

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
 Data File : BF077526.D
 Acq On : 2 Mar 2015 17:02
 Operator : TP/IZ
 Sample : G1399-03 2X
 Misc : S
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB11

Quant Time: Mar 03 00:02:29 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	108104	20.00	ng	0.00
21) Naphthalene-d8	8.84	136	421386	20.00	ng	0.00
38) Acenaphthene-d10	11.01	164	221544	20.00	ng	0.00
63) Phenanthrene-d10	12.85	188	427854	20.00	ng	0.00
75) Chrysene-d12	16.15	240	458281	20.00	ng	0.01
86) Perylene-d12	17.94	264	465462	20.00	ng	0.11

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	215121	33.22	ng	0.00
7) Phenol-d6	6.82	99	271451	32.60	ng	0.00
23) Nitrobenzene-d5	7.95	82	161346	23.81	ng	0.00
41) 2,4,6-Tribromophenol	11.99	330	67612	31.70	ng	0.00
44) 2-Fluorobiphenyl	10.18	172	351347	24.73	ng	0.00
78) Terphenyl-d14	14.85	244	406003	20.71	ng	0.00

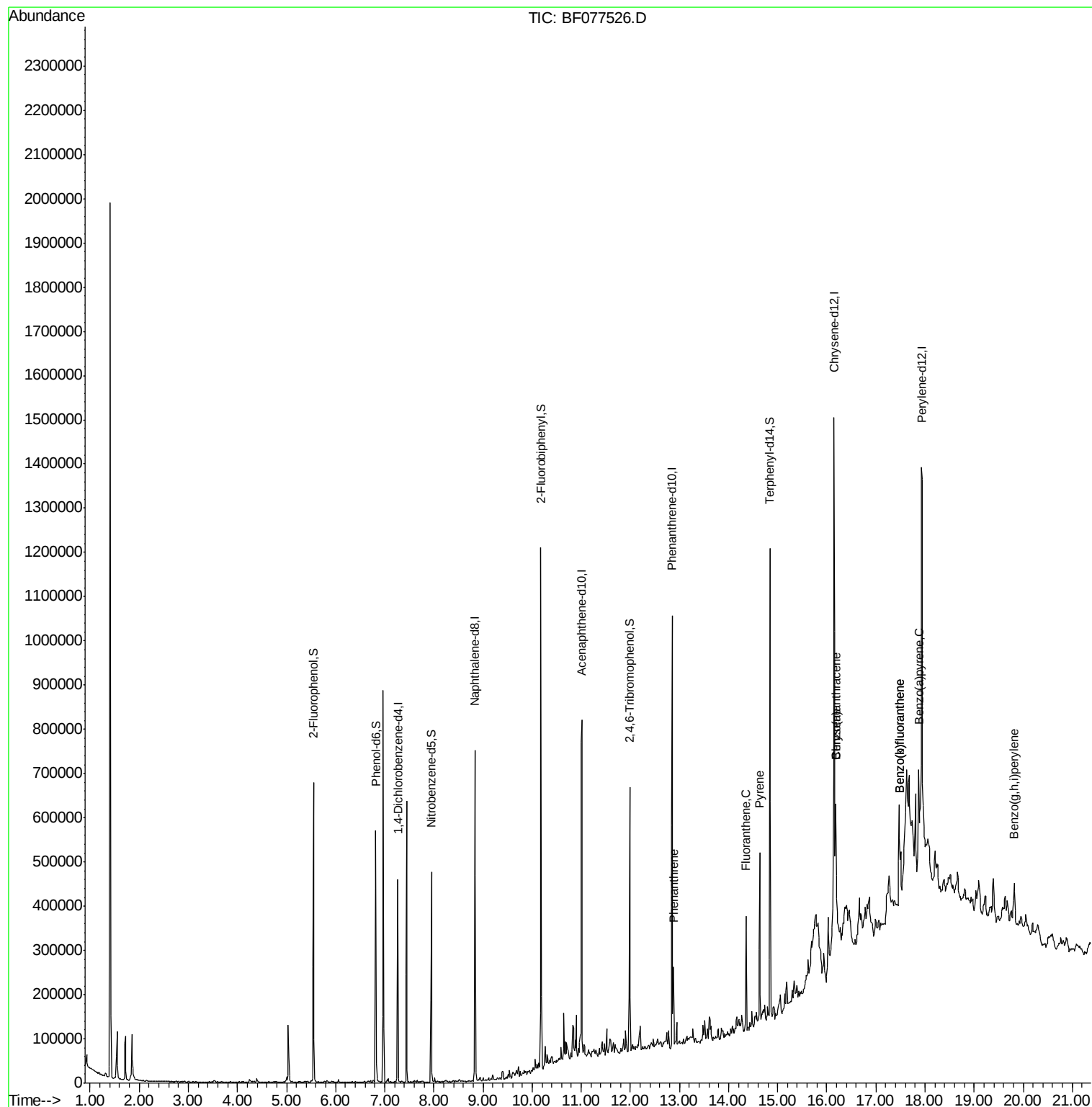
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
70) Phenanthrene	12.88	178	68346	2.76	ng	99
74) Fluoranthene	14.36	202	153323	5.66	ng	96
77) Pyrene	14.64	202	172498	6.15	ng	99
80) Benzo(a)anthracene	16.18	228	59857	2.23	ng	92
82) Chrysene	16.18	228	91300	3.62	ng	97
87) Benzo(b)fluoranthene	17.48	252	199025	7.35	ng	# 94
88) Benzo(k)fluoranthene	17.48	252	194042	7.32	ng	# 96
89) Benzo(a)pyrene	17.87	252	112417	4.36	ng	# 95
91) Benzo(g,h,i)perylene	19.82	276	72810	2.93	ng	96

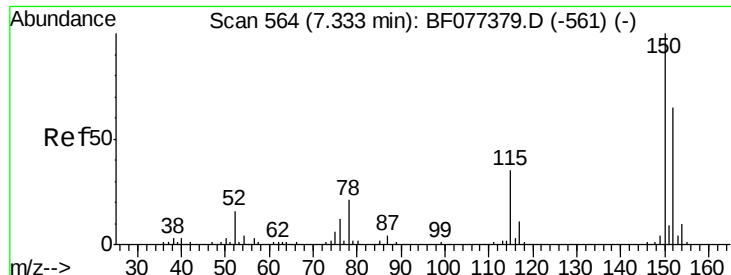
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : S
ALS Vial : 7 Sample Multiplier: 1

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QLast Update : Mon Mar 02 23:46:07 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.26 min Scan# 558

Delta R.T. 0.00 min

Lab File: BF077526.D

Acq: 2 Mar 2015 17:02

Instrument :

BNA_F

ClientSampleId :

SB11

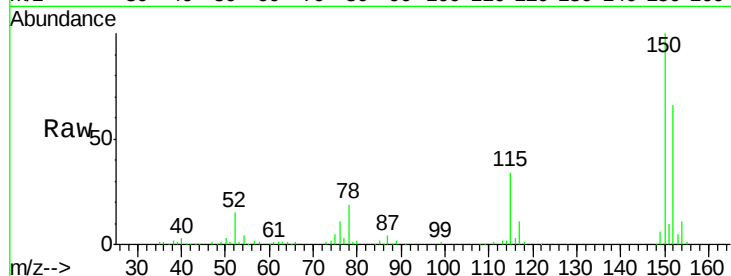
Tgt Ion:152 Resp: 108104

Ion Ratio Lower Upper

152 100

150 150.6 124.0 186.0

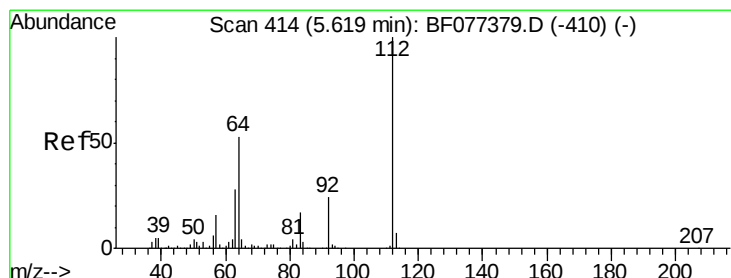
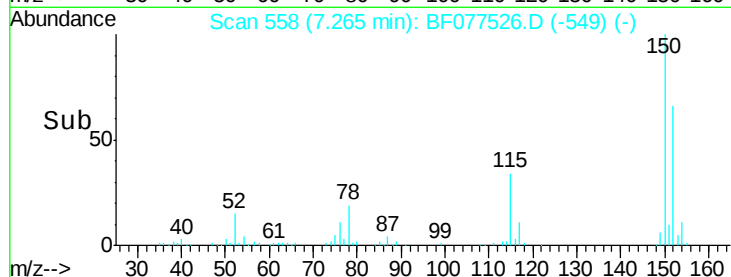
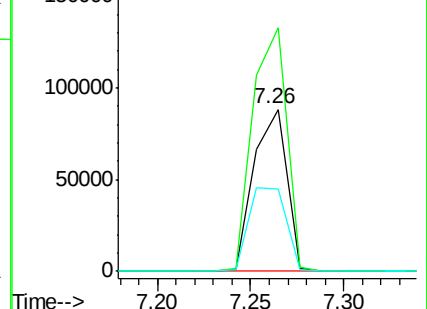
115 50.9 49.4 74.2



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: 33.22 ng

RT: 5.55 min Scan# 408

Delta R.T. 0.00 min

Lab File: BF077526.D

Acq: 2 Mar 2015 17:02

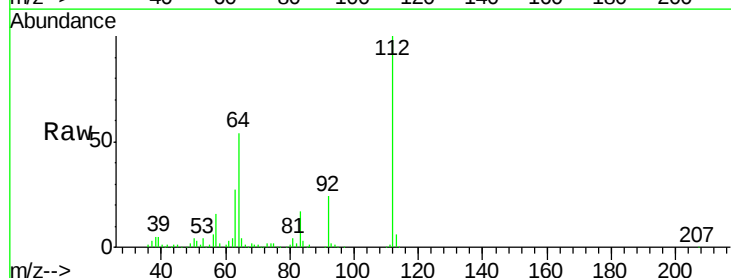
Tgt Ion:112 Resp: 215121

Ion Ratio Lower Upper

112 100

64 53.8 48.5 72.7

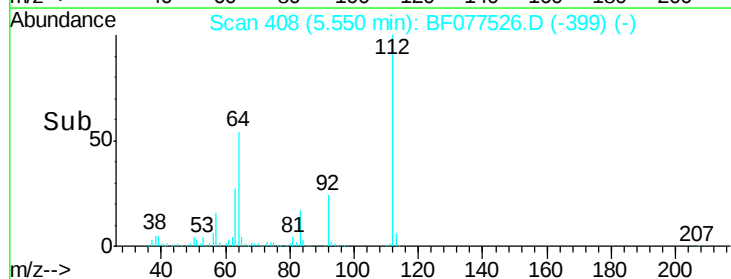
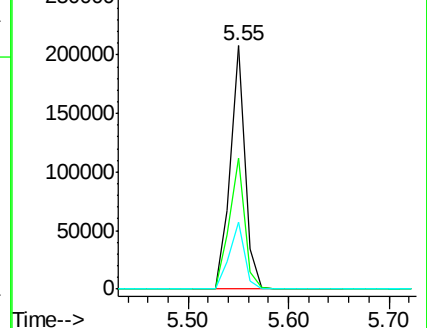
63 27.5 25.0 37.4



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: 32.60 ng

RT: 6.82 min Scan# 519

Delta R.T. -0.00 min

Lab File: BF077526.D

Acq: 2 Mar 2015 17:02

Instrument :

BNA_F

ClientSampleId :

SB11

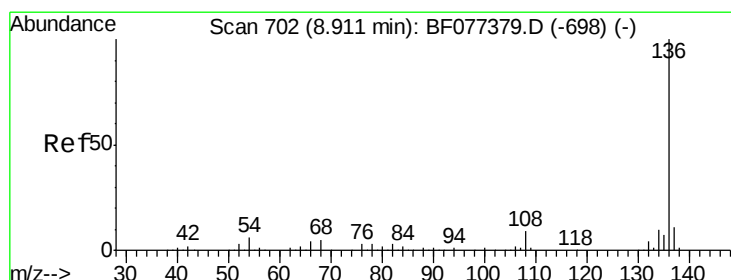
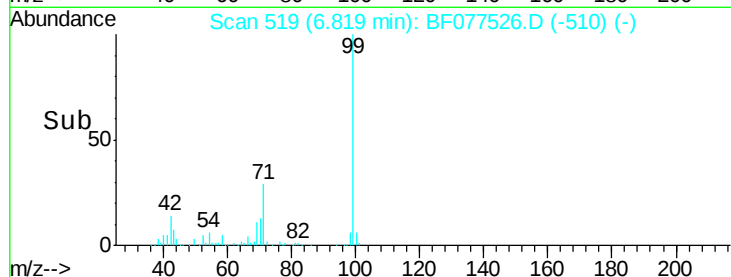
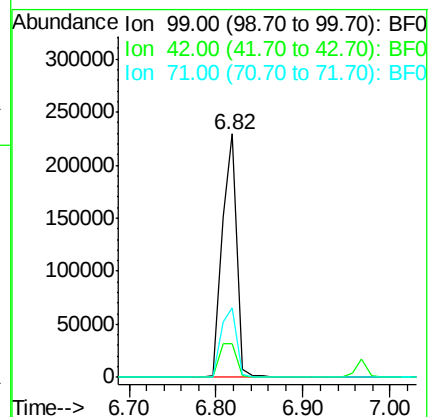
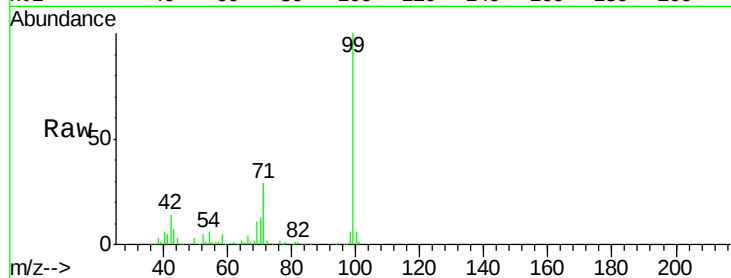
Tgt Ion: 99 Resp: 271451

Ion Ratio Lower Upper

99 100

42 13.9 16.2 24.4#

71 28.6 26.7 40.1



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.84 min Scan# 695

Delta R.T. -0.00 min

Lab File: BF077526.D

Acq: 2 Mar 2015 17:02

Tgt Ion: 136 Resp: 421386

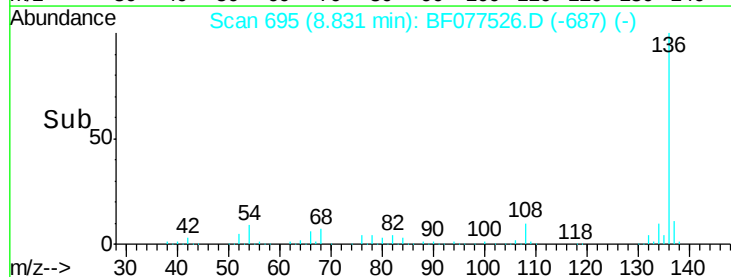
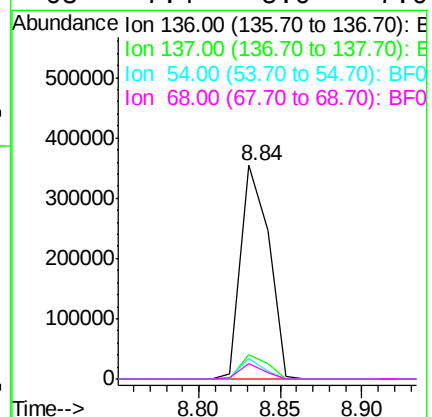
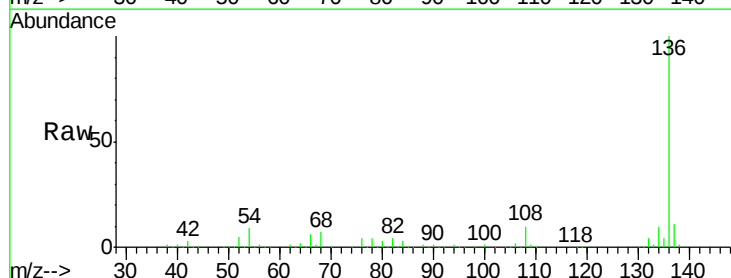
Ion Ratio Lower Upper

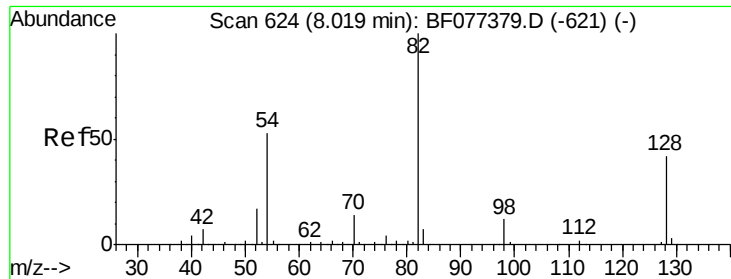
136 100

137 11.5 8.6 13.0

54 9.5 6.2 9.4#

68 7.4 5.0 7.6

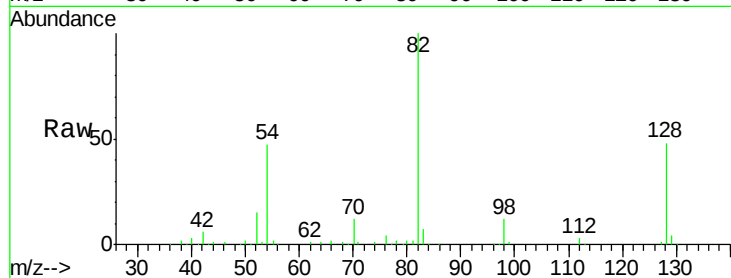




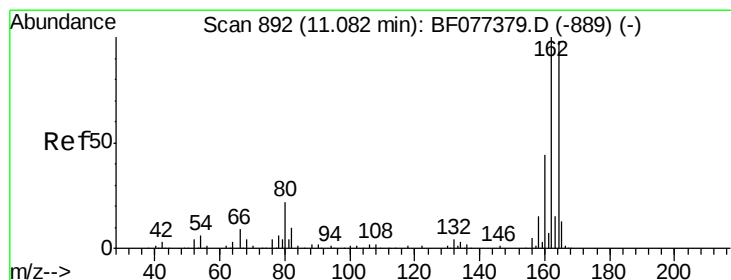
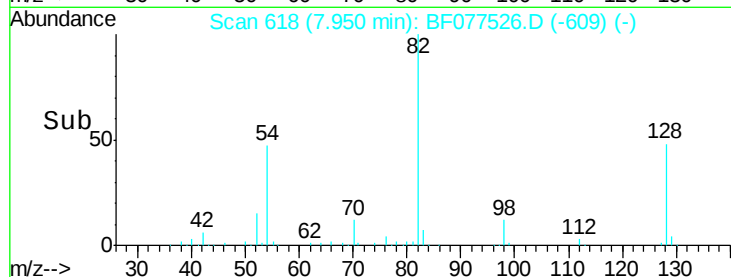
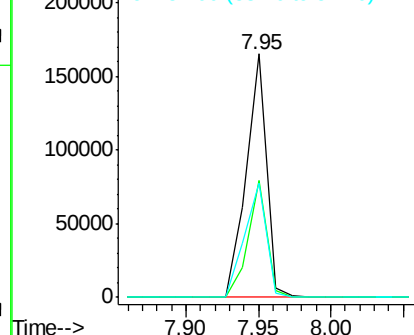
#23
 Nitrobenzene-d5
 Concen: 23.81 ng
 RT: 7.95 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: BF077526.D
 Acq: 2 Mar 2015 17:02

Instrument :
 BNA_F
 ClientSampleId :
 SB11

Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.1	43.8	65.8
54	46.9	36.7	55.1

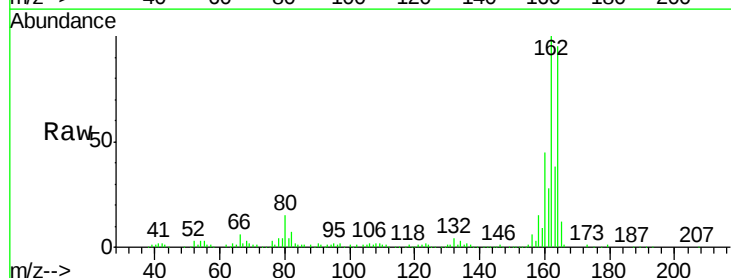


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

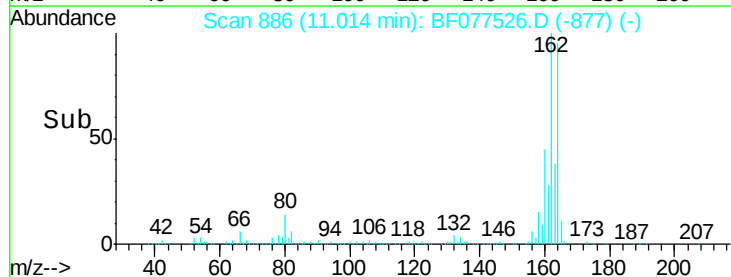
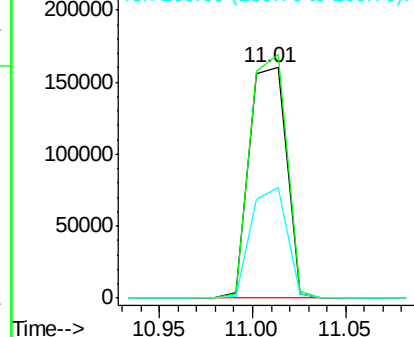


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.01 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: BF077526.D
 Acq: 2 Mar 2015 17:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.8	83.2	124.8
160	47.8	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

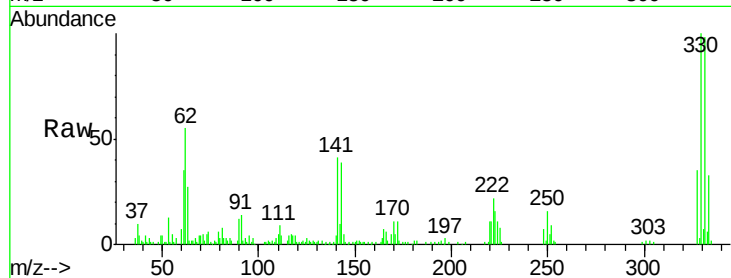




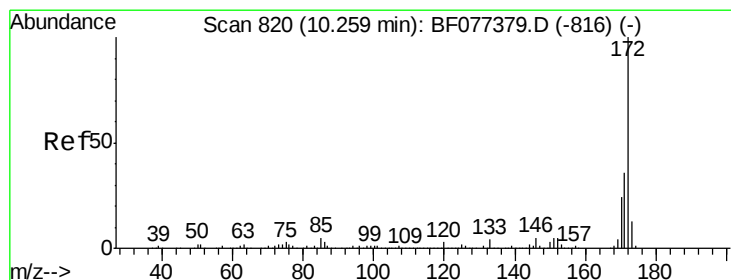
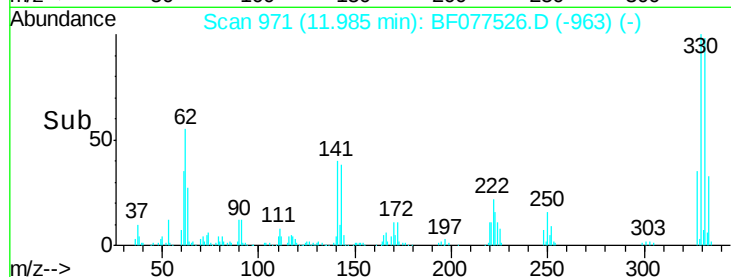
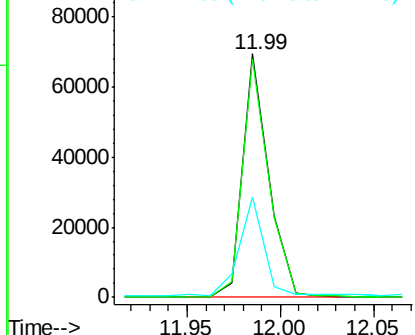
#41
 2,4,6-Tribromophenol
 Concen: 31.70 ng
 RT: 11.99 min Scan# 971
 Delta R.T. -0.00 min
 Lab File: BF077526.D
 Acq: 2 Mar 2015 17:02

Instrument :
 BNA_F
 ClientSampleId :
 SB11

Tgt Ion:330 Resp: 67612
 Ion Ratio Lower Upper
 330 100
 332 98.5 77.4 116.2
 141 38.7 28.8 43.2

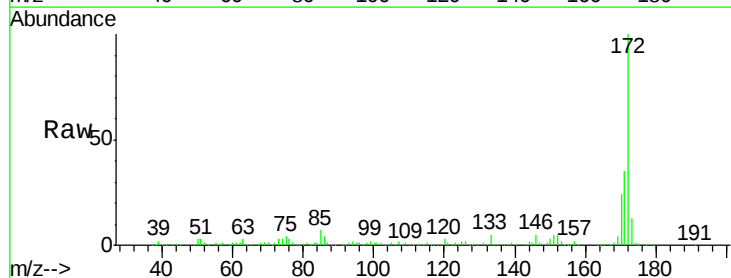


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

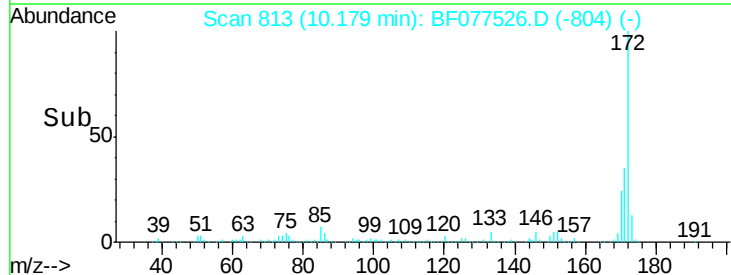
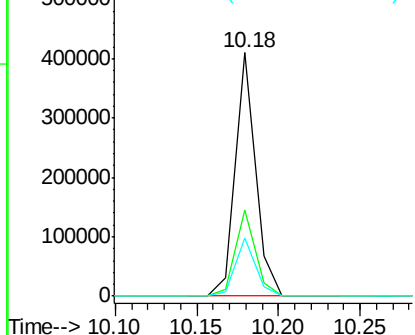


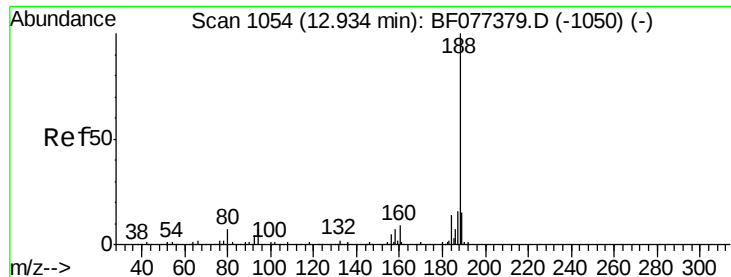
#44
 2-Fluorobiphenyl
 Concen: 24.73 ng
 RT: 10.18 min Scan# 813
 Delta R.T. -0.00 min
 Lab File: BF077526.D
 Acq: 2 Mar 2015 17:02

Tgt Ion:172 Resp: 351347
 Ion Ratio Lower Upper
 172 100
 171 35.2 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

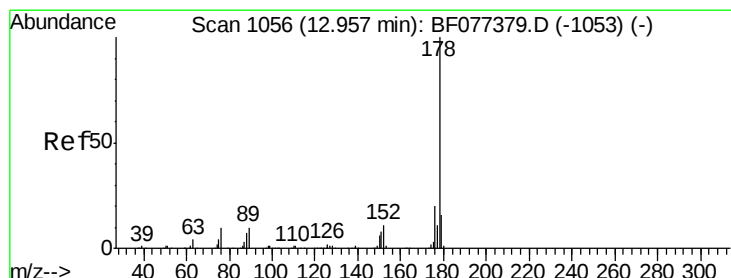
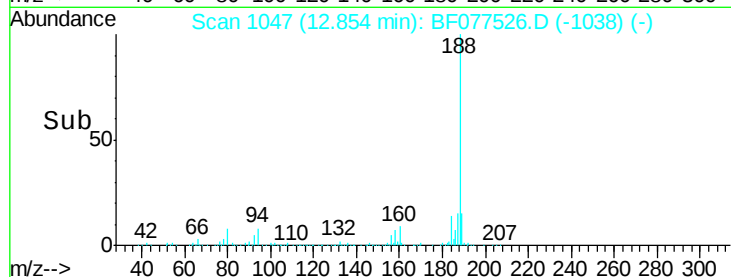
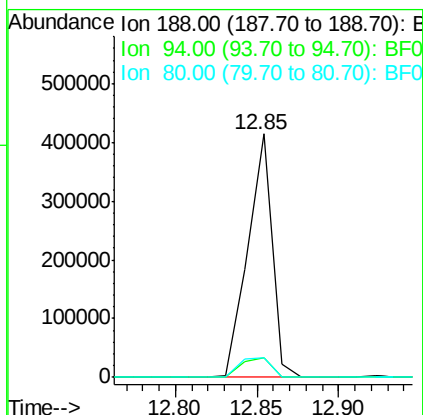
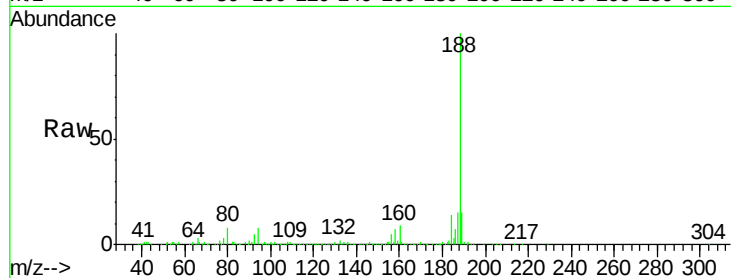




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.85 min Scan# 1047
Delta R.T. 0.00 min
Lab File: BF077526.D
Acq: 2 Mar 2015 17:02

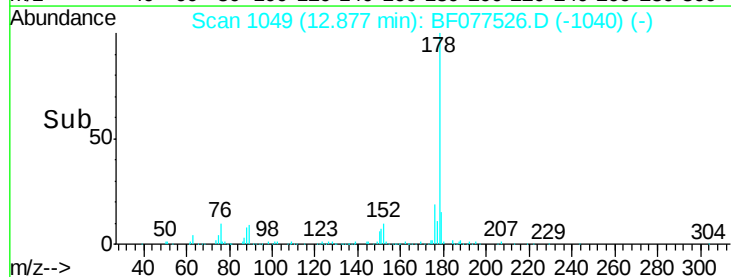
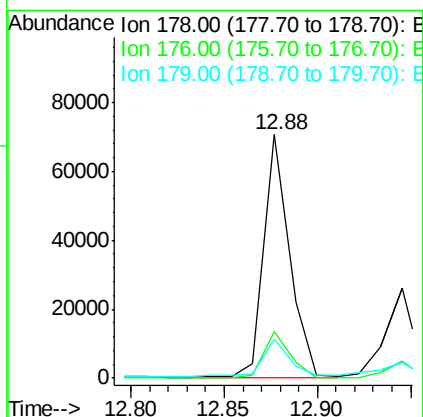
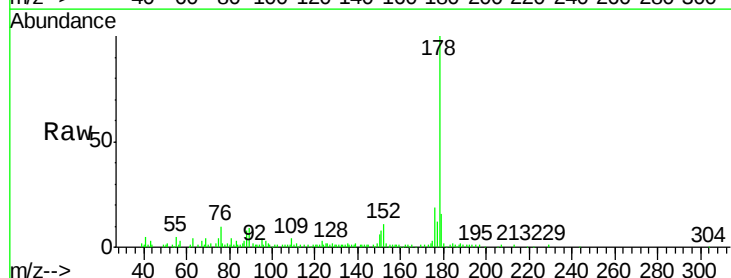
Instrument :
BNA_F
ClientSampled :
SB11

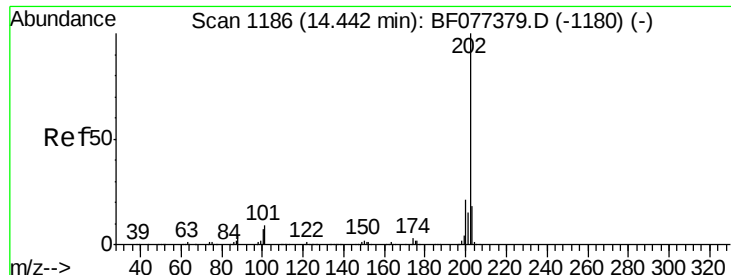
Tgt Ion:188 Resp: 427854
Ion Ratio Lower Upper
188 100
94 7.9 7.4 11.2
80 8.0 8.0 12.0



#70
Phenanthrene
Concen: 2.76 ng
RT: 12.88 min Scan# 1049
Delta R.T. -0.00 min
Lab File: BF077526.D
Acq: 2 Mar 2015 17:02

Tgt Ion:178 Resp: 68346
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 15.8 12.2 18.2





#74

Fluoranthene

Concen: 5.66 ng

RT: 14.36 min Scan# 1179

Delta R.T. 0.00 min

Lab File: BF077526.D

Acq: 2 Mar 2015 17:02

Instrument :

BNA_F

ClientSampleId :

SB11

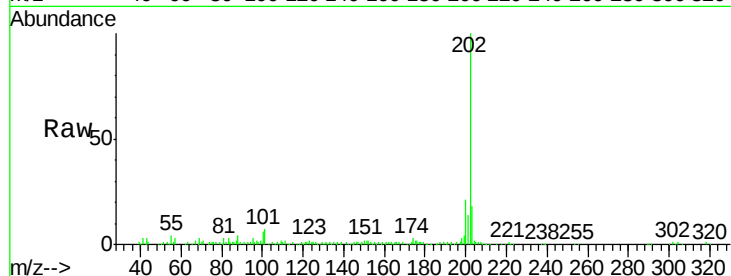
Tgt Ion:202 Resp: 153323

Ion Ratio Lower Upper

202 100

101 7.2 0.0 30.8

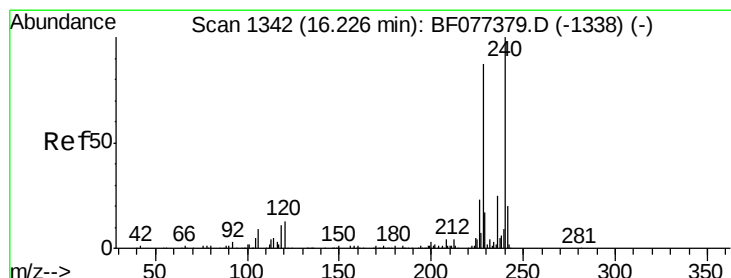
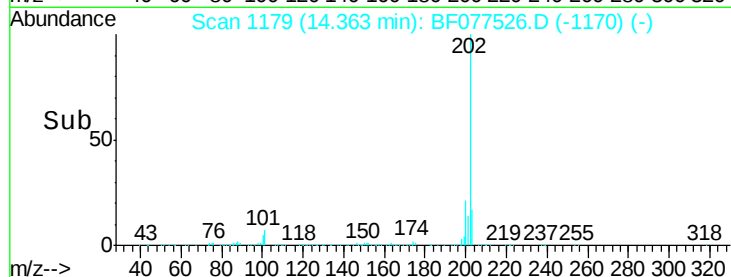
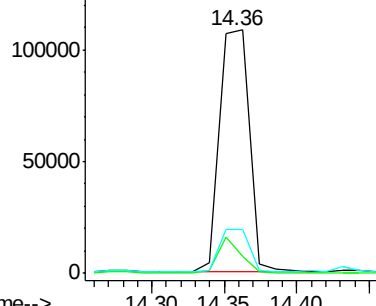
203 17.8 0.0 37.7



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: 16.15 min Scan# 1335

Delta R.T. 0.01 min

Lab File: BF077526.D

Acq: 2 Mar 2015 17:02

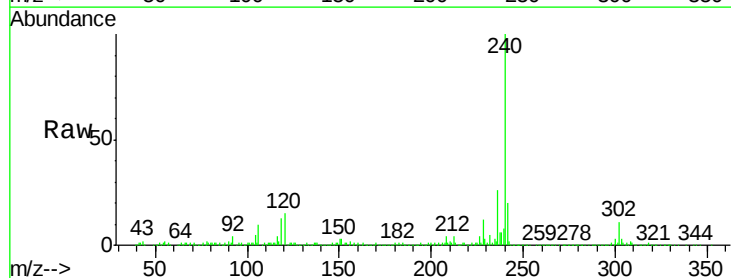
Tgt Ion:240 Resp: 458281

Ion Ratio Lower Upper

240 100

120 14.6 8.8 13.2#

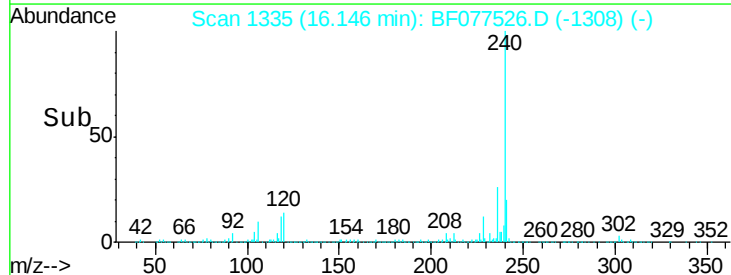
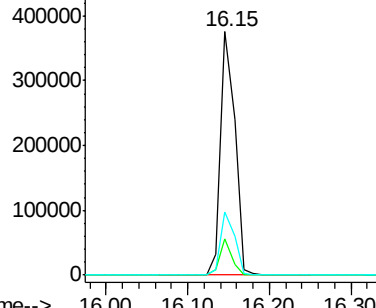
236 25.8 20.7 31.1

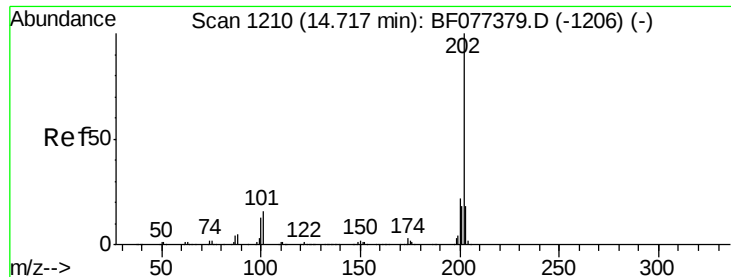


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 6.15 ng

RT: 14.64 min Scan# 1203

Delta R.T. 0.00 min

Lab File: BF077526.D

Acq: 2 Mar 2015 17:02

Instrument :

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SB11

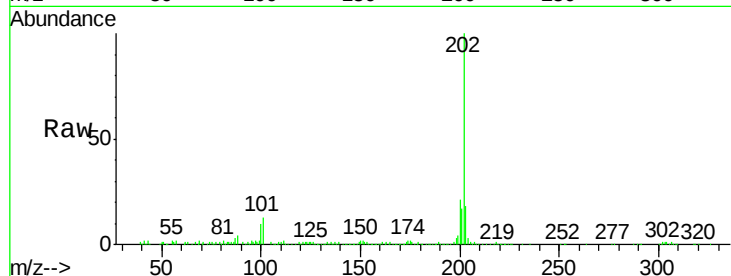
Tgt Ion:202 Resp: 172498

Ion Ratio Lower Upper

202 100

200 21.3 17.1 25.7

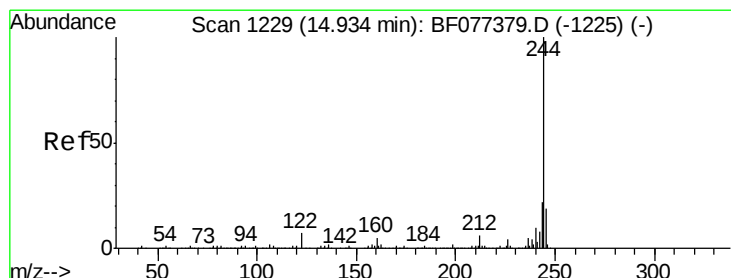
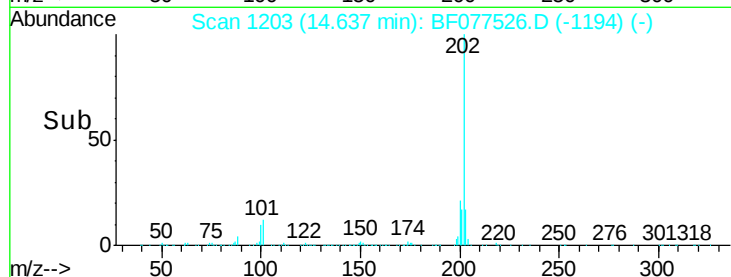
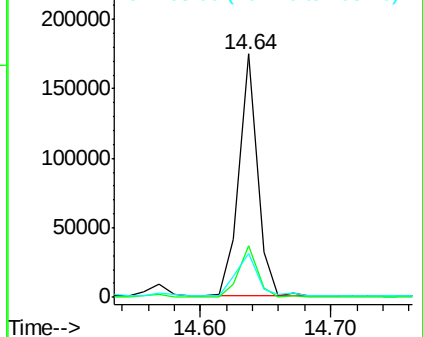
203 18.2 14.2 21.2



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



#78

Terphenyl-d14

Concen: 20.71 ng

RT: 14.85 min Scan# 1221

Delta R.T. 0.00 min

Lab File: BF077526.D

Acq: 2 Mar 2015 17:02

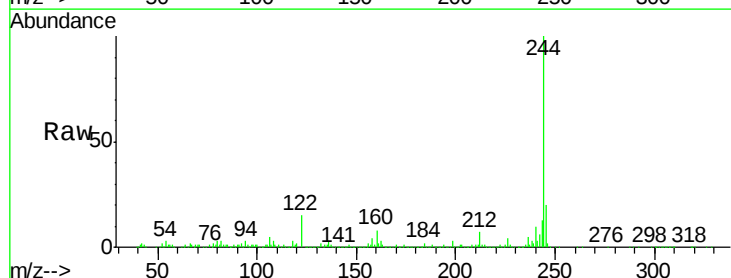
Tgt Ion:244 Resp: 406003

Ion Ratio Lower Upper

244 100

212 6.8 5.2 7.8

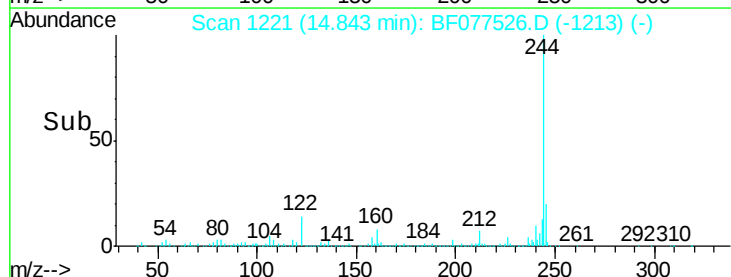
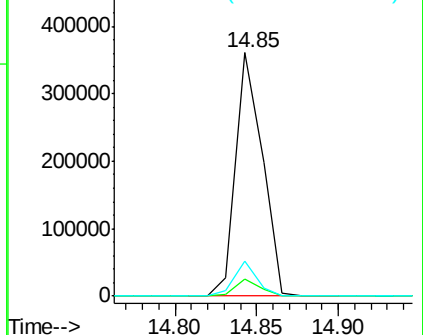
122 14.6 7.8 11.8#

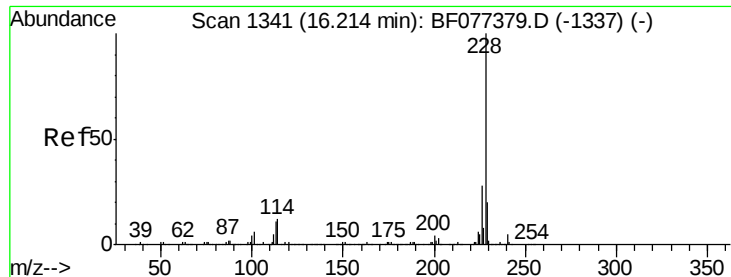


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

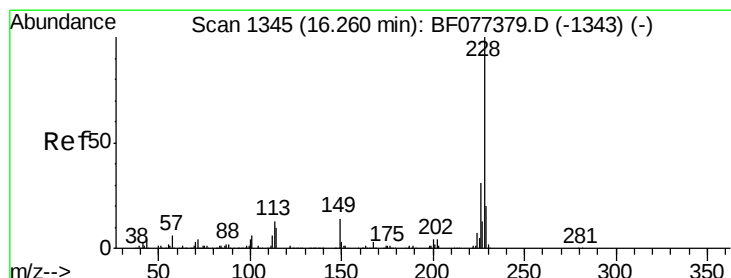
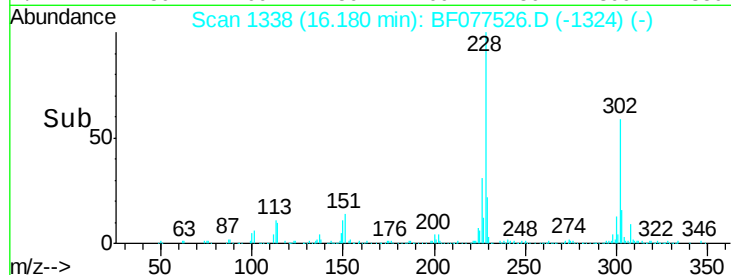
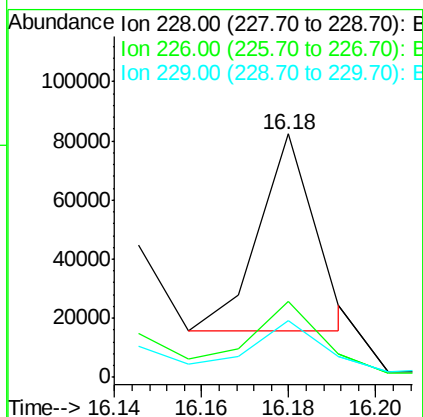
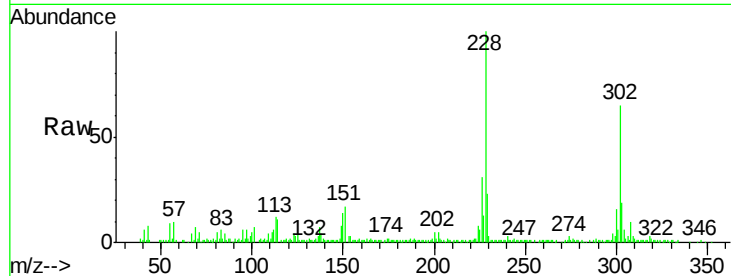




#80
Benzo(a)anthracene
Concen: 2.23 ng
RT: 16.18 min Scan# 1338
Delta R.T. 0.06 min
Lab File: BF077526.D
Acq: 2 Mar 2015 17:02

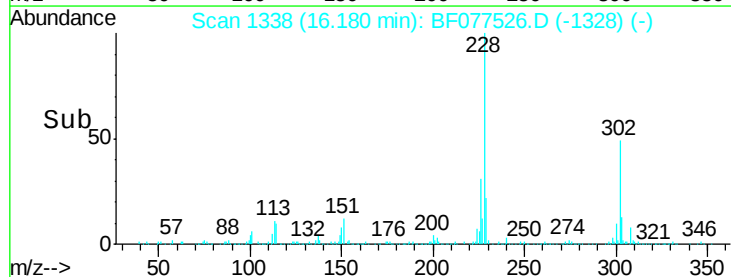
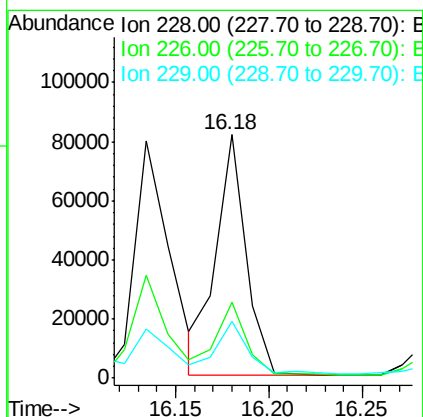
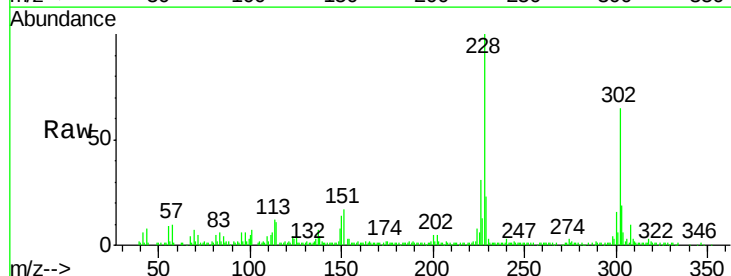
Instrument :
BNA_F
ClientSampleId :
SB11

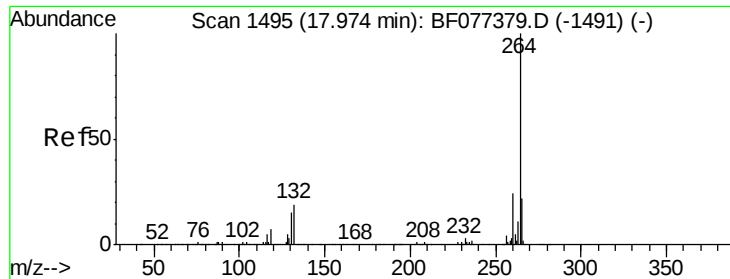
Tgt Ion:228 Resp: 59857
Ion Ratio Lower Upper
228 100
226 31.4 22.0 33.0
229 23.4 15.8 23.8



#82
Chrysene
Concen: 3.62 ng
RT: 16.18 min Scan# 1338
Delta R.T. 0.01 min
Lab File: BF077526.D
Acq: 2 Mar 2015 17:02

Tgt Ion:228 Resp: 91300
Ion Ratio Lower Upper
228 100
226 31.4 24.9 37.3
229 23.4 16.4 24.6

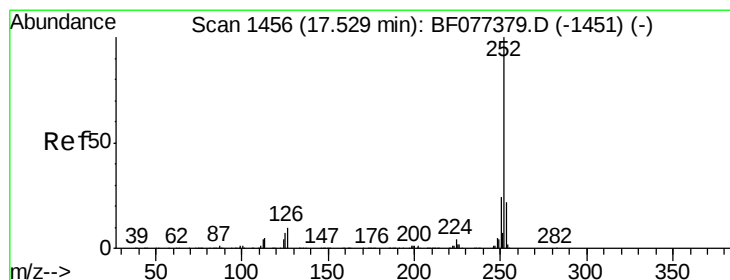
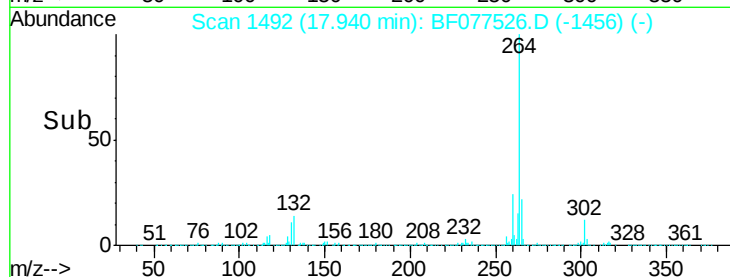
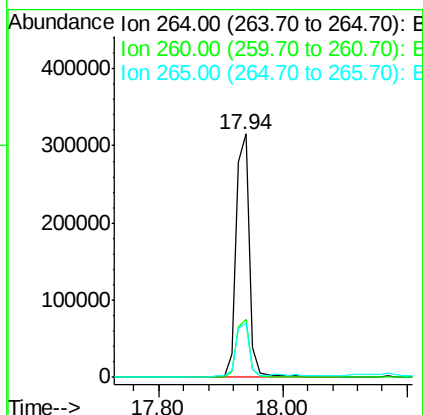
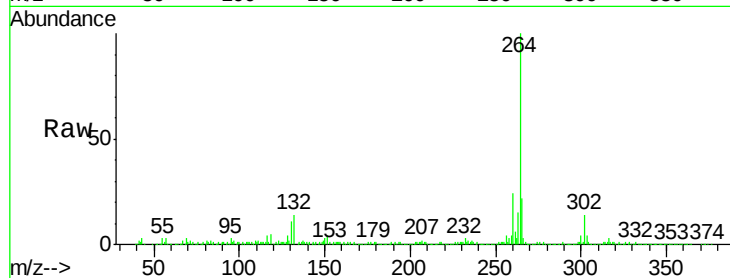




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.94 min Scan# 1492
Delta R.T. 0.11 min
Lab File: BF077526.D
Acq: 2 Mar 2015 17:02

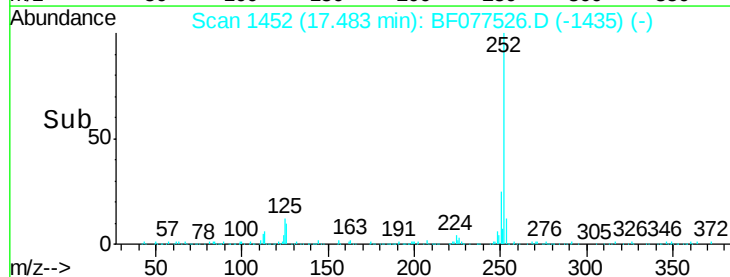
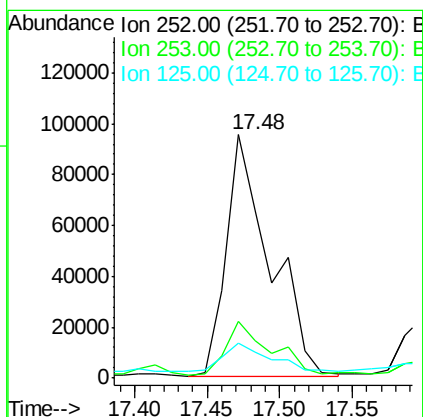
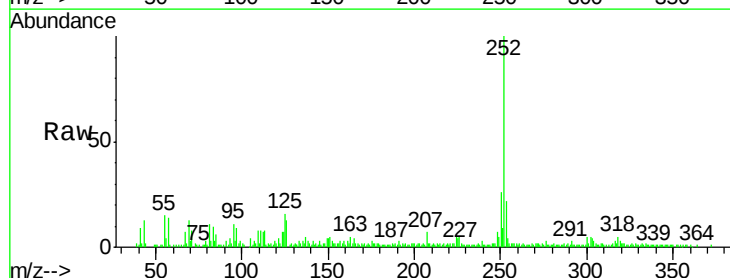
Instrument :
BNA_F
ClientSampleId :
SB11

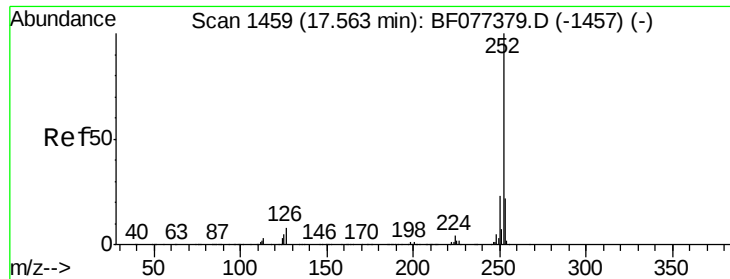
Tgt Ion:264 Resp: 465462
Ion Ratio Lower Upper
264 100
260 23.8 19.3 28.9
265 22.0 16.8 25.2



#87
Benzo(b)fluoranthene
Concen: 7.35 ng
RT: 17.48 min Scan# 1452
Delta R.T. 0.09 min
Lab File: BF077526.D
Acq: 2 Mar 2015 17:02

Tgt Ion:252 Resp: 199025
Ion Ratio Lower Upper
252 100
253 22.0 17.6 26.4
125 15.8 5.4 8.2#





#88

Benzo(k)fluoranthene

Concen: 7.32 ng

RT: 17.48 min Scan# 1452

Delta R.T. 0.06 min

Lab File: BF077526.D

Acq: 2 Mar 2015 17:02

Instrument :

BNA_F

ClientSampleId :

SB11

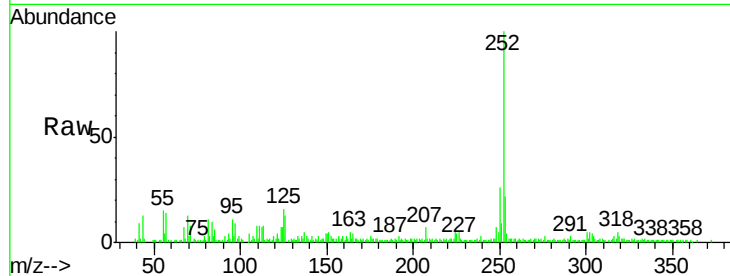
Tgt Ion:252 Resp: 194042

Ion Ratio Lower Upper

252 100

253 22.0 18.1 27.1

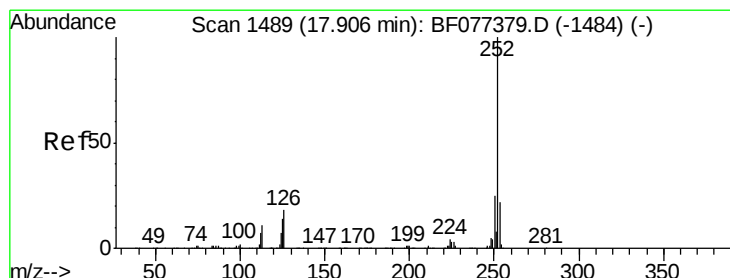
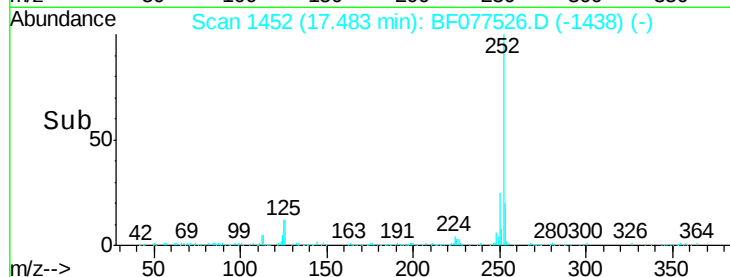
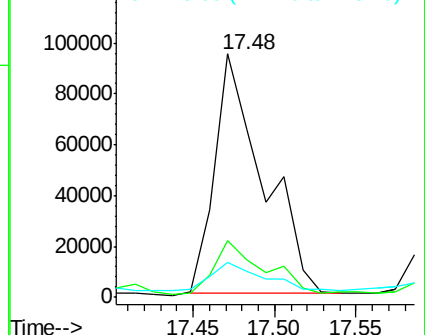
125 15.8 10.1 15.1#



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: 4.36 ng

RT: 17.87 min Scan# 1486

Delta R.T. 0.10 min

Lab File: BF077526.D

Acq: 2 Mar 2015 17:02

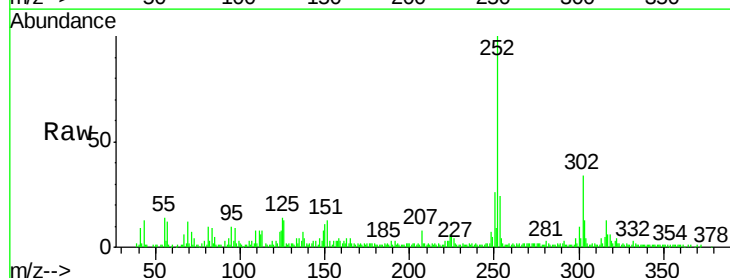
Tgt Ion:252 Resp: 112417

Ion Ratio Lower Upper

252 100

253 24.3 18.2 27.2

125 13.6 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

