

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030315\
 Data File : BF077571.D
 Acq On : 4 Mar 2015 4:19
 Operator : TP/IZ
 Sample : G1402-05DL2 200X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW44DL2

Manual Integrations
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mohammad
 3/4/2015 4:42:24 PM

Quant Time: Mar 04 07:55:44 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 04 04:46:40 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.24	152	85976	20.00	ng	0.00
21) Naphthalene-d8	8.81	136	351974	20.00	ng	0.00
38) Acenaphthene-d10	10.99	164	180945	20.00	ng	0.00
63) Phenanthrene-d10	12.83	188	352142	20.00	ng	0.00
75) Chrysene-d12	16.12	240	380620	20.00	ng	0.00
86) Perylene-d12	17.82	264	375567	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	7.93	82	532	0.09	ng	0.00
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	10.16	172	933	0.08	ng	0.00
78) Terphenyl-d14	14.83	244	1115	0.07	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.84	128	1584591	90.03	ng	98
37) 2-Methylnaphthalene	9.70	142	405828	32.47	ng	98
45) 1,1'-Biphenyl	10.28	154	76048	5.55	ng	98
48) Acenaphthylene	10.81	152	40632	2.39	ng	# 91
51) Acenaphthene	11.03	154	151051	14.87	ng	99
57) Fluorene	11.67	166	113149m	9.02	ng	
70) Phenanthrene	12.86	178	574583	28.15	ng	99
71) Anthracene	12.92	178	175949	8.69	ng	99
74) Fluoranthene	14.34	202	235201	10.55	ng	98
77) Pyrene	14.62	202	369547	15.87	ng	99
80) Benzo(a)anthracene	16.10	228	144072m	6.46	ng	
82) Chrysene	16.14	228	113183	5.40	ng	98
87) Benzo(b)fluoranthene	17.39	252	91904m	4.21	ng	
89) Benzo(a)pyrene	17.75	252	104315	5.02	ng	98
91) Benzo(g,h,i)perylene	19.67	276	43453	2.17	ng	94

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

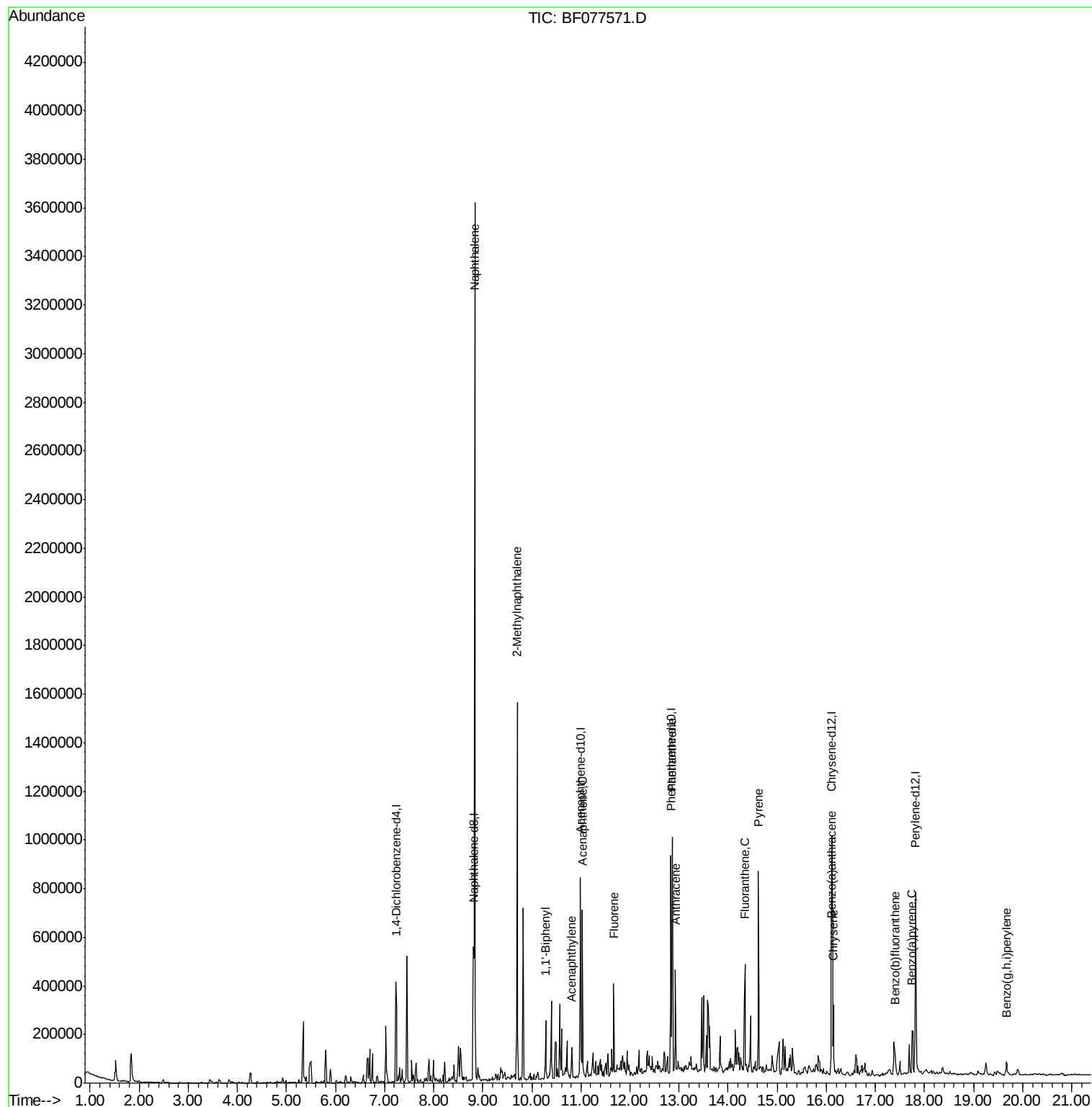
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030315\
Data File : BF077571.D
Acq On : 4 Mar 2015 4:19
Operator : TP/IZ
Sample : G1402-05DL2 200X
Misc :
ALS Vial : 28 Sample Multiplier: 1

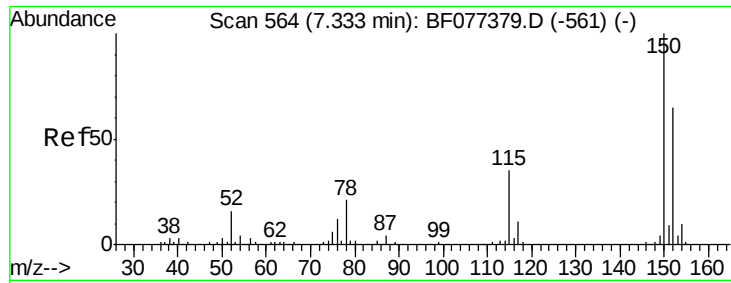
Instrument :
BNA_F
ClientSampleId :
MW44DL2

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Quant Time: Mar 04 07:55:44 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
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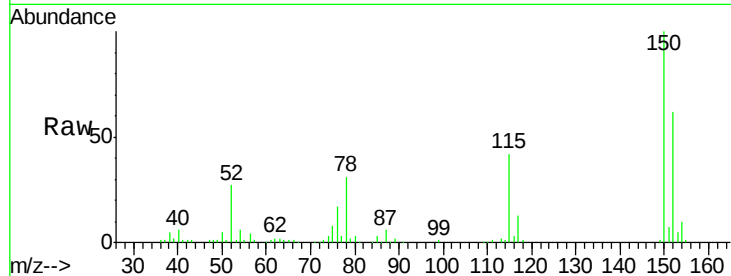
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.24 min Scan# 555
 Delta R.T. -0.00 min
 Lab File: BF077571.D
 Acq: 4 Mar 2015 4:19

Instrument :
 BNA_F
 ClientSampleId :
 MW44DL2

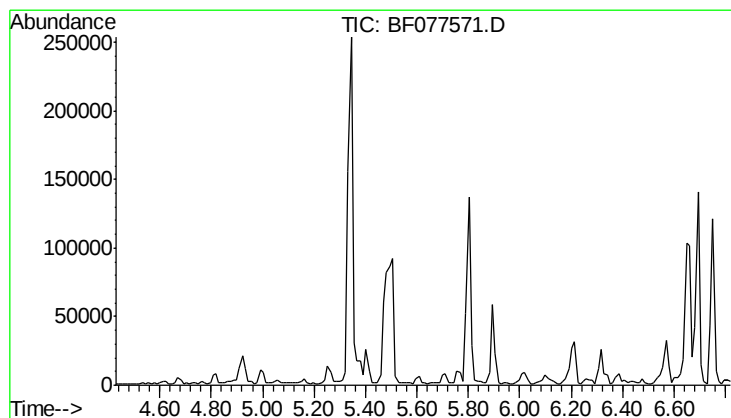
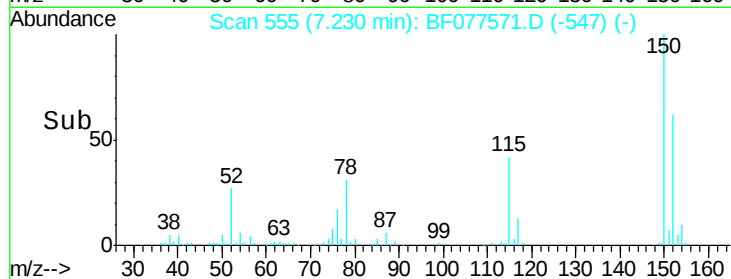
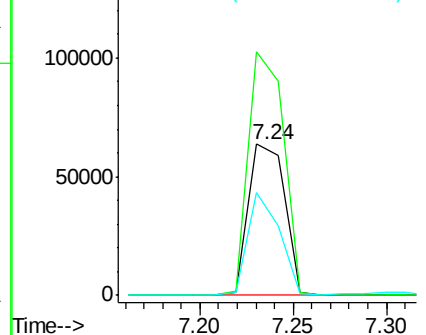
Tgt Ion	Ratio	Lower	Upper
152	100		
150	161.0	124.0	186.0
115	68.2	49.4	74.2

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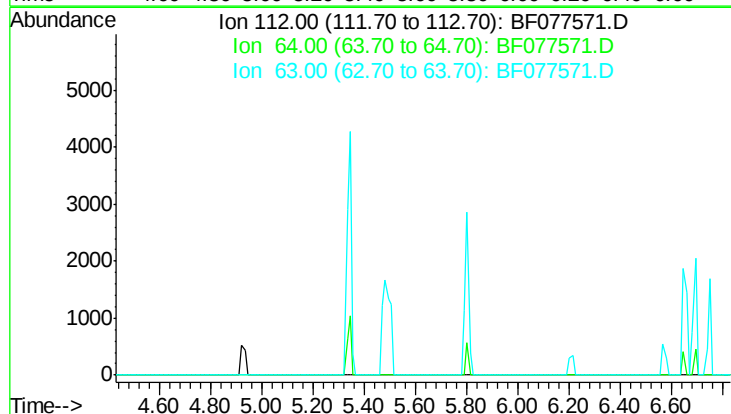
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

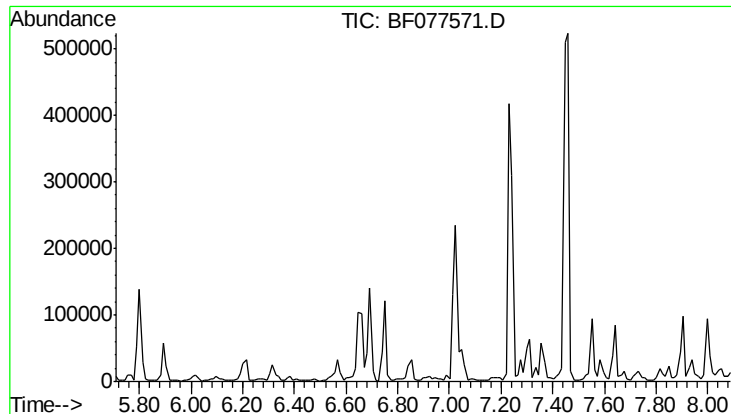


#5
 2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 5.53 min

Lab File: BF077571.D
 Acq: 4 Mar 2015 4:19

Tgt Ion	Sig	Exp Ratio
112	100	
64	60.6	
63	31.2	





#7

Phenol-d6

Concen: 0.00 ng

Expected RT: 6.80 min

Lab File: BF077571.D

Acq: 4 Mar 2015 4:19

Tgt Ion: 99

Sig Exp Ratio

99 100

42 20.3

71 33.4

Instrument :

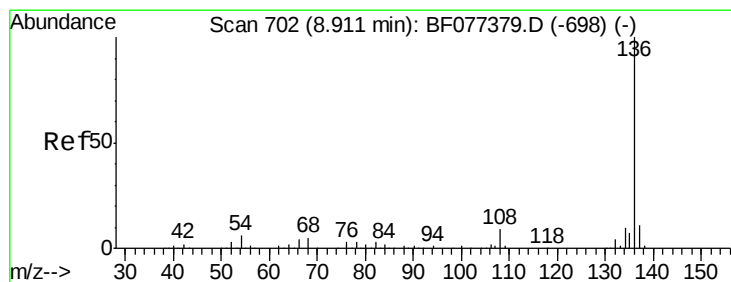
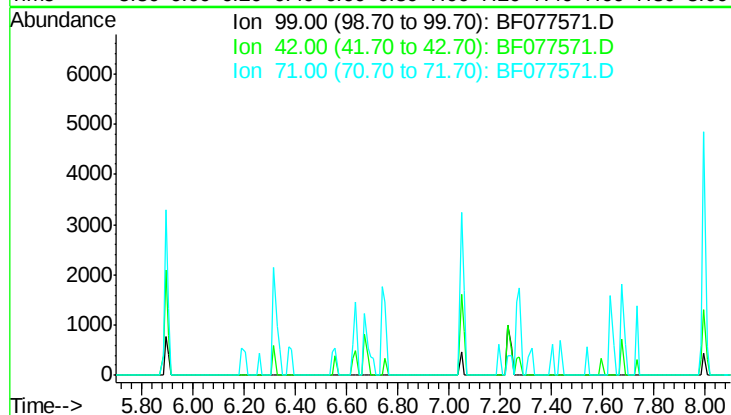
BNA_F

ClientSampleId :

MW44DL2

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.81 min Scan# 693

Delta R.T. -0.00 min

Lab File: BF077571.D

Acq: 4 Mar 2015 4:19

Tgt Ion:136 Resp: 351974

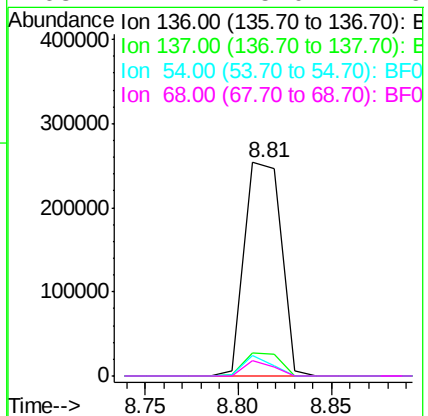
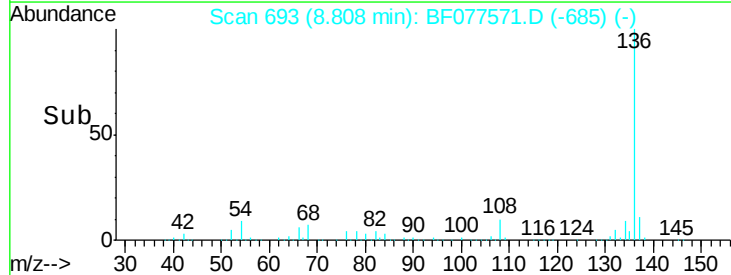
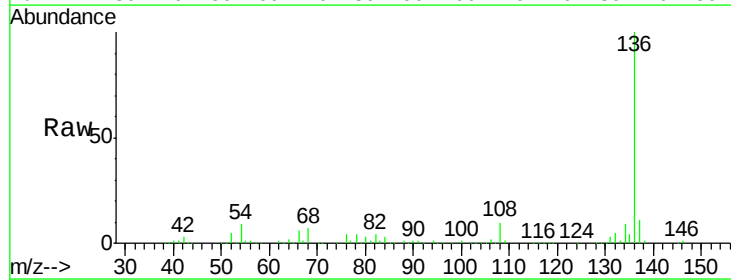
Ion Ratio Lower Upper

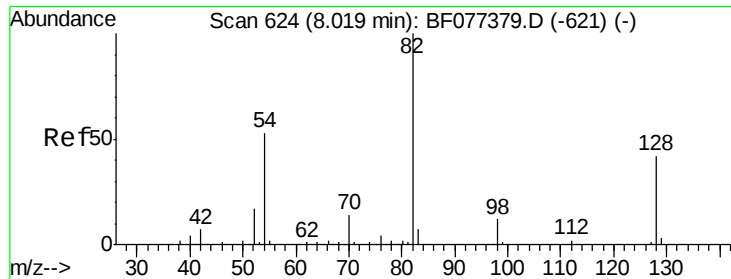
136 100

137 10.8 8.6 13.0

54 9.5 6.2 9.4#

68 7.4 5.0 7.6





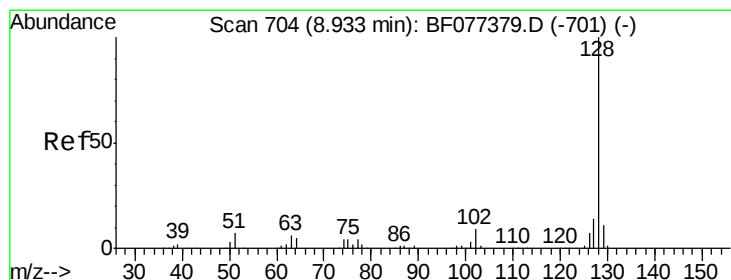
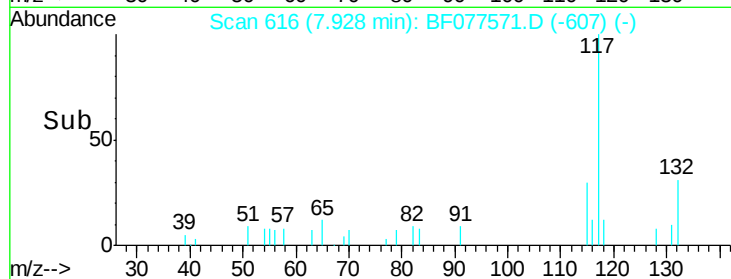
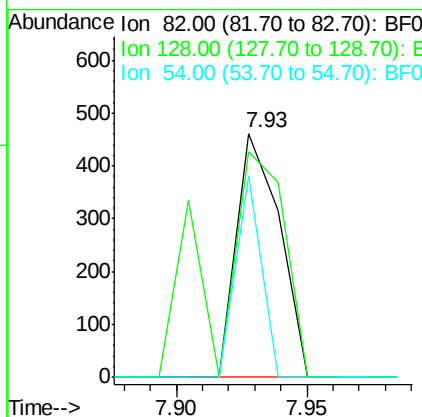
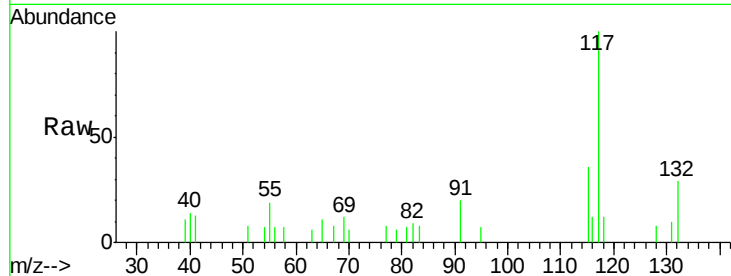
#23
Nitrobenzene-d5
Concen: 0.09 ng
RT: 7.93 min Scan# 616
Delta R.T. 0.00 min
Lab File: BF077571.D
Acq: 4 Mar 2015 4:19

Instrument :
BNA_F
ClientSampleId :
MW44DL2

Tgt Ion	Ratio	Lower	Upper
82	100		
128	92.8	43.8	65.8#
54	82.9	36.7	55.1#

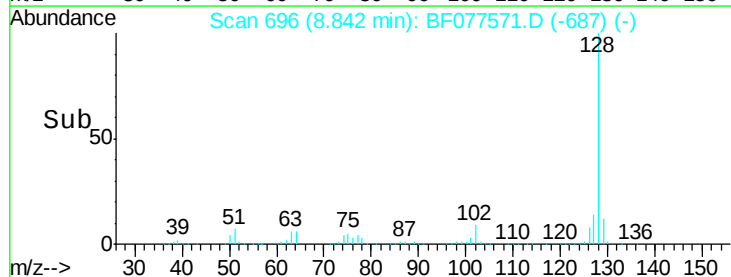
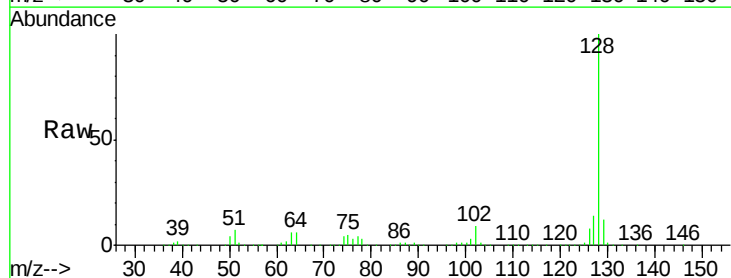
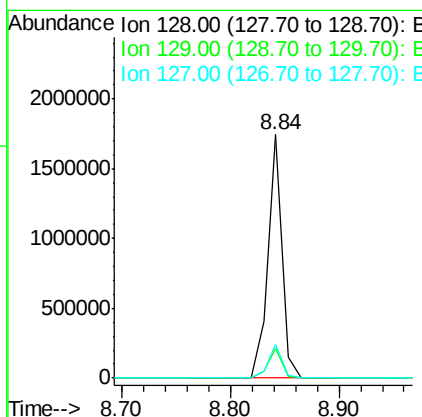
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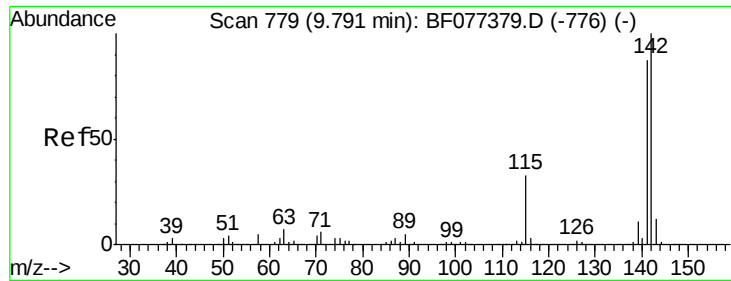
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#31
Naphthalene
Concen: 90.03 ng
RT: 8.84 min Scan# 696
Delta R.T. 0.00 min
Lab File: BF077571.D
Acq: 4 Mar 2015 4:19

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.4	14.0
127	14.0	10.6	15.8





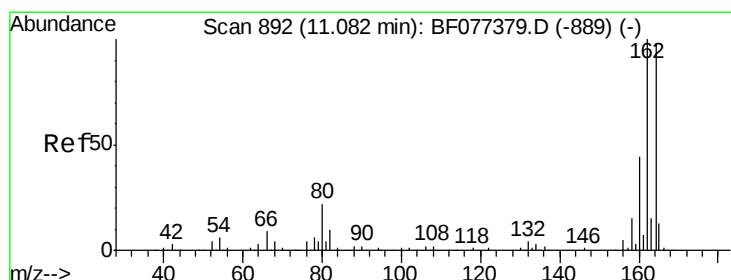
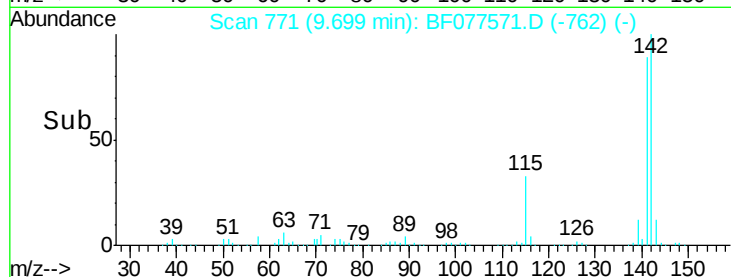
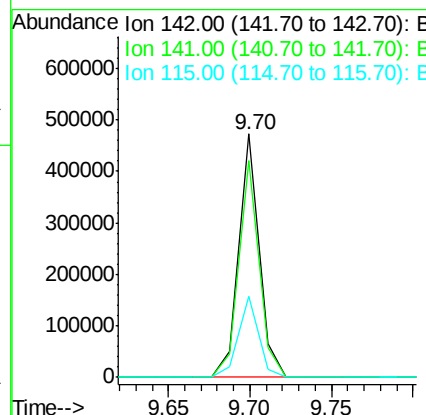
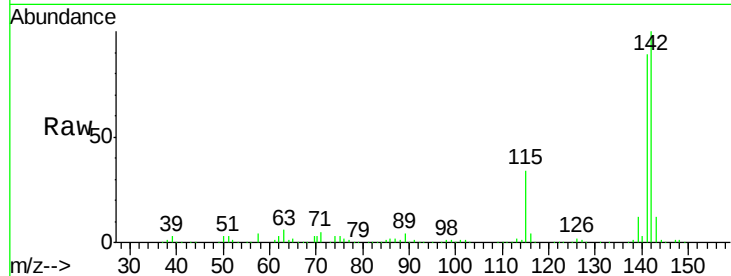
#37
2-Methylnaphthalene
Concen: 32.47 ng
RT: 9.70 min Scan# 771
Delta R.T. 0.00 min
Lab File: BF077571.D
Acq: 4 Mar 2015 4:19

Instrument :
BNA_F
ClientSampleId :
MW44DL2

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	405828		
141	88.9	70.7	106.1	
115	33.5	24.2	36.4	

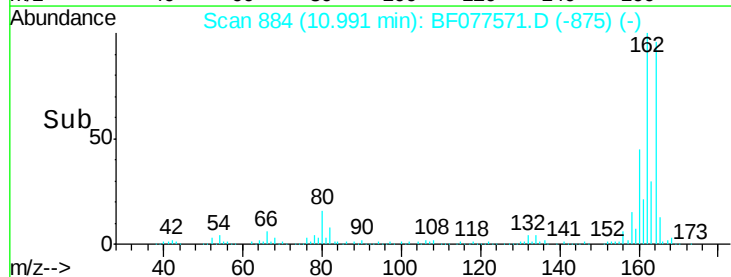
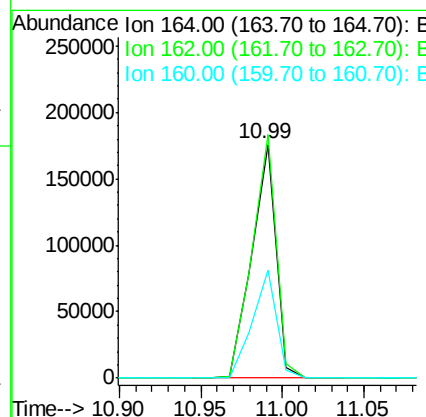
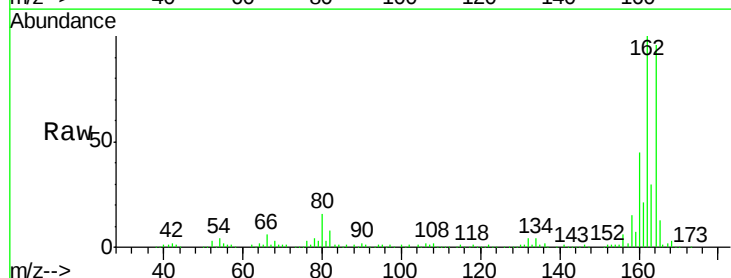
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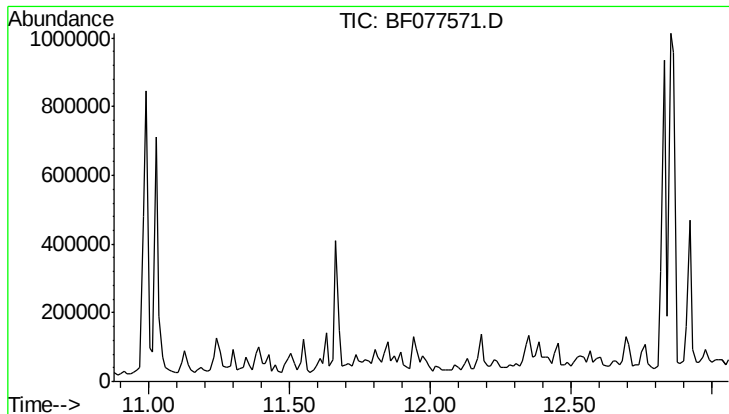
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.99 min Scan# 884
Delta R.T. -0.00 min
Lab File: BF077571.D
Acq: 4 Mar 2015 4:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	180945		
162	104.1	83.2	124.8	
160	46.3	34.6	52.0	





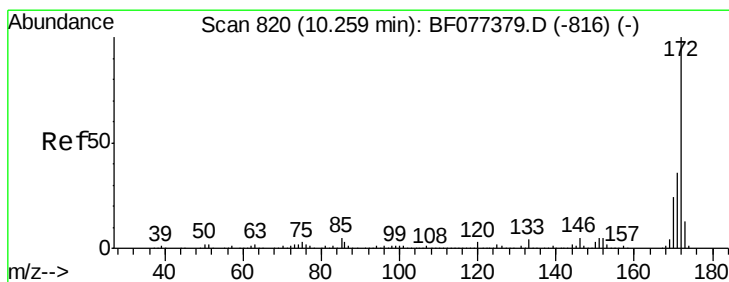
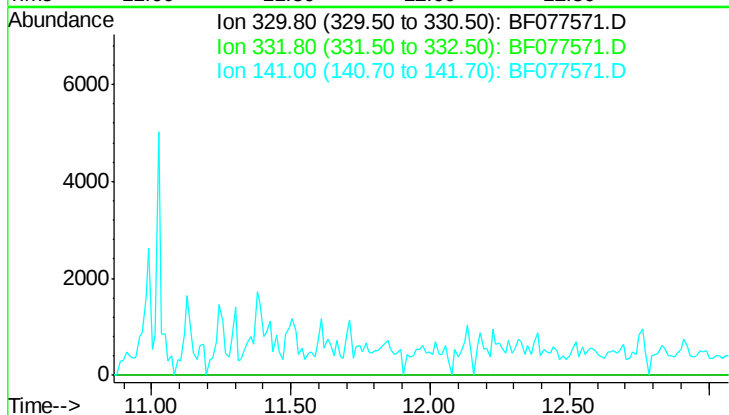
#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 11.97 min
 Lab File: BF077571.D
 Acq: 4 Mar 2015 4:19

Instrument :
 BNA_F
 ClientSampleId :
 MW44DL2

Tgt Ion	Exp Ratio
330	100
332	96.8
141	36.0

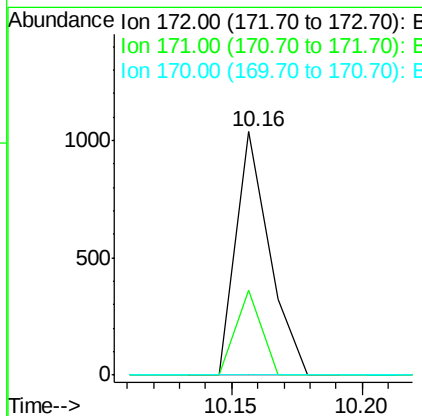
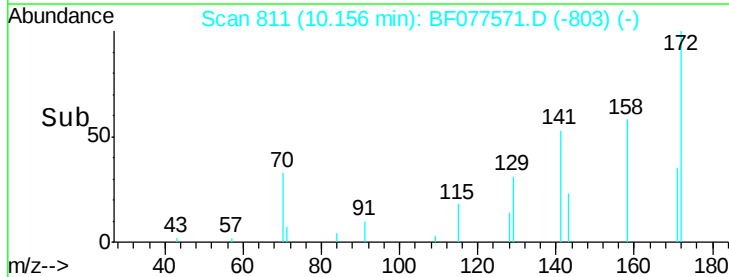
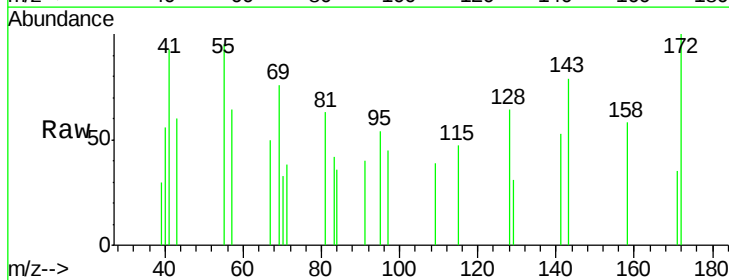
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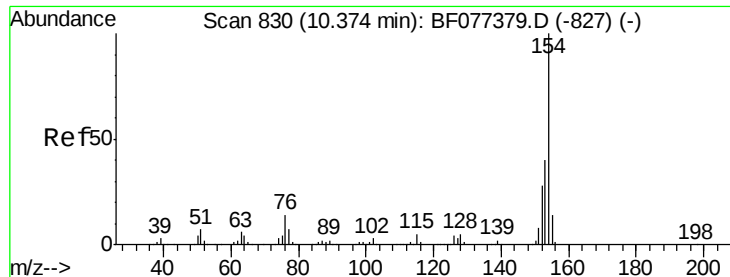
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#44
 2-Fluorobiphenyl
 Concen: 0.08 ng
 RT: 10.16 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: BF077571.D
 Acq: 4 Mar 2015 4:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.9	43.3
170	0.0	19.4	29.2





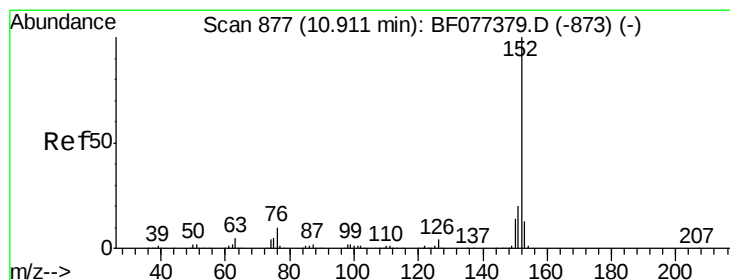
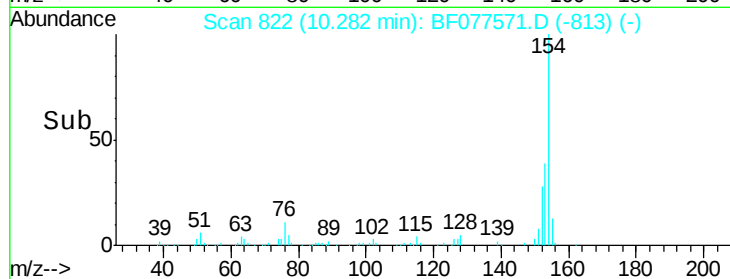
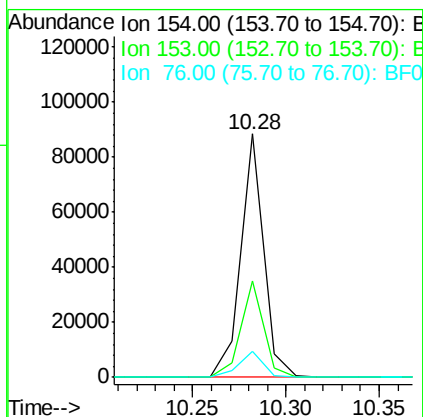
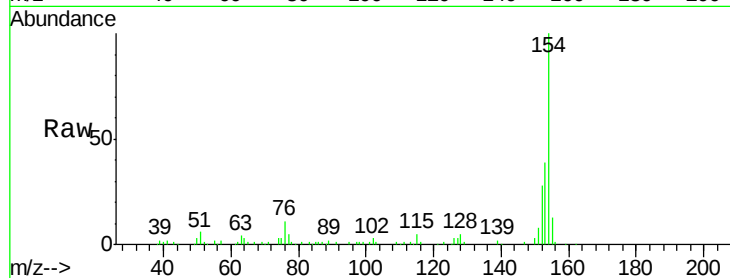
#45
1,1'-Biphenyl
Concen: 5.55 ng
RT: 10.28 min Scan# 822
Delta R.T. -0.00 min
Lab File: BF077571.D
Acq: 4 Mar 2015 4:19

Instrument :
BNA_F
ClientSampleId :
MW44DL2

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	39.4	20.2	60.2
76	10.8	0.0	29.4

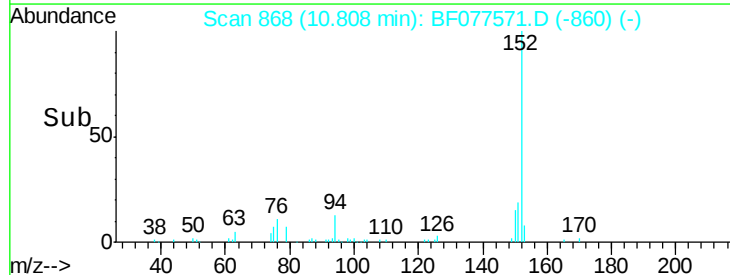
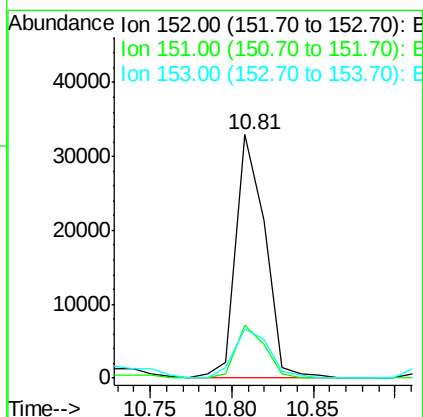
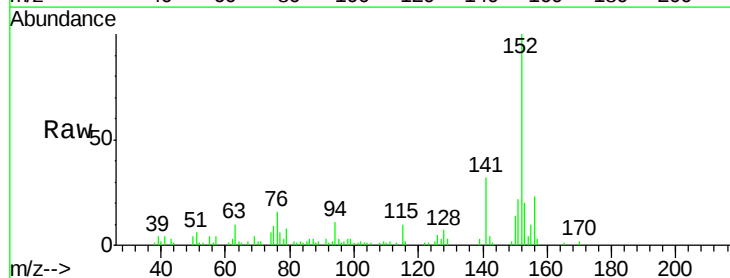
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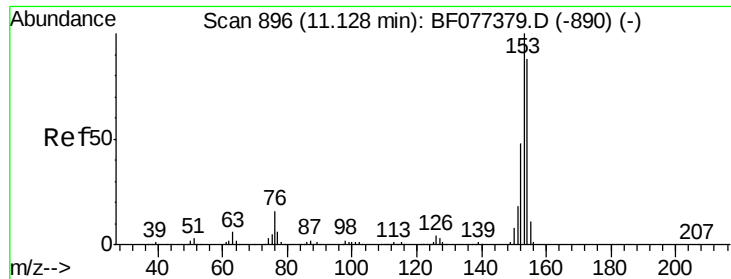
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#48
Acenaphthylene
Concen: 2.39 ng
RT: 10.81 min Scan# 868
Delta R.T. -0.00 min
Lab File: BF077571.D
Acq: 4 Mar 2015 4:19

Tgt Ion	Ratio	Resp Lower	Upper
152	100		
151	21.9	16.1	24.1
153	20.1	10.9	16.3#





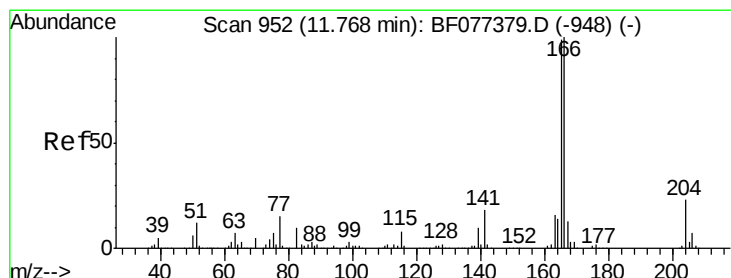
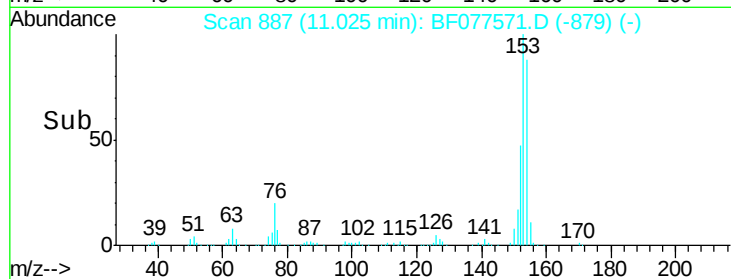
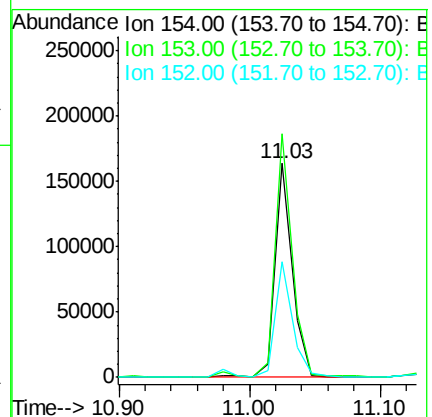
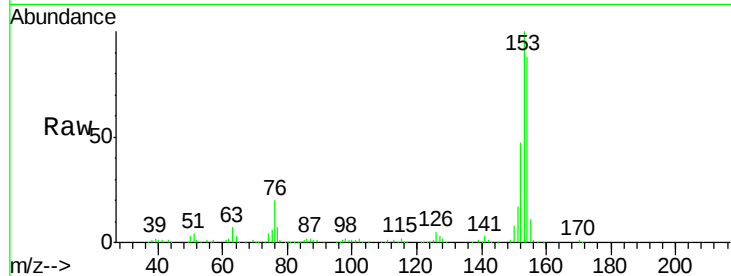
#51
Acenaphthene
Concen: 14.87 ng
RT: 11.03 min Scan# 887
Delta R.T. -0.00 min
Lab File: BF077571.D
Acq: 4 Mar 2015 4:19

Instrument :
BNA_F
ClientSampleID :
MW44DL2

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	151051		
153	113.9	90.5	135.7	
152	53.9	43.5	65.3	

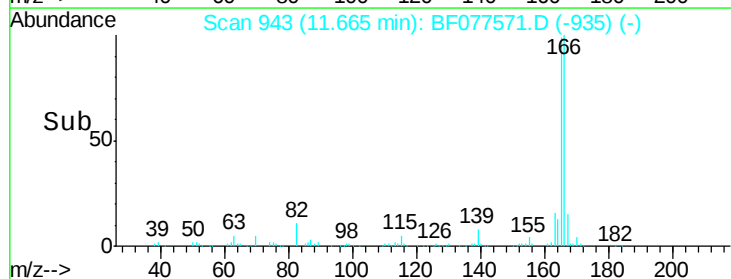
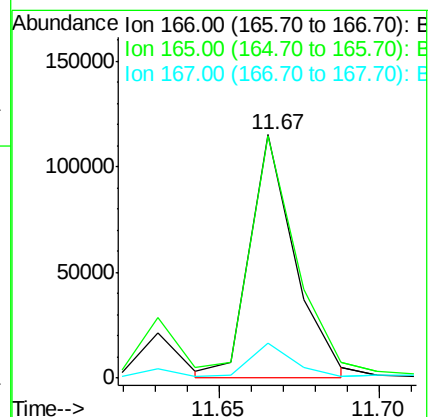
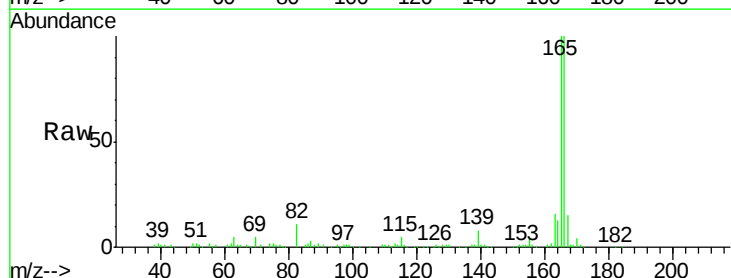
Manual Integrations
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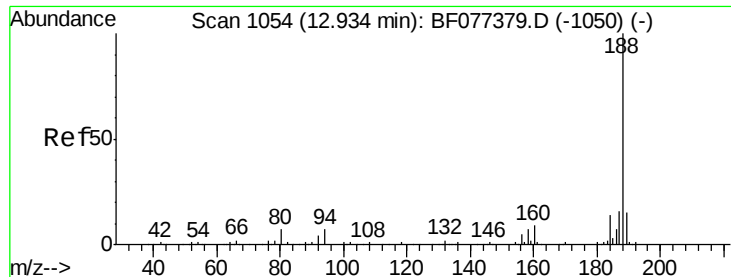
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#57
Fluorene
Concen: 9.02 ng m
RT: 11.67 min Scan# 943
Delta R.T. -0.00 min
Lab File: BF077571.D
Acq: 4 Mar 2015 4:19

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	113149		
165	99.8	77.6	116.4	
167	14.5	10.6	16.0	





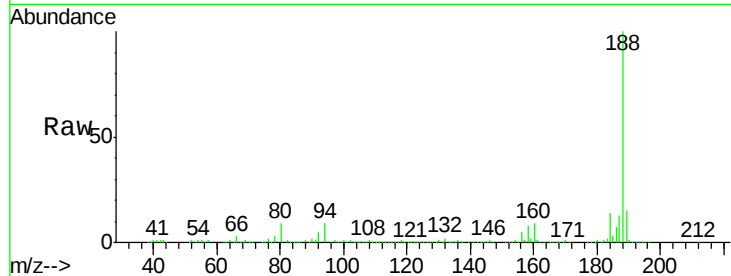
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.83 min Scan# 1045
Delta R.T. -0.00 min
Lab File: BF077571.D
Acq: 4 Mar 2015 4:19

Instrument :
BNA_F
ClientSampleId :
MW44DL2

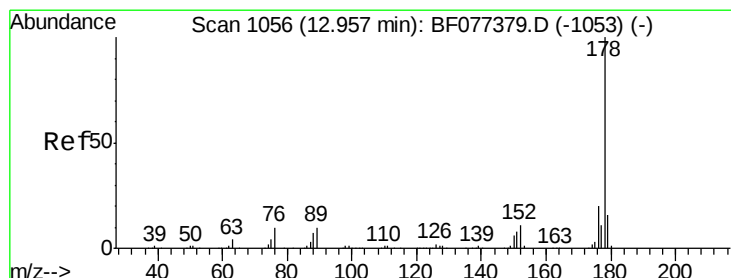
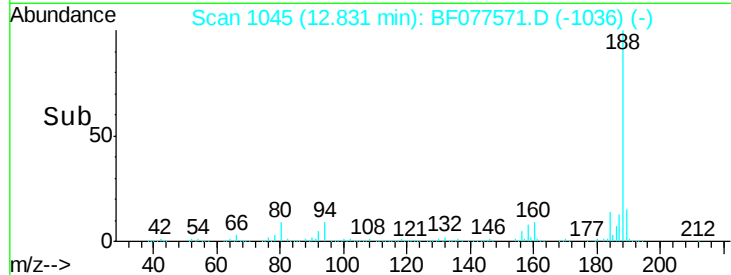
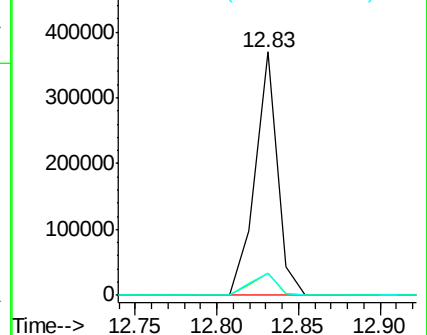
Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.1	7.4	11.2
80	9.2	8.0	12.0

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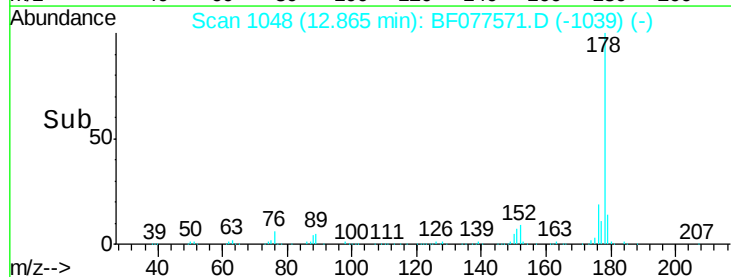
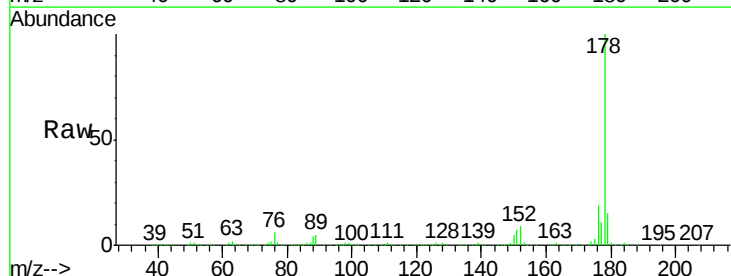
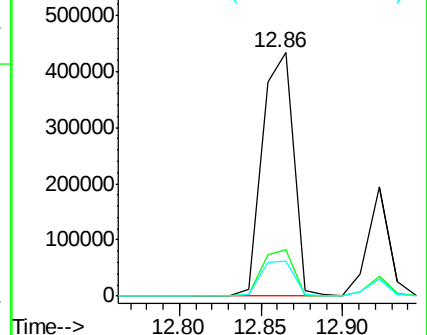
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

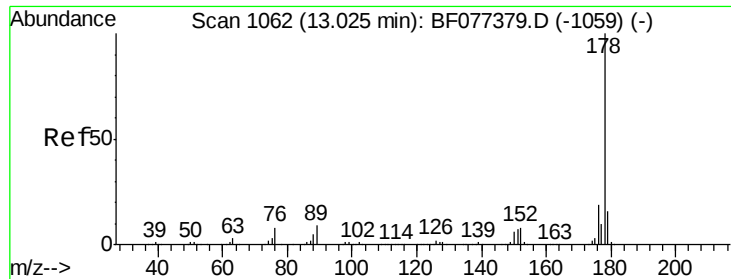


#70
Phenanthrene
Concen: 28.15 ng
RT: 12.86 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BF077571.D
Acq: 4 Mar 2015 4:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.9	15.5	23.3
179	14.5	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





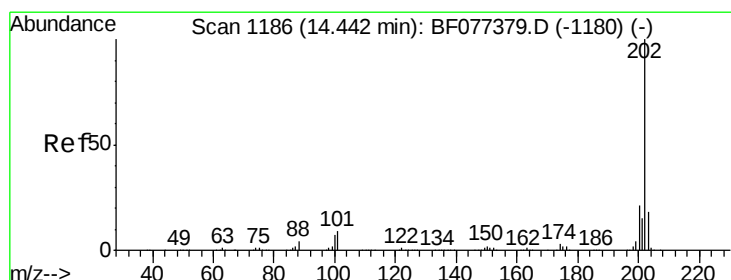
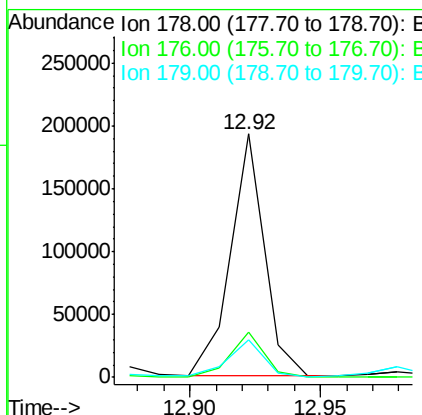
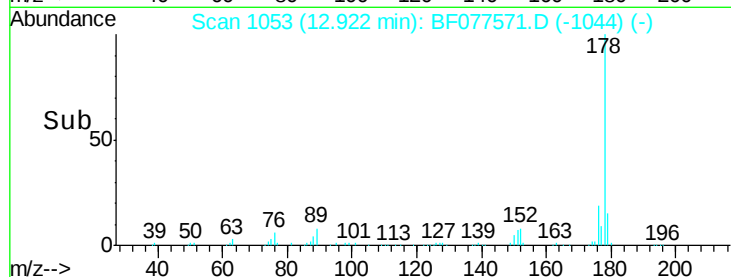
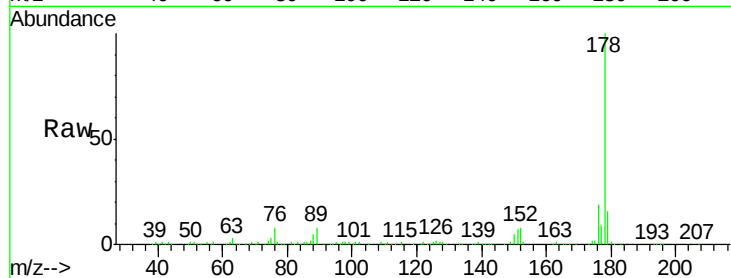
#71
 Anthracene
 Concen: 8.69 ng
 RT: 12.92 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: BF077571.D
 Acq: 4 Mar 2015 4:19

Instrument :
 BNA_F
 ClientSampleId :
 MW44DL2

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.0
179	15.5	12.9	19.3

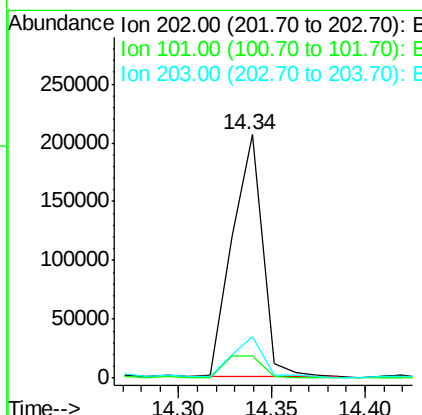
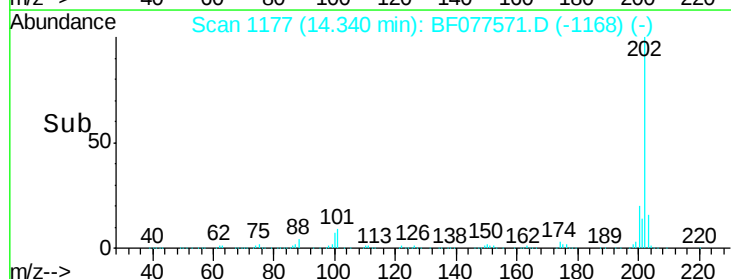
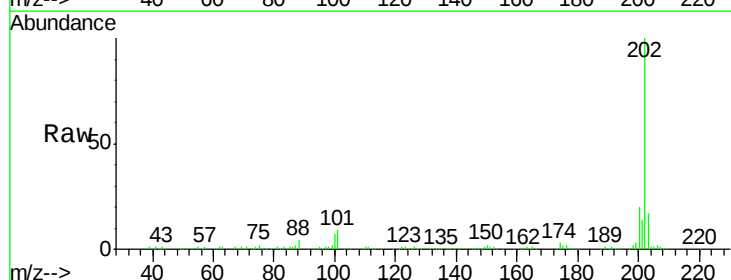
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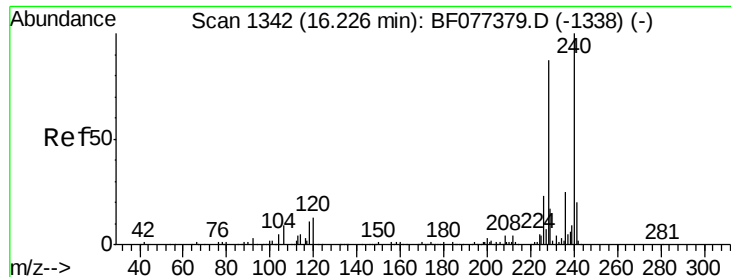
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#74
 Fluoranthene
 Concen: 10.55 ng
 RT: 14.34 min Scan# 1177
 Delta R.T. -0.00 min
 Lab File: BF077571.D
 Acq: 4 Mar 2015 4:19

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	30.8
203	17.3	0.0	37.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.12 min Scan# 1332

Delta R.T. -0.00 min

Lab File: BF077571.D

Acq: 4 Mar 2015 4:19

Instrument :

BNA_F

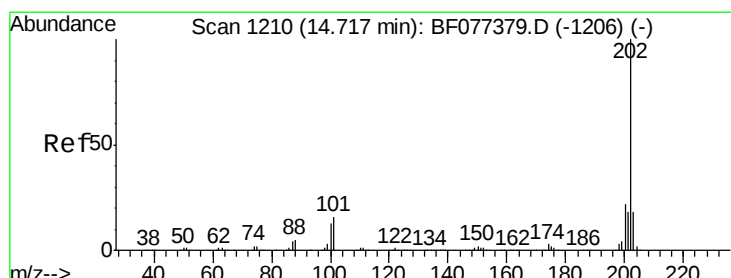
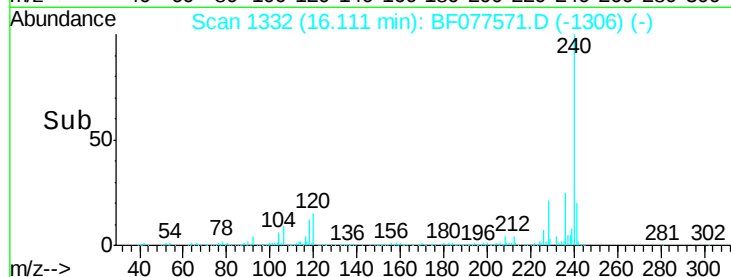
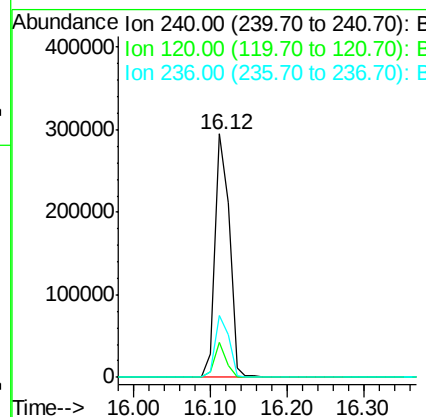
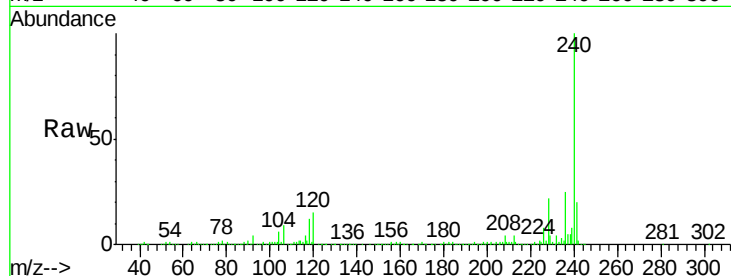
ClientSampleId :

MW44DL2

Tgt Ion:	240	Resp:	380620
Ion Ratio	Lower	Upper	
240	100		
120	14.6	8.8	13.2#
236	25.4	20.7	31.1

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#77

Pyrene

Concen: 15.87 ng

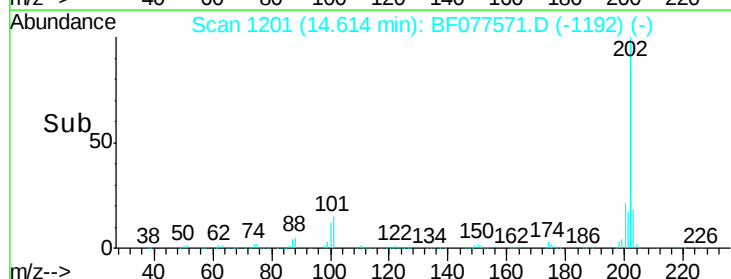
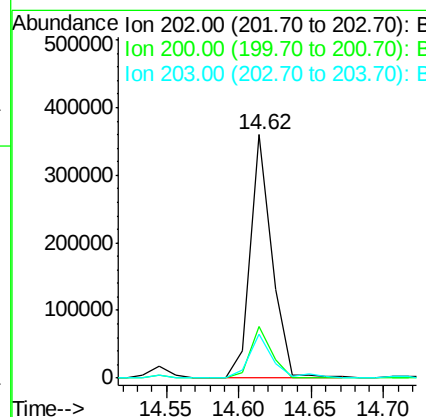
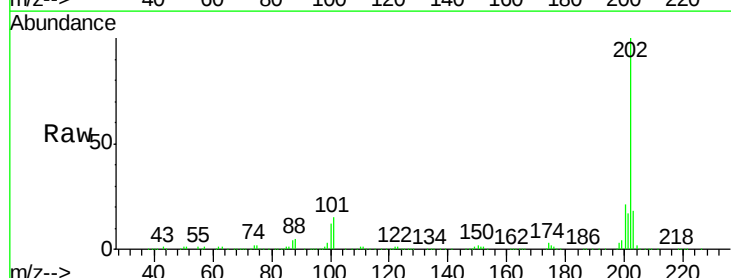
RT: 14.62 min Scan# 1201

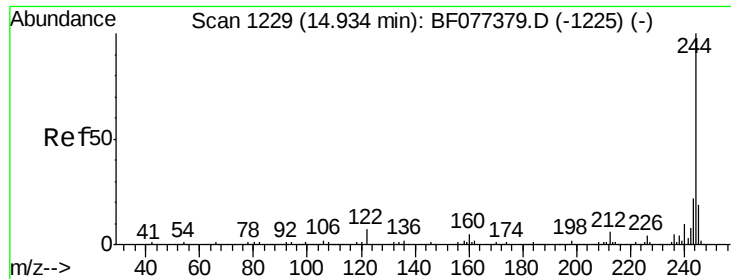
Delta R.T. 0.00 min

Lab File: BF077571.D

Acq: 4 Mar 2015 4:19

Tgt Ion:	202	Resp:	369547
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.1	25.7
203	18.1	14.2	21.2





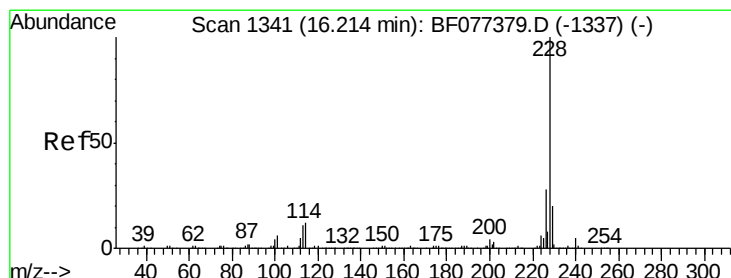
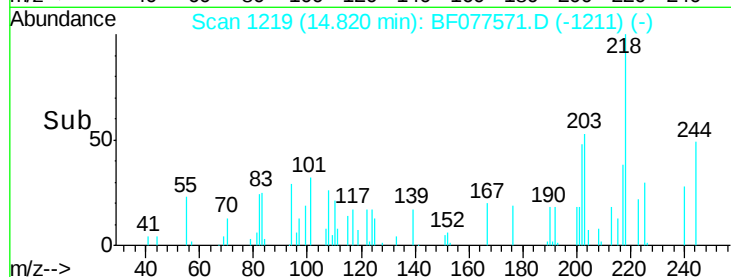
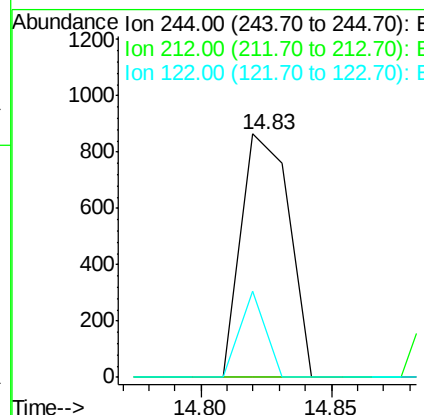
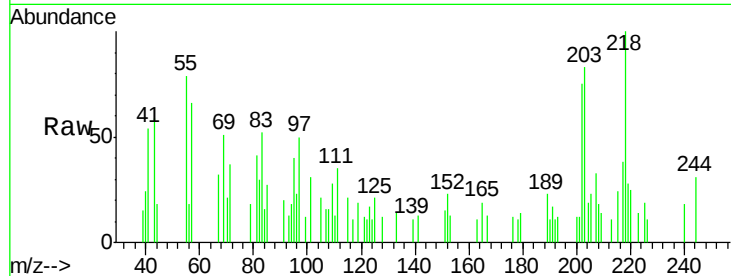
#78
 Terphenyl-d14
 Concen: 0.07 ng
 RT: 14.83 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: BF077571.D
 Acq: 4 Mar 2015 4:19

Instrument :
 BNA_F
 ClientSampleId :
 MW44DL2

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	0.0	5.2	7.8#
122	35.4	7.8	11.8#

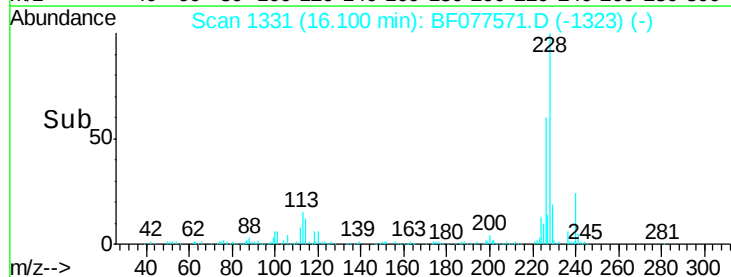
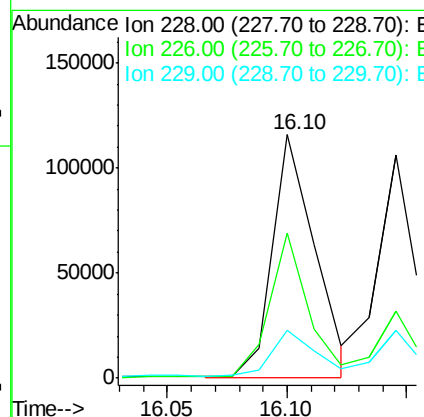
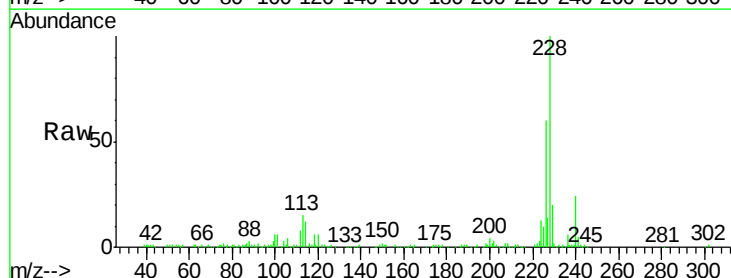
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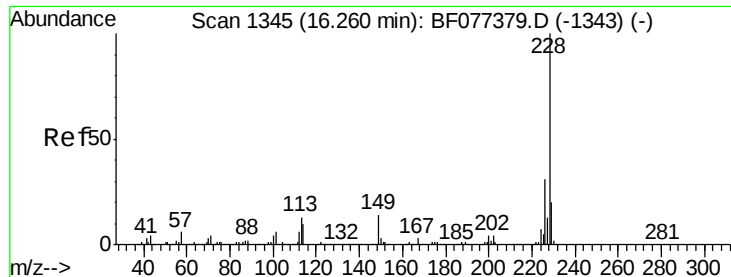
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#80
 Benzo(a)anthracene
 Concen: 6.46 ng m
 RT: 16.10 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF077571.D
 Acq: 4 Mar 2015 4:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	59.8	22.0	33.0#
229	19.7	15.8	23.8





#82

Chrysene

Concen: 5.40 ng

RT: 16.14 min Scan# 1335

Delta R.T. -0.00 min

Lab File: BF077571.D

Acq: 4 Mar 2015 4:19

Instrument :

BNA_F

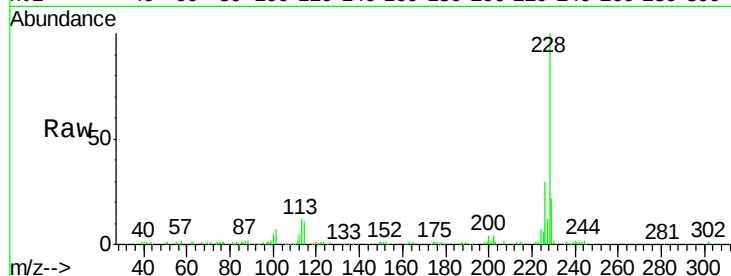
ClientSampleId :

MW44DL2

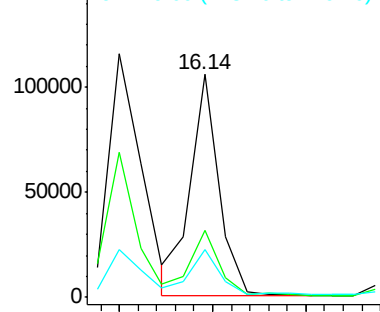
Tgt Ion:	228	Resp:	113183
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.9	37.3
229	21.7	16.4	24.6

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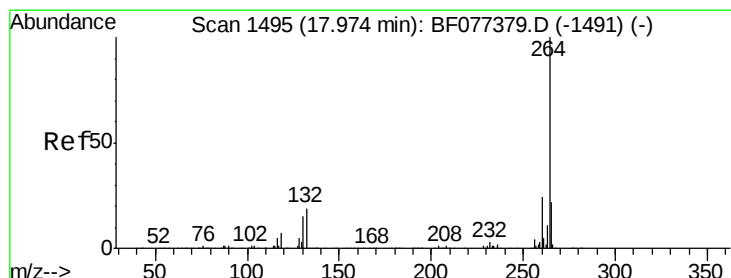
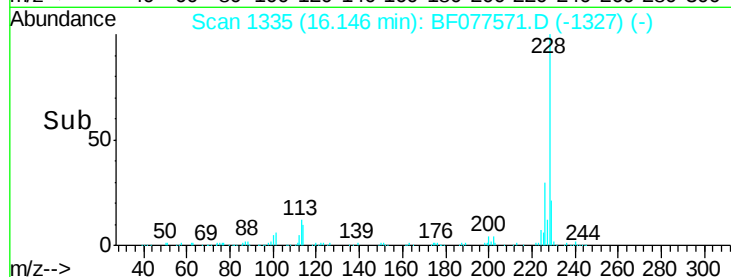
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->



#86

Perylene-d12

Concen: 20.00 ng

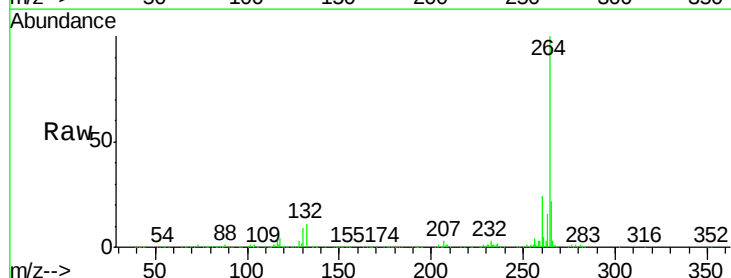
RT: 17.82 min Scan# 1482

Delta R.T. 0.00 min

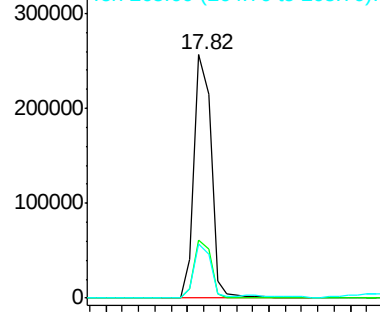
Lab File: BF077571.D

Acq: 4 Mar 2015 4:19

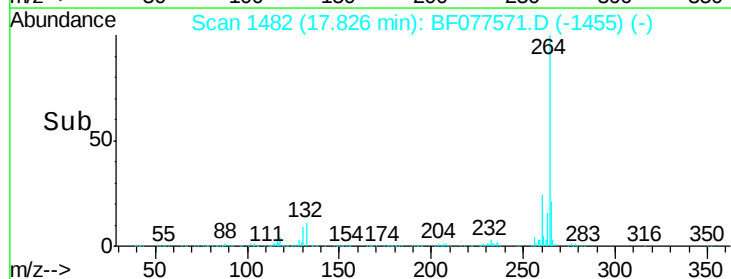
Tgt Ion:	264	Resp:	375567
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.3	28.9
265	21.5	16.8	25.2

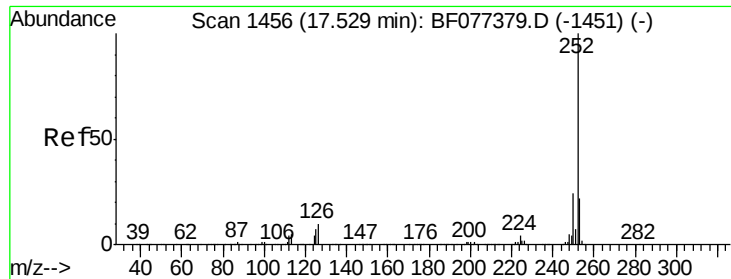


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



Time-->





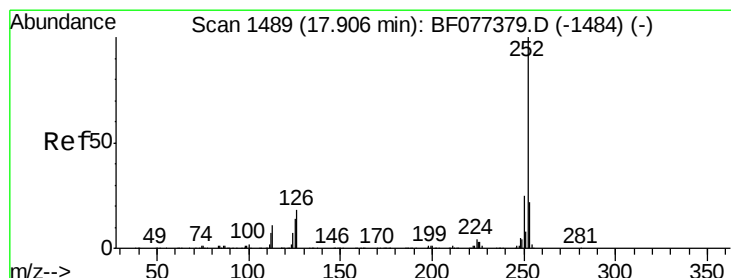
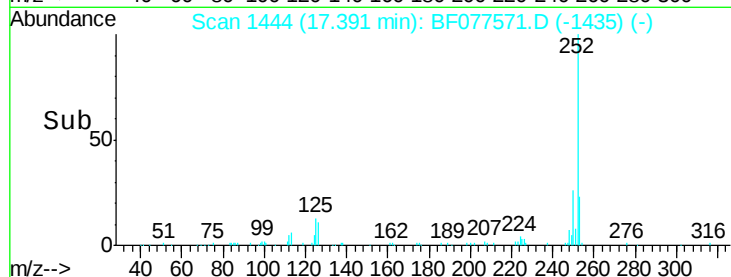
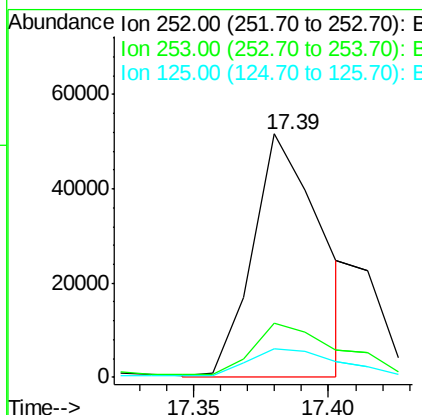
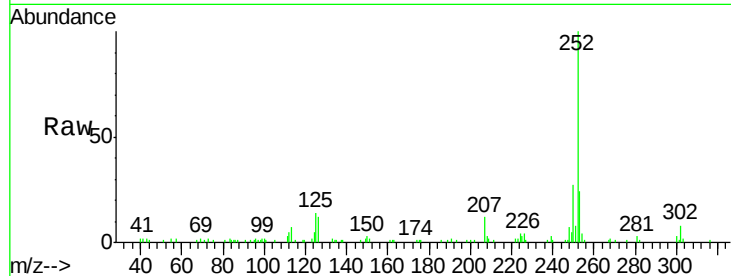
#87
Benzo(b)fluoranthene
Concen: 4.21 ng m
RT: 17.39 min Scan# 1444
Delta R.T. 0.01 min
Lab File: BF077571.D
Acq: 4 Mar 2015 4:19

Instrument :
BNA_F
ClientSampleId :
MW44DL2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.6	26.4
125	13.5	5.4	8.2

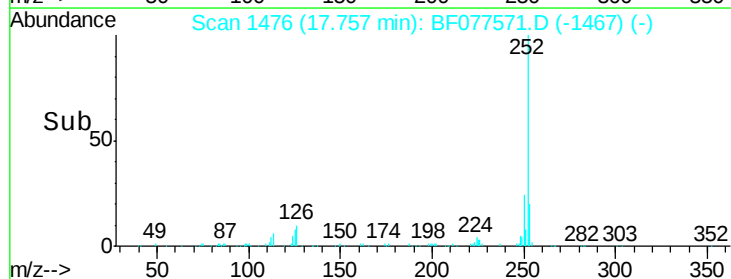
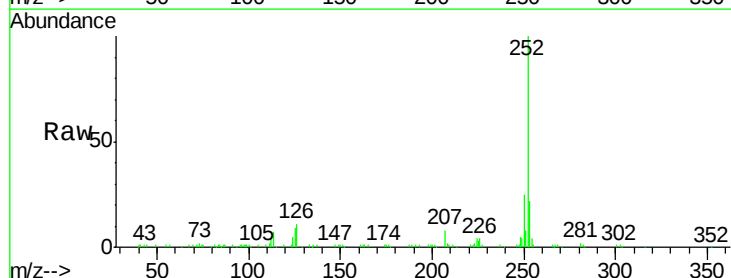
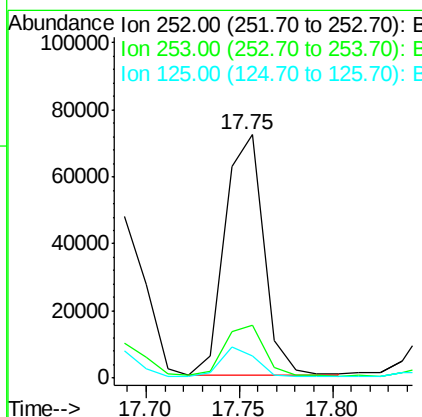
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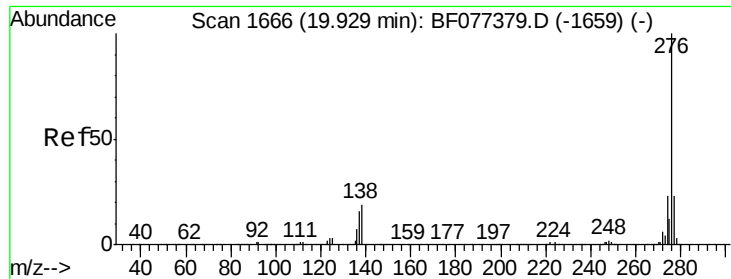
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#89
Benzo(a)pyrene
Concen: 5.02 ng
RT: 17.75 min Scan# 1476
Delta R.T. -0.00 min
Lab File: BF077571.D
Acq: 4 Mar 2015 4:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.2
125	9.0	8.3	12.5





#91
 Benzo(g,h,i)perylene
 Concen: 2.17 ng
 RT: 19.67 min Scan# 1644
 Delta R.T. -0.01 min
 Lab File: BF077571.D
 Acq: 4 Mar 2015 4:19

Instrument :
 BNA_F
 ClientSampleId :
 MW44DL2

Tgt Ion:	276	Resp:	43453
Ion Ratio	Lower	Upper	
276	100		
277	22.8	18.9	28.3
138	21.0	20.5	30.7

Manual Integrations
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