan# 1473

Delta R.T. -0.06 min

Lab File: BF087608.D

Acq: 1 Jun 2016 6:36

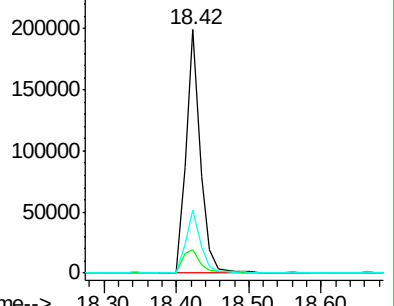
Tgt Ion:	240	Resp:	273511
Ion	Ratio	Lower	Upper
240	100		
120	9.7	11.2	16.8#
236	26.2	21.2	31.8



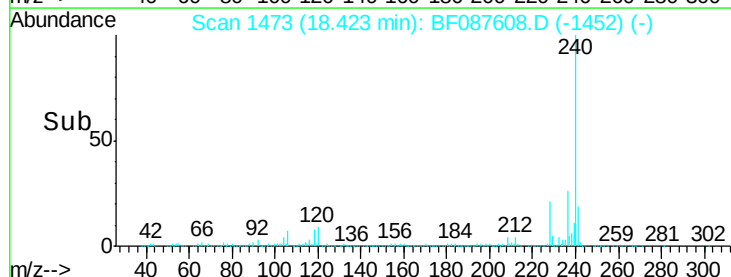
Abundance Ion 240.00 (239.70 to 240.70): E

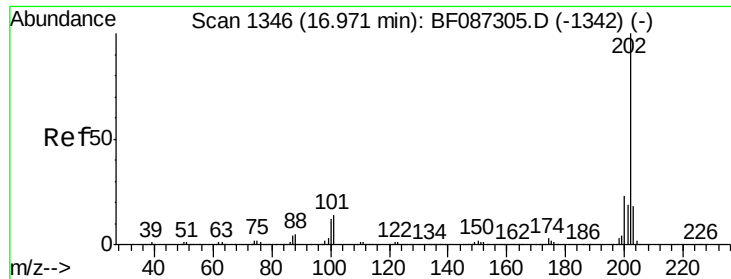
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->

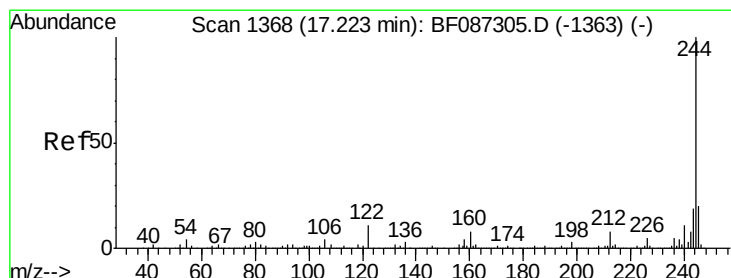
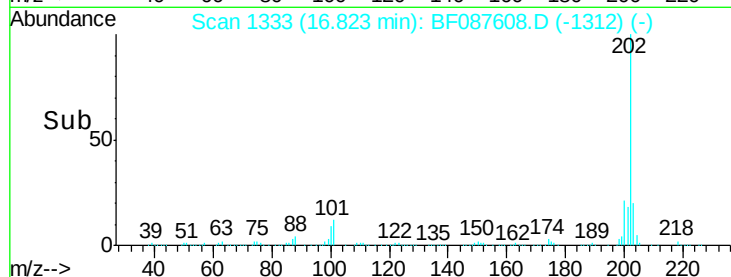
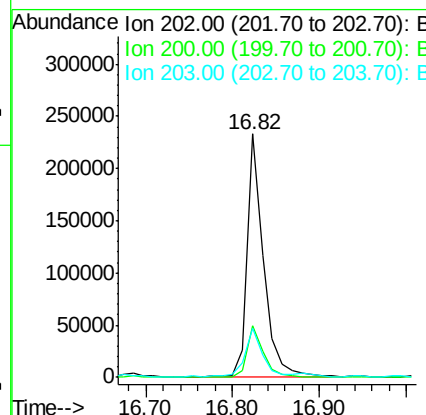
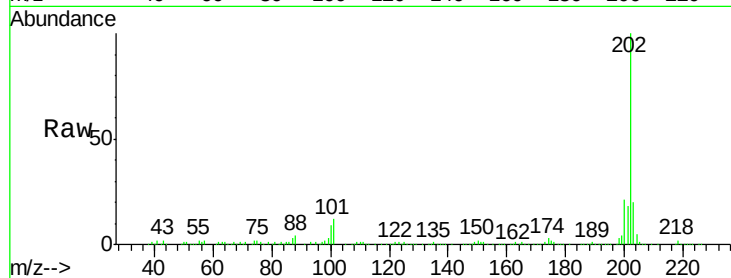




#77
 Pyrene
 Concen: 15.36 ng
 RT: 16.82 min Scan# 1333
 Delta R.T. -0.06 min
 Lab File: BF087608.D
 Acq: 1 Jun 2016 6:36

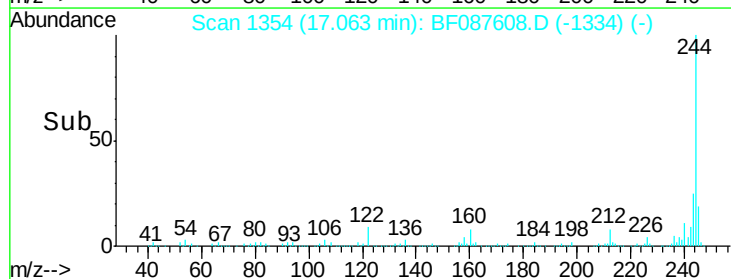
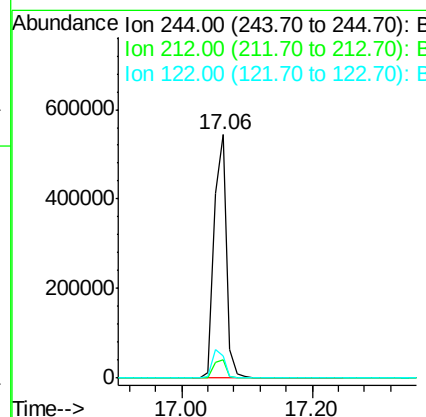
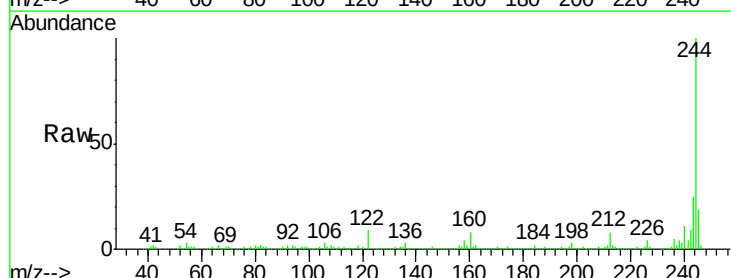
Instrument :
 BNA_F
 ClientSampleId :
 SB-04-COMP

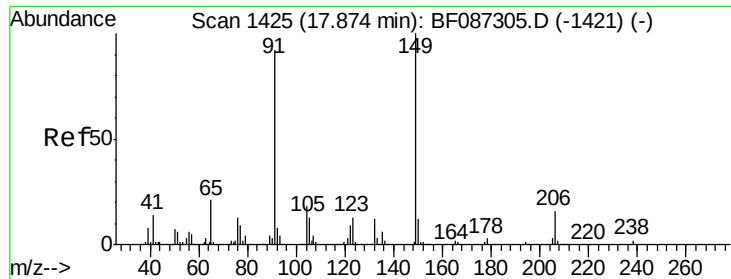
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.7	26.5
203	20.4	14.2	21.4



#78
 Terphenyl-d14
 Concen: 56.00 ng
 RT: 17.06 min Scan# 1354
 Delta R.T. -0.07 min
 Lab File: BF087608.D
 Acq: 1 Jun 2016 6:36

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.2	9.2
122	9.2	12.0	18.0#





#79

Butylbenzylphthalate

Concen: 2.61 ng

RT: 17.73 min Scan# 1412

Delta R.T. -0.07 min

Lab File: BF087608.D

Acq: 1 Jun 2016 6:36

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

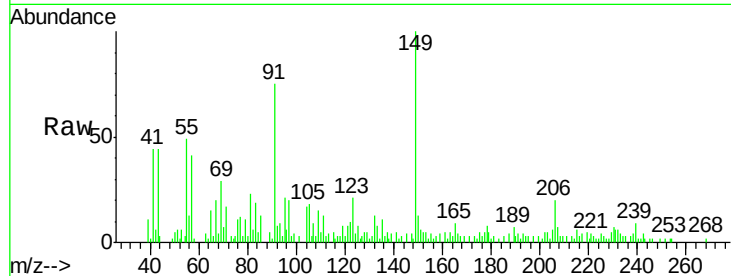
Tgt Ion:149 Resp: 22802

Ion Ratio Lower Upper

149 100

91 74.9 48.0 72.0#

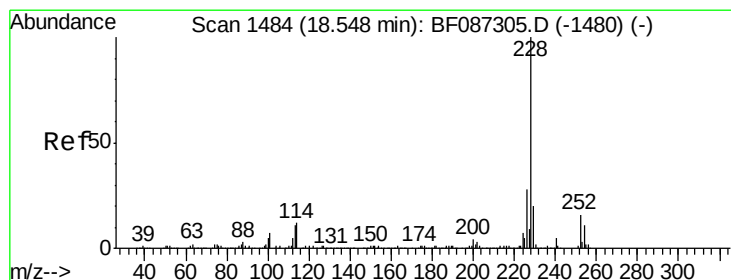
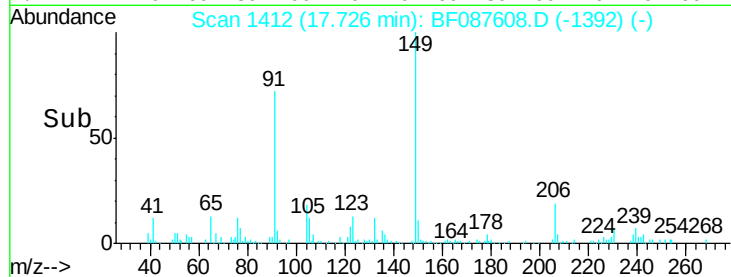
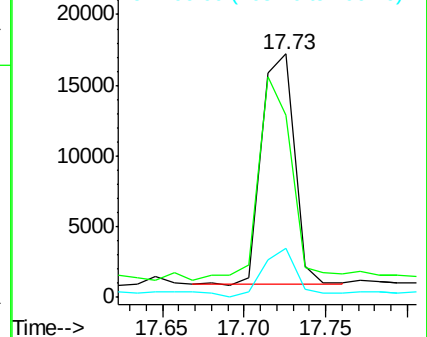
206 20.1 15.8 23.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 9.72 ng

RT: 18.41 min Scan# 1472

Delta R.T. -0.05 min

Lab File: BF087608.D

Acq: 1 Jun 2016 6:36

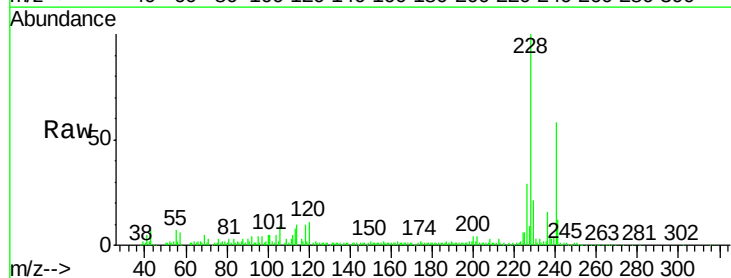
Tgt Ion:228 Resp: 151199

Ion Ratio Lower Upper

228 100

226 29.2 22.5 33.7

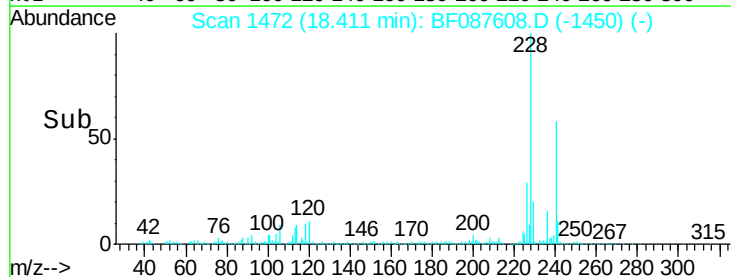
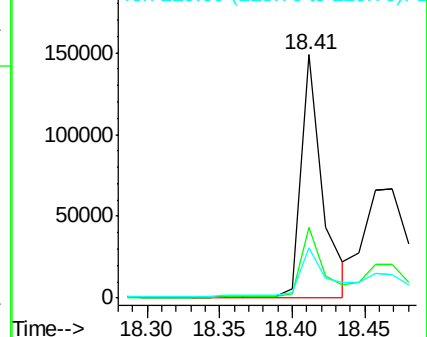
229 20.9 16.6 25.0

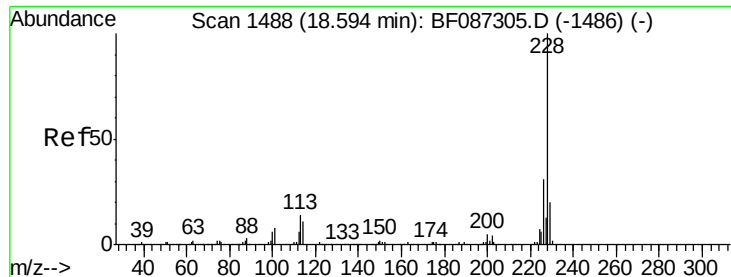


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.34 ng

RT: 18.47 min Scan# 1477

Delta R.T. -0.05 min

Lab File: BF087608.D

Acq: 1 Jun 2016 6:36

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

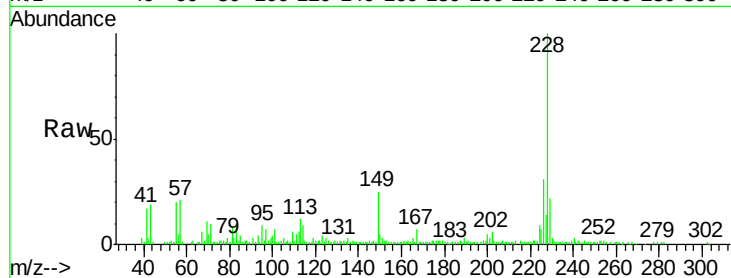
Tgt Ion: 228 Resp: 144236

Ion Ratio Lower Upper

228 100

226 31.2 24.4 36.6

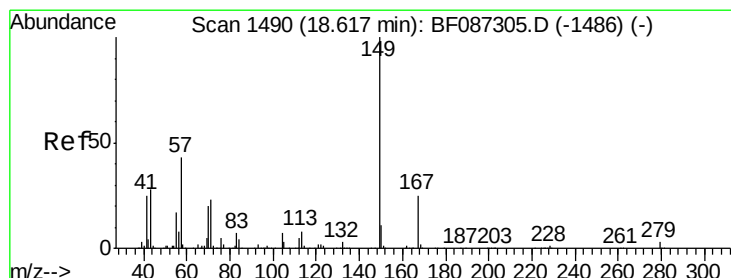
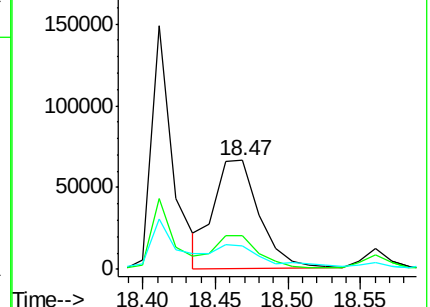
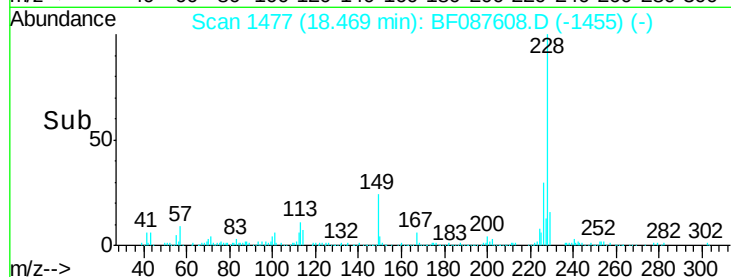
229 21.5 15.8 23.8



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.36 ng

RT: 18.46 min Scan# 1476

Delta R.T. -0.08 min

Lab File: BF087608.D

Acq: 1 Jun 2016 6:36

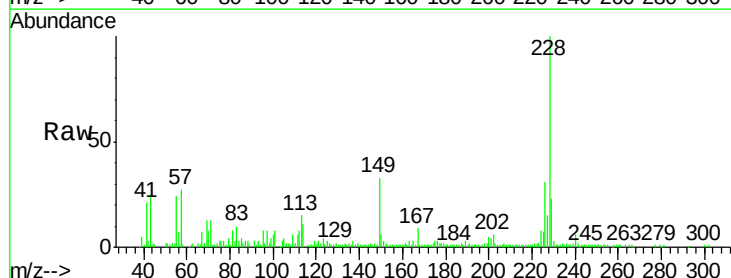
Tgt Ion: 149 Resp: 30115

Ion Ratio Lower Upper

149 100

167 26.2 21.8 32.6

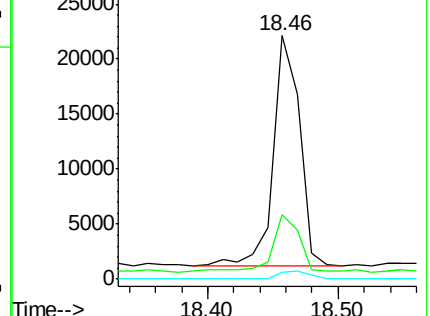
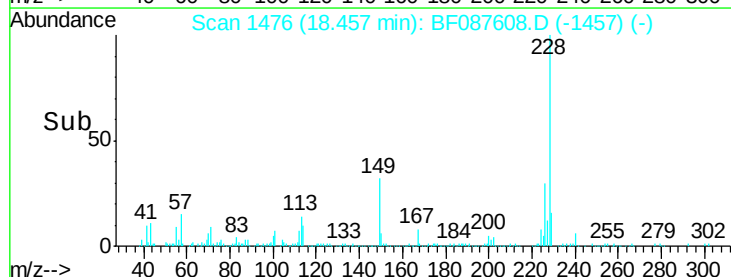
279 2.7 2.6 4.0

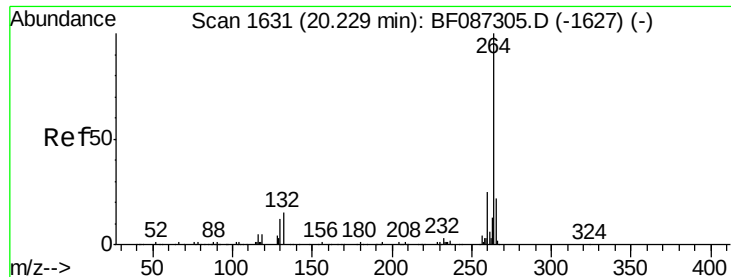


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



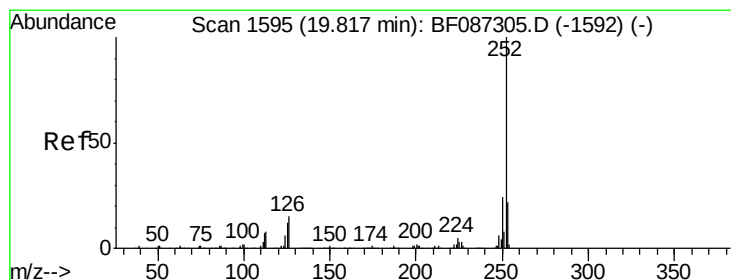
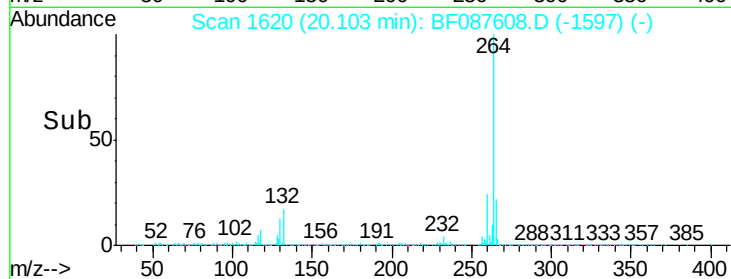
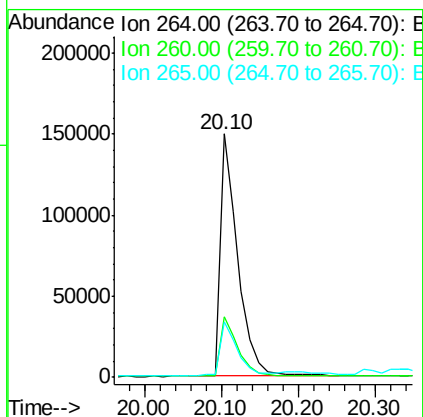
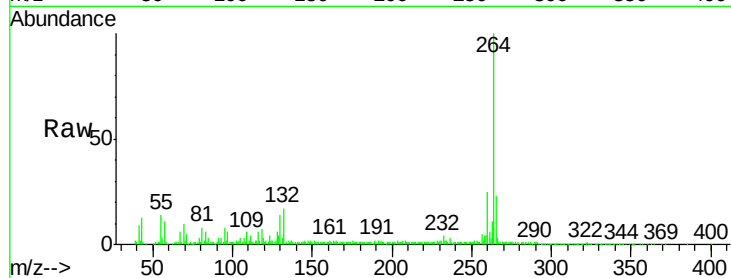


#86
Perylene-d12
Concen: 20.00 ng
RT: 20.10 min Scan# 1620
Delta R.T. -0.03 min
Lab File: BF087608.D
Acq: 1 Jun 2016 6:36

Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

Tgt Ion: 264 Resp: 235801

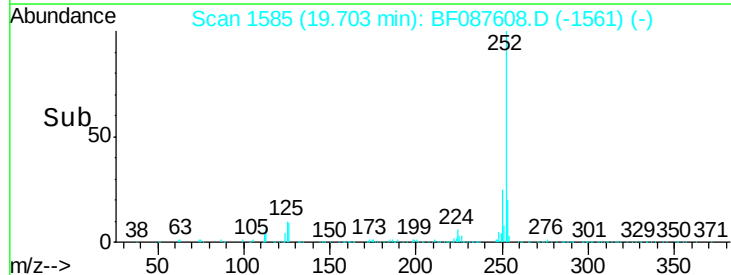
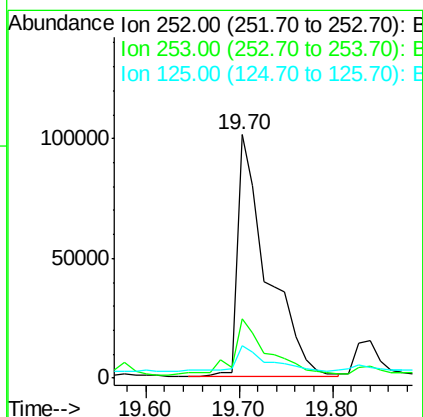
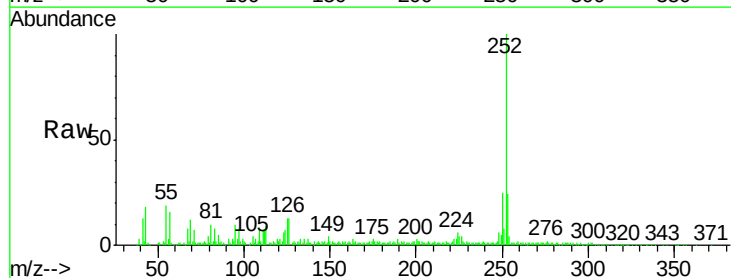
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	22.8	17.3	25.9

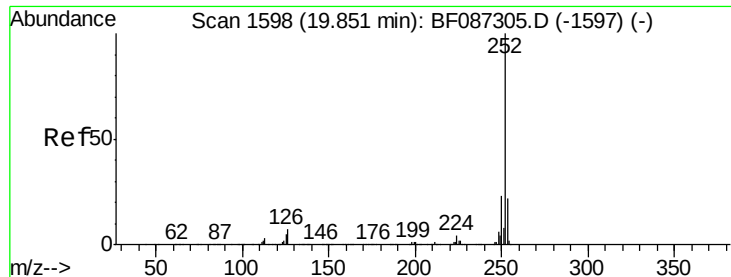


#87
Benzo(b)fluoranthene
Concen: 14.78 ng
RT: 19.70 min Scan# 1585
Delta R.T. -0.02 min
Lab File: BF087608.D
Acq: 1 Jun 2016 6:36

Tgt Ion: 252 Resp: 222011

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.6
125	13.2	11.4	17.0





#88

Benzo(k)fluoranthene

Concen: 17.17 ng

RT: 19.70 min Scan# 1585

Delta R.T. -0.06 min

Lab File: BF087608.D

Acq: 1 Jun 2016 6:36

Instrument :

BNA_F

ClientSampled :

SB-04-COMP

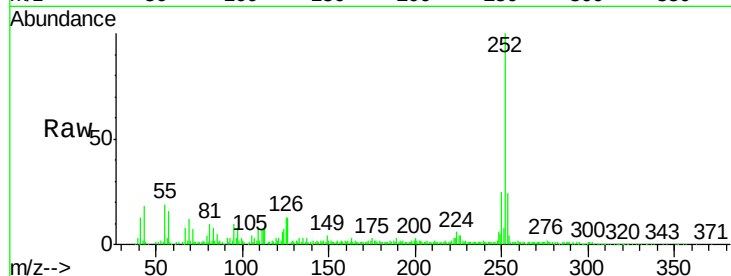
Tgt Ion:252 Resp: 222011

Ion Ratio Lower Upper

252 100

253 24.4 17.8 26.6

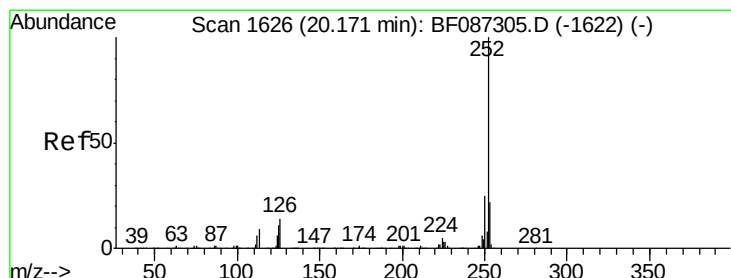
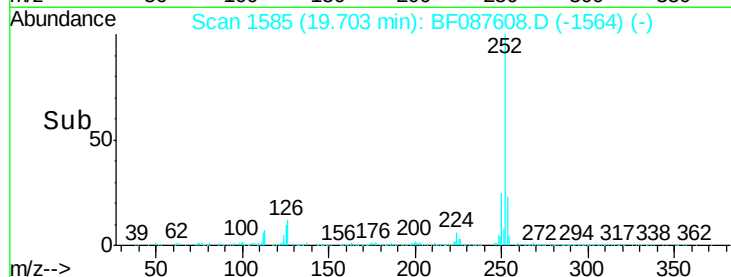
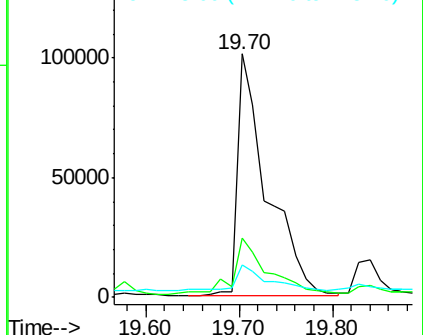
125 13.2 9.1 13.7



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: 9.12 ng

RT: 20.07 min Scan# 1617

Delta R.T. -0.01 min

Lab File: BF087608.D

Acq: 1 Jun 2016 6:36

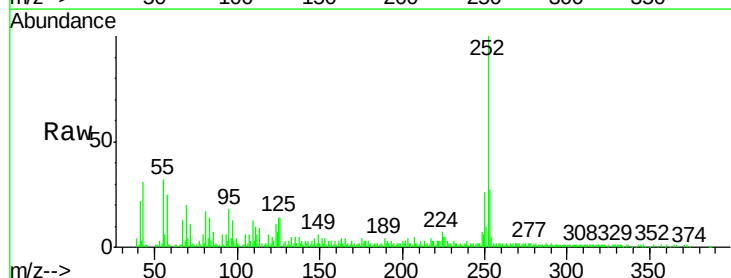
Tgt Ion:252 Resp: 118511

Ion Ratio Lower Upper

252 100

253 27.3 17.2 25.8#

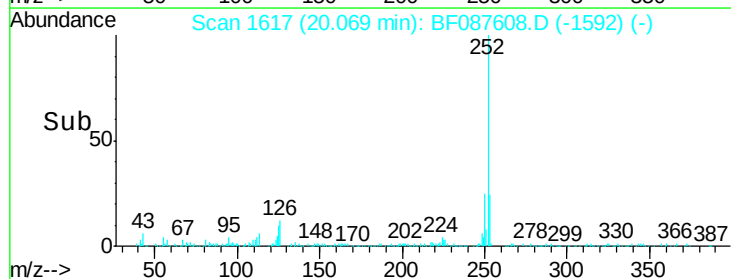
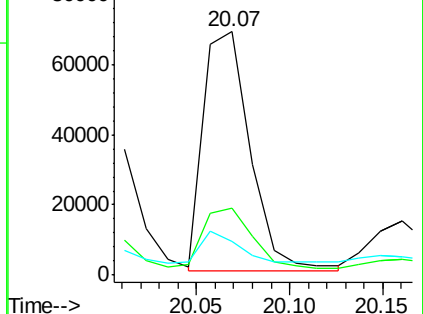
125 13.8 9.0 13.6#

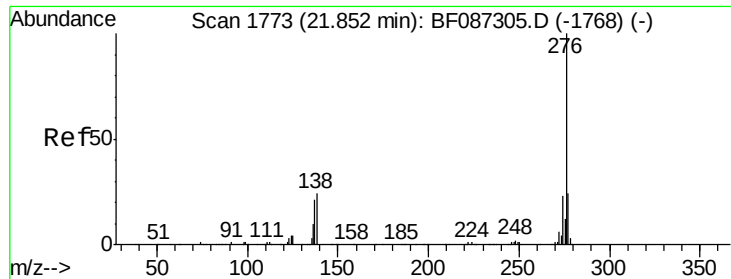


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 4.91 ng

RT: 21.75 min Scan# 1764

Delta R.T. 0.03 min

Lab File: BF087608.D

Acq: 1 Jun 2016 6:36

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

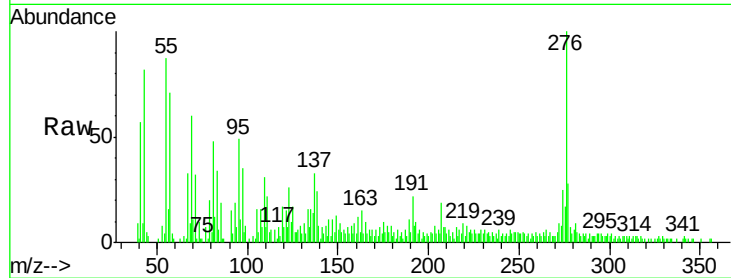
Tgt Ion: 276 Resp: 53625

Ion Ratio Lower Upper

276 100

277 28.2 19.6 29.4

138 24.3 23.6 35.4



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

