

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
 Data File : BF077537.D
 Acq On : 2 Mar 2015 22:15
 Operator : TP/IZ
 Sample : G1399-13
 Misc : S
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB7

Quant Time: Mar 03 03:35:55 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

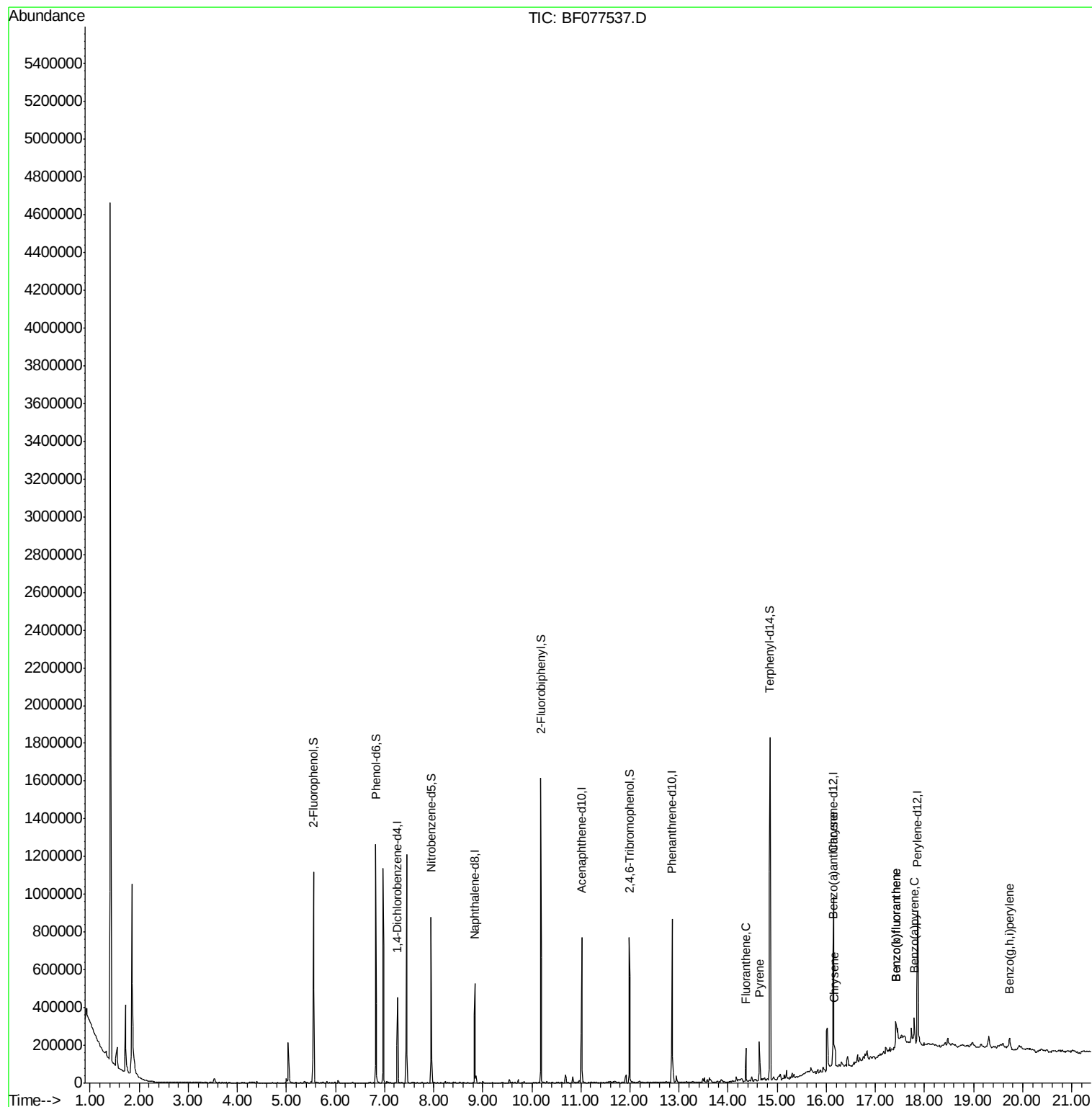
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.26	152	80662	20.00	ng	0.00
21) Naphthalene-d8	8.84	136	311484	20.00	ng	0.00
38) Acenaphthene-d10	11.01	164	163349	20.00	ng	0.00
63) Phenanthrene-d10	12.85	188	324564	20.00	ng	0.00
75) Chrysene-d12	16.14	240	366408	20.00	ng	0.00
86) Perylene-d12	17.86	264	320794	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	360657	74.64	ng	0.00
7) Phenol-d6	6.82	99	455352	73.30	ng	0.00
23) Nitrobenzene-d5	7.95	82	262334	52.37	ng	0.00
41) 2,4,6-Tribromophenol	11.99	330	119339	75.87	ng	0.00
44) 2-Fluorobiphenyl	10.18	172	572193	54.62	ng	0.00
78) Terphenyl-d14	14.85	244	752237	47.99	ng	0.00
Target Compounds						Qvalue
74) Fluoranthene	14.36	202	81759	3.98	ng	99
77) Pyrene	14.64	202	97830	4.36	ng	97
80) Benzo(a)anthracene	16.13	228	61766	2.88	ng	93
82) Chrysene	16.17	228	49304	2.45	ng	98
87) Benzo(b)fluoranthene	17.43	252	112799	6.05	ng	# 95
88) Benzo(k)fluoranthene	17.43	252	112799	6.17	ng	98
89) Benzo(a)pyrene	17.79	252	55810	3.14	ng	# 97
91) Benzo(g,h,i)perylene	19.74	276	39806	2.33	ng	99

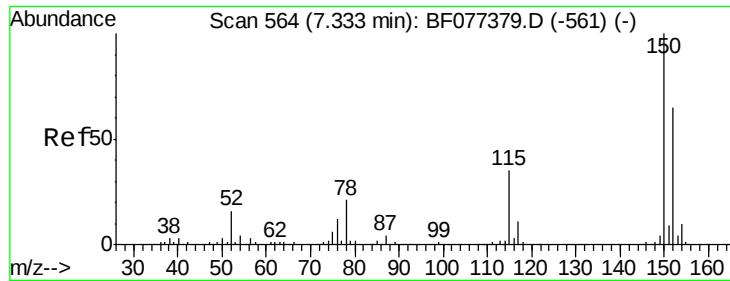
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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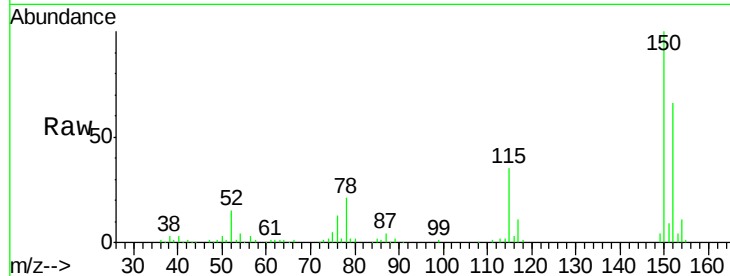


#1

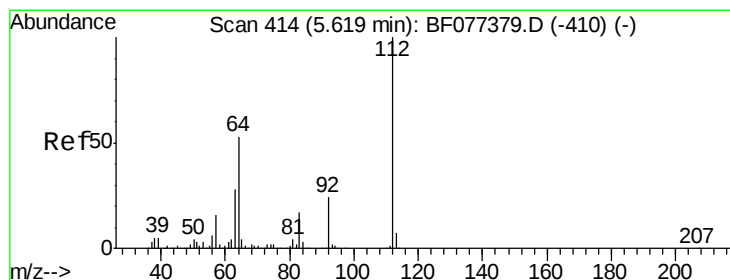
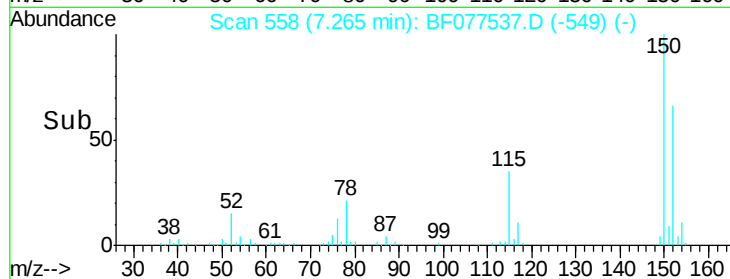
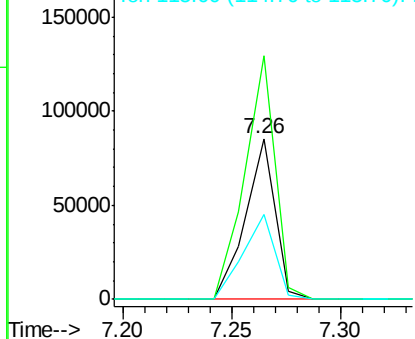
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.26 min Scan# 558
Delta R.T. 0.00 min
Lab File: BF077537.D
Acq: 2 Mar 2015 22:15

Instrument :
BNA_F
ClientSampleId :
SB7

Tgt Ion:152 Resp: 80662
Ion Ratio Lower Upper
152 100
150 151.5 124.0 186.0
115 53.1 49.4 74.2



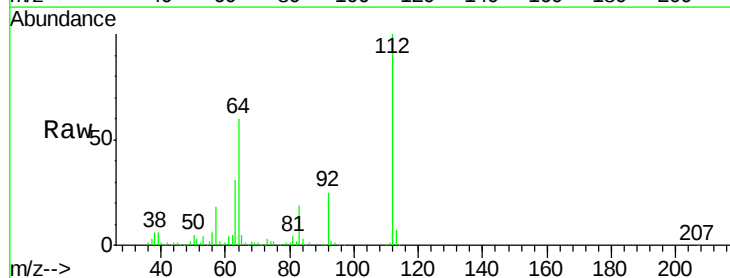
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



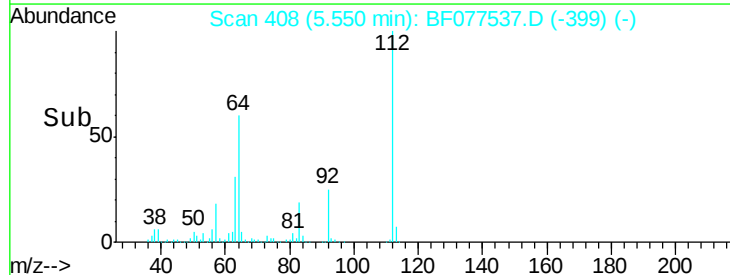
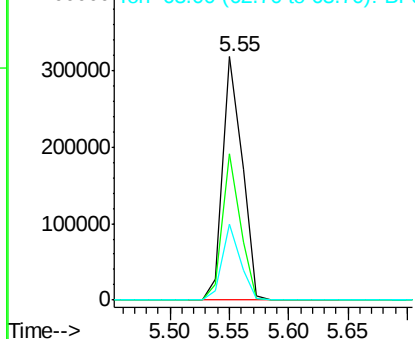
#5

2-Fluorophenol
Concen: 74.64 ng
RT: 5.55 min Scan# 408
Delta R.T. 0.01 min
Lab File: BF077537.D
Acq: 2 Mar 2015 22:15

Tgt Ion:112 Resp: 360657
Ion Ratio Lower Upper
112 100
64 59.9 48.5 72.7
63 31.4 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: 73.30 ng

RT: 6.82 min Scan# 519

Delta R.T. 0.01 min

Lab File: BF077537.D

Acq: 2 Mar 2015 22:15

Instrument :

BNA_F

ClientSampleId :

SB7

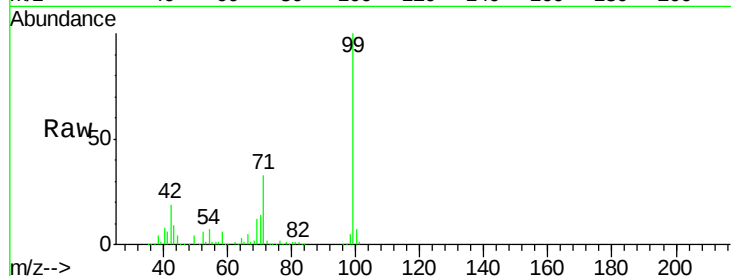
Tgt Ion: 99 Resp: 455352

Ion Ratio Lower Upper

99 100

42 19.1 16.2 24.4

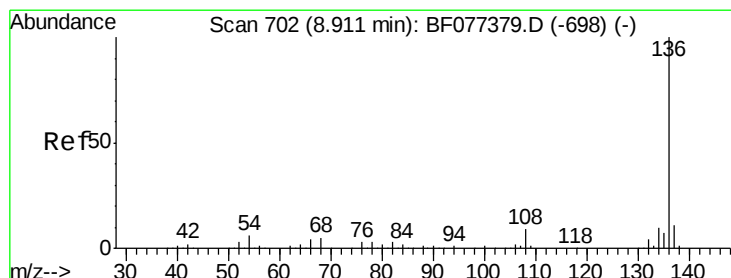
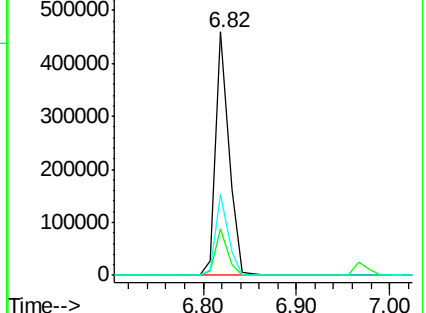
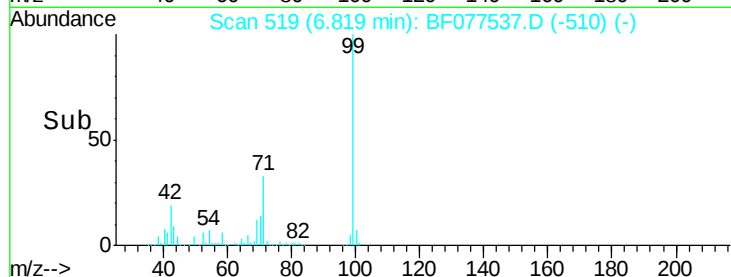
71 33.4 26.7 40.1



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: 8.84 min Scan# 696

Delta R.T. 0.00 min

Lab File: BF077537.D

Acq: 2 Mar 2015 22:15

Tgt Ion: 136 Resp: 311484

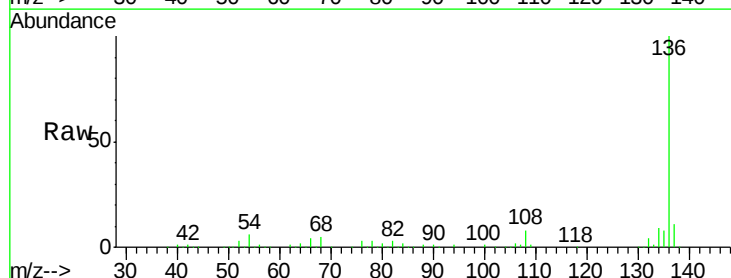
Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 5.6 6.2 9.4#

68 4.6 5.0 7.6#

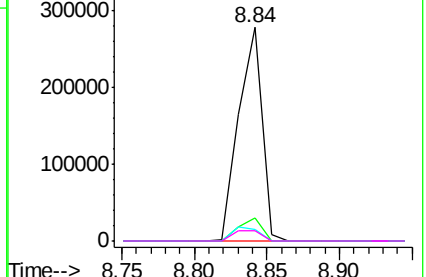
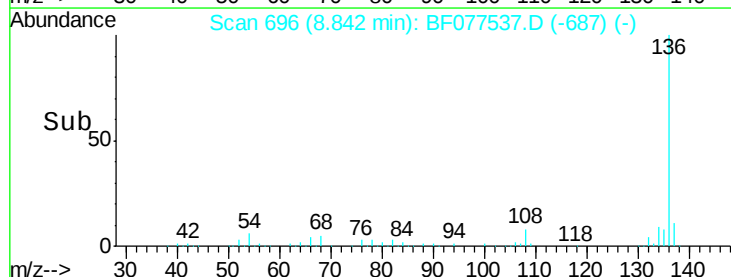


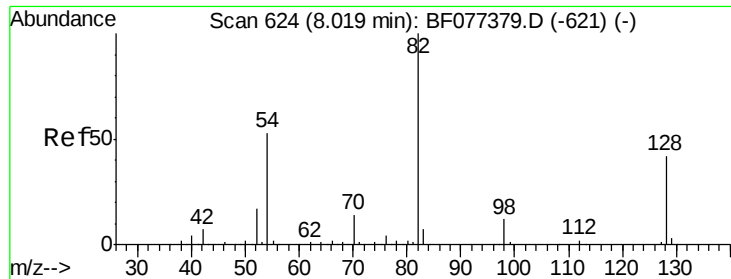
Abundance Ion 136.00 (135.70 to 136.70): E

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

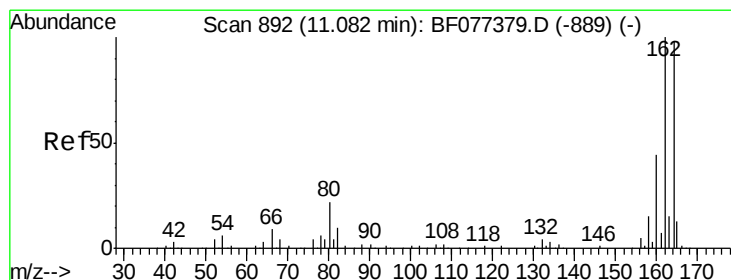
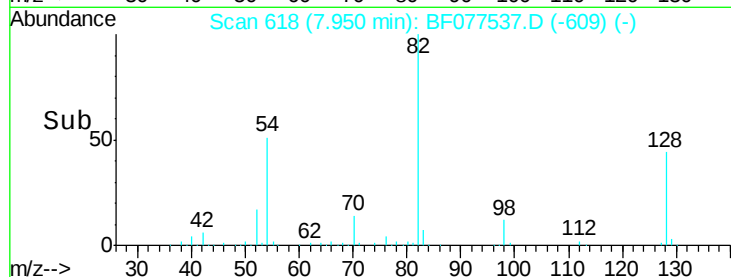
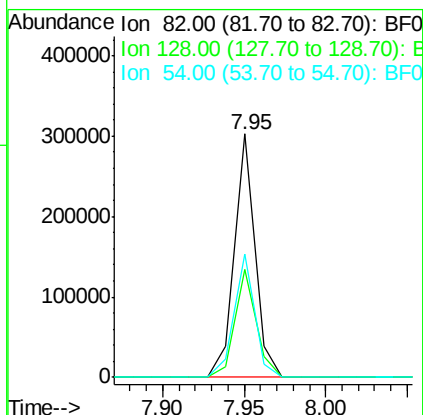
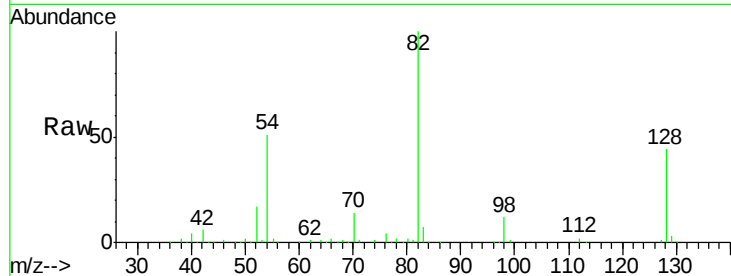




#23
 Nitrobenzene-d5
 Concen: 52.37 ng
 RT: 7.95 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: BF077537.D
 Acq: 2 Mar 2015 22:15

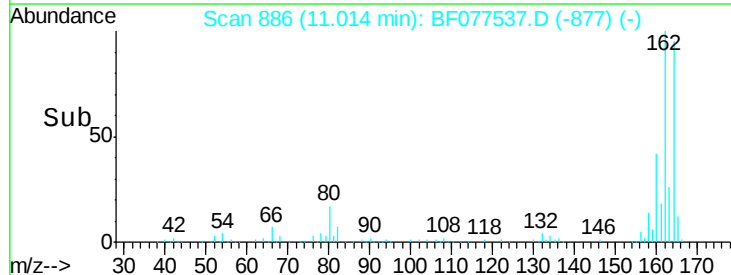
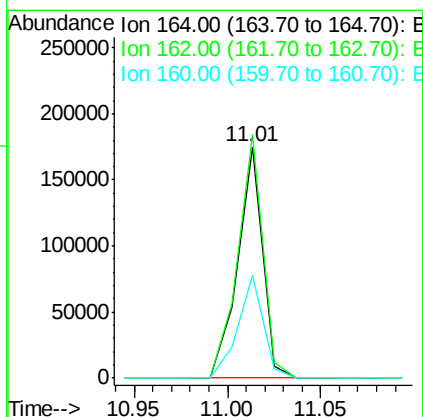
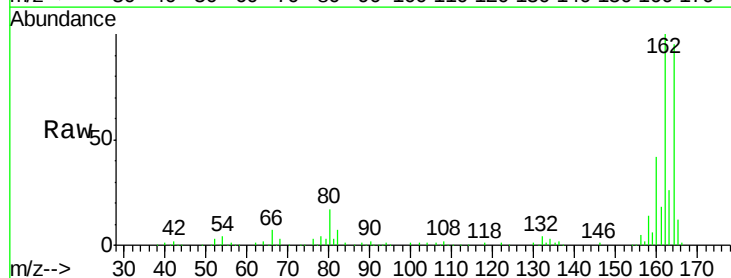
Instrument :
 BNA_F
 ClientSampled :
 SB7

Tgt Ion: 82 Resp: 262334
 Ion Ratio Lower Upper
 82 100
 128 44.4 43.8 65.8
 54 50.6 36.7 55.1



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.01 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: BF077537.D
 Acq: 2 Mar 2015 22:15

Tgt Ion:164 Resp: 163349
 Ion Ratio Lower Upper
 164 100
 162 105.3 83.2 124.8
 160 44.6 34.6 52.0

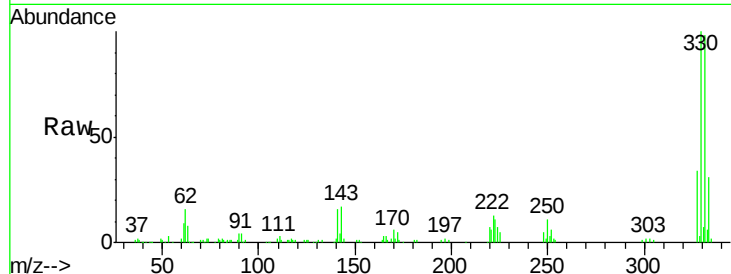




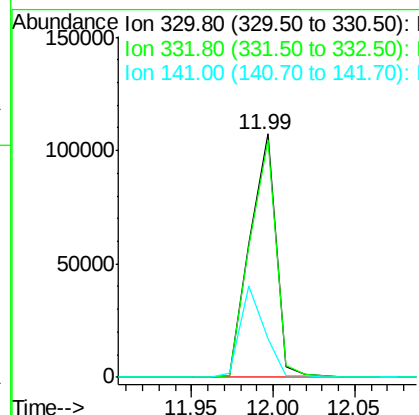
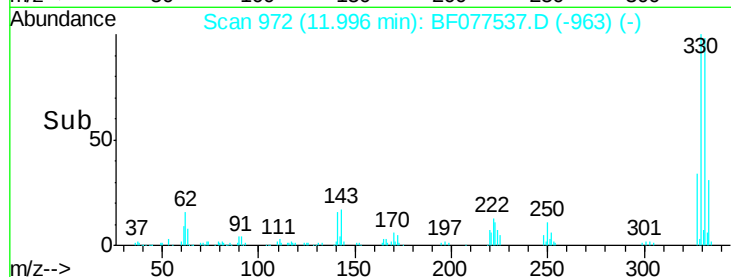
#41
 2,4,6-Tribromophenol
 Concen: 75.87 ng
 RT: 11.99 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: BF077537.D
 Acq: 2 Mar 2015 22:15

Instrument :
 BNA_F
 ClientSampleId :
 SB7

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.4	116.2
141	35.4	28.8	43.2

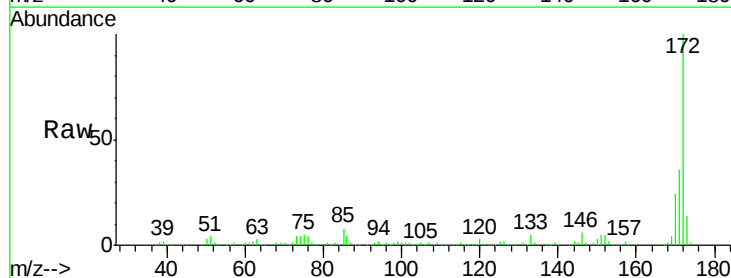


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

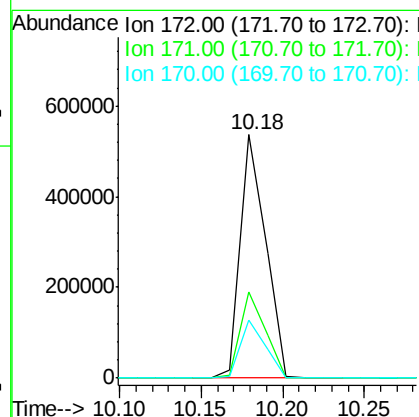
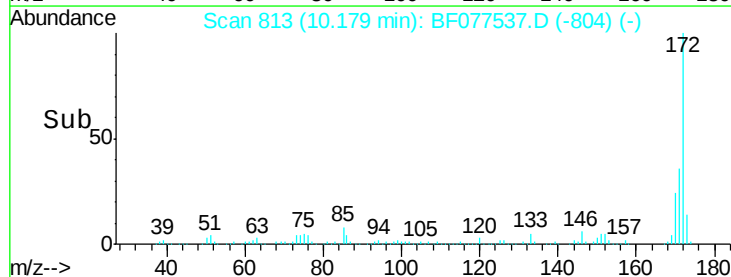


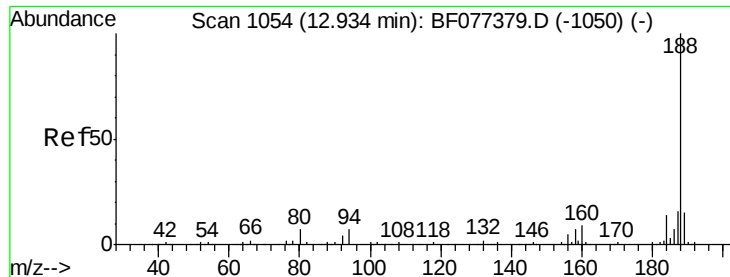
#44
 2-Fluorobiphenyl
 Concen: 54.62 ng
 RT: 10.18 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BF077537.D
 Acq: 2 Mar 2015 22:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.9	43.3
170	23.6	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

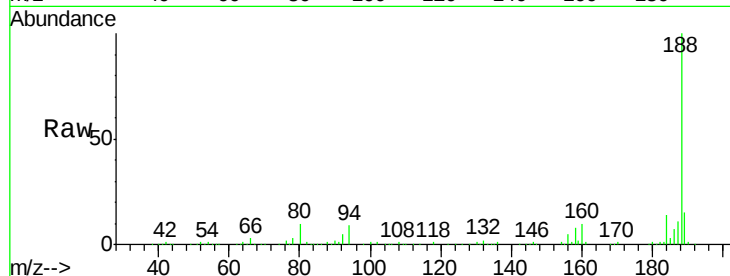




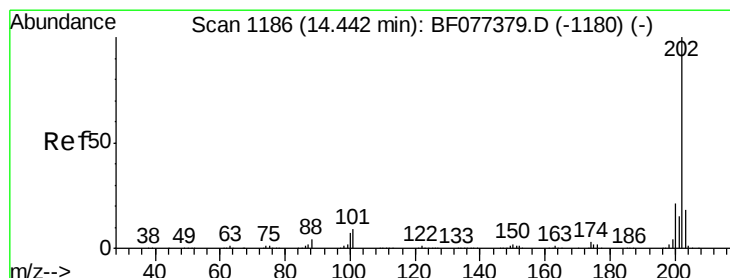
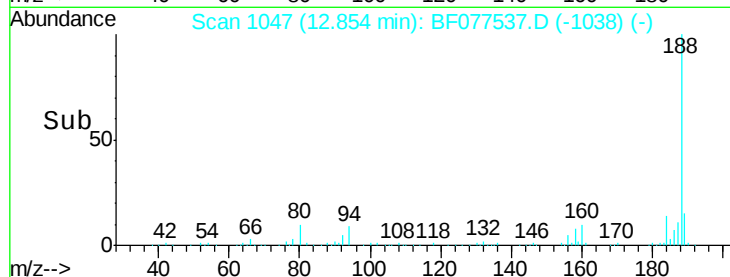
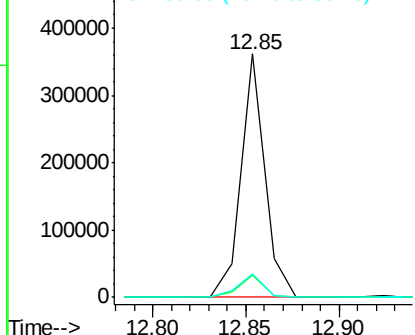
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.85 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: BF077537.D
 Acq: 2 Mar 2015 22:15

Instrument :
 BNA_F
 ClientSampleId :
 SB7

Tgt Ion:188 Resp: 324564
 Ion Ratio Lower Upper
 188 100
 94 9.1 7.4 11.2
 80 9.9 8.0 12.0

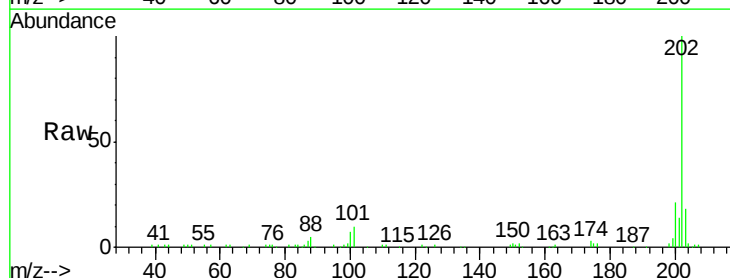


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

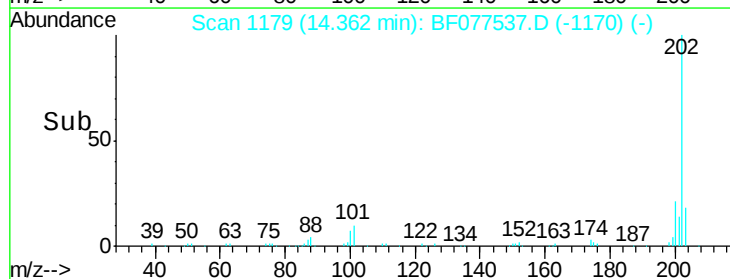
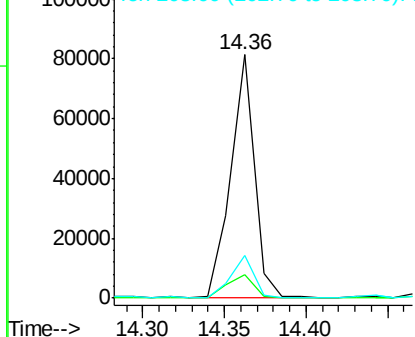


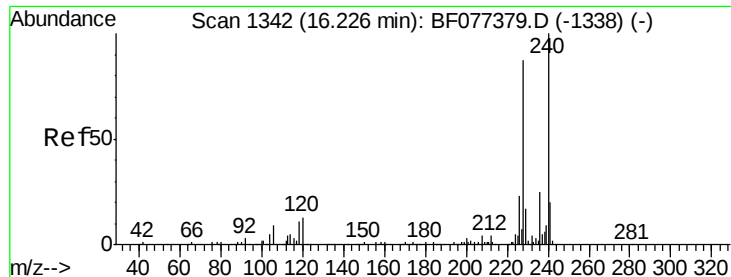
#74
 Fluoranthene
 Concen: 3.98 ng
 RT: 14.36 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: BF077537.D
 Acq: 2 Mar 2015 22:15

Tgt Ion:202 Resp: 81759
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 30.8
 203 17.7 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

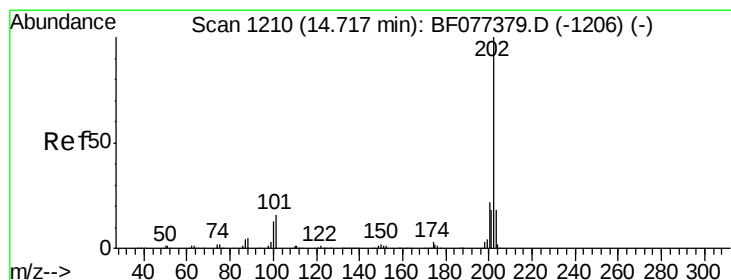
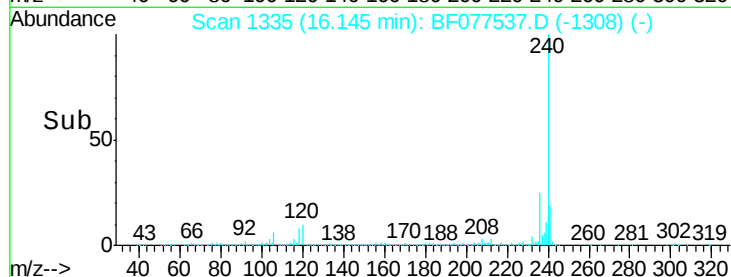
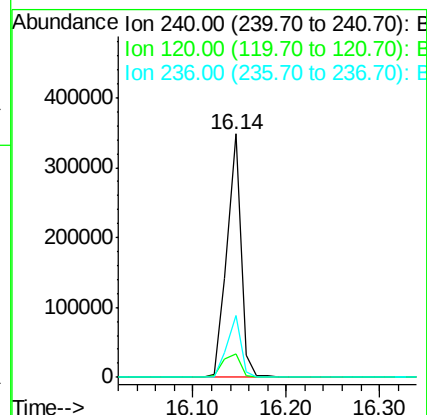
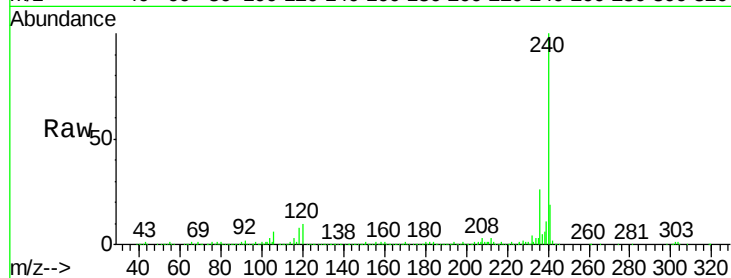




#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.14 min Scan# 1335
Delta R.T. 0.01 min
Lab File: BF077537.D
Acq: 2 Mar 2015 22:15

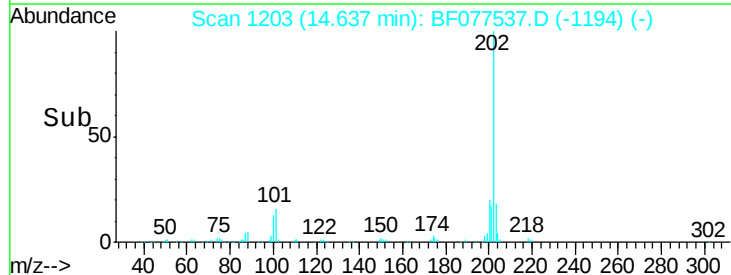
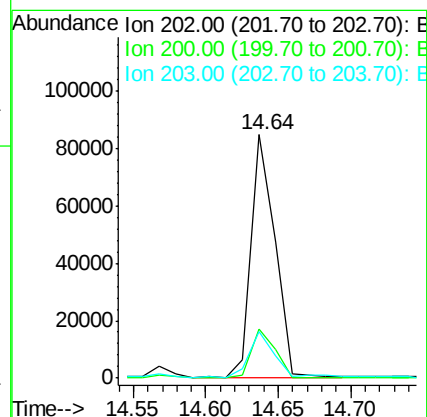
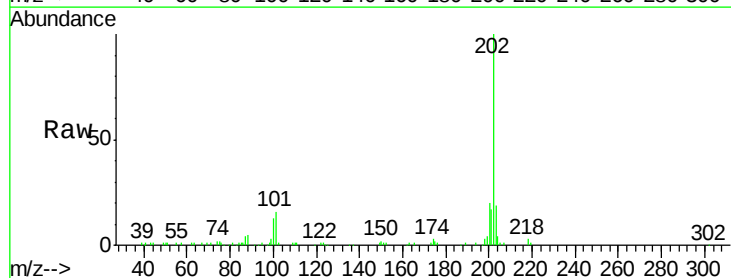
Instrument :
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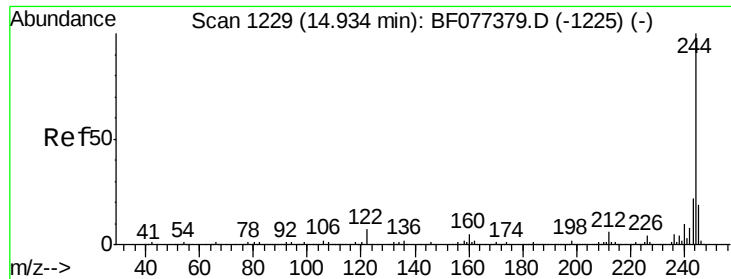
Tgt Ion:240 Resp: 366408
Ion Ratio Lower Upper
240 100
120 9.6 8.8 13.2
236 25.5 20.7 31.1



#77
Pyrene
Concen: 4.36 ng
RT: 14.64 min Scan# 1203
Delta R.T. 0.01 min
Lab File: BF077537.D
Acq: 2 Mar 2015 22:15

Tgt Ion:202 Resp: 97830
Ion Ratio Lower Upper
202 100
200 20.3 17.1 25.7
203 19.1 14.2 21.2

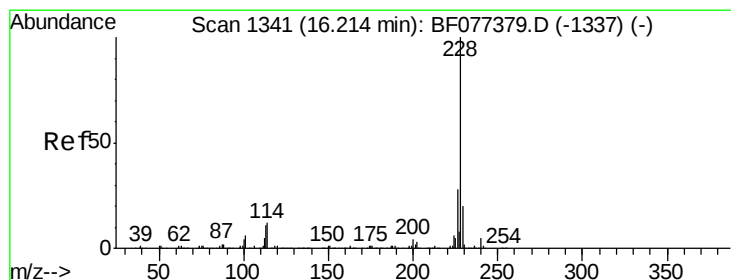
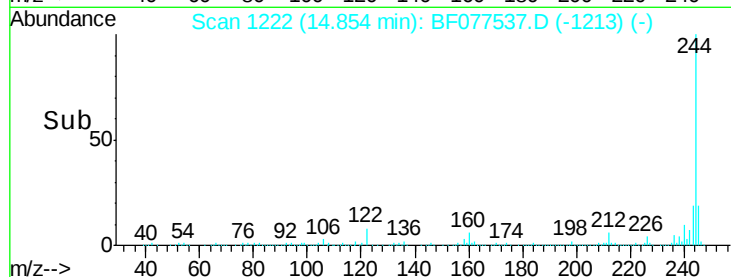
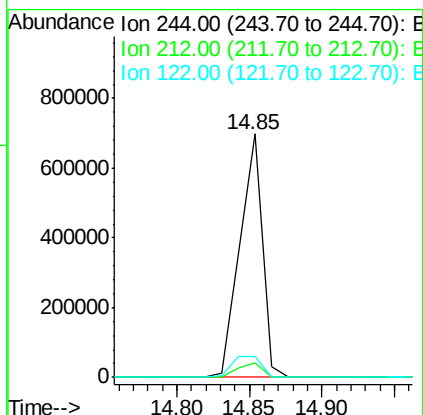
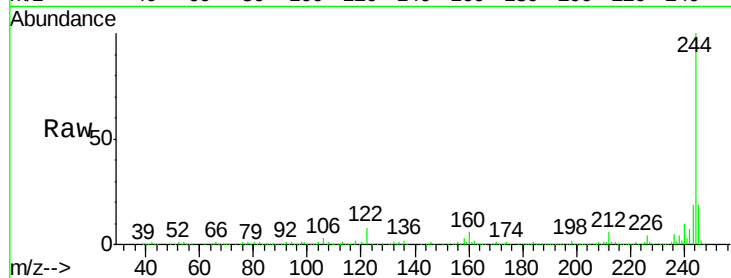




#78
 Terphenyl-d14
 Concen: 47.99 ng
 RT: 14.85 min Scan# 1222
 Delta R.T. 0.00 min
 Lab File: BF077537.D
 Acq: 2 Mar 2015 22:15

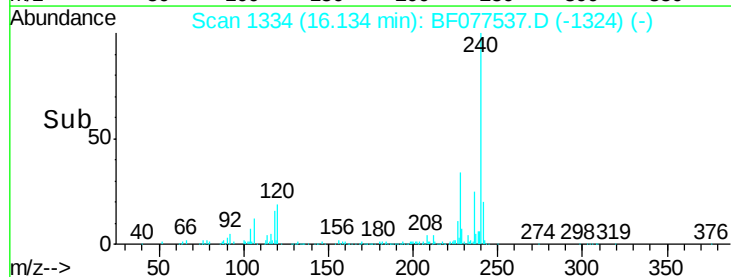
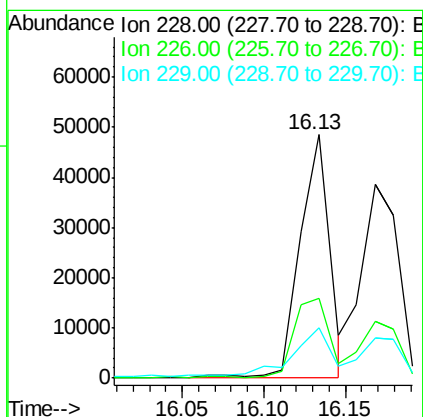
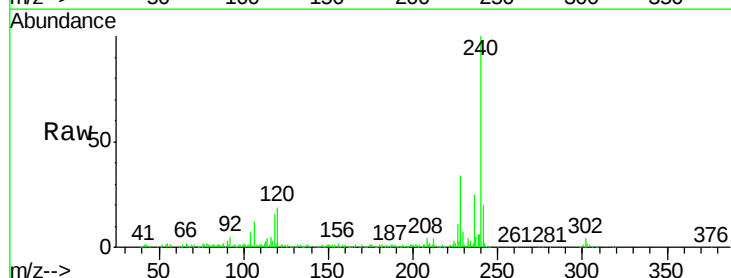
Instrument :
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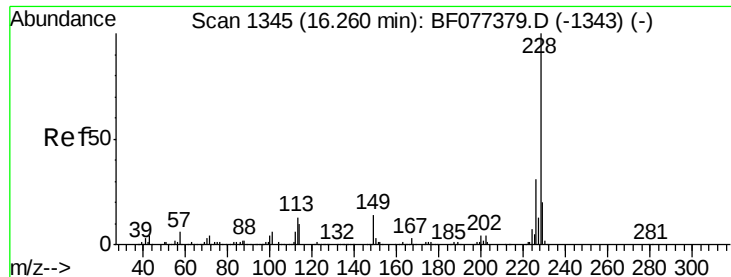
Tgt Ion:244 Resp: 752237
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.2 7.8
 122 8.3 7.8 11.8



#80
 Benzo(a)anthracene
 Concen: 2.88 ng
 RT: 16.13 min Scan# 1334
 Delta R.T. 0.01 min
 Lab File: BF077537.D
 Acq: 2 Mar 2015 22:15

Tgt Ion:228 Resp: 61766
 Ion Ratio Lower Upper
 228 100
 226 32.9 22.0 33.0
 229 20.8 15.8 23.8





#82

Chrysene

Concen: 2.45 ng

RT: 16.17 min Scan# 1337

Delta R.T. 0.00 min

Lab File: BF077537.D

Acq: 2 Mar 2015 22:15

Instrument :

BNA_F

ClientSampleId :

SB7

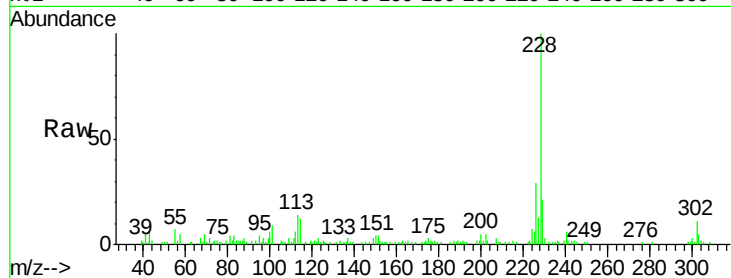
Tgt Ion:228 Resp: 49304

Ion Ratio Lower Upper

228 100

226 29.5 24.9 37.3

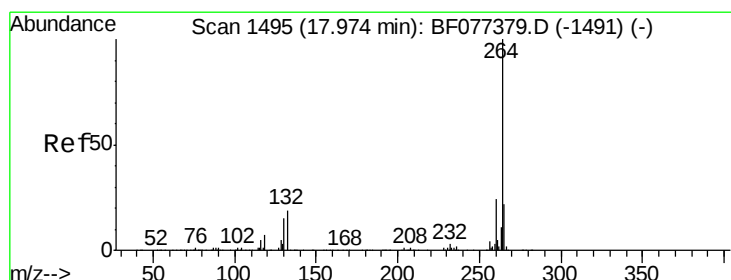
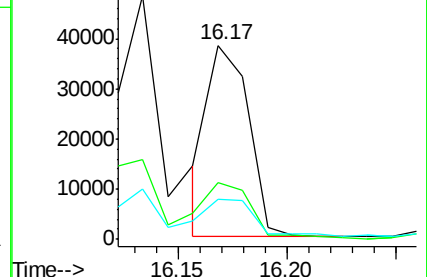
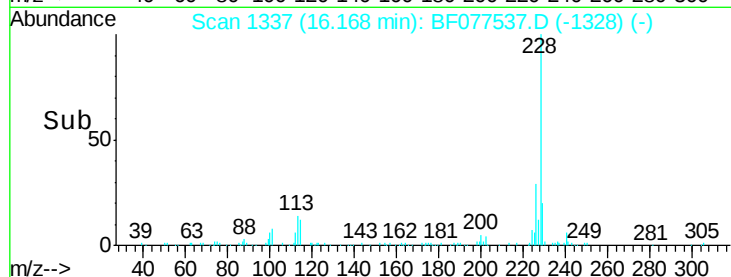
229 21.0 16.4 24.6



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

Perylene-d12

Concen: 20.00 ng

RT: 17.86 min Scan# 1485

Delta R.T. 0.03 min

Lab File: BF077537.D

Acq: 2 Mar 2015 22:15

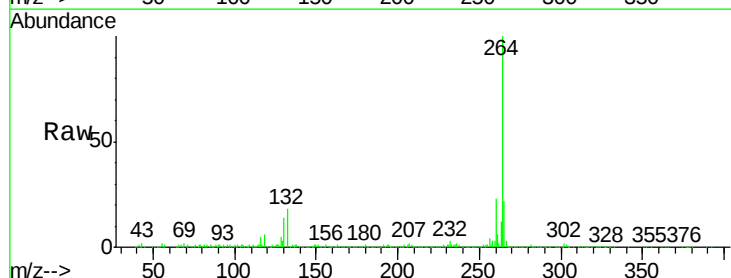
Tgt Ion:264 Resp: 320794

Ion Ratio Lower Upper

264 100

260 23.0 19.3 28.9

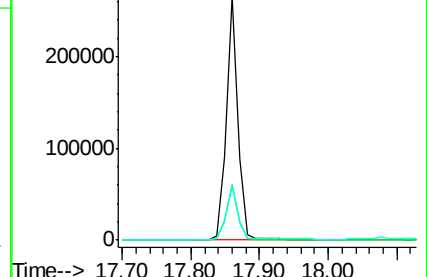
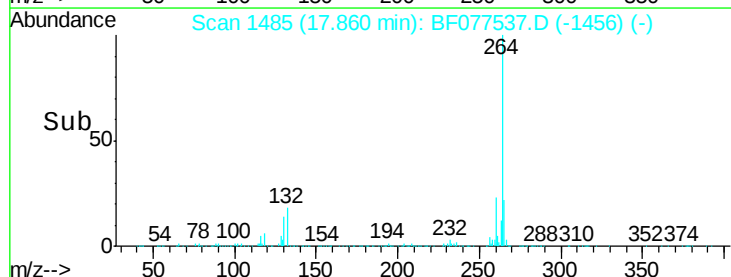
265 22.4 16.8 25.2

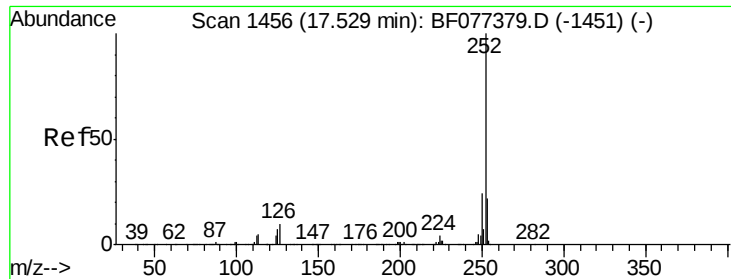


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

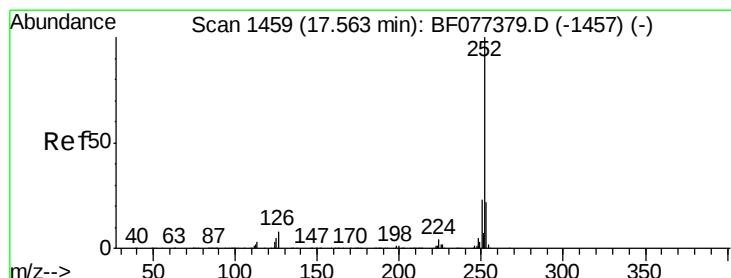
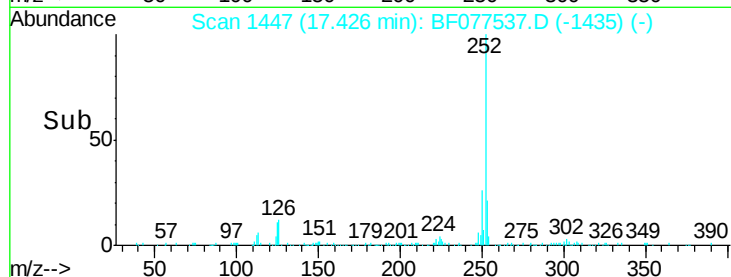
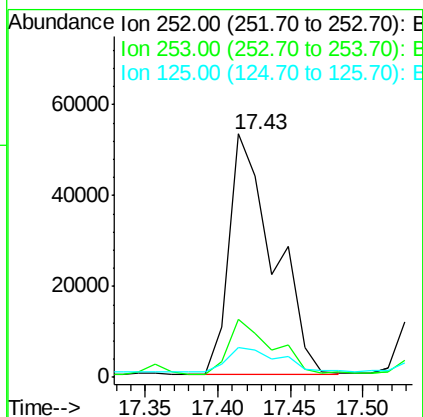
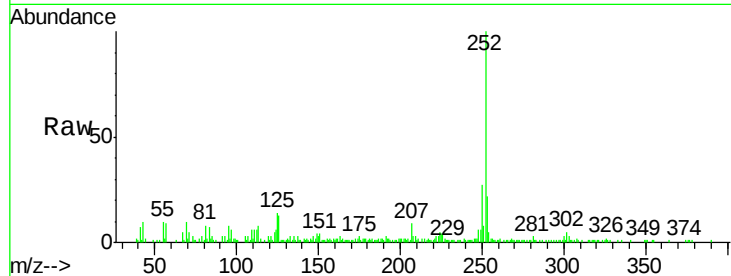




#87
Benzo(b)fluoranthene
Concen: 6.05 ng
RT: 17.43 min Scan# 1447
Delta R.T. 0.04 min
Lab File: BF077537.D
Acq: 2 Mar 2015 22:15

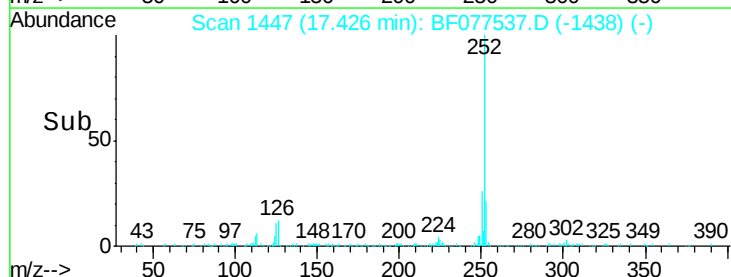
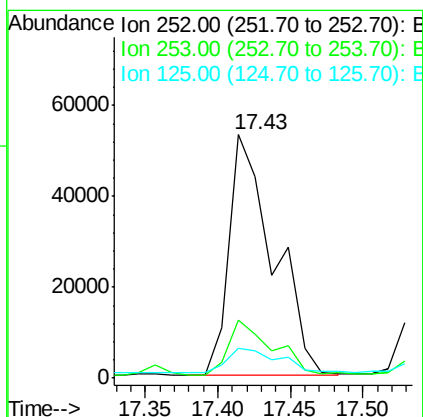
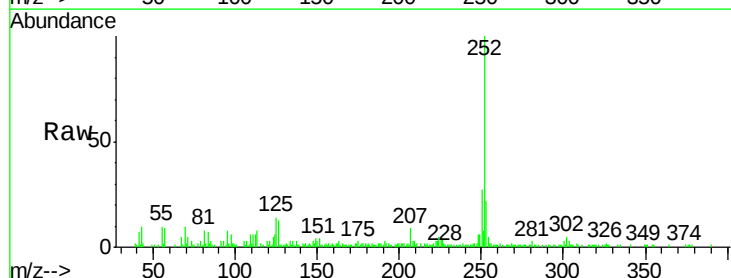
Instrument :
BNA_F
ClientSampleId :
SB7

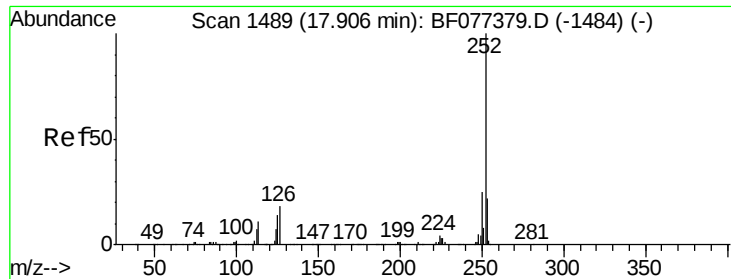
Tgt Ion:252 Resp: 112799
Ion Ratio Lower Upper
252 100
253 21.9 17.6 26.4
125 13.8 5.4 8.2#



#88
Benzo(k)fluoranthene
Concen: 6.17 ng
RT: 17.43 min Scan# 1447
Delta R.T. 0.00 min
Lab File: BF077537.D
Acq: 2 Mar 2015 22:15

Tgt Ion:252 Resp: 112799
Ion Ratio Lower Upper
252 100
253 21.9 18.1 27.1
125 13.8 10.1 15.1





#89

Benzo(a)pyrene

Concen: 3.14 ng

RT: 17.79 min Scan# 1479

Delta R.T. 0.03 min

Lab File: BF077537.D

Acq: 2 Mar 2015 22:15

Instrument :

BNA_F

ClientSampleId :

SB7

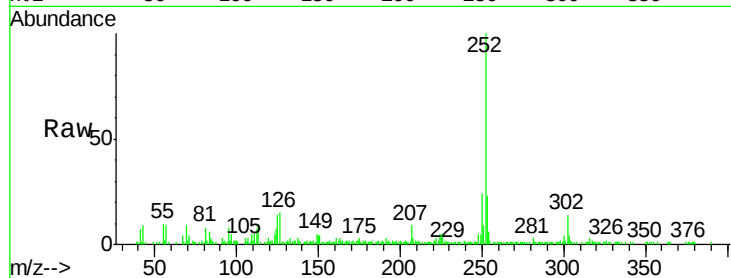
Tgt Ion:252 Resp: 55810

Ion Ratio Lower Upper

252 100

253 23.1 18.2 27.2

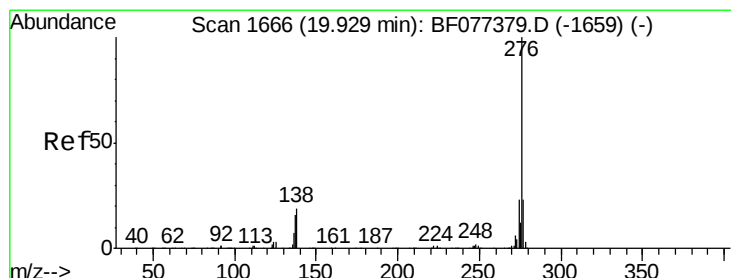
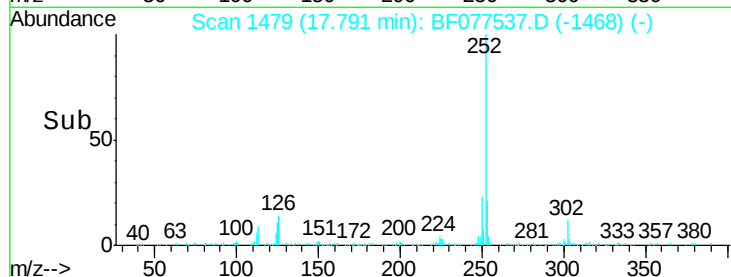
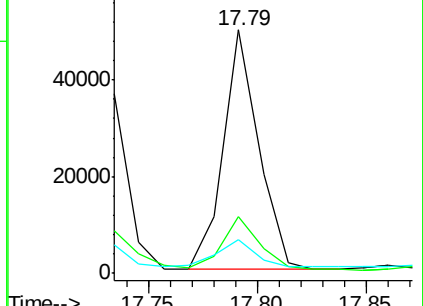
125 13.9 8.3 12.5#



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: 2.33 ng

RT: 19.74 min Scan# 1649

Delta R.T. 0.03 min

Lab File: BF077537.D

Acq: 2 Mar 2015 22:15

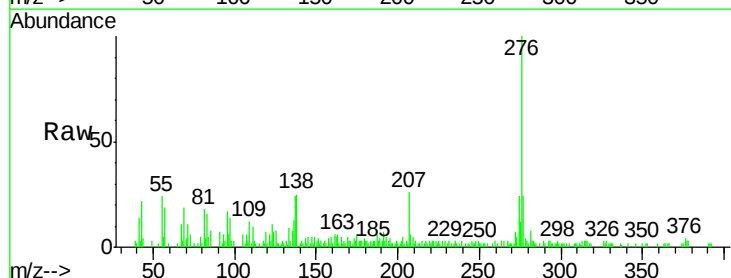
Tgt Ion:276 Resp: 39806

Ion Ratio Lower Upper

276 100

277 23.8 18.9 28.3

138 25.0 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

