

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
 Data File : BF077536.D
 Acq On : 2 Mar 2015 21:46
 Operator : TP/IZ
 Sample : G1399-12
 Misc : S
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB6

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Quant Time: Mar 03 04:34:05 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	87375	20.00	ng	0.00
21) Naphthalene-d8	8.84	136	351643	20.00	ng	0.00
38) Acenaphthene-d10	11.01	164	179707	20.00	ng	0.00
63) Phenanthrene-d10	12.85	188	365697	20.00	ng	0.00
75) Chrysene-d12	16.14	240	407268	20.00	ng	0.00
86) Perylene-d12	17.86	264	393178	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	414461	79.19	ng	0.00
7) Phenol-d6	6.82	99	505922	75.18	ng	0.00
23) Nitrobenzene-d5	7.95	82	300482	53.14	ng	0.00
41) 2,4,6-Tribromophenol	11.99	330	139756	80.77	ng	0.00
44) 2-Fluorobiphenyl	10.18	172	614647	53.33	ng	0.00
78) Terphenyl-d14	14.85	244	751916	43.16	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	10.84	152	38210	2.26	ng	99
70) Phenanthrene	12.88	178	85212	4.02	ng	99
71) Anthracene	12.95	178	46580	2.21	ng	99
74) Fluoranthene	14.36	202	335908	14.51	ng	99
77) Pyrene	14.64	202	326292	13.10	ng	# 95
80) Benzo(a)anthracene	16.13	228	261324m	10.95	ng	
82) Chrysene	16.17	228	247240m	11.03	ng	
85) Indeno(1,2,3-cd)pyrene	19.31	276	201718m	7.89	ng	
87) Benzo(b)fluoranthene	17.43	252	397820m	17.40	ng	
88) Benzo(k)fluoranthene	17.45	252	142687m	6.37	ng	
89) Benzo(a)pyrene	17.80	252	301202	13.83	ng	# 95
90) Dibenzo(a,h)anthracene	19.33	278	49157	2.37	ng	# 89
91) Benzo(g,h,i)perylene	19.74	276	184581	8.81	ng	96

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

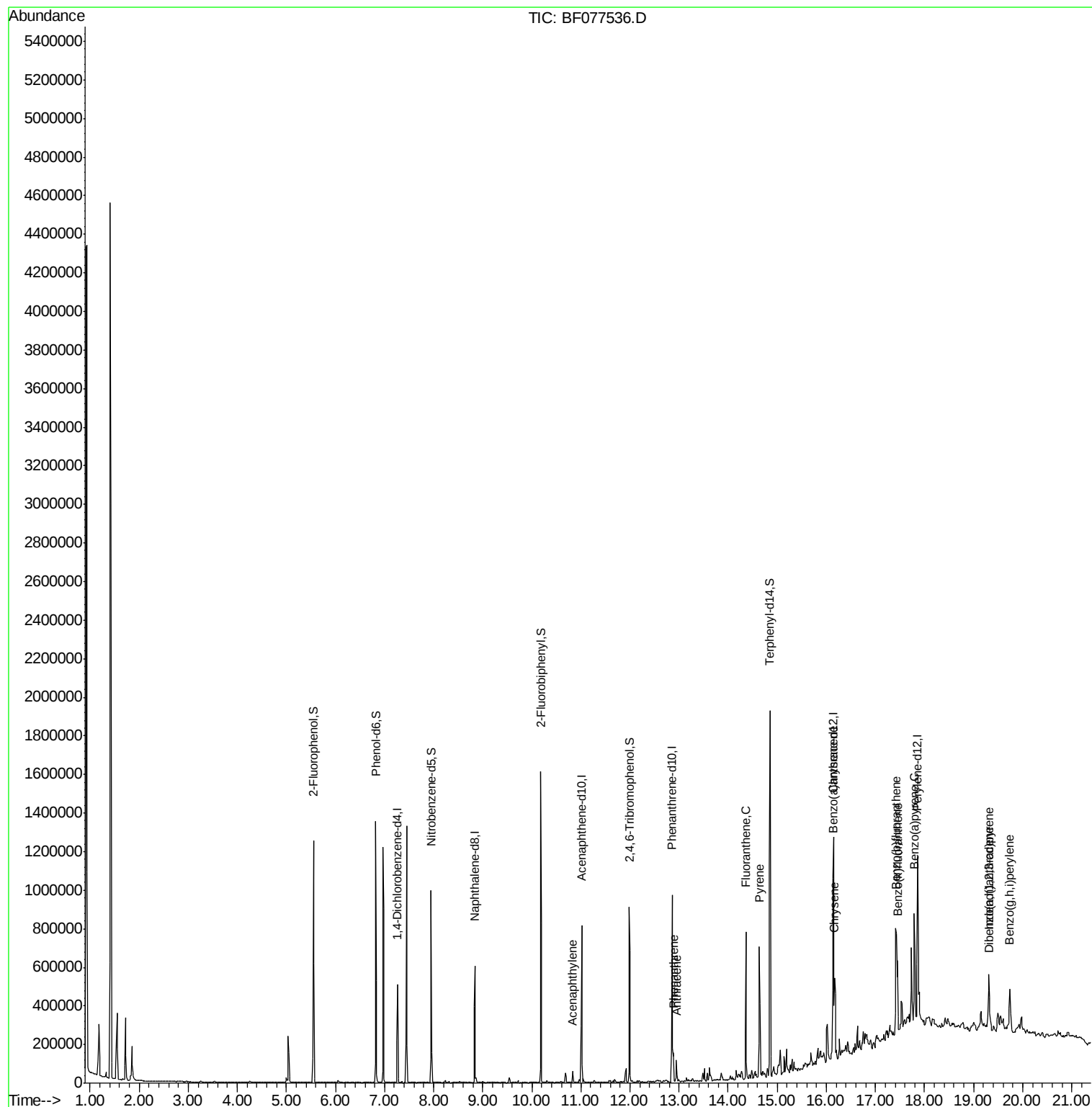
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
Data File : BF077536.D
Acq On : 2 Mar 2015 21:46
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Misc : S
ALS Vial : 17 Sample Multiplier: 1

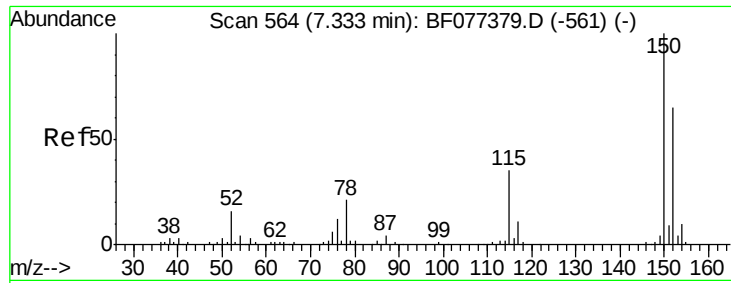
Instrument :
BNA_F
ClientSampled :
SB6

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Quant Time: Mar 03 04:34:05 2015
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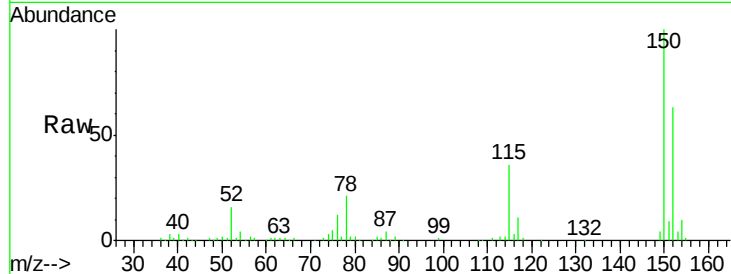




#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.26 min Scan# 558
 Delta R.T. 0.00 min
 Lab File: BF077536.D
 Acq: 2 Mar 2015 21:46

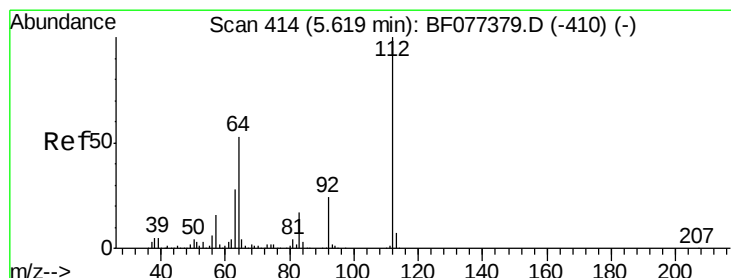
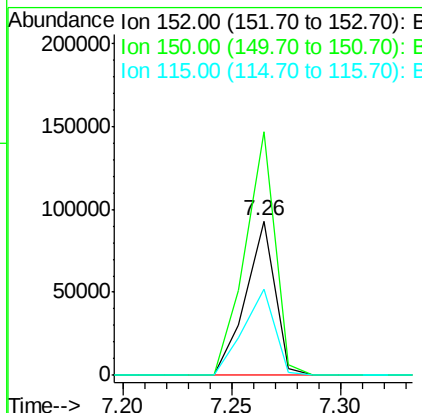
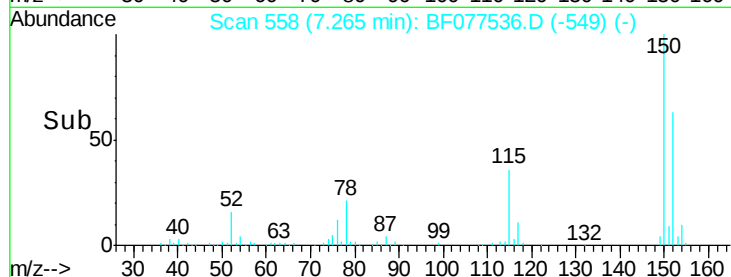
Instrument :
 BNA_F
 ClientSampleId :
 SB6



Tgt Ion:	152	Resp:	87375
Ion Ratio	Lower	Upper	
152	100		
150	158.0	124.0	186.0
115	56.2	49.4	74.2

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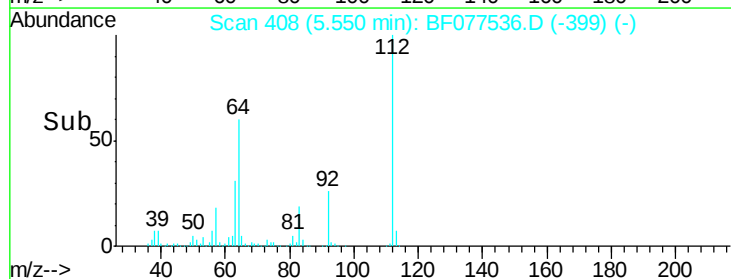
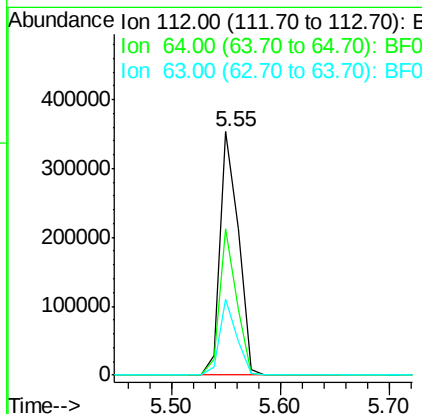
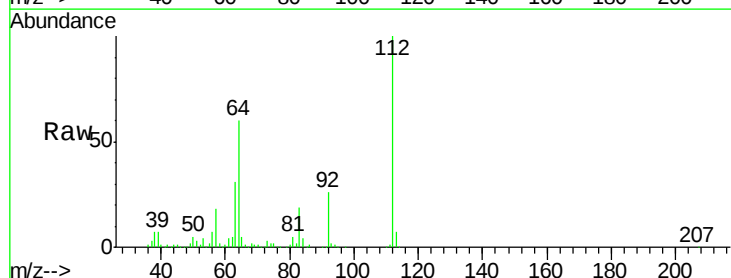
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#5

2-Fluorophenol
 Concen: 79.19 ng
 RT: 5.55 min Scan# 408
 Delta R.T. 0.01 min
 Lab File: BF077536.D
 Acq: 2 Mar 2015 21:46

Tgt Ion:	112	Resp:	414461
Ion Ratio	Lower	Upper	
112	100		
64	60.3	48.5	72.7
63	31.4	25.0	37.4





#7

Phenol-d6

Concen: 75.18 ng

RT: 6.82 min Scan# 519

Delta R.T. 0.01 min

Lab File: BF077536.D

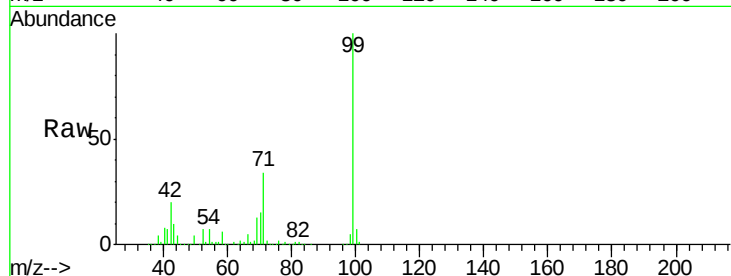
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Instrument :

BNA_F

ClientSampled :

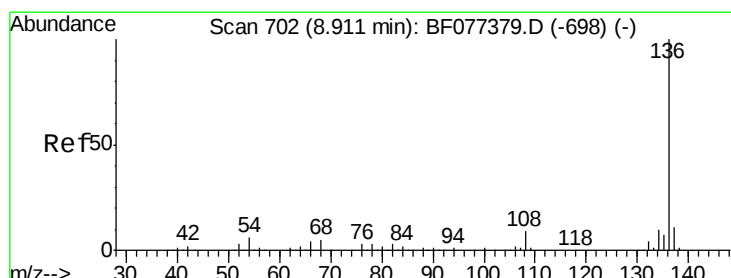
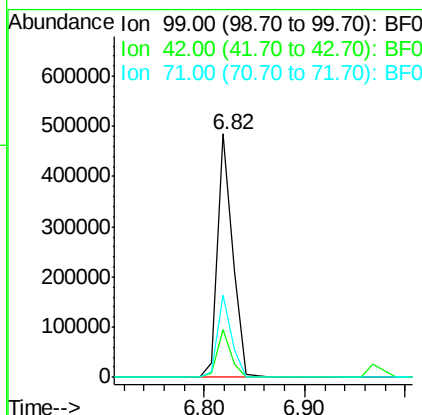
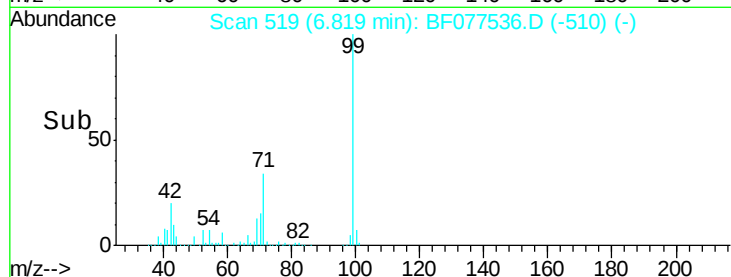
SB6



Tgt Ion:	99	Resp:	505922
Ion Ratio	Lower	Upper	
99	100		
42	19.6	16.2	24.4
71	34.1	26.7	40.1

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#21

Naphthalene-d8

Concen: 20.00 ng

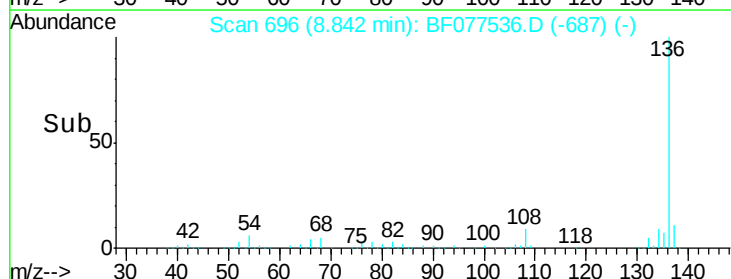
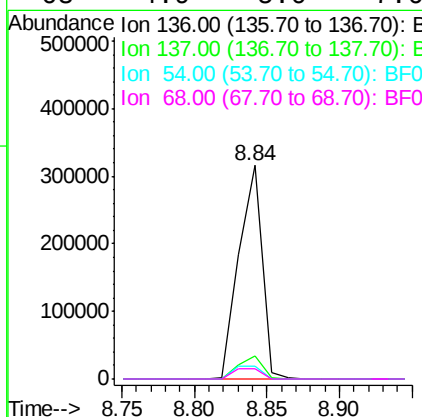
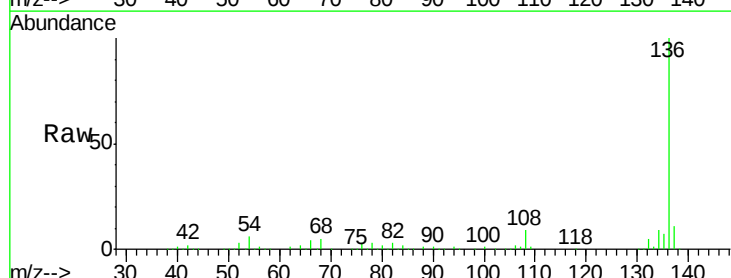
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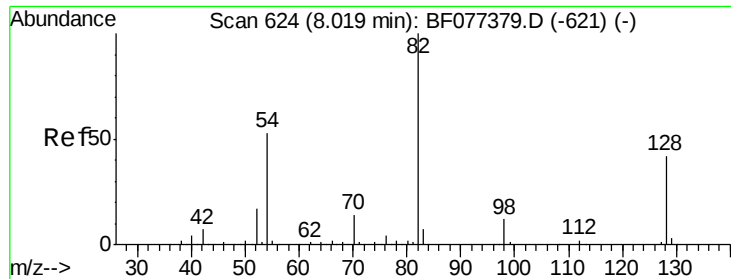
Delta R.T. 0.00 min

Lab File: BF077536.D

Acq: 2 Mar 2015 21:46

Tgt Ion:	136	Resp:	351643
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.6	13.0
54	5.7	6.2	9.4#
68	4.9	5.0	7.6#





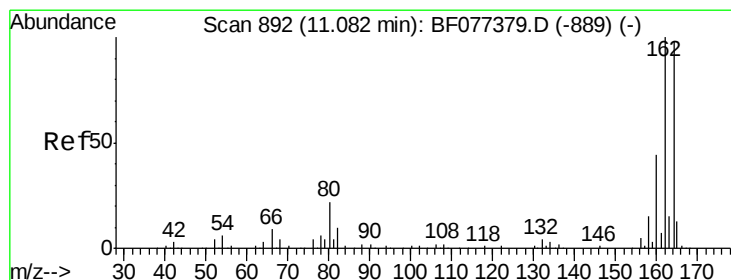
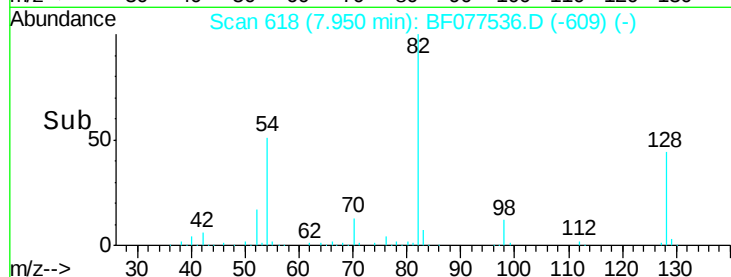
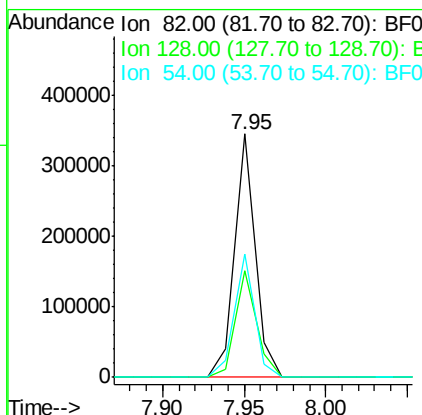
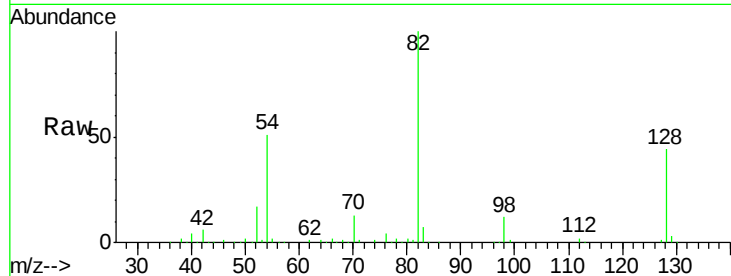
#23
 Nitrobenzene-d5
 Concen: 53.14 ng
 RT: 7.95 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: BF077536.D
 Acq: 2 Mar 2015 21:46

Instrument :
 BNA_F
 ClientSampled :
 SB6

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	300482		
128	44.0	43.8	65.8	
54	50.6	36.7	55.1	

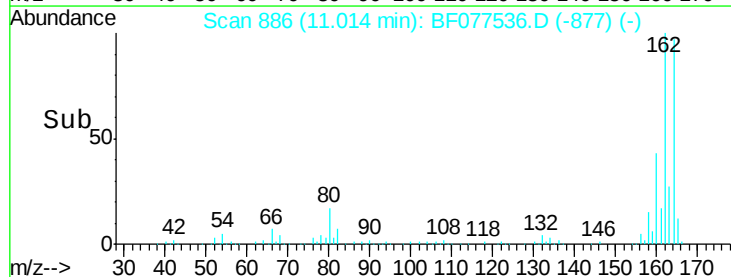
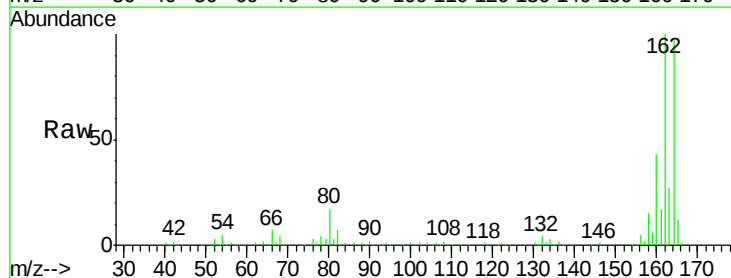
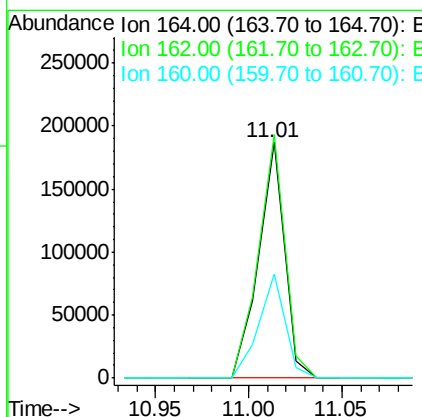
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.01 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: BF077536.D
 Acq: 2 Mar 2015 21:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	179707		
162	103.5	83.2	124.8	
160	44.0	34.6	52.0	





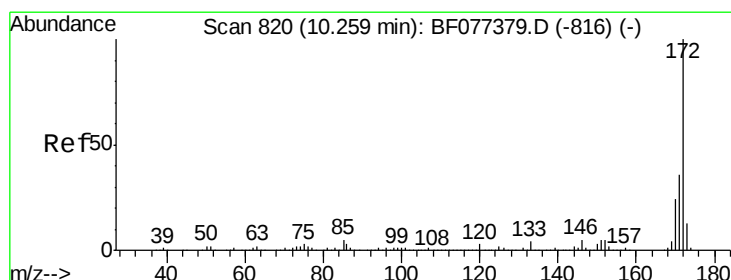
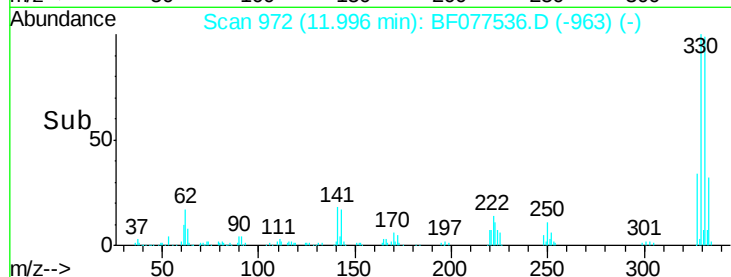
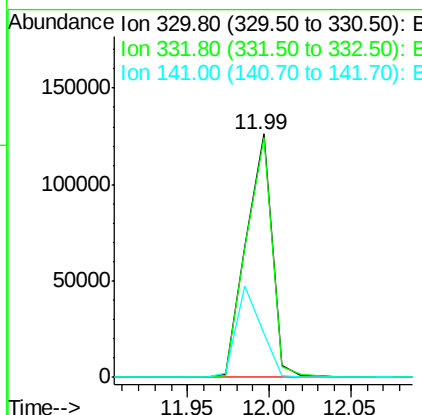
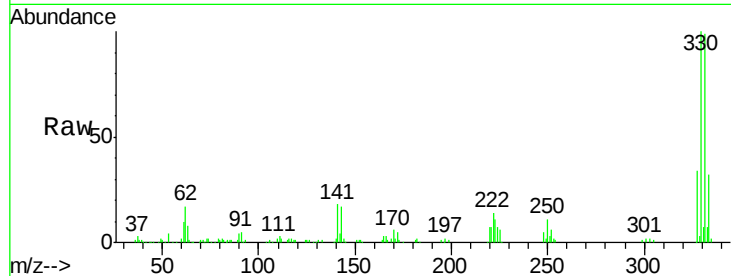
#41
 2,4,6-Tribromophenol
 Concen: 80.77 ng
 RT: 11.99 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: BF077536.D
 Acq: 2 Mar 2015 21:46

Instrument :
 BNA_F
 ClientSampled :
 SB6

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	139756		
332	98.4	77.4	116.2	
141	36.3	28.8	43.2	

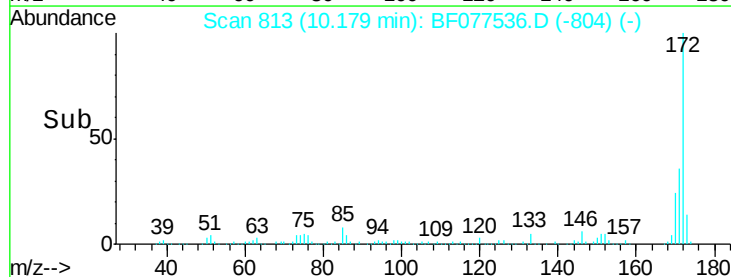
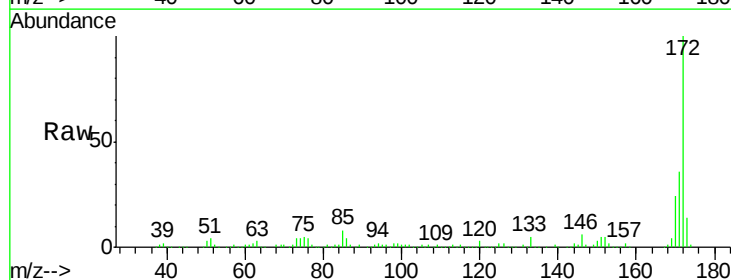
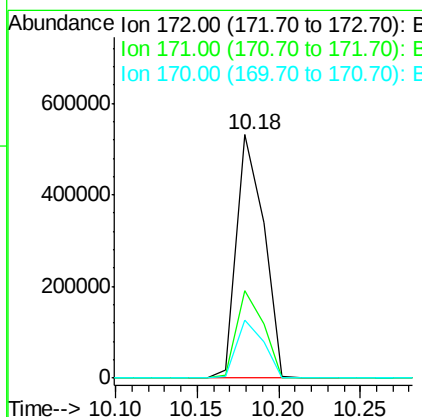
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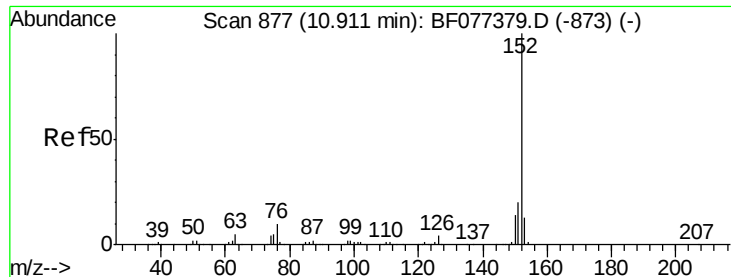
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#44
 2-Fluorobiphenyl
 Concen: 53.33 ng
 RT: 10.18 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BF077536.D
 Acq: 2 Mar 2015 21:46

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	614647		
171	36.1	28.9	43.3	
170	23.9	19.4	29.2	





#48

Acenaphthylene

Concen: 2.26 ng

RT: 10.84 min Scan# 870

Delta R.T. 0.00 min

Lab File: BF077536.D

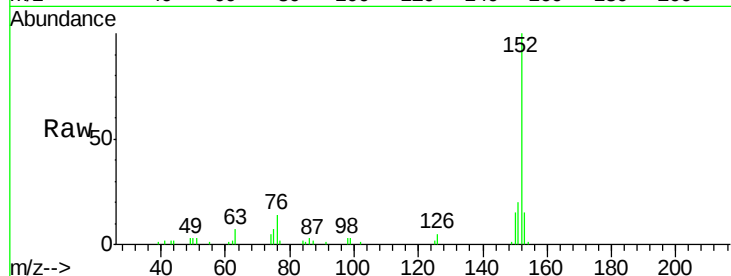
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Instrument :

BNA_F

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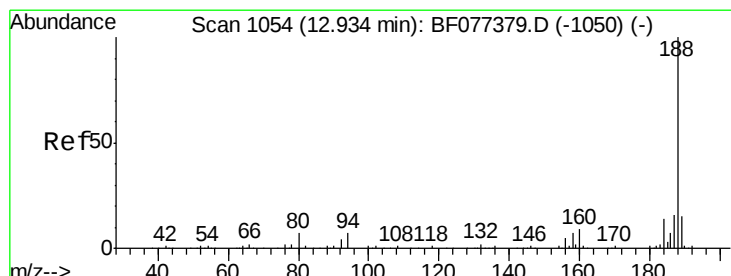
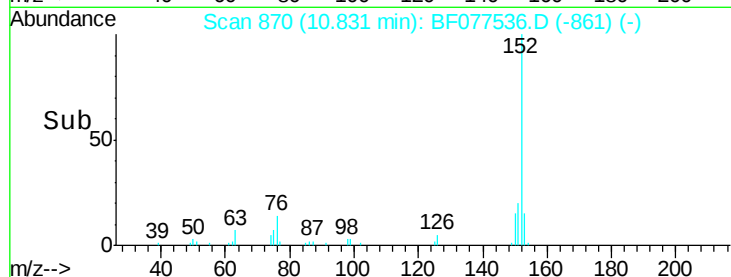
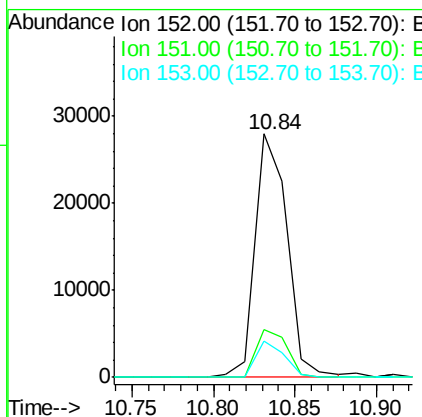
SB6



Tgt Ion:	152	Resp:	38210
Ion Ratio	Lower	Upper	
152	100		
151	19.9	16.1	24.1
153	14.7	10.9	16.3

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#63

Phenanthrene-d10

Concen: 20.00 ng

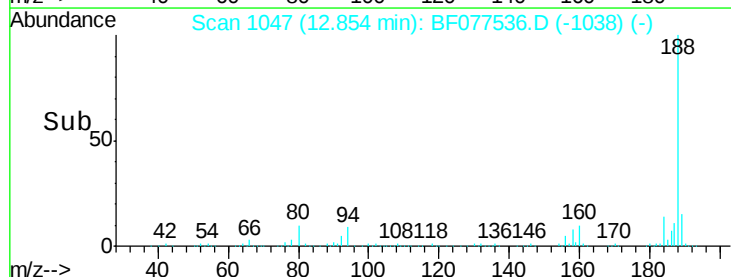
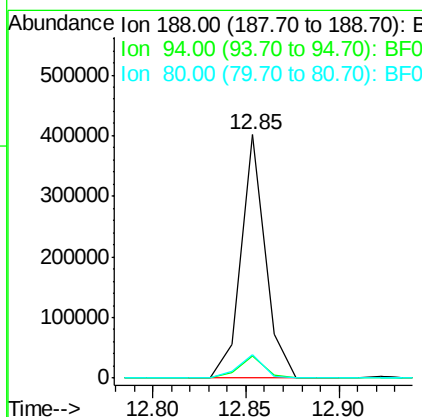
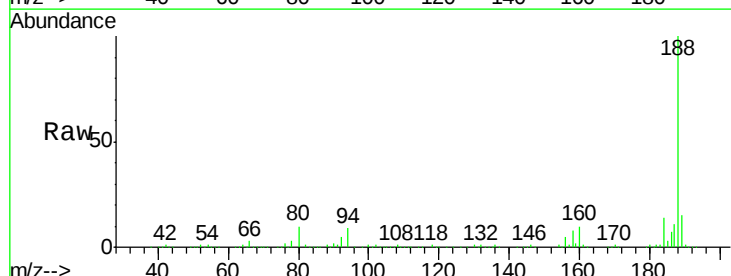
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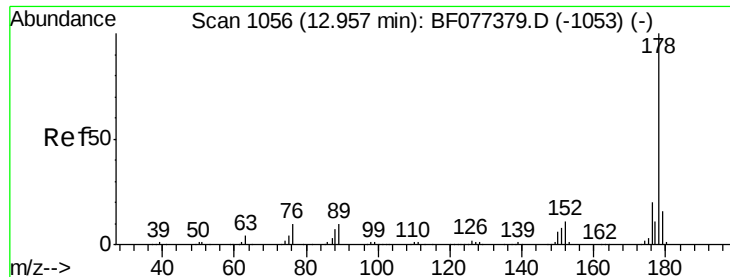
Delta R.T. 0.00 min

Lab File: BF077536.D

Acq: 2 Mar 2015 21:46

Tgt Ion:	188	Resp:	365697
Ion Ratio	Lower	Upper	
188	100		
94	9.3	7.4	11.2
80	9.6	8.0	12.0





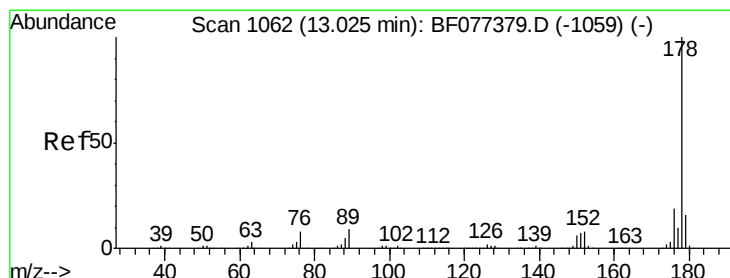
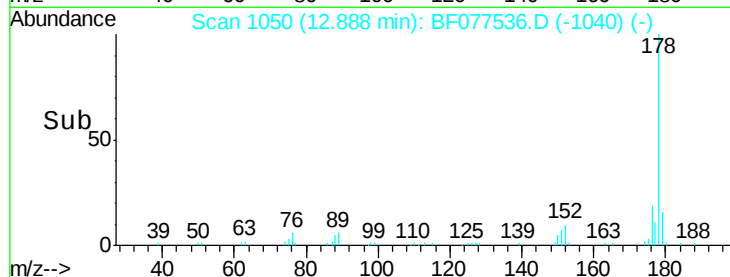
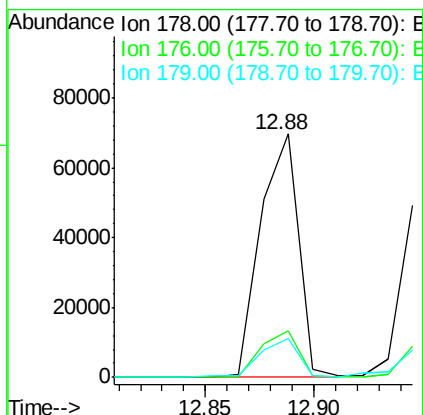
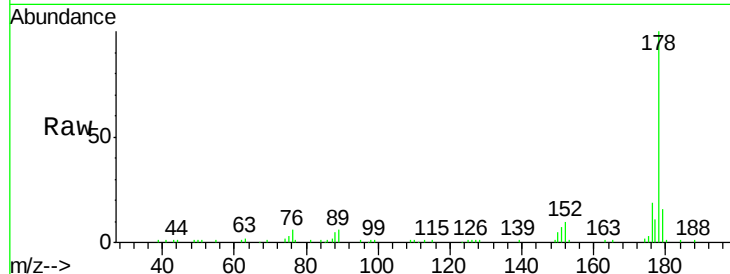
#70
Phenanthrene
Concen: 4.02 ng
RT: 12.88 min Scan# 1050
Delta R.T. 0.00 min
Lab File: BF077536.D
Acq: 2 Mar 2015 21:46

Instrument :
BNA_F
ClientSampleId :
SB6

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.5	23.3
179	15.9	12.2	18.2

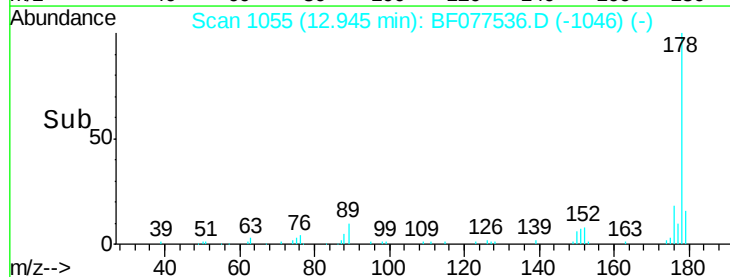
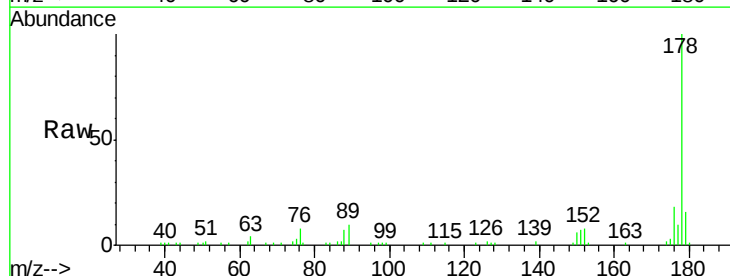
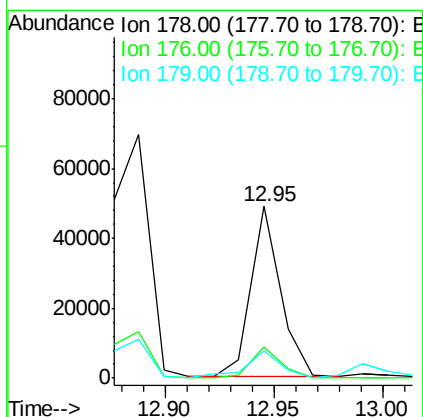
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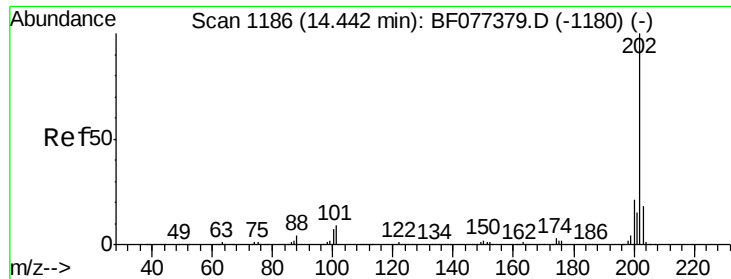
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#71
Anthracene
Concen: 2.21 ng
RT: 12.95 min Scan# 1055
Delta R.T. 0.00 min
Lab File: BF077536.D
Acq: 2 Mar 2015 21:46

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.0
179	16.1	12.9	19.3





#74

Fluoranthene

Concen: 14.51 ng

RT: 14.36 min Scan# 1179

Delta R.T. 0.01 min

Lab File: BF077536.D

Acq: 2 Mar 2015 21:46

Instrument :

BNA_F

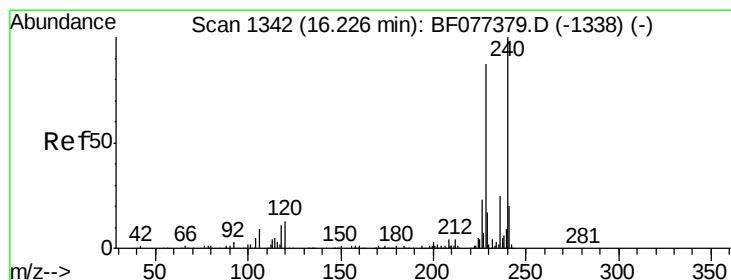
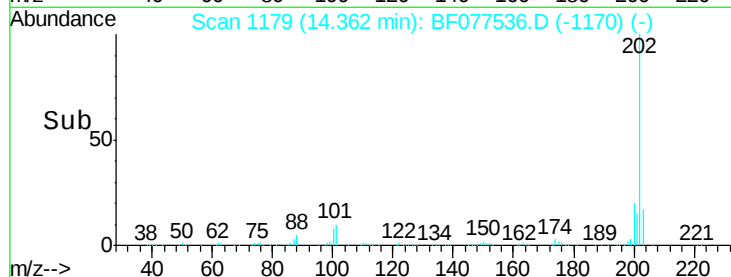
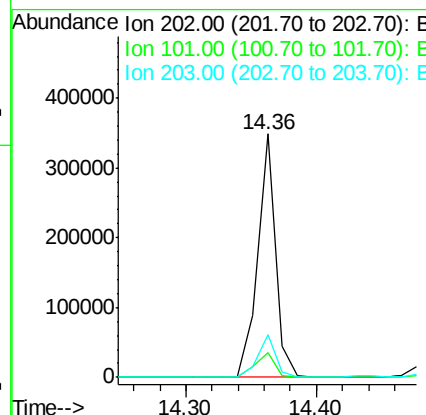
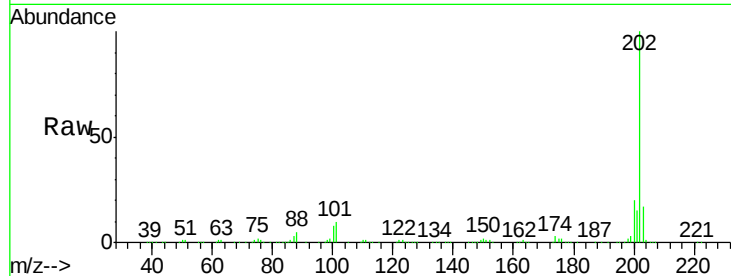
ClientSampleId :

SB6

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		335908		
101	10.4	0.0	30.8		
203	17.4	0.0	37.7		

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#75

Chrysene-d12

Concen: 20.00 ng

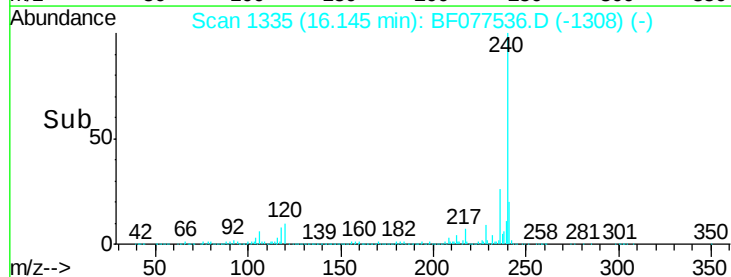
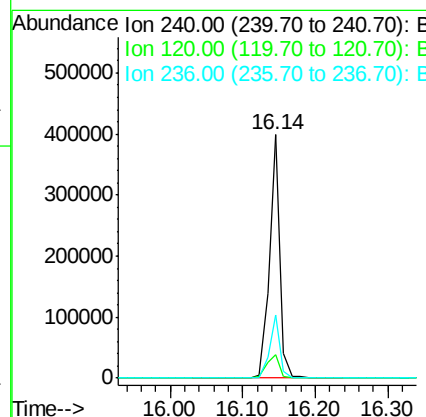
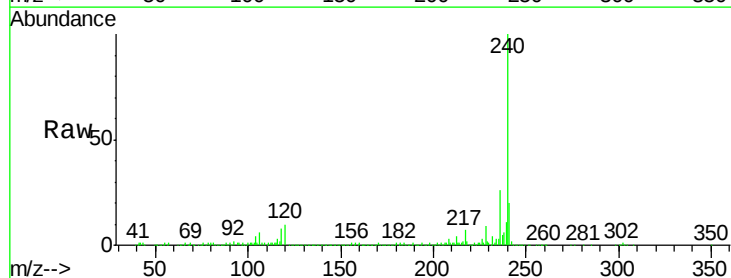
RT: 16.14 min Scan# 1335

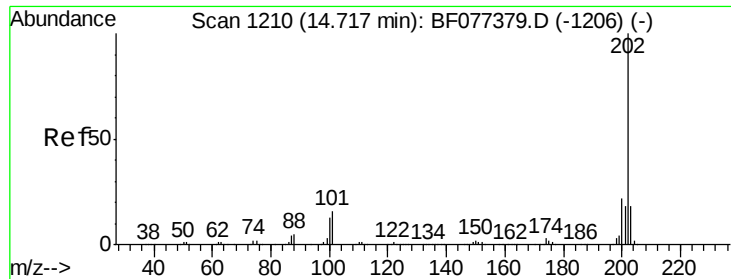
Delta R.T. 0.01 min

Lab File: BF077536.D

Acq: 2 Mar 2015 21:46

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		407268		
120	9.6	8.8	13.2		
236	25.8	20.7	31.1		





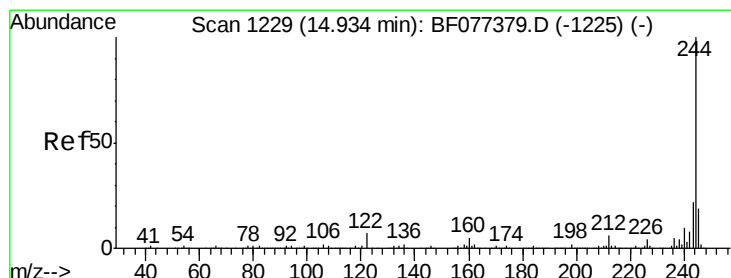
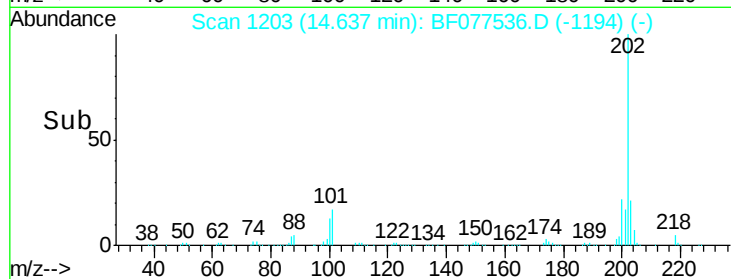
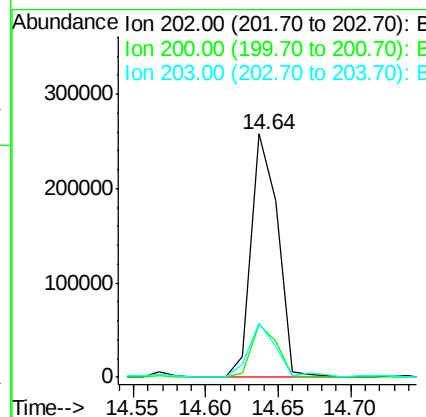
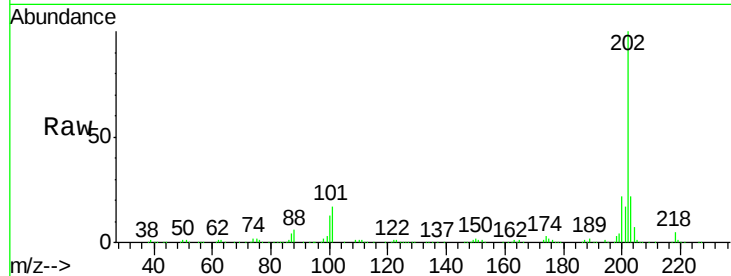
#77
 Pyrene
 Concen: 13.10 ng
 RT: 14.64 min Scan# 1203
 Delta R.T. 0.01 min
 Lab File: BF077536.D
 Acq: 2 Mar 2015 21:46

Instrument :
 BNA_F
 ClientSampleId :
 SB6

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.6	17.1	25.7
203	22.2	14.2	21.2

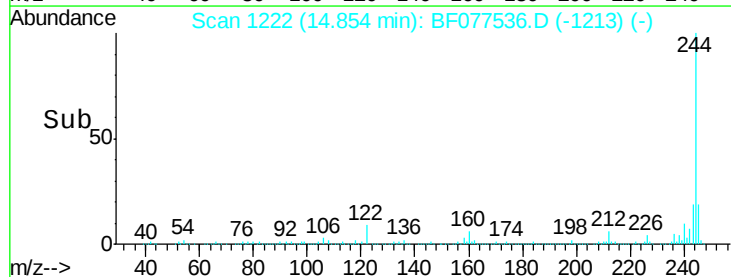
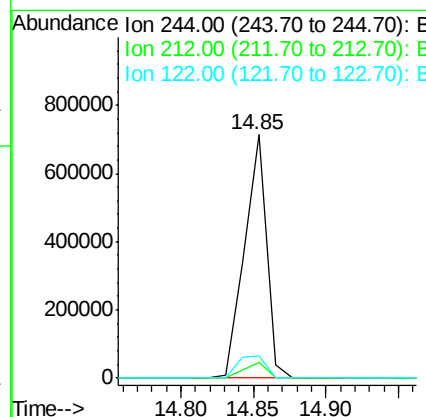
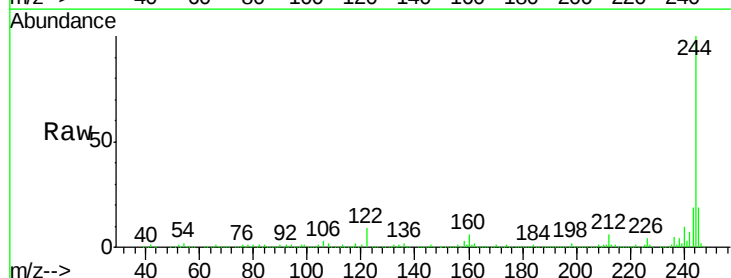
Manual Integrations
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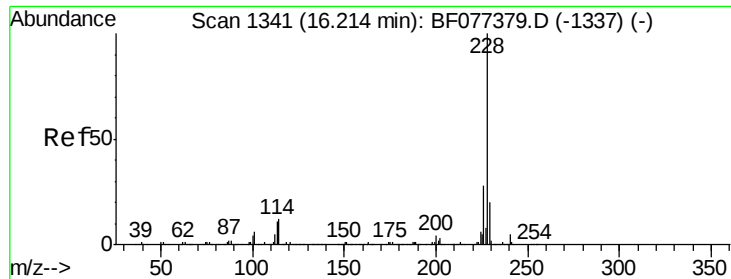
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#78
 Terphenyl-d14
 Concen: 43.16 ng
 RT: 14.85 min Scan# 1222
 Delta R.T. 0.01 min
 Lab File: BF077536.D
 Acq: 2 Mar 2015 21:46

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.3	5.2	7.8
122	9.2	7.8	11.8





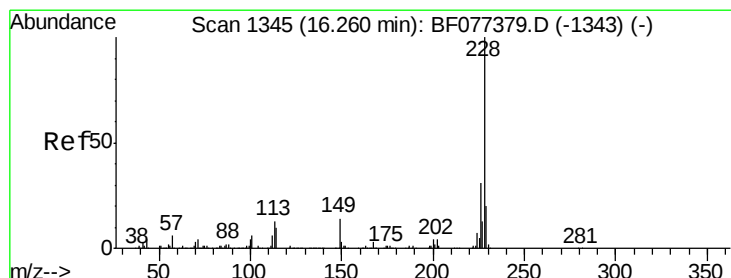
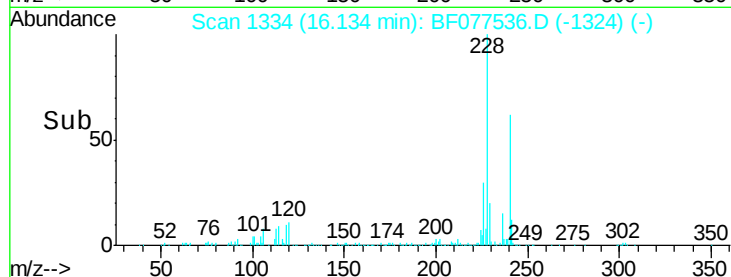
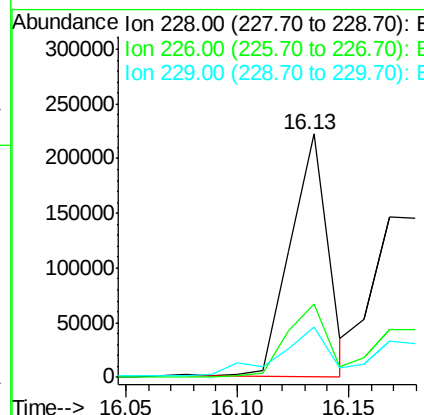
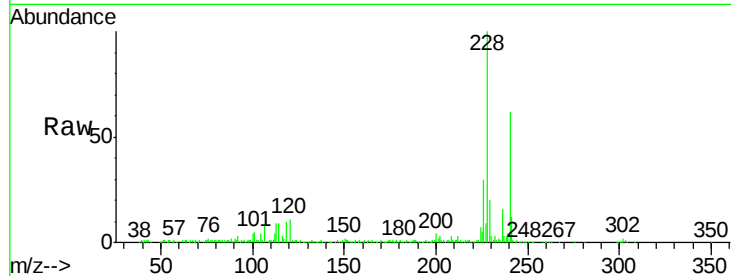
#80
Benzo(a)anthracene
Concen: 10.95 ng m
RT: 16.13 min Scan# 1334
Delta R.T. 0.01 min
Lab File: BF077536.D
Acq: 2 Mar 2015 21:46

Instrument :
BNA_F
ClientSampled :
SB6

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	261324		
226	30.3	22.0	33.0	
229	20.5	15.8	23.8	

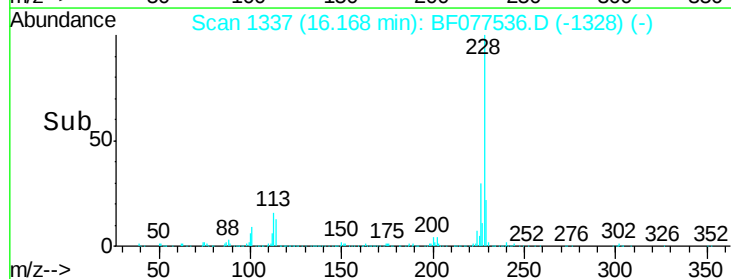
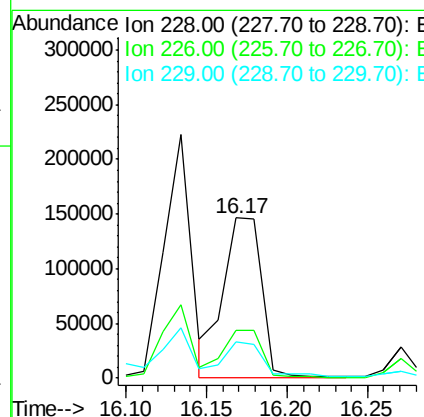
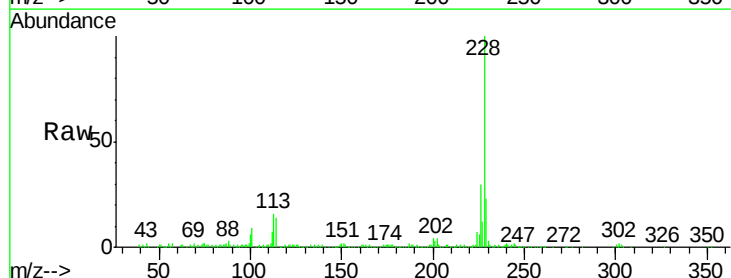
Manual Integrations
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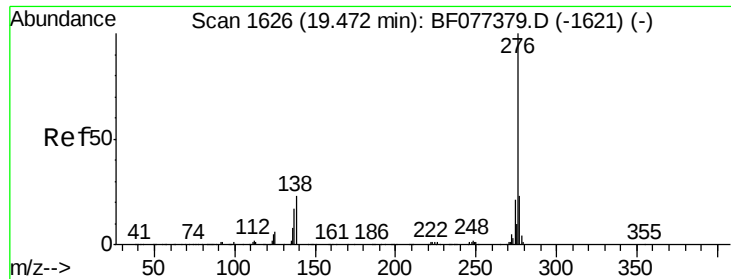
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#82
Chrysene
Concen: 11.03 ng m
RT: 16.17 min Scan# 1337
Delta R.T. 0.00 min
Lab File: BF077536.D
Acq: 2 Mar 2015 21:46

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	247240		
226	30.2	24.9	37.3	
229	22.5	16.4	24.6	





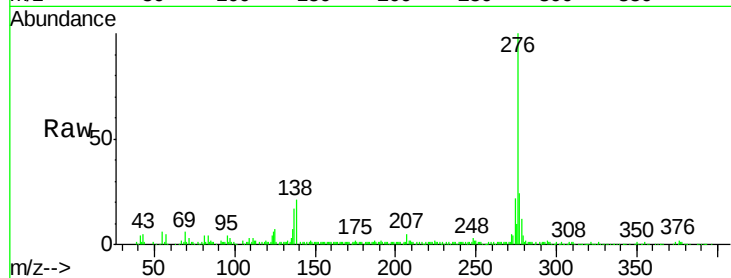
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.89 ng m
 RT: 19.31 min Scan# 1612
 Delta R.T. 0.03 min
 Lab File: BF077536.D
 Acq: 2 Mar 2015 21:46

Instrument :
 BNA_F
 ClientSampleId :
 SB6

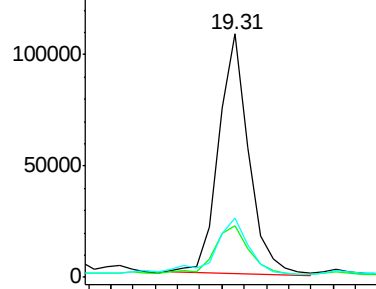
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.2	21.2	31.8
277	24.3	20.0	30.0

Manual Integrations
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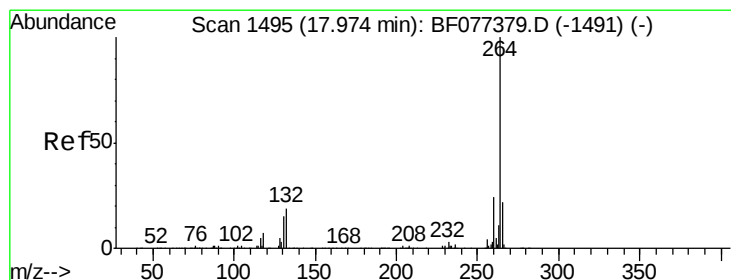
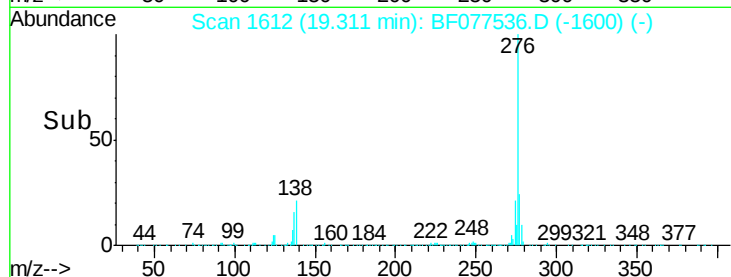
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Abundance Ion 276.00 (275.70 to 276.70): E
 150000 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

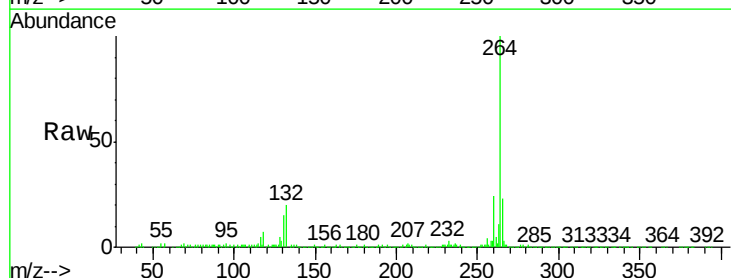


Time-->

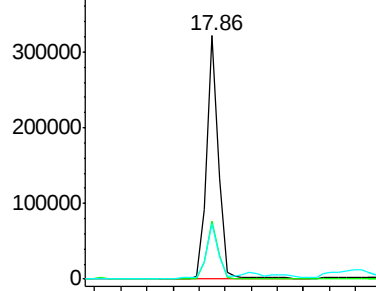


#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.86 min Scan# 1485
 Delta R.T. 0.03 min
 Lab File: BF077536.D
 Acq: 2 Mar 2015 21:46

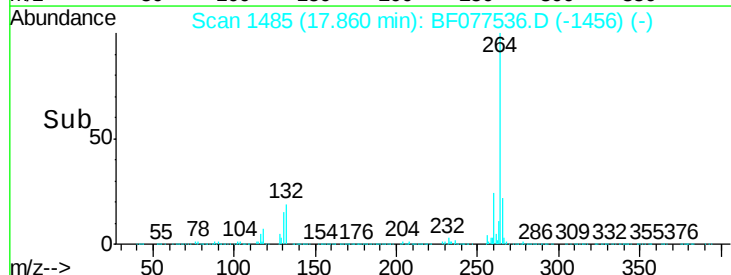
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.3	28.9
265	22.6	16.8	25.2

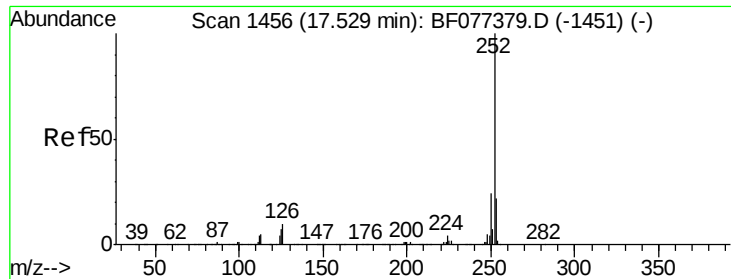


Abundance Ion 264.00 (263.70 to 264.70): E
 400000 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E



Time-->





#87

Benzo(b)fluoranthene

Concen: 17.40 ng m

RT: 17.43 min Scan# 1447

Delta R.T. 0.03 min

Lab File: BF077536.D

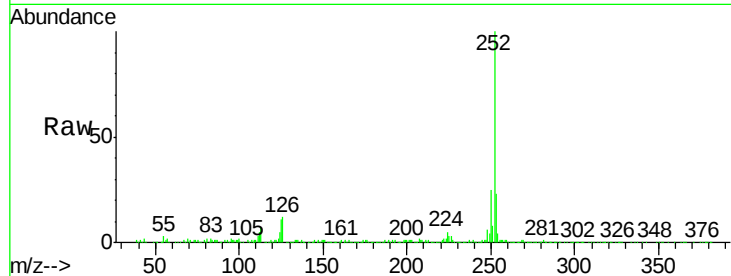
Acq: 2 Mar 2015 21:46

Instrument :

BNA_F

ClientSampled :

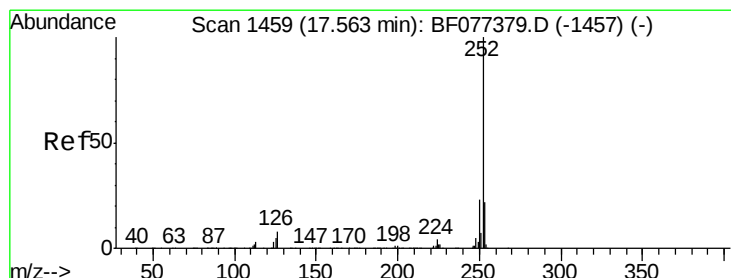
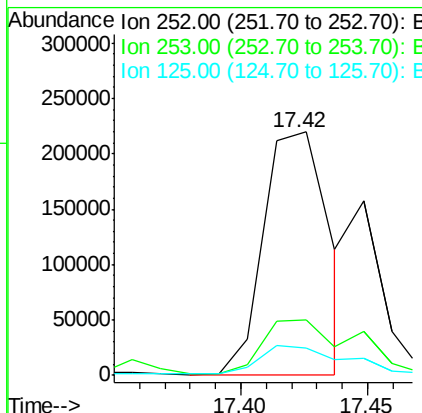
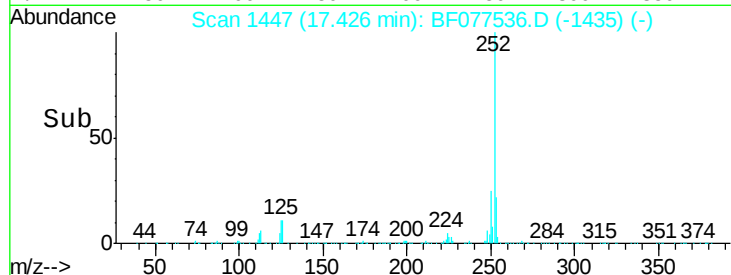
SB6



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.6	26.4
125	11.4	5.4	8.2#

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#88

Benzo(k)fluoranthene

Concen: 6.37 ng m

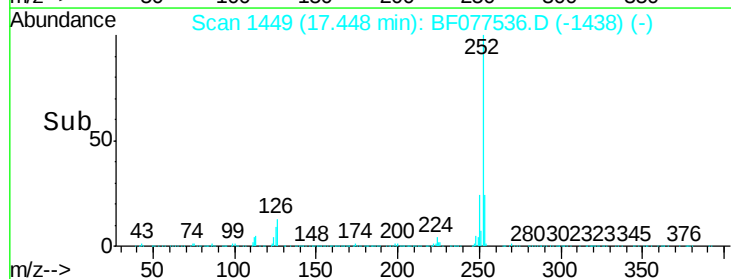
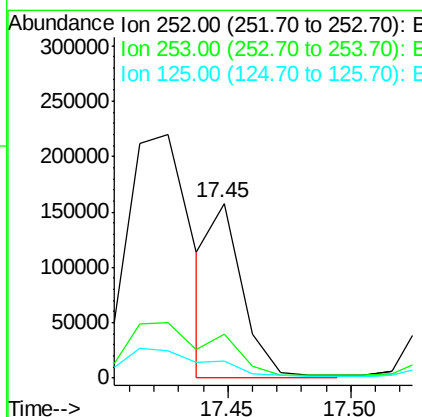
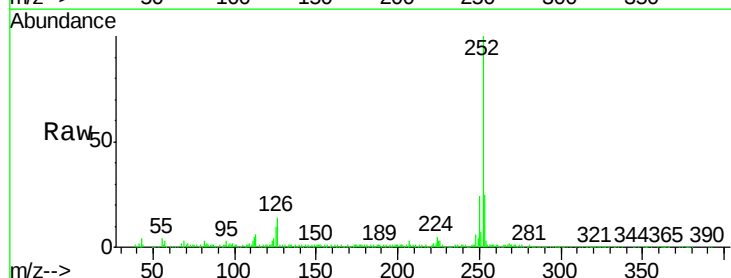
RT: 17.45 min Scan# 1449

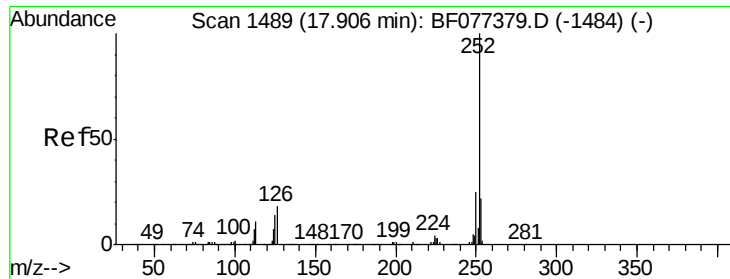
Delta R.T. 0.02 min

Lab File: BF077536.D

Acq: 2 Mar 2015 21:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.1	27.1
125	9.6	10.1	15.1#





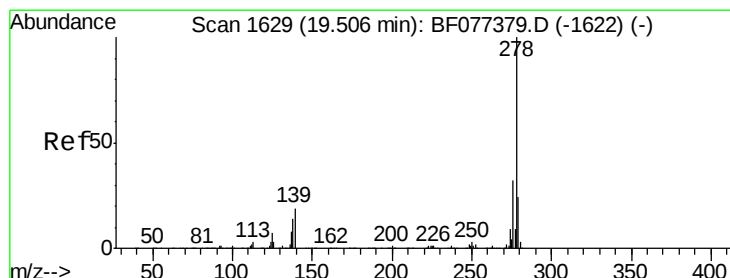
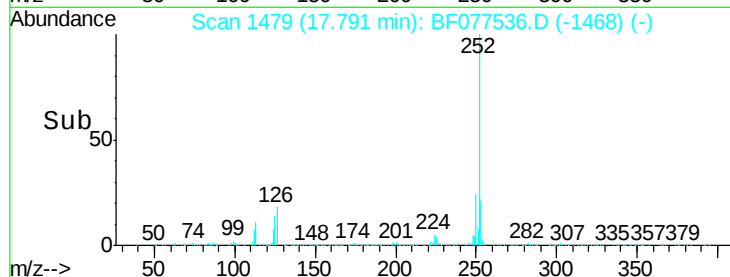
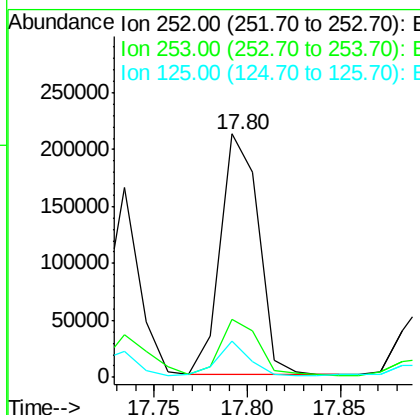
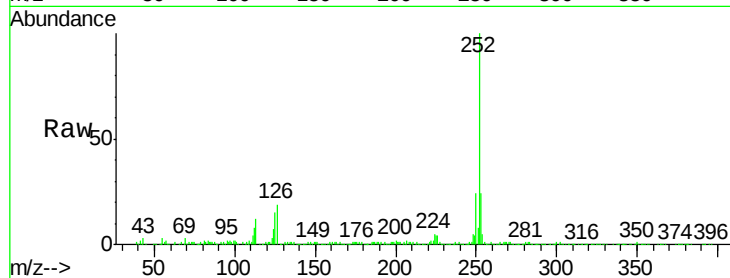
#89
Benzo(a)pyrene
Concen: 13.83 ng
RT: 17.80 min Scan# 1479
Delta R.T. 0.03 min
Lab File: BF077536.D
Acq: 2 Mar 2015 21:46

Instrument :
BNA_F
ClientSampleId :
SB6

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.2
125	14.9	8.3	12.5#

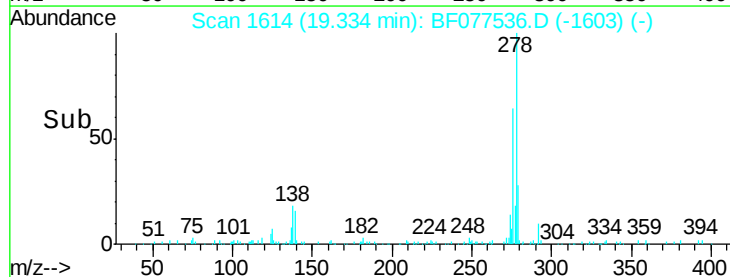
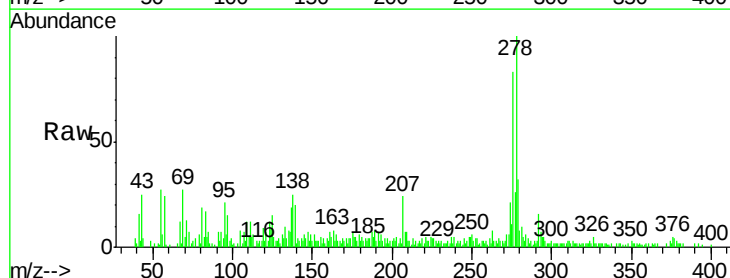
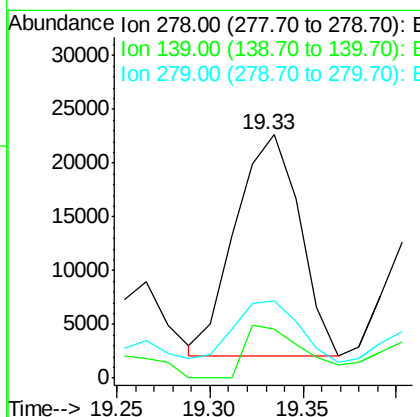
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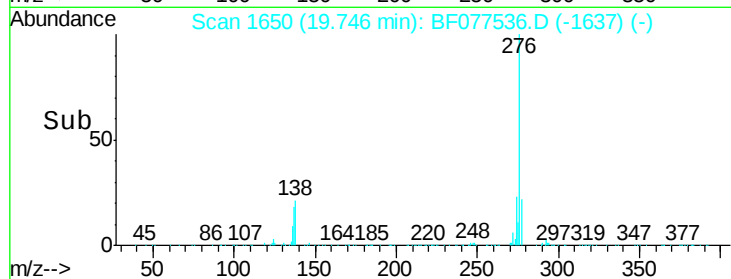
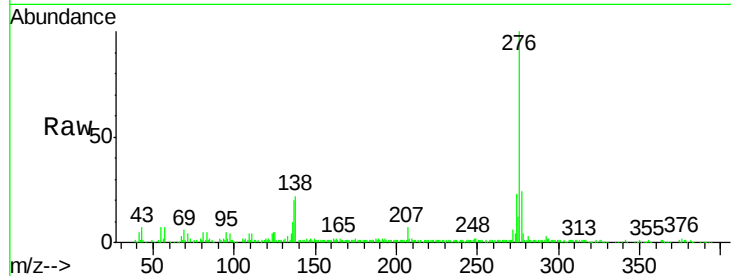
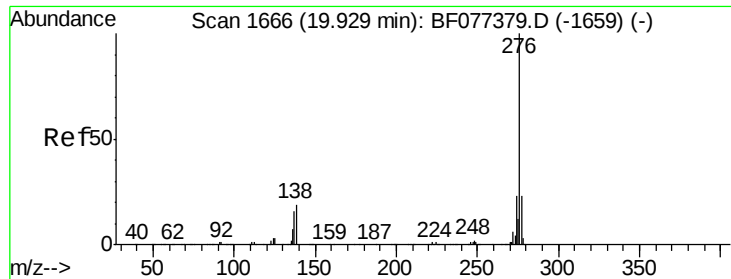
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#90
Dibenzo(a,h)anthracene
Concen: 2.37 ng
RT: 19.33 min Scan# 1614
Delta R.T. 0.03 min
Lab File: BF077536.D
Acq: 2 Mar 2015 21:46

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.4	14.3	21.5
279	31.6	19.0	28.6#





#91

Benzo(g,h,i)perylene

Concen: 8.81 ng

RT: 19.74 min Scan# 1650

Delta R.T. 0.04 min

Lab File: BF077536.D

Acq: 2 Mar 2015 21:46

Instrument :

BNA_F

ClientSampleId :

SB6

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		184581		
277	24.1	18.9	28.3		
138	22.2	20.5	30.7		

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