

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
 Data File : BF077534.D
 Acq On : 2 Mar 2015 20:50
 Operator : TP/IZ
 Sample : G1399-08
 Misc : S
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB2

Quant Time: Mar 03 03:21:27 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	97499	20.00	ng	0.00
21) Naphthalene-d8	8.84	136	396459	20.00	ng	0.00
38) Acenaphthene-d10	11.01	164	194571	20.00	ng	0.00
63) Phenanthrene-d10	12.85	188	373825	20.00	ng	0.00
75) Chrysene-d12	16.15	240	429608	20.00	ng	0.02
86) Perylene-d12	17.93	264	432185	20.00	ng	0.10

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	321046	54.97	ng	0.00
7) Phenol-d6	6.82	99	415650	55.35	ng	0.00
23) Nitrobenzene-d5	7.95	82	243442	38.18	ng	0.00
41) 2,4,6-Tribromophenol	11.99	330	106275	56.73	ng	0.00
44) 2-Fluorobiphenyl	10.18	172	474305	38.01	ng	0.00
78) Terphenyl-d14	14.85	244	555232	30.21	ng	0.00

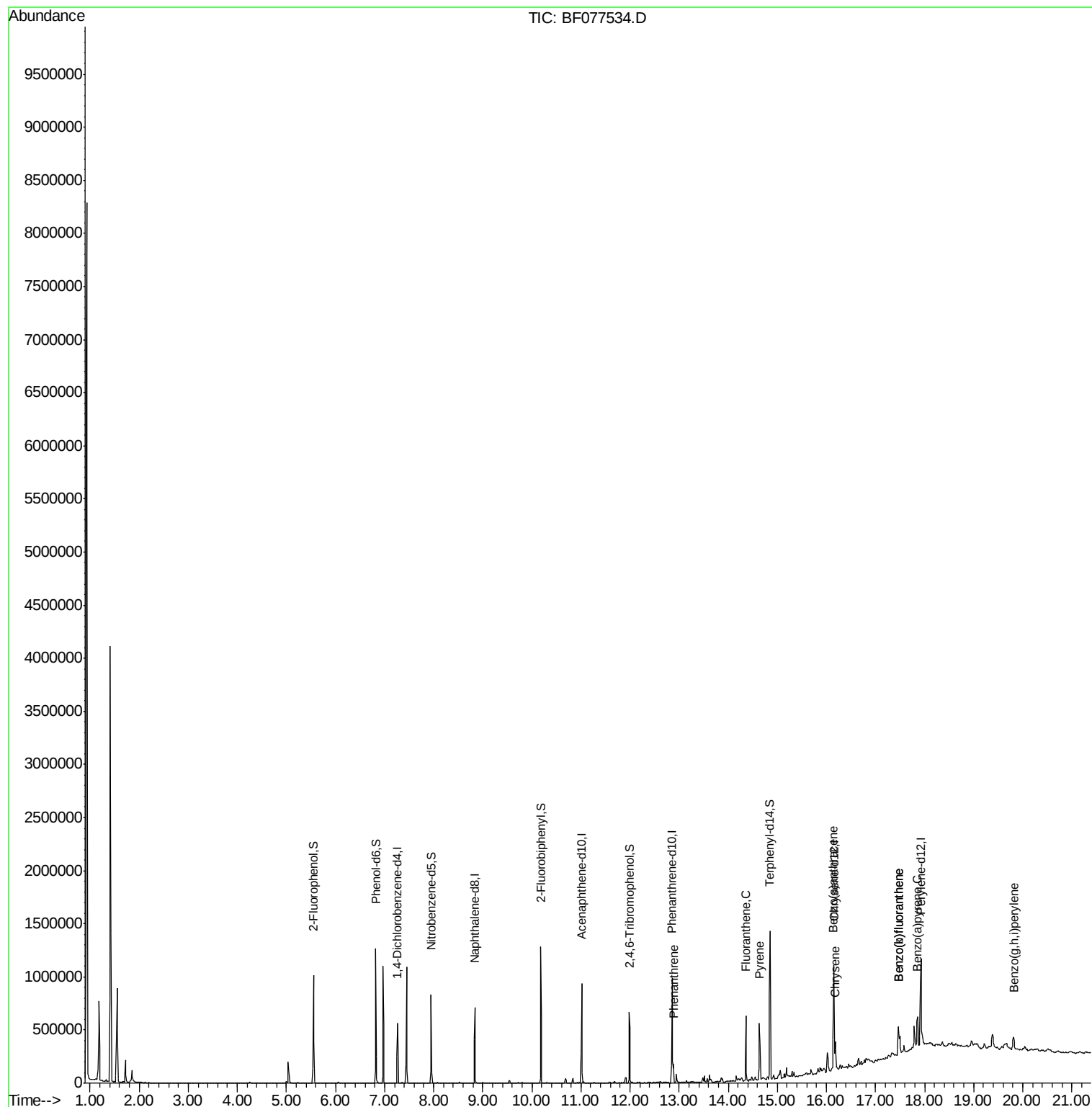
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
70) Phenanthrene	12.88	178	95532	4.41	ng	98
74) Fluoranthene	14.36	202	263963	11.15	ng	100
77) Pyrene	14.64	202	269775	10.27	ng	# 96
80) Benzo(a)anthracene	16.14	228	159767	6.35	ng	97
82) Chrysene	16.18	228	142257	6.02	ng	98
87) Benzo(b)fluoranthene	17.48	252	255586	10.17	ng	# 95
88) Benzo(k)fluoranthene	17.48	252	255902	10.39	ng	100
89) Benzo(a)pyrene	17.86	252	145971	6.10	ng	98
91) Benzo(g,h,i)perylene	19.81	276	87989	3.82	ng	97

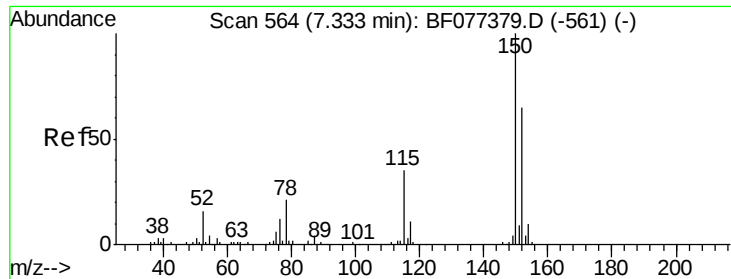
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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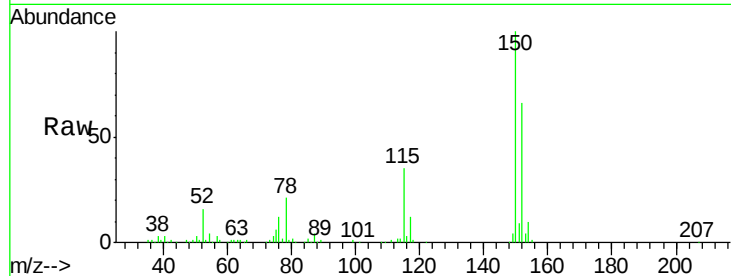


#1

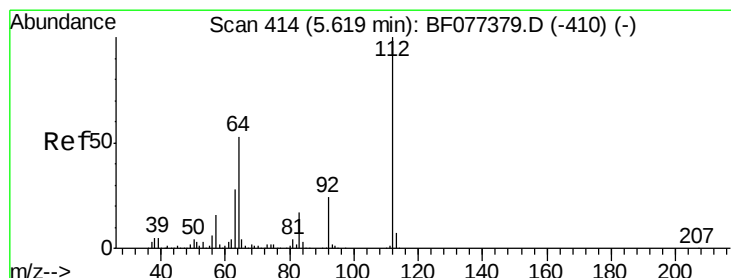
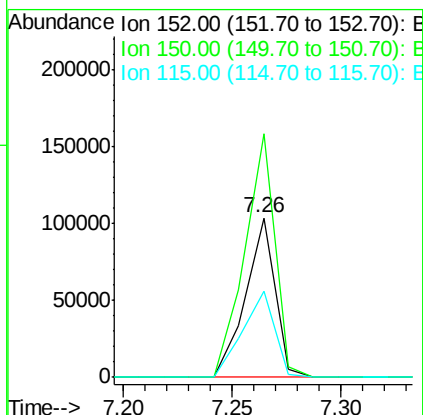
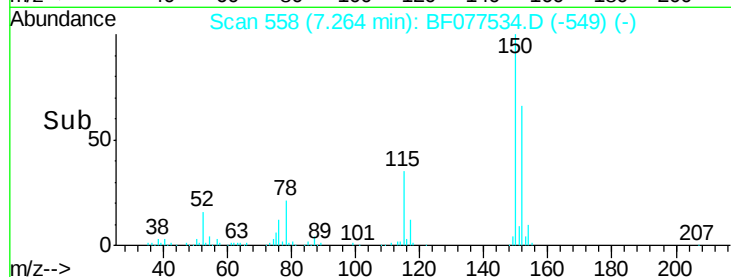
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.26 min Scan# 558
Delta R.T. 0.00 min
Lab File: BF077534.D
Acq: 2 Mar 2015 20:50

Instrument :
BNA_F
ClientSampleId :
SB2

Tgt Ion:152 Resp: 97499
Ion Ratio Lower Upper
152 100
150 152.7 124.0 186.0
115 53.7 49.4 74.2



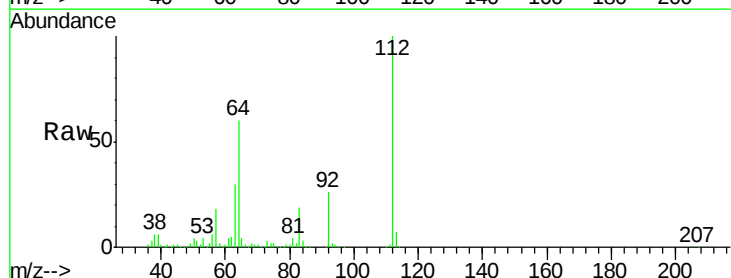
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



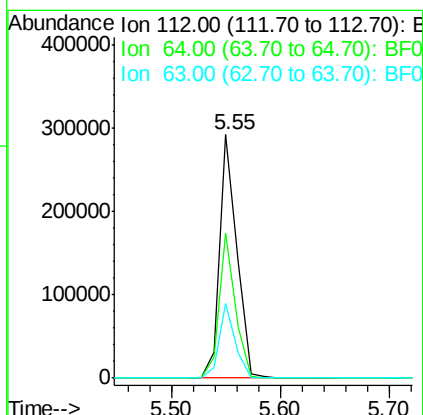
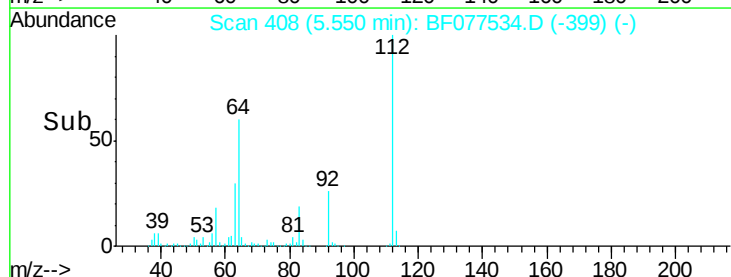
#5

2-Fluorophenol
Concen: 54.97 ng
RT: 5.55 min Scan# 408
Delta R.T. 0.01 min
Lab File: BF077534.D
Acq: 2 Mar 2015 20:50

Tgt Ion:112 Resp: 321046
Ion Ratio Lower Upper
112 100
64 59.8 48.5 72.7
63 30.5 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: 55.35 ng

RT: 6.82 min Scan# 519

Delta R.T. 0.00 min

Lab File: BF077534.D

Acq: 2 Mar 2015 20:50

Instrument :

BNA_F

ClientSampleId :

SB2

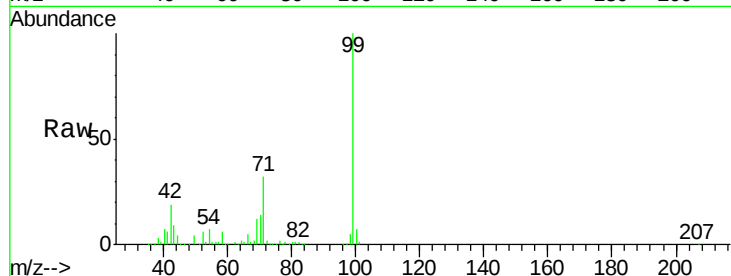
Tgt Ion: 99 Resp: 415650

Ion Ratio Lower Upper

99 100

42 18.5 16.2 24.4

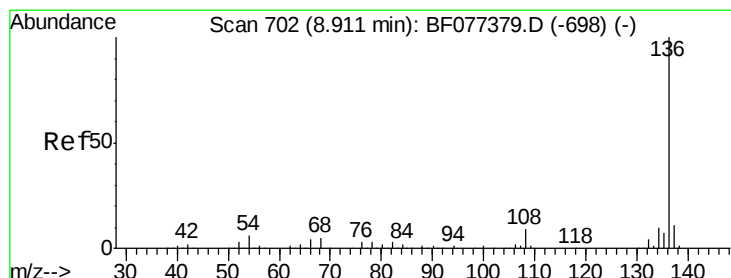
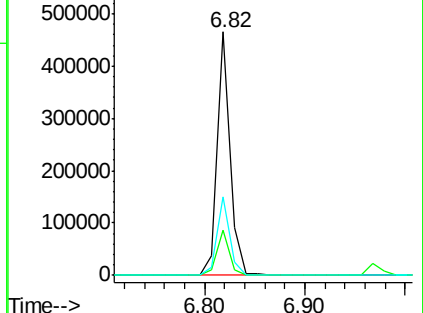
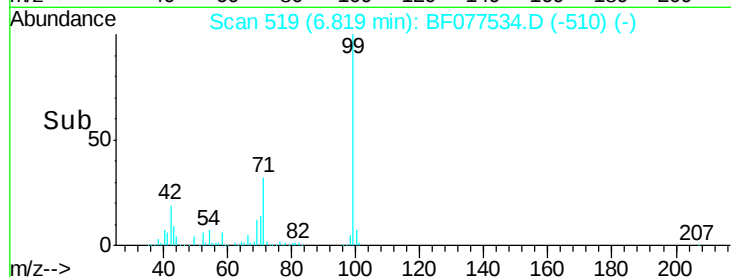
71 32.4 26.7 40.1



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: BF077534.D

Acq: 2 Mar 2015 20:50

Tgt Ion: 136 Resp: 396459

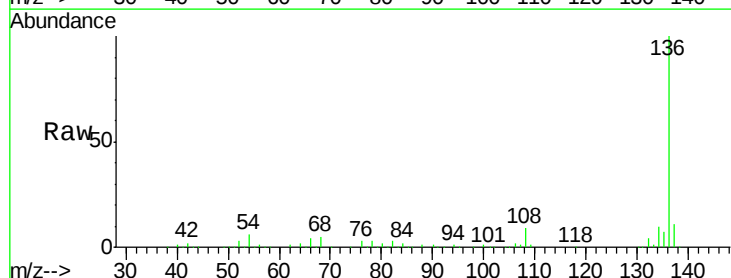
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 5.9 6.2 9.4#

68 4.8 5.0 7.6#

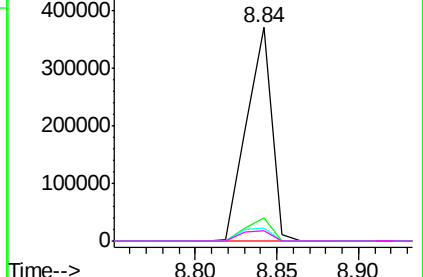
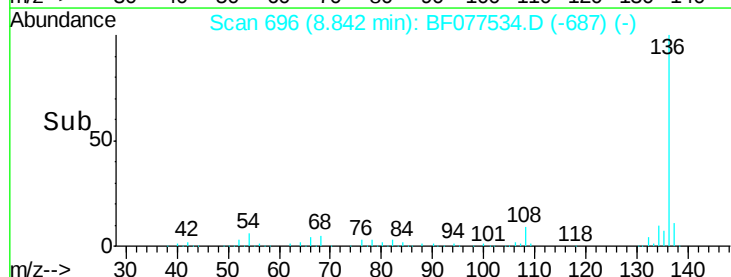


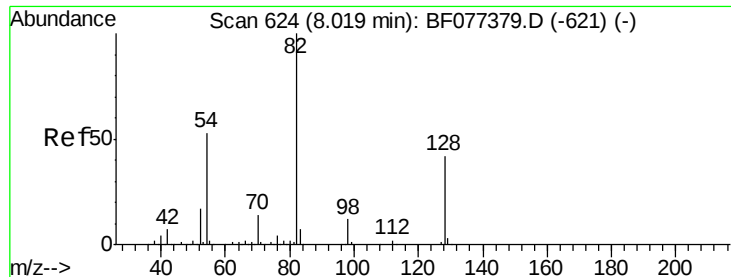
Abundance Ion 136.00 (135.70 to 136.70): E

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

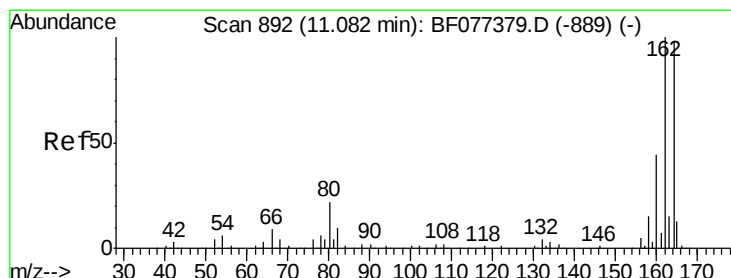
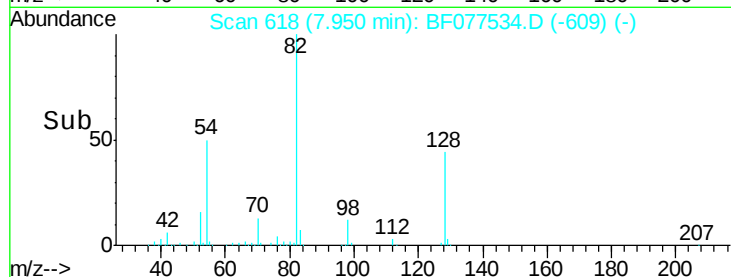
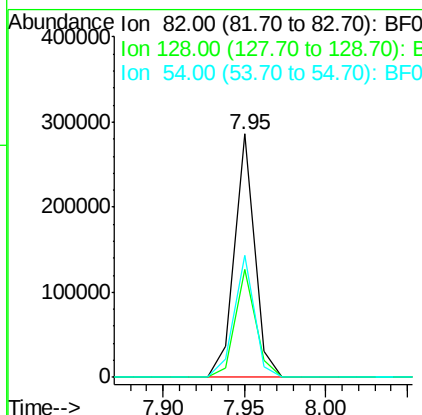
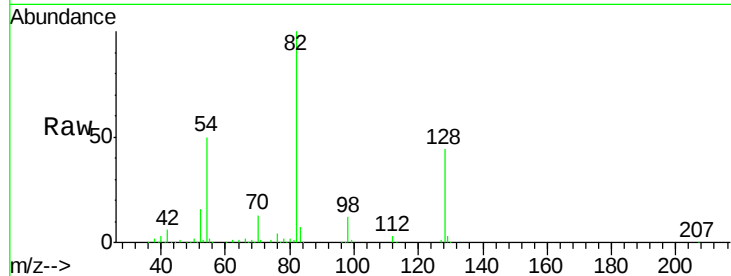




#23
 Nitrobenzene-d5
 Concen: 38.18 ng
 RT: 7.95 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: BF077534.D
 Acq: 2 Mar 2015 20:50

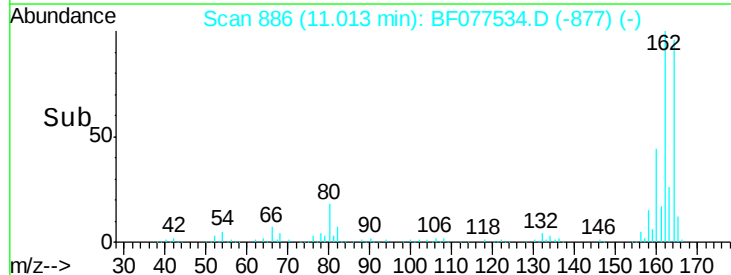
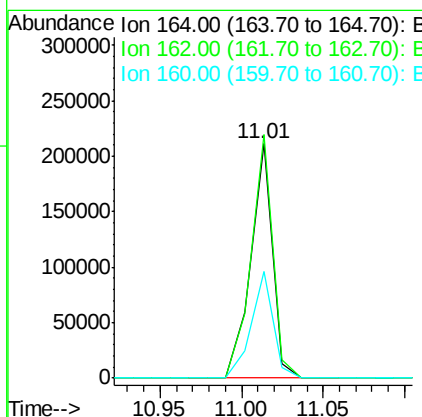
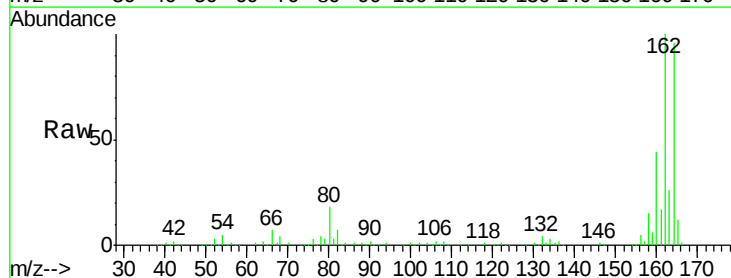
Instrument :
 BNA_F
 ClientSampleId :
 SB2

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.5	43.8	65.8
54	50.0	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: BF077534.D
 Acq: 2 Mar 2015 20:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.9	83.2	124.8
160	45.6	34.6	52.0

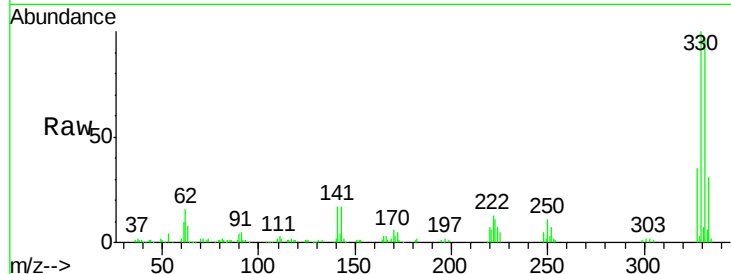




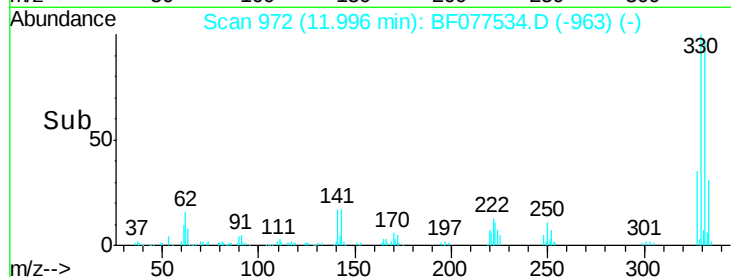
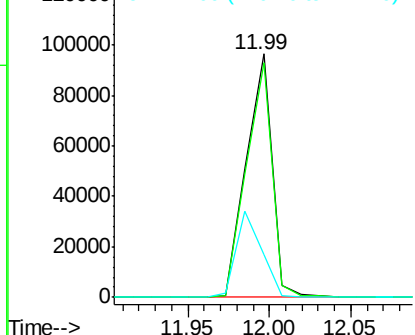
#41
 2,4,6-Tribromophenol
 Concen: 56.73 ng
 RT: 11.99 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: BF077534.D
 Acq: 2 Mar 2015 20:50

Instrument :
 BNA_F
 ClientSampleId :
 SB2

Tgt Ion:330 Resp: 106275
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.4 116.2
 141 35.0 28.8 43.2

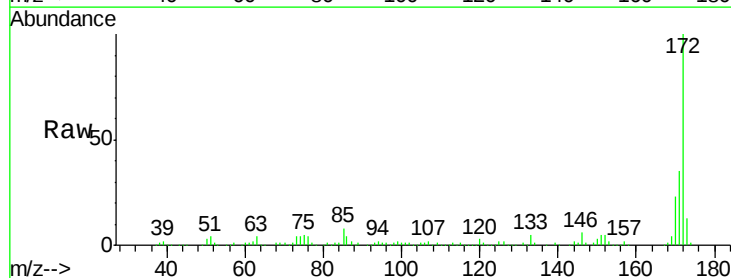


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

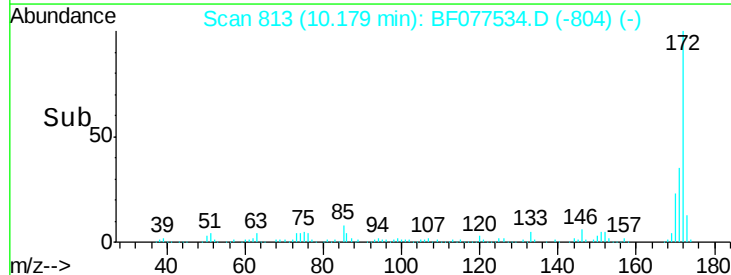
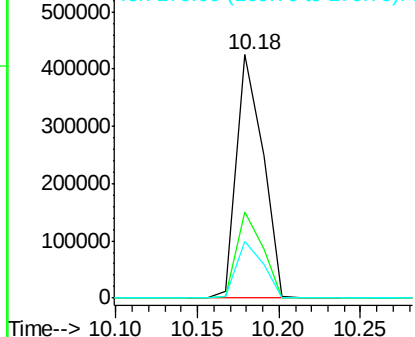


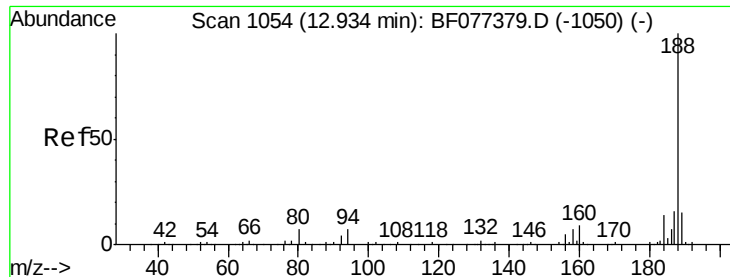
#44
 2-Fluorobiphenyl
 Concen: 38.01 ng
 RT: 10.18 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BF077534.D
 Acq: 2 Mar 2015 20:50

Tgt Ion:172 Resp: 474305
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.9 43.3
 170 23.4 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

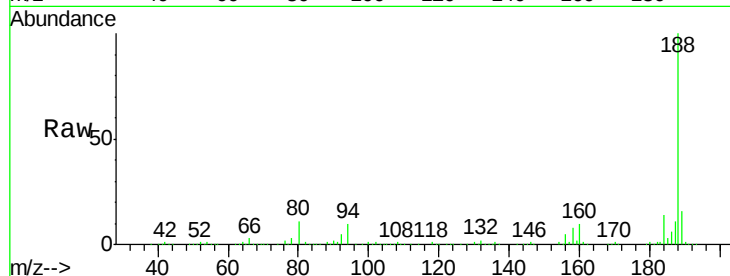




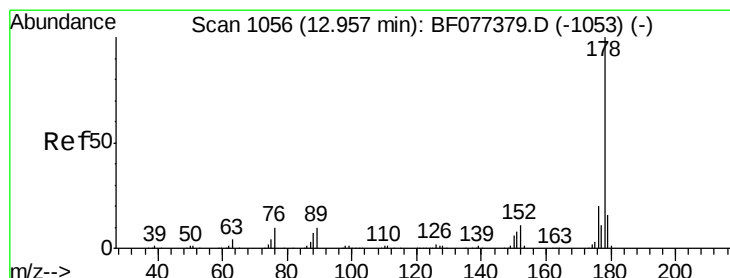
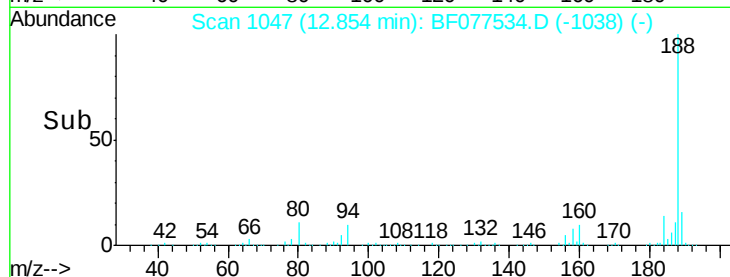
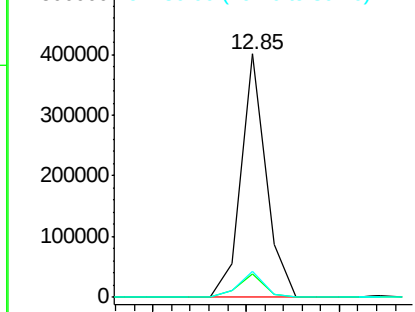
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.85 min Scan# 1047
Delta R.T. 0.01 min
Lab File: BF077534.D
Acq: 2 Mar 2015 20:50

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:188 Resp: 373825
Ion Ratio Lower Upper
188 100
94 9.6 7.4 11.2
80 10.8 8.0 12.0

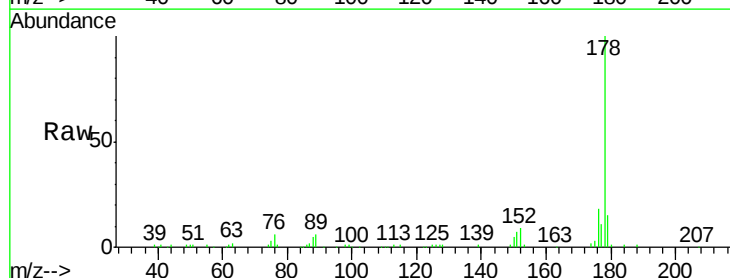


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

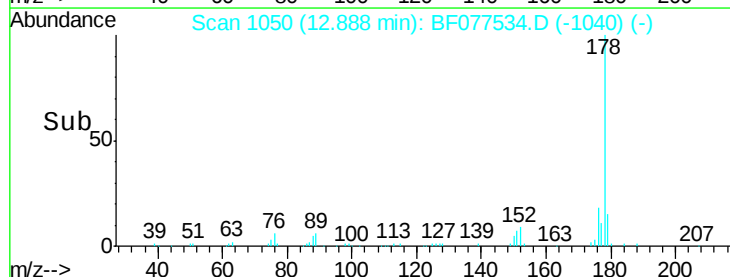
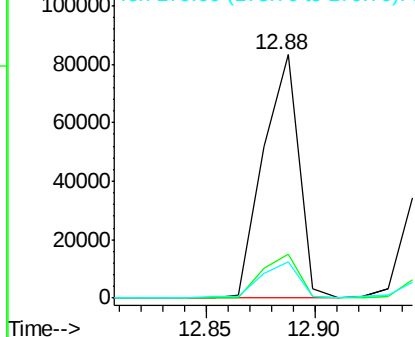


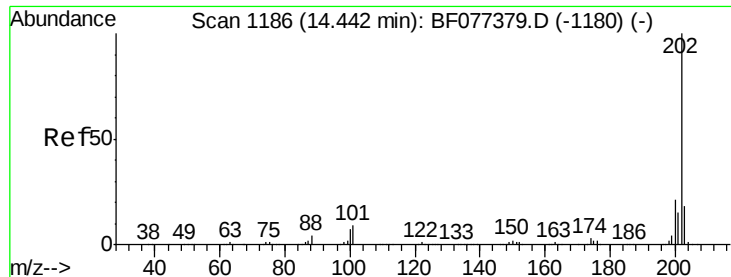
#70
Phenanthrene
Concen: 4.41 ng
RT: 12.88 min Scan# 1050
Delta R.T. 0.00 min
Lab File: BF077534.D
Acq: 2 Mar 2015 20:50

Tgt Ion:178 Resp: 95532
Ion Ratio Lower Upper
178 100
176 18.3 15.5 23.3
179 14.9 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

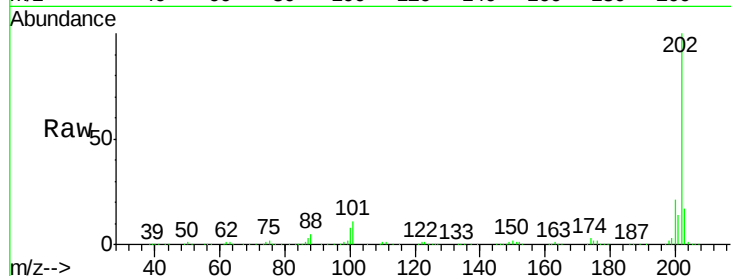




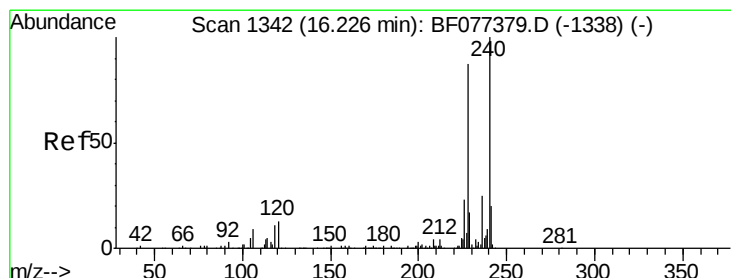
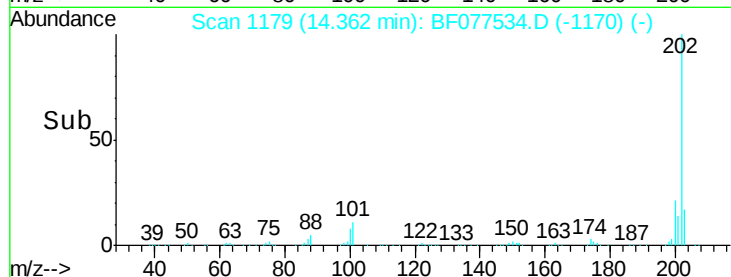
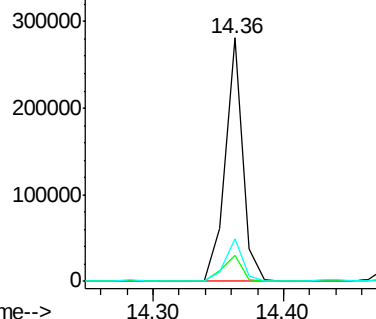
#74
Fluoranthene
Concen: 11.15 ng
RT: 14.36 min Scan# 1179
Delta R.T. 0.01 min
Lab File: BF077534.D
Acq: 2 Mar 2015 20:50

Instrument :
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ClientSampleId :
SB2

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	30.8
203	17.5	0.0	37.7

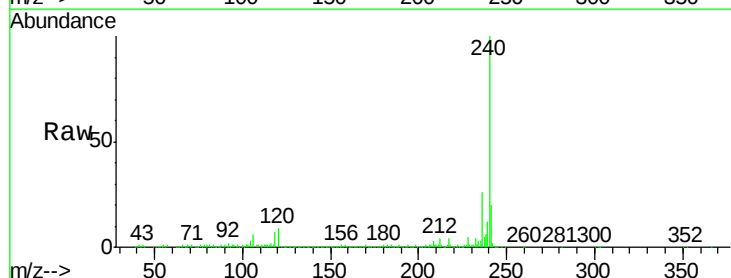


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

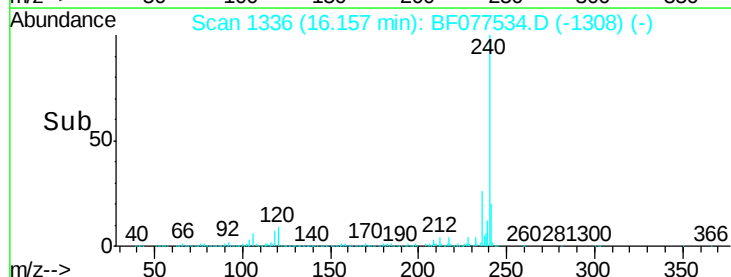
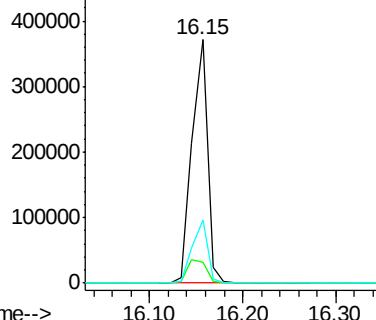


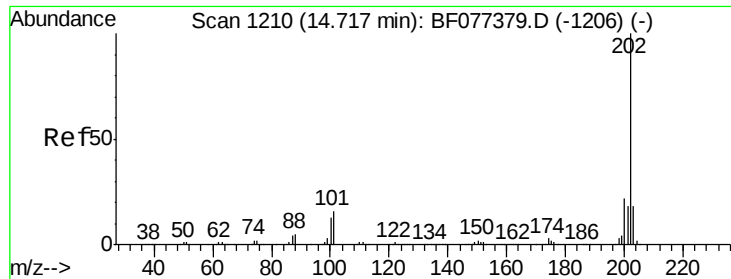
#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.15 min Scan# 1336
Delta R.T. 0.02 min
Lab File: BF077534.D
Acq: 2 Mar 2015 20:50

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.7	8.8	13.2#
236	25.9	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

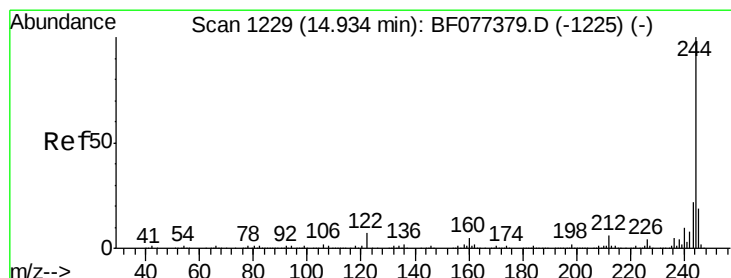
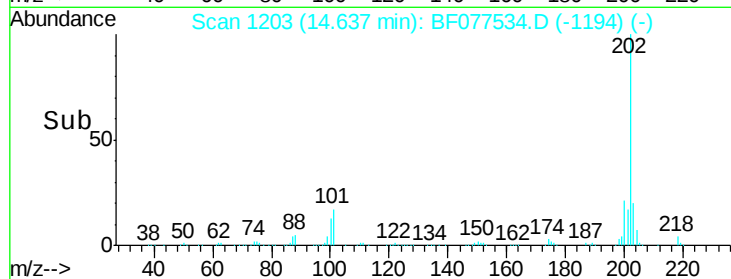
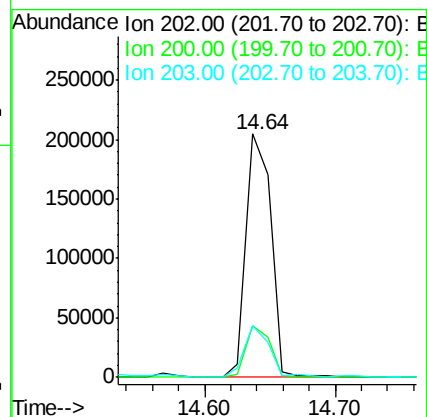
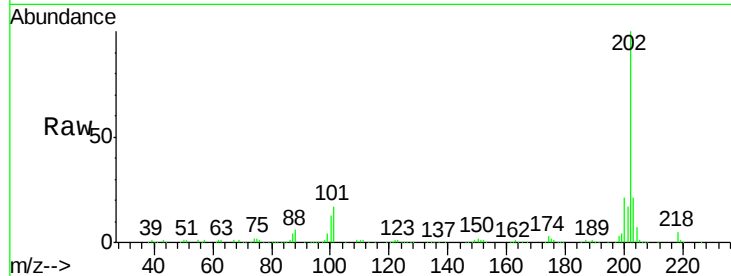




#77
 Pyrene
 Concen: 10.27 ng
 RT: 14.64 min Scan# 1203
 Delta R.T. 0.01 min
 Lab File: BF077534.D
 Acq: 2 Mar 2015 20:50

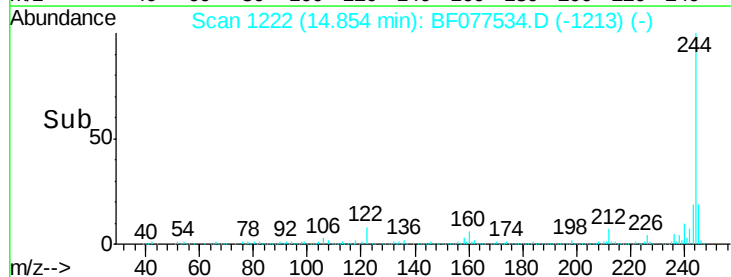
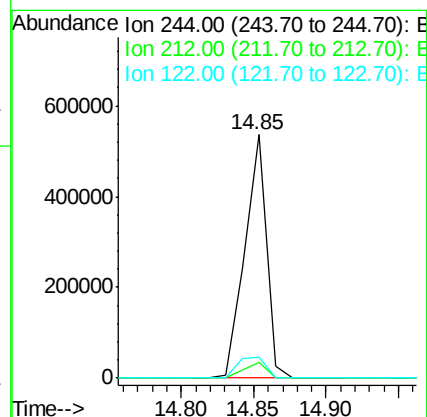
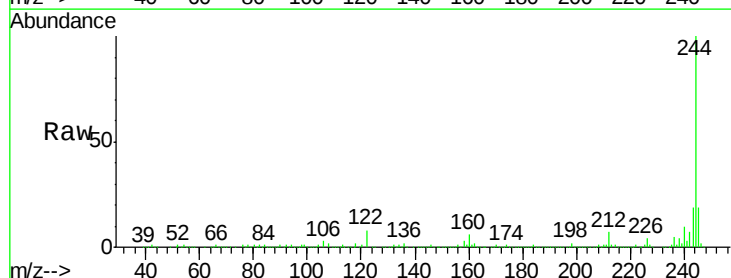
Instrument :
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 SB2

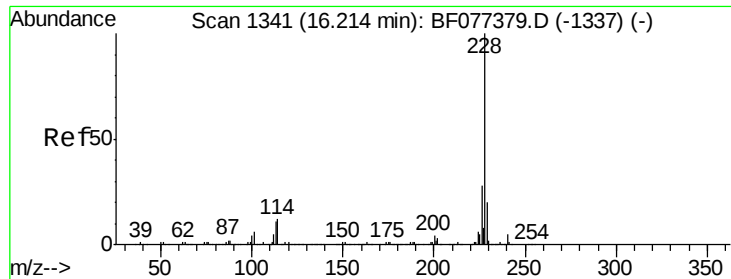
Tgt Ion: 202 Resp: 269775
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.1 25.7
 203 21.3 14.2 21.2#



#78
 Terphenyl-d14
 Concen: 30.21 ng
 RT: 14.85 min Scan# 1222
 Delta R.T. 0.00 min
 Lab File: BF077534.D
 Acq: 2 Mar 2015 20:50

Tgt Ion: 244 Resp: 555232
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.2 7.8
 122 8.5 7.8 11.8





#80

Benzo(a)anthracene

Concen: 6.35 ng

RT: 16.14 min Scan# 1335

Delta R.T. 0.02 min

Lab File: BF077534.D

Acq: 2 Mar 2015 20:50

Instrument :

BNA_F

ClientSampleId :

SB2

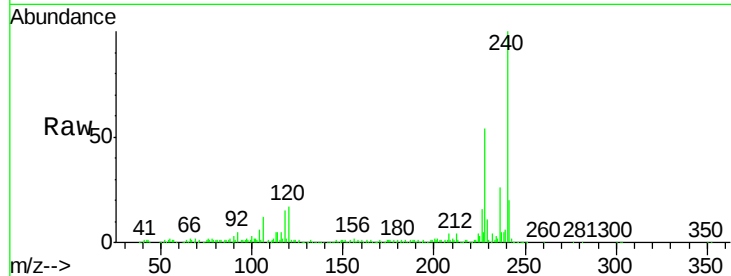
Tgt Ion:228 Resp: 159767

Ion Ratio Lower Upper

228 100

226 29.2 22.0 33.0

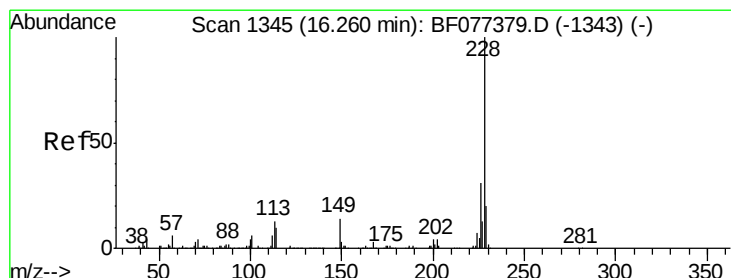
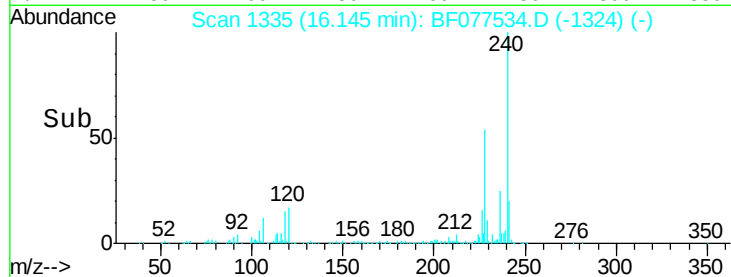
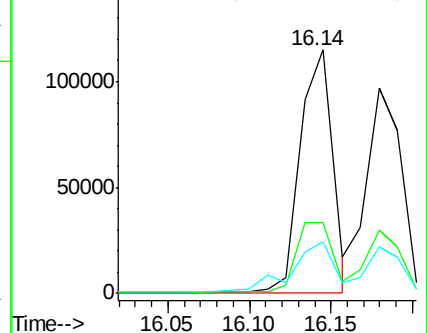
229 21.0 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 6.02 ng

RT: 16.18 min Scan# 1338

Delta R.T. 0.01 min

Lab File: BF077534.D

Acq: 2 Mar 2015 20:50

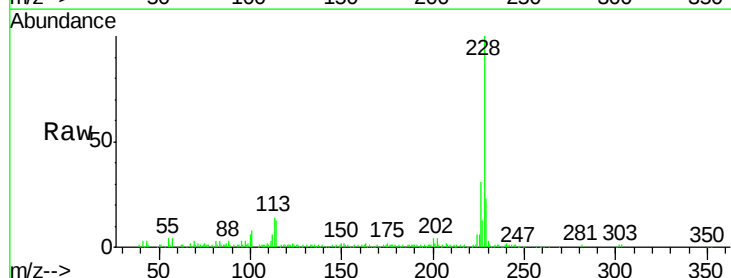
Tgt Ion:228 Resp: 142257

Ion Ratio Lower Upper

228 100

226 30.8 24.9 37.3

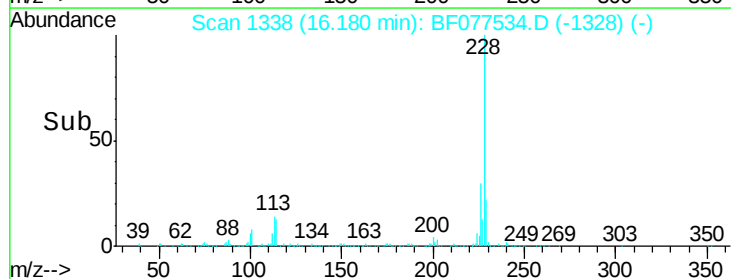
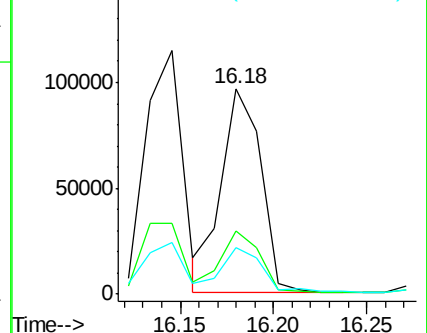
229 22.9 16.4 24.6

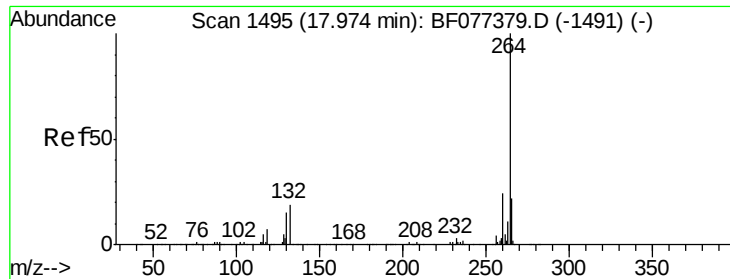


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

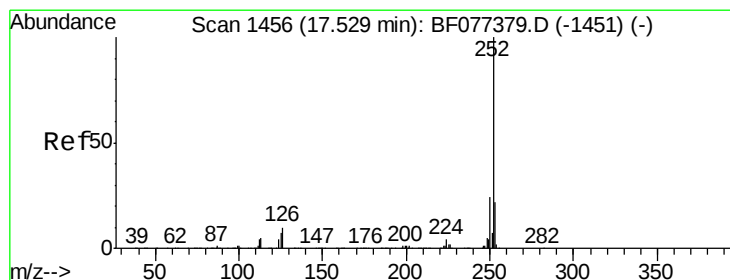
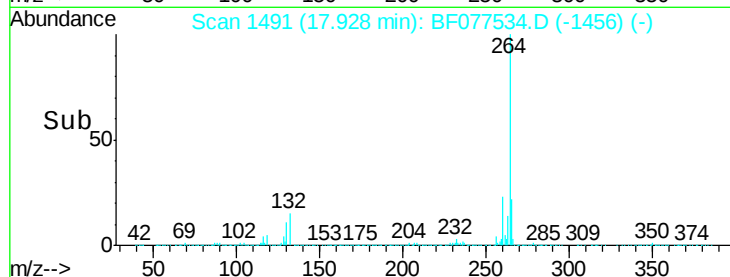
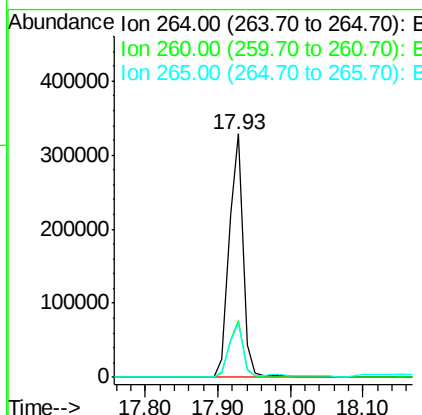
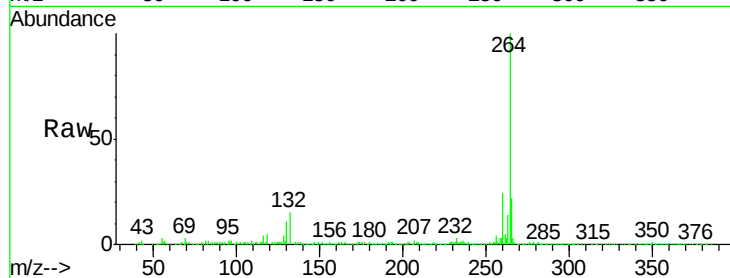




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.93 min Scan# 1491
Delta R.T. 0.10 min
Lab File: BF077534.D
Acq: 2 Mar 2015 20:50

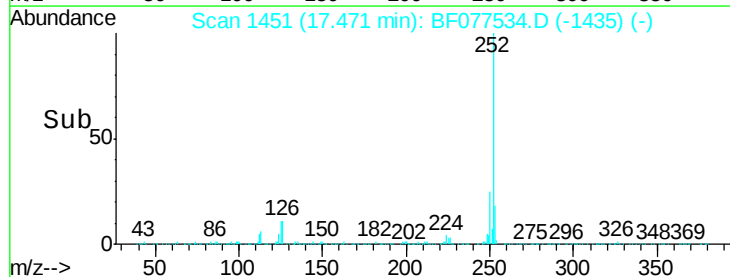
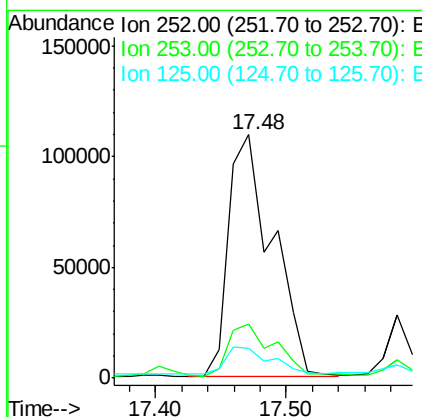
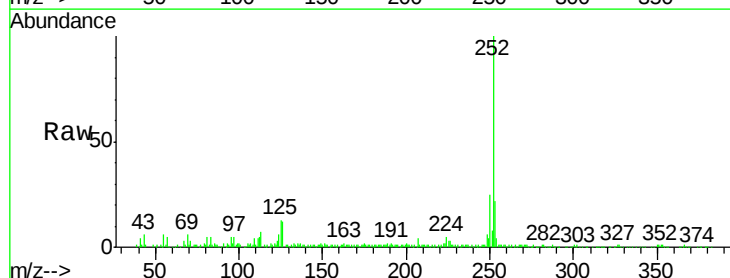
Instrument :
BNA_F
ClientSampleId :
SB2

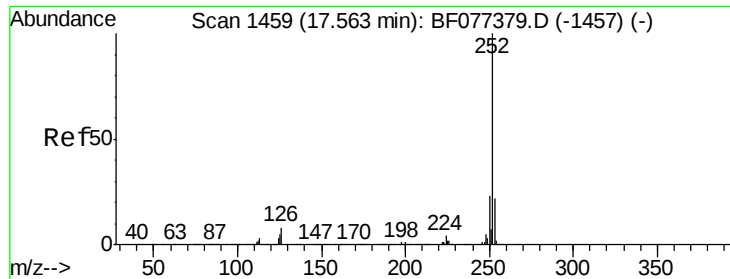
Tgt Ion:264 Resp: 432185
Ion Ratio Lower Upper
264 100
260 23.5 19.3 28.9
265 22.1 16.8 25.2



#87
Benzo(b)fluoranthene
Concen: 10.17 ng
RT: 17.48 min Scan# 1451
Delta R.T. 0.09 min
Lab File: BF077534.D
Acq: 2 Mar 2015 20:50

Tgt Ion:252 Resp: 255586
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 12.5 5.4 8.2#

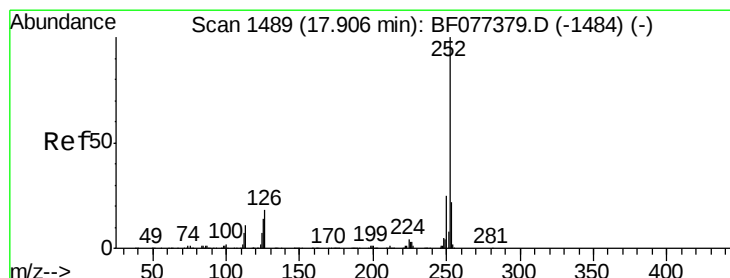
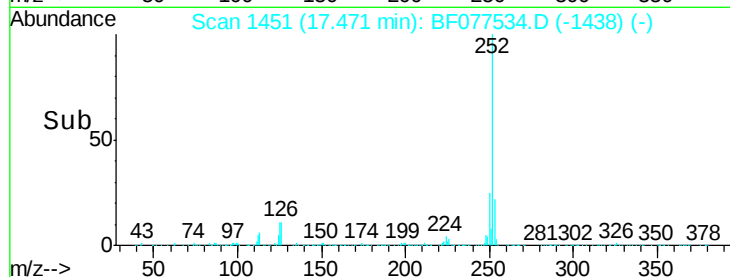
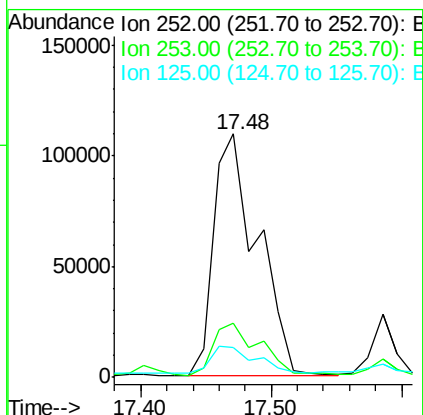
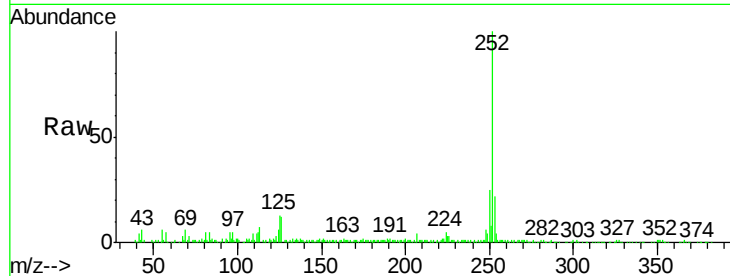




#88
Benzo(k)fluoranthene
Concen: 10.39 ng
RT: 17.48 min Scan# 1451
Delta R.T. 0.05 min
Lab File: BF077534.D
Acq: 2 Mar 2015 20:50

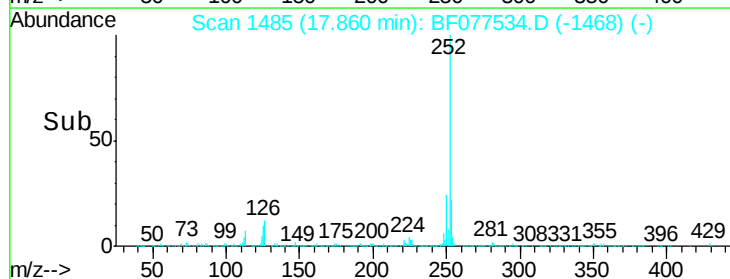
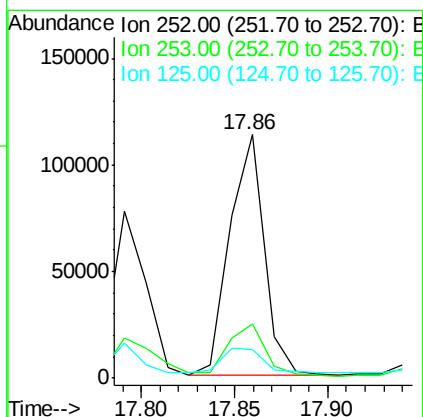
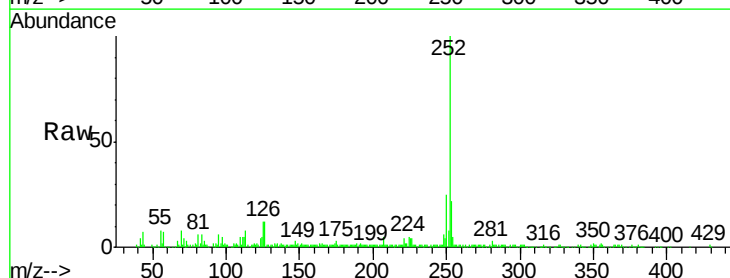
Instrument :
BNA_F
ClientSampled :
SB2

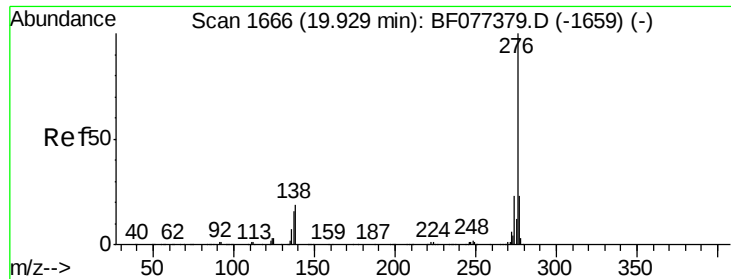
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	12.5	10.1	15.1



#89
Benzo(a)pyrene
Concen: 6.10 ng
RT: 17.86 min Scan# 1485
Delta R.T. 0.09 min
Lab File: BF077534.D
Acq: 2 Mar 2015 20:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	11.5	8.3	12.5





#91

Benzo(g,h,i)perylene

Concen: 3.82 ng

RT: 19.81 min Scan# 1656

Delta R.T. 0.11 min

Lab File: BF077534.D

Acq: 2 Mar 2015 20:50

Instrument :

BNA_F

ClientSampleId :

SB2

Tgt Ion: 276 Resp: 87989

Ion Ratio Lower Upper

276 100

277 24.8 18.9 28.3

138 24.0 20.5 30.7

