

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
 Data File : BF077529.D
 Acq On : 2 Mar 2015 18:27
 Operator : TP/IZ
 Sample : G1399-07
 Misc : S
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB15

Quant Time: Mar 03 01:22:41 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 02 23:46:07 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.26	152	100819	20.00	ng	0.00
21) Naphthalene-d8	8.84	136	388849	20.00	ng	0.00
38) Acenaphthene-d10	11.01	164	191067	20.00	ng	0.00
63) Phenanthrene-d10	12.85	188	372471	20.00	ng	0.00
75) Chrysene-d12	16.14	240	411818	20.00	ng	0.00
86) Perylene-d12	17.87	264	382984	20.00	ng	0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	275483	45.62	ng	0.00
7) Phenol-d6	6.82	99	521444	67.16	ng	0.00
23) Nitrobenzene-d5	7.95	82	324521	51.90	ng	0.00
41) 2,4,6-Tribromophenol	11.99	330	36565	19.88	ng	0.00
44) 2-Fluorobiphenyl	10.18	172	690712	56.37	ng	0.00
78) Terphenyl-d14	14.85	244	827353	46.97	ng	0.00

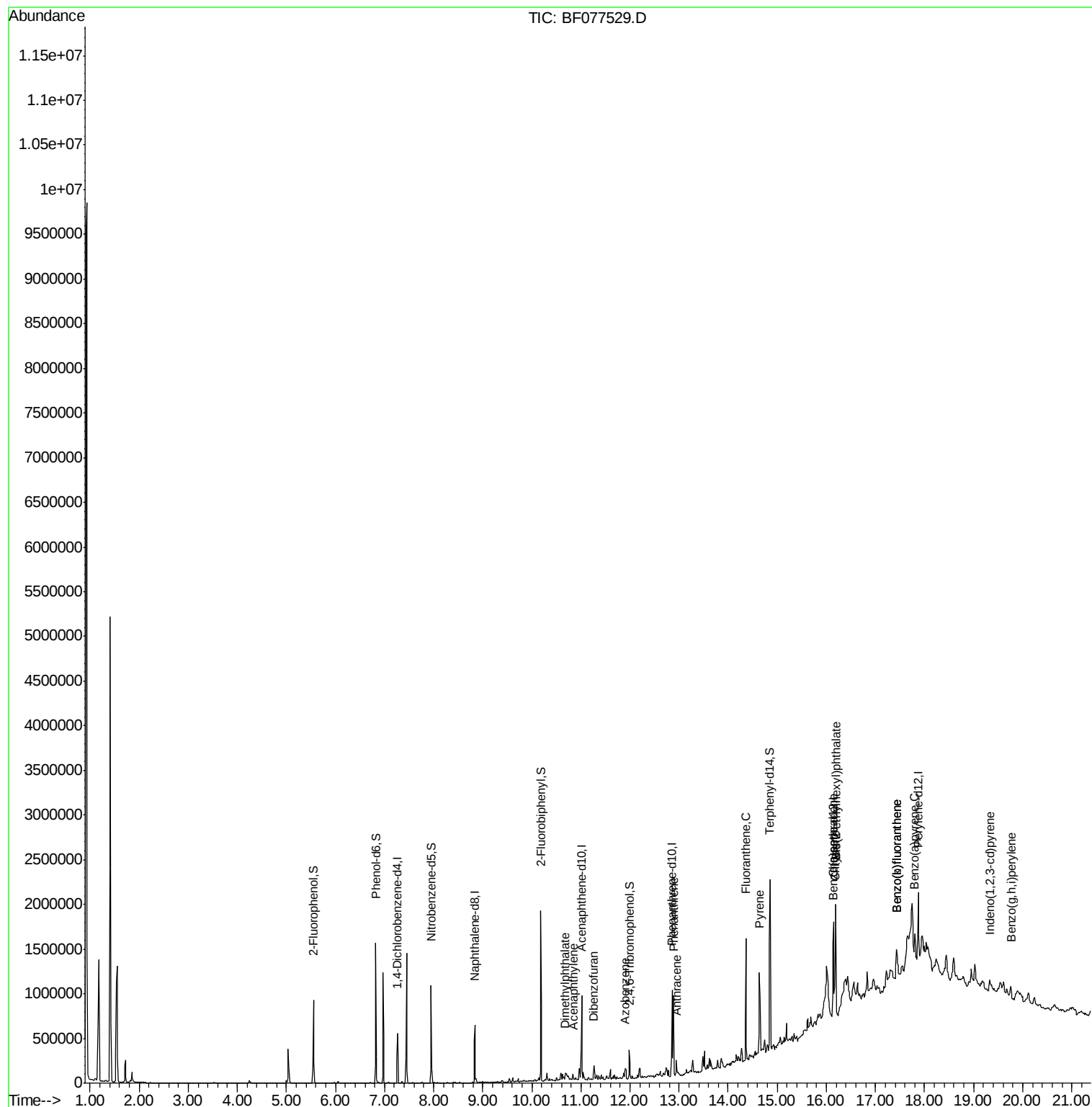
Target Compounds				Qvalue		
48) Acenaphthylene	10.84	152	36630	2.04	ng	99
49) Dimethylphthalate	10.69	163	32441	2.42	ng	99
54) Dibenzofuran	11.27	168	47672	2.88	ng	99
62) Azobenzene	11.91	77	27942	2.22	ng	# 1
70) Phenanthrene	12.88	178	514258	23.82	ng	99
71) Anthracene	12.95	178	70244	3.28	ng	98
74) Fluoranthene	14.36	202	609776	25.86	ng	99
77) Pyrene	14.64	202	488763	19.40	ng	97
80) Benzo(a)anthracene	16.13	228	233706	9.68	ng	95
82) Chrysene	16.17	228	166282	7.34	ng	97
83) Bis(2-ethylhexyl)phthalate	16.19	149	469547	28.25	ng	98
85) Indeno(1,2,3-cd)pyrene	19.33	276	88903	3.44	ng	96
87) Benzo(b)fluoranthene	17.44	252	294244	13.21	ng	# 87
88) Benzo(k)fluoranthene	17.44	252	295699	13.55	ng	# 91
89) Benzo(a)pyrene	17.81	252	139109	6.56	ng	# 87
91) Benzo(g,h,i)perylene	19.76	276	92241	4.52	ng	95

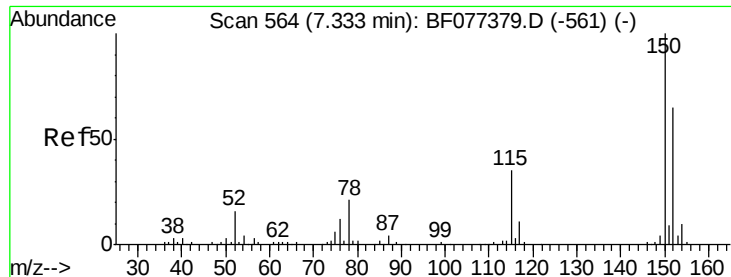
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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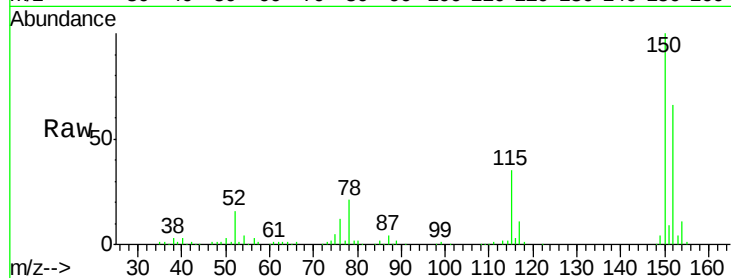


#1

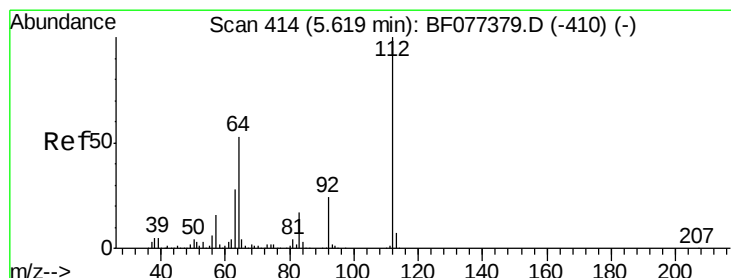
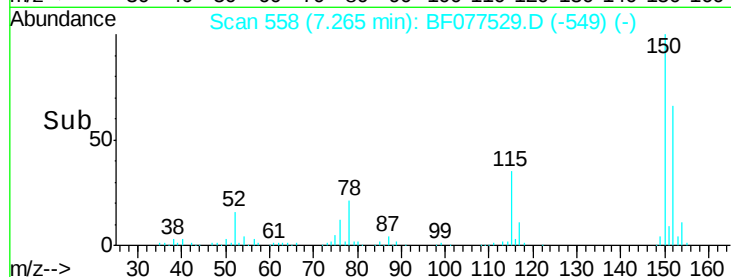
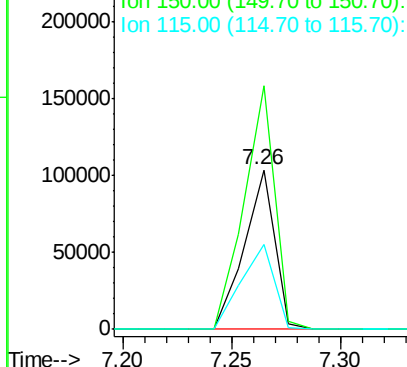
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.26 min Scan# 558
Delta R.T. 0.00 min
Lab File: BF077529.D
Acq: 2 Mar 2015 18:27

Instrument :
BNA_F
ClientSampleId :
SB15

Tgt Ion:152 Resp: 100819
Ion Ratio Lower Upper
152 100
150 152.4 124.0 186.0
115 53.1 49.4 74.2



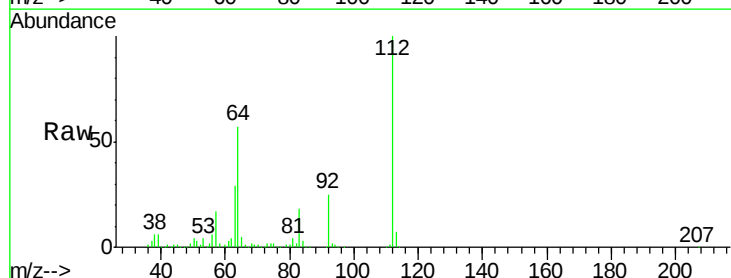
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



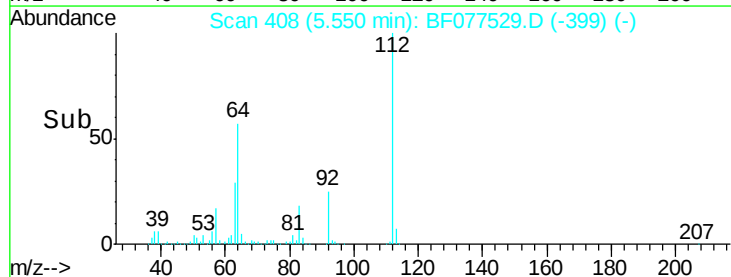
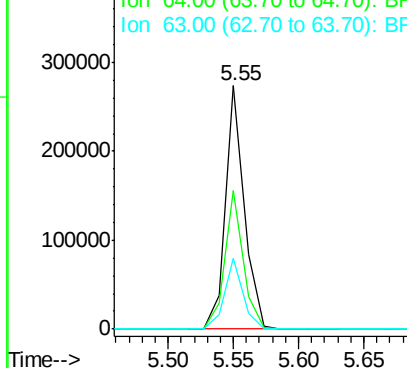
#5

2-Fluorophenol
Concen: 45.62 ng
RT: 5.55 min Scan# 408
Delta R.T. 0.01 min
Lab File: BF077529.D
Acq: 2 Mar 2015 18:27

Tgt Ion:112 Resp: 275483
Ion Ratio Lower Upper
112 100
64 57.1 48.5 72.7
63 29.3 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: 67.16 ng

RT: 6.82 min Scan# 519

Delta R.T. 0.00 min

Lab File: BF077529.D

Acq: 2 Mar 2015 18:27

Instrument :

BNA_F

ClientSampleId :

SB15

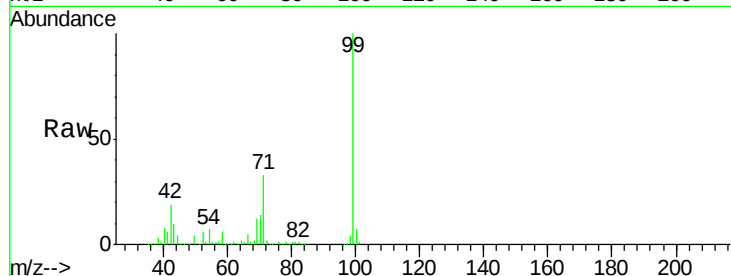
Tgt Ion: 99 Resp: 521444

Ion Ratio Lower Upper

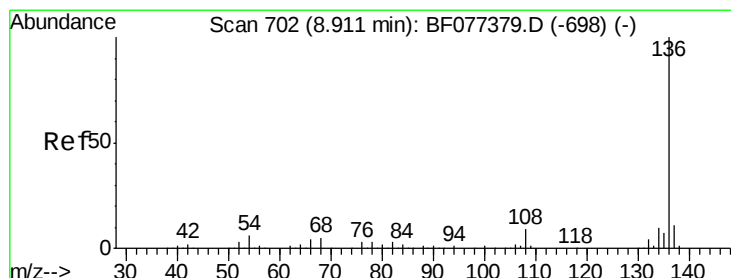
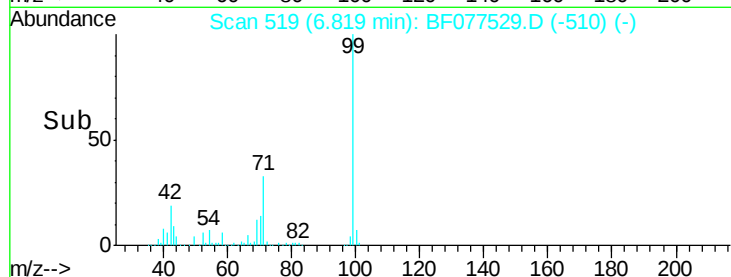
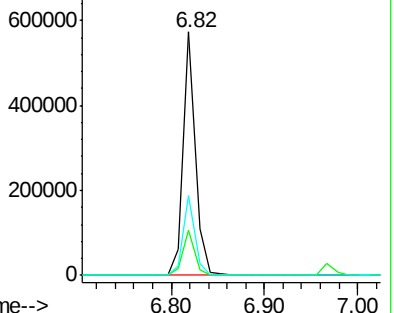
99 100

42 18.7 16.2 24.4

71 32.9 26.7 40.1



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.84 min Scan# 696

Delta R.T. 0.00 min

Lab File: BF077529.D

Acq: 2 Mar 2015 18:27

Tgt Ion: 136 Resp: 388849

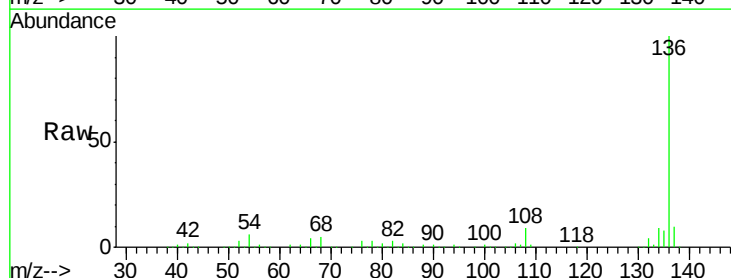
Ion Ratio Lower Upper

136 100

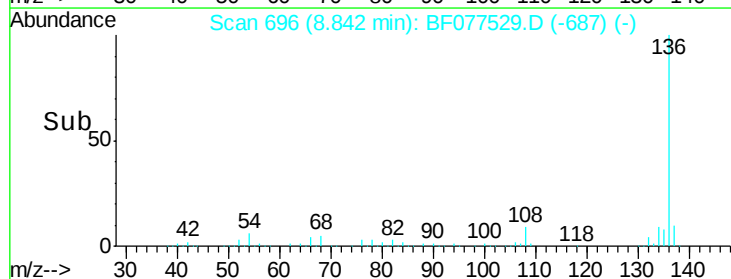
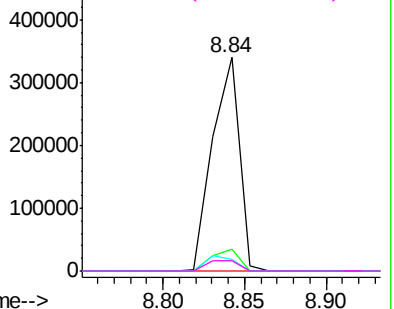
137 10.3 8.6 13.0

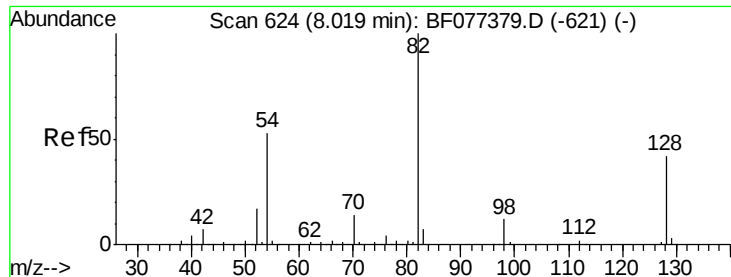
54 5.6 6.2 9.4#

68 4.7 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

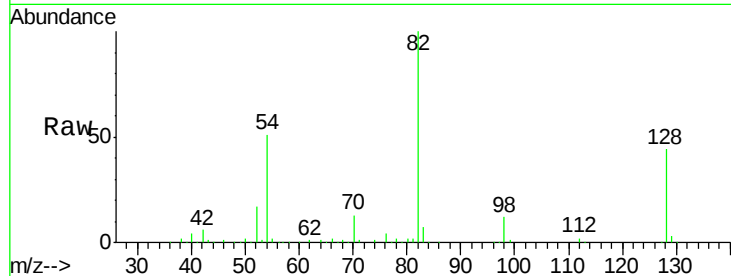




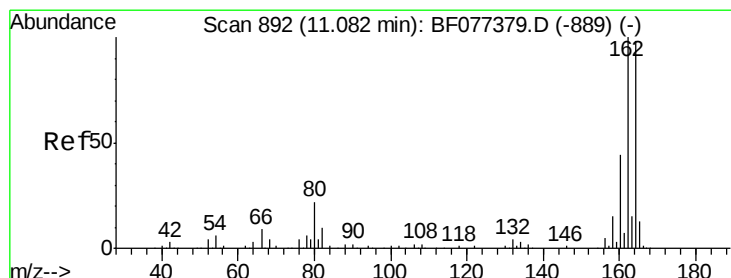
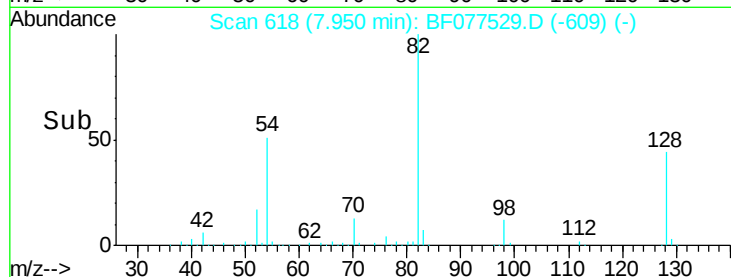
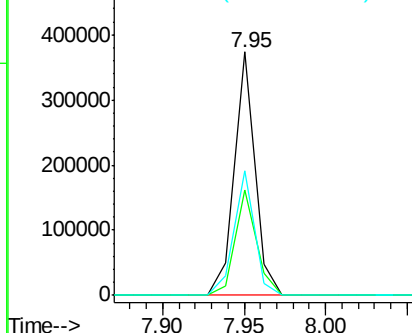
#23
Nitrobenzene-d5
Concen: 51.90 ng
RT: 7.95 min Scan# 618
Delta R.T. 0.00 min
Lab File: BF077529.D
Acq: 2 Mar 2015 18:27

Instrument :
BNA_F
ClientSampled :
SB15

Tgt Ion: 82 Resp: 324521
Ion Ratio Lower Upper
82 100
128 43.5 43.8 65.8#
54 51.2 36.7 55.1

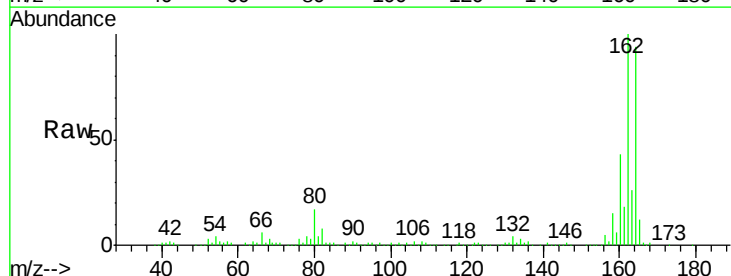


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

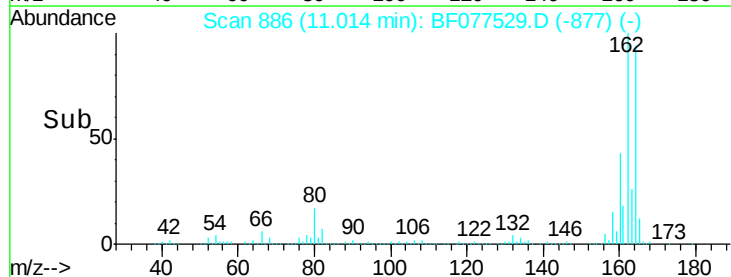
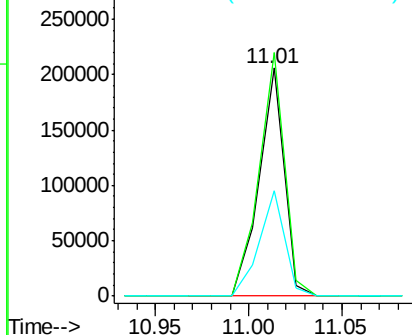


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.01 min Scan# 886
Delta R.T. 0.00 min
Lab File: BF077529.D
Acq: 2 Mar 2015 18:27

Tgt Ion: 164 Resp: 191067
Ion Ratio Lower Upper
164 100
162 106.7 83.2 124.8
160 46.0 34.6 52.0



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

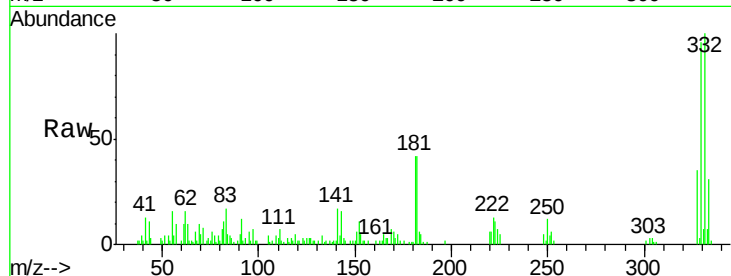




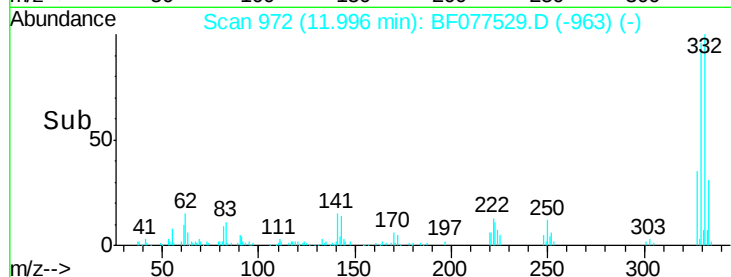
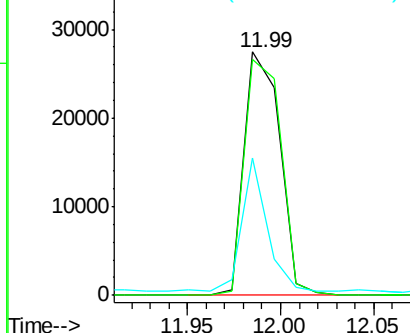
#41
 2,4,6-Tribromophenol
 Concen: 19.88 ng
 RT: 11.99 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: BF077529.D
 Acq: 2 Mar 2015 18:27

Instrument :
 BNA_F
 ClientSampleId :
 SB15

Tgt Ion:330 Resp: 36565
 Ion Ratio Lower Upper
 330 100
 332 100.0 77.4 116.2
 141 39.1 28.8 43.2

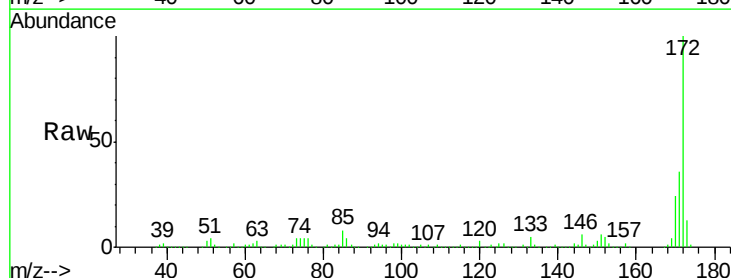


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

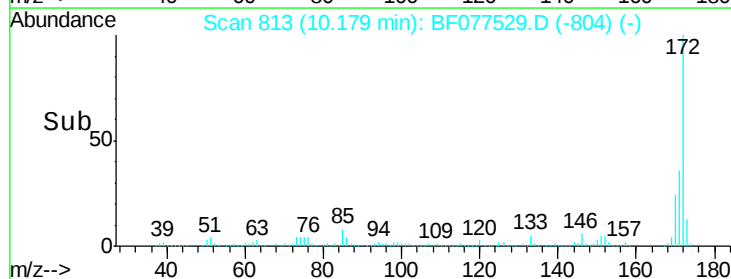
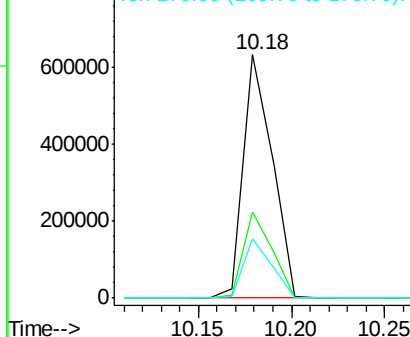


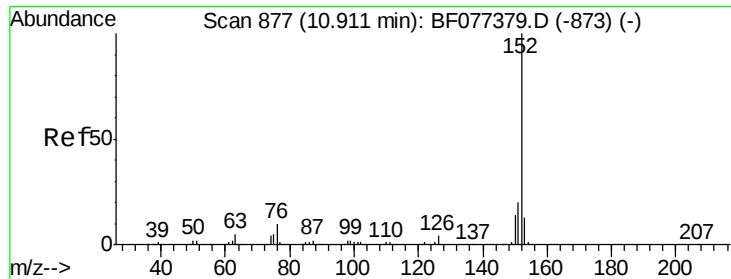
#44
 2-Fluorobiphenyl
 Concen: 56.37 ng
 RT: 10.18 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BF077529.D
 Acq: 2 Mar 2015 18:27

Tgt Ion:172 Resp: 690712
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.9 43.3
 170 24.2 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





#48

Acenaphthylene

Concen: 2.04 ng

RT: 10.84 min Scan# 870

Delta R.T. 0.00 min

Lab File: BF077529.D

Acq: 2 Mar 2015 18:27

Instrument :

BNA_F

ClientSampleId :

SB15

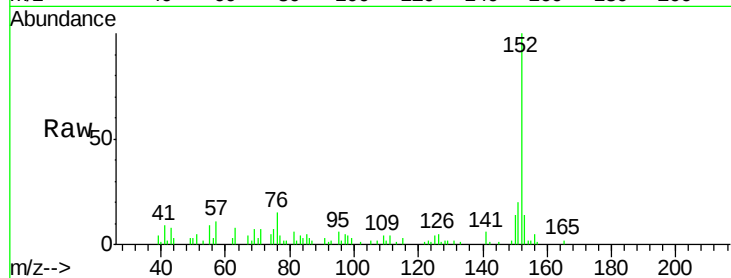
Tgt Ion:152 Resp: 36630

Ion Ratio Lower Upper

152 100

151 20.3 16.1 24.1

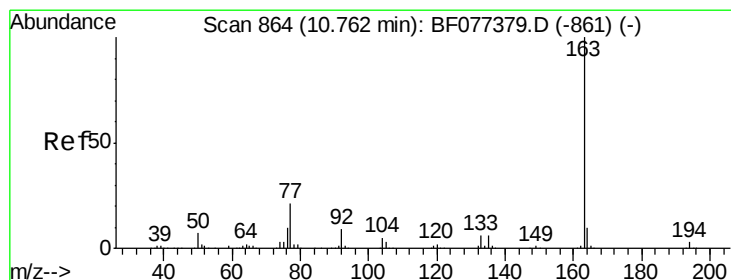
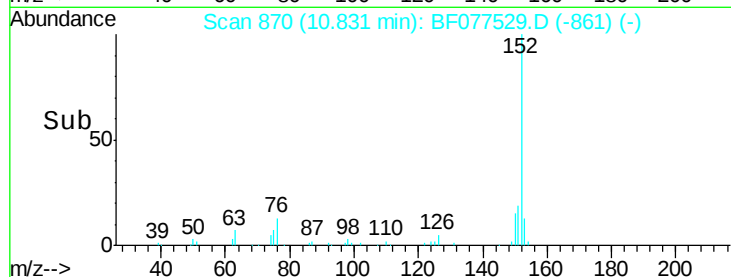
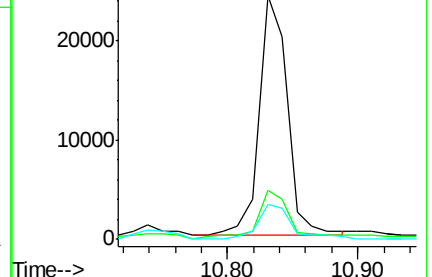
153 14.5 10.9 16.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 2.42 ng

RT: 10.69 min Scan# 857

Delta R.T. -0.00 min

Lab File: BF077529.D

Acq: 2 Mar 2015 18:27

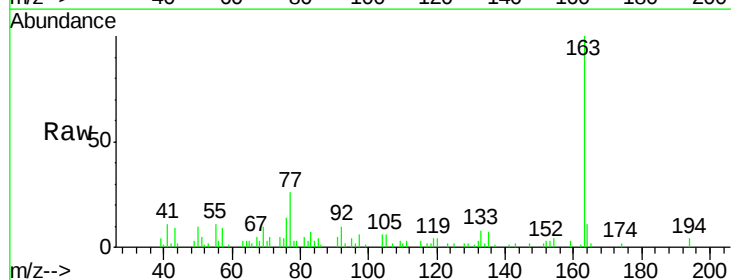
Tgt Ion:163 Resp: 32441

Ion Ratio Lower Upper

163 100

194 4.0 2.6 4.0

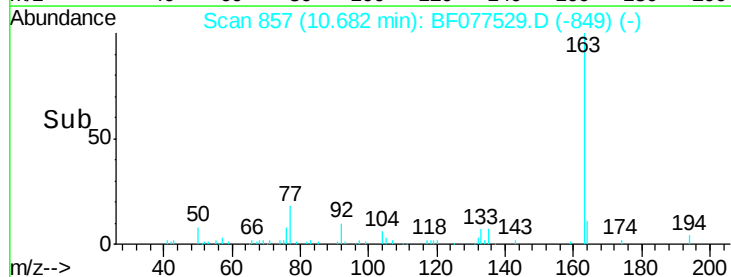
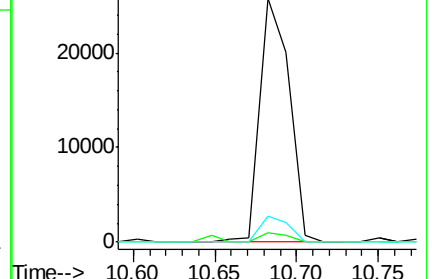
164 10.9 8.6 13.0

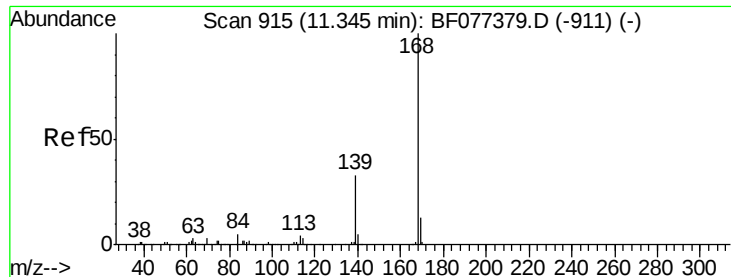


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

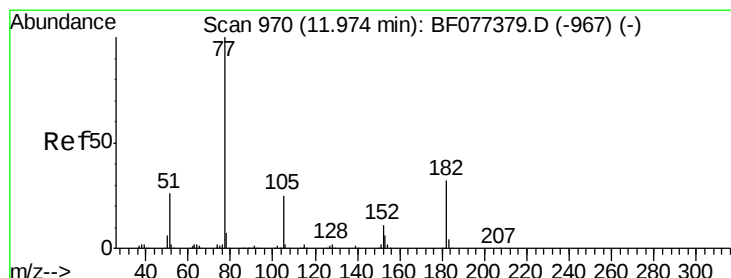
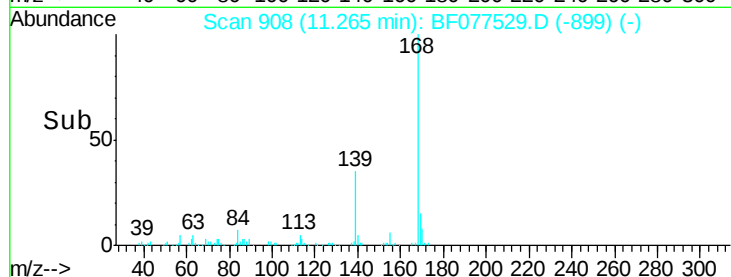
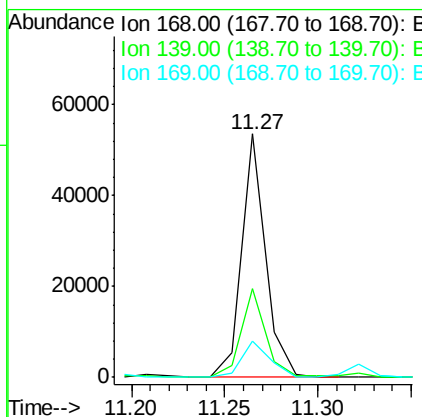
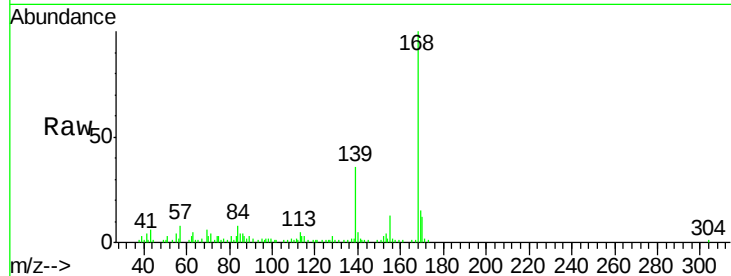




#54
Dibenzenofuran
Concen: 2.88 ng
RT: 11.27 min Scan# 908
Delta R.T. 0.00 min
Lab File: BF077529.D
Acq: 2 Mar 2015 18:27

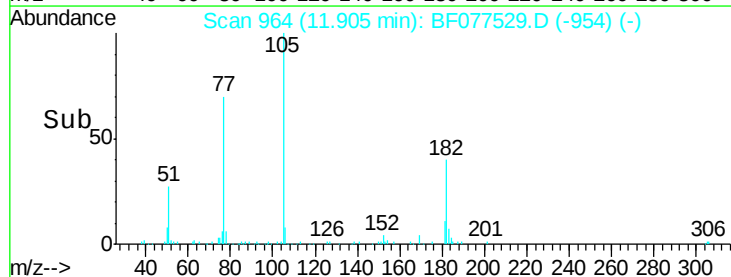
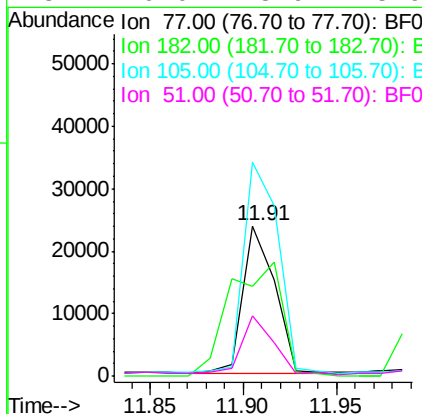
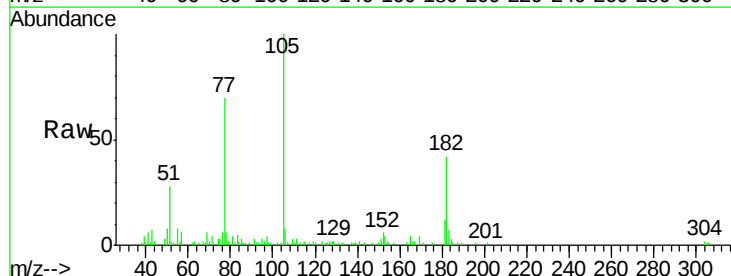
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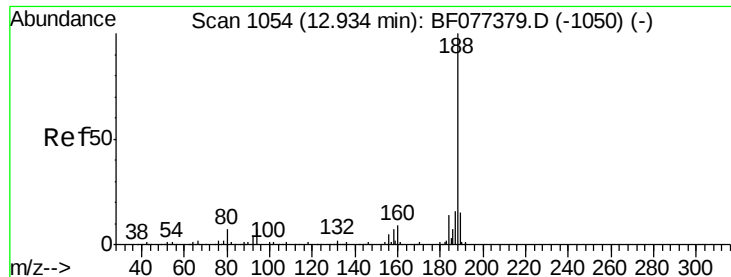
Tgt Ion: 168 Resp: 47672
Ion Ratio Lower Upper
168 100
139 36.4 29.3 43.9
169 15.2 10.9 16.3



#62
Azobenzene
Concen: 2.22 ng
RT: 11.91 min Scan# 964
Delta R.T. 0.02 min
Lab File: BF077529.D
Acq: 2 Mar 2015 18:27

Tgt Ion: 77 Resp: 27942
Ion Ratio Lower Upper
77 100
182 59.9 4.9 44.9#
105 142.6 3.3 43.3#
51 40.0 8.9 48.9

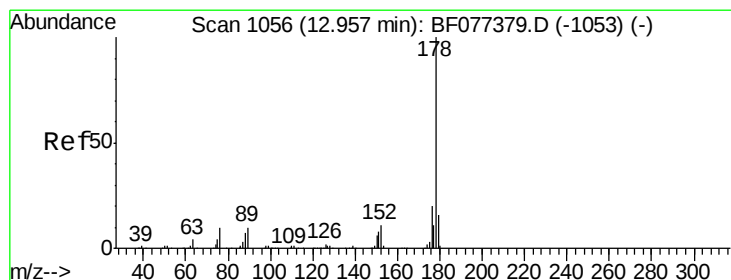
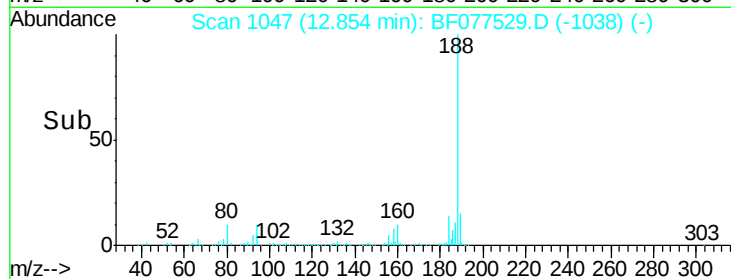
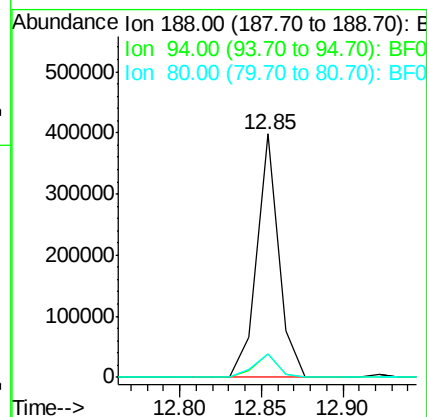
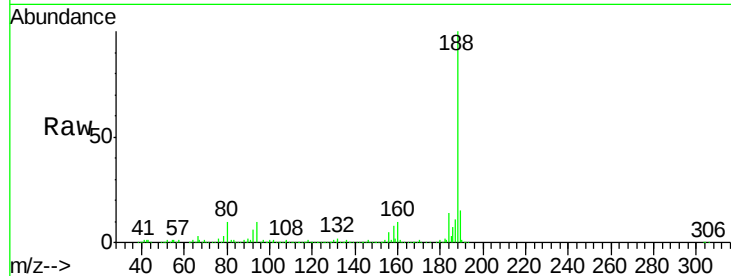




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.85 min Scan# 1047
Delta R.T. 0.00 min
Lab File: BF077529.D
Acq: 2 Mar 2015 18:27

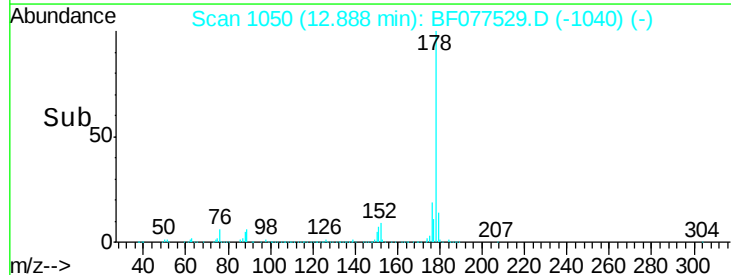
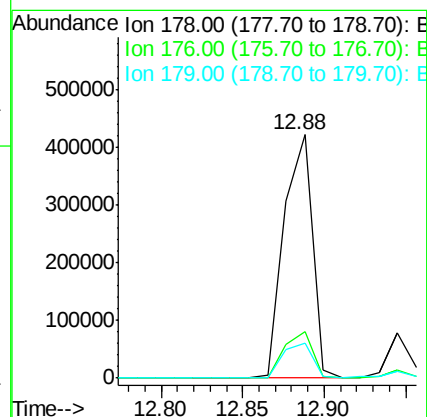
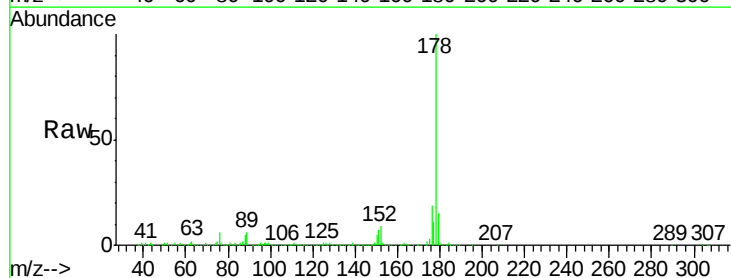
Instrument :
BNA_F
ClientSampleId :
SB15

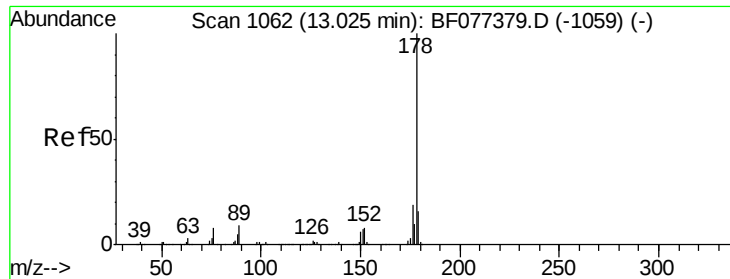
Tgt Ion:188 Resp: 372471
Ion Ratio Lower Upper
188 100
94 9.8 7.4 11.2
80 9.9 8.0 12.0



#70
Phenanthrene
Concen: 23.82 ng
RT: 12.88 min Scan# 1050
Delta R.T. 0.00 min
Lab File: BF077529.D
Acq: 2 Mar 2015 18:27

Tgt Ion:178 Resp: 514258
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 14.6 12.2 18.2

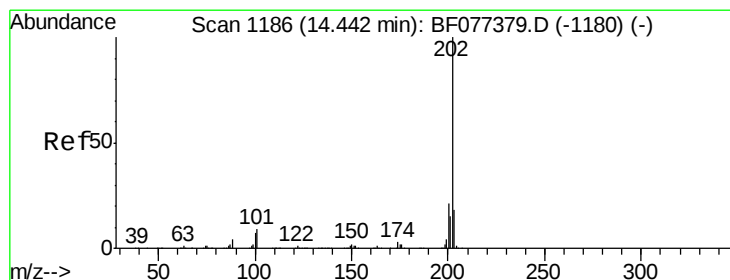
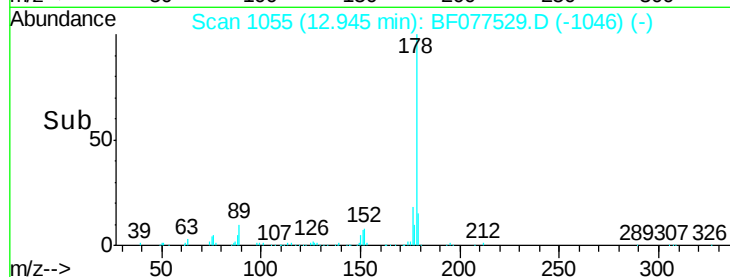
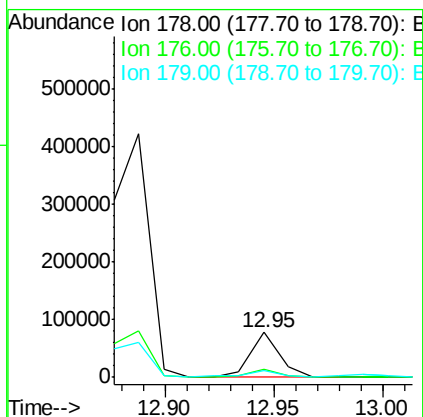
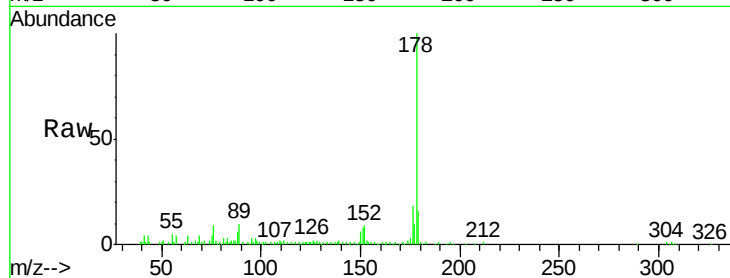




#71
 Anthracene
 Concen: 3.28 ng
 RT: 12.95 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: BF077529.D
 Acq: 2 Mar 2015 18:27

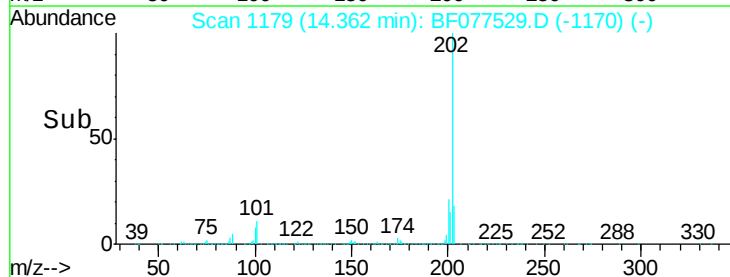
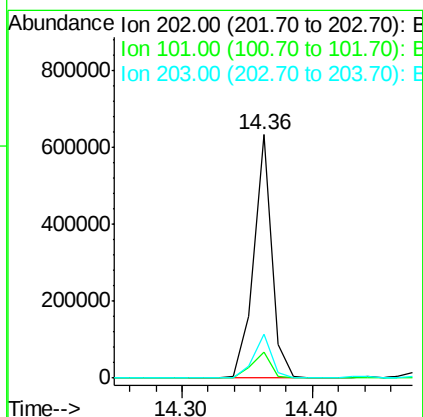
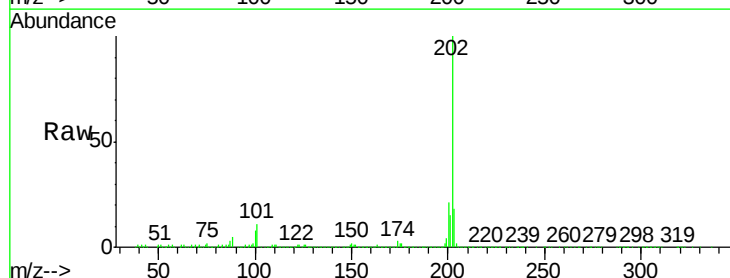
Instrument :
 BNA_F
 ClientSampleId :
 SB15

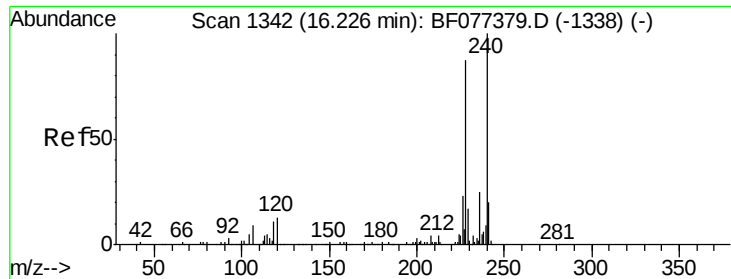
Tgt Ion:178 Resp: 70244
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.4 23.0
 179 15.9 12.9 19.3



#74
 Fluoranthene
 Concen: 25.86 ng
 RT: 14.36 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: BF077529.D
 Acq: 2 Mar 2015 18:27

Tgt Ion:202 Resp: 609776
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 30.8
 203 18.1 0.0 37.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.14 min Scan# 1335

Delta R.T. 0.01 min

Lab File: BF077529.D

Acq: 2 Mar 2015 18:27

Instrument :

BNA_F

ClientSampleId :

SB15

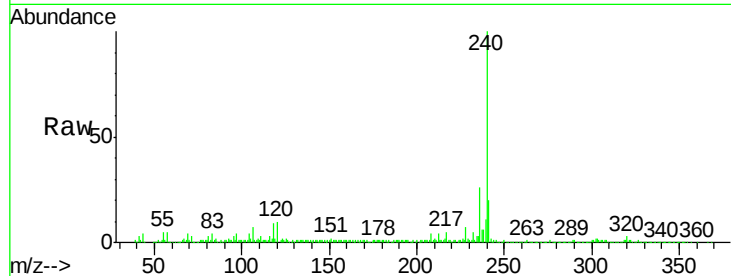
Tgt Ion:240 Resp: 411818

Ion Ratio Lower Upper

240 100

120 10.1 8.8 13.2

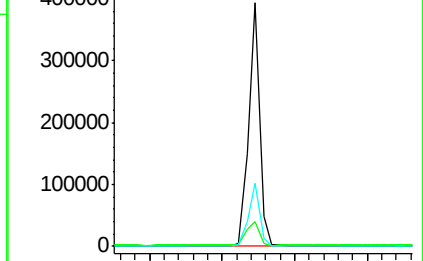
236 26.2 20.7 31.1



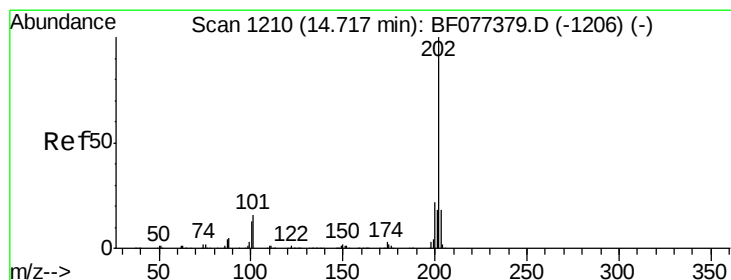
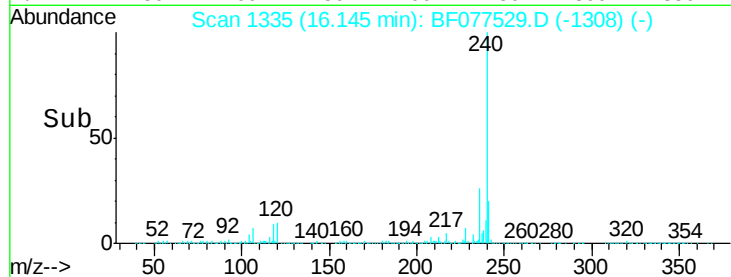
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#77

Pyrene

Concen: 19.40 ng

RT: 14.64 min Scan# 1203

Delta R.T. 0.01 min

Lab File: BF077529.D

Acq: 2 Mar 2015 18:27

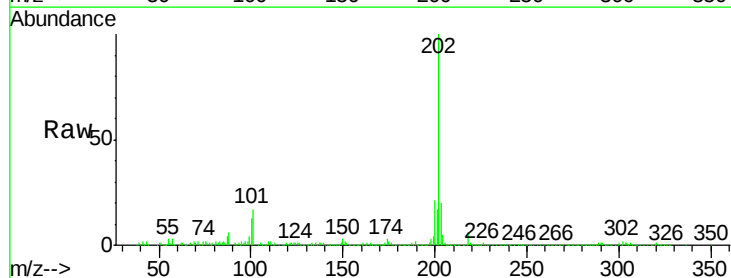
Tgt Ion:202 Resp: 488763

Ion Ratio Lower Upper

202 100

200 21.0 17.1 25.7

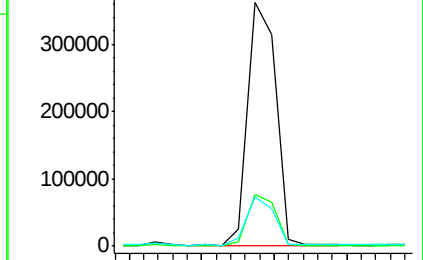
203 20.4 14.2 21.2



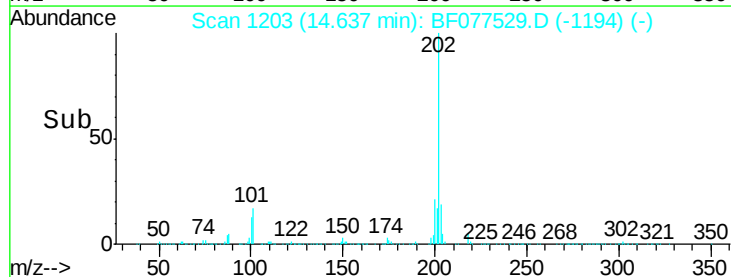
Abundance Ion 202.00 (201.70 to 202.70): E

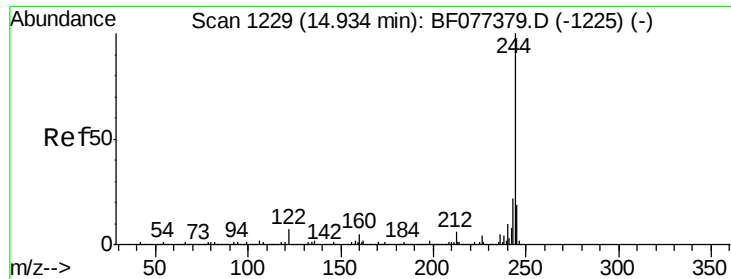
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->

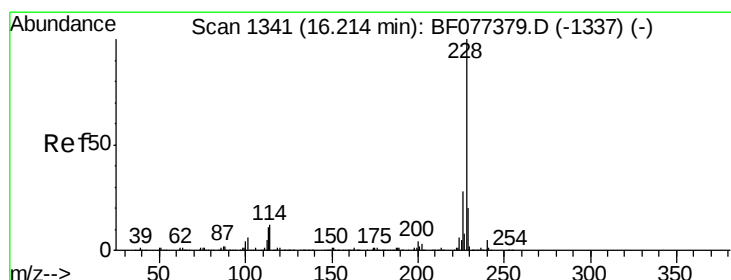
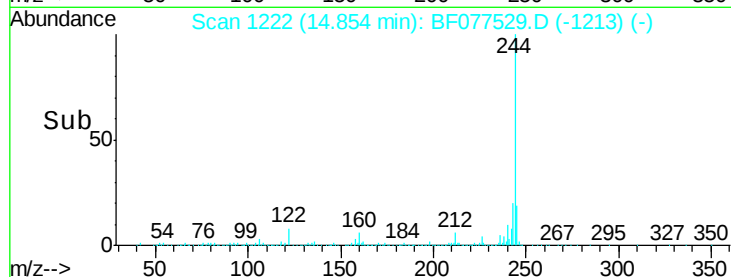
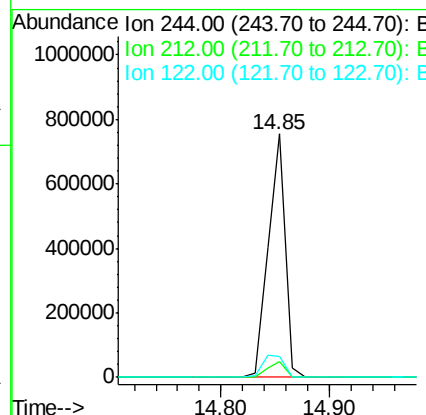
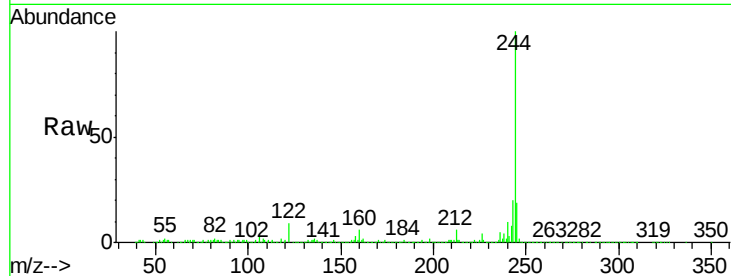




#78
 Terphenyl-d14
 Concen: 46.97 ng
 RT: 14.85 min Scan# 1222
 Delta R.T. 0.00 min
 Lab File: BF077529.D
 Acq: 2 Mar 2015 18:27

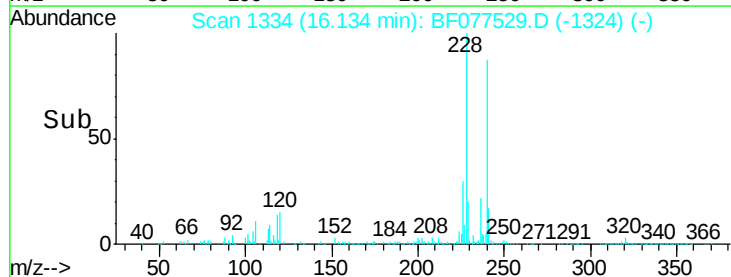
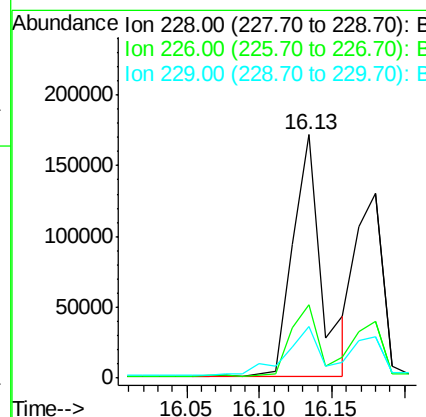
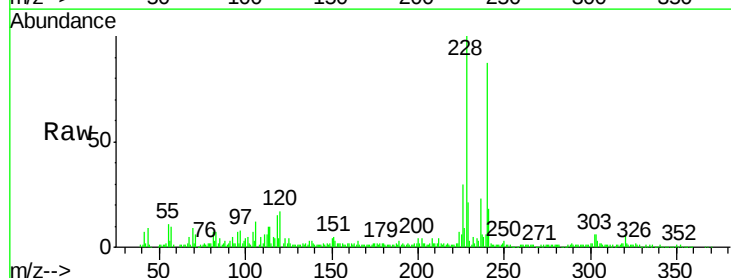
Instrument :
 BNA_F
 ClientSampleId :
 SB15

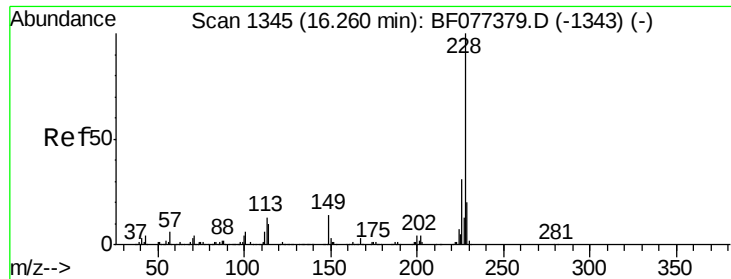
Tgt Ion:244 Resp: 827353
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.2 7.8
 122 8.5 7.8 11.8



#80
 Benzo(a)anthracene
 Concen: 9.68 ng
 RT: 16.13 min Scan# 1334
 Delta R.T. 0.01 min
 Lab File: BF077529.D
 Acq: 2 Mar 2015 18:27

Tgt Ion:228 Resp: 233706
 Ion Ratio Lower Upper
 228 100
 226 30.2 22.0 33.0
 229 21.4 15.8 23.8





#82

Chrysene

Concen: 7.34 ng

RT: 16.17 min Scan# 1337

Delta R.T. 0.00 min

Lab File: BF077529.D

Acq: 2 Mar 2015 18:27

Instrument :

BNA_F

ClientSampleId :

SB15

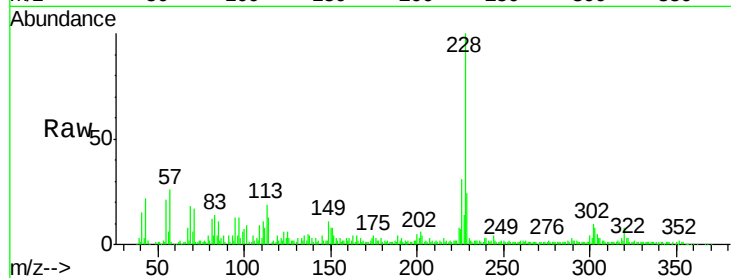
Tgt Ion:228 Resp: 166282

Ion Ratio Lower Upper

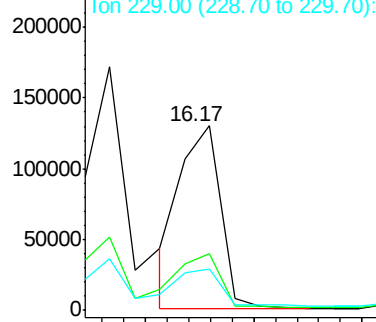
228 100

226 31.0 24.9 37.3

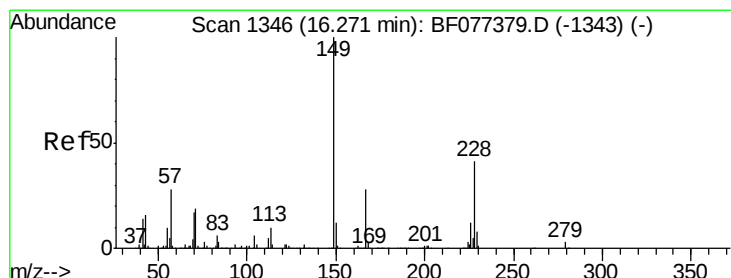
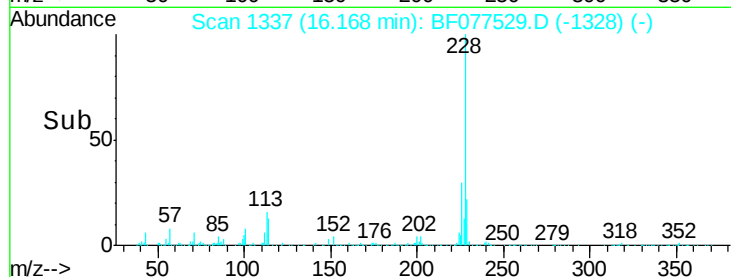
229 24.4 16.4 24.6



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



Time-->



#83

Bis(2-ethylhexyl)phthalate

Concen: 28.25 ng

RT: 16.19 min Scan# 1339

Delta R.T. 0.01 min

Lab File: BF077529.D

Acq: 2 Mar 2015 18:27

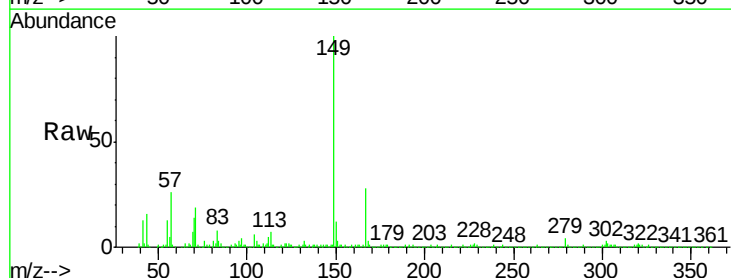
Tgt Ion:149 Resp: 469547

Ion Ratio Lower Upper

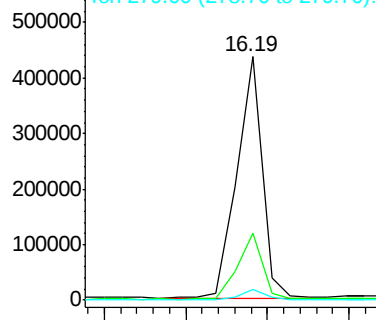
149 100

167 27.5 22.8 34.2

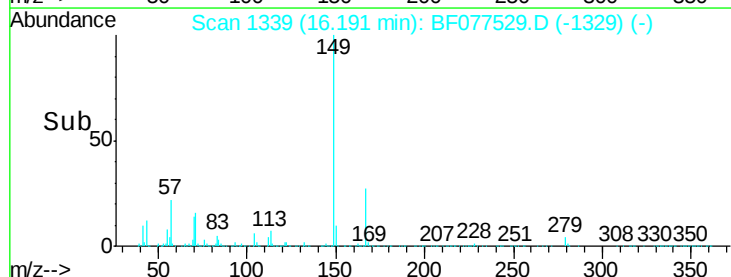
279 4.2 3.8 5.6

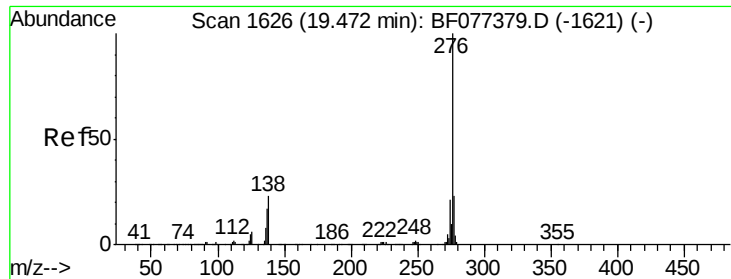


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



Time-->

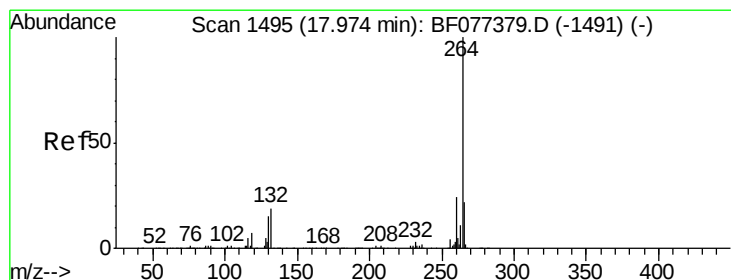
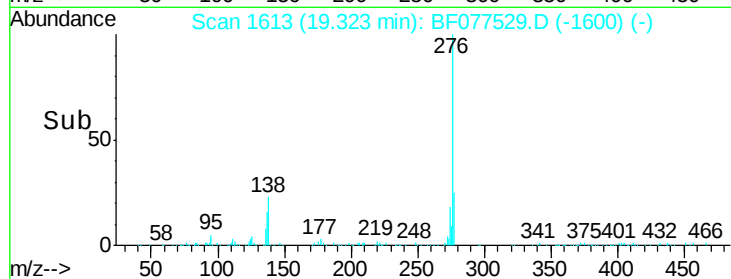
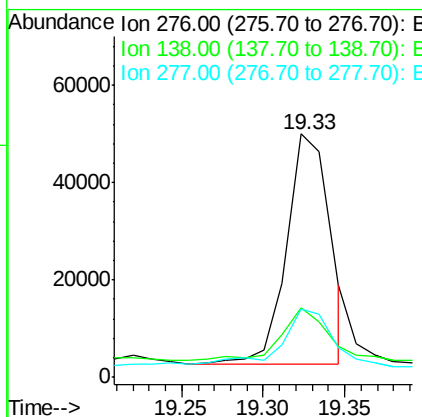
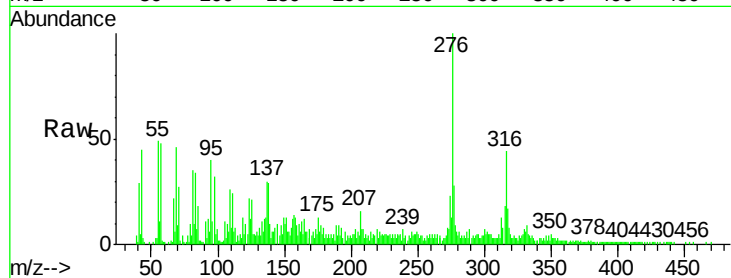




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.44 ng
 RT: 19.33 min Scan# 1613
 Delta R.T. 0.05 min
 Lab File: BF077529.D
 Acq: 2 Mar 2015 18:27

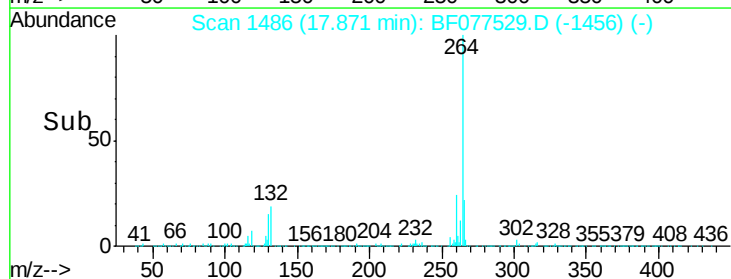
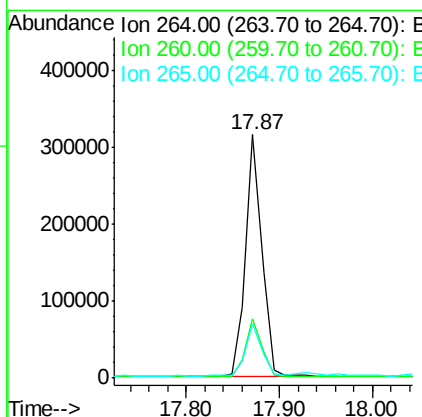
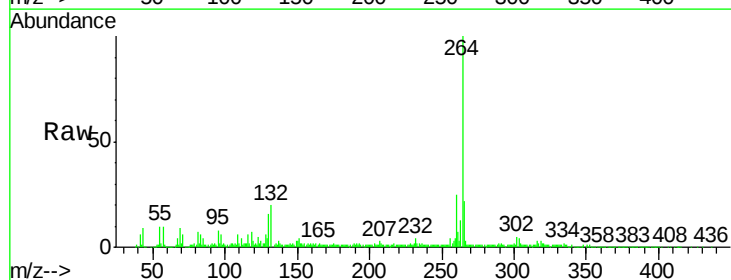
Instrument :
 BNA_F
 ClientSampleId :
 SB15

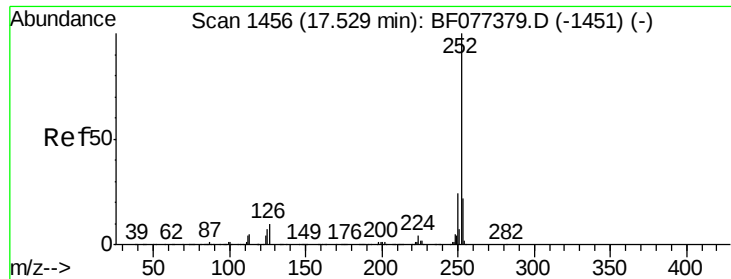
Tgt Ion: 276 Resp: 88903
 Ion Ratio Lower Upper
 276 100
 138 22.2 21.2 31.8
 277 25.1 20.0 30.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.87 min Scan# 1486
 Delta R.T. 0.04 min
 Lab File: BF077529.D
 Acq: 2 Mar 2015 18:27

Tgt Ion: 264 Resp: 382984
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.3 28.9
 265 22.2 16.8 25.2





#87

Benzo(b)fluoranthene

Concen: 13.21 ng

RT: 17.44 min Scan# 1448

Delta R.T. 0.05 min

Lab File: BF077529.D

Acq: 2 Mar 2015 18:27

Instrument :

BNA_F

ClientSampleId :

SB15

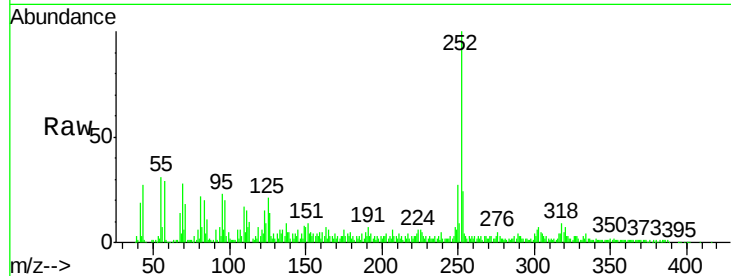
Tgt Ion:252 Resp: 294244

Ion Ratio Lower Upper

252 100

253 24.1 17.6 26.4

125 20.6 5.4 8.2#

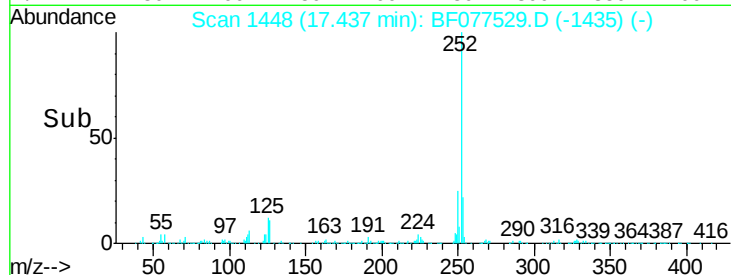


Abundance Ion 252.00 (251.70 to 252.70): E

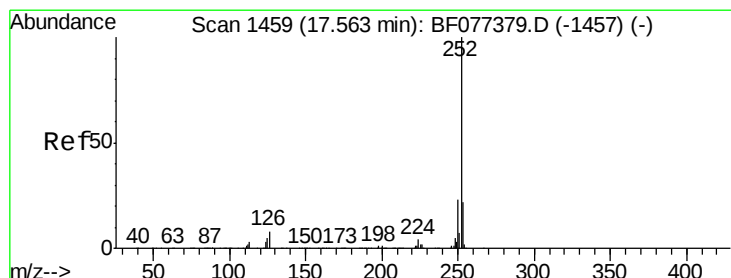
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time--> 17.35 17.40 17.45 17.50



Time--> 17.35 17.40 17.45 17.50



#88

Benzo(k)fluoranthene

Concen: 13.55 ng

RT: 17.44 min Scan# 1448

Delta R.T. 0.01 min

Lab File: BF077529.D

Acq: 2 Mar 2015 18:27

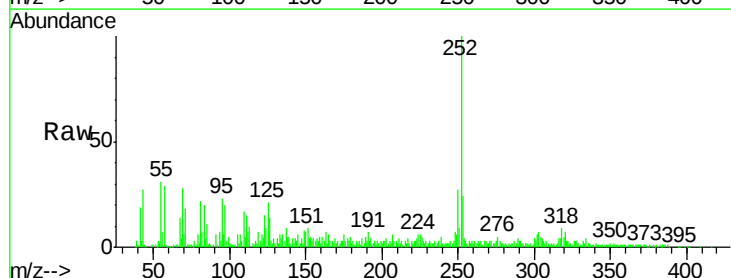
Tgt Ion:252 Resp: 295699

Ion Ratio Lower Upper

252 100

253 24.1 18.1 27.1

125 20.6 10.1 15.1#

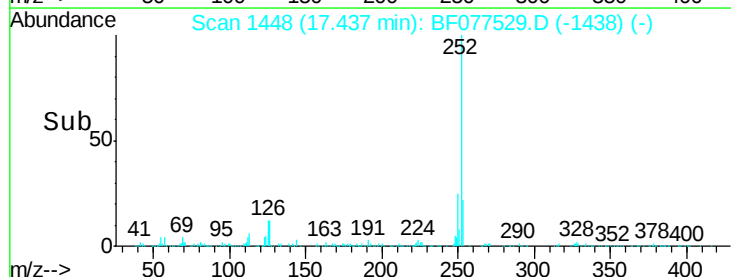


Abundance Ion 252.00 (251.70 to 252.70): E

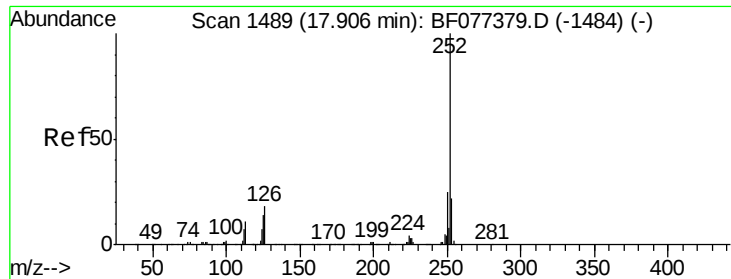
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time--> 17.40 17.50



Time--> 17.40 17.50



#89

Benzo(a)pyrene

Concen: 6.56 ng

RT: 17.81 min Scan# 1480

Delta R.T. 0.04 min

Lab File: BF077529.D

Acq: 2 Mar 2015 18:27

Instrument :

BNA_F

ClientSampleId :

SB15

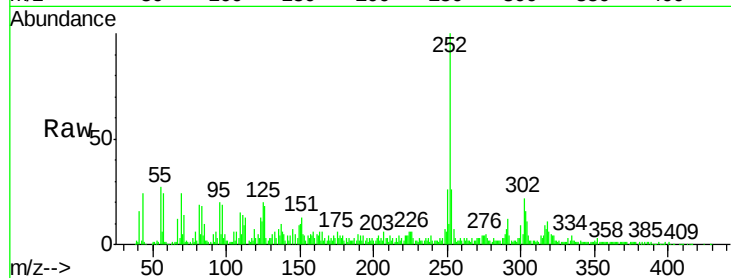
Tgt Ion:252 Resp: 139109

Ion Ratio Lower Upper

252 100

253 25.9 18.2 27.2

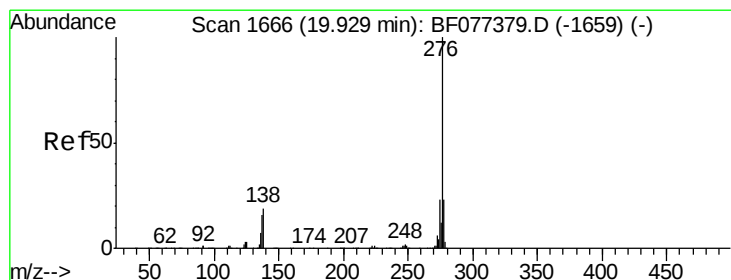
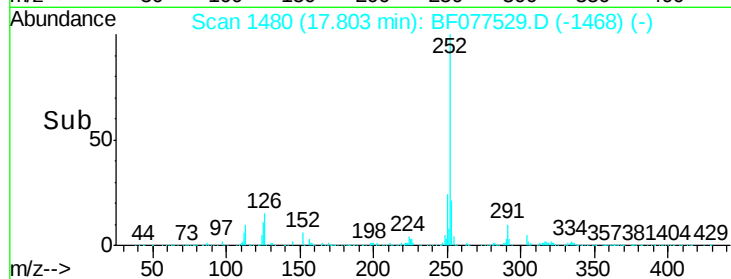
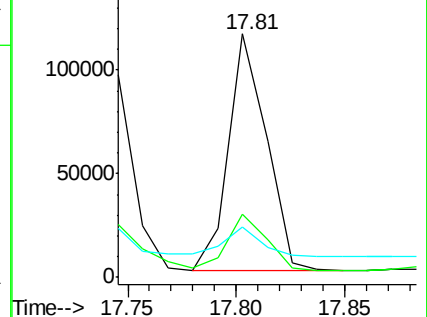
125 20.5 8.3 12.5#



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



#91

Benzo(g,h,i)perylene

Concen: 4.52 ng

RT: 19.76 min Scan# 1651

Delta R.T. 0.06 min

Lab File: BF077529.D

Acq: 2 Mar 2015 18:27

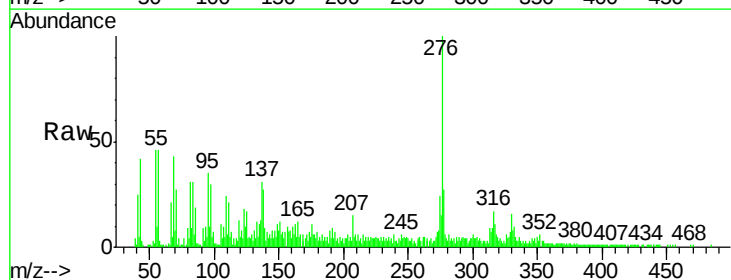
Tgt Ion:276 Resp: 92241

Ion Ratio Lower Upper

276 100

277 26.8 18.9 28.3

138 27.1 20.5 30.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

