

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030315\
 Data File : BF077565.D
 Acq On : 4 Mar 2015 1:28
 Operator : TP/IZ
 Sample : G1399-08RE
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB2RE

Quant Time: Mar 04 02:20:27 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 03 23:57:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.23	152	85804	20.00	ng	0.00
21) Naphthalene-d8	8.81	136	334023	20.00	ng	0.00
38) Acenaphthene-d10	10.99	164	175643	20.00	ng	0.00
63) Phenanthrene-d10	12.83	188	344687	20.00	ng	0.00
75) Chrysene-d12	16.11	240	380185	20.00	ng	-0.04
86) Perylene-d12	17.80	264	393487	20.00	ng	-0.18

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	293036	57.01	ng	0.00
7) Phenol-d6	6.80	99	383107	57.97	ng	0.00
23) Nitrobenzene-d5	7.93	82	216991	40.40	ng	0.00
41) 2,4,6-Tribromophenol	11.97	330	93941	55.55	ng	0.00
44) 2-Fluorobiphenyl	10.16	172	417947	37.10	ng	0.00
78) Terphenyl-d14	14.83	244	457379	28.12	ng	0.00

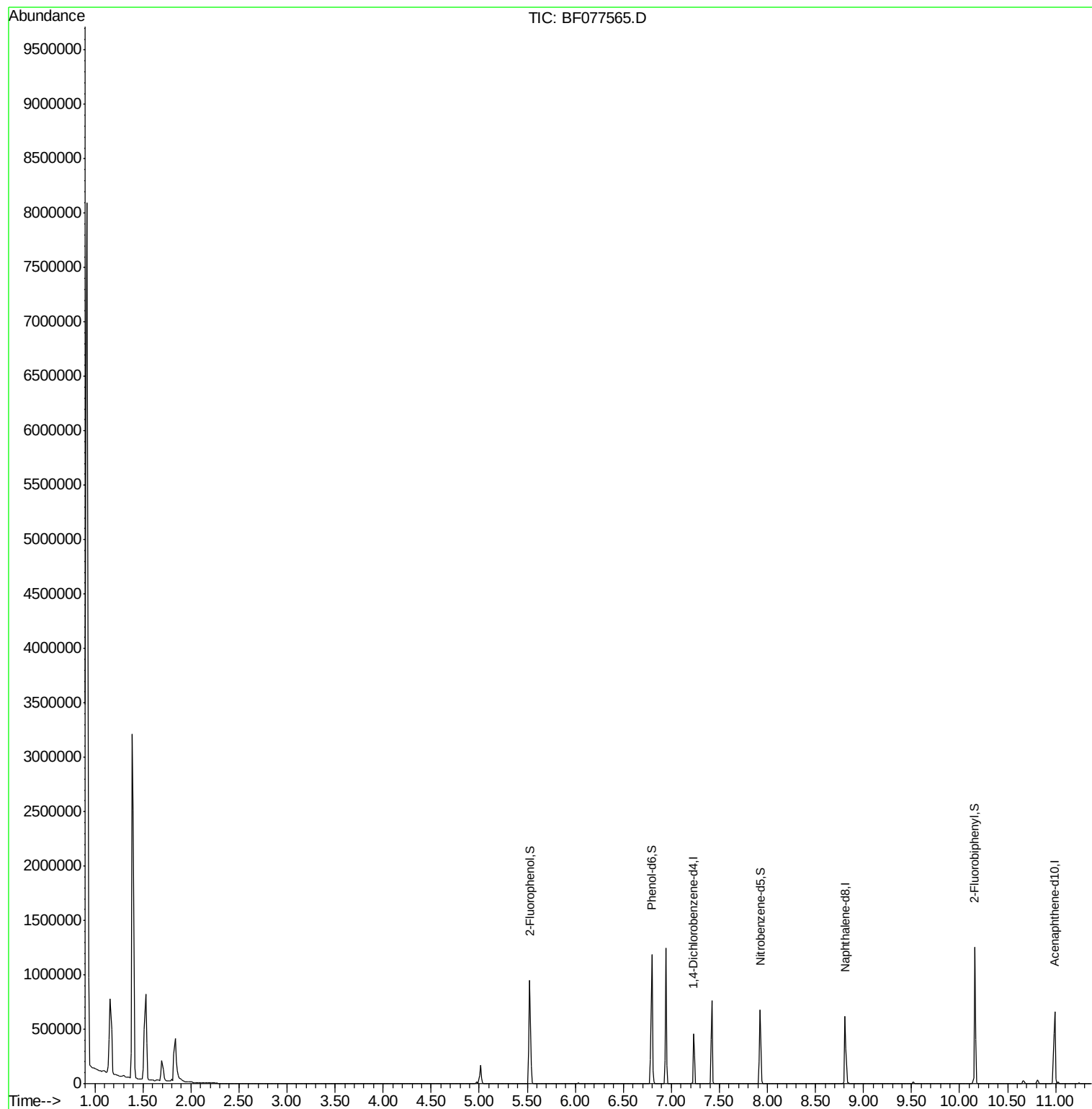
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
70) Phenanthrene	12.86	178	83469	4.18	ng	100
74) Fluoranthene	14.33	202	232416	10.65	ng	96
77) Pyrene	14.61	202	245988	10.58	ng	98
80) Benzo(a)anthracene	16.10	228	148573	6.67	ng	96
82) Chrysene	16.14	228	121207	5.79	ng	96
87) Benzo(b)fluoranthene	17.36	252	172055	7.52	ng	# 96
88) Benzo(k)fluoranthene	17.37	252	224399	10.01	ng	99
89) Benzo(a)pyrene	17.73	252	131756	6.05	ng	# 95
91) Benzo(g,h,i)perylene	19.64	276	79546	3.79	ng	95

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

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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB2RE

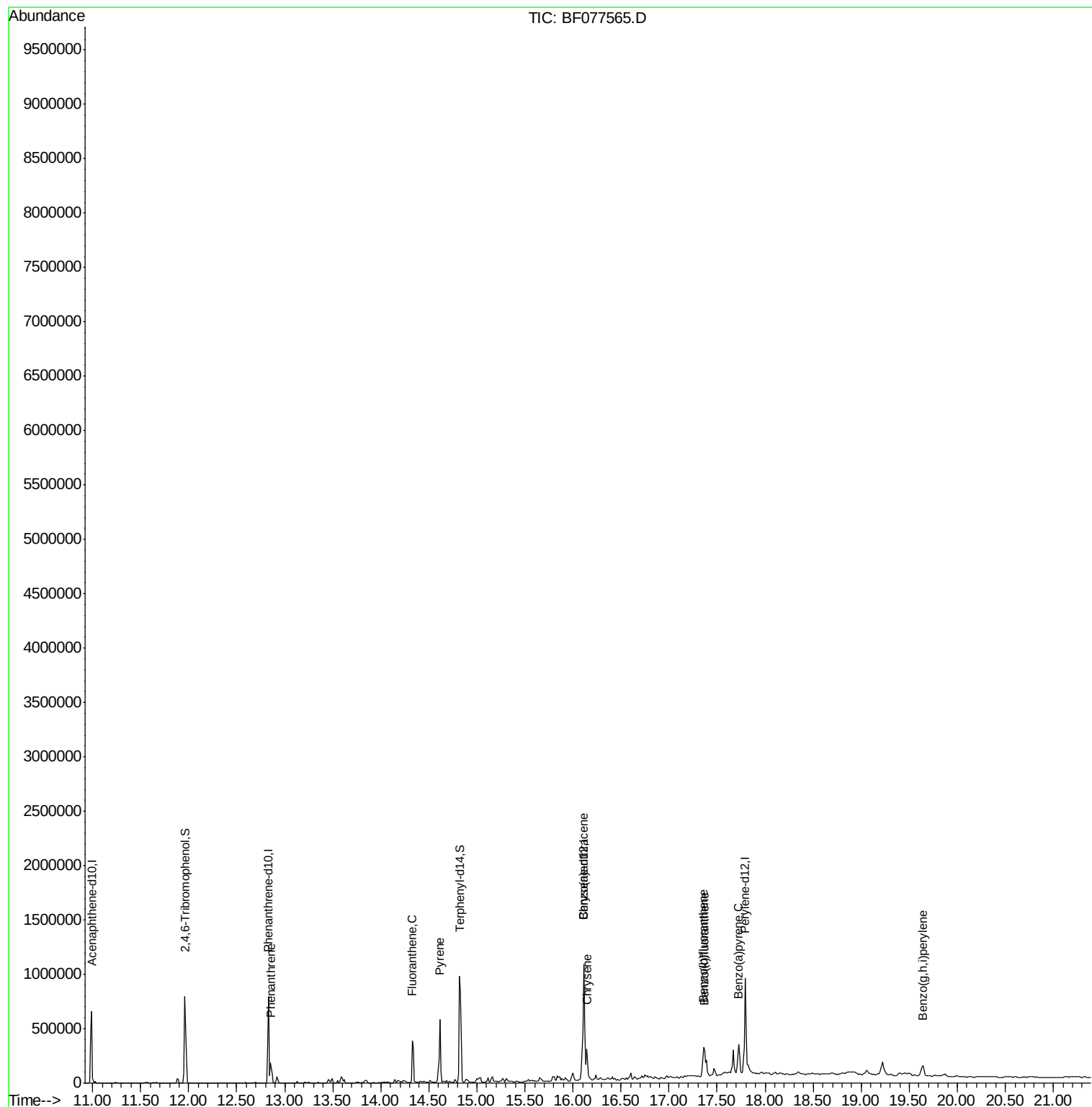
Quant Time: Mar 04 02:20:27 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 03 23:57:38 2015
Response via : Initial Calibration

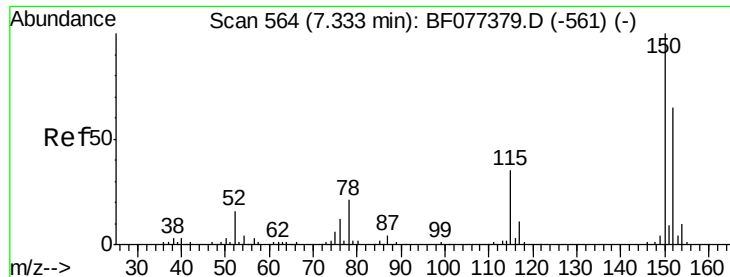


Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030315\
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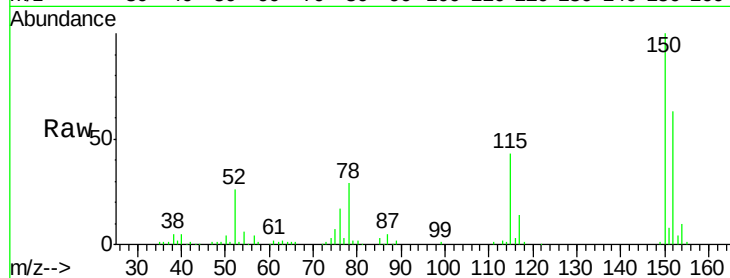




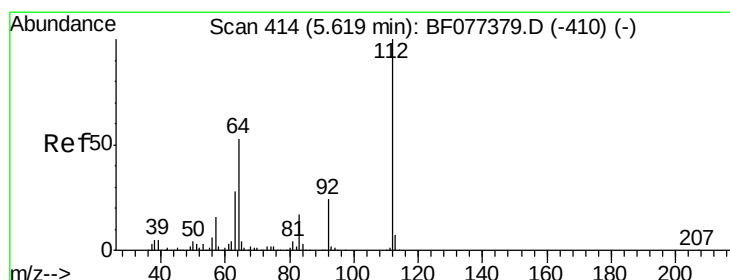
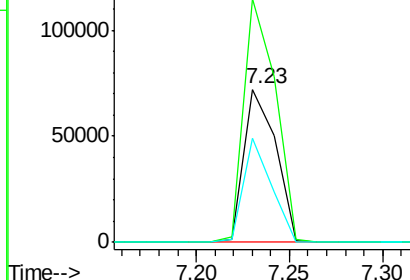
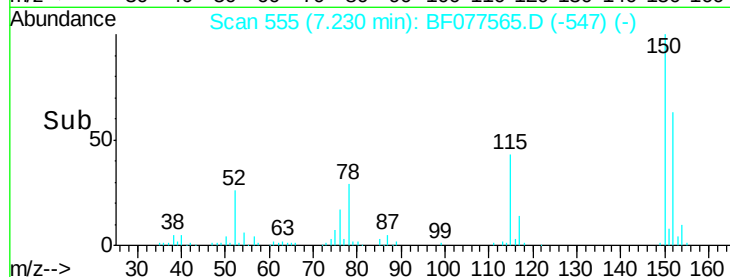
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.23 min Scan# 555
 Delta R.T. -0.01 min
 Lab File: BF077565.D
 Acq: 4 Mar 2015 1:28

Instrument :
 BNA_F
 ClientSampleId :
 SB2RE

Tgt Ion:152 Resp: 85804
 Ion Ratio Lower Upper
 152 100
 150 158.8 124.0 186.0
 115 68.0 49.4 74.2

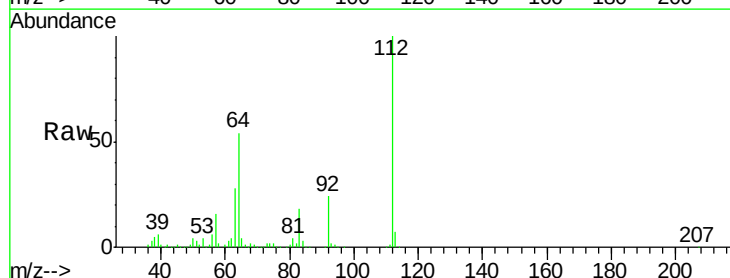


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

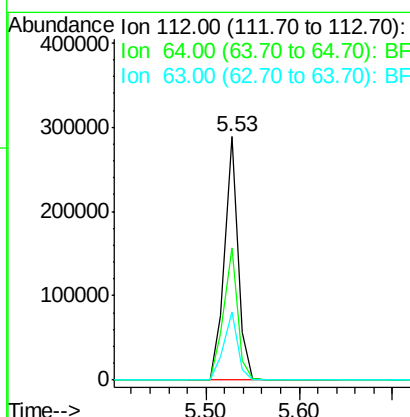
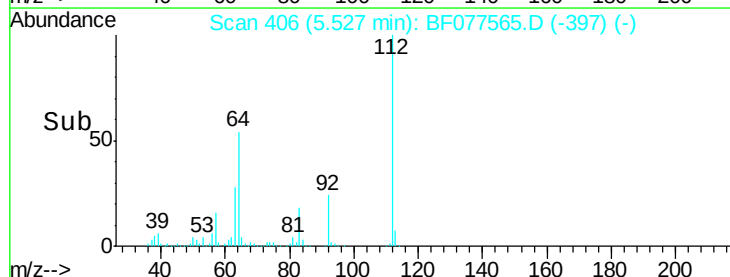


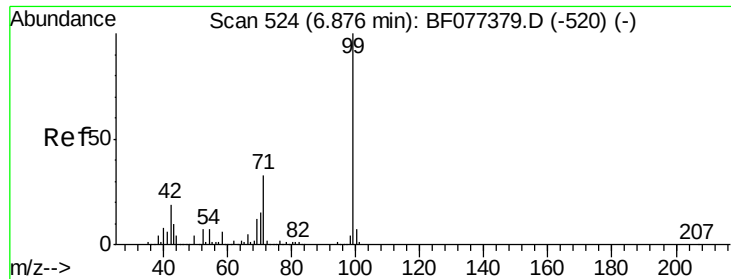
#5
 2-Fluorophenol
 Concen: 57.01 ng
 RT: 5.53 min Scan# 406
 Delta R.T. 0.00 min
 Lab File: BF077565.D
 Acq: 4 Mar 2015 1:28

Tgt Ion:112 Resp: 293036
 Ion Ratio Lower Upper
 112 100
 64 54.2 48.5 72.7
 63 28.3 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: 57.97 ng

RT: 6.80 min Scan# 517

Delta R.T. -0.00 min

Lab File: BF077565.D

Acq: 4 Mar 2015 1:28

Instrument :

BNA_F

ClientSampleId :

SB2RE

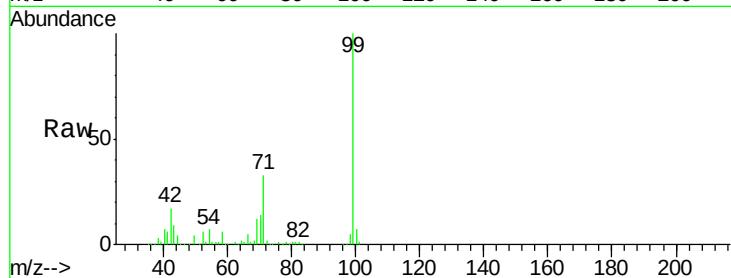
Tgt Ion: 99 Resp: 383107

Ion Ratio Lower Upper

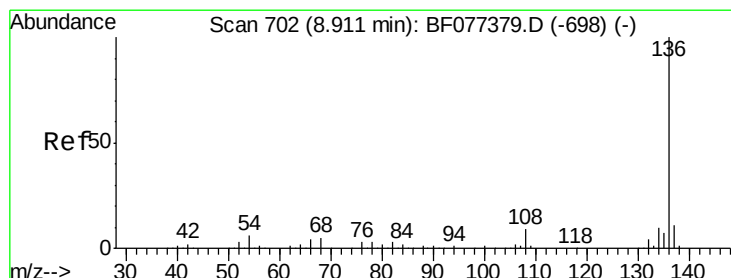
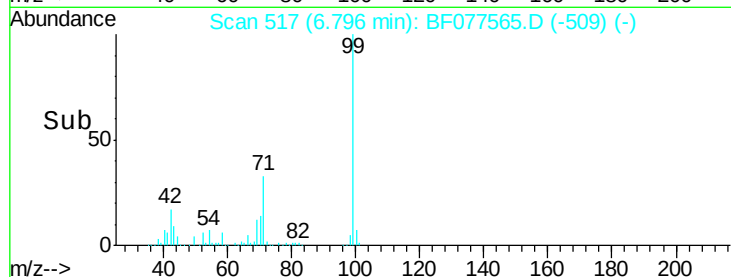
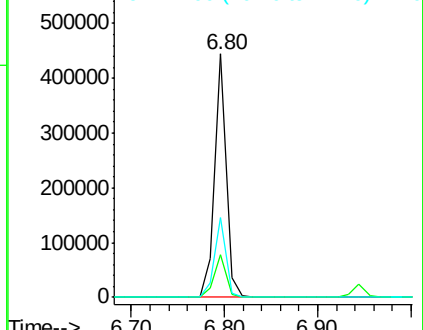
99 100

42 17.3 16.2 24.4

71 32.6 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: 8.81 min Scan# 693

Delta R.T. -0.01 min

Lab File: BF077565.D

Acq: 4 Mar 2015 1:28

Tgt Ion: 136 Resp: 334023

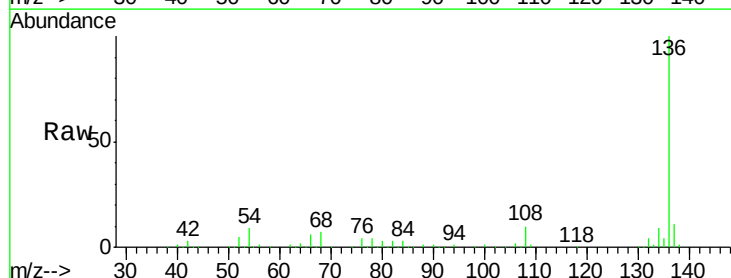
Ion Ratio Lower Upper

136 100

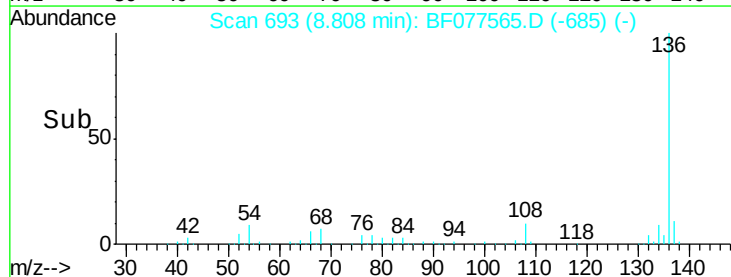
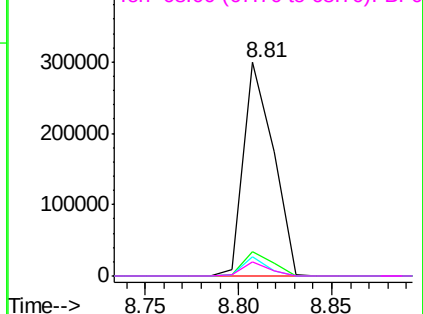
137 11.4 8.6 13.0

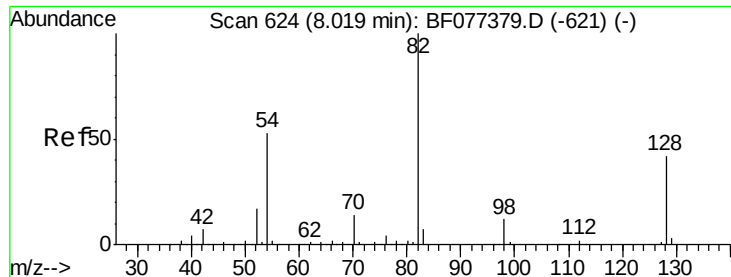
54 8.8 6.2 9.4

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

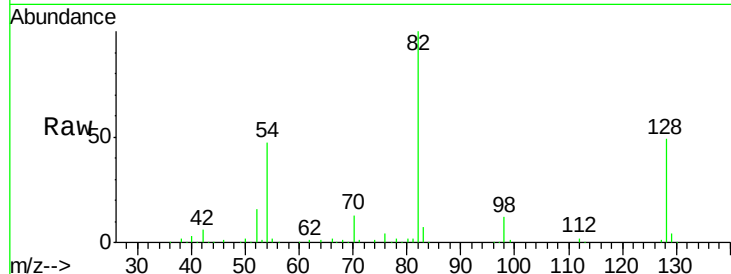




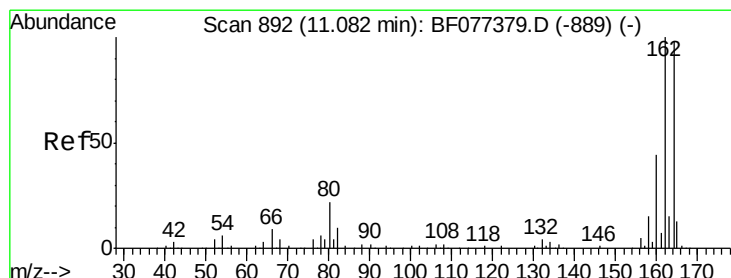
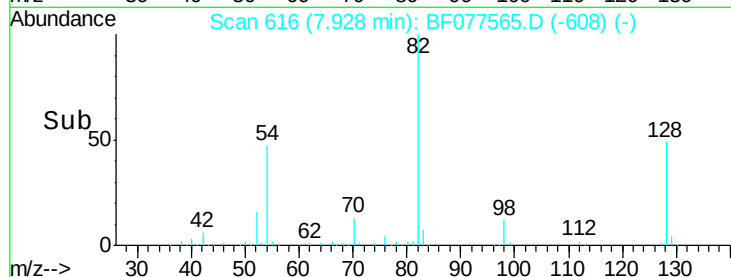
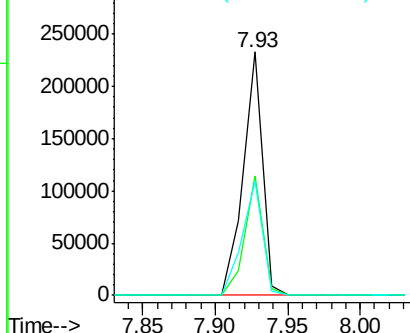
#23
Nitrobenzene-d5
Concen: 40.40 ng
RT: 7.93 min Scan# 616
Delta R.T. -0.01 min
Lab File: BF077565.D
Acq: 4 Mar 2015 1:28

Instrument :
BNA_F
ClientSampleId :
SB2RE

Tgt Ion: 82 Resp: 216991
Ion Ratio Lower Upper
82 100
128 49.2 43.8 65.8
54 47.1 36.7 55.1

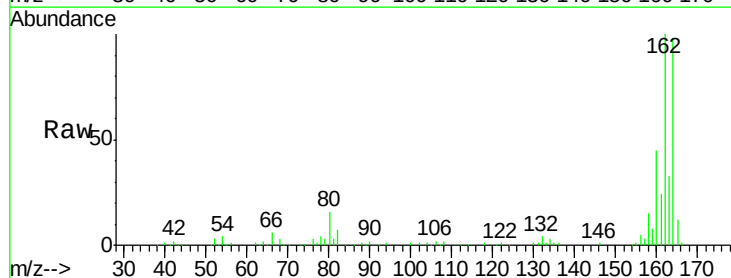


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

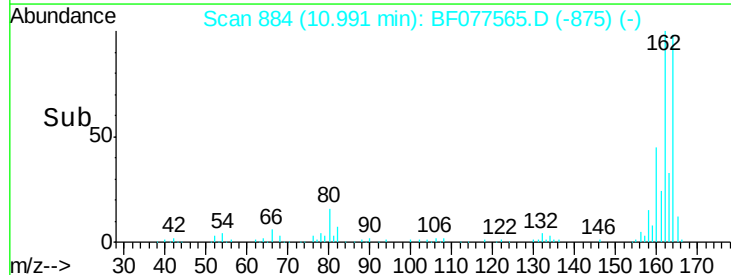
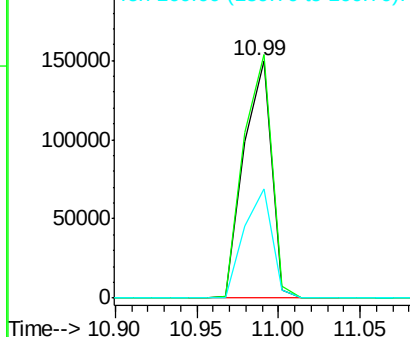


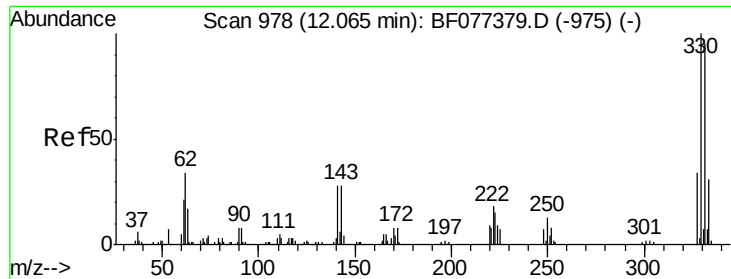
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.99 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF077565.D
Acq: 4 Mar 2015 1:28

Tgt Ion: 164 Resp: 175643
Ion Ratio Lower Upper
164 100
162 102.5 83.2 124.8
160 45.9 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

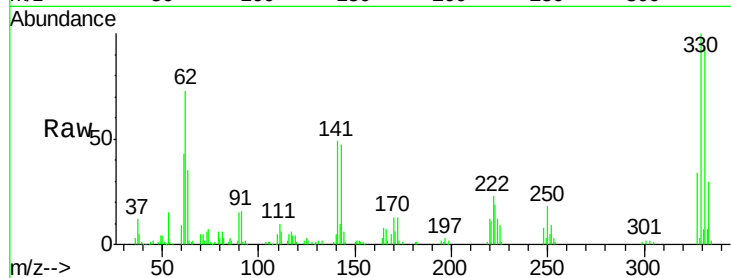




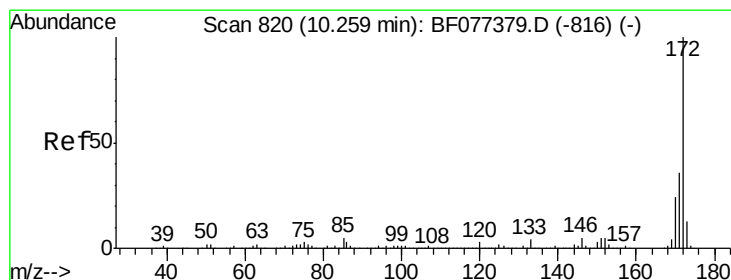
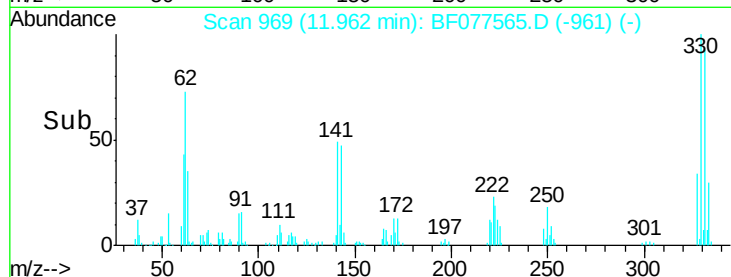
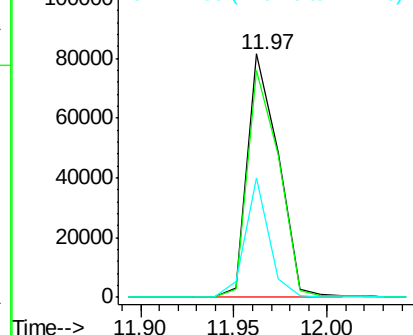
#41
 2,4,6-Tribromophenol
 Concen: 55.55 ng
 RT: 11.97 min Scan# 969
 Delta R.T. -0.01 min
 Lab File: BF077565.D
 Acq: 4 Mar 2015 1:28

Instrument :
 BNA_F
 ClientSampleId :
 SB2RE

Tgt Ion:330 Resp: 93941
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.4 116.2
 141 38.4 28.8 43.2

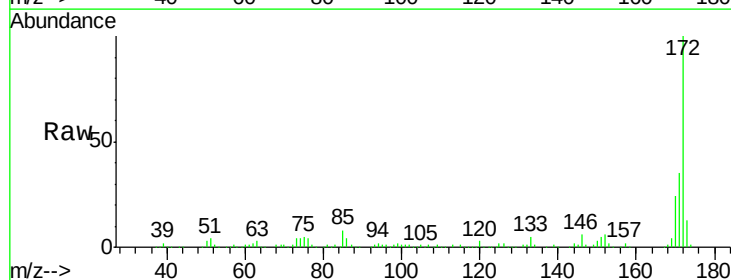


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

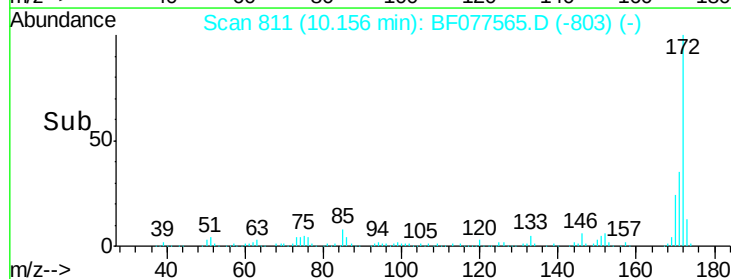
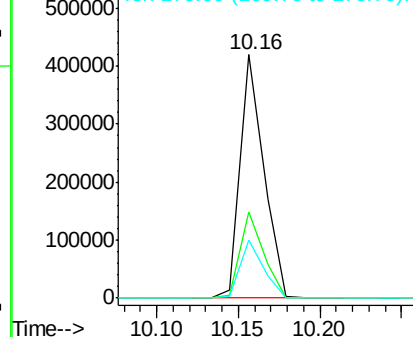


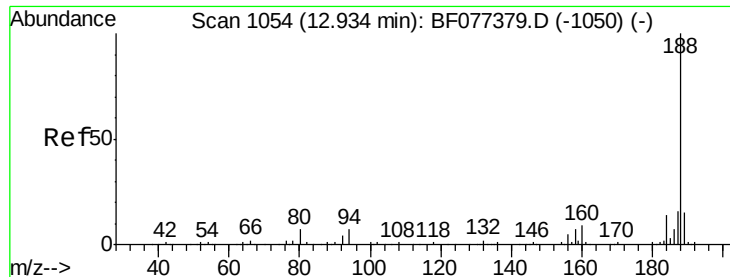
#44
 2-Fluorobiphenyl
 Concen: 37.10 ng
 RT: 10.16 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BF077565.D
 Acq: 4 Mar 2015 1:28

Tgt Ion:172 Resp: 417947
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.9 43.3
 170 23.8 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

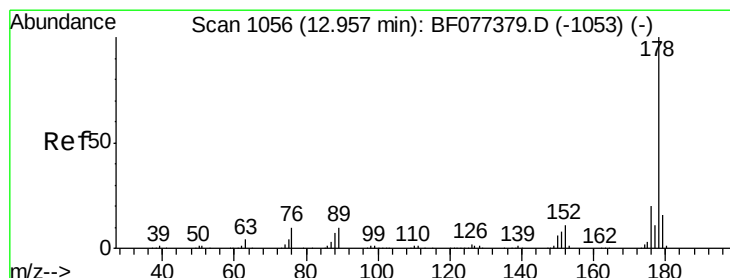
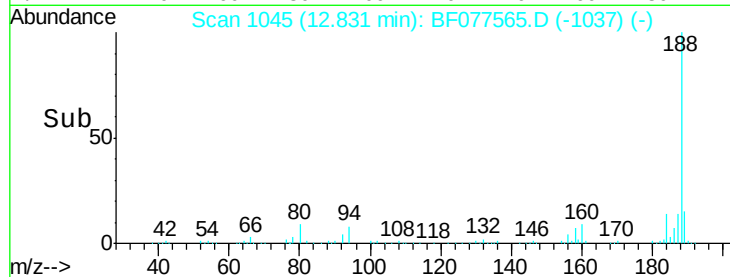
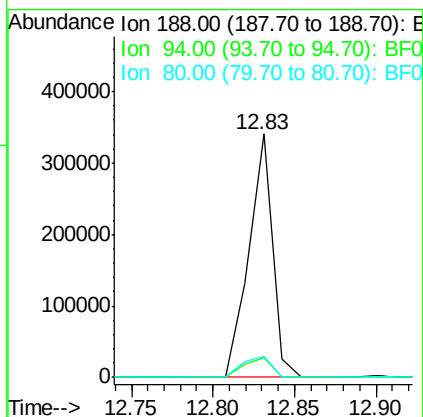
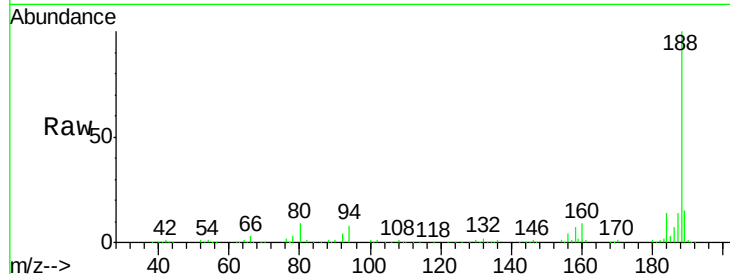




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.83 min Scan# 1045
 Delta R.T. -0.01 min
 Lab File: BF077565.D
 Acq: 4 Mar 2015 1:28

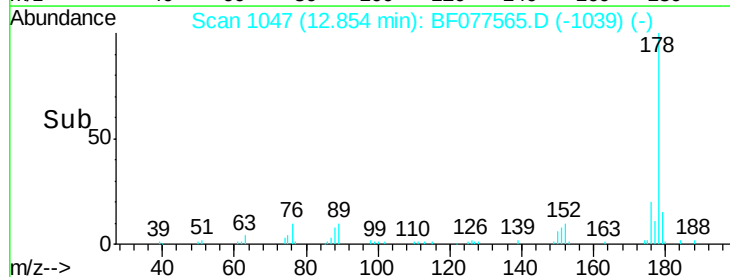
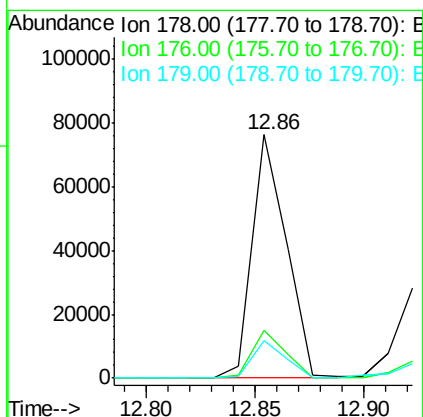
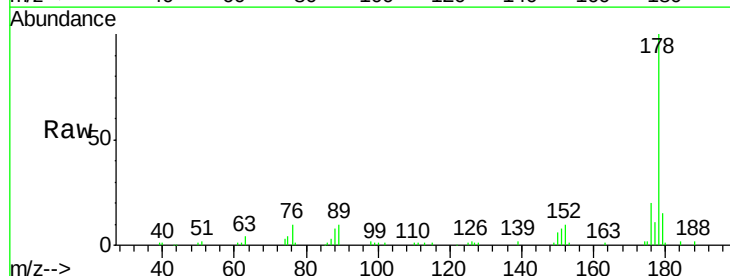
Instrument :
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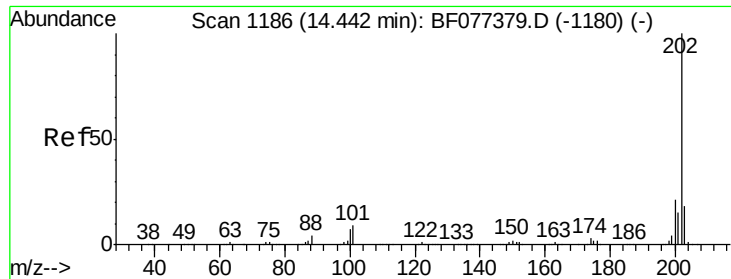
Tgt Ion:188 Resp: 344687
 Ion Ratio Lower Upper
 188 100
 94 8.1 7.4 11.2
 80 8.6 8.0 12.0



#70
 Phenanthrene
 Concen: 4.18 ng
 RT: 12.86 min Scan# 1047
 Delta R.T. -0.01 min
 Lab File: BF077565.D
 Acq: 4 Mar 2015 1:28

Tgt Ion:178 Resp: 83469
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.5 23.3
 179 15.5 12.2 18.2

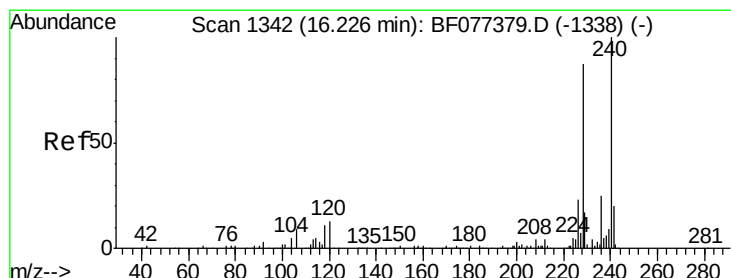
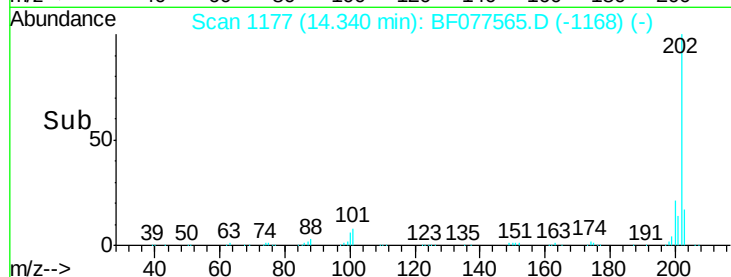
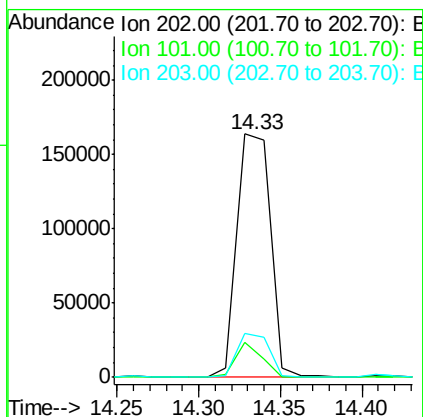
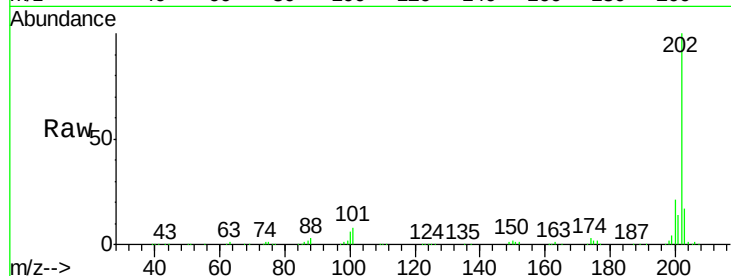




#74
 Fluoranthene
 Concen: 10.65 ng
 RT: 14.33 min Scan# 1177
 Delta R.T. -0.01 min
 Lab File: BF077565.D
 Acq: 4 Mar 2015 1:28

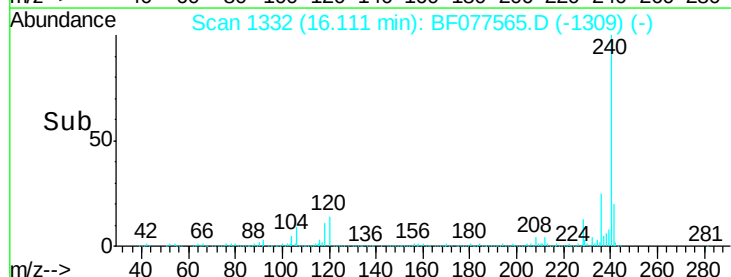
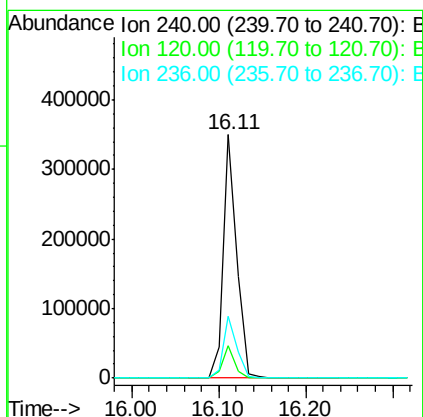
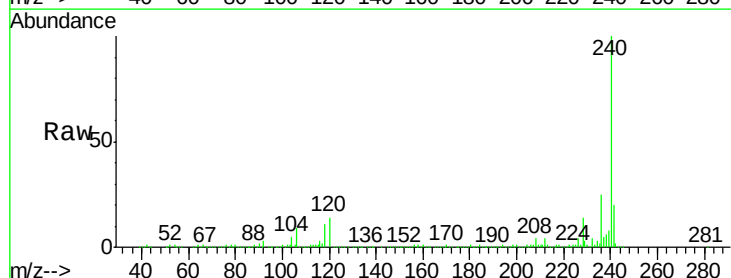
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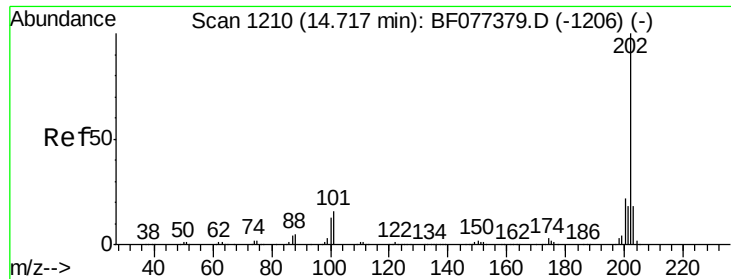
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	30.8
203	16.8	0.0	37.7



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.11 min Scan# 1332
 Delta R.T. -0.04 min
 Lab File: BF077565.D
 Acq: 4 Mar 2015 1:28

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.5	8.8	13.2#
236	25.5	20.7	31.1

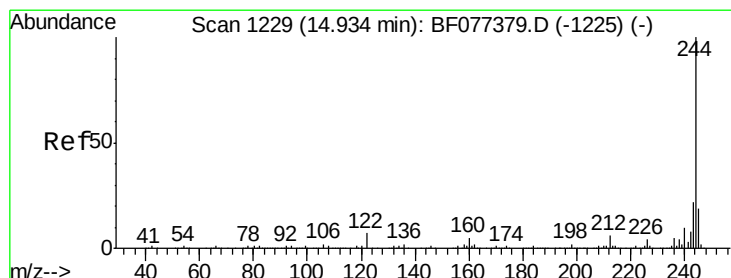
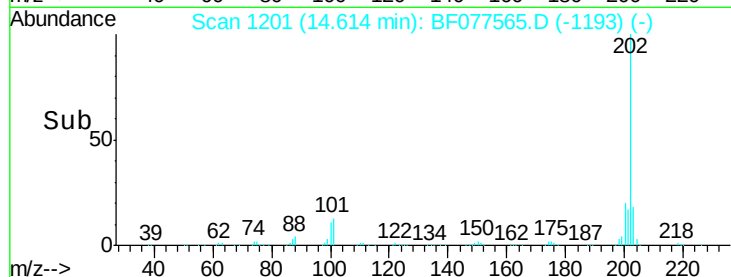
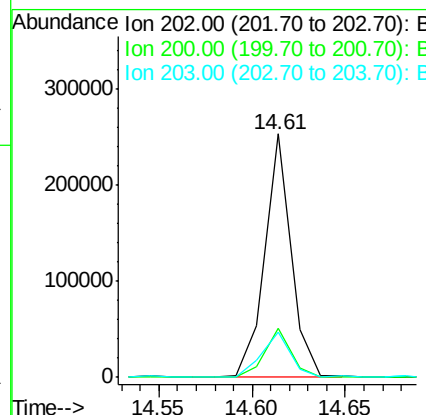
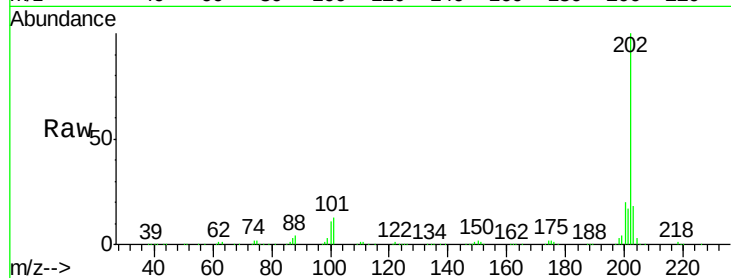




#77
 Pyrene
 Concen: 10.58 ng
 RT: 14.61 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF077565.D
 Acq: 4 Mar 2015 1:28

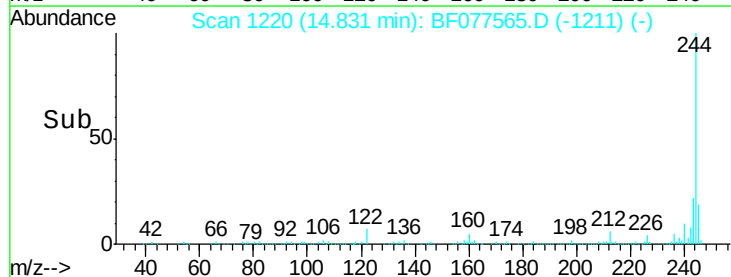
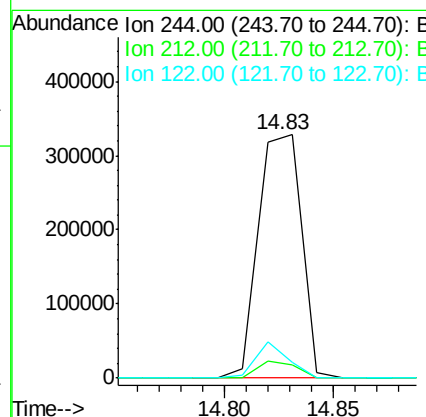
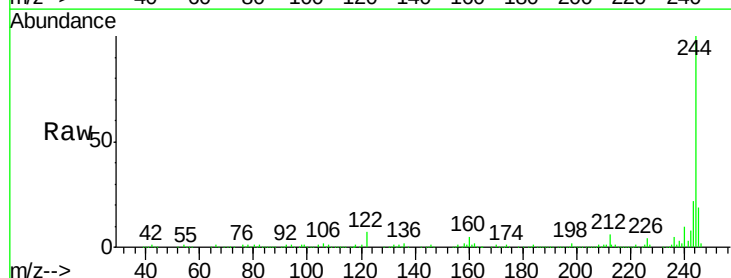
Instrument :
 BNA_F
 ClientSampleId :
 SB2RE

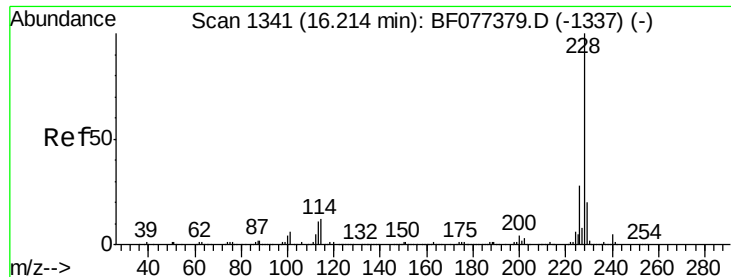
Tgt Ion: 202 Resp: 245988
 Ion Ratio Lower Upper
 202 100
 200 20.2 17.1 25.7
 203 18.5 14.2 21.2



#78
 Terphenyl-d14
 Concen: 28.12 ng
 RT: 14.83 min Scan# 1220
 Delta R.T. -0.01 min
 Lab File: BF077565.D
 Acq: 4 Mar 2015 1:28

Tgt Ion: 244 Resp: 457379
 Ion Ratio Lower Upper
 244 100
 212 5.6 5.2 7.8
 122 6.7 7.8 11.8#





#80

Benzo(a)anthracene

Concen: 6.67 ng

RT: 16.10 min Scan# 1331

Delta R.T. -0.03 min

Lab File: BF077565.D

Acq: 4 Mar 2015 1:28

Instrument :

BNA_F

ClientSampleId :

SB2RE

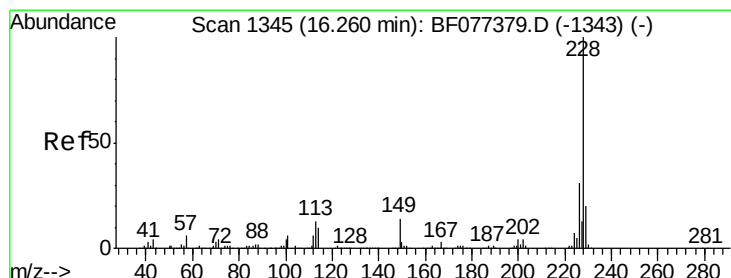
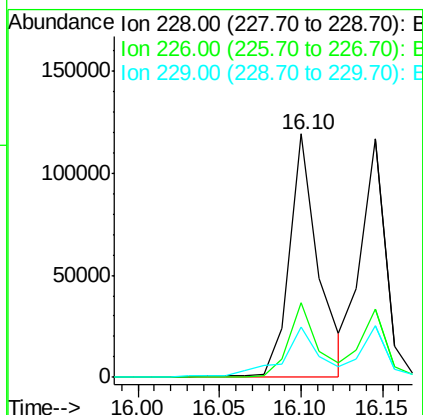
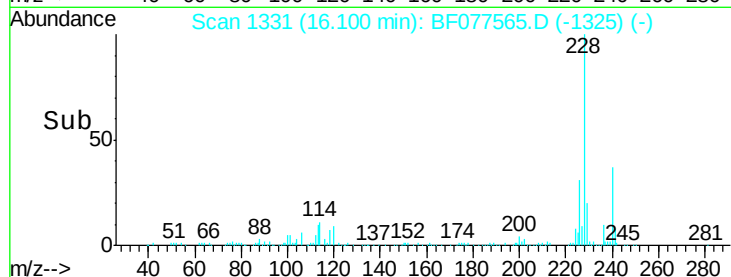
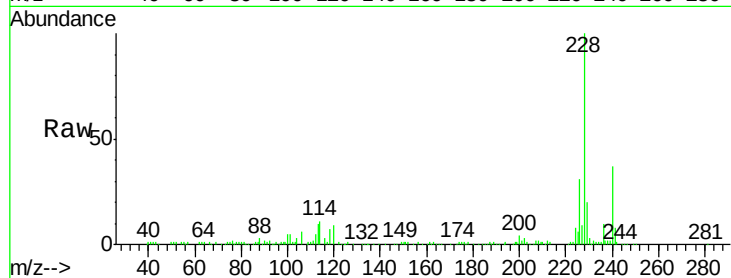
Tgt Ion:228 Resp: 148573

Ion Ratio Lower Upper

228 100

226 30.7 22.0 33.0

229 20.4 15.8 23.8



#82

Chrysene

Concen: 5.79 ng

RT: 16.14 min Scan# 1335

Delta R.T. -0.04 min

Lab File: BF077565.D

Acq: 4 Mar 2015 1:28

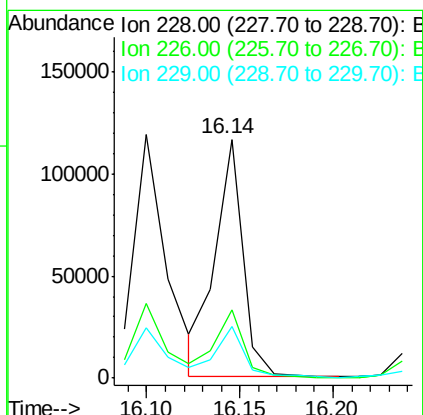
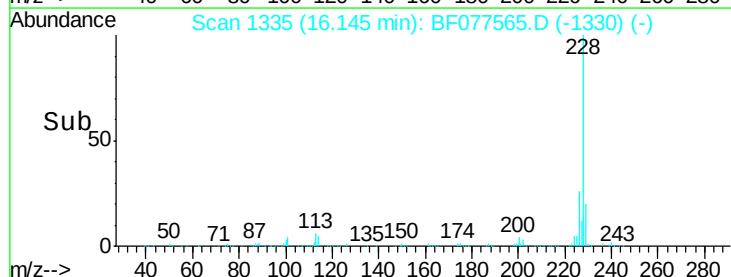
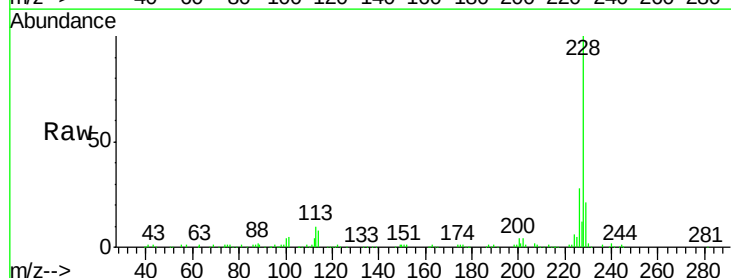
Tgt Ion:228 Resp: 121207

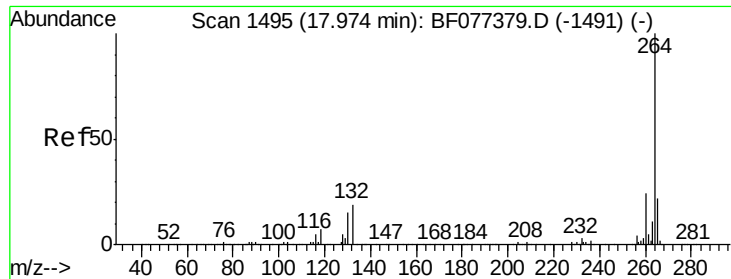
Ion Ratio Lower Upper

228 100

226 28.4 24.9 37.3

229 21.5 16.4 24.6



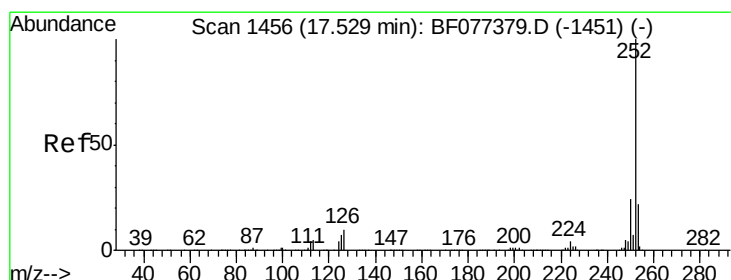
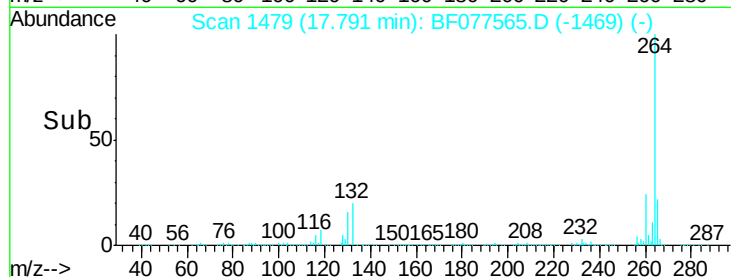
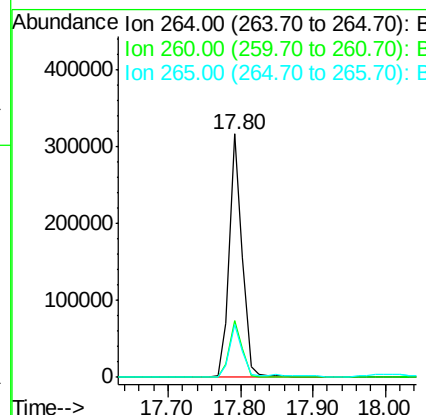
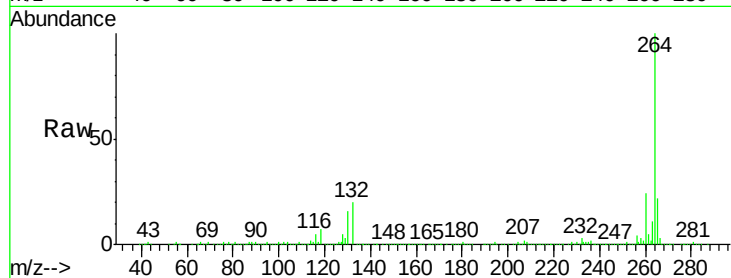


#86
Perylene-d12
Concen: 20.00 ng
RT: 17.80 min Scan# 1479
Delta R.T. -0.18 min
Lab File: BF077565.D
Acq: 4 Mar 2015 1:28

Instrument :
BNA_F
ClientSampleId :
SB2RE

Tgt Ion: 264 Resp: 393487

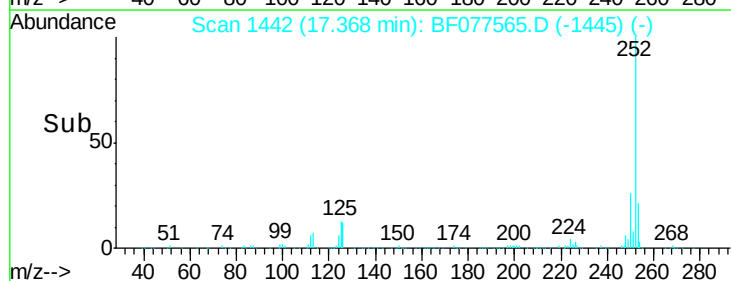
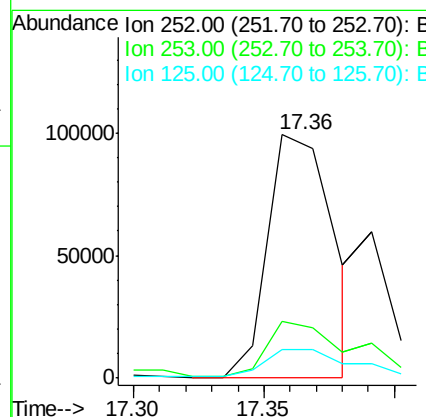
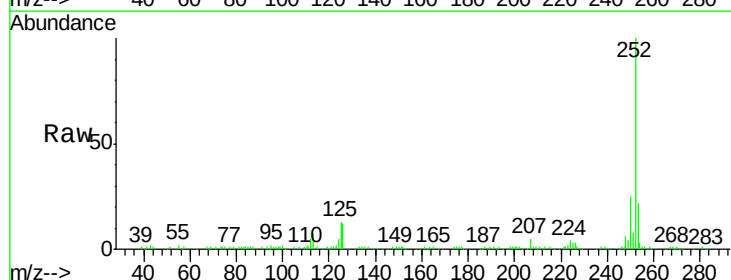
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.3	28.9
265	22.0	16.8	25.2

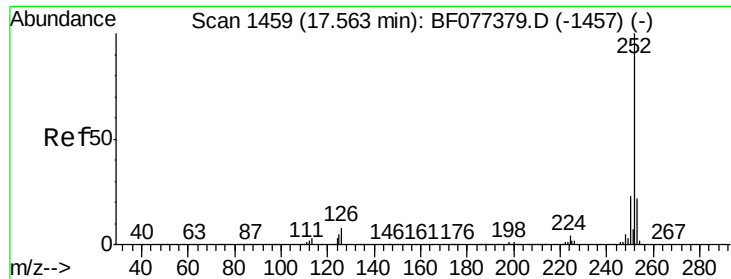


#87
Benzo(b)fluoranthene
Concen: 7.52 ng
RT: 17.36 min Scan# 1442
Delta R.T. -0.14 min
Lab File: BF077565.D
Acq: 4 Mar 2015 1:28

Tgt Ion: 252 Resp: 172055

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	12.5	5.4	8.2

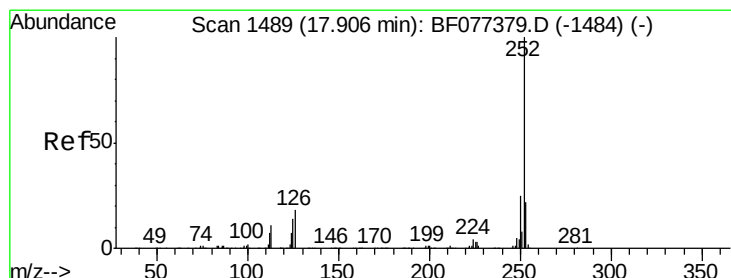
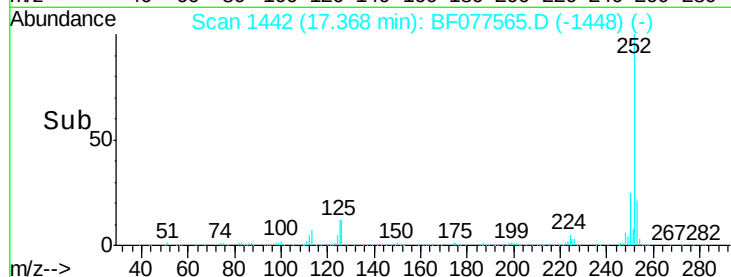
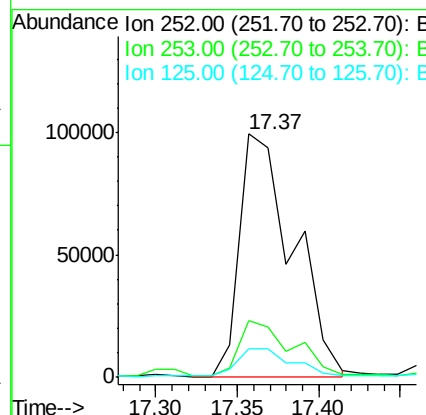
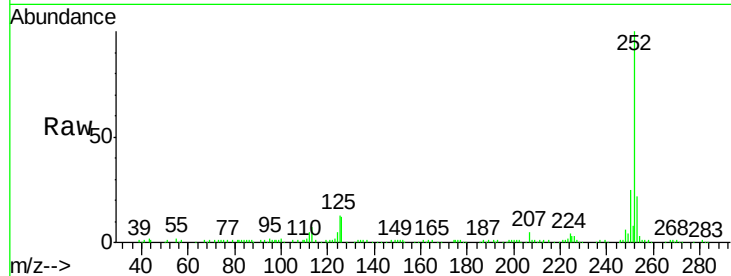




#88
Benzo(k)fluoranthene
Concen: 10.01 ng
RT: 17.37 min Scan# 1442
Delta R.T. -0.16 min
Lab File: BF077565.D
Acq: 4 Mar 2015 1:28

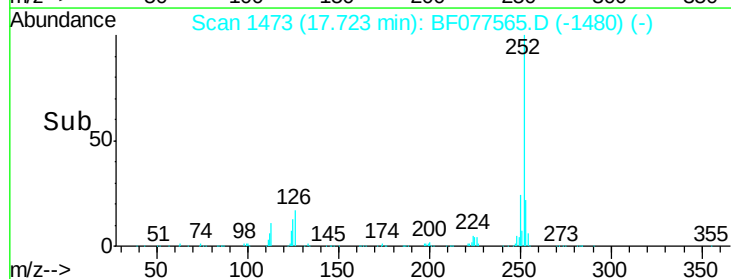
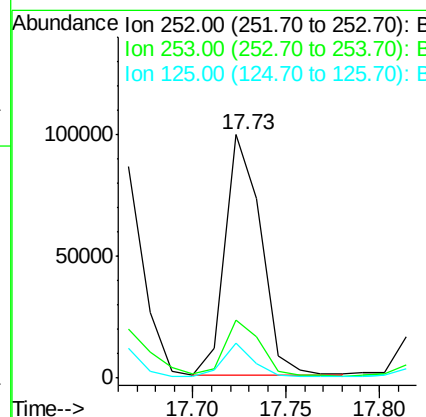
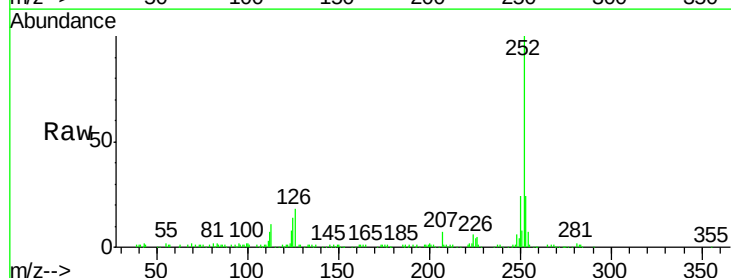
Instrument :
BNA_F
ClientSampled :
SB2RE

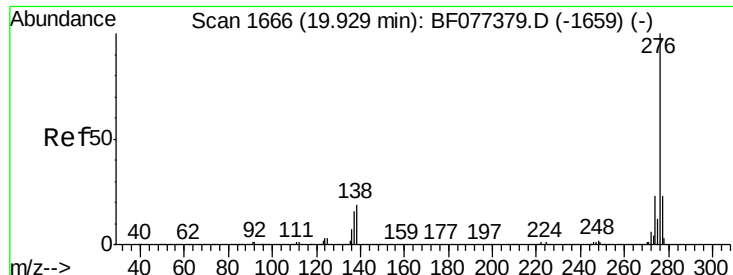
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.1	27.1
125	12.5	10.1	15.1



#89
Benzo(a)pyrene
Concen: 6.05 ng
RT: 17.73 min Scan# 1473
Delta R.T. -0.18 min
Lab File: BF077565.D
Acq: 4 Mar 2015 1:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.2
125	14.4	8.3	12.5#

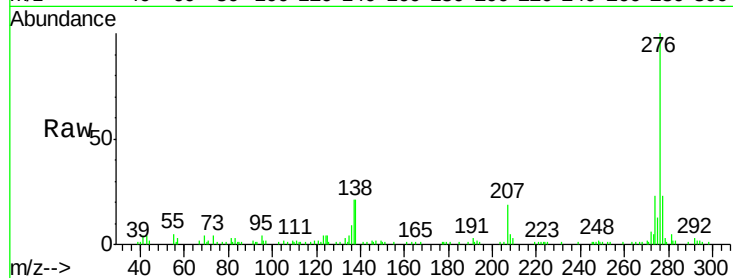




#91
 Benzo(g,h,i)perylene
 Concen: 3.79 ng
 RT: 19.64 min Scan# 1641
 Delta R.T. -0.22 min
 Lab File: BF077565.D
 Acq: 4 Mar 2015 1:28

Instrument :
 BNA_F
 ClientSampleId :
 SB2RE

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.9	18.9	28.3
138	21.2	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

