

Data Path : \\TSCIENT\Z\HPCHEM1\BNA F\DATA\BF022615\
 Data File : BF077493.D
 Acq On : 27 Feb 2015 6:26
 Operator : TP/IZ
 Sample : G1385-15
 Misc : S
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 27 10:34:49 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 27 07:02:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.27	152	77604	20.00	ng	0.00
21) Naphthalene-d8	8.85	136	313374	20.00	ng	0.00
38) Acenaphthene-d10	11.02	164	166638	20.00	ng	0.00
63) Phenanthrene-d10	12.87	188	337104	20.00	ng	0.00
75) Chrysene-d12	16.18	240	383021	20.00	ng	0.03
86) Perylene-d12	17.99	264	352076	20.00	ng	0.11

System Monitoring Compounds

5) 2-Fluorophenol	5.56	112	323211	69.53	ng	0.01
7) Phenol-d6	6.83	99	444238	74.33	ng	0.00
23) Nitrobenzene-d5	7.96	82	266100	52.80	ng	0.00
41) 2,4,6-Tribromophenol	12.00	330	112602	70.18	ng	0.00
44) 2-Fluorobiphenyl	10.19	172	527404	49.35	ng	0.00
78) Terphenyl-d14	14.86	244	686147	41.88	ng	0.00

Target Compounds

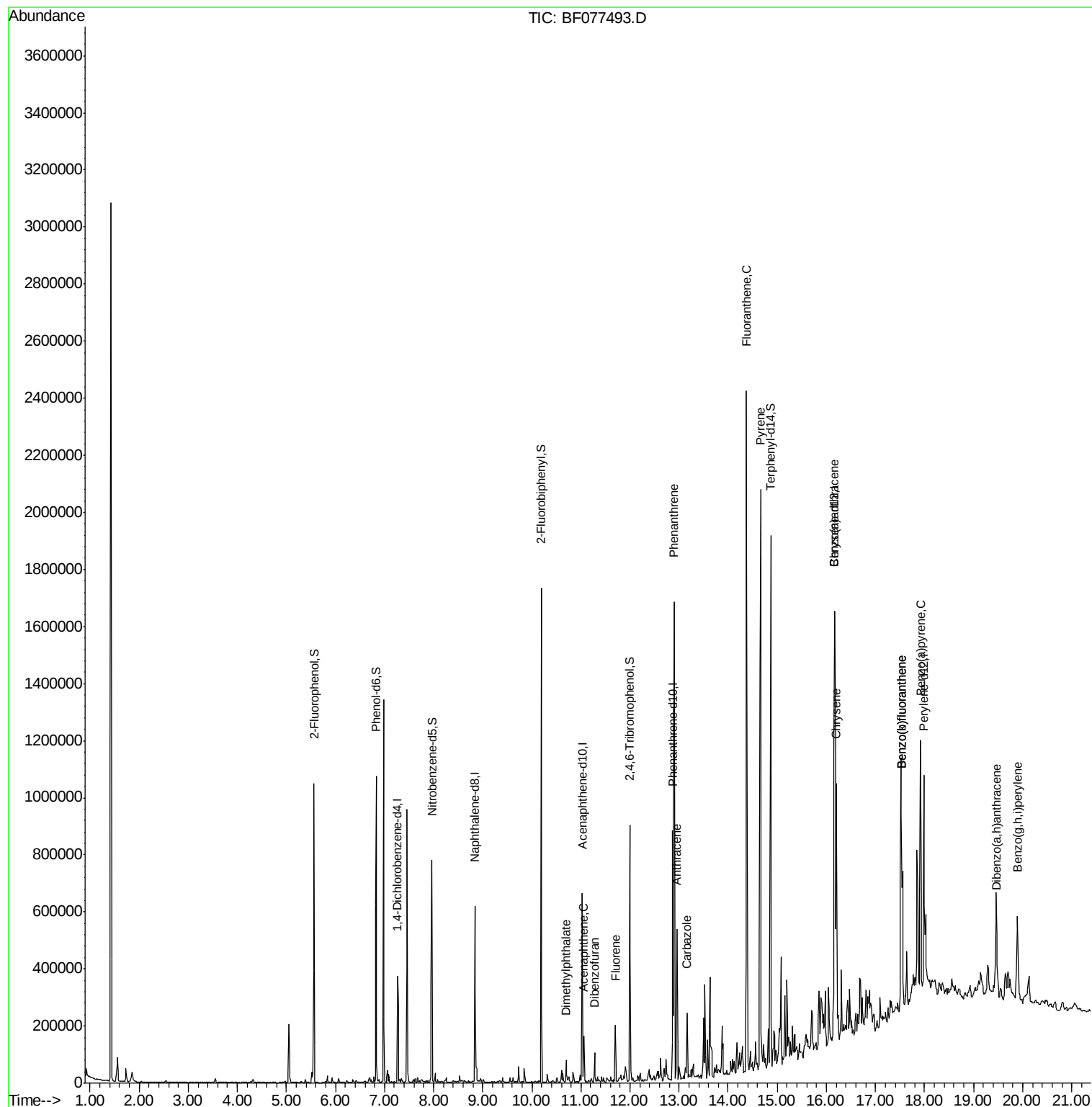
						Qvalue
49) Dimethylphthalate	10.70	163	34073	2.91	ng	99
51) Acenaphthene	11.06	154	35448	3.79	ng	95
54) Dibenzofuran	11.28	168	36735	2.54	ng	99
57) Fluorene	11.70	166	52570	4.55	ng	99
70) Phenanthrene	12.90	178	780091	39.93	ng	99
71) Anthracene	12.96	178	217032	11.19	ng	98
72) Carbazole	13.16	167	91823	4.98	ng	100
74) Fluoranthene	14.38	202	1147528	53.77	ng	97
77) Pyrene	14.66	202	1023157	43.67	ng	99
80) Benzo(a)anthracene	16.16	228	598848	26.68	ng	97
82) Chrysene	16.20	228	518192	24.58	ng	96
87) Benzo(b)fluoranthene	17.53	252	853447	41.69	ng	# 96
88) Benzo(k)fluoranthene	17.53	252	834516	41.59	ng	99
89) Benzo(a)pyrene	17.92	252	433688	22.24	ng	98
90) Dibenzo(a,h)anthracene	19.48	278	66023	3.55	ng	# 90
91) Benzo(g,h,i)perylene	19.89	276	252284	13.44	ng	96

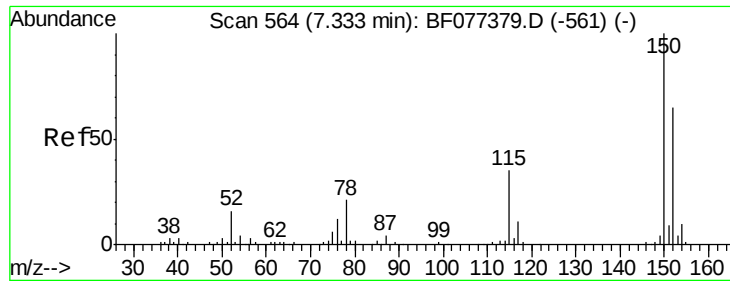
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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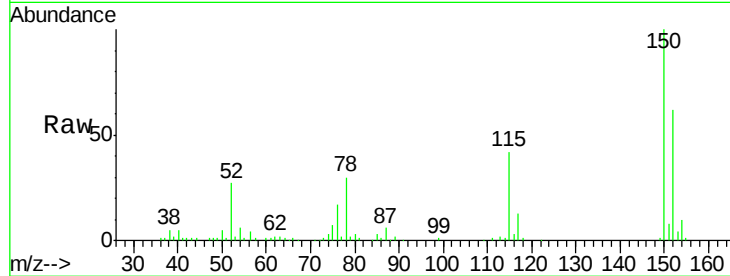


#1

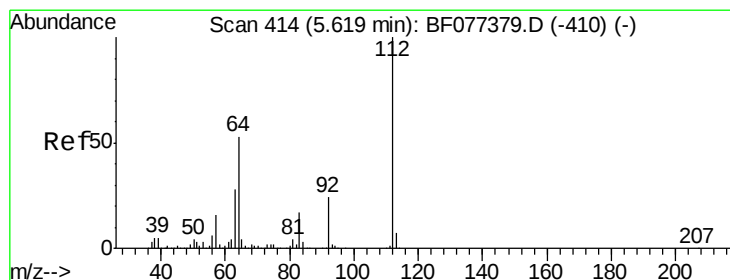
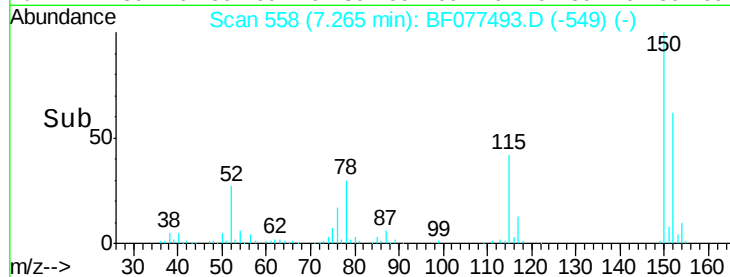
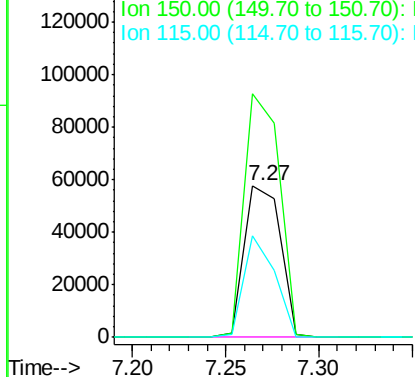
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.27 min Scan# 558
Delta R.T. 0.01 min
Lab File: BF077493.D
Acq: 27 Feb 2015 6:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 77604
Ion Ratio Lower Upper
152 100
150 160.2 124.0 186.0
115 66.7 49.4 74.2



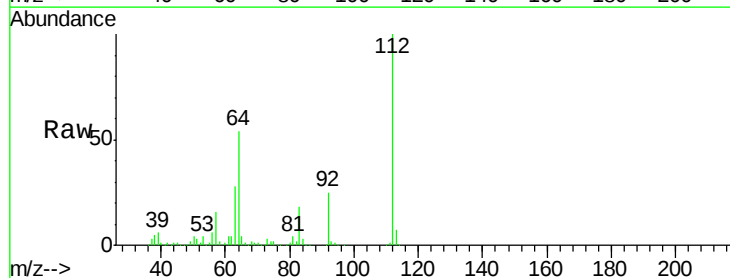
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



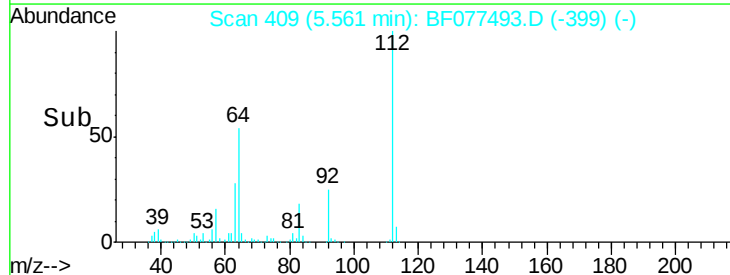
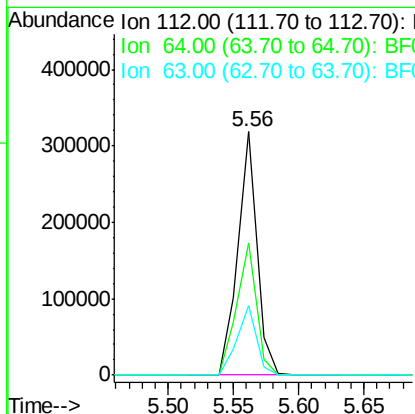
#5

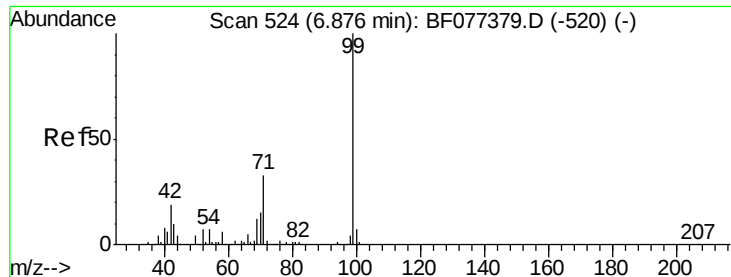
2-Fluorophenol
Concen: 69.53 ng
RT: 5.56 min Scan# 409
Delta R.T. 0.01 min
Lab File: BF077493.D
Acq: 27 Feb 2015 6:26

Tgt Ion:112 Resp: 323211
Ion Ratio Lower Upper
112 100
64 54.2 48.5 72.7
63 28.4 25.0 37.4



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: 74.33 ng

RT: 6.83 min Scan# 520

Delta R.T. 0.01 min

Lab File: BF077493.D

Acq: 27 Feb 2015 6:26

Instrument :

BNA_F

ClientSampleId :

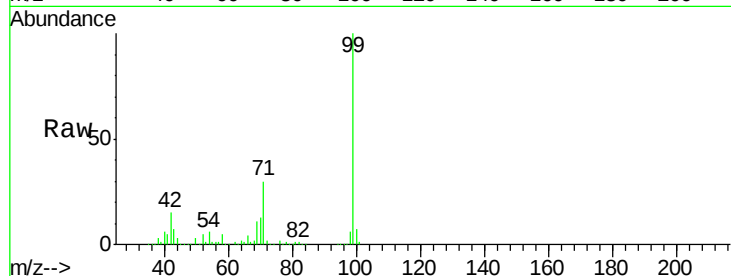
Tot Ion: 99 Resp: 444238

Ion Ratio Lower Upper

99 100

42 14.9 16.2 24.4#

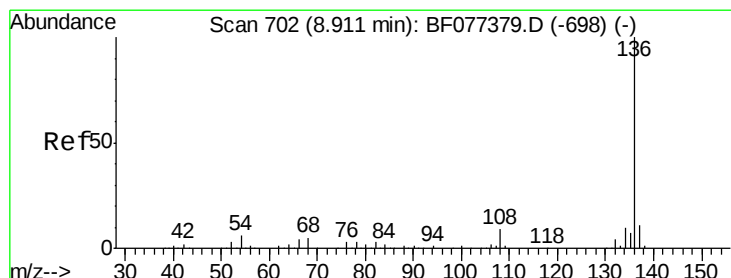
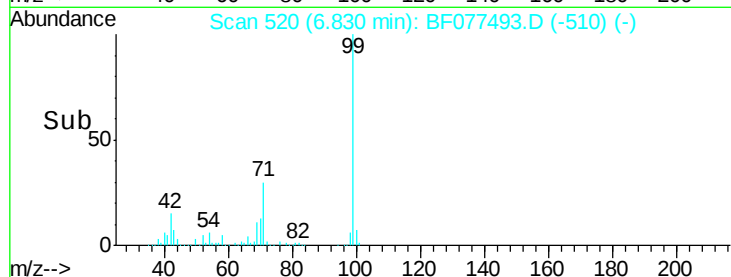
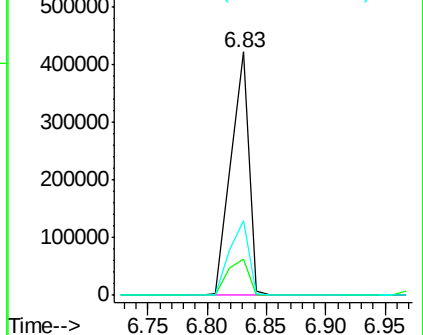
71 30.4 26.7 40.1



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.85 min Scan# 696

Delta R.T. 0.00 min

Lab File: BF077493.D

Acq: 27 Feb 2015 6:26

Tgt Ion: 136 Resp: 313374

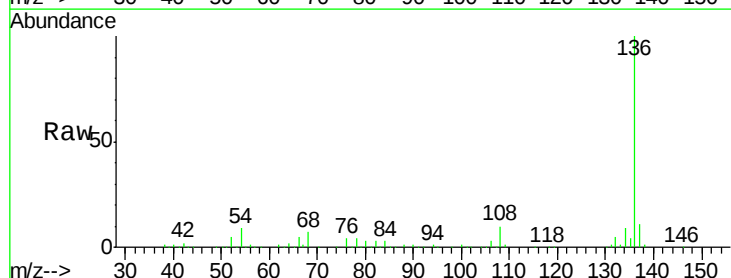
Ion Ratio Lower Upper

136 100

137 11.2 8.6 13.0

54 9.2 6.2 9.4

68 6.7 5.0 7.6

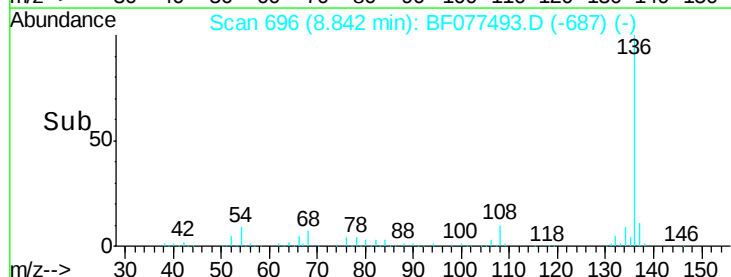
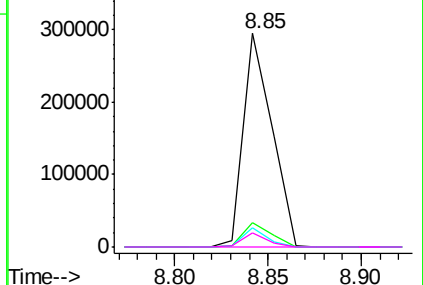


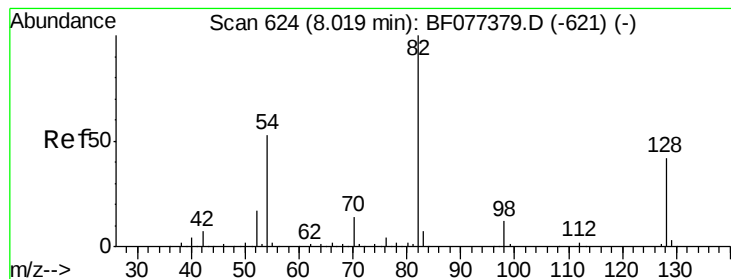
Abundance Ion 136.00 (135.70 to 136.70): E

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: 52.80 ng

RT: 7.96 min Scan# 619

Delta R.T. -0.00 min

Lab File: BF077493.D

Acq: 27 Feb 2015 6:26

Instrument :

BNA_F

ClientSampleId :

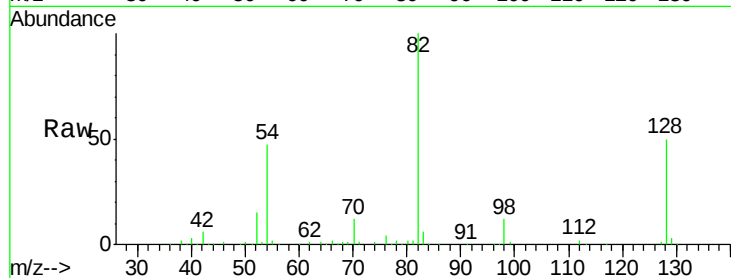
Tot Ion: 82 Resp: 266100

Ion Ratio Lower Upper

82 100

128 50.1 43.8 65.8

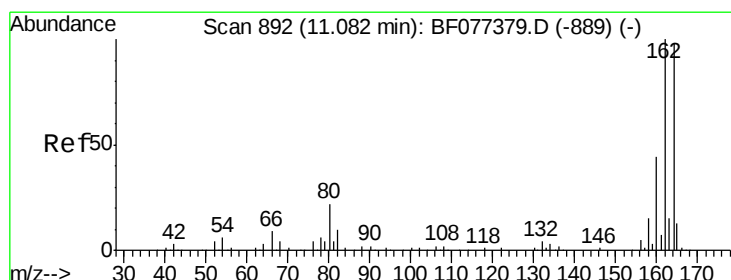
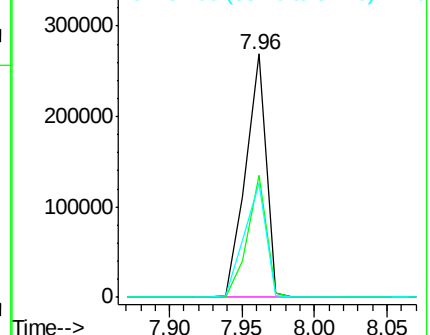
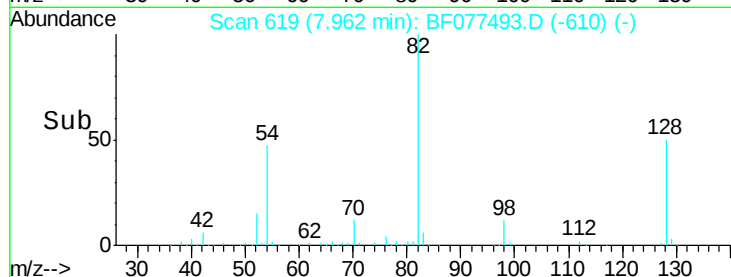
54 46.7 36.7 55.1



Abundance Ion 82.00 (81.70 to 82.70): BF077379.D (-621) (-)

Ion 128.00 (127.70 to 128.70): BF077379.D (-621) (-)

Ion 54.00 (53.70 to 54.70): BF077379.D (-621) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.02 min Scan# 887

Delta R.T. 0.01 min

Lab File: BF077493.D

Acq: 27 Feb 2015 6:26

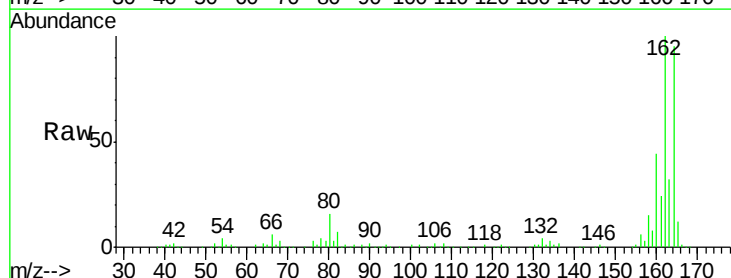
Tgt Ion:164 Resp: 166638

Ion Ratio Lower Upper

164 100

162 105.4 83.2 124.8

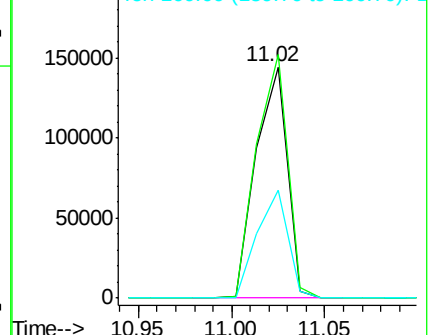
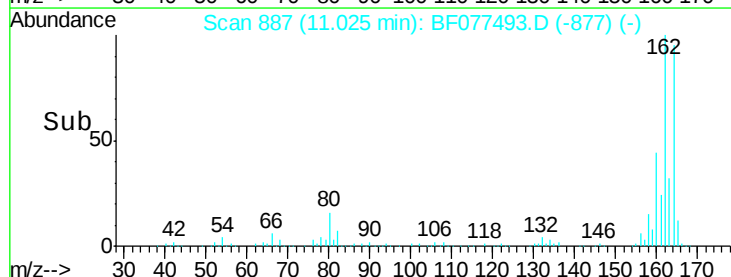
160 46.5 34.6 52.0

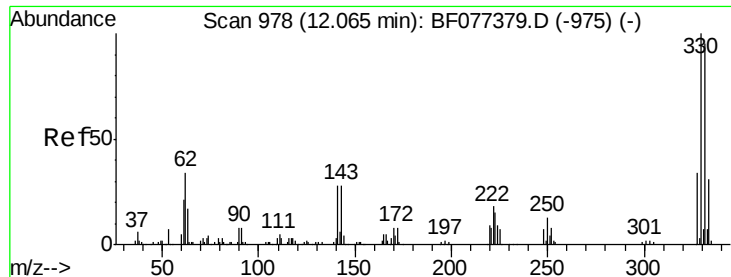


Abundance Ion 164.00 (163.70 to 164.70): BF077379.D (-889) (-)

Ion 162.00 (161.70 to 162.70): BF077379.D (-889) (-)

Ion 160.00 (159.70 to 160.70): BF077379.D (-889) (-)

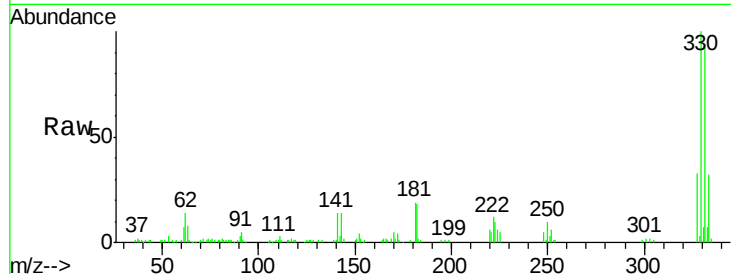




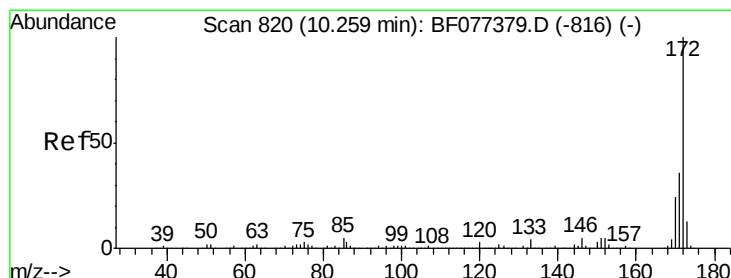
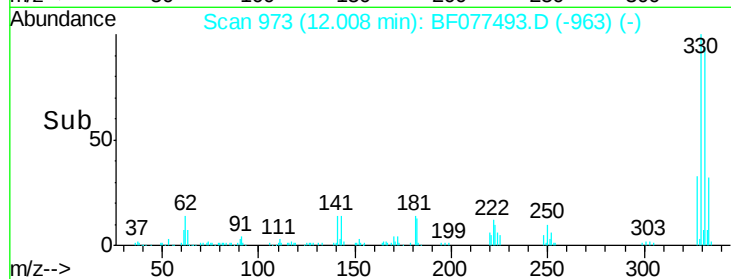
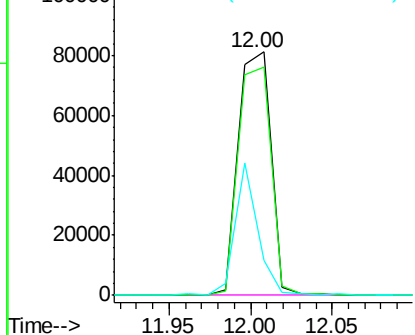
#41
 2,4,6-Tribromophenol
 Concen: 70.18 ng
 RT: 12.00 min Scan# 973
 Delta R.T. 0.01 min
 Lab File: BF077493.D
 Acq: 27 Feb 2015 6:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 112602
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.4 116.2
 141 37.6 28.8 43.2

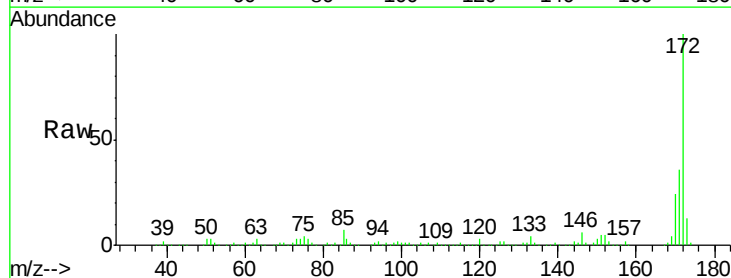


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

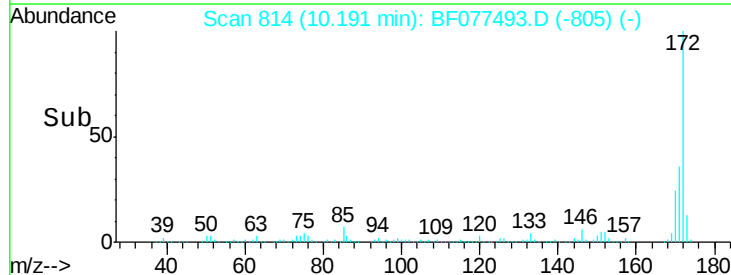
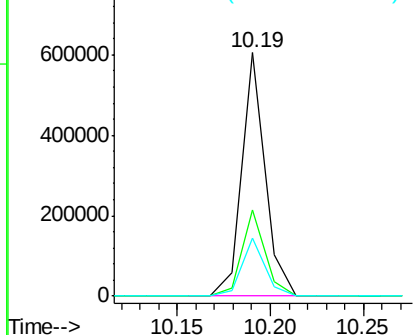


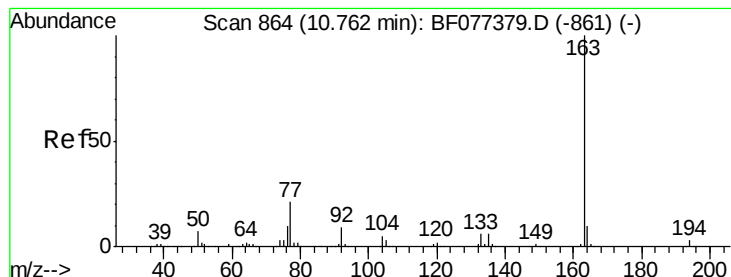
#44
 2-Fluorobiphenyl
 Concen: 49.35 ng
 RT: 10.19 min Scan# 814
 Delta R.T. 0.00 min
 Lab File: BF077493.D
 Acq: 27 Feb 2015 6:26

Tgt Ion:172 Resp: 527404
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.9 43.3
 170 23.7 19.4 29.2



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: 2.91 ng

RT: 10.70 min Scan# 858

Delta R.T. -0.01 min

Lab File: BF077493.D

Acq: 27 Feb 2015 6:26

Instrument :

BNA_F

ClientSampleId :

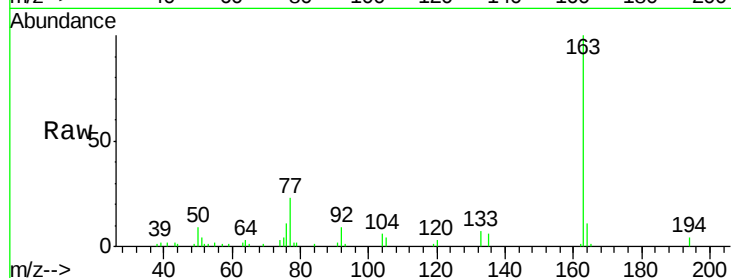
Tot Ion:163 Resp: 34073

Ion Ratio Lower Upper

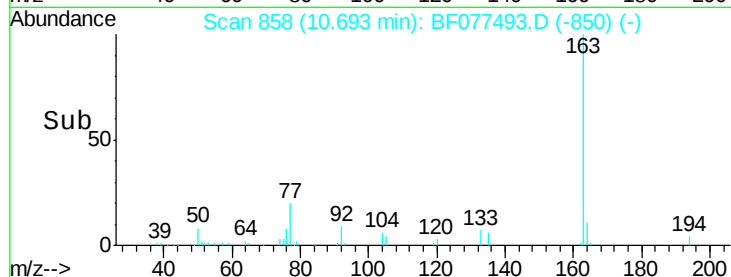
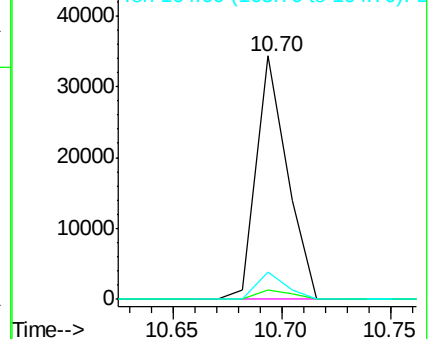
163 100

194 3.7 2.6 4.0

164 11.0 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: 3.79 ng

RT: 11.06 min Scan# 890

Delta R.T. -0.00 min

Lab File: BF077493.D

Acq: 27 Feb 2015 6:26

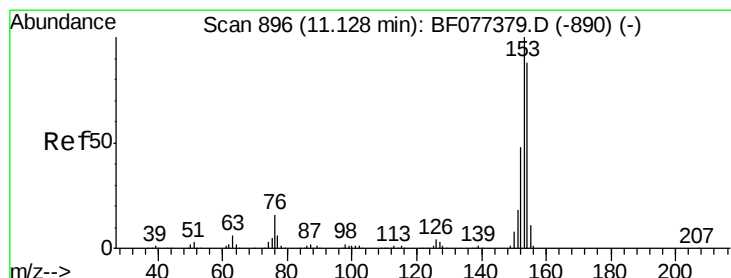
Tgt Ion:154 Resp: 35448

Ion Ratio Lower Upper

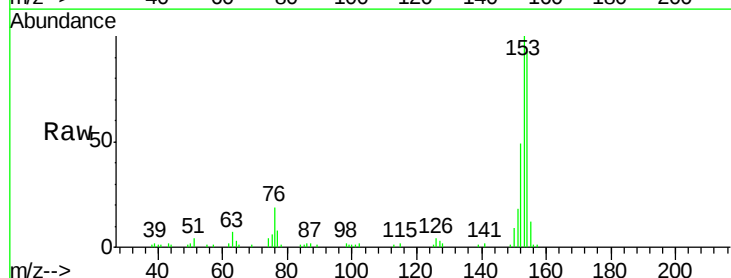
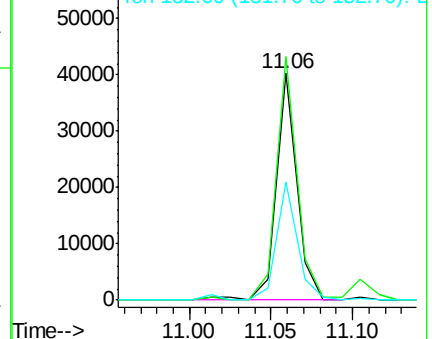
154 100

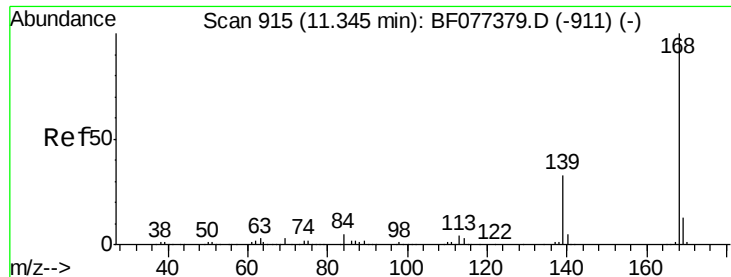
153 107.4 90.5 135.7

152 52.1 43.5 65.3



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

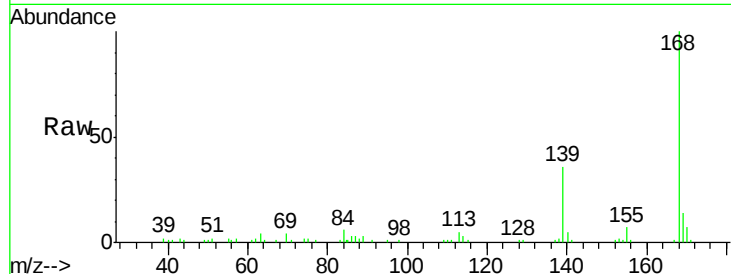




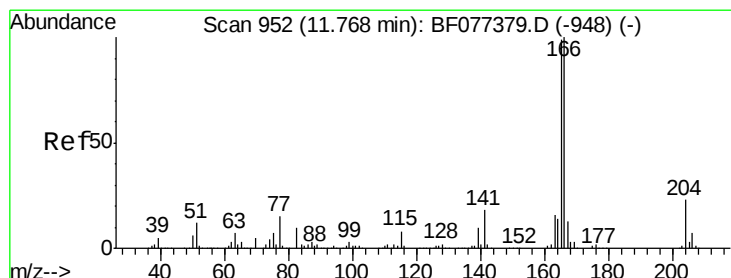
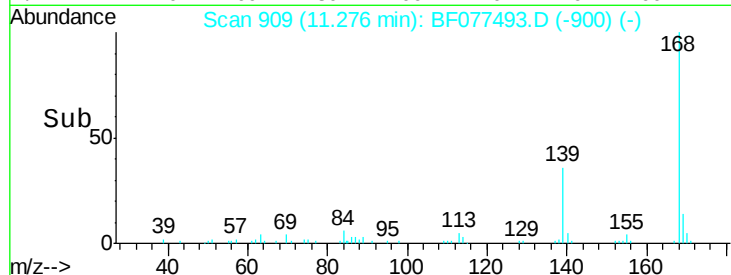
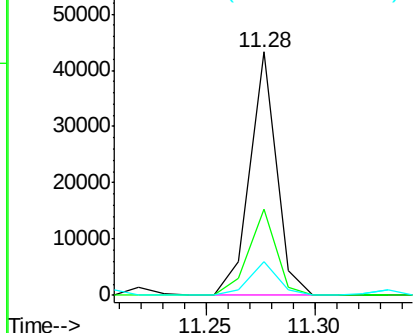
#54
Dibenzenofuran
Concen: 2.54 ng
RT: 11.28 min Scan# 909
Delta R.T. -0.00 min
Lab File: BF077493.D
Acq: 27 Feb 2015 6:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:168 Resp: 36735
Ion Ratio Lower Upper
168 100
139 35.6 29.3 43.9
169 13.9 10.9 16.3

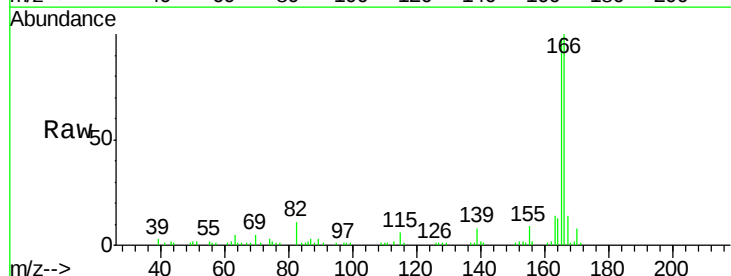


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

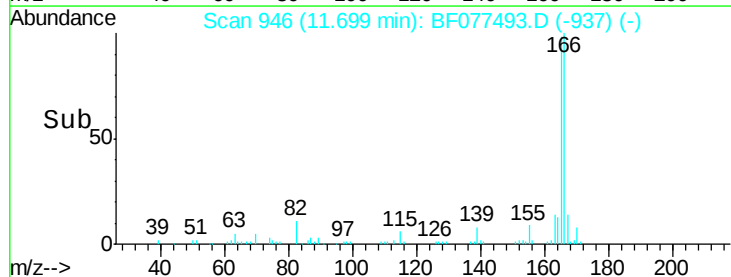
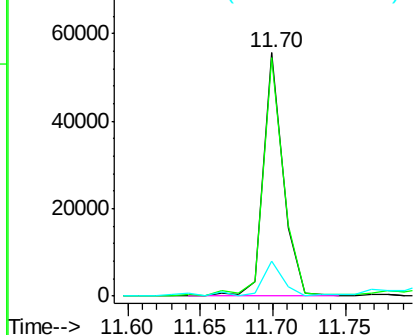


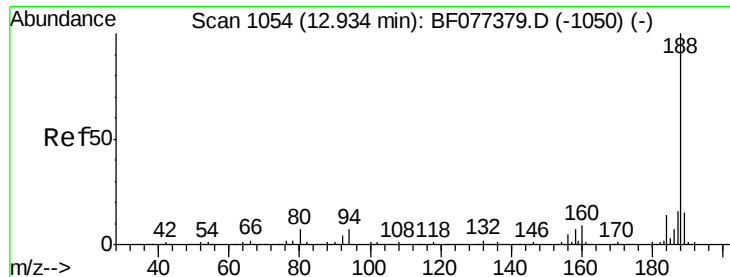
#57
Fluorene
Concen: 4.55 ng
RT: 11.70 min Scan# 946
Delta R.T. 0.00 min
Lab File: BF077493.D
Acq: 27 Feb 2015 6:26

Tgt Ion:166 Resp: 52570
Ion Ratio Lower Upper
166 100
165 97.8 77.6 116.4
167 14.4 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

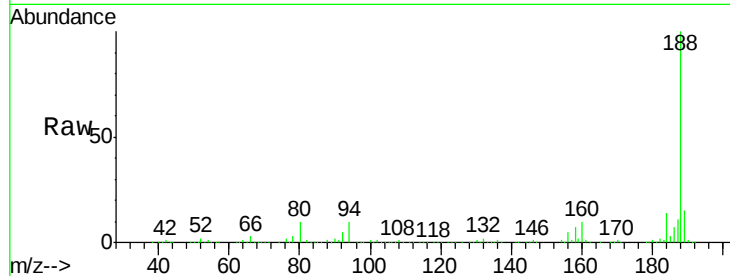




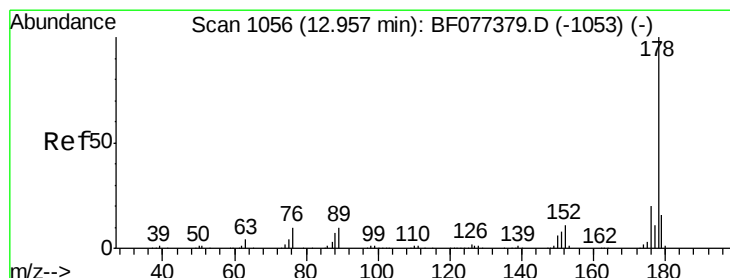
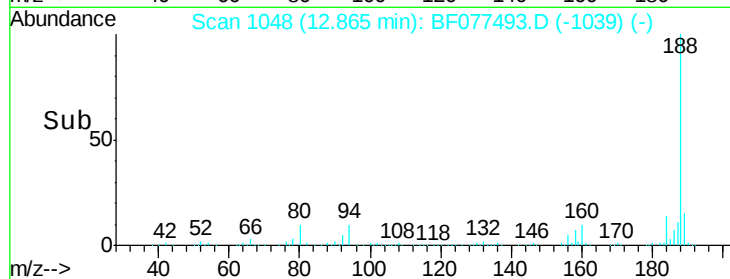
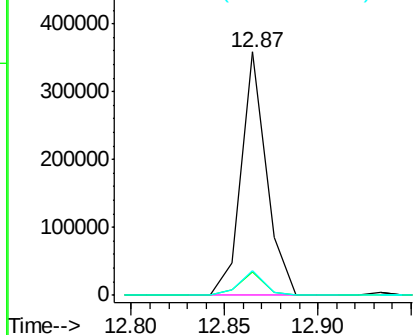
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.87 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BF077493.D
Acq: 27 Feb 2015 6:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 337104
Ion Ratio Lower Upper
188 100
94 9.8 7.4 11.2
80 10.2 8.0 12.0

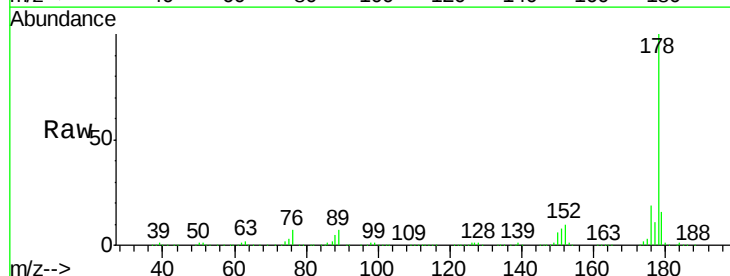


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

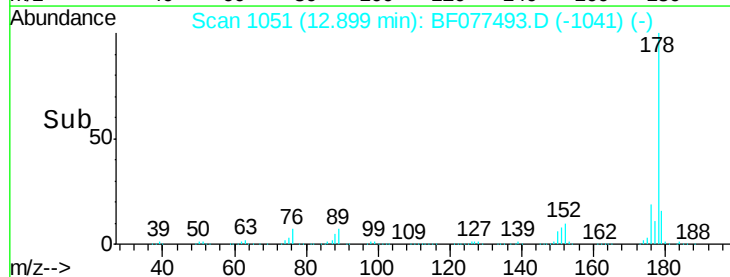
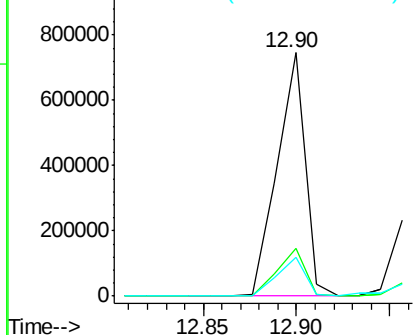


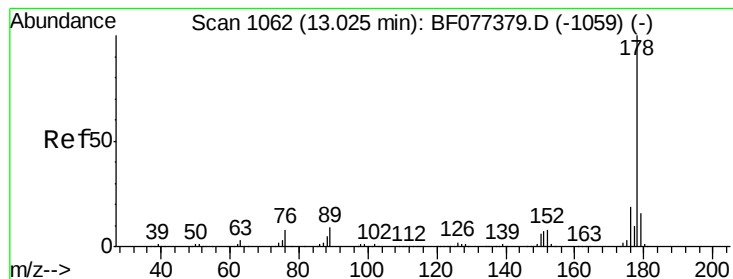
#70
Phenanthrene
Concen: 39.93 ng
RT: 12.90 min Scan# 1051
Delta R.T. 0.01 min
Lab File: BF077493.D
Acq: 27 Feb 2015 6:26

Tgt Ion:178 Resp: 780091
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.9 12.2 18.2



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: 11.19 ng

RT: 12.96 min Scan# 1056

Delta R.T. 0.00 min

Lab File: BF077493.D

Acq: 27 Feb 2015 6:26

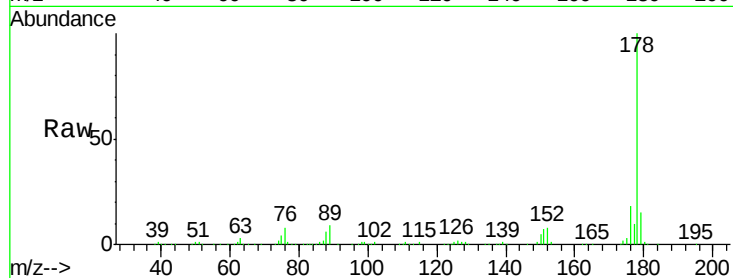
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 217032

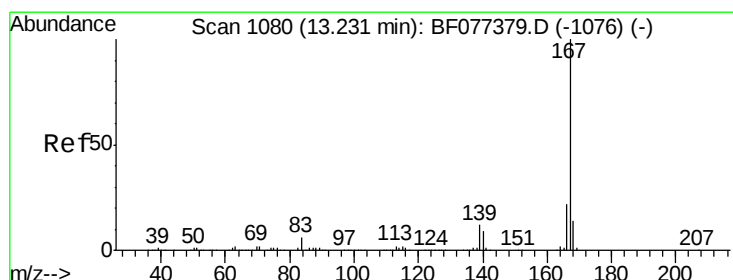
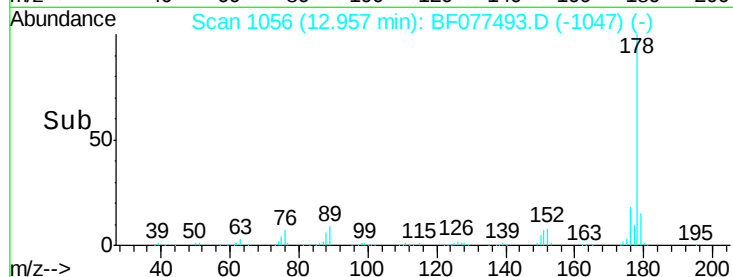
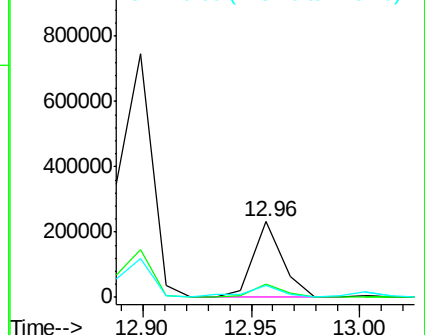
Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.0
179	15.1	12.9	19.3



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: 4.98 ng

RT: 13.16 min Scan# 1074

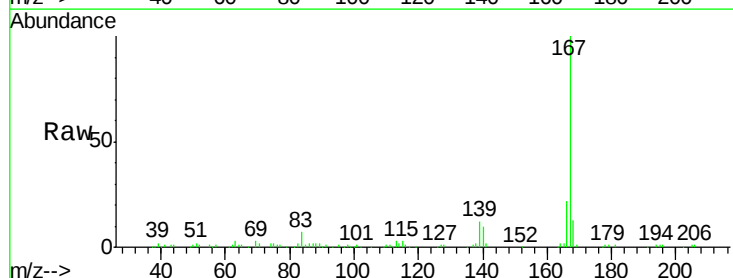
Delta R.T. 0.00 min

Lab File: BF077493.D

Acq: 27 Feb 2015 6:26

Tgt Ion:167 Resp: 91823

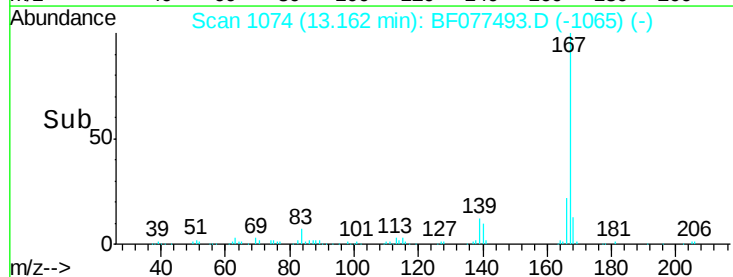
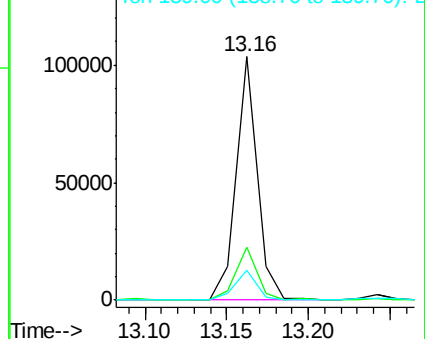
Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.6	26.4
139	12.4	9.9	14.9

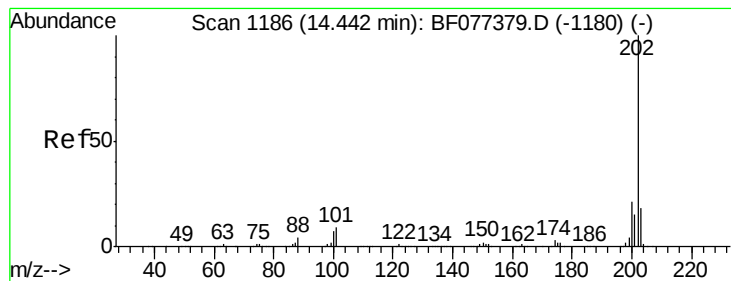


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 53.77 ng

RT: 14.38 min Scan# 1180

Delta R.T. 0.01 min

Lab File: BF077493.D

Acq: 27 Feb 2015 6:26

Instrument :

BNA_F

ClientSampleId :

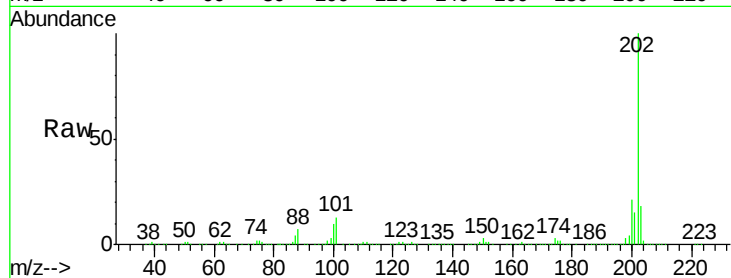
Tot Ion:202 Resp: 1147528

Ion Ratio Lower Upper

202 100

101 13.4 0.0 30.8

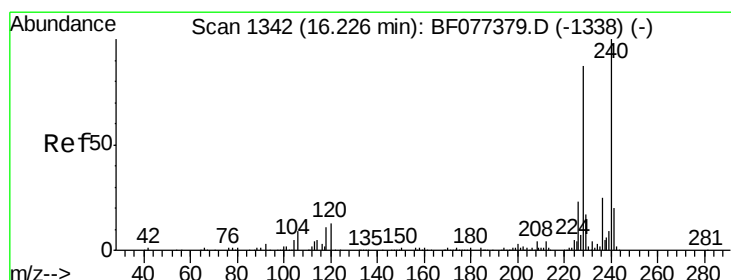
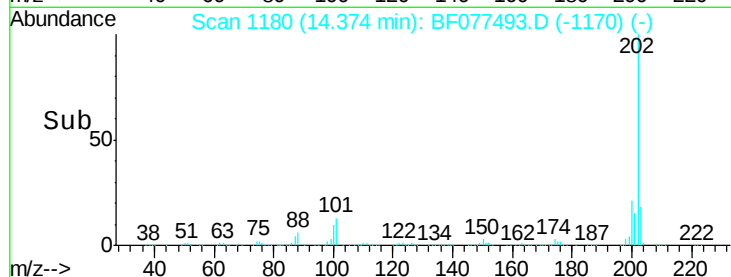
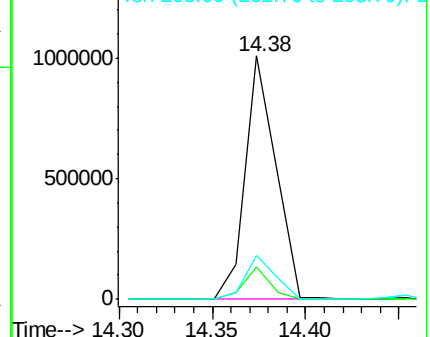
203 18.1 0.0 37.7



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: 16.18 min Scan# 1338

Delta R.T. 0.03 min

Lab File: BF077493.D

Acq: 27 Feb 2015 6:26

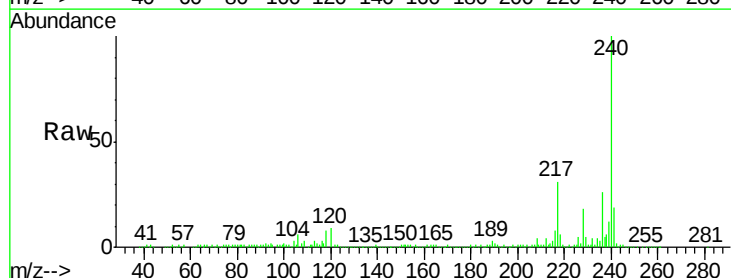
Tgt Ion:240 Resp: 383021

Ion Ratio Lower Upper

240 100

120 8.6 8.8 13.2#

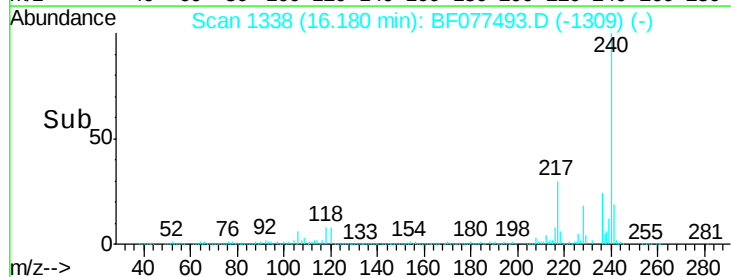
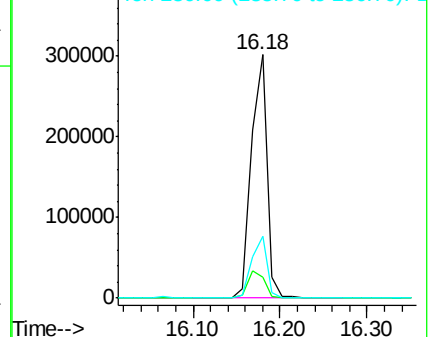
236 25.6 20.7 31.1

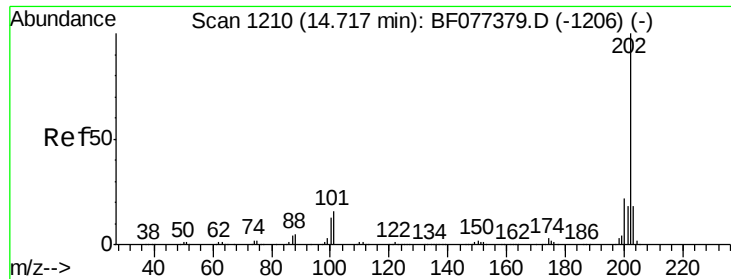


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

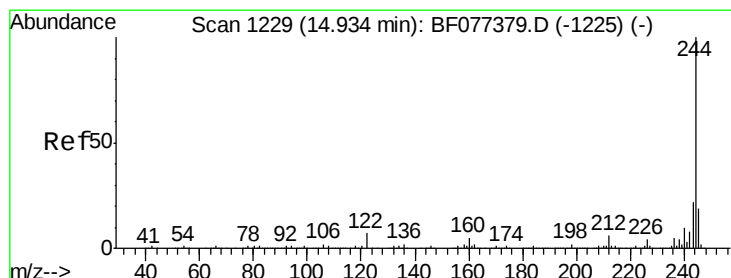
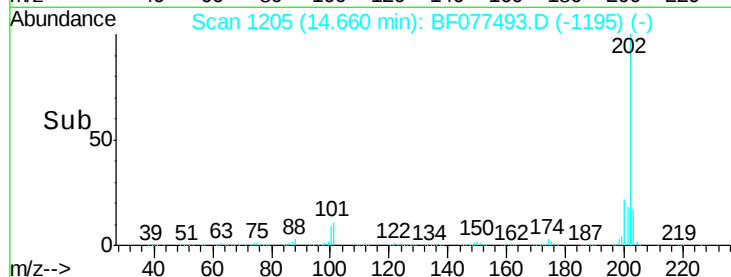
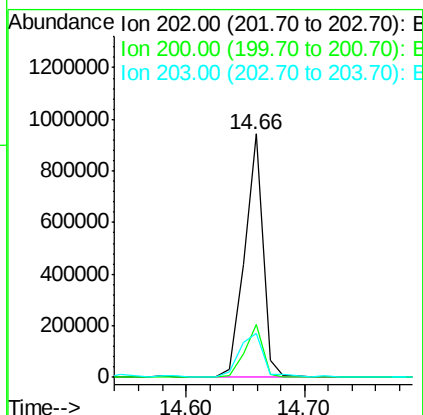
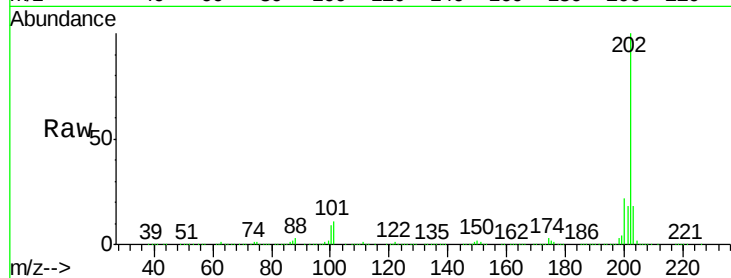




#77
Pvrene
Concen: 43.67 ng
RT: 14.66 min Scan# 1205
Delta R.T. 0.01 min
Lab File: BF077493.D
Acq: 27 Feb 2015 6:26

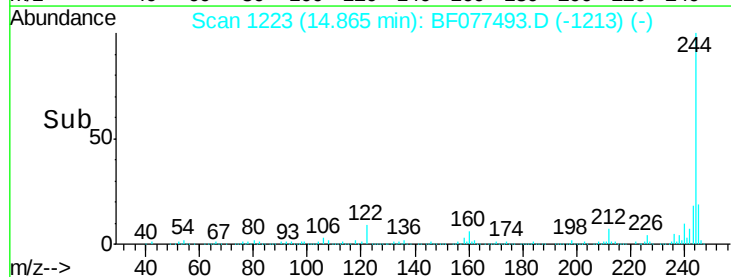
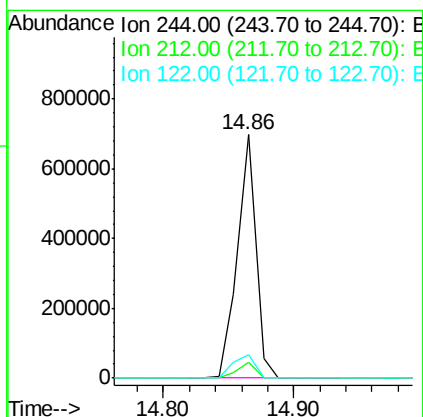
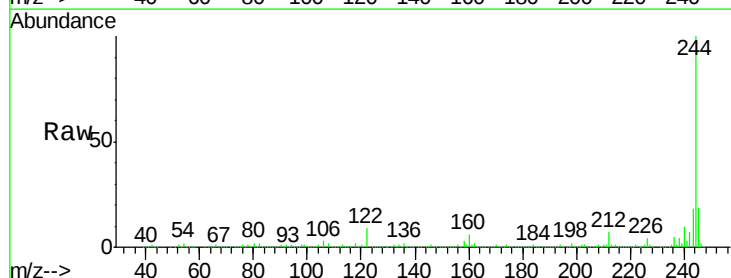
Instrument :
BNA_F
ClientSampleId :

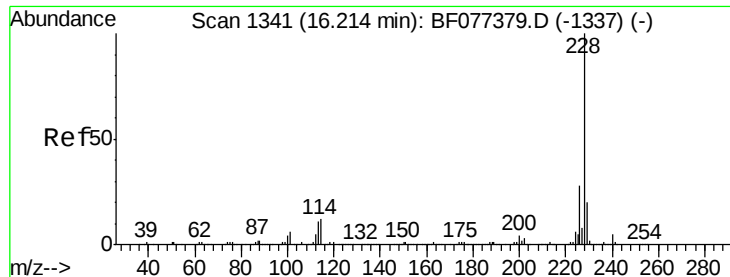
Tot Ion:202 Resp: 1023157
Ion Ratio Lower Upper
202 100
200 21.6 17.1 25.7
203 18.0 14.2 21.2



#78
Terphenyl-d14
Concen: 41.88 ng
RT: 14.86 min Scan# 1223
Delta R.T. 0.01 min
Lab File: BF077493.D
Acq: 27 Feb 2015 6:26

Tgt Ion:244 Resp: 686147
Ion Ratio Lower Upper
244 100
212 6.5 5.2 7.8
122 9.4 7.8 11.8





#80

Benzo(a)anthracene

Concen: 26.68 ng

RT: 16.16 min Scan# 1336

Delta R.T. 0.03 min

Lab File: BF077493.D

Acq: 27 Feb 2015 6:26

Instrument :

BNA_F

ClientSampled :

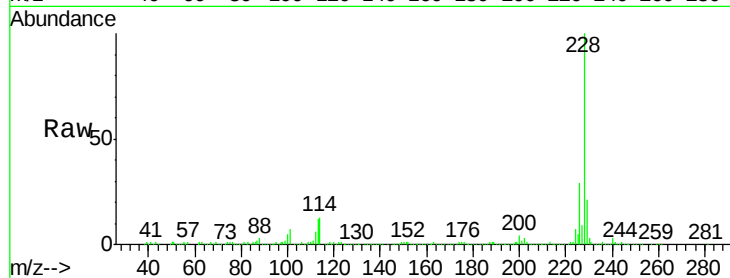
Tot Ion:228 Resp: 598848

Ion Ratio Lower Upper

228 100

226 29.1 22.0 33.0

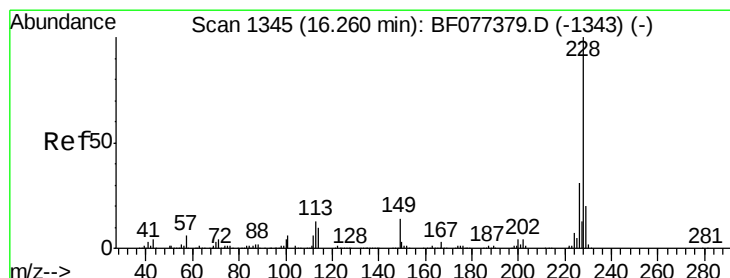
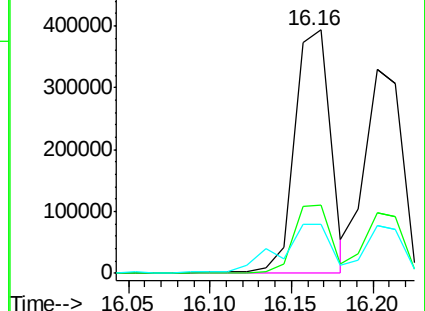
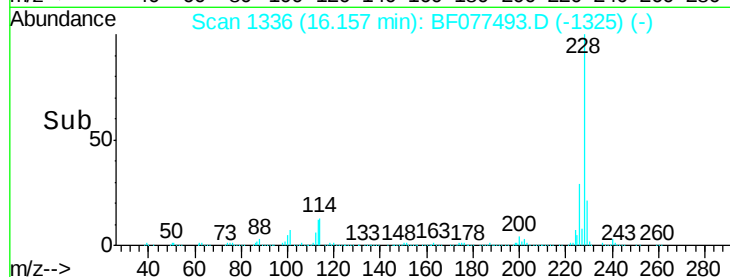
229 21.2 15.8 23.8



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



#82

Chrysene

Concen: 24.58 ng

RT: 16.20 min Scan# 1340

Delta R.T. 0.02 min

Lab File: BF077493.D

Acq: 27 Feb 2015 6:26

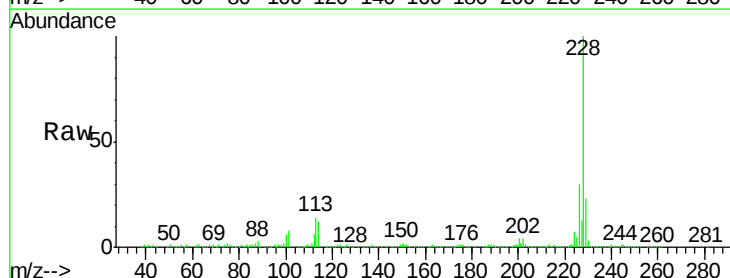
Tgt Ion:228 Resp: 518192

Ion Ratio Lower Upper

228 100

226 29.7 24.9 37.3

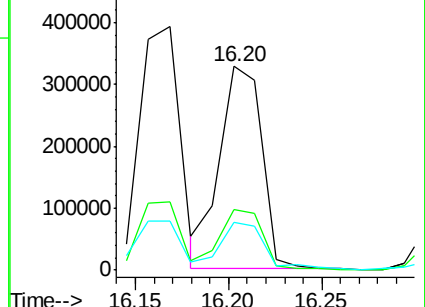
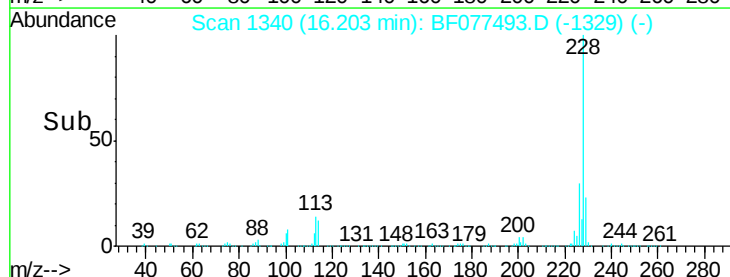
229 23.4 16.4 24.6

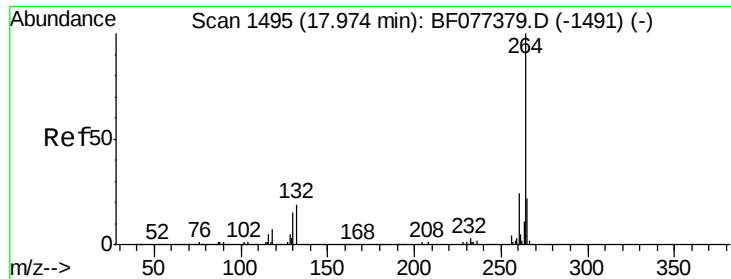


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

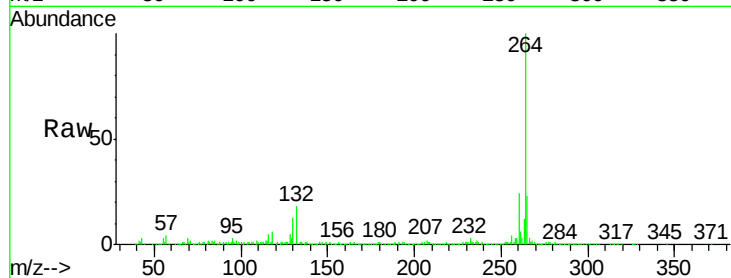




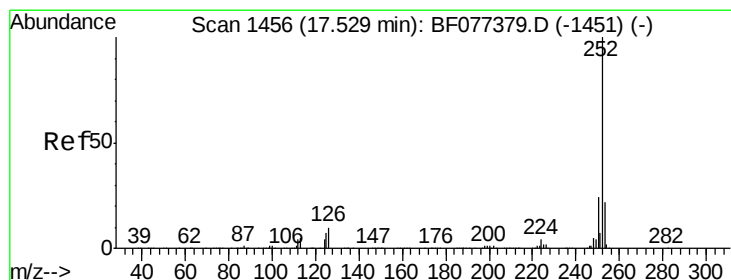
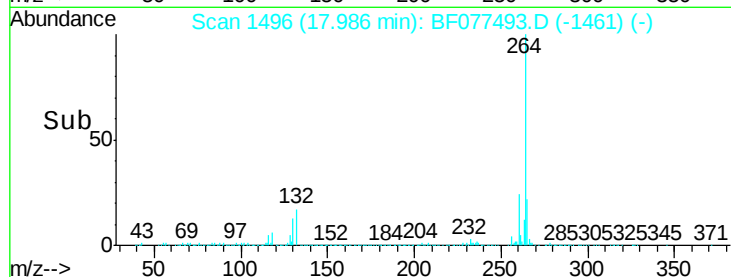
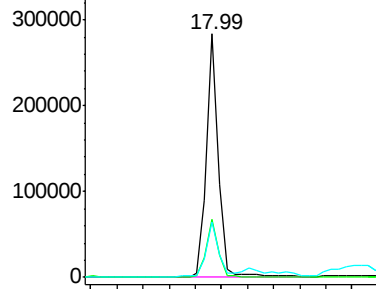
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.99 min Scan# 1496
Delta R.T. 0.11 min
Lab File: BF077493.D
Acq: 27 Feb 2015 6:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 352076
Ion Ratio Lower Upper
264 100
260 23.8 19.3 28.9
265 22.6 16.8 25.2

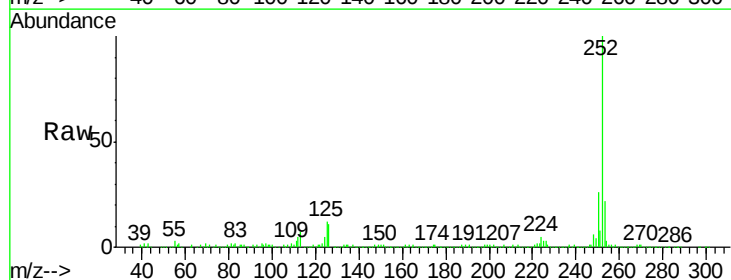


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

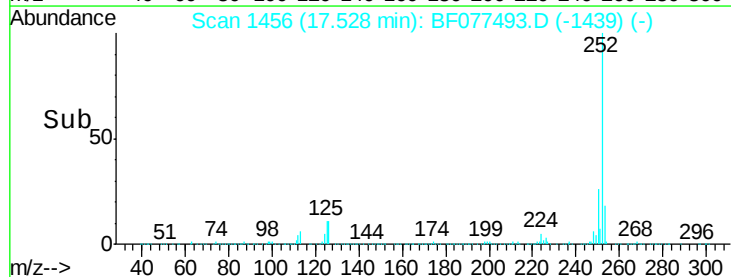
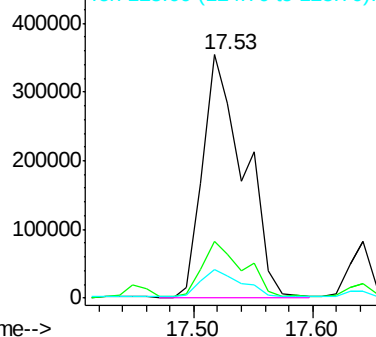


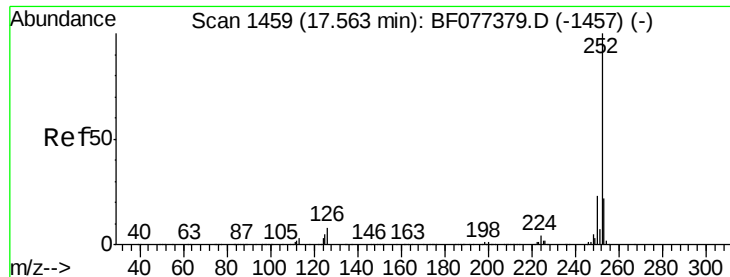
#87
Benzo(b)fluoranthene
Concen: 41.69 ng
RT: 17.53 min Scan# 1456
Delta R.T. 0.09 min
Lab File: BF077493.D
Acq: 27 Feb 2015 6:26

Tgt Ion:252 Resp: 853447
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 11.6 5.4 8.2#



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: 41.59 ng

RT: 17.53 min Scan# 1456

Delta R.T. 0.06 min

Lab File: BF077493.D

Acq: 27 Feb 2015 6:26

Instrument :

BNA_F

ClientSampleId :

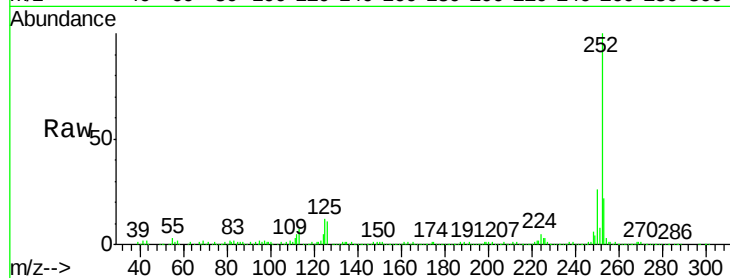
Tot Ion:252 Resp: 834516

Ion Ratio Lower Upper

252 100

253 22.4 18.1 27.1

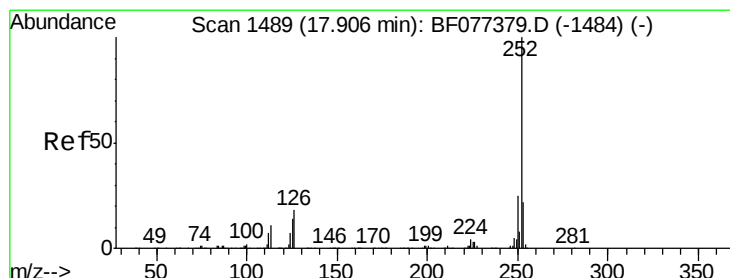
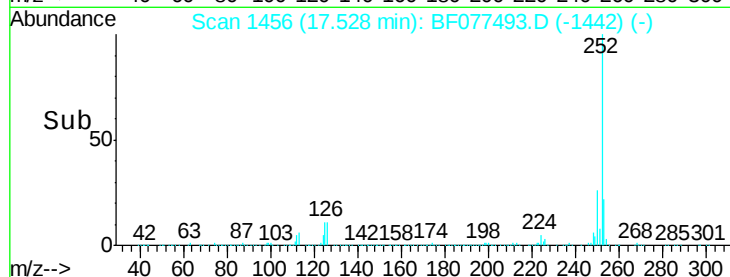
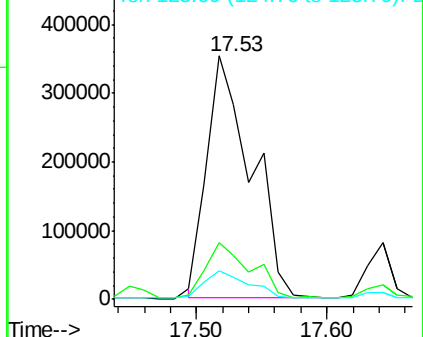
125 11.6 10.1 15.1



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: 22.24 ng

RT: 17.92 min Scan# 1490

Delta R.T. 0.09 min

Lab File: BF077493.D

Acq: 27 Feb 2015 6:26

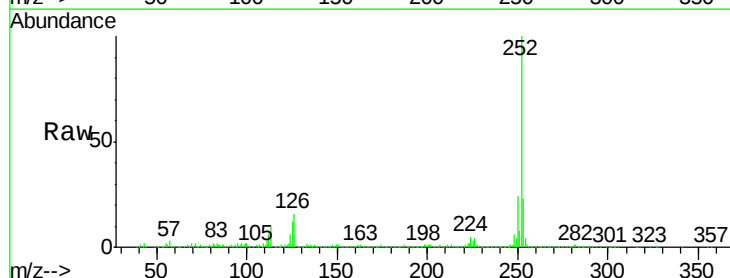
Tgt Ion:252 Resp: 433688

Ion Ratio Lower Upper

252 100

253 23.4 18.2 27.2

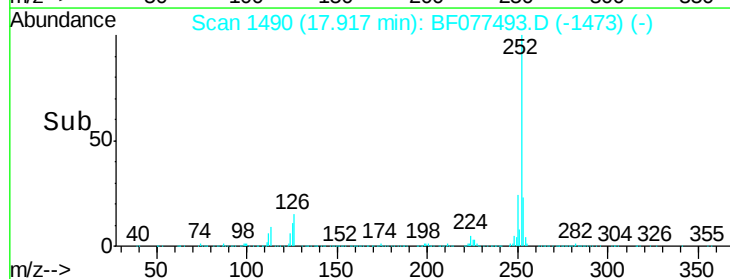
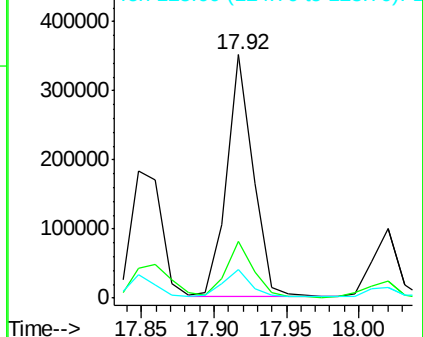
125 12.0 8.3 12.5

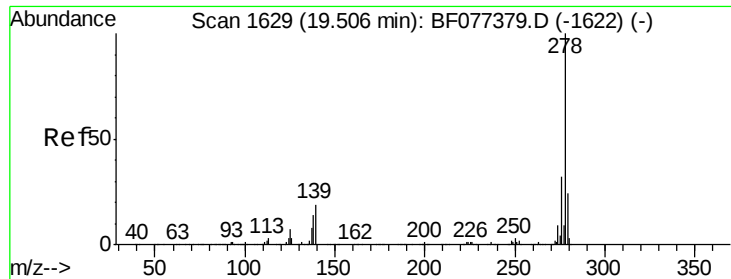


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

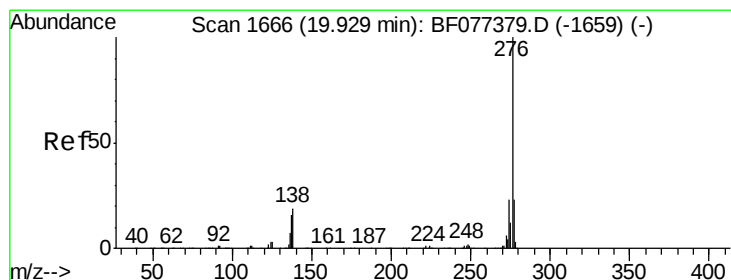
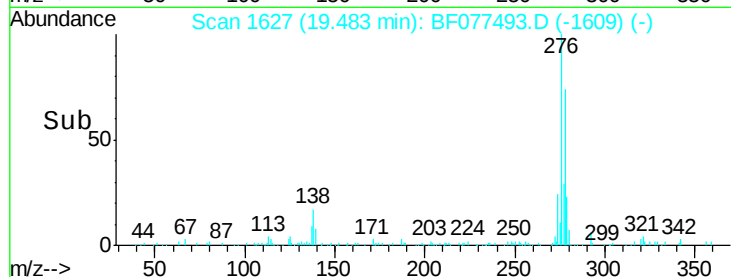
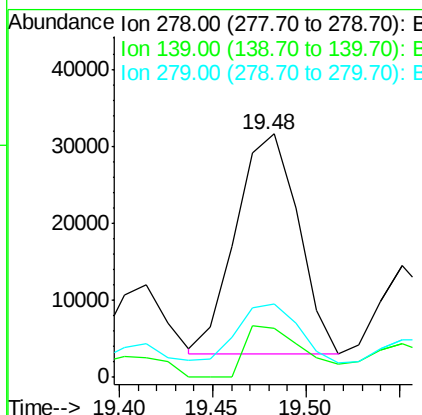
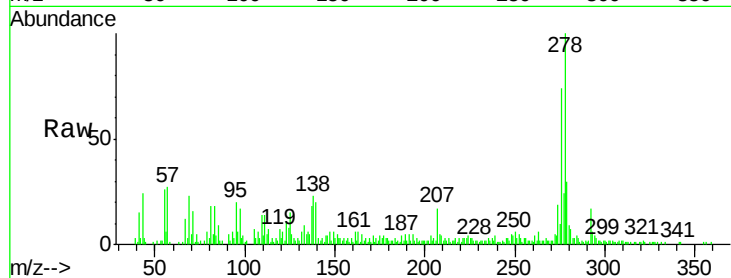




#90
Dibenzo(a,h)anthracene
Concen: 3.55 ng
RT: 19.48 min Scan# 1627
Delta R.T. 0.10 min
Lab File: BF077493.D
Acq: 27 Feb 2015 6:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 66023
Ion Ratio Lower Upper
278 100
139 20.1 14.3 21.5
279 30.4 19.0 28.6#



#91
Benzo(g,h,i)perylene
Concen: 13.44 ng
RT: 19.89 min Scan# 1663
Delta R.T. 0.11 min
Lab File: BF077493.D
Acq: 27 Feb 2015 6:26

Tgt Ion:276 Resp: 252284
Ion Ratio Lower Upper
276 100
277 23.4 18.9 28.3
138 22.4 20.5 30.7

