

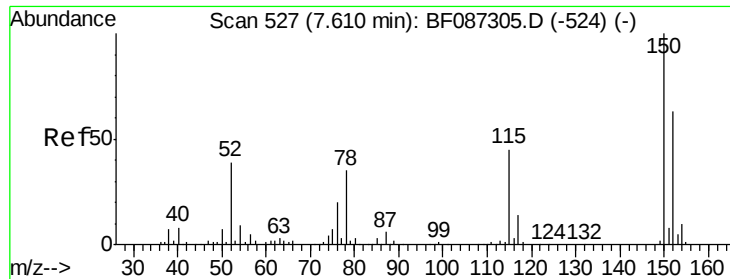
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052716\
 Data File : BF087474.D
 Acq On : 28 May 2016 8:54
 Operator : UM/SJ
 Sample : H3258-01
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-1

Quant Time: May 30 00:57:30 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	7.48	152	128014	20.00	ng	-0.03
21) Naphthalene-d8	9.51	136	512898	20.00	ng	-0.05
38) Acenaphthene-d10	12.34	164	218129	20.00	ng	-0.05
63) Phenanthrene-d10	14.74	188	338153	20.00	ng	-0.03
75) Chrysene-d12	18.45	240	246089	20.00	ng	-0.03
86) Perylene-d12	20.11	264	187682	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	866287	118.91	ng	-0.02
7) Phenol-d6	7.04	99	1171479	119.00	ng	-0.03
23) Nitrobenzene-d5	8.40	82	753176	74.01	ng	-0.05
41) 2,4,6-Tribromophenol	13.65	330	211977	101.13	ng	-0.03
44) 2-Fluorobiphenyl	11.29	172	1190858	76.97	ng	-0.05
78) Terphenyl-d14	17.10	244	729256	63.00	ng	-0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.40	70	103639	14.12	ng	# 73
49) Dimethylphthalate	11.99	163	221427	12.67	ng	99
55) 4-Nitrophenol	12.71	139	4894	2.84	ng	# 75
59) Diethylphthalate	13.13	149	35623	2.10	ng	98
70) Phenanthrene	14.78	178	57050	3.05	ng	99
71) Anthracene	14.78	178	57050	3.02	ng	99
74) Fluoranthene	16.55	202	70907	3.78	ng	93
77) Pyrene	16.85	202	62990	3.56	ng	96
80) Benzo(a)anthracene	18.47	228	31715	2.27	ng	96
82) Chrysene	18.47	228	31715	2.28	ng	98
87) Benzo(b)fluoranthene	19.71	252	41377	3.46	ng	97
88) Benzo(k)fluoranthene	19.71	252	41377	4.02	ng	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.48 min Scan# 516

Delta R.T. -0.03 min

Lab File: BF087474.D

Acq: 28 May 2016 8:54

Instrument :

BNA_F

ClientSampleId :

B-1

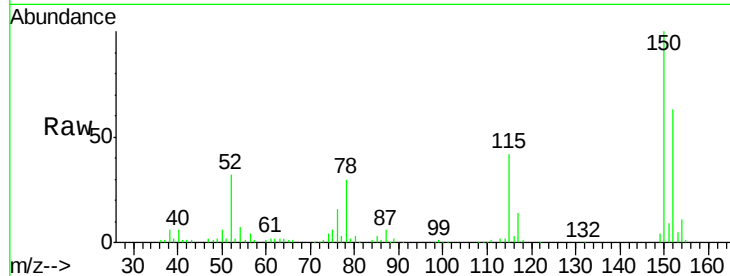
Tgt Ion:152 Resp: 128014

Ion Ratio Lower Upper

152 100

150 157.8 125.8 188.6

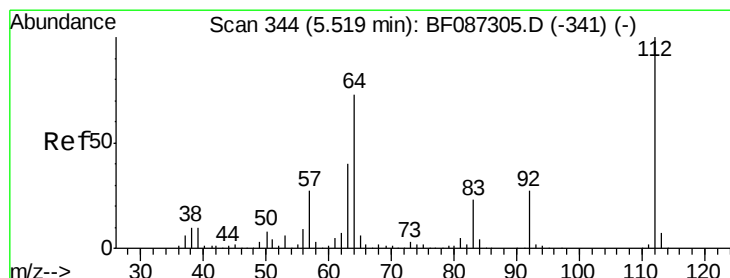
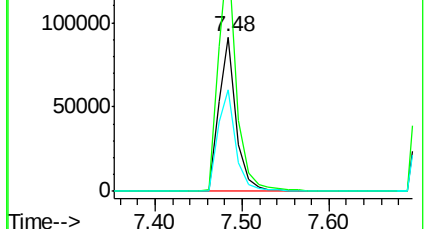
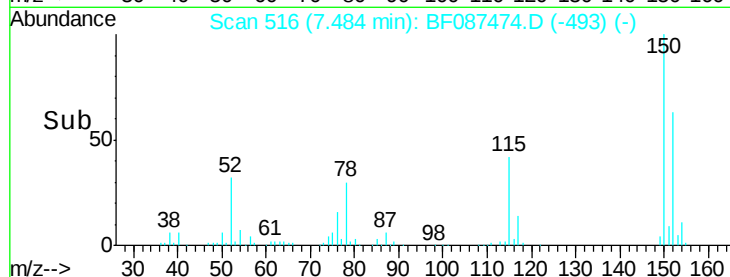
115 66.2 51.5 77.3



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: 118.91 ng

RT: 5.39 min Scan# 333

Delta R.T. -0.02 min

Lab File: BF087474.D

Acq: 28 May 2016 8:54

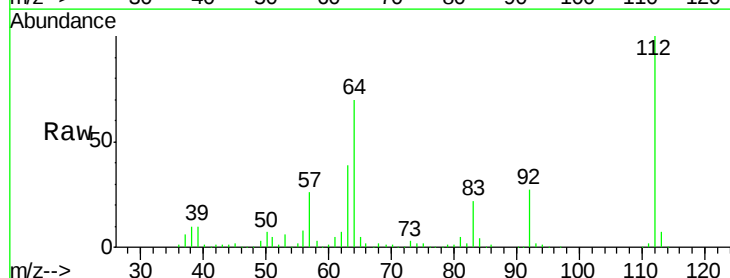
Tgt Ion:112 Resp: 866287

Ion Ratio Lower Upper

112 100

64 69.7 52.1 78.1

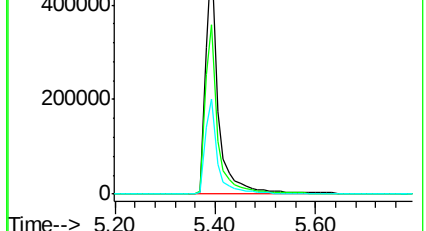
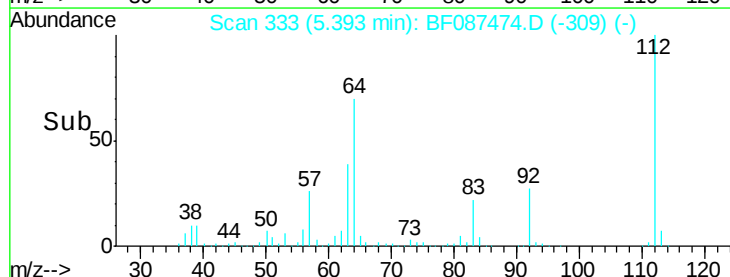
63 39.1 25.7 38.5

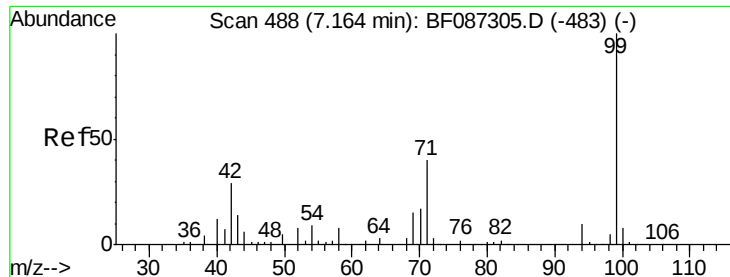


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 119.00 ng

RT: 7.04 min Scan# 477

Delta R.T. -0.03 min

Lab File: BF087474.D

Acq: 28 May 2016 8:54

Instrument :

BNA_F

ClientSampleId :

B-1

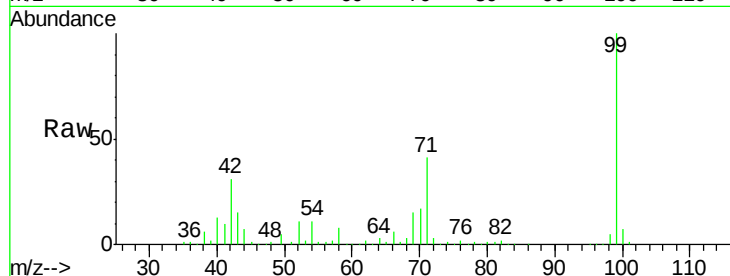
Tgt Ion: 99 Resp: 1171479

Ion Ratio Lower Upper

99 100

42 31.2 13.6 20.4#

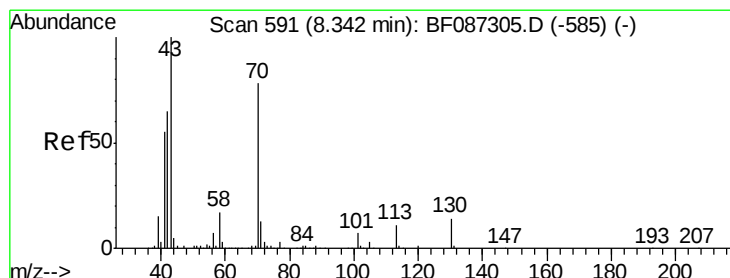
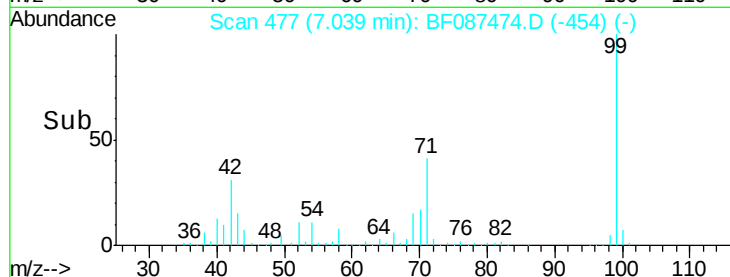
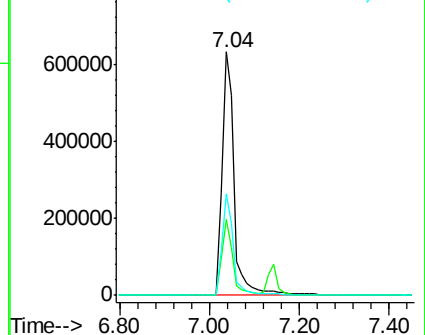
71 41.5 24.6 36.8#



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: 14.12 ng

RT: 8.40 min Scan# 596

Delta R.T. 0.15 min

Lab File: BF087474.D

Acq: 28 May 2016 8:54

Tgt Ion: 70 Resp: 103639

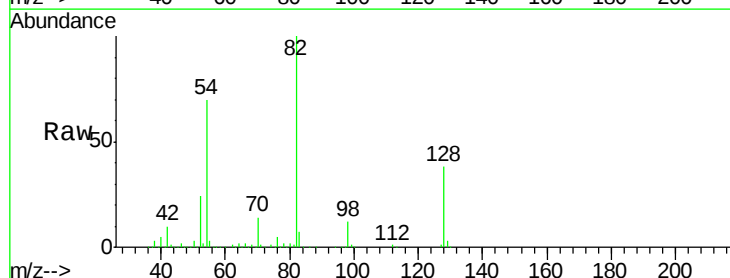
Ion Ratio Lower Upper

70 100

42 68.2 43.1 64.7#

101 0.0 8.1 12.1#

130 1.6 18.6 28.0#

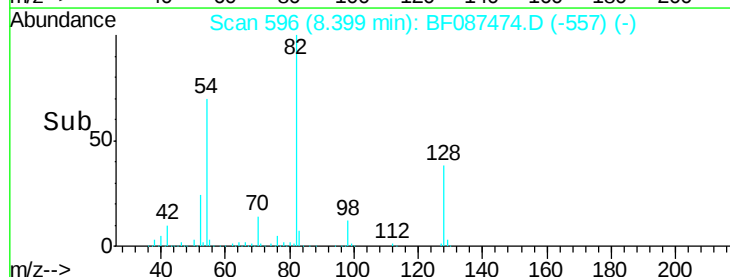
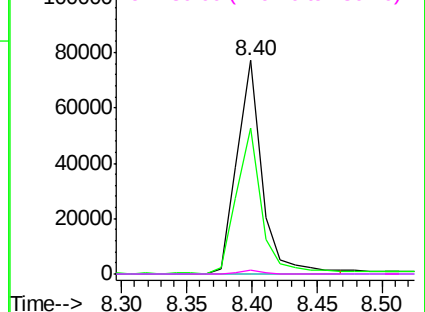


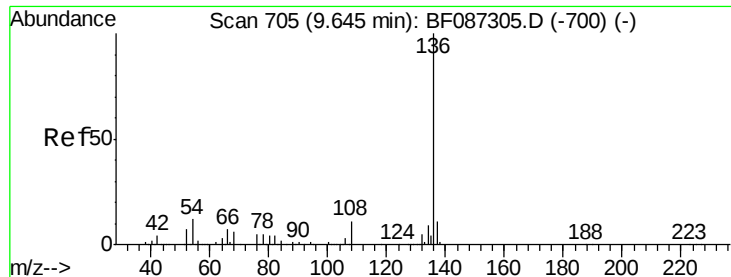
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

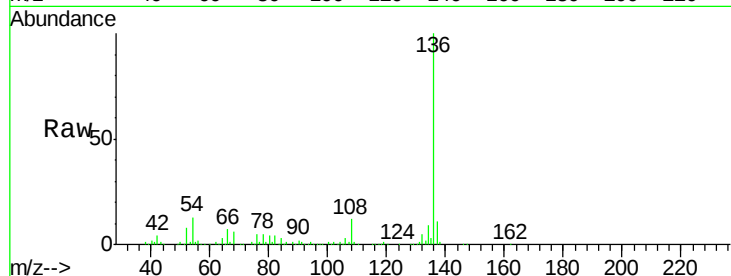




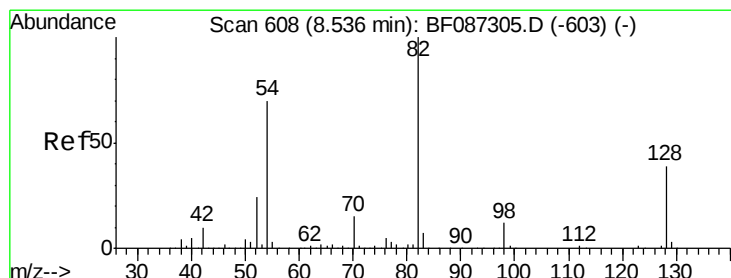
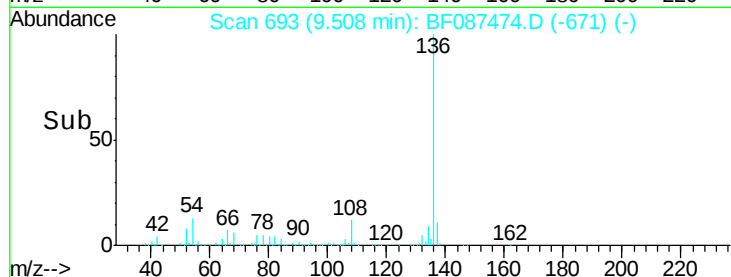
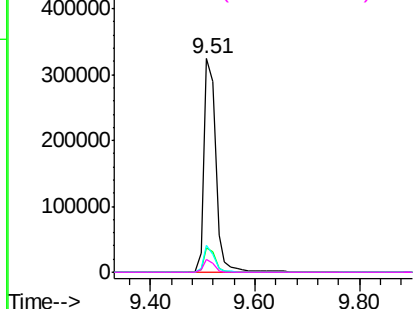
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.51 min Scan# 693
Delta R.T. -0.05 min
Lab File: BF087474.D
Acq: 28 May 2016 8:54

Instrument :
BNA_F
ClientSampled :
B-1

Tgt Ion:	136	Resp:	512898
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	12.9	5.0	7.4#
68	6.1	4.4	6.6

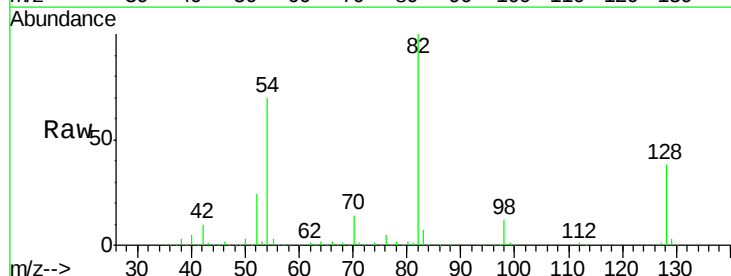


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

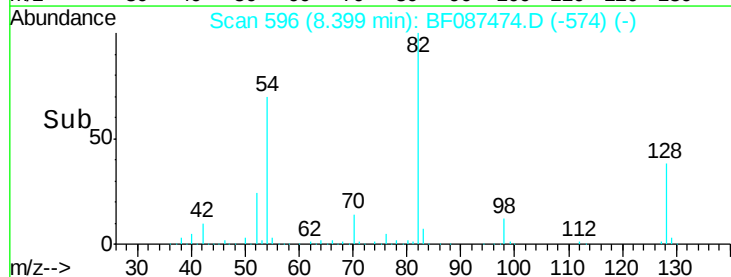
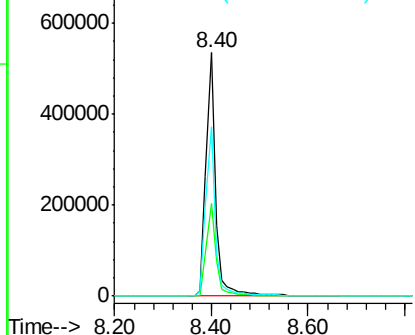


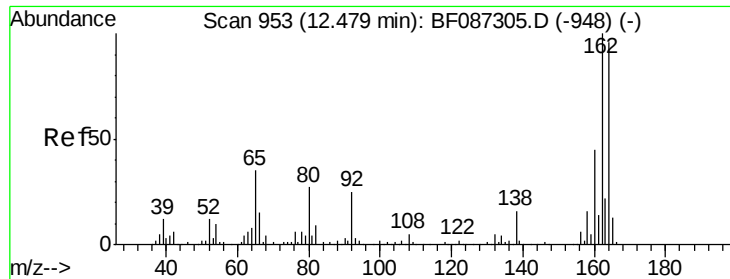
#23
Nitrobenzene-d5
Concen: 74.01 ng
RT: 8.40 min Scan# 596
Delta R.T. -0.05 min
Lab File: BF087474.D
Acq: 28 May 2016 8:54

Tgt Ion:	82	Resp:	753176
Ion	Ratio	Lower	Upper
82	100		
128	38.1	40.6	61.0#
54	69.7	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

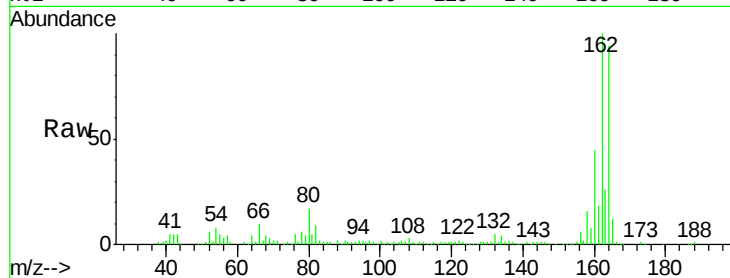




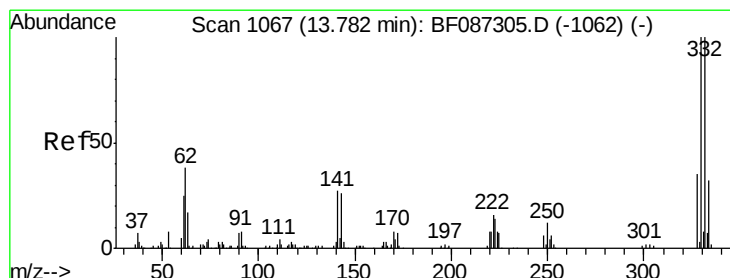
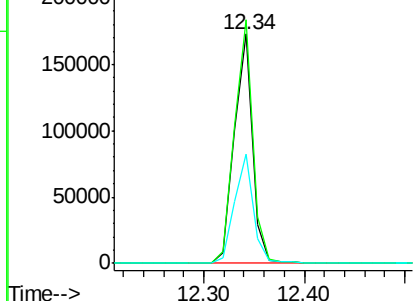
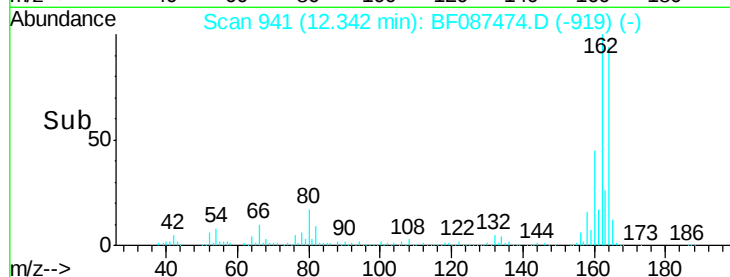
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.34 min Scan# 941
 Delta R.T. -0.05 min
 Lab File: BF087474.D
 Acq: 28 May 2016 8:54

Instrument :
 BNA_F
 ClientSampleId :
 B-1

Tgt Ion:164 Resp: 218129
 Ion Ratio Lower Upper
 164 100
 162 106.2 82.8 124.2
 160 47.9 36.9 55.3

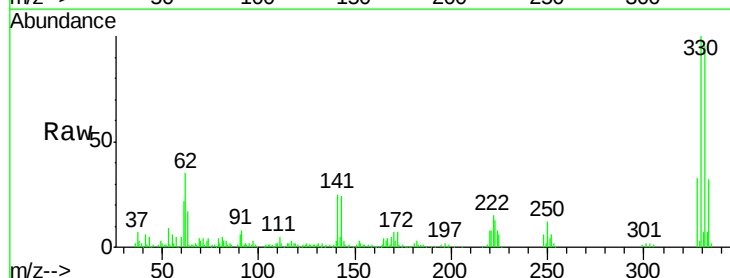


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

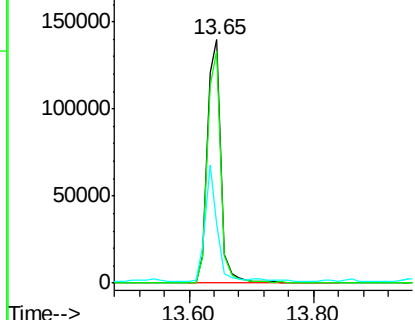
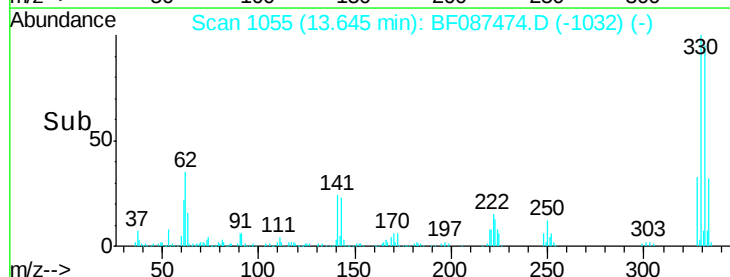


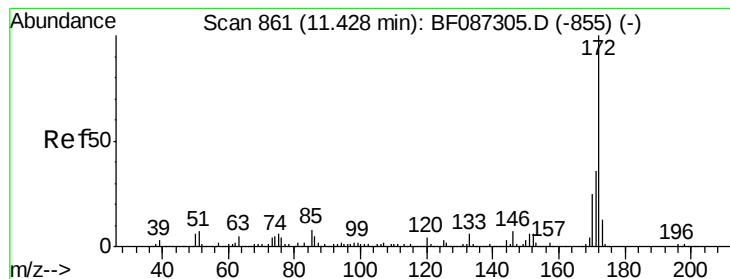
#41
 2,4,6-Tribromophenol
 Concen: 101.13 ng
 RT: 13.65 min Scan# 1055
 Delta R.T. -0.03 min
 Lab File: BF087474.D
 Acq: 28 May 2016 8:54

Tgt Ion:330 Resp: 211977
 Ion Ratio Lower Upper
 330 100
 332 95.1 79.0 118.4
 141 41.2 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: 76.97 ng

RT: 11.29 min Scan# 849

Delta R.T. -0.05 min

Lab File: BF087474.D

Acq: 28 May 2016 8:54

Instrument :

BNA_F

ClientSampleId :

B-1

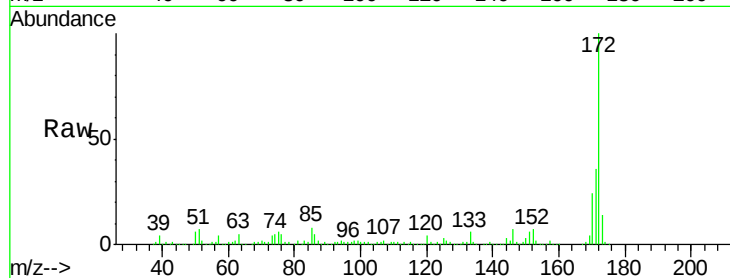
Tgt Ion:172 Resp: 1190858

Ion Ratio Lower Upper

172 100

171 36.0 29.0 43.6

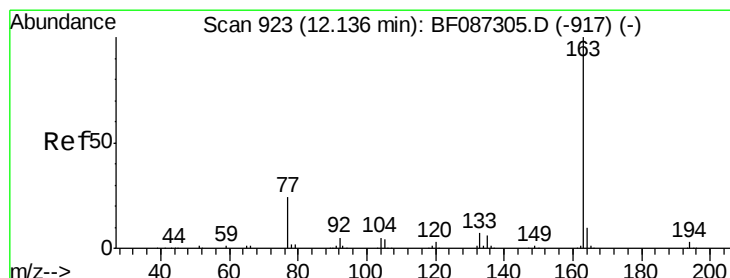
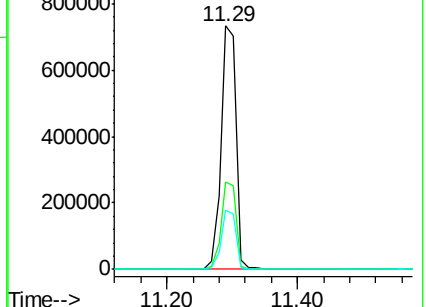
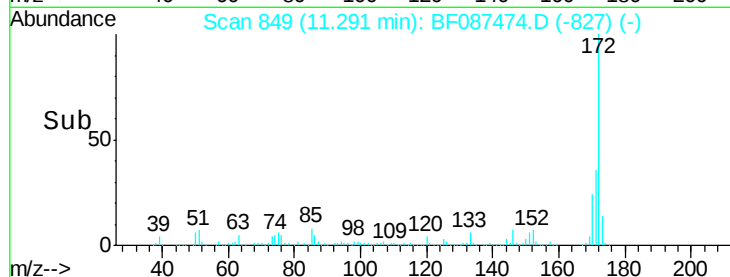
170 24.2 19.8 29.8



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: 12.67 ng

RT: 11.99 min Scan# 910

Delta R.T. -0.06 min

Lab File: BF087474.D

Acq: 28 May 2016 8:54

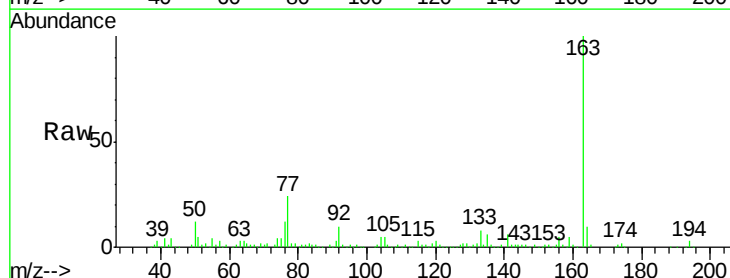
Tgt Ion:163 Resp: 221427

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

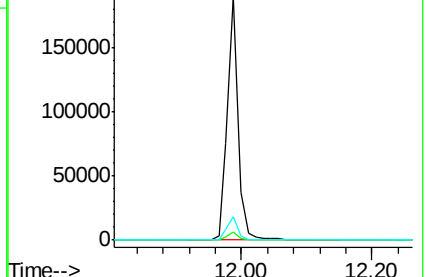
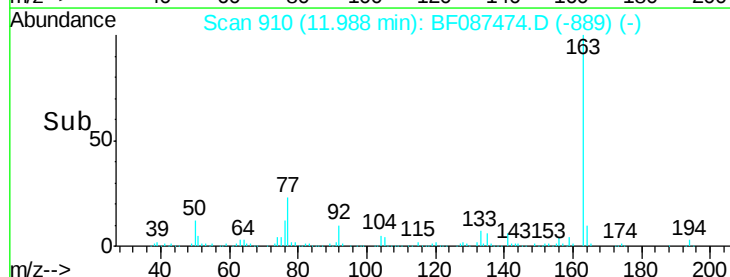
164 9.8 8.2 12.4

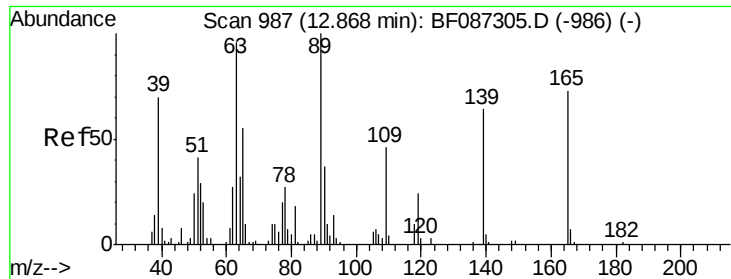


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#55

4-Nitrophenol

Concen: 2.84 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.07 min

Lab File: BF087474.D

Acq: 28 May 2016 8:54

Instrument :

BNA_F

ClientSampleId :

B-1

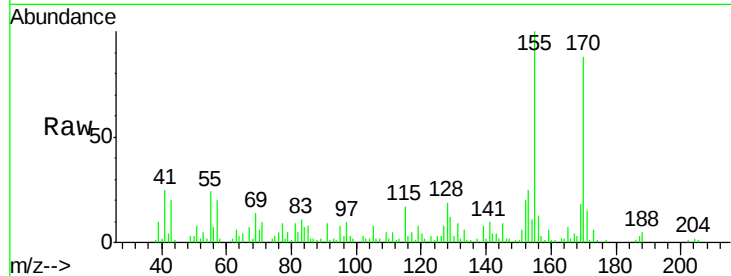
Tgt Ion:139 Resp: 4894

Ion Ratio Lower Upper

139 100

109 67.5 36.9 76.9

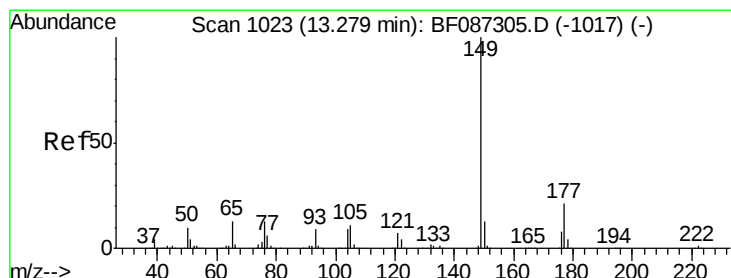
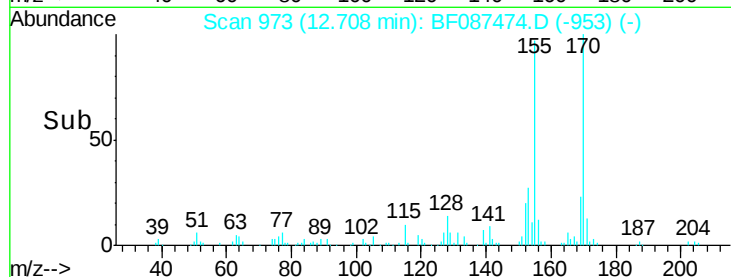
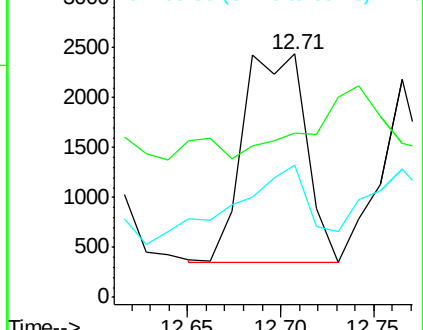
65 54.1 64.0 104.0#



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



#59

Diethylphthalate

Concen: 2.10 ng

RT: 13.13 min Scan# 1010

Delta R.T. -0.06 min

Lab File: BF087474.D

Acq: 28 May 2016 8:54

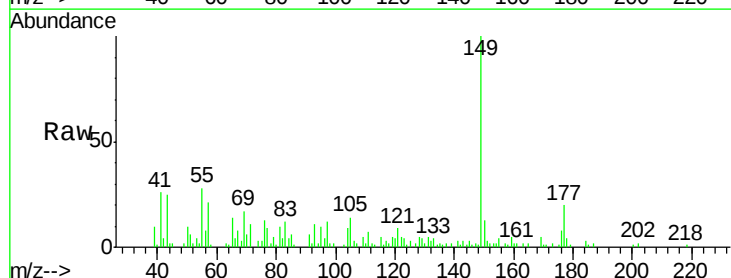
Tgt Ion:149 Resp: 35623

Ion Ratio Lower Upper

149 100

177 20.1 16.6 24.8

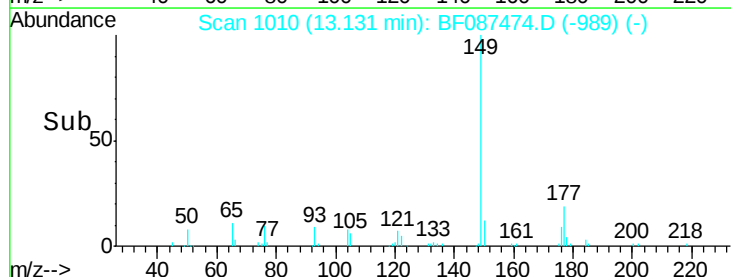
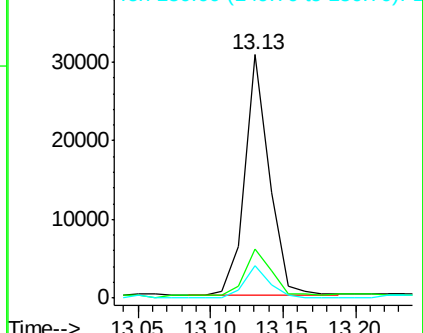
150 13.3 10.0 15.0

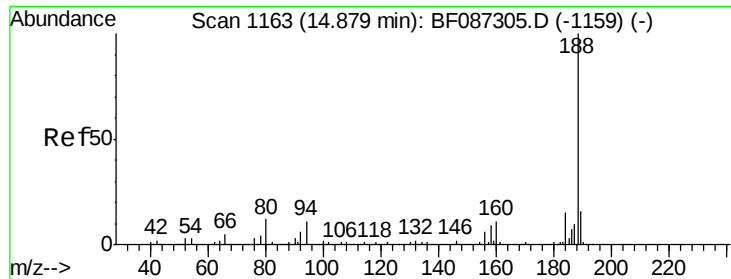


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

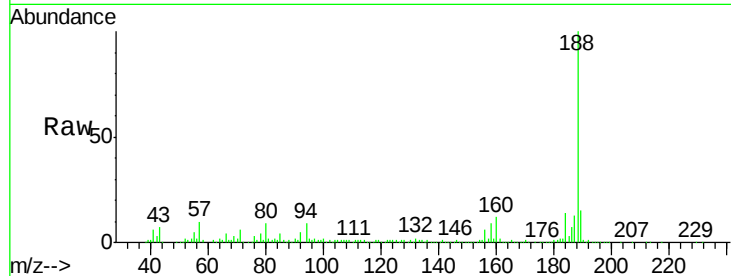




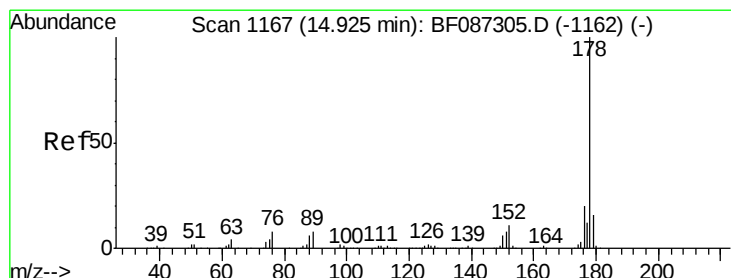
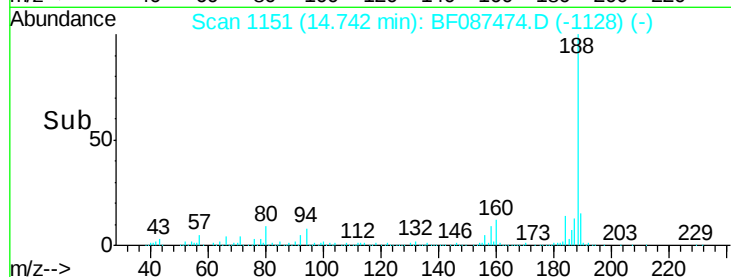
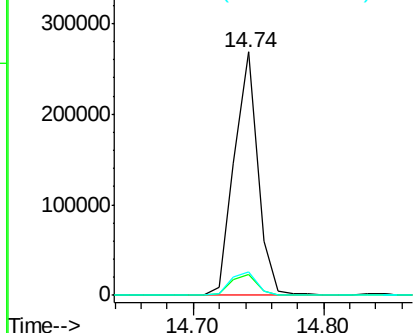
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.74 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF087474.D
Acq: 28 May 2016 8:54

Instrument :
BNA_F
ClientSampleId :
B-1

Tgt Ion:188 Resp: 338153
Ion Ratio Lower Upper
188 100
94 8.5 6.8 10.2
80 9.4 7.1 10.7

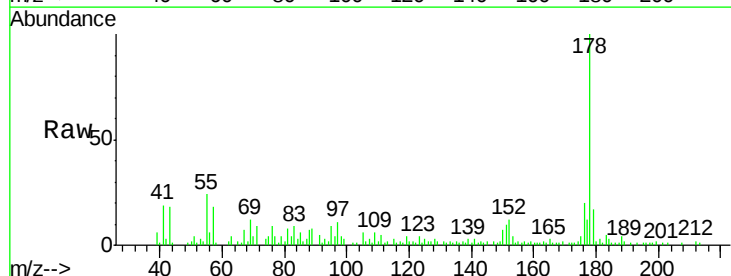


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

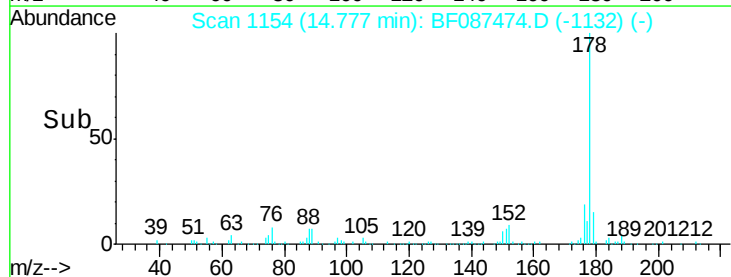
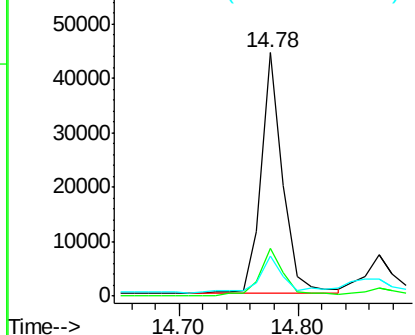


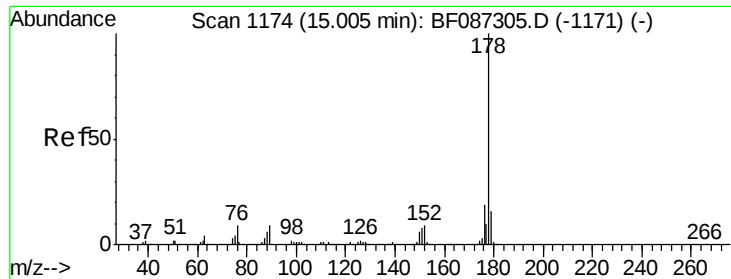
#70
Phenanthrene
Concen: 3.05 ng
RT: 14.78 min Scan# 1154
Delta R.T. -0.05 min
Lab File: BF087474.D
Acq: 28 May 2016 8:54

Tgt Ion:178 Resp: 57050
Ion Ratio Lower Upper
178 100
176 19.8 16.0 24.0
179 16.6 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

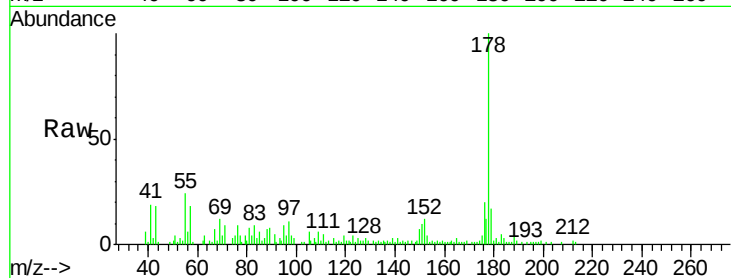




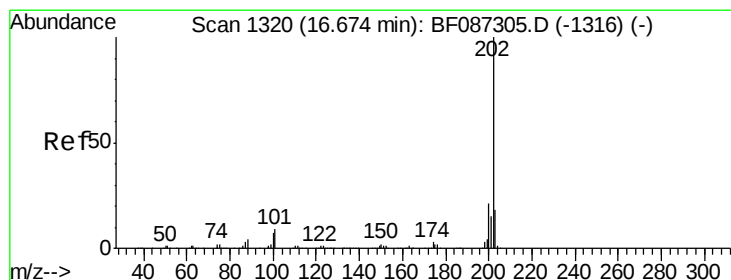
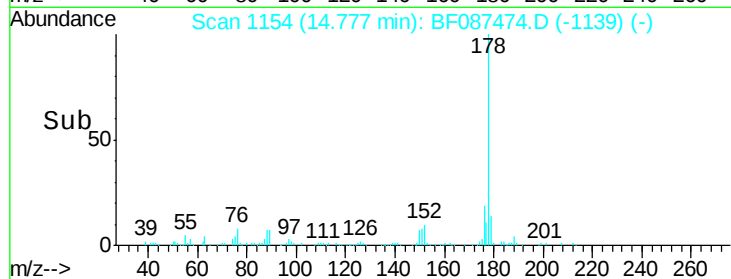
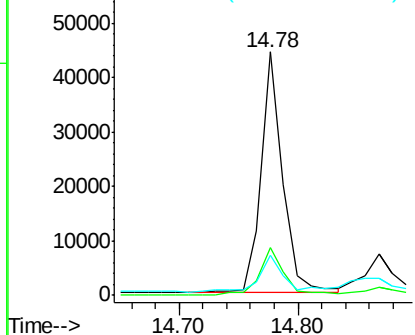
#71
 Anthracene
 Concen: 3.02 ng
 RT: 14.78 min Scan# 1154
 Delta R.T. -0.13 min
 Lab File: BF087474.D
 Acq: 28 May 2016 8:54

Instrument :
 BNA_F
 ClientSampleId :
 B-1

Tgt Ion:178 Resp: 57050
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.6 23.4
 179 16.6 12.7 19.1

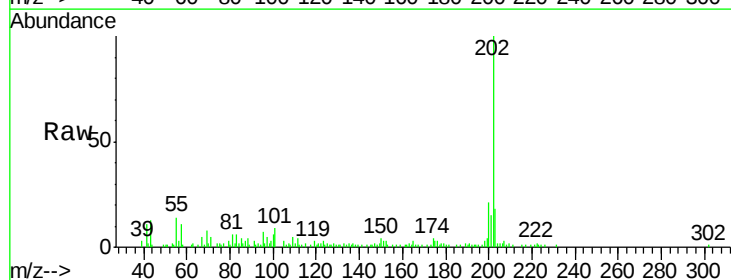


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

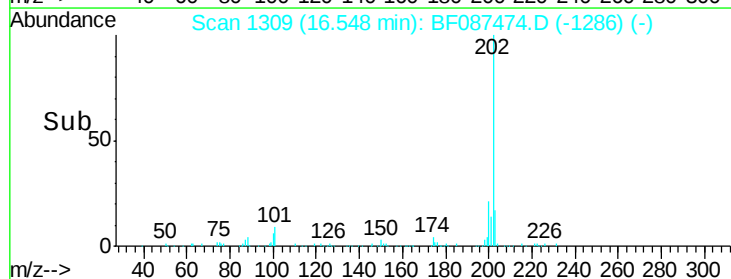
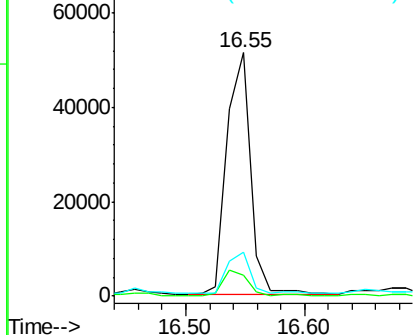


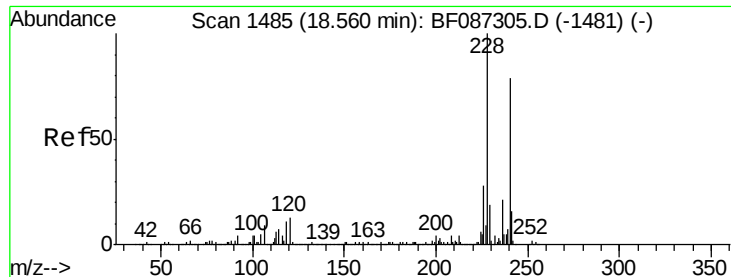
#74
 Fluoranthene
 Concen: 3.78 ng
 RT: 16.55 min Scan# 1309
 Delta R.T. -0.03 min
 Lab File: BF087474.D
 Acq: 28 May 2016 8:54

Tgt Ion:202 Resp: 70907
 Ion Ratio Lower Upper
 202 100
 101 8.6 0.0 35.4
 203 18.1 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: 18.45 min Scan# 1475

Delta R.T. -0.03 min

Lab File: BF087474.D

Acq: 28 May 2016 8:54

Instrument :

BNA_F

ClientSampleId :

B-1

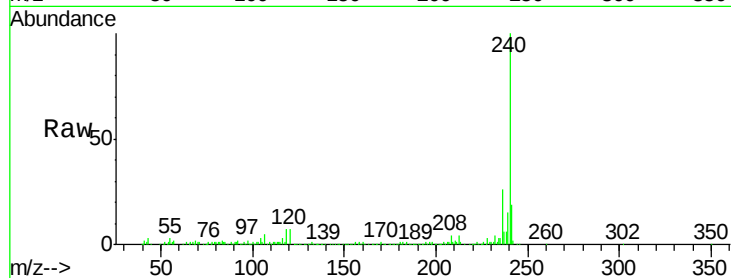
Tgt Ion:240 Resp: 246089

Ion Ratio Lower Upper

240 100

120 7.4 11.2 16.8#

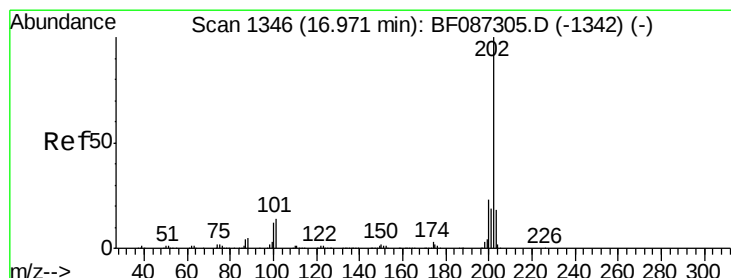
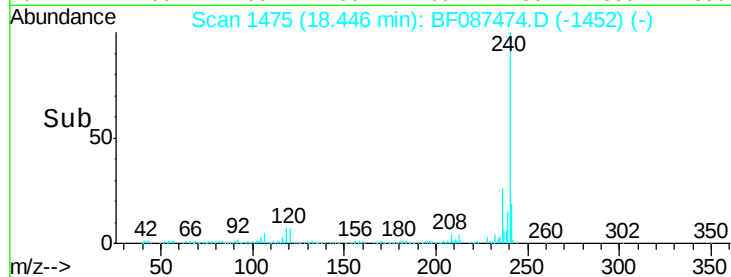
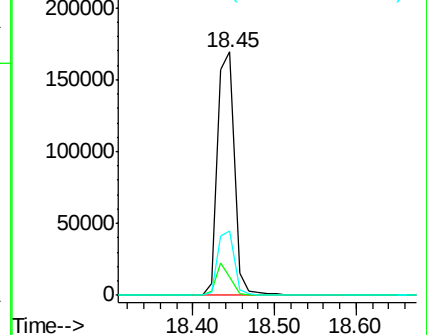
236 26.4 21.2 31.8



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



#77

Pyrene

Concen: 3.56 ng

RT: 16.85 min Scan# 1335

Delta R.T. -0.03 min

Lab File: BF087474.D

Acq: 28 May 2016 8:54

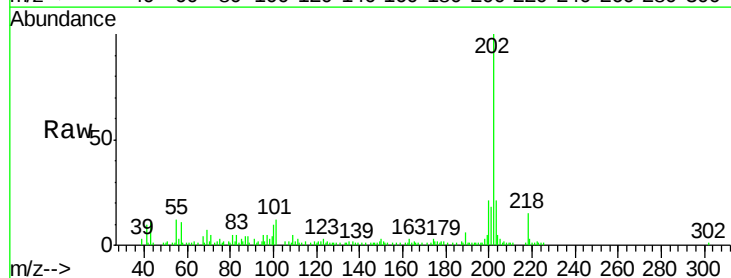
Tgt Ion:202 Resp: 62990

Ion Ratio Lower Upper

202 100

200 21.3 17.7 26.5

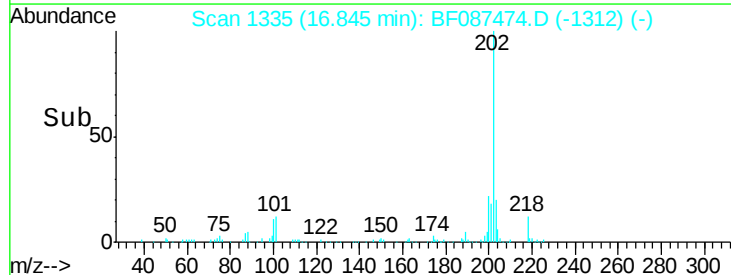
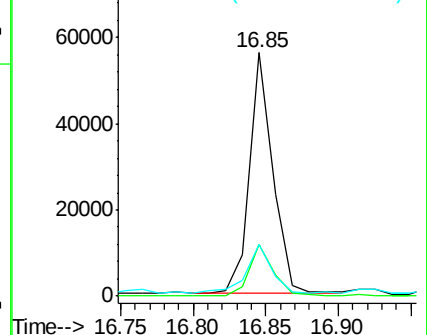
203 21.3 14.2 21.4

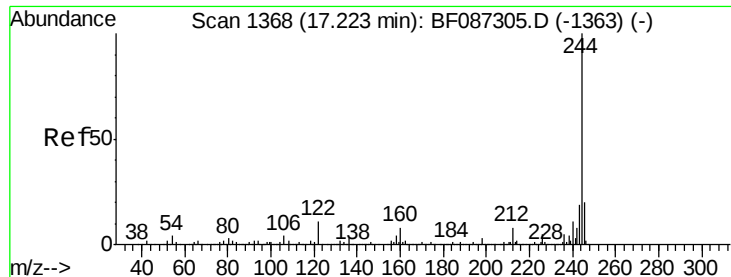


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 63.00 ng

RT: 17.10 min Scan# 1357

Delta R.T. -0.03 min

Lab File: BF087474.D

Acq: 28 May 2016 8:54

Instrument :

BNA_F

ClientSampleId :

B-1

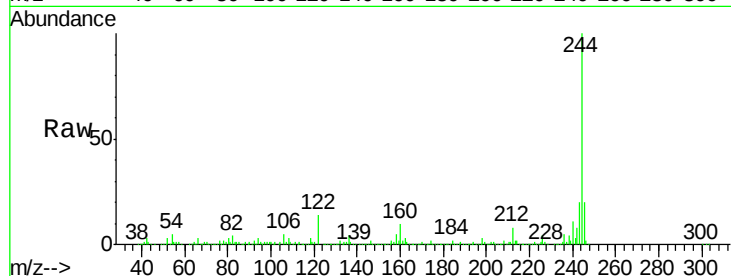
Tgt Ion:244 Resp: 729256

Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.2

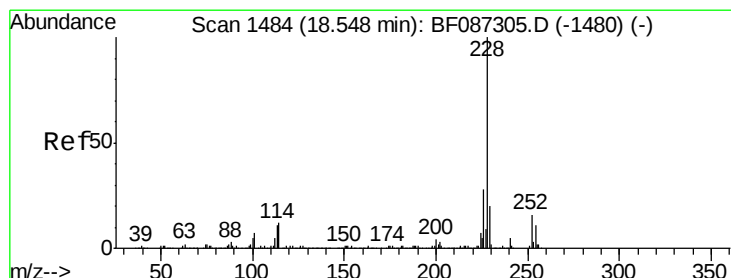
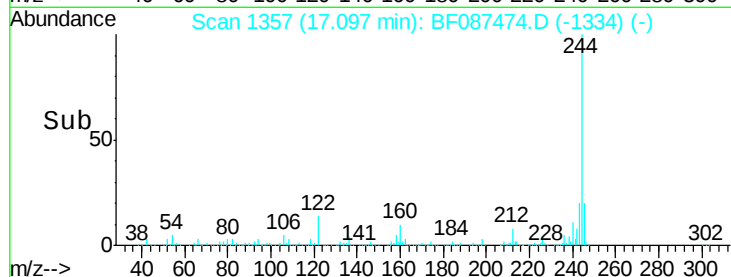
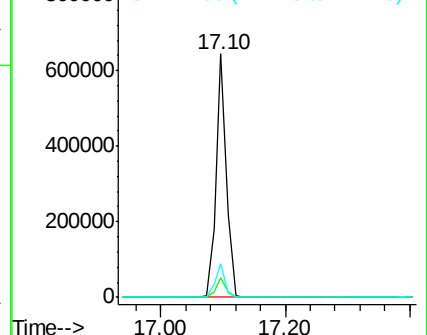
122 13.6 12.0 18.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.27 ng

RT: 18.47 min Scan# 1477

Delta R.T. 0.01 min

Lab File: BF087474.D

Acq: 28 May 2016 8:54

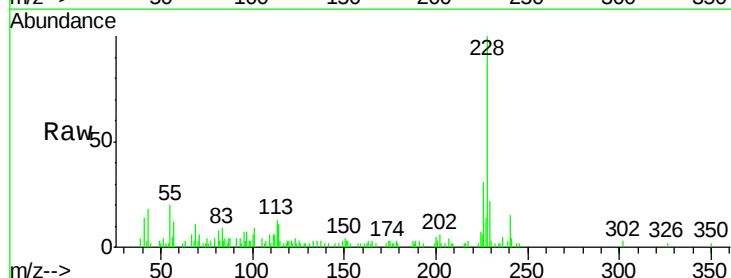
Tgt Ion:228 Resp: 31715

Ion Ratio Lower Upper

228 100

226 31.0 22.5 33.7

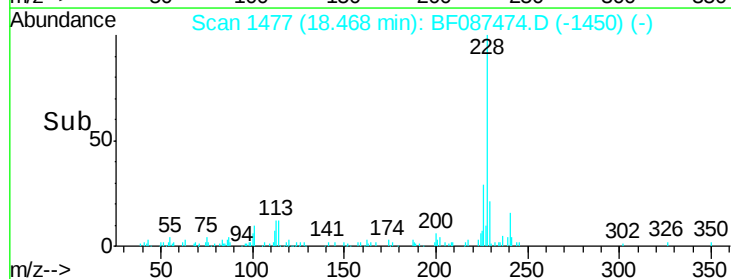
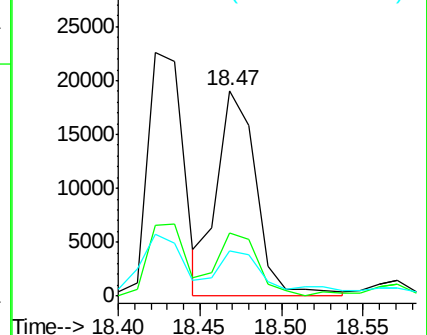
229 21.9 16.6 25.0

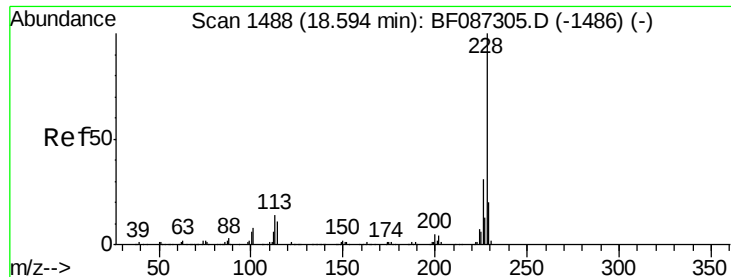


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.28 ng

RT: 18.47 min Scan# 1477

Delta R.T. -0.05 min

Lab File: BF087474.D

Acq: 28 May 2016 8:54

Instrument :

BNA_F

ClientSampleId :

B-1

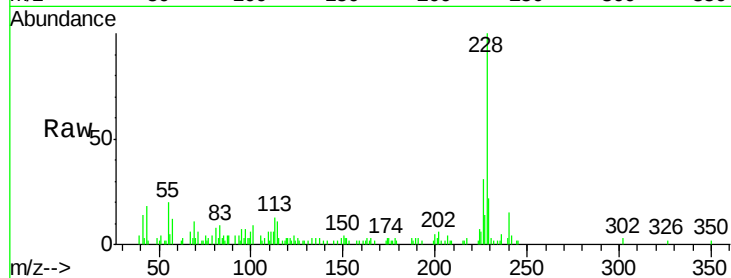
Tgt Ion:228 Resp: 31715

Ion Ratio Lower Upper

228 100

226 31.0 24.4 36.6

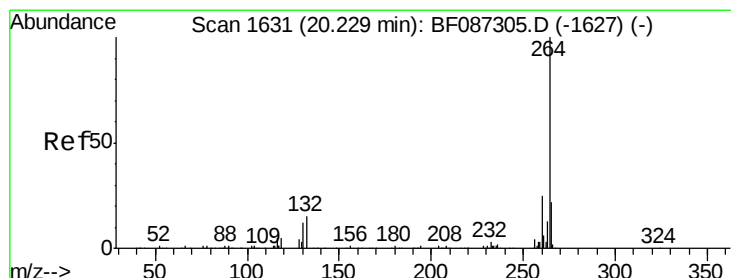
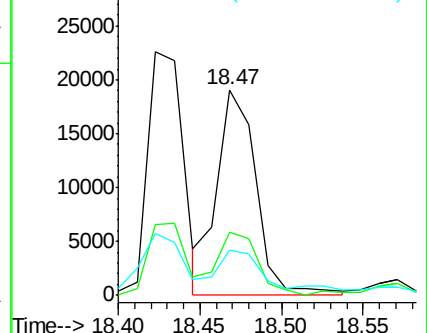
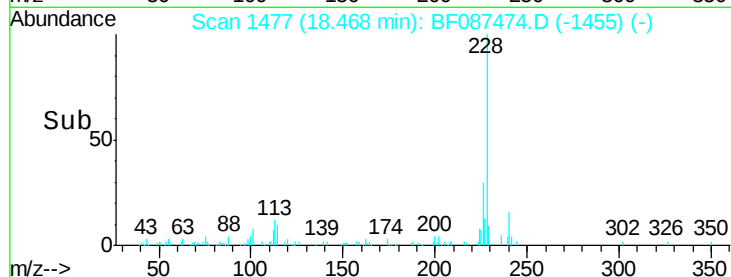
229 21.9 15.8 23.8



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.11 min Scan# 1621

Delta R.T. -0.02 min

Lab File: BF087474.D

Acq: 28 May 2016 8:54

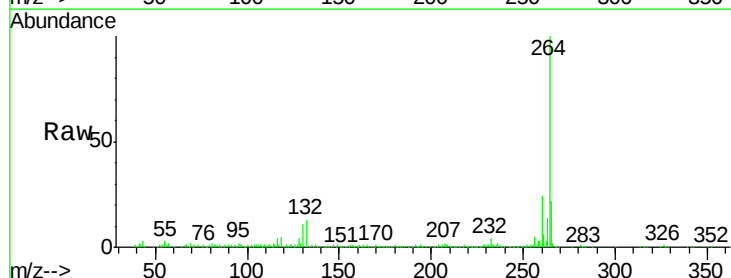
Tgt Ion:264 Resp: 187682

Ion Ratio Lower Upper

264 100

260 24.3 19.5 29.3

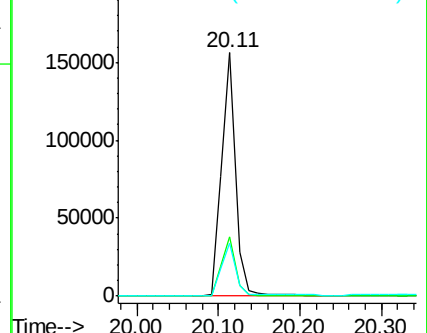
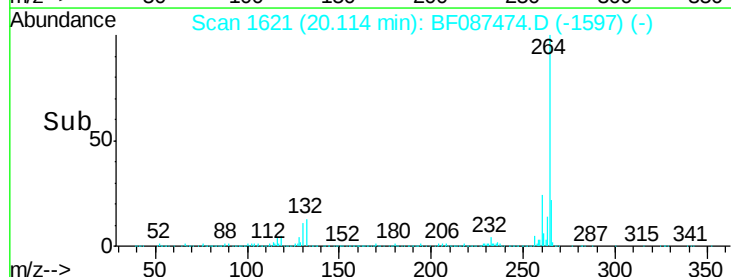
265 21.8 17.3 25.9

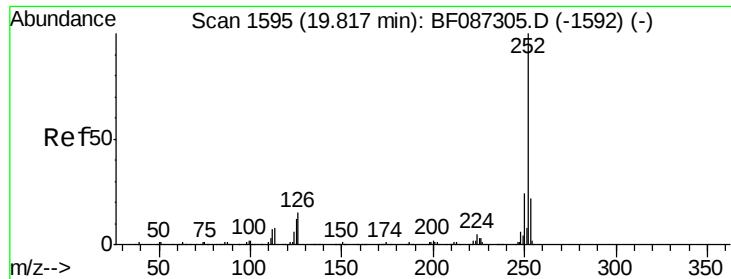


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

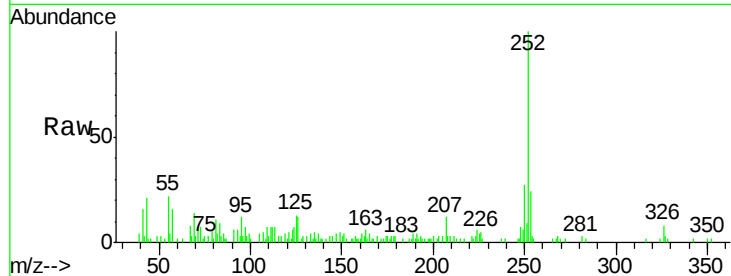




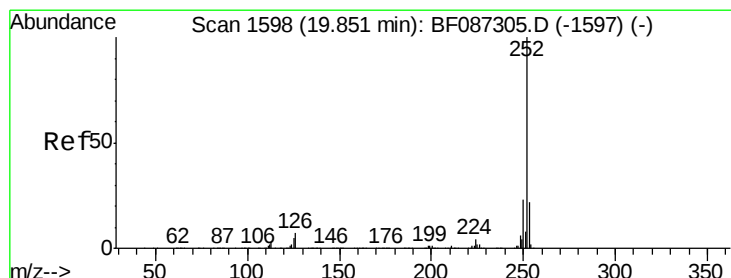
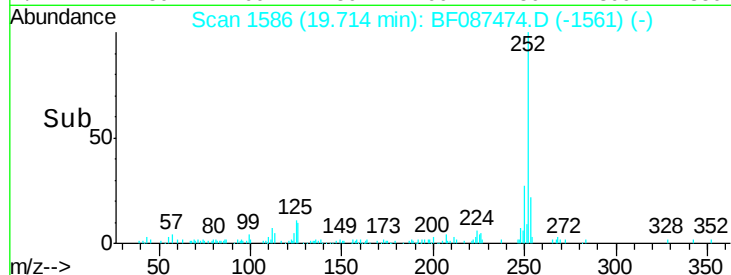
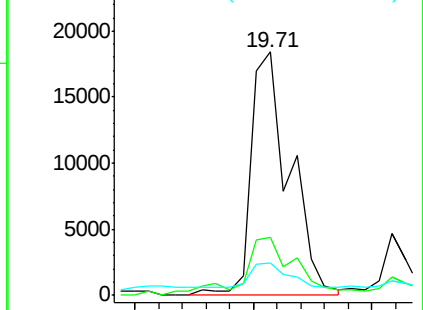
#87
Benzo(b)fluoranthene
Concen: 3.46 ng
RT: 19.71 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BF087474.D
Acq: 28 May 2016 8:54

Instrument :
BNA_F
ClientSampleId :
B-1

Tgt Ion:252 Resp: 41377
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.6
125 13.4 11.4 17.0

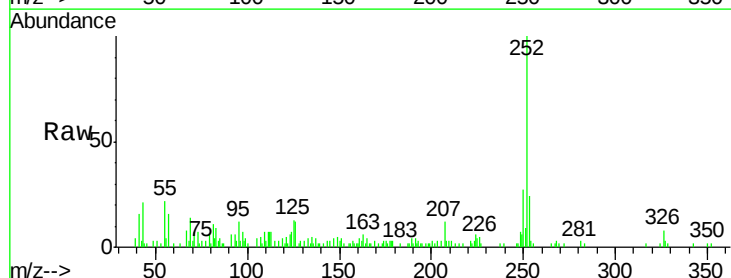


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 4.02 ng
RT: 19.71 min Scan# 1586
Delta R.T. -0.05 min
Lab File: BF087474.D
Acq: 28 May 2016 8:54

Tgt Ion:252 Resp: 41377
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.6
125 13.4 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

