

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
 Data File : BF077077.D
 Acq On : 27 Jan 2015 7:07
 Operator : TP/IZ
 Sample : G1137-02
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 104B1B

Manual Integrations
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Quant Time: Jan 28 13:15:07 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 28 04:24:51 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	25717	20.00	ng	0.02
21) Naphthalene-d8	10.77	136	109467m	20.00	ng	0.09
38) Acenaphthene-d10	14.95	164	46886m	20.00	ng	0.15
63) Phenanthrene-d10	17.74	188	83126m	20.00	ng	0.10
75) Chrysene-d12	21.17	240	81583	20.00	ng	0.03
86) Perylene-d12	22.80	264	76376	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.80	112	201478	128.81	ng	0.00
7) Phenol-d6	7.20	99	250811	127.11	ng	0.02
23) Nitrobenzene-d5	9.10	82	132134	66.87	ng	0.03
41) 2,4,6-Tribromophenol	16.64	330	58575m	153.91	ng	0.13
44) 2-Fluorobiphenyl	13.43	172	302106m	98.06	ng	0.10
78) Terphenyl-d14	19.93	244	311552	87.92	ng	0.06
Target Compounds						
31) Naphthalene	10.81	128	2146374m	380.85	ng	Qvalue
37) 2-Methylnaphthalene	12.54	142	5410721m	1405.81	ng	
45) 1,1'-Biphenyl	13.66	154	335604m	96.55	ng	
51) Acenaphthene	15.02	154	268208m	97.98	ng	
57) Fluorene	16.19	166	643775m	190.56	ng	# 90
70) Phenanthrene	17.79	178	1691932	326.38	ng	
77) Pyrene	19.67	202	368638	65.93	ng	# 77

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

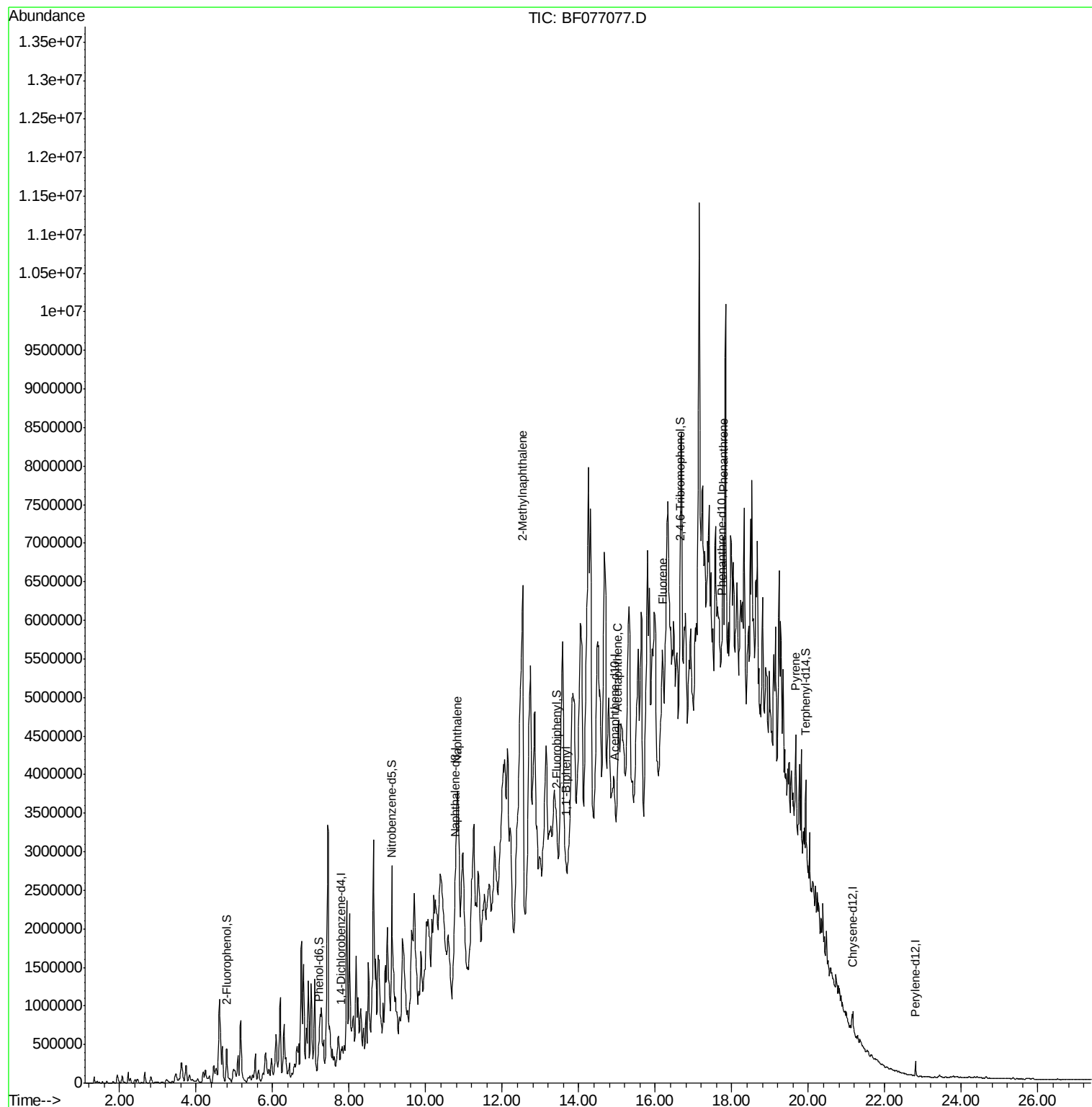
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077077.D
Acq On : 27 Jan 2015 7:07
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Sample : G1137-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

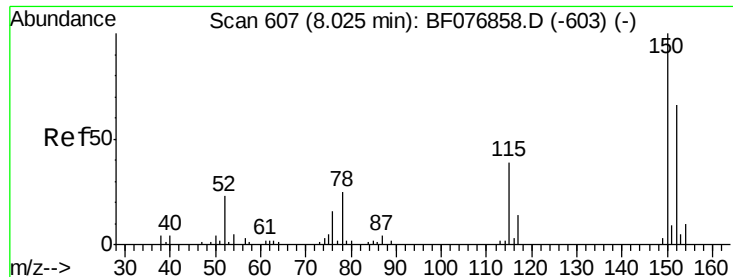
Instrument :
BNA_F
ClientSampleId :
104B1B

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Quant Time: Jan 28 13:15:07 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 28 04:24:51 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.78 min Scan# 586

Delta R.T. 0.02 min

Lab File: BF077077.D

Acq: 27 Jan 2015 7:07

Instrument :

BNA_F

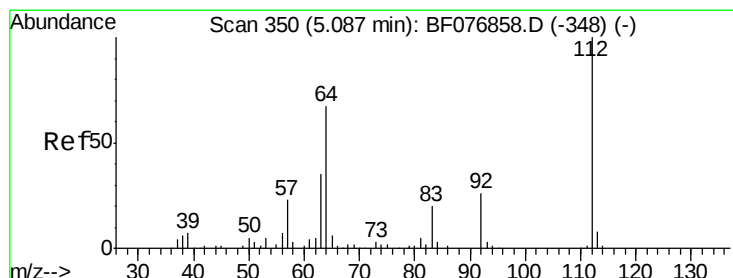
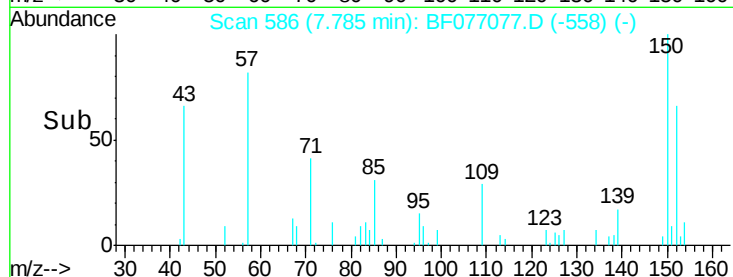
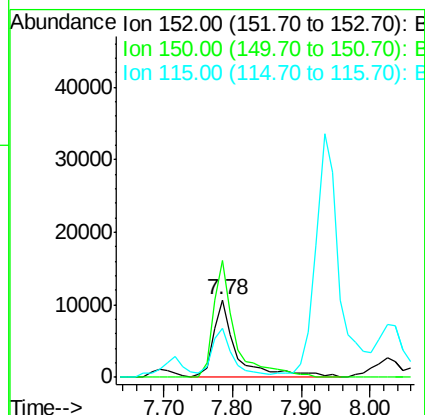
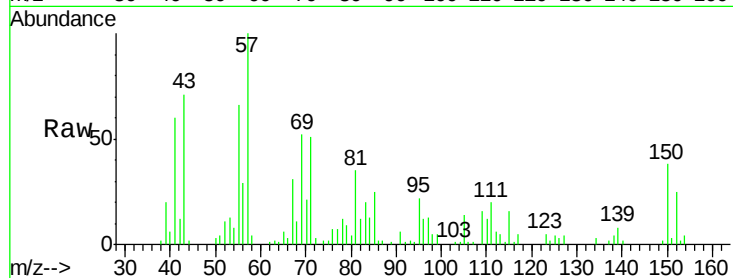
ClientSampleId :

104B1B

Tgt Ion:	152	Resp:	25717
Ion Ratio	Lower	Upper	
152	100		
150	151.3	121.7	182.5
115	63.6	47.0	70.6

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#5

2-Fluorophenol

Concen: 128.81 ng

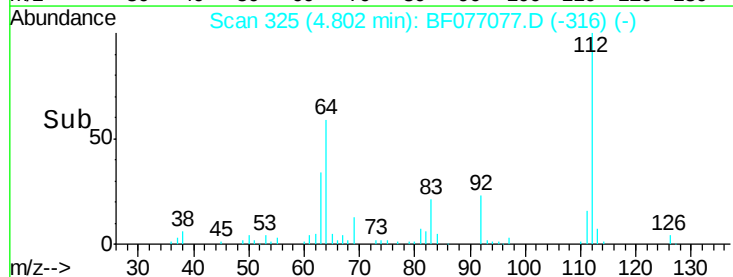
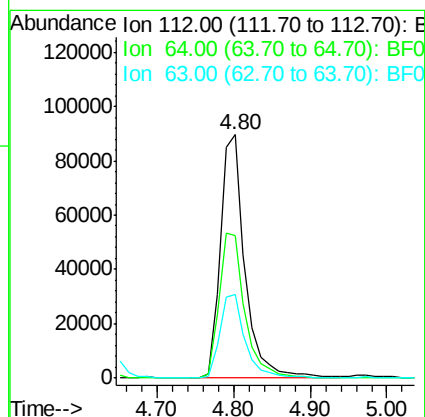
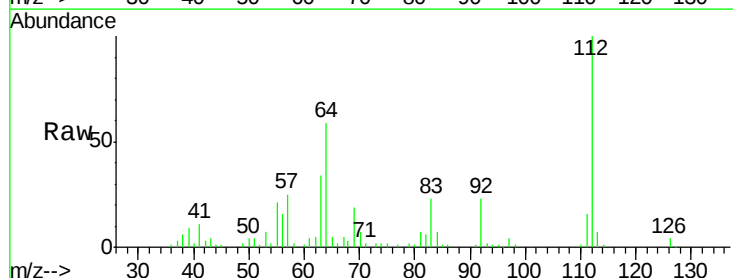
RT: 4.80 min Scan# 325

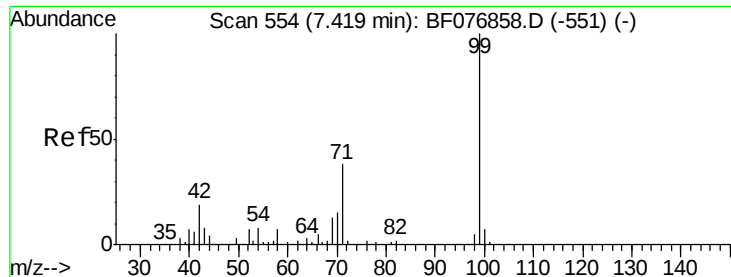
Delta R.T. 0.00 min

Lab File: BF077077.D

Acq: 27 Jan 2015 7:07

Tgt Ion:	112	Resp:	201478
Ion Ratio	Lower	Upper	
112	100		
64	58.7	54.2	81.4
63	34.1	28.4	42.6





#7

Phenol-d6

Concen: 127.11 ng

RT: 7.20 min Scan# 535

Delta R.T. 0.02 min

Lab File: BF077077.D

Acq: 27 Jan 2015 7:07

Instrument :

BNA_F

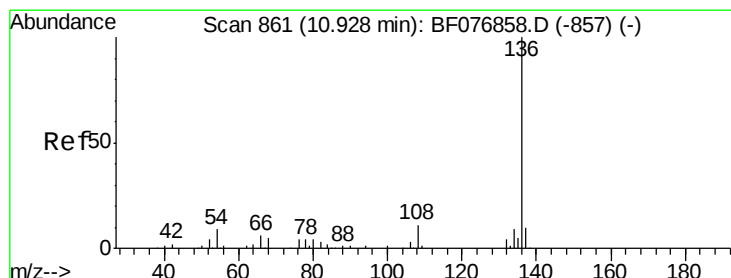
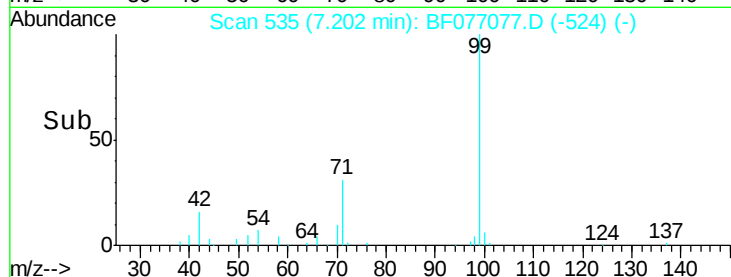
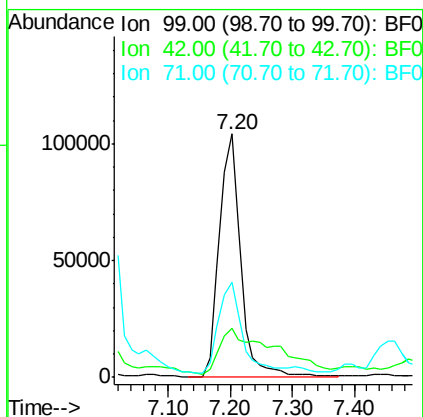
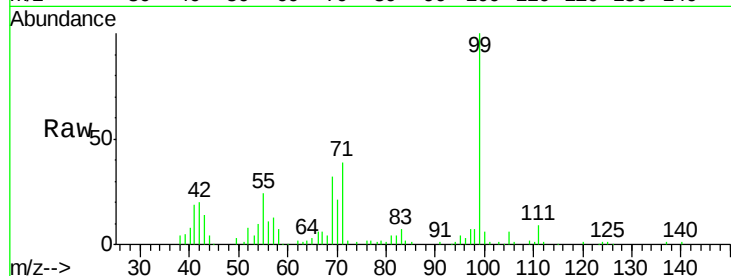
ClientSampleId :

104B1B

Tgt Ion:	99	Resp:	250811
Ion Ratio	Lower	Upper	
99	100		
42	20.3	15.0	22.4
71	39.0	30.5	45.7

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#21

Naphthalene-d8

Concen: 20.00 ng m

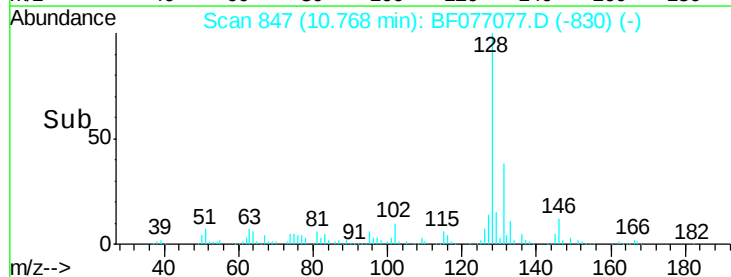
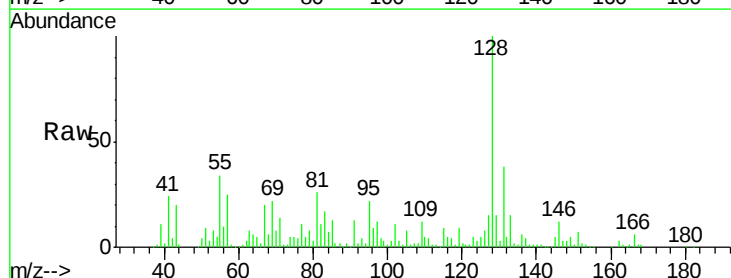
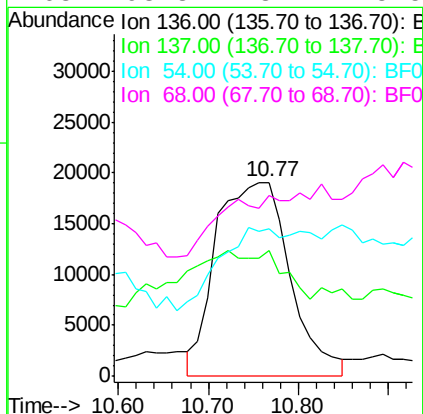
RT: 10.77 min Scan# 847

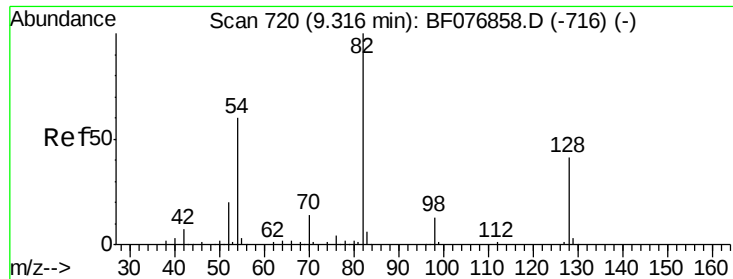
Delta R.T. 0.09 min

Lab File: BF077077.D

Acq: 27 Jan 2015 7:07

Tgt Ion:	136	Resp:	109467
Ion Ratio	Lower	Upper	
136	100		
137	64.4	8.1	12.1#
54	76.0	7.0	10.4#
68	93.3	3.7	5.5#





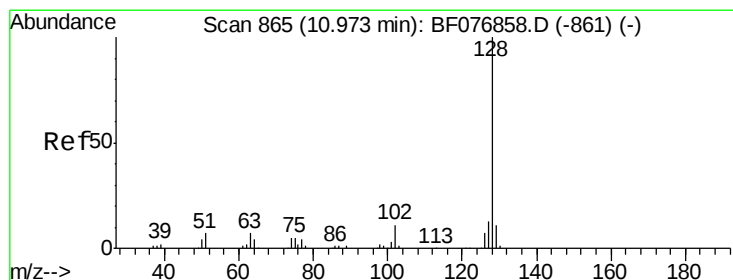
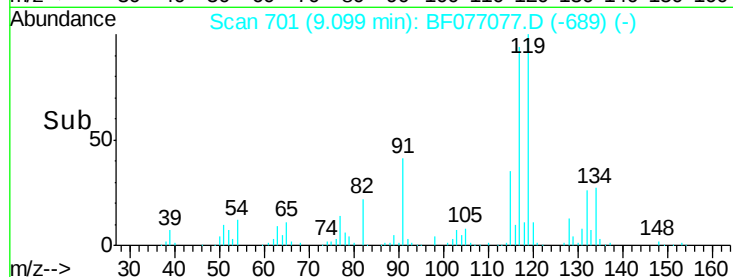
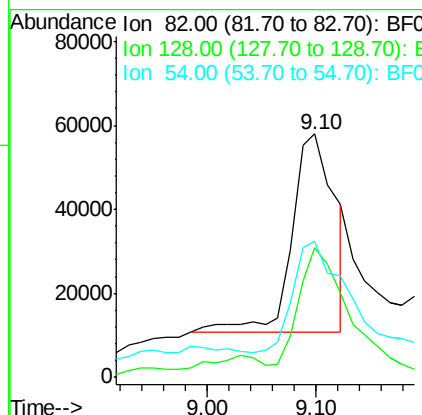
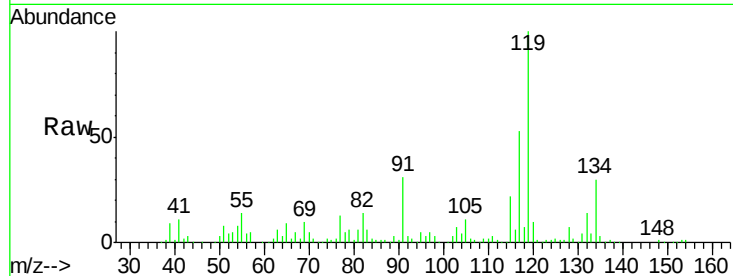
#23
Nitrobenzene-d5
Concen: 66.87 ng
RT: 9.10 min Scan# 701
Delta R.T. 0.03 min
Lab File: BF077077.D
Acq: 27 Jan 2015 7:07

Instrument :
BNA_F
ClientSampleId :
104B1B

Tgt Ion	Ratio	Lower	Upper
82	100		
128	53.0	33.1	49.7#
54	55.7	48.3	72.5

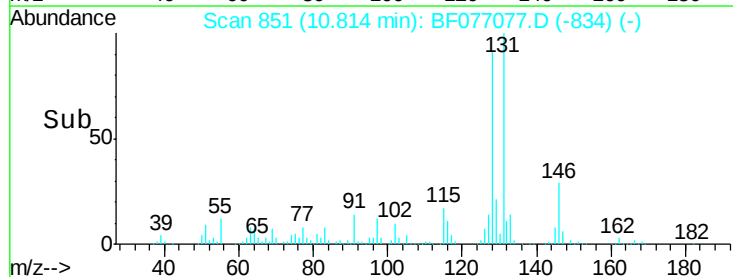
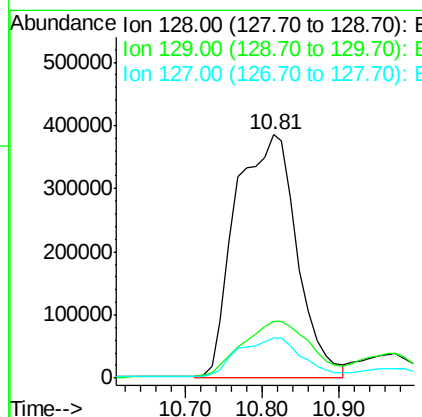
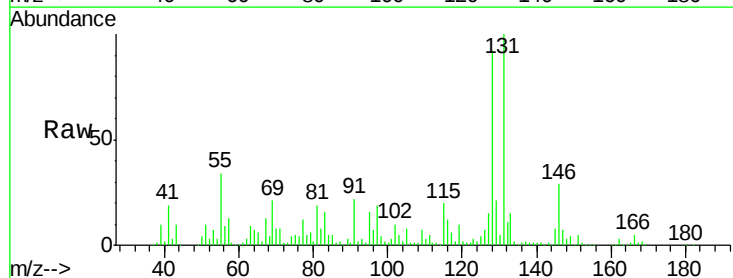
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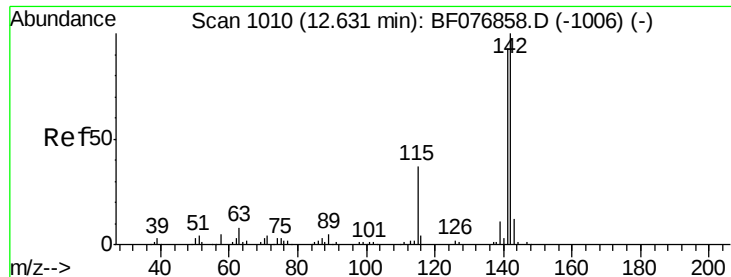
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#31
Naphthalene
Concen: 380.85 ng m
RT: 10.81 min Scan# 851
Delta R.T. 0.09 min
Lab File: BF077077.D
Acq: 27 Jan 2015 7:07

Tgt Ion	Ratio	Lower	Upper
128	100		
129	23.2	9.0	13.6#
127	16.3	10.2	15.2#





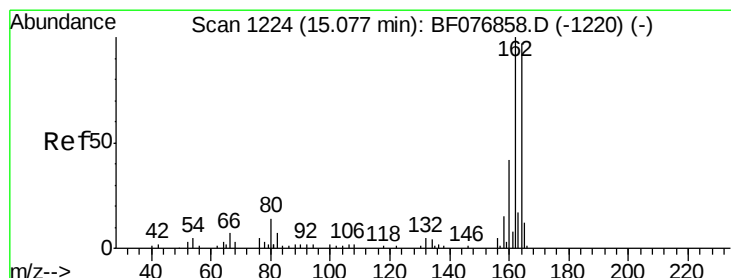
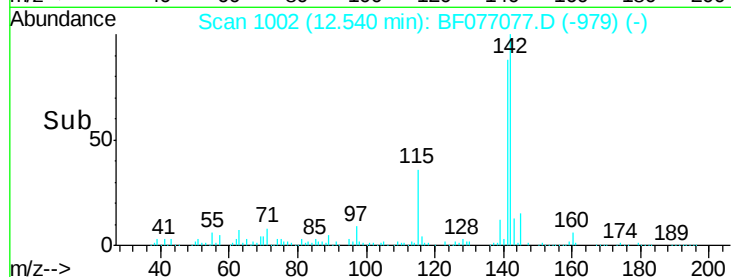
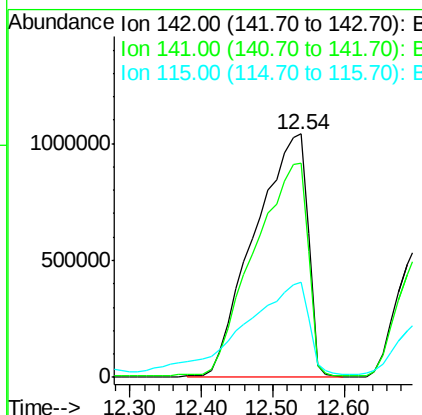
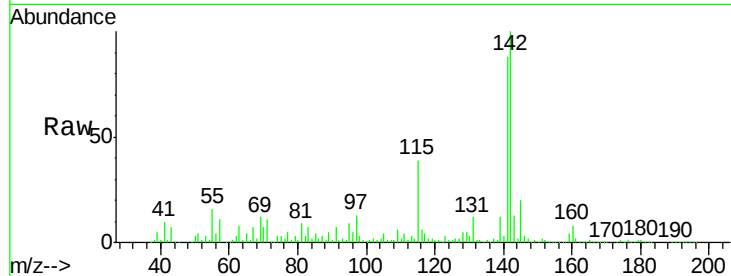
#37
 2-Methylnaphthalene
 Concen: 1405.81 ng m
 RT: 12.54 min Scan# 1002
 Delta R.T. 0.16 min
 Lab File: BF077077.D
 Acq: 27 Jan 2015 7:07

Instrument :
 BNA_F
 ClientSampled :
 104B1B

Tgt Ion:142 Resp: 5410721
 Ion Ratio Lower Upper
 142 100
 141 88.2 74.5 111.7
 115 39.2 29.7 44.5

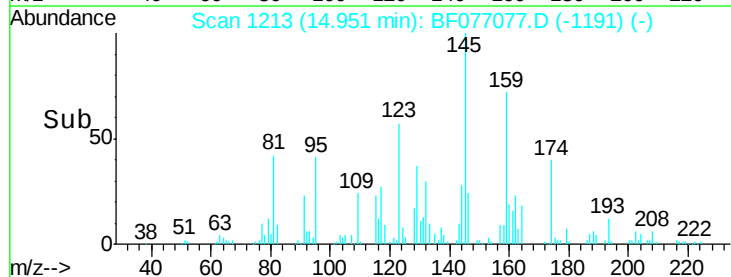
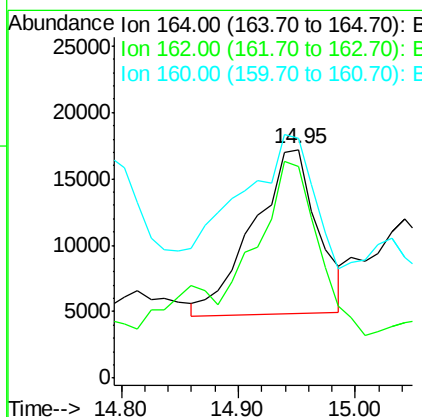
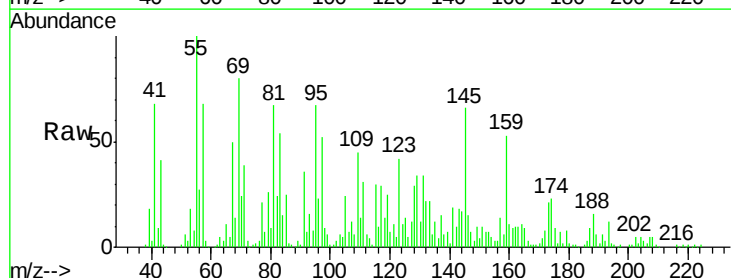
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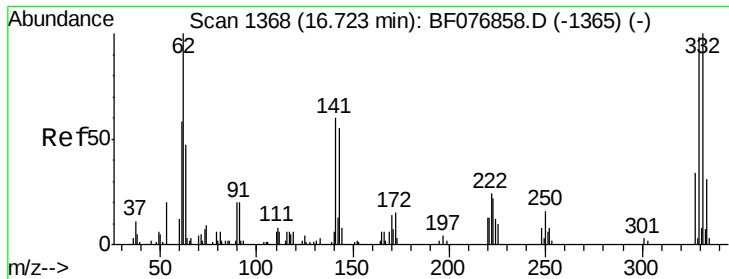
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#38
 Acenaphthene-d10
 Concen: 20.00 ng m
 RT: 14.95 min Scan# 1213
 Delta R.T. 0.15 min
 Lab File: BF077077.D
 Acq: 27 Jan 2015 7:07

Tgt Ion:164 Resp: 46886
 Ion Ratio Lower Upper
 164 100
 162 92.8 82.4 123.6
 160 104.7 34.8 52.2#





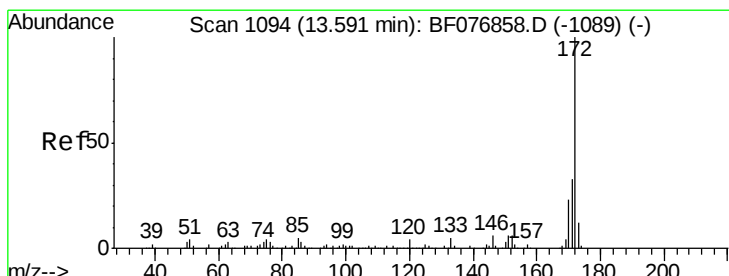
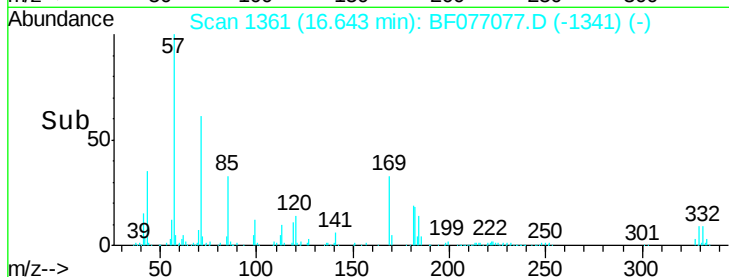
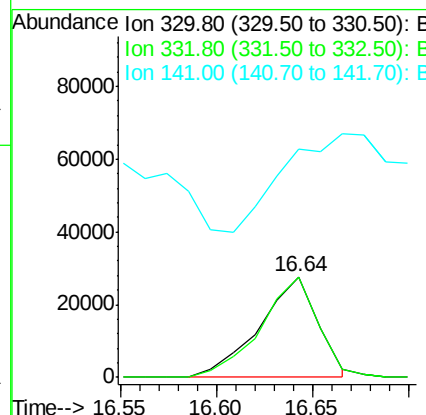
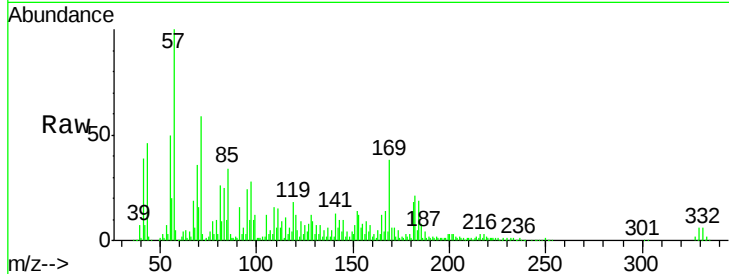
#41
 2,4,6-Tribromophenol
 Concen: 153.91 ng m
 RT: 16.64 min Scan# 1361
 Delta R.T. 0.13 min
 Lab File: BF077077.D
 Acq: 27 Jan 2015 7:07

Instrument :
 BNA_F
 ClientSampled :
 104B1B

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	58575		
332	0.0	77.8	116.6#	
141	0.0	38.5	57.7#	

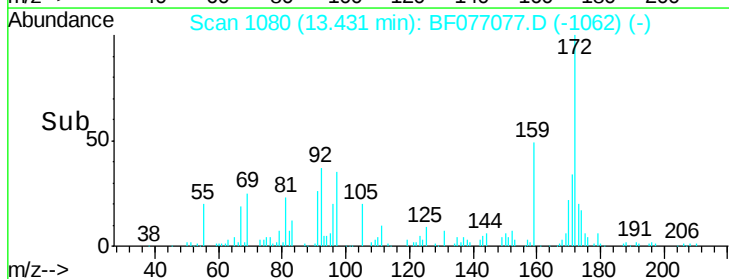
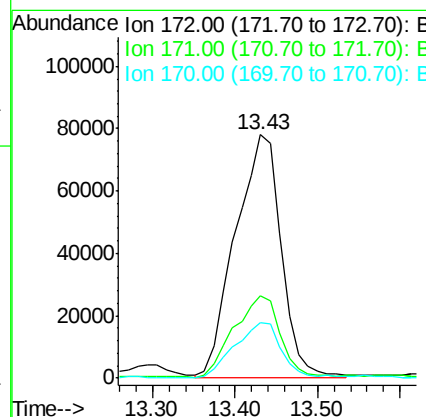
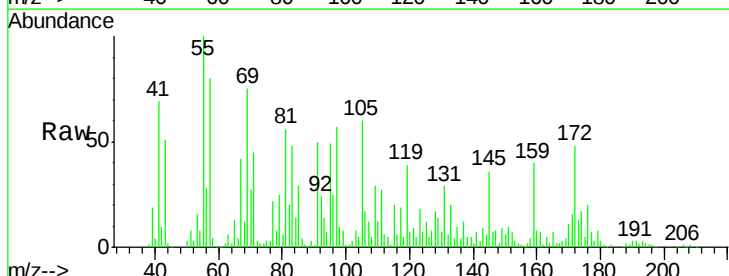
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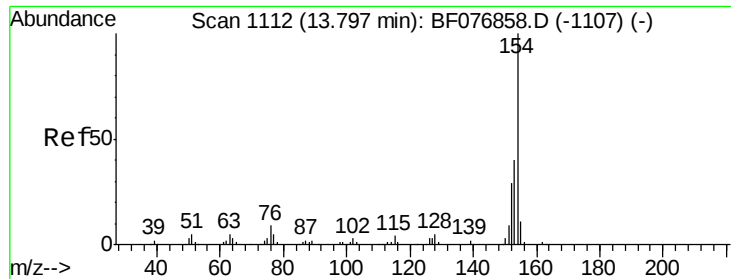
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#44
 2-Fluorobiphenyl
 Concen: 98.06 ng m
 RT: 13.43 min Scan# 1080
 Delta R.T. 0.10 min
 Lab File: BF077077.D
 Acq: 27 Jan 2015 7:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	302106		
171	33.9	26.6	40.0	
170	22.5	18.0	27.0	





#45

1,1'-Biphenyl

Concen: 96.55 ng m

RT: 13.66 min Scan# 1100

Delta R.T. 0.13 min

Lab File: BF077077.D

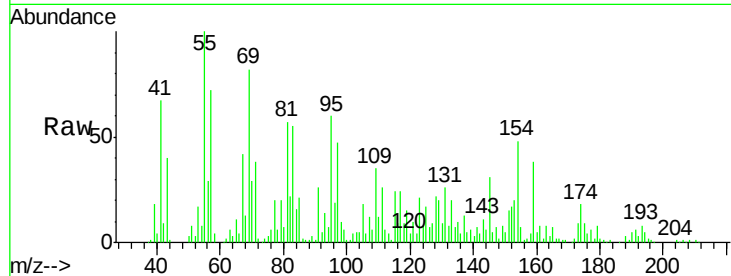
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Instrument :

BNA_F

ClientSampleId :

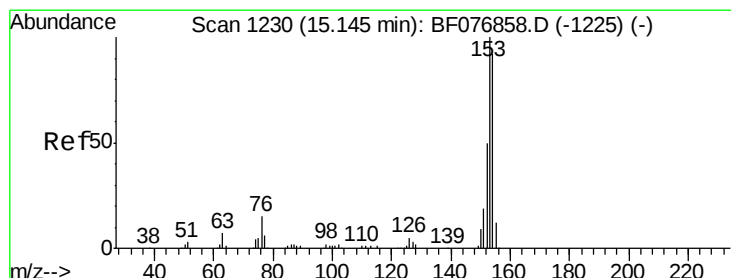
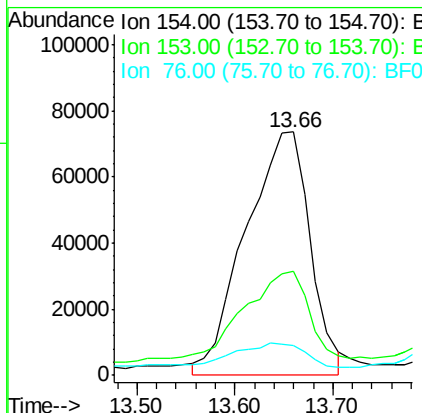
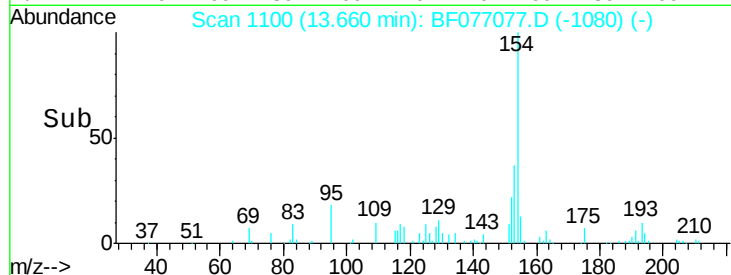
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Tgt Ion:	154	Resp:	335604
Ion Ratio	Lower	Upper	
154	100		
153	42.8	20.2	60.2
76	12.4	0.0	29.0

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#51

Acenaphthene

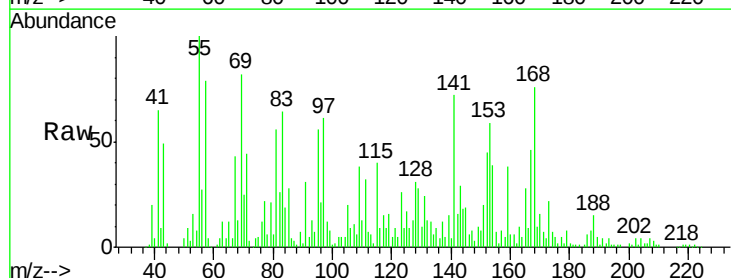
Concen: 97.98 ng m

RT: 15.02 min Scan# 1219

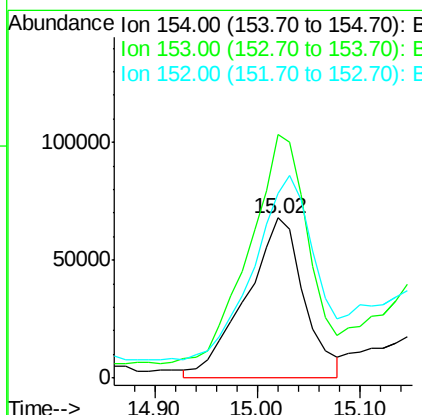
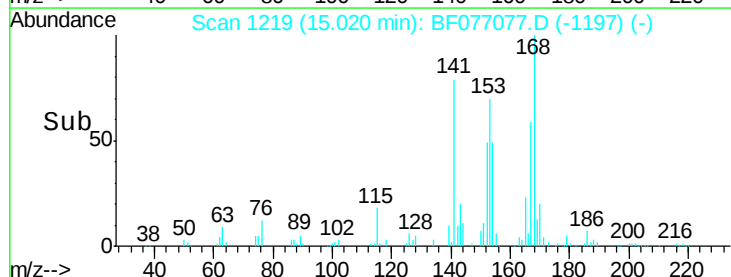
Delta R.T. 0.15 min

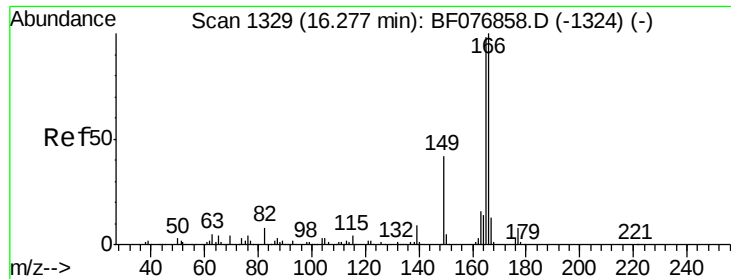
Lab File: BF077077.D

Acq: 27 Jan 2015 7:07



Tgt Ion:	154	Resp:	268208
Ion Ratio	Lower	Upper	
154	100		
153	152.1	87.0	130.6#
152	115.4	43.5	65.3#





#57

Fluorene

Concen: 190.56 ng m

RT: 16.19 min Scan# 1321

Delta R.T. 0.14 min

Lab File: BF077077.D

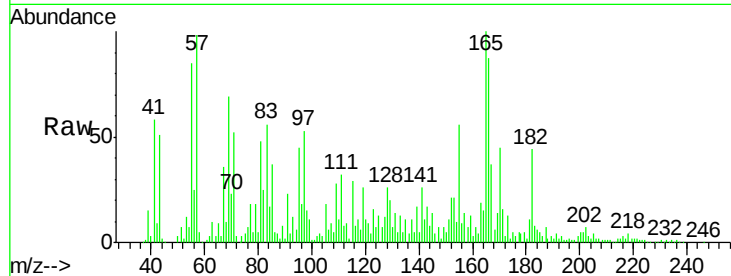
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Instrument :

BNA_F

ClientSampleId :

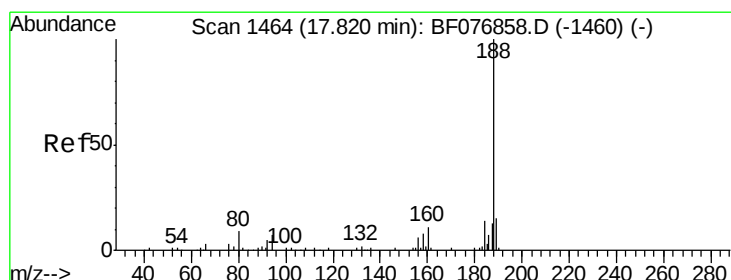
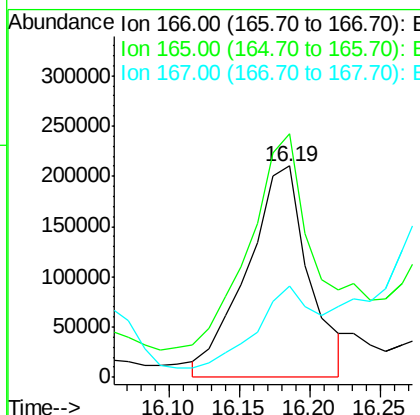
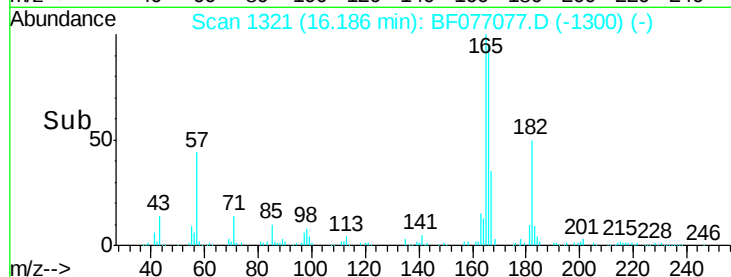
104B1B



Tgt Ion:	166	Resp:	643775
Ion Ratio	Lower	Upper	
166	100		
165	115.2	78.5	117.7
167	43.1	10.4	15.6#

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#63

Phenanthrene-d10

Concen: 20.00 ng m

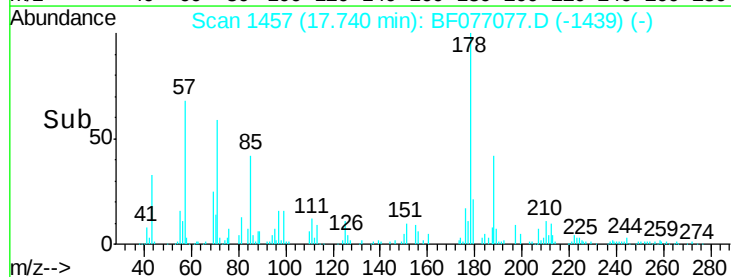
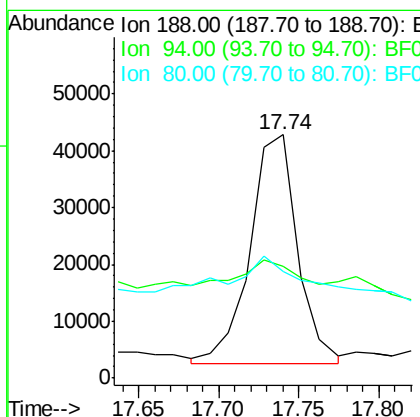
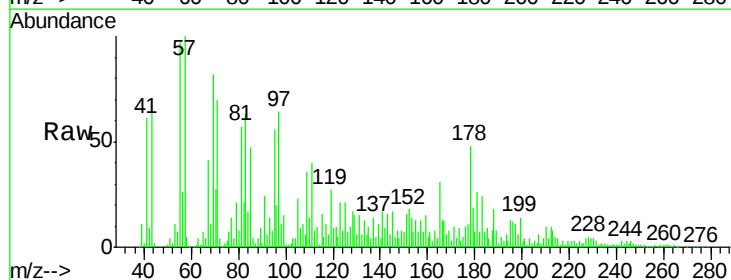
RT: 17.74 min Scan# 1457

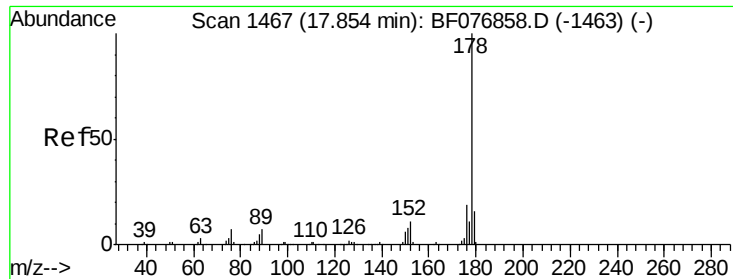
Delta R.T. 0.10 min

Lab File: BF077077.D

Acq: 27 Jan 2015 7:07

Tgt Ion:	188	Resp:	83126
Ion Ratio	Lower	Upper	
188	100		
94	45.9	6.0	9.0#
80	43.9	6.9	10.3#





#70

Phenanthrene

Concen: 326.38 ng

RT: 17.79 min Scan# 1461

Delta R.T. 0.03 min

Lab File: BF077077.D

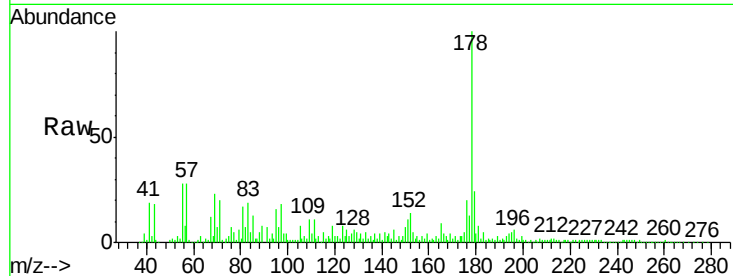
Acq: 27 Jan 2015 7:07

Instrument :

BNA_F

ClientSampled :

104B1B



Tgt Ion:178 Resp: 1691932

Ion Ratio Lower Upper

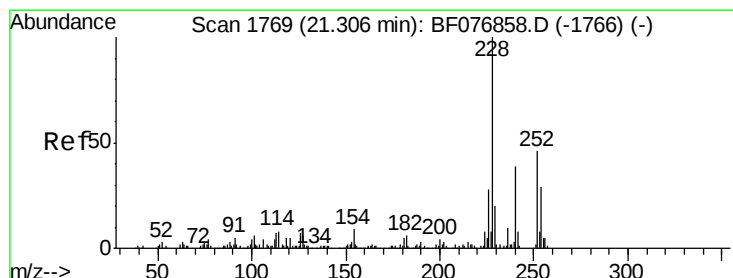
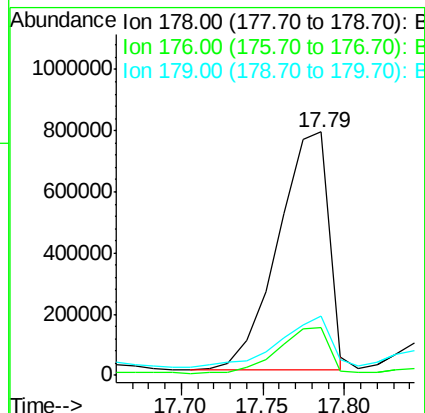
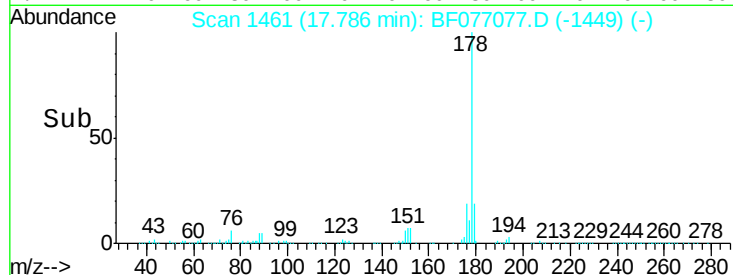
178 100

176 19.7 15.1 22.7

179 24.2 12.7 19.1#

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#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.17 min Scan# 1757

Delta R.T. 0.03 min

Lab File: BF077077.D

Acq: 27 Jan 2015 7:07

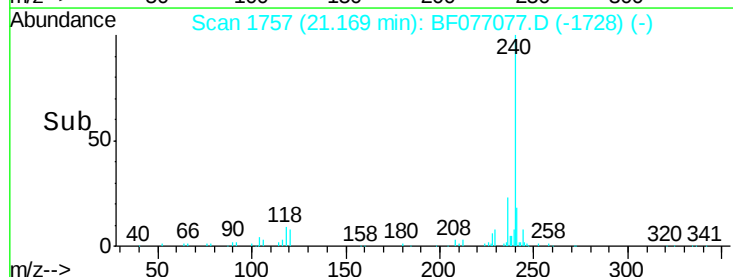
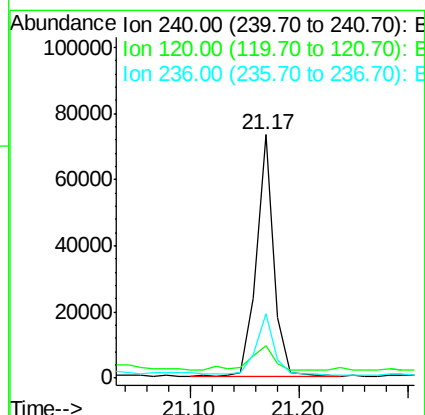
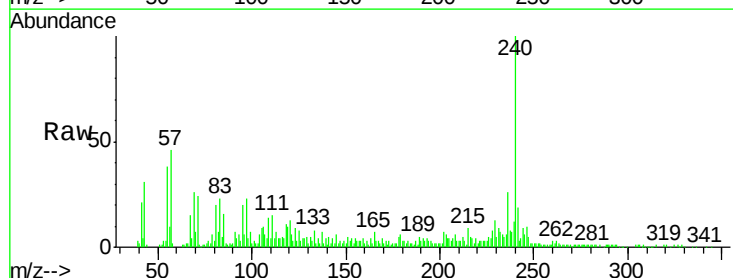
Tgt Ion:240 Resp: 81583

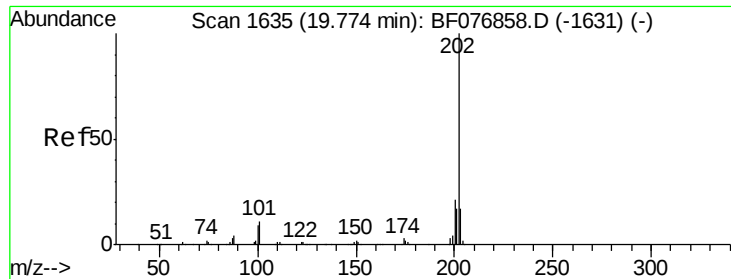
Ion Ratio Lower Upper

240 100

120 13.4 10.4 15.6

236 26.4 20.2 30.2





#77

Pyrene

Concen: 65.93 ng

RT: 19.67 min Scan# 1626

Delta R.T. 0.07 min

Lab File: BF077077.D

Acq: 27 Jan 2015 7:07

Instrument :

BNA_F

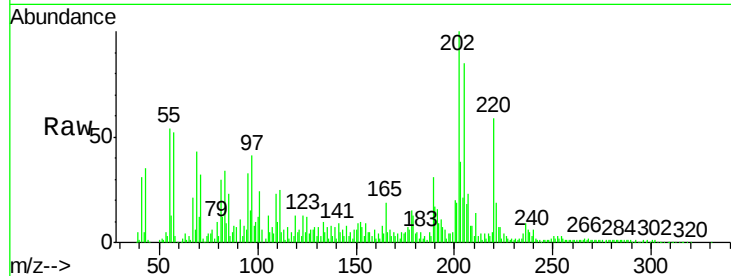
ClientSampleId :

104B1B

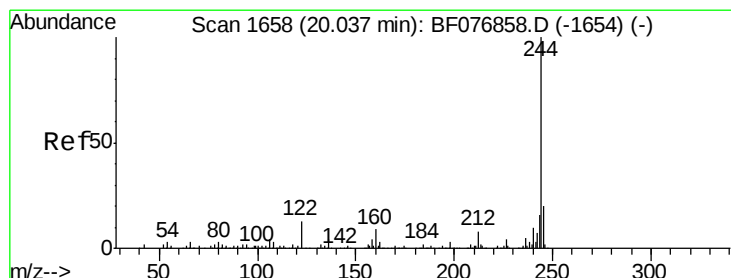
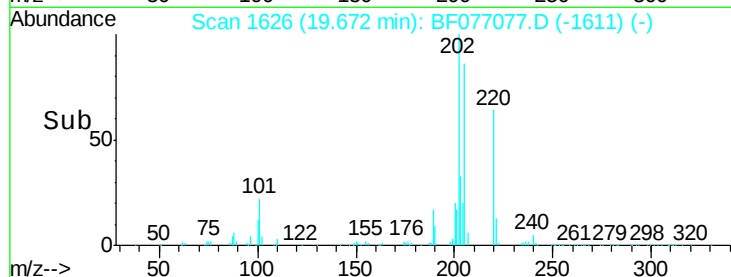
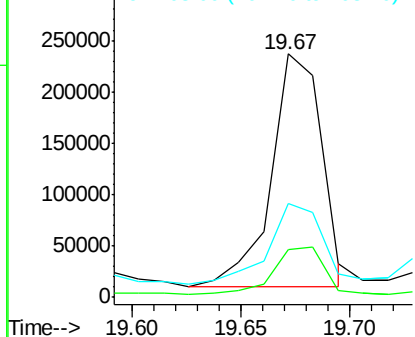
Tgt Ion:	202	Resp:	368638
Ion Ratio	Lower	Upper	
202	100		
200	19.7	16.7	25.1
203	38.5	14.0	21.0#

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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: 87.92 ng

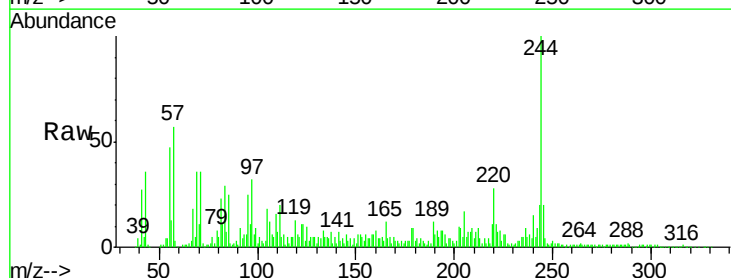
RT: 19.93 min Scan# 1649

Delta R.T. 0.06 min

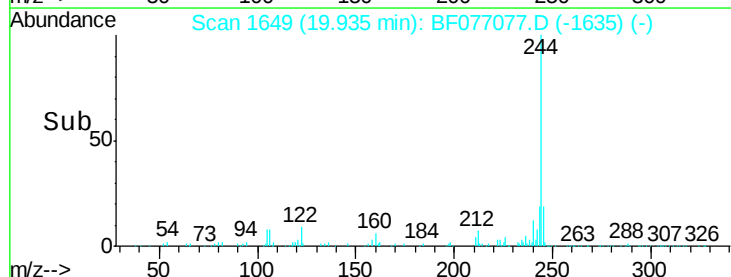
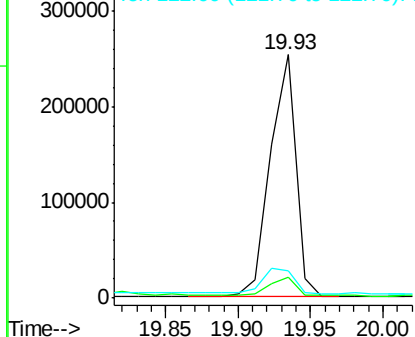
Lab File: BF077077.D

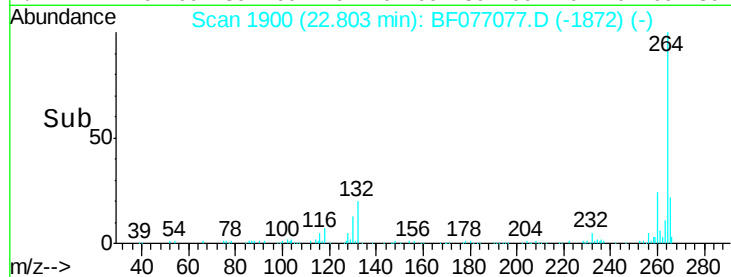
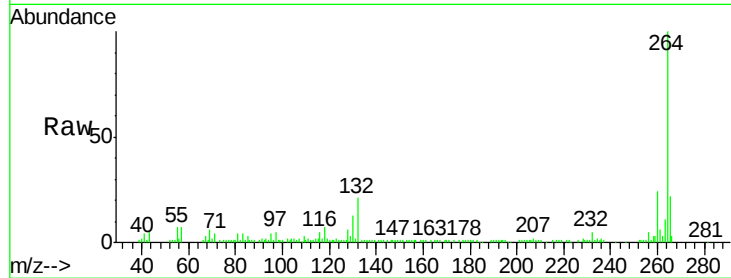
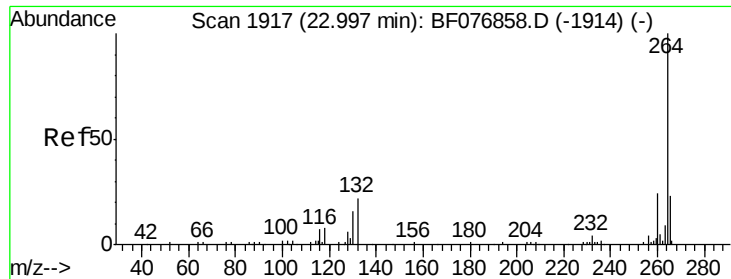
Acq: 27 Jan 2015 7:07

Tgt Ion:	244	Resp:	311552
Ion Ratio	Lower	Upper	
244	100		
212	8.5	6.3	9.5
122	11.3	10.1	15.1



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





#86
Perylene-d12
Concen: 20.00 ng
RT: 22.80 min Scan# 1900
Delta R.T. 0.02 min
Lab File: BF077077.D
Acq: 27 Jan 2015 7:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.4
265	21.5	18.1	27.1

Instrument :
BNA_F
ClientSampleId :
104B1B

Manual Integrations
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