

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120915\
 Data File : BF083679.D
 Acq On : 10 Dec 2015 11:43
 Operator : UM/IZ
 Sample : G4637-01DL 2X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PCPY1DL

Quant Time: Dec 10 12:30:37 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 09 00:23:35 2015
 Response via : Initial Calibration

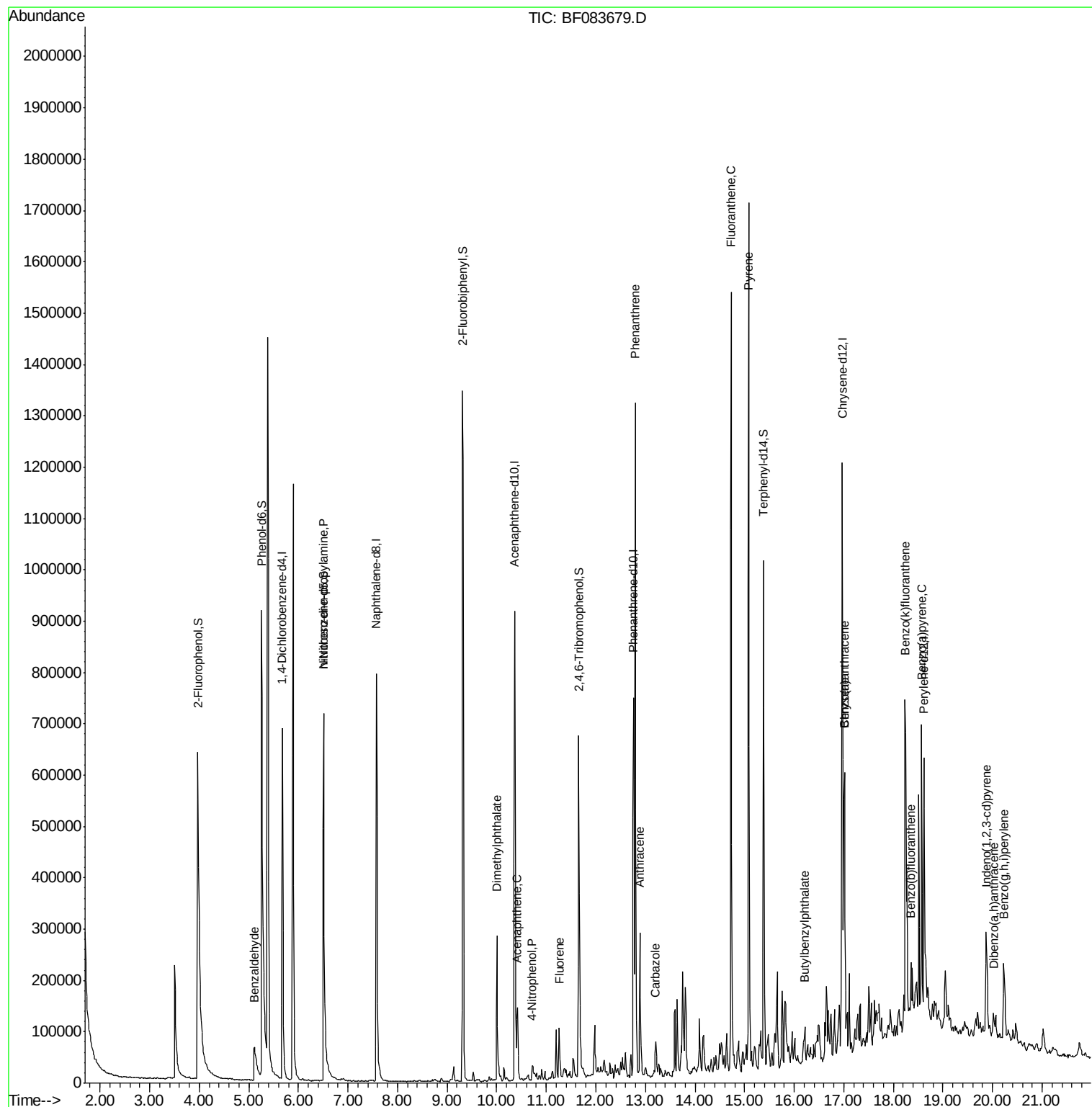
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.68	152	144289	20.00	ng	-0.02
21) Naphthalene-d8	7.57	136	558793	20.00	ng	-0.03
38) Acenaphthene-d10	10.36	164	256757	20.00	ng	-0.02
63) Phenanthrene-d10	12.76	188	398470	20.00	ng	-0.02
75) Chrysene-d12	16.97	240	322102	20.00	ng	-0.02
86) Perylene-d12	18.61	264	272692	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.97	112	589525	61.97	ng	0.00
7) Phenol-d6	5.25	99	837762	65.91	ng	-0.02
23) Nitrobenzene-d5	6.51	82	509327	42.53	ng	-0.02
41) 2,4,6-Tribromophenol	11.65	330	115970	50.70	ng	-0.03
44) 2-Fluorobiphenyl	9.31	172	698637	38.30	ng	-0.03
78) Terphenyl-d14	15.38	244	446476	32.61	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	5.12	77	59545	7.35	ng	97
19) n-Nitroso-di-n-propylamine	6.51	70	57391	6.47	ng	# 78
49) Dimethylphthalate	10.01	163	175137	8.57	ng	98
51) Acenaphthene	10.42	154	53437	3.36	ng	98
55) 4-Nitrophenol	10.72	139	8985	4.55	ng	# 5
57) Fluorene	11.26	166	48155	2.50	ng	99
70) Phenanthrene	12.80	178	738554	32.26	ng	100
71) Anthracene	12.89	178	174237	7.35	ng	96
72) Carbazole	13.21	167	58858	2.89	ng	97
74) Fluoranthene	14.73	202	970529	41.44	ng	99
77) Pyrene	15.08	202	849506	36.63	ng	# 94
79) Butylbenzylphthalate	16.21	149	20822	2.02	ng	100
80) Benzo(a)anthracene	17.01	228	373881	19.83	ng	98
82) Chrysene	17.01	228	373881	19.78	ng	98
85) Indeno(1,2,3-cd)pyrene	19.87	276	138789	10.88	ng	# 100
87) Benzo(b)fluoranthene	18.35	252	54984	3.54	ng	95
88) Benzo(k)fluoranthene	18.24	252	535173	31.28	ng	98
89) Benzo(a)pyrene	18.57	252	263406	17.38	ng	96
90) Dibenzo(a,h)anthracene	20.02	278	27971	2.41	ng	95
91) Benzo(g,h,i)perylene	20.23	276	128560	11.38	ng	97

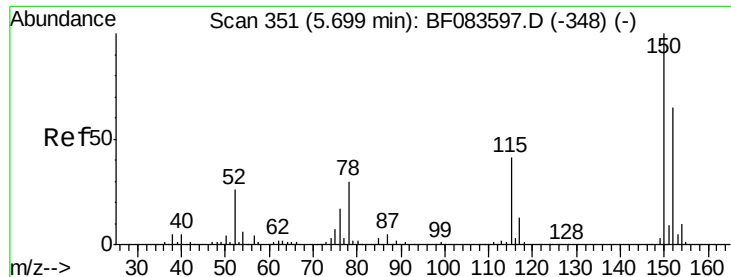
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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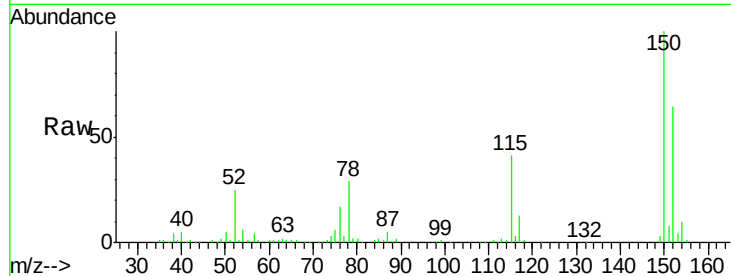


#1

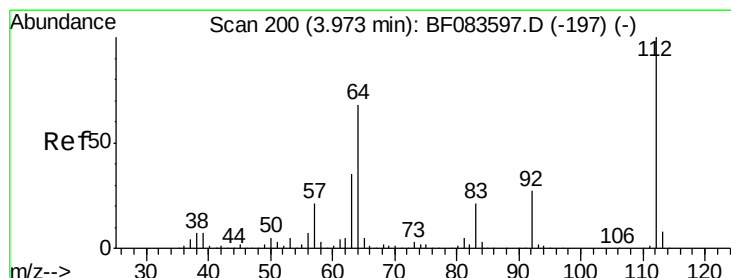
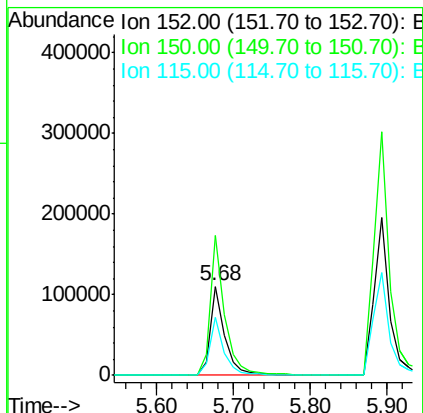
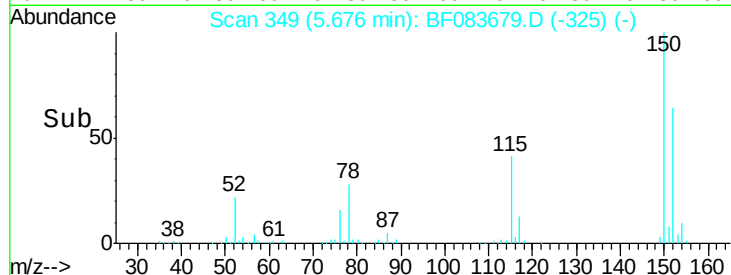
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.68 min Scan# 349
Delta R.T. -0.02 min
Lab File: BF083679.D
Acq: 10 Dec 2015 11:43

Instrument :
BNA_F
ClientSampleId :
PCPY1DL

Tgt Ion:152 Resp: 144289
Ion Ratio Lower Upper
152 100
150 157.5 126.5 189.7
115 64.8 52.3 78.5



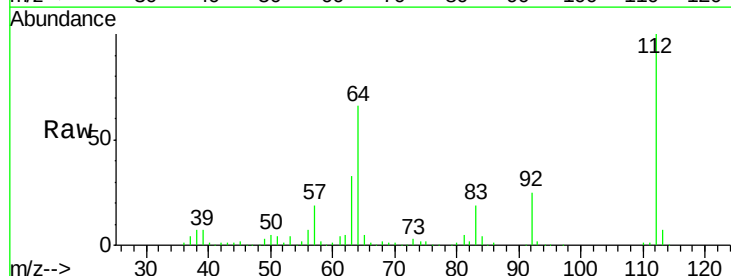
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



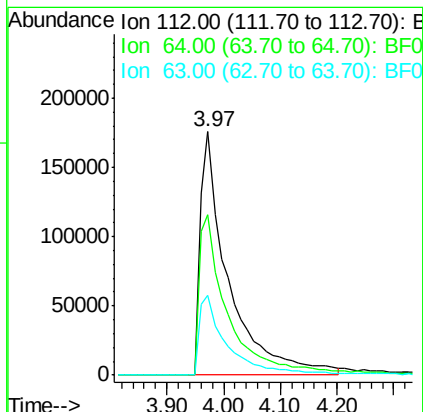
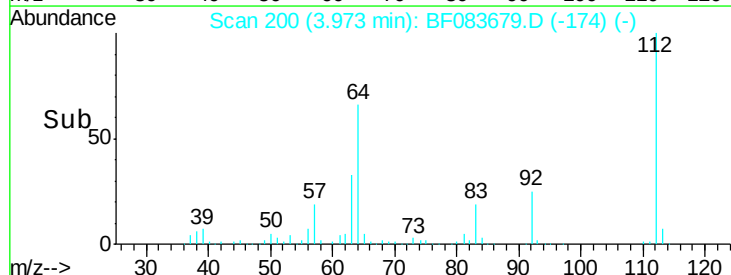
#5

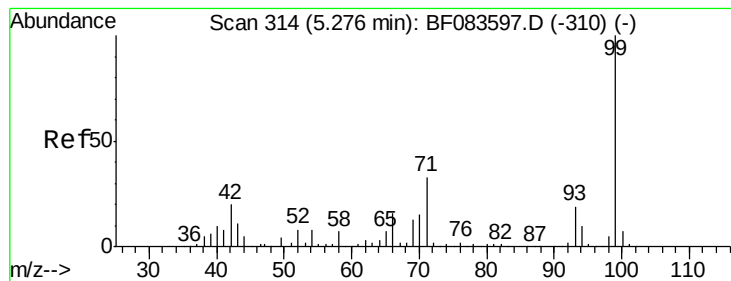
2-Fluorophenol
Concen: 61.97 ng
RT: 3.97 min Scan# 200
Delta R.T. 0.00 min
Lab File: BF083679.D
Acq: 10 Dec 2015 11:43

Tgt Ion:112 Resp: 589525
Ion Ratio Lower Upper
112 100
64 65.8 50.5 75.7
63 32.9 25.8 38.6



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: 65.91 ng

RT: 5.25 min Scan# 312

Delta R.T. -0.02 min

Lab File: BF083679.D

Acq: 10 Dec 2015 11:43

Instrument :

BNA_F

ClientSampleId :

PCPY1DL

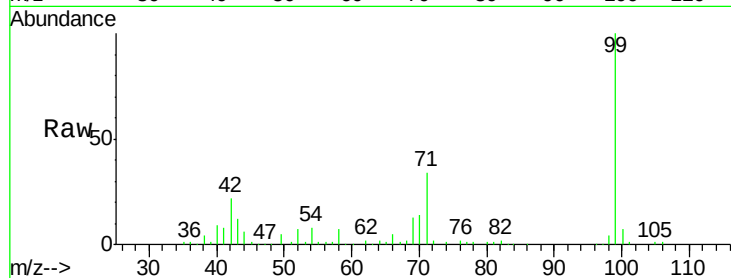
Tgt Ion: 99 Resp: 837762

Ion Ratio Lower Upper

99 100

42 22.2 17.3 25.9

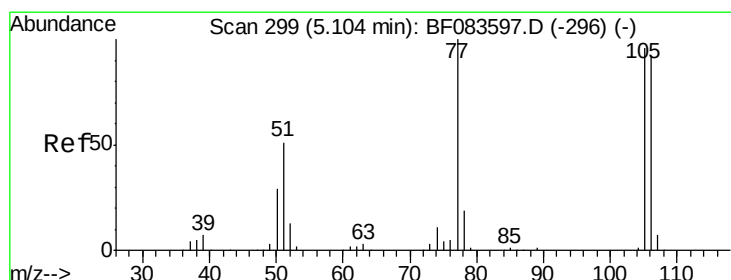
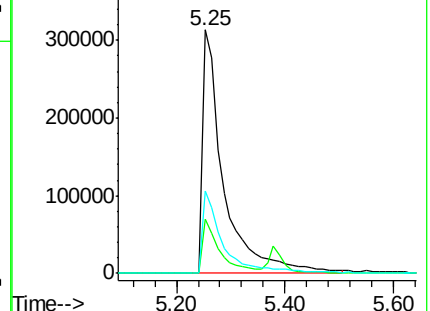
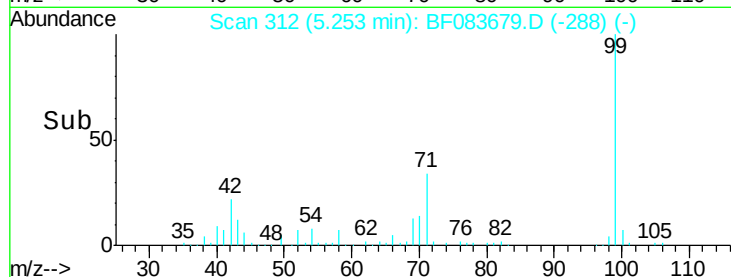
71 33.8 26.6 40.0



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: 7.35 ng

RT: 5.12 min Scan# 300

Delta R.T. 0.01 min

Lab File: BF083679.D

Acq: 10 Dec 2015 11:43

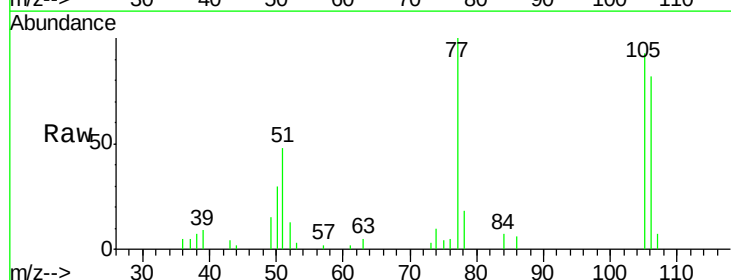
Tgt Ion: 77 Resp: 59545

Ion Ratio Lower Upper

77 100

105 93.0 71.8 111.8

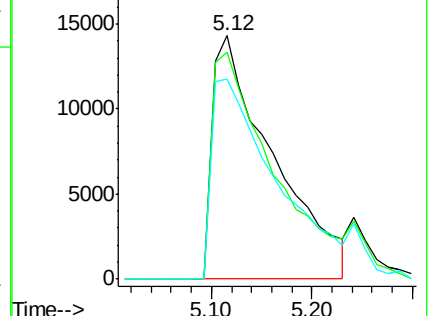
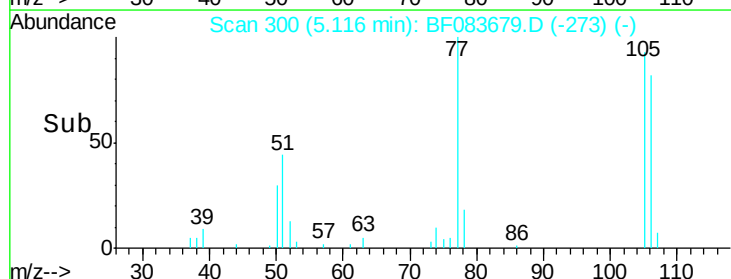
106 82.0 66.8 106.8

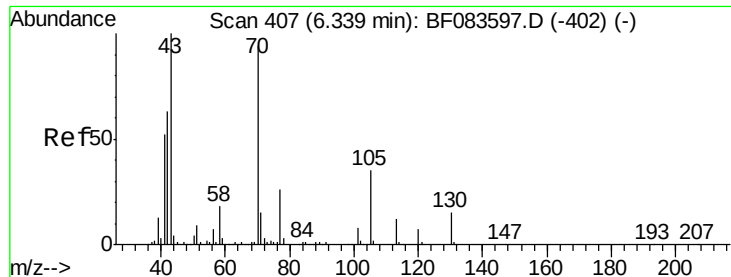


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0

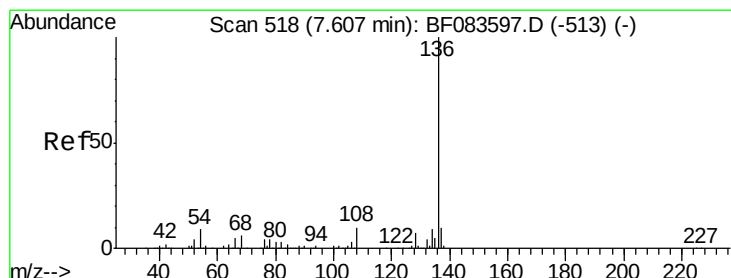
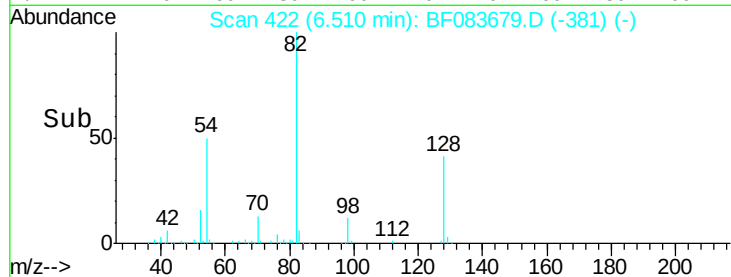
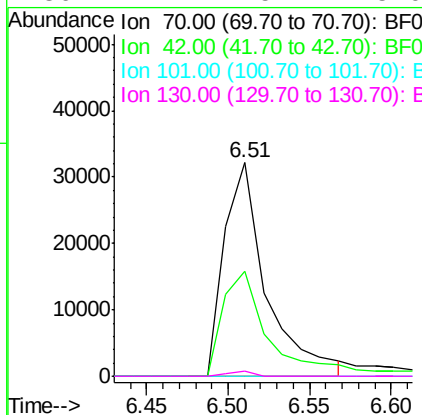
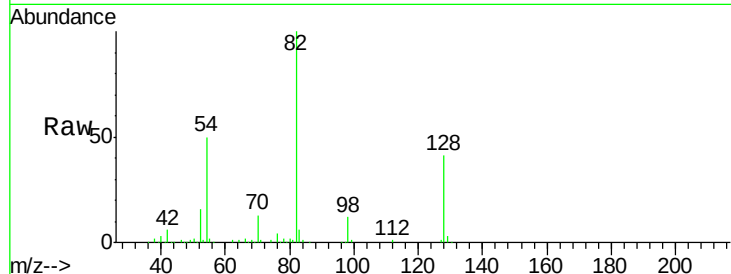




#19
n-Nitroso-di-n-propylamine
Concen: 6.47 ng
RT: 6.51 min Scan# 422
Delta R.T. 0.17 min
Lab File: BF083679.D
Acq: 10 Dec 2015 11:43

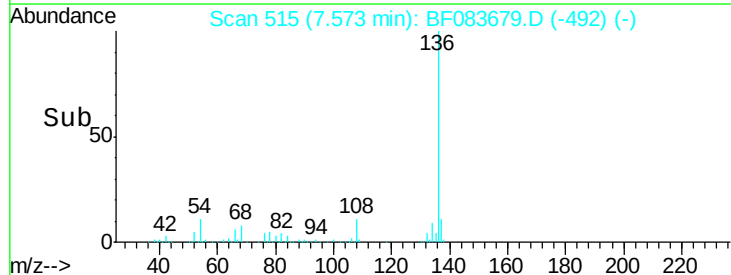
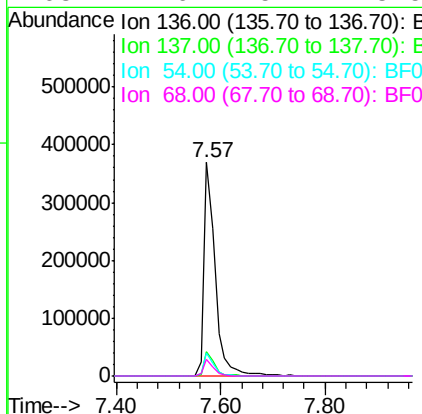
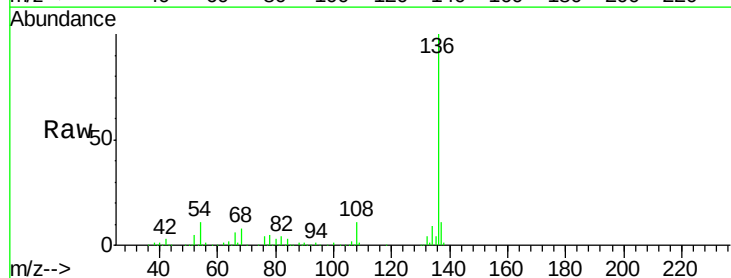
Instrument :
BNA_F
ClientSampleId :
PCPY1DL

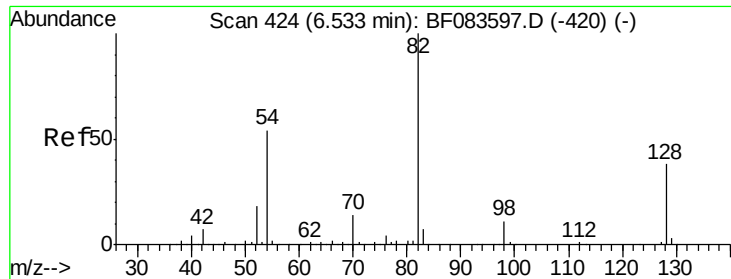
Tgt Ion: 70 Resp: 57391
Ion Ratio Lower Upper
70 100
42 48.9 49.2 73.8#
101 0.0 7.1 10.7#
130 2.4 15.4 23.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.57 min Scan# 515
Delta R.T. -0.03 min
Lab File: BF083679.D
Acq: 10 Dec 2015 11:43

Tgt Ion: 136 Resp: 558793
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 10.8 7.8 11.6
68 7.6 5.7 8.5

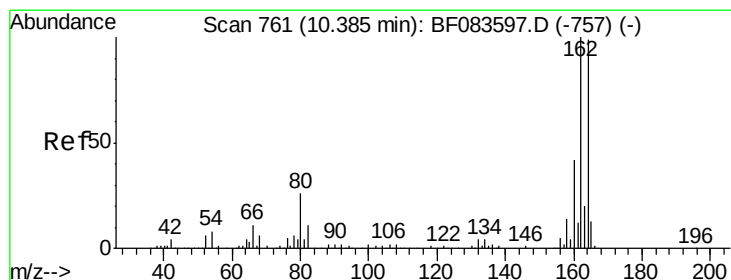
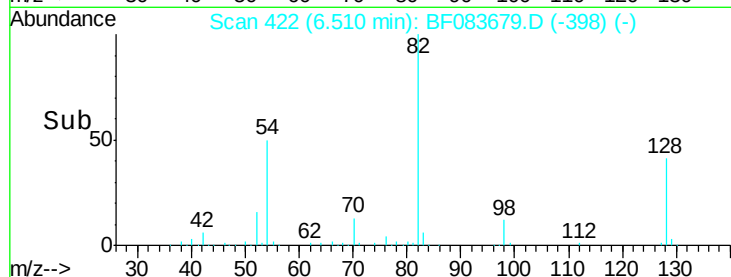
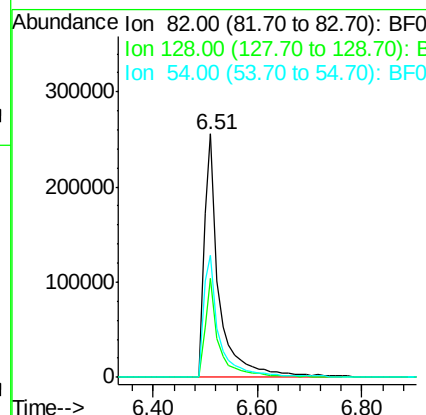
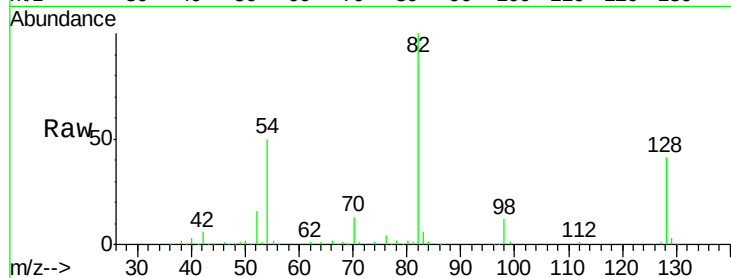




#23
 Nitrobenzene-d5
 Concen: 42.53 ng
 RT: 6.51 min Scan# 422
 Delta R.T. -0.02 min
 Lab File: BF083679.D
 Acq: 10 Dec 2015 11:43

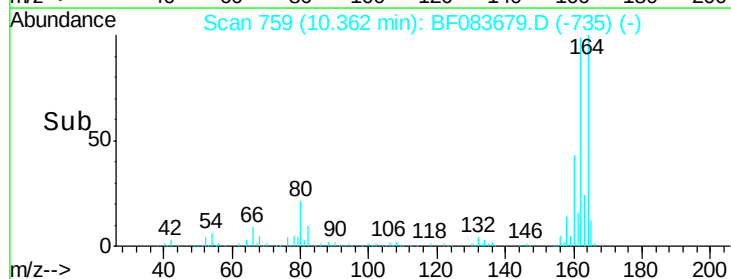
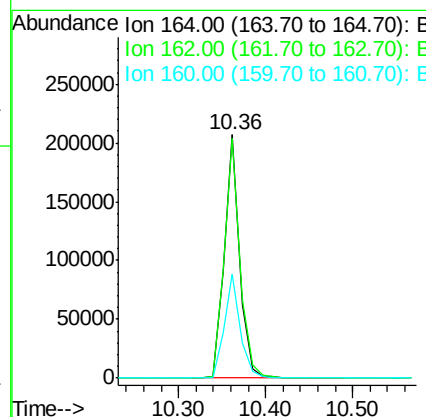
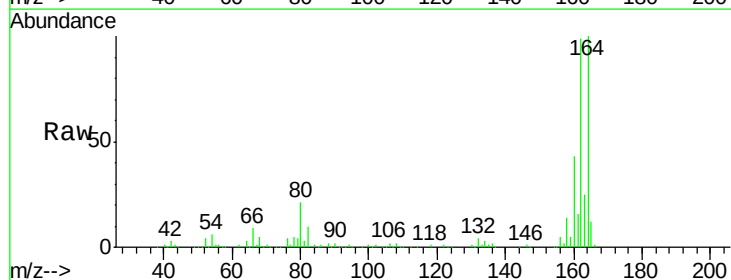
Instrument :
 BNA_F
 ClientSampleId :
 PCPY1DL

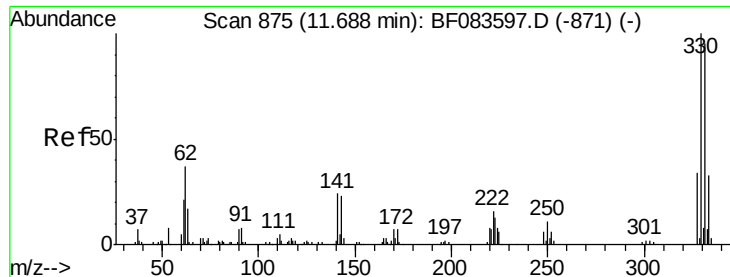
Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.8	30.7	46.1
54	50.0	42.5	63.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.36 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: BF083679.D
 Acq: 10 Dec 2015 11:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.7	78.8	118.2
160	42.8	33.4	50.2

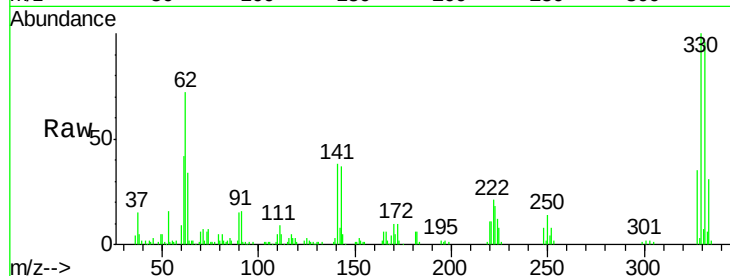




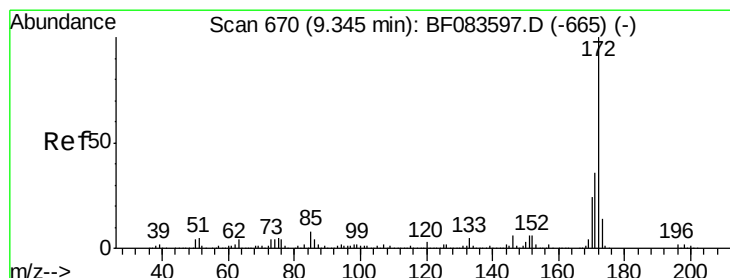
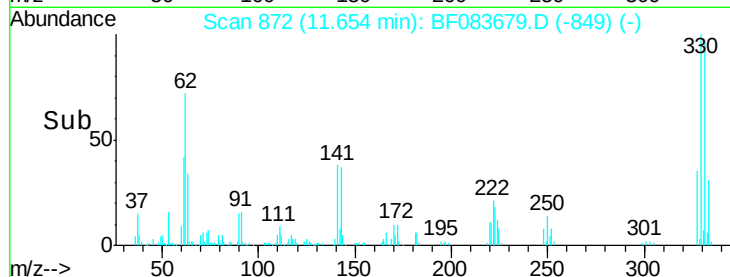
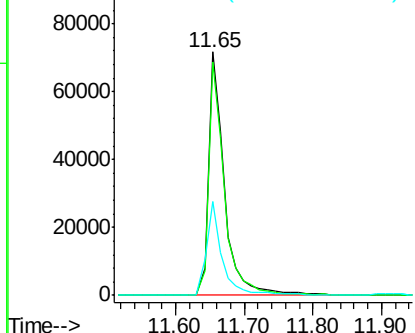
#41
 2,4,6-Tribromophenol
 Concen: 50.70 ng
 RT: 11.65 min Scan# 872
 Delta R.T. -0.03 min
 Lab File: BF083679.D
 Acq: 10 Dec 2015 11:43

Instrument :
 BNA_F
 ClientSampleID :
 PCPY1DL

Tgt Ion:330 Resp: 115970
 Ion Ratio Lower Upper
 330 100
 332 95.2 0.0 0.0#
 141 38.2 0.0 0.0#

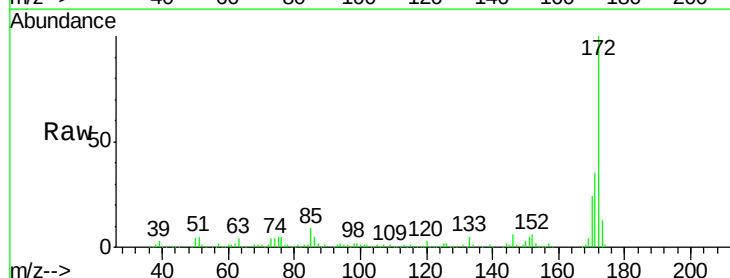


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

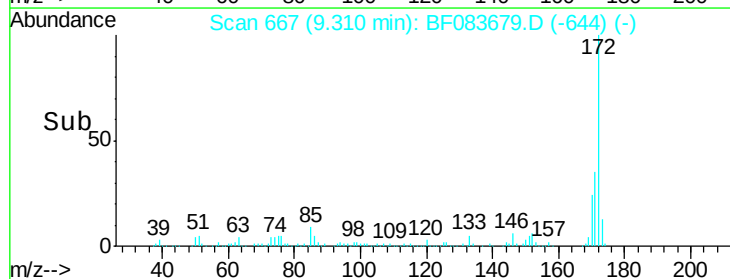
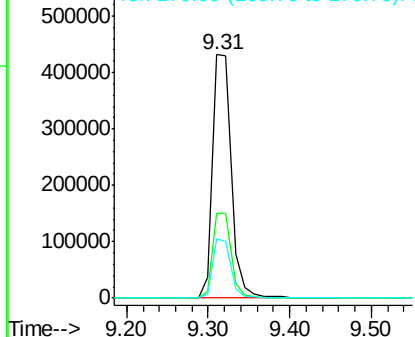


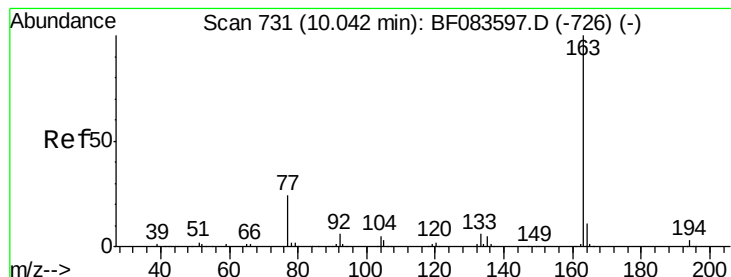
#44
 2-Fluorobiphenyl
 Concen: 38.30 ng
 RT: 9.31 min Scan# 667
 Delta R.T. -0.03 min
 Lab File: BF083679.D
 Acq: 10 Dec 2015 11:43

Tgt Ion:172 Resp: 698637
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.6 42.8
 170 24.3 19.4 29.0



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: 8.57 ng

RT: 10.01 min Scan# 728

Delta R.T. -0.03 min

Lab File: BF083679.D

Acq: 10 Dec 2015 11:43

Instrument :

BNA_F

ClientSampleId :

PCPY1DL

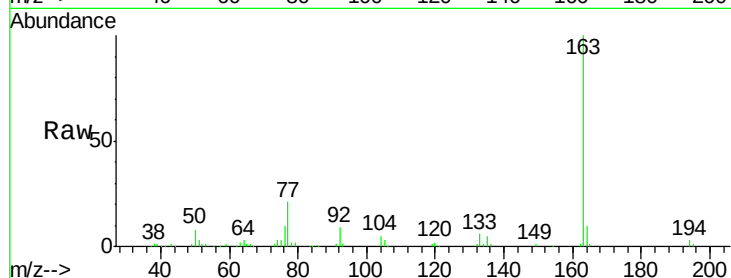
Tgt Ion:163 Resp: 175137

Ion Ratio Lower Upper

163 100

194 3.5 2.8 4.2

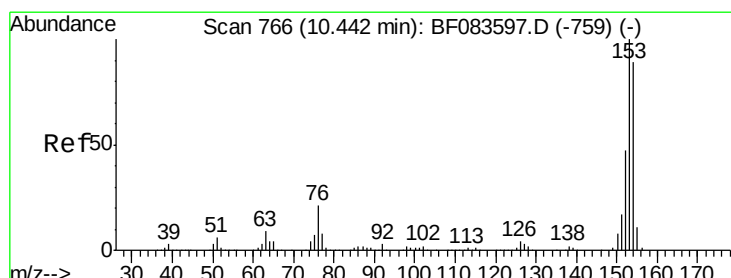
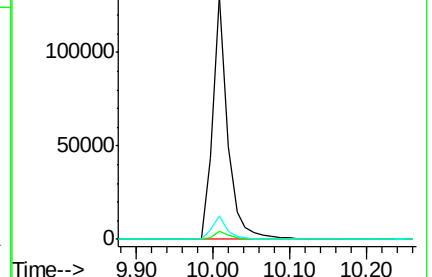
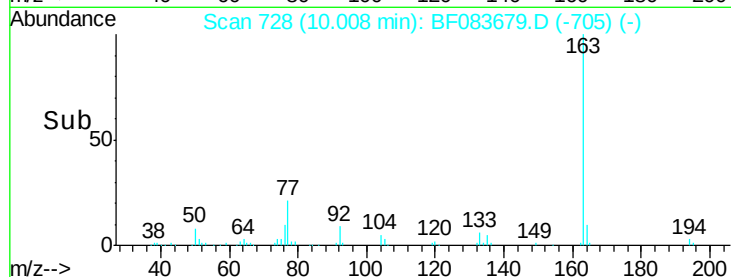
164 9.9 8.6 13.0



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



#51

Acenaphthene

Concen: 3.36 ng

RT: 10.42 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF083679.D

Acq: 10 Dec 2015 11:43

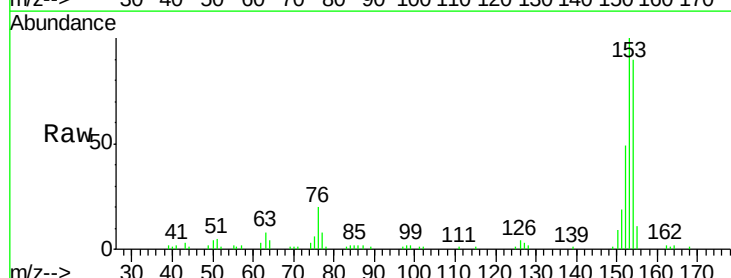
Tgt Ion:154 Resp: 53437

Ion Ratio Lower Upper

154 100

153 110.8 91.4 137.0

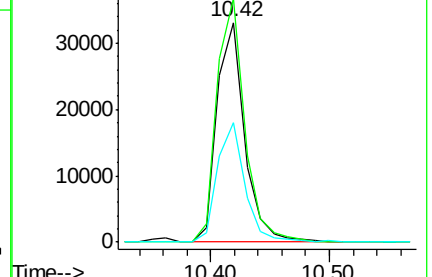
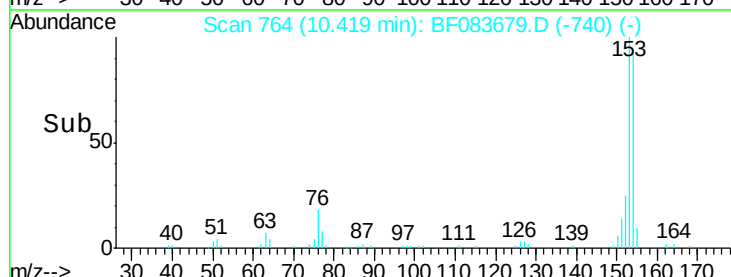
152 54.4 43.4 65.2

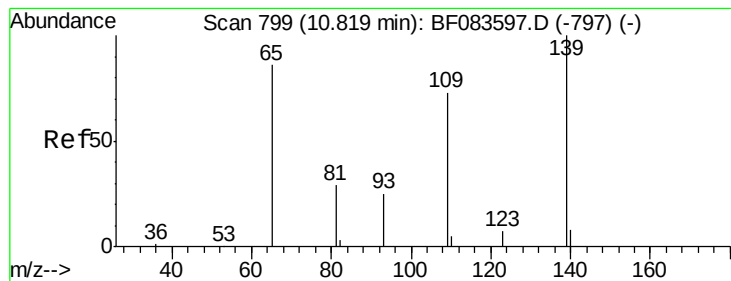


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#55

4-Nitrophenol

Concen: 4.55 ng

RT: 10.72 min Scan# 790

Delta R.T. -0.10 min

Lab File: BF083679.D

Acq: 10 Dec 2015 11:43

Instrument :

BNA_F

ClientSampleId :

PCPY1DL

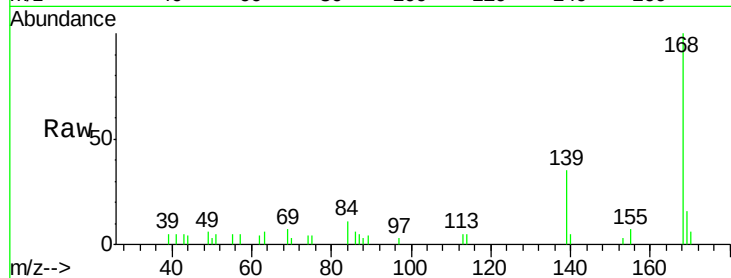
Tgt Ion:139 Resp: 8985

Ion Ratio Lower Upper

139 100

109 0.0 42.0 82.0#

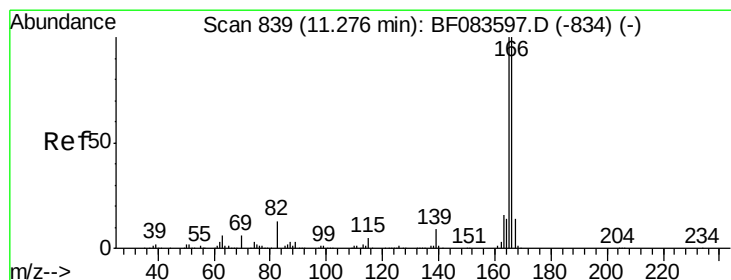
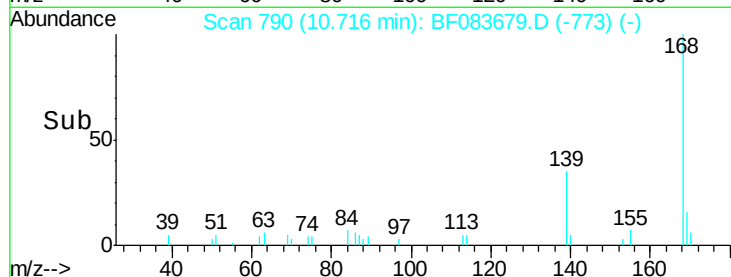
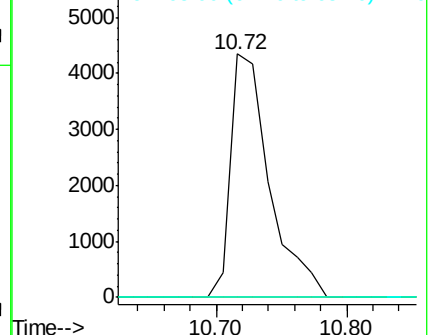
65 0.0 89.2 129.2#



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



#57

Fluorene

Concen: 2.50 ng

RT: 11.26 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF083679.D

Acq: 10 Dec 2015 11:43

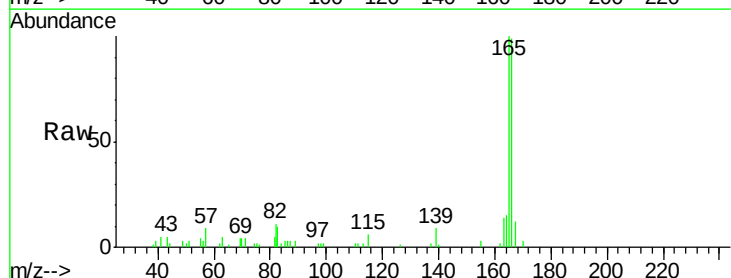
Tgt Ion:166 Resp: 48155

Ion Ratio Lower Upper

166 100

165 100.9 80.0 120.0

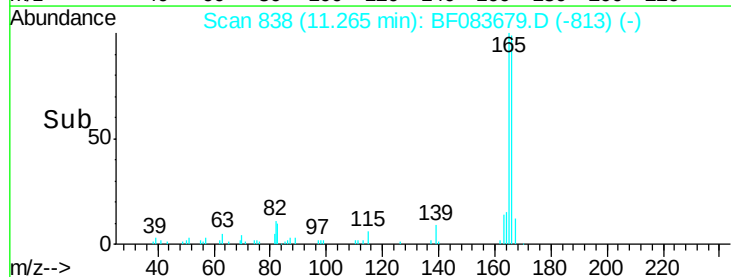
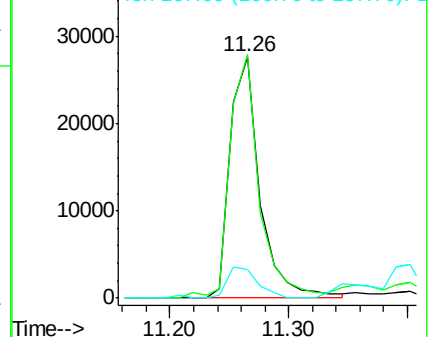
167 11.8 10.6 16.0

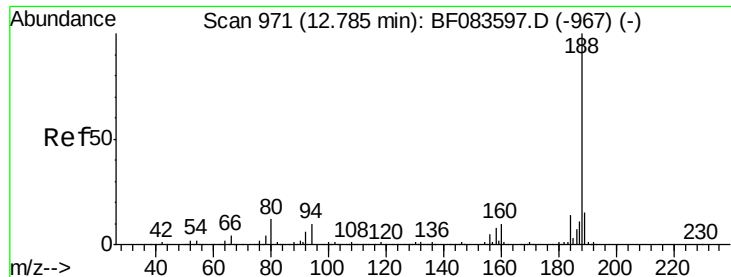


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

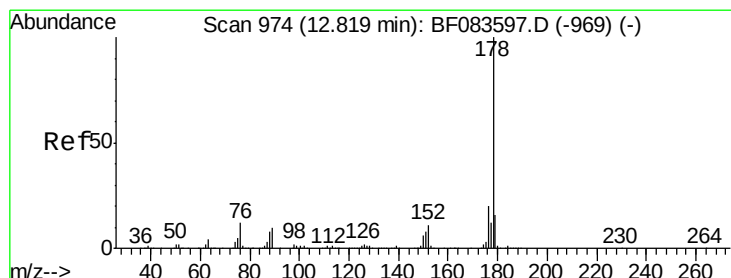
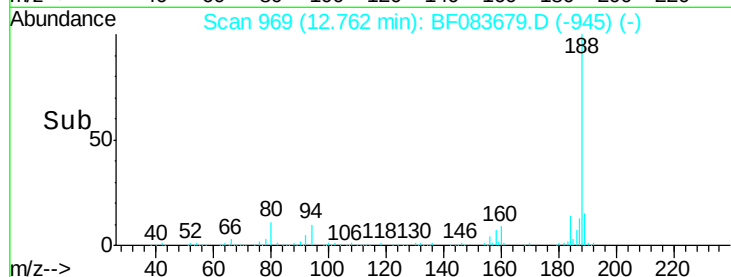
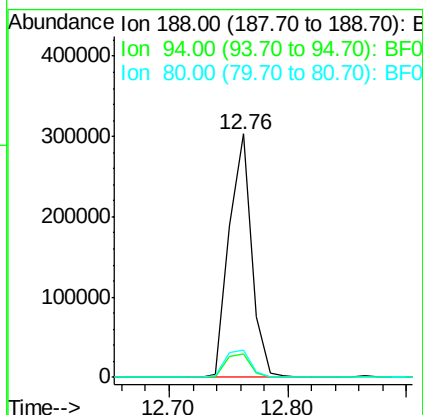
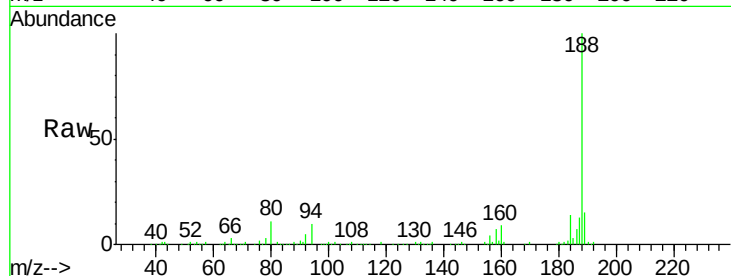




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.76 min Scan# 969
Delta R.T. -0.02 min
Lab File: BF083679.D
Acq: 10 Dec 2015 11:43

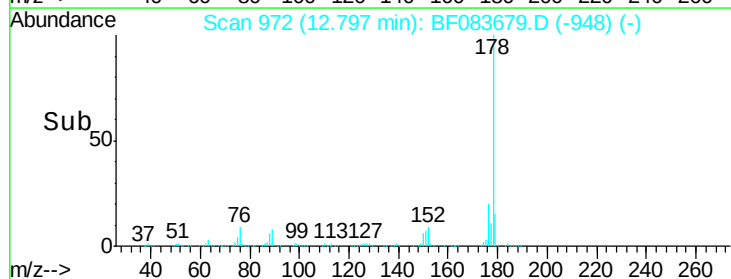
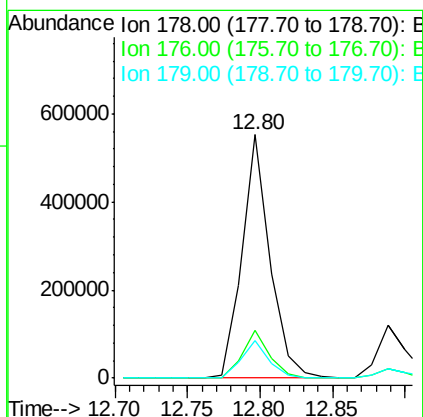
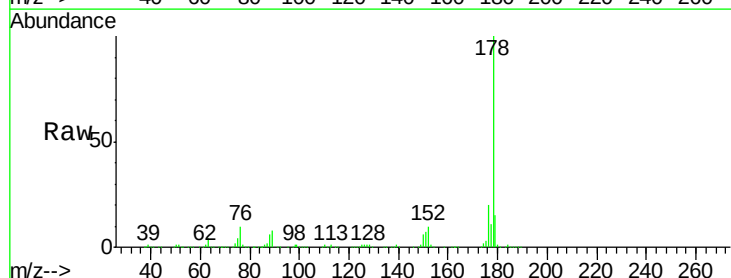
Instrument :
BNA_F
ClientSampleId :
PCPY1DL

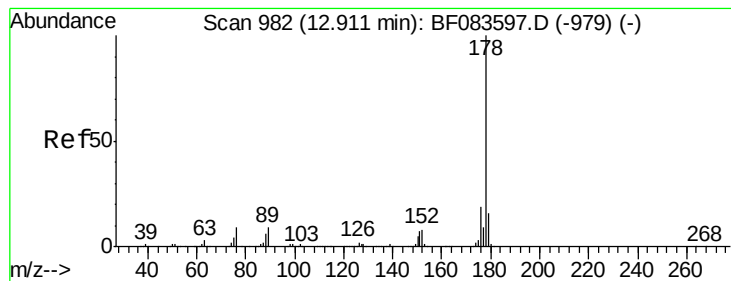
Tgt Ion:188 Resp: 398470
Ion Ratio Lower Upper
188 100
94 9.8 9.4 14.2
80 11.0 10.6 16.0



#70
Phenanthrene
Concen: 32.26 ng
RT: 12.80 min Scan# 972
Delta R.T. -0.02 min
Lab File: BF083679.D
Acq: 10 Dec 2015 11:43

Tgt Ion:178 Resp: 738554
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.4 12.2 18.4





#71

Anthracene

Concen: 7.35 ng

RT: 12.89 min Scan# 980

Delta R.T. -0.02 min

Lab File: BF083679.D

Acq: 10 Dec 2015 11:43

Instrument :

BNA_F

ClientSampleId :

PCPY1DL

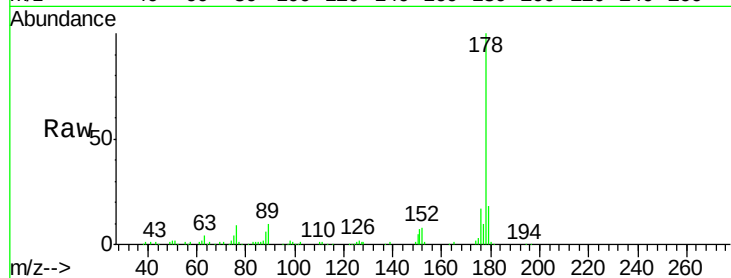
Tgt Ion:178 Resp: 174237

Ion Ratio Lower Upper

178 100

176 17.5 15.2 22.8

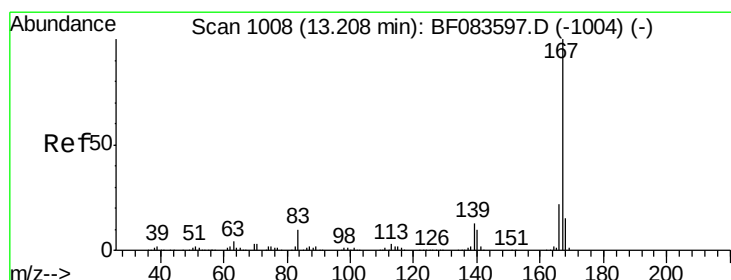
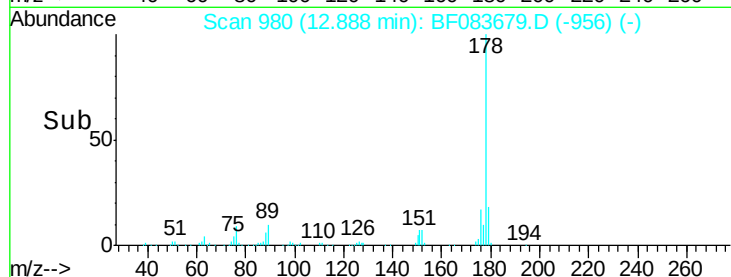
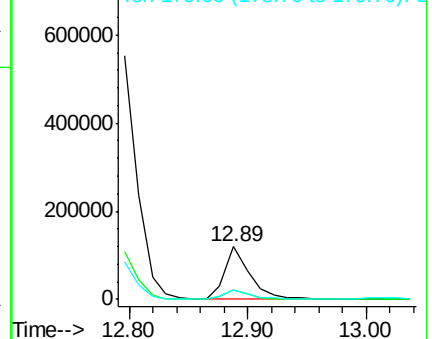
179 18.0 12.6 18.8



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



#72

Carbazole

Concen: 2.89 ng

RT: 13.21 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BF083679.D

Acq: 10 Dec 2015 11:43

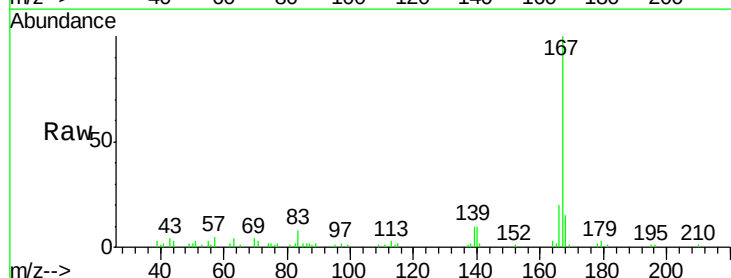
Tgt Ion:167 Resp: 58858

Ion Ratio Lower Upper

167 100

166 20.2 17.2 25.8

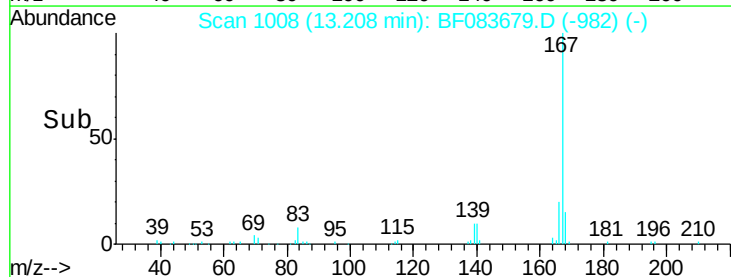
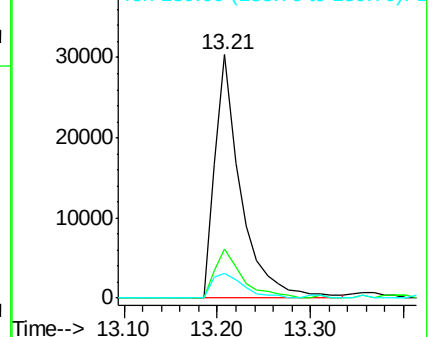
139 10.1 9.3 13.9

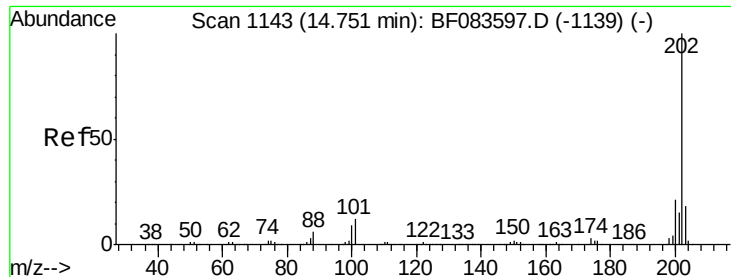


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

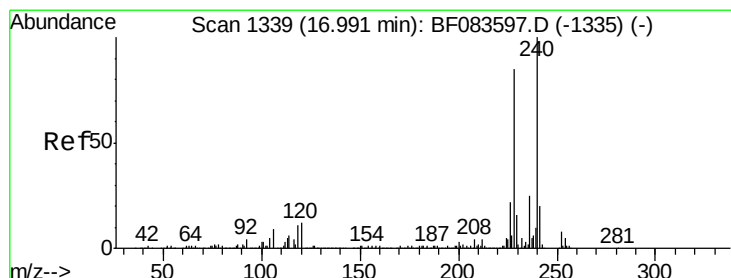
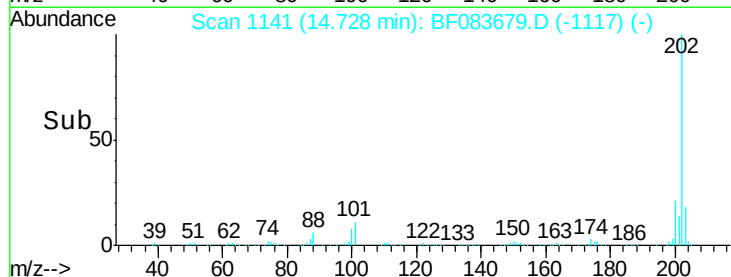
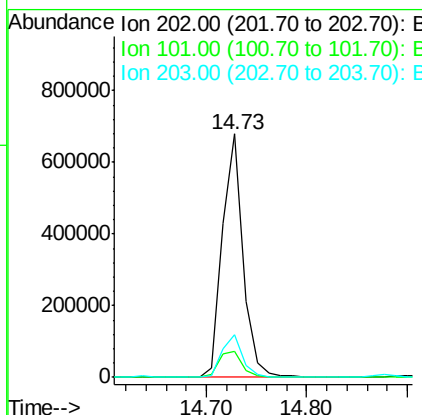
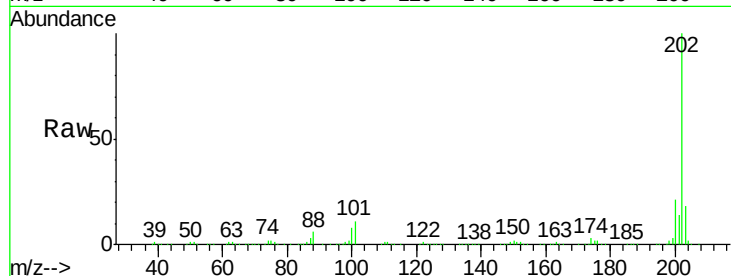




#74
 Fluoranthene
 Concen: 41.44 ng
 RT: 14.73 min Scan# 1141
 Delta R.T. -0.02 min
 Lab File: BF083679.D
 Acq: 10 Dec 2015 11:43

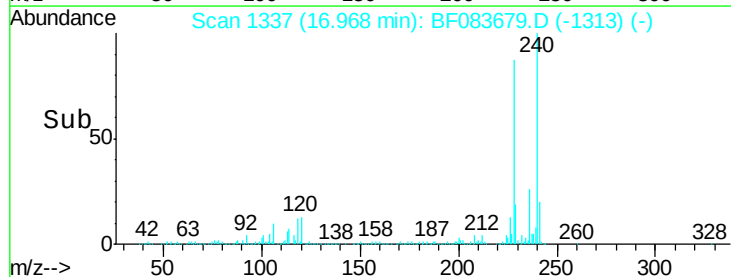
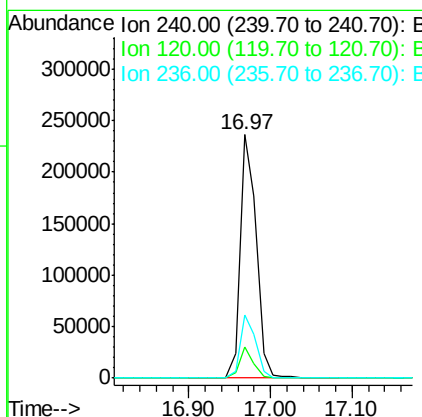
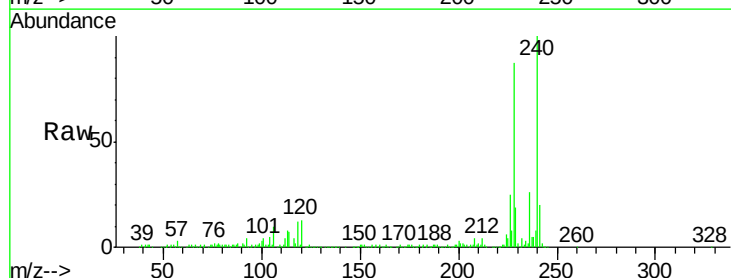
Instrument :
 BNA_F
 ClientSampleId :
 PCPY1DL

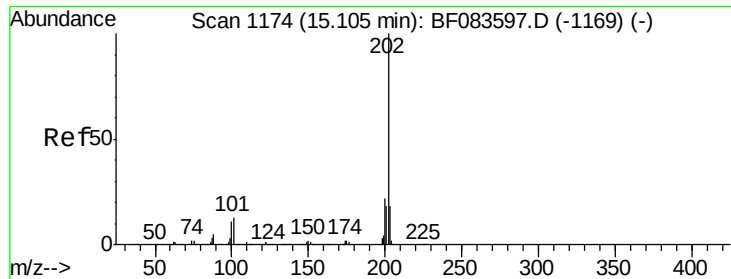
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	31.5
203	17.6	0.0	37.6



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.97 min Scan# 1337
 Delta R.T. -0.02 min
 Lab File: BF083679.D
 Acq: 10 Dec 2015 11:43

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.6	8.1	12.1#
236	26.1	20.8	31.2

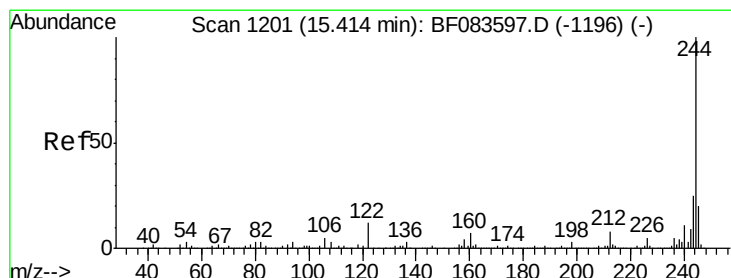
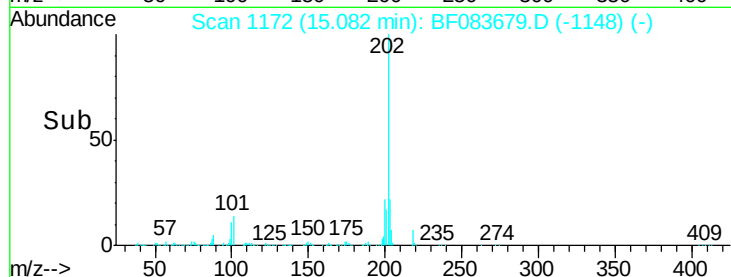
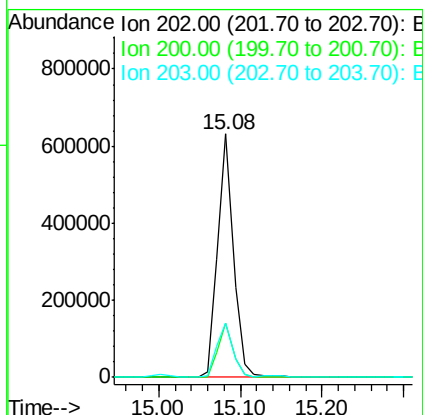
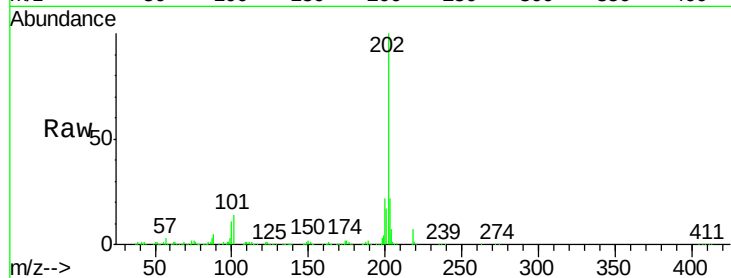




#77
 Pyrene
 Concen: 36.63 ng
 RT: 15.08 min Scan# 1172
 Delta R.T. -0.02 min
 Lab File: BF083679.D
 Acq: 10 Dec 2015 11:43

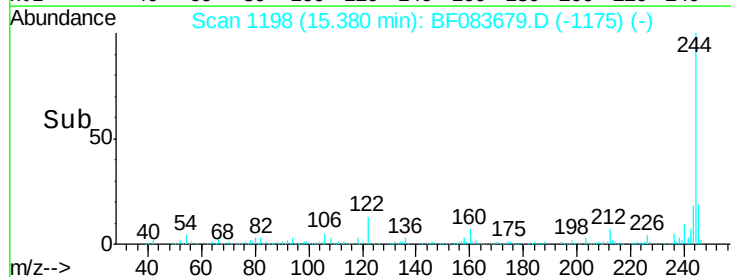
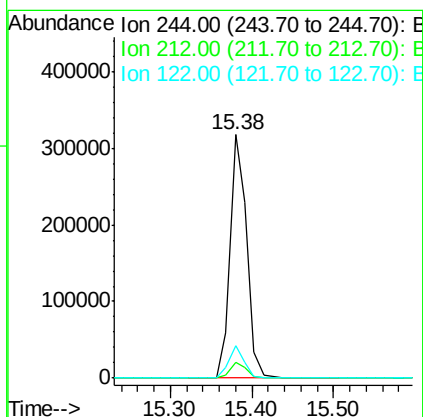
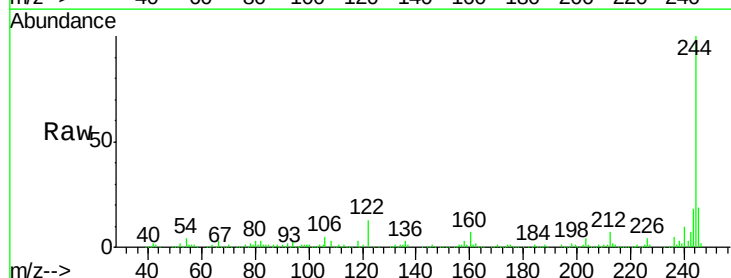
Instrument :
 BNA_F
 ClientSampleId :
 PCPY1DL

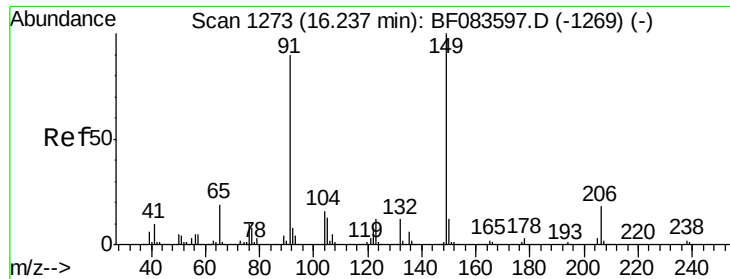
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.1	16.7	25.1
203	22.0	14.3	21.5#



#78
 Terphenyl-d14
 Concen: 32.61 ng
 RT: 15.38 min Scan# 1198
 Delta R.T. -0.03 min
 Lab File: BF083679.D
 Acq: 10 Dec 2015 11:43

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.1	9.1
122	13.2	11.0	16.6

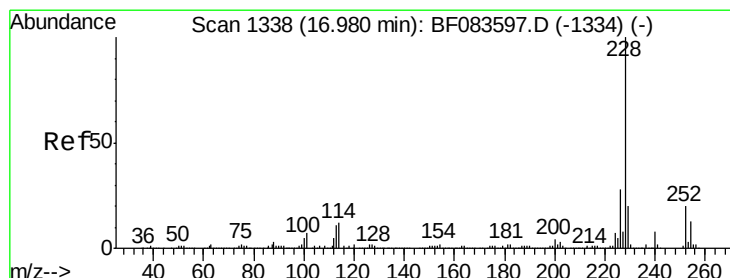
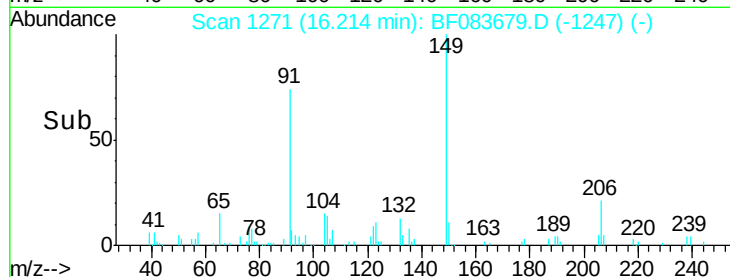
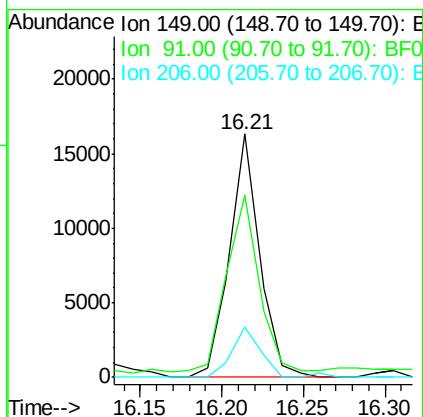
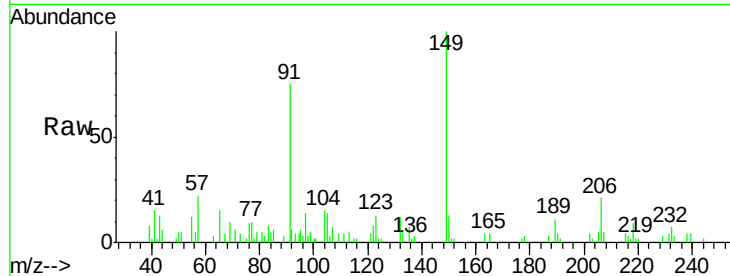




#79
Butylbenzylphthalate
Concen: 2.02 ng
RT: 16.21 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF083679.D
Acq: 10 Dec 2015 11:43

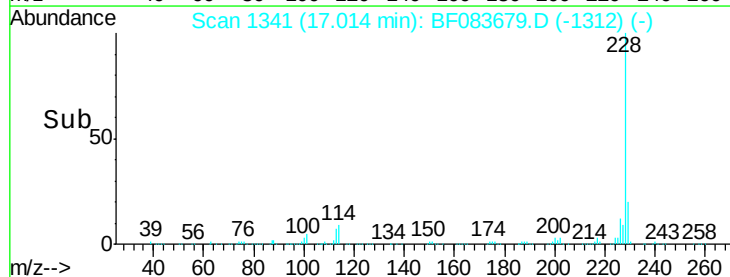
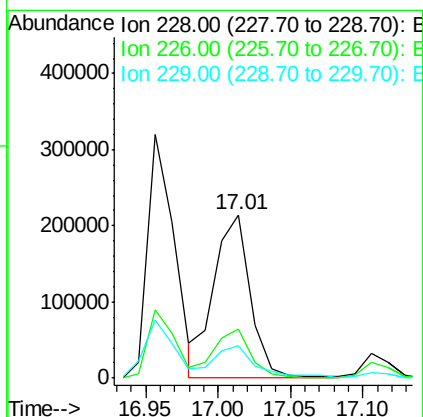
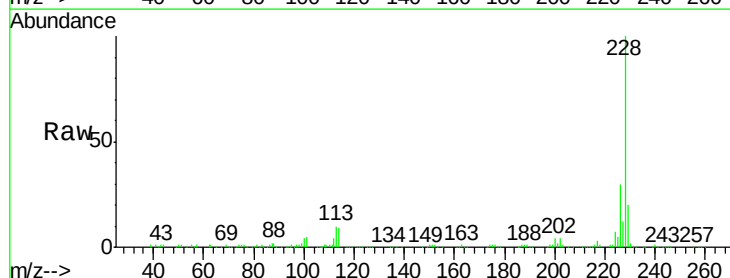
Instrument :
BNA_F
ClientSampleId :
PCPY1DL

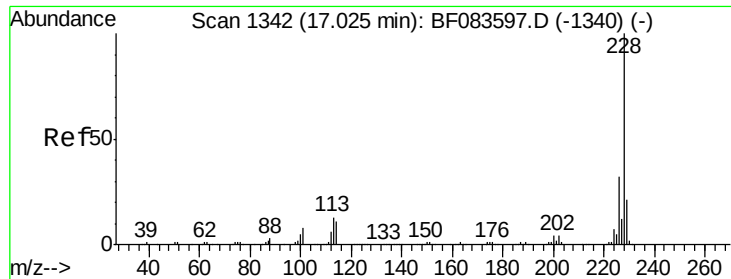
Tgt Ion:149 Resp: 20822
Ion Ratio Lower Upper
149 100
91 74.7 60.0 90.0
206 20.6 16.2 24.4



#80
Benzo(a)anthracene
Concen: 19.83 ng
RT: 17.01 min Scan# 1341
Delta R.T. 0.03 min
Lab File: BF083679.D
Acq: 10 Dec 2015 11:43

Tgt Ion:228 Resp: 373881
Ion Ratio Lower Upper
228 100
226 29.9 22.3 33.5
229 19.9 15.7 23.5





#82

Chrysene

Concen: 19.78 ng

RT: 17.01 min Scan# 1341

Delta R.T. -0.01 min

Lab File: BF083679.D

Acq: 10 Dec 2015 11:43

Instrument :

BNA_F

ClientSampleId :

PCPY1DL

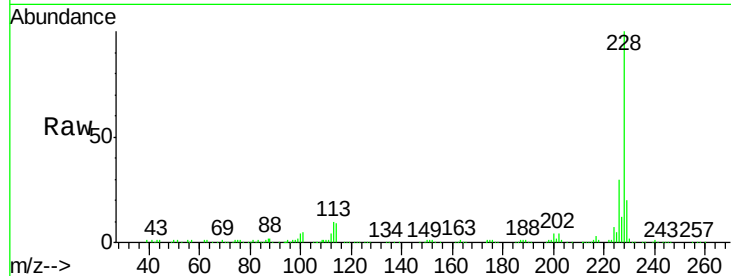
Tgt Ion:228 Resp: 373881

Ion Ratio Lower Upper

228 100

226 29.9 24.7 37.1

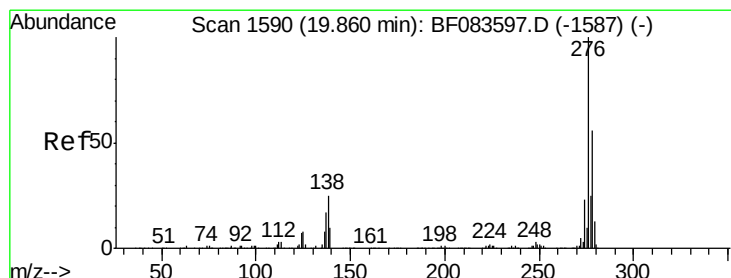
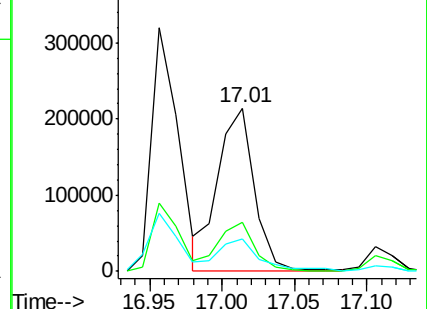
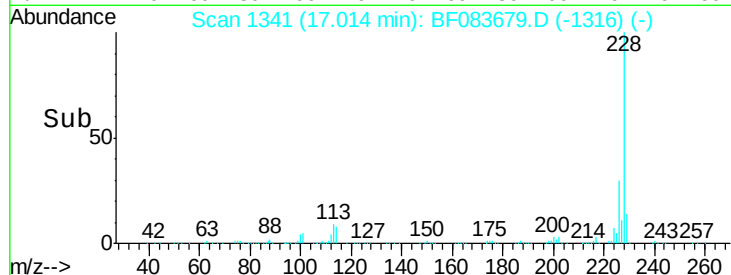
229 19.9 16.3 24.5



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: 10.88 ng

RT: 19.87 min Scan# 1591

Delta R.T. 0.01 min

Lab File: BF083679.D

Acq: 10 Dec 2015 11:43

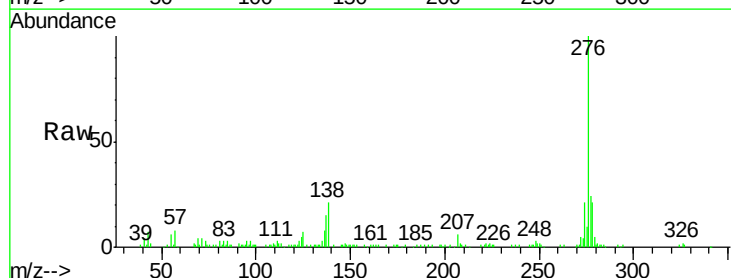
Tgt Ion:276 Resp: 138789

Ion Ratio Lower Upper

276 100

138 22.4 0.0 0.0#

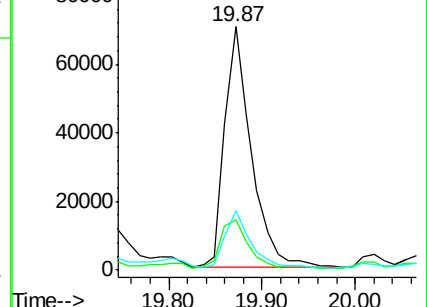
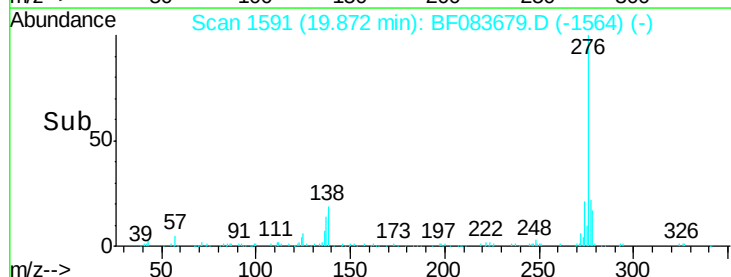
277 22.7 0.0 0.0#

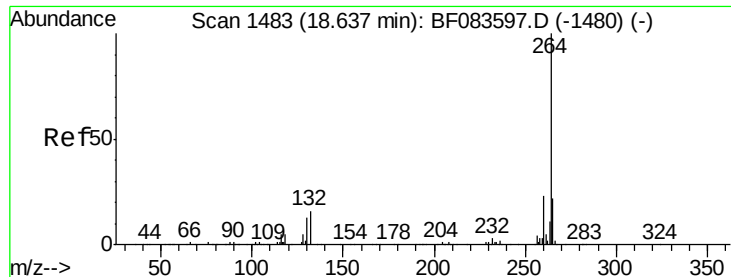


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

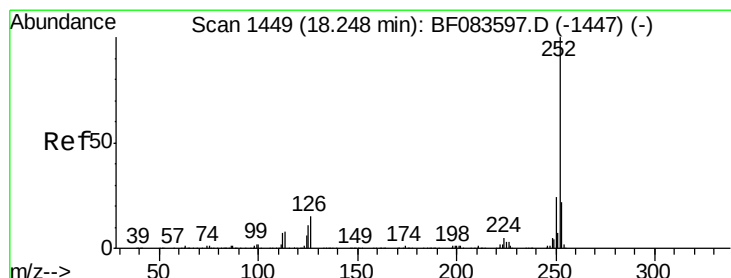
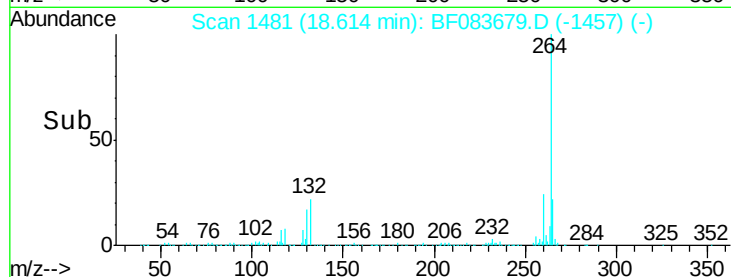
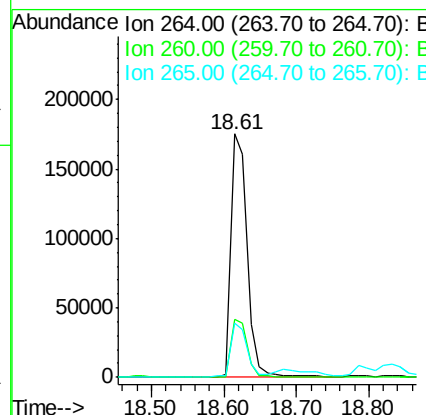
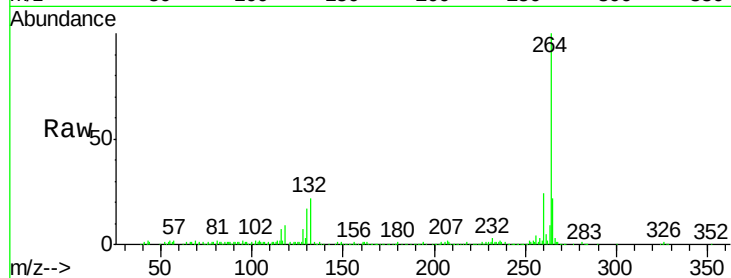




#86
Perylene-d12
Concen: 20.00 ng
RT: 18.61 min Scan# 1481
Delta R.T. -0.02 min
Lab File: BF083679.D
Acq: 10 Dec 2015 11:43

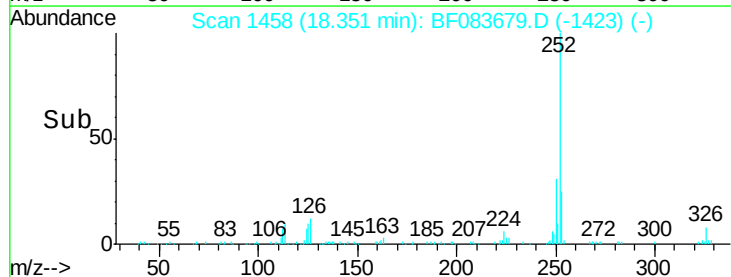
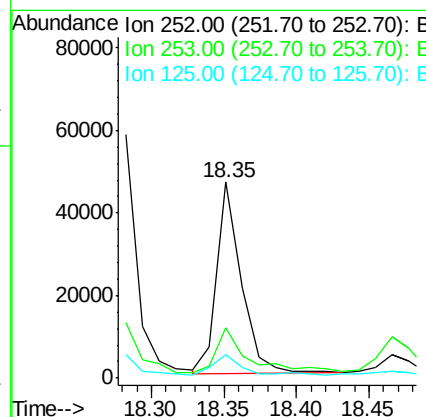
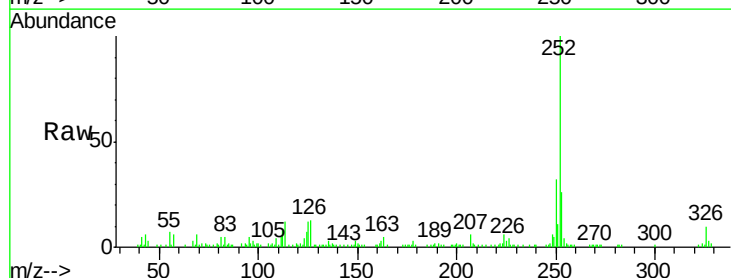
Instrument :
BNA_F
ClientSampleId :
PCPY1DL

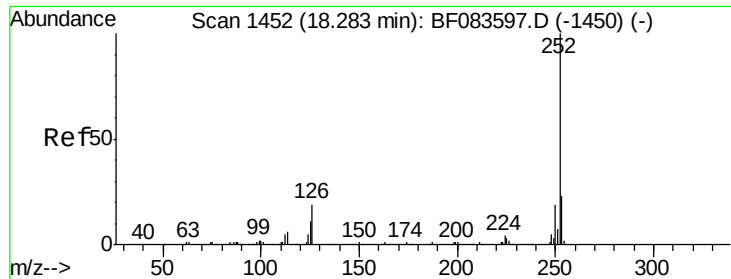
Tgt Ion:264 Resp: 272692
Ion Ratio Lower Upper
264 100
260 23.7 19.4 29.0
265 22.1 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 3.54 ng
RT: 18.35 min Scan# 1458
Delta R.T. 0.10 min
Lab File: BF083679.D
Acq: 10 Dec 2015 11:43

Tgt Ion:252 Resp: 54984
Ion Ratio Lower Upper
252 100
253 25.8 18.2 27.4
125 11.7 8.2 12.4





#88

Benzo(k)fluoranthene

Concen: 31.28 ng

RT: 18.24 min Scan# 1448

Delta R.T. -0.05 min

Lab File: BF083679.D

Acq: 10 Dec 2015 11:43

Instrument :

BNA_F

ClientSampleId :

PCPY1DL

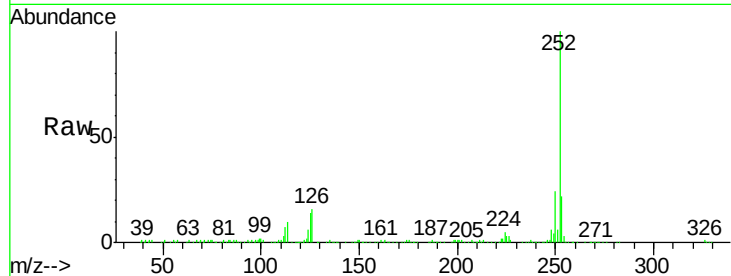
Tgt Ion:252 Resp: 535173

Ion Ratio Lower Upper

252 100

253 22.4 18.6 27.8

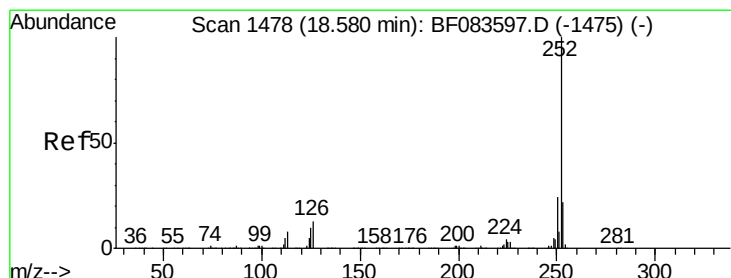
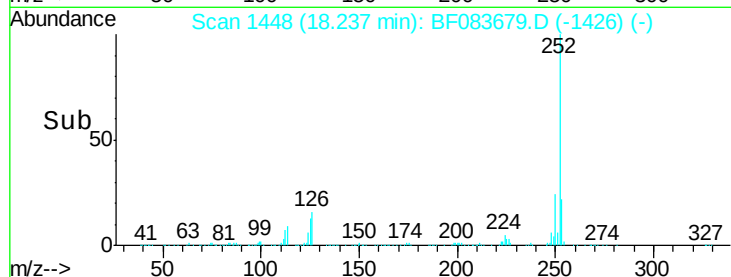
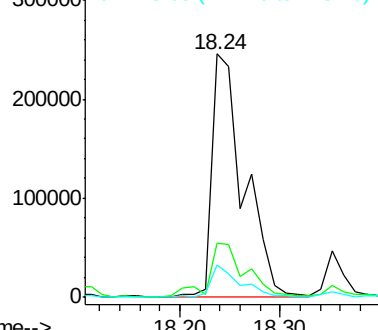
125 13.5 11.5 17.3



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: 17.38 ng

RT: 18.57 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BF083679.D

Acq: 10 Dec 2015 11:43

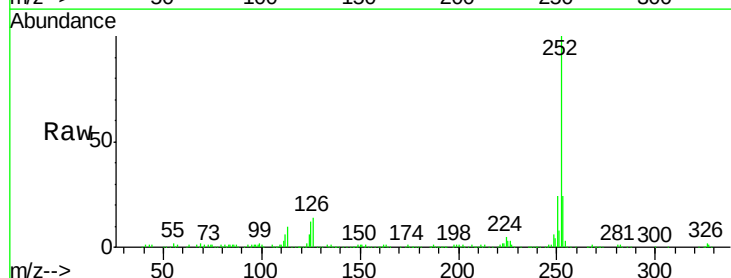
Tgt Ion:252 Resp: 263406

Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

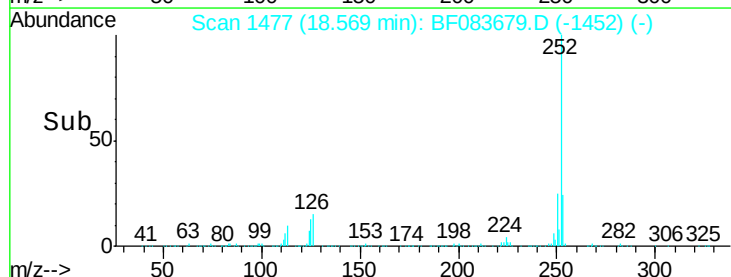
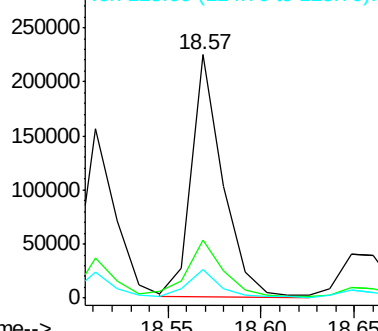
125 11.8 11.0 16.6

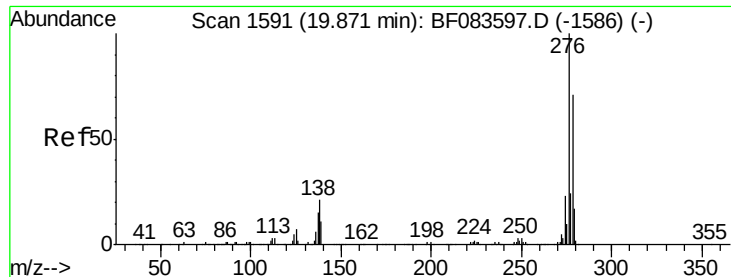


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.41 ng

RT: 20.02 min Scan# 1604

Delta R.T. 0.15 min

Lab File: BF083679.D

Acq: 10 Dec 2015 11:43

Instrument :

BNA_F

ClientSampleId :

PCPY1DL

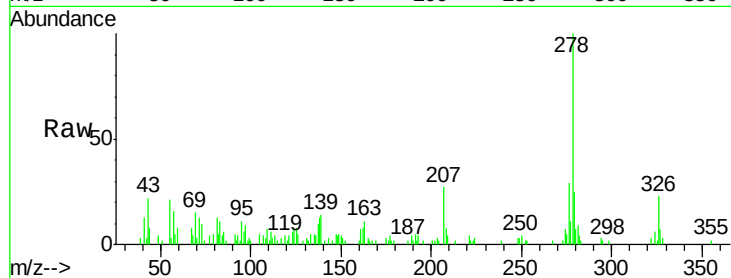
Tgt Ion:278 Resp: 27971

Ion Ratio Lower Upper

278 100

139 13.7 12.8 19.2

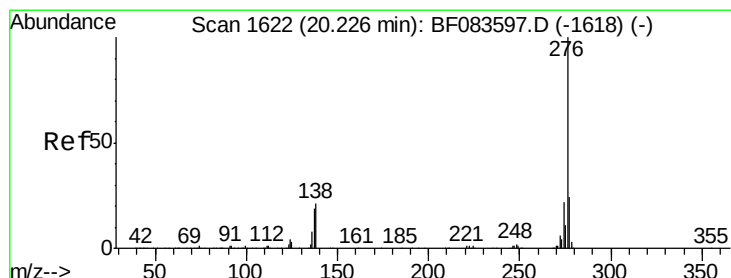
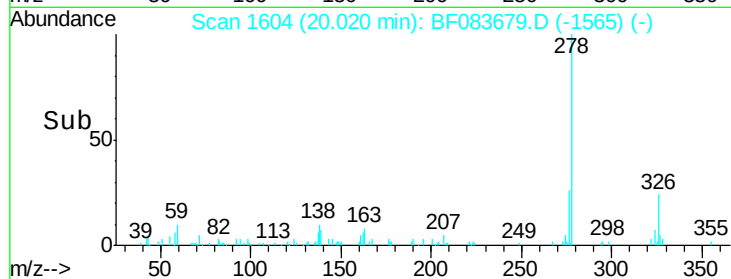
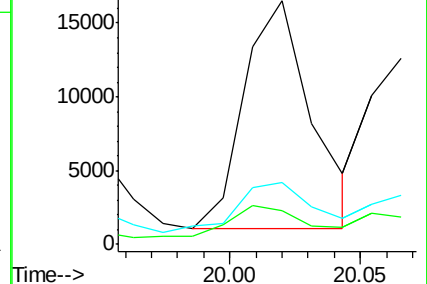
279 25.5 18.6 28.0



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 11.38 ng

RT: 20.23 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BF083679.D

Acq: 10 Dec 2015 11:43

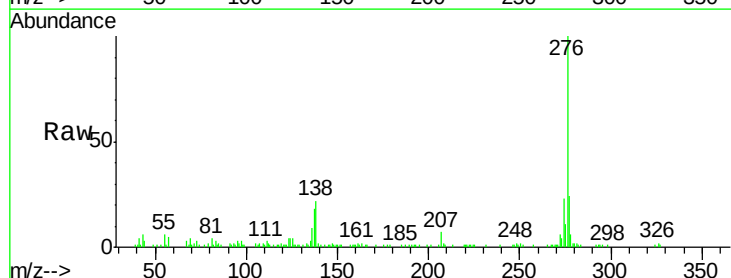
Tgt Ion:276 Resp: 128560

Ion Ratio Lower Upper

276 100

277 24.4 19.2 28.8

138 21.7 19.5 29.3



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

