

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
 Data File : BF077527.D
 Acq On : 2 Mar 2015 17:30
 Operator : TP/IZ
 Sample : G1399-11 2X
 Misc : S
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB5

Manual Integrations
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Quant Time: Mar 03 05:50:49 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	105302	20.00	ng	0.00
21) Naphthalene-d8	8.84	136	420736	20.00	ng	0.00
38) Acenaphthene-d10	11.01	164	210121	20.00	ng	0.00
63) Phenanthrene-d10	12.85	188	415442	20.00	ng	0.00
75) Chrysene-d12	16.16	240	450027	20.00	ng	0.03
86) Perylene-d12	17.98	264	452257	20.00	ng	0.15
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	236908	37.56	ng	0.00
7) Phenol-d6	6.82	99	325675	40.16	ng	0.00
23) Nitrobenzene-d5	7.95	82	192323	28.43	ng	0.00
41) 2,4,6-Tribromophenol	11.99	330	74323	36.74	ng	0.00
44) 2-Fluorobiphenyl	10.18	172	395666	29.36	ng	0.00
78) Terphenyl-d14	14.85	244	449669	23.36	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	10.83	152	119131	6.03	ng	98
57) Fluorene	11.68	166	48736	3.35	ng	94
70) Phenanthrene	12.88	178	337102	14.00	ng	99
71) Anthracene	12.94	178	141795	5.93	ng	100
74) Fluoranthene	14.36	202	555856	21.13	ng	98
77) Pyrene	14.64	202	616053	22.38	ng	98
80) Benzo(a)anthracene	16.15	228	353095m	13.39	ng	
82) Chrysene	16.19	228	310644	12.54	ng	96
85) Indeno(1,2,3-cd)pyrene	19.45	276	189607m	6.71	ng	
87) Benzo(b)fluoranthene	17.51	252	408589m	15.54	ng	
88) Benzo(k)fluoranthene	17.54	252	122245m	4.74	ng	
89) Benzo(a)pyrene	17.91	252	300402m	11.99	ng	
91) Benzo(g,h,i)perylene	19.88	276	189259	7.85	ng	98

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

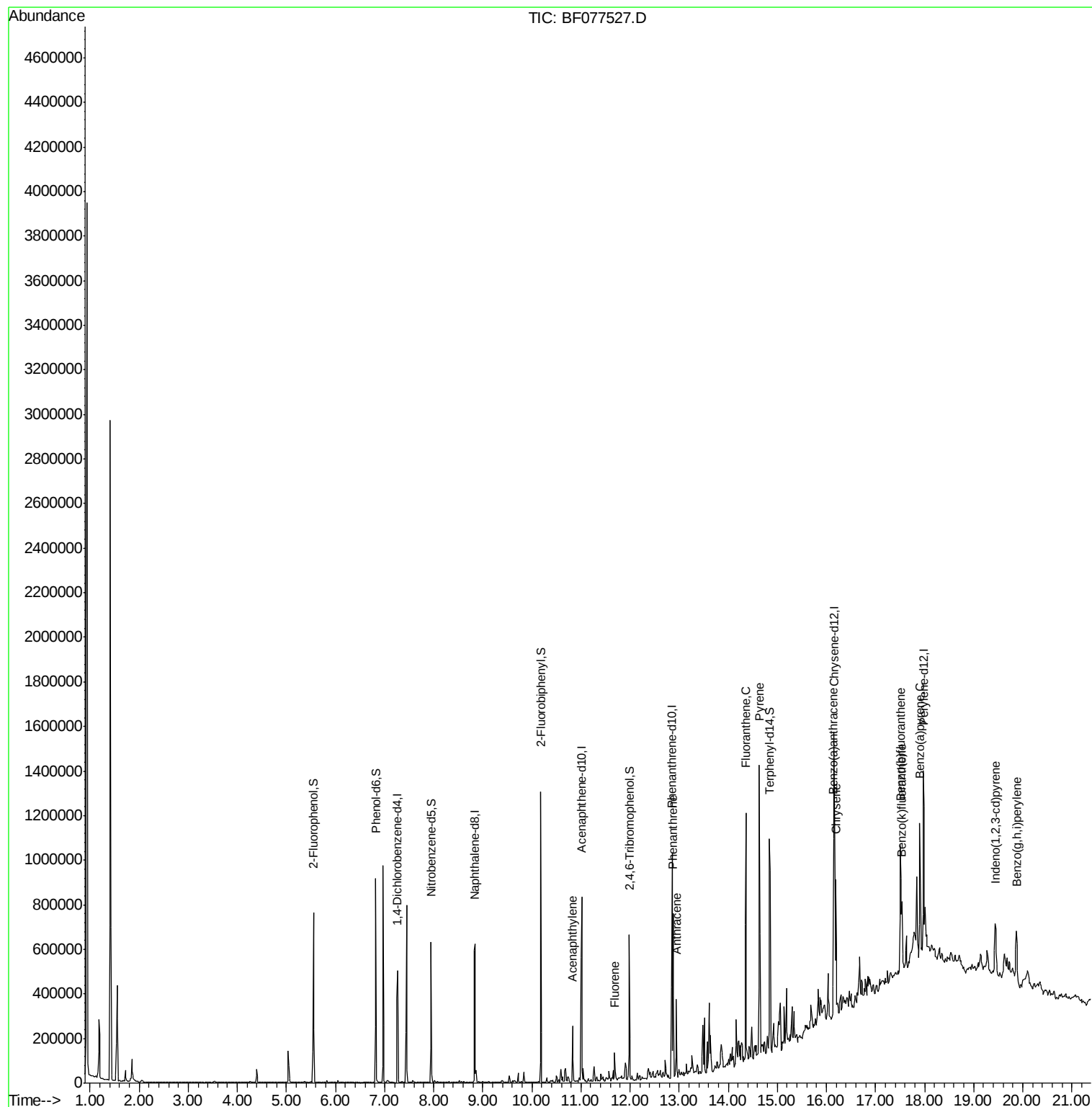
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
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Misc : S
ALS Vial : 8 Sample Multiplier: 1

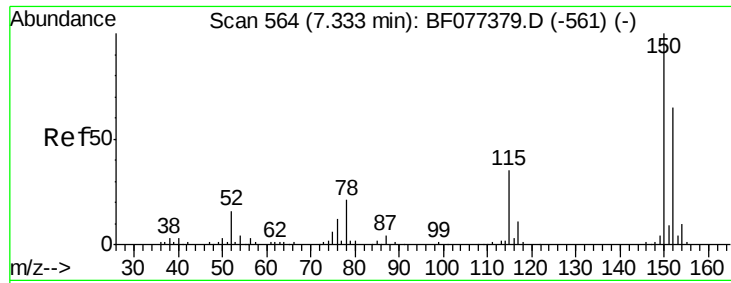
Instrument :
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Quant Time: Mar 03 05:50:49 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

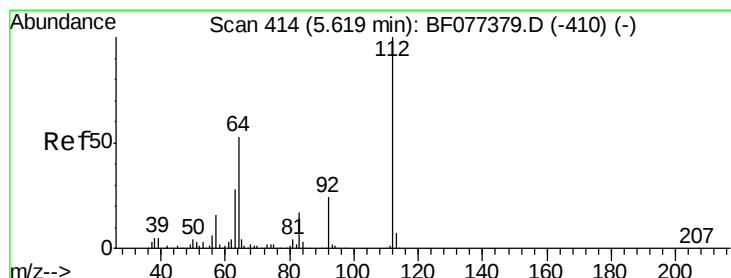
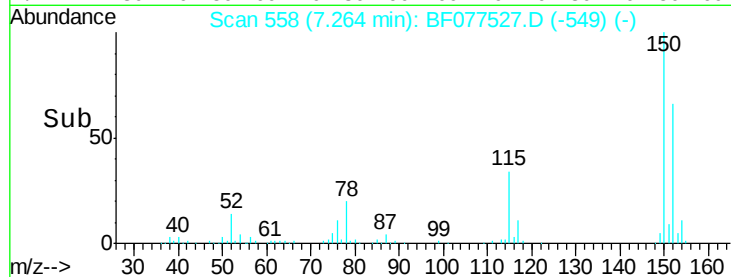
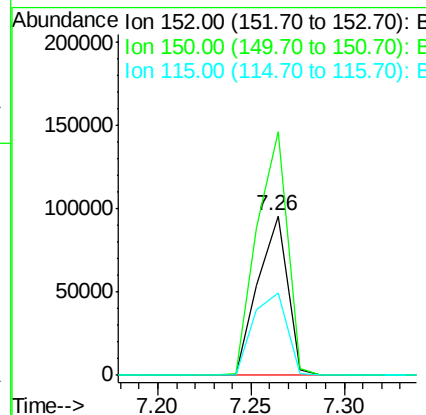
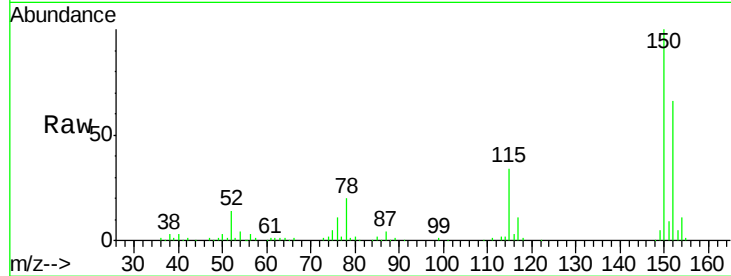
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.26 min Scan# 558
Delta R.T. 0.00 min
Lab File: BF077527.D
Acq: 2 Mar 2015 17:30

Instrument :
BNA_F
ClientSampleId :
SB5

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	105302		
150	152.5	124.0	186.0	
115	51.4	49.4	74.2	

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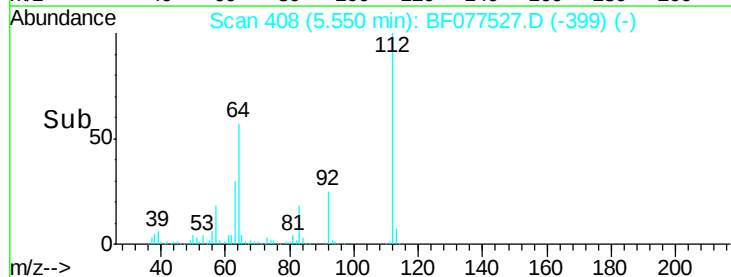
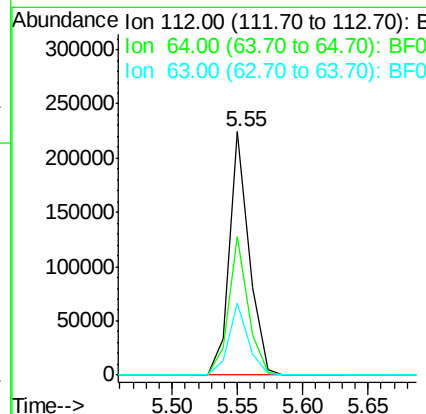
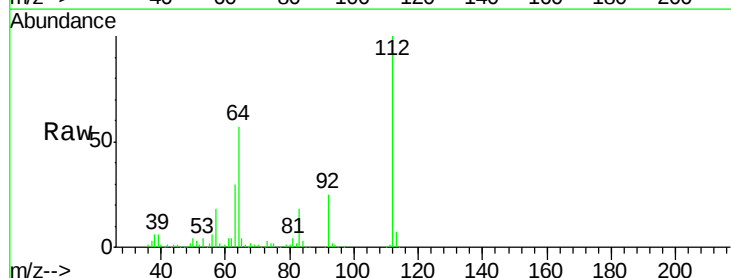
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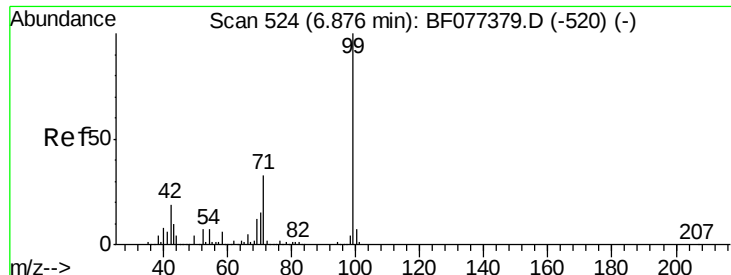


#5

2-Fluorophenol
Concen: 37.56 ng
RT: 5.55 min Scan# 408
Delta R.T. 0.01 min
Lab File: BF077527.D
Acq: 2 Mar 2015 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	236908		
64	56.9	48.5	72.7	
63	29.5	25.0	37.4	





#7

Phenol-d6

Concen: 40.16 ng

RT: 6.82 min Scan# 519

Delta R.T. 0.00 min

Lab File: BF077527.D

Acq: 2 Mar 2015 17:30

Instrument :

BNA_F

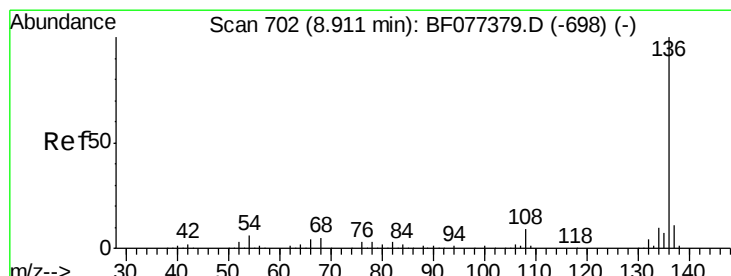
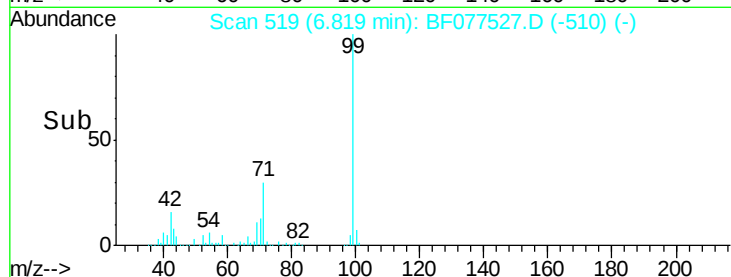
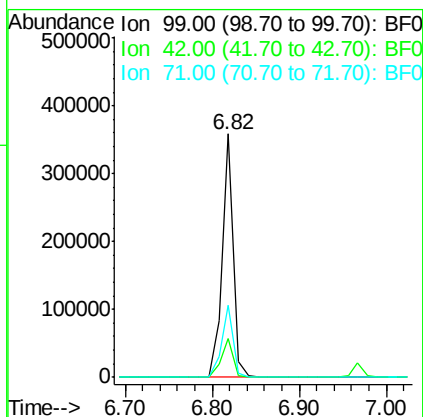
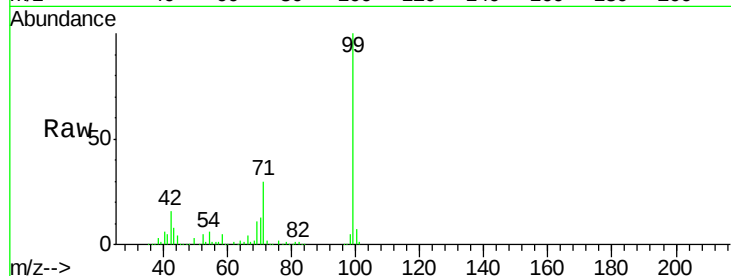
ClientSampleId :

SB5

Tgt Ion:	99	Resp:	325675
Ion Ratio	Lower	Upper	
99	100		
42	16.1	16.2	24.4#
71	29.8	26.7	40.1

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#21

Naphthalene-d8

Concen: 20.00 ng

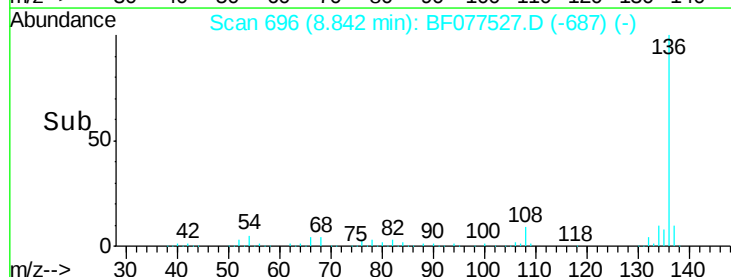
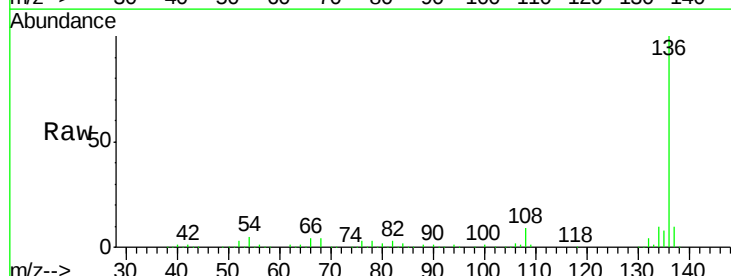
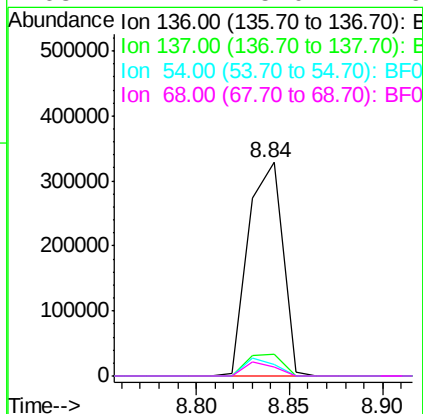
RT: 8.84 min Scan# 696

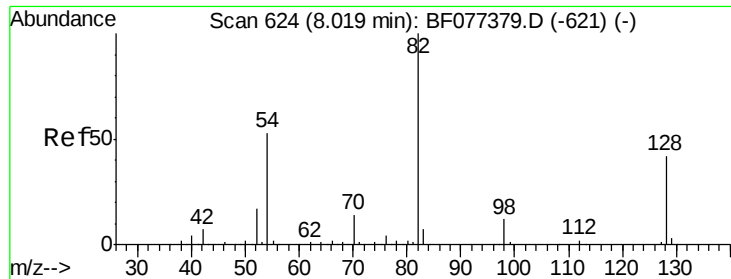
Delta R.T. 0.00 min

Lab File: BF077527.D

Acq: 2 Mar 2015 17:30

Tgt Ion:	136	Resp:	420736
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.6	13.0
54	5.4	6.2	9.4#
68	4.4	5.0	7.6#





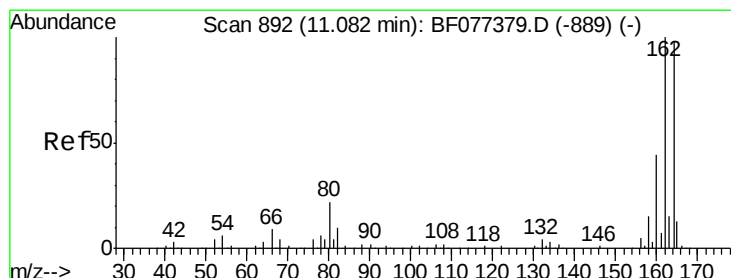
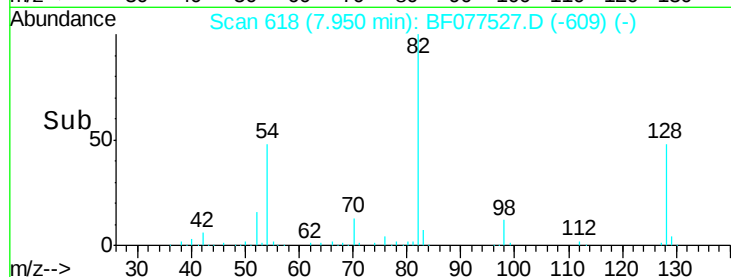
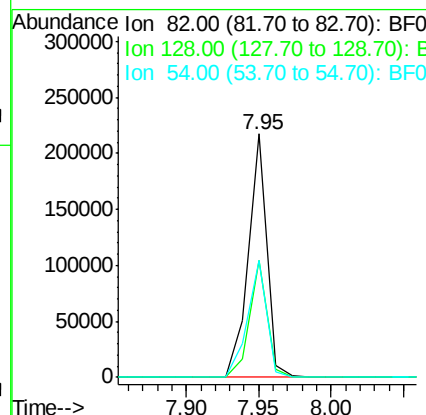
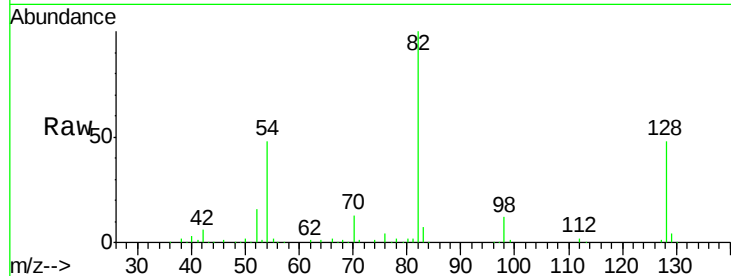
#23
 Nitrobenzene-d5
 Concen: 28.43 ng
 RT: 7.95 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: BF077527.D
 Acq: 2 Mar 2015 17:30

Instrument :
 BNA_F
 ClientSampleId :
 SB5

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	48.1	43.8	65.8
54	47.8	36.7	55.1

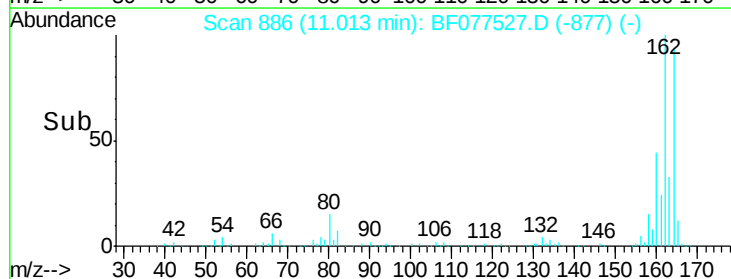
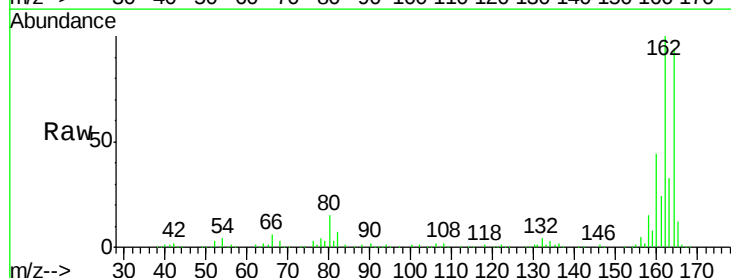
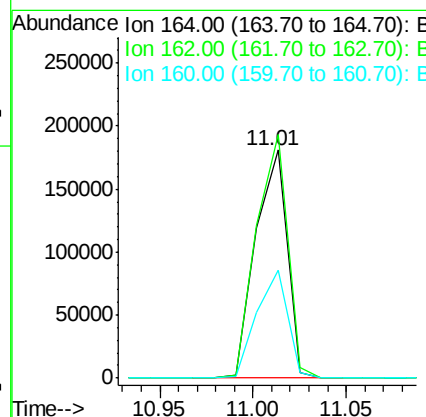
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.01 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: BF077527.D
 Acq: 2 Mar 2015 17:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
162	106.9	83.2	124.8
160	47.2	34.6	52.0





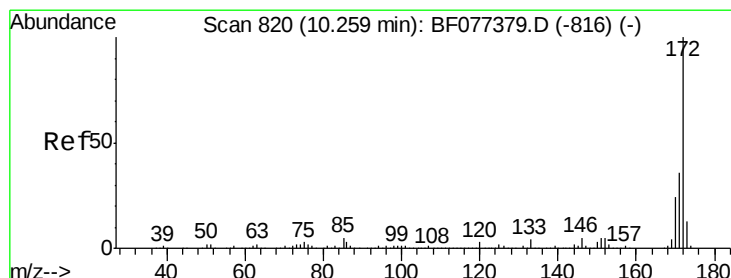
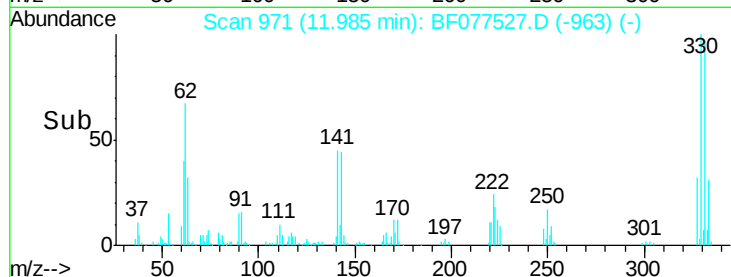
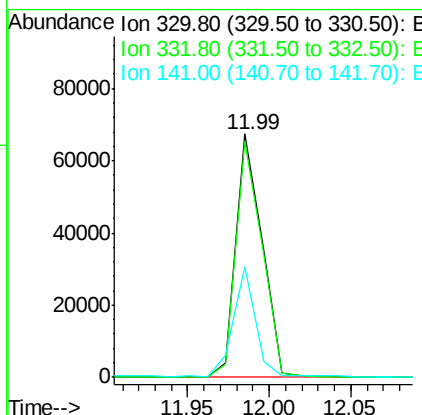
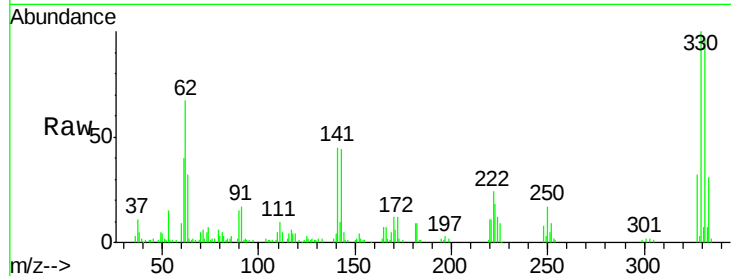
#41
 2,4,6-Tribromophenol
 Concen: 36.74 ng
 RT: 11.99 min Scan# 971
 Delta R.T. -0.00 min
 Lab File: BF077527.D
 Acq: 2 Mar 2015 17:30

Instrument :
 BNA_F
 ClientSampled :
 SB5

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	74323		
332	96.3		77.4	116.2
141	39.3		28.8	43.2

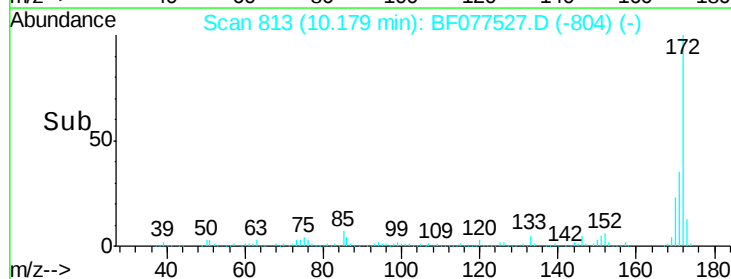
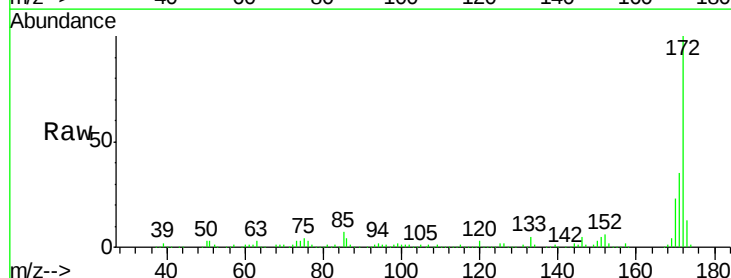
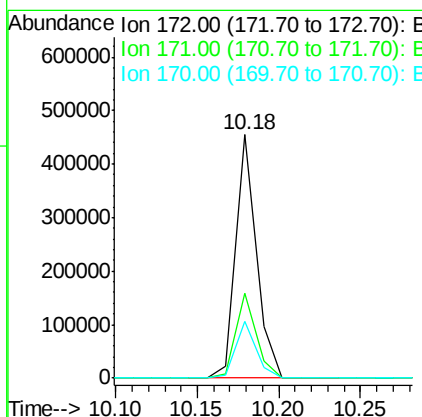
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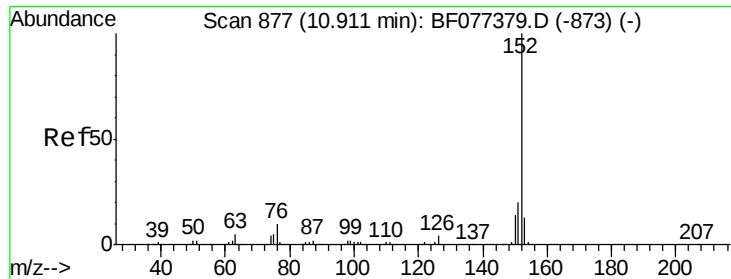
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#44
 2-Fluorobiphenyl
 Concen: 29.36 ng
 RT: 10.18 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BF077527.D
 Acq: 2 Mar 2015 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	395666		
171	35.1		28.9	43.3
170	23.2		19.4	29.2





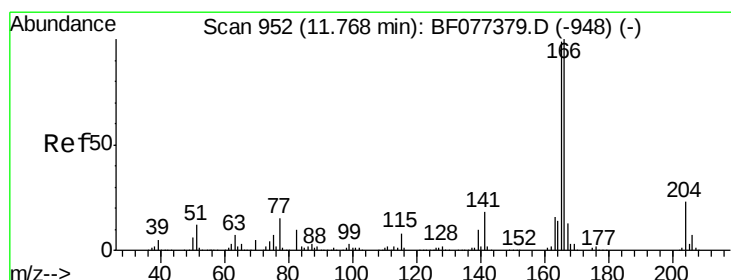
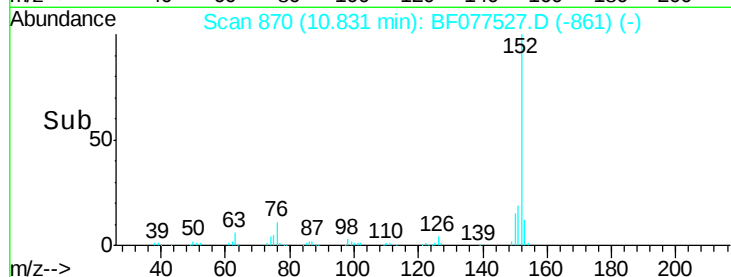
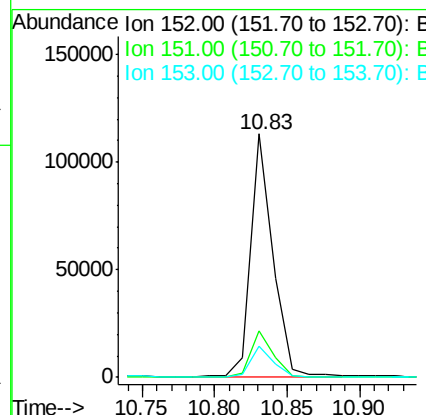
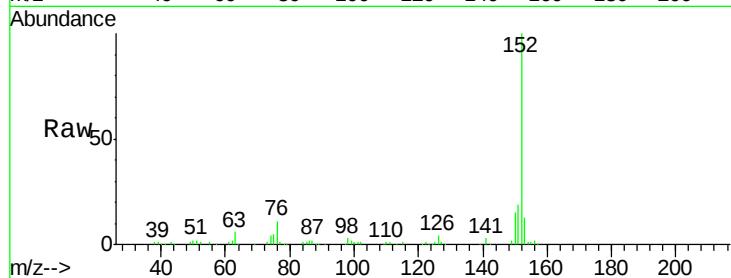
#48
Acenaphthylene
Concen: 6.03 ng
RT: 10.83 min Scan# 870
Delta R.T. 0.00 min
Lab File: BF077527.D
Acq: 2 Mar 2015 17:30

Instrument :
BNA_F
ClientSampleId :
SB5

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	119131		
151	19.1	16.1	24.1	
153	12.9	10.9	16.3	

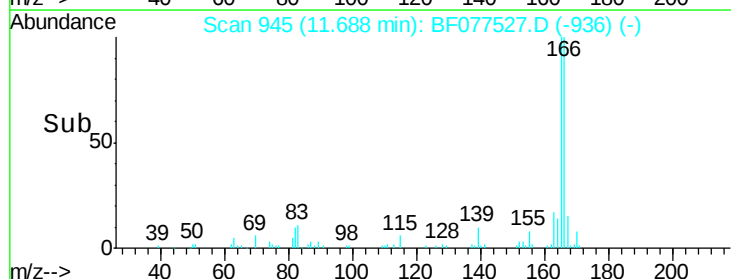
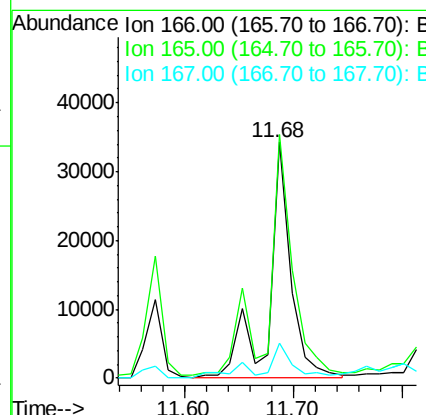
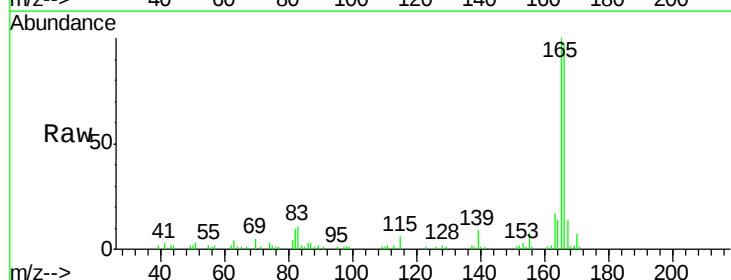
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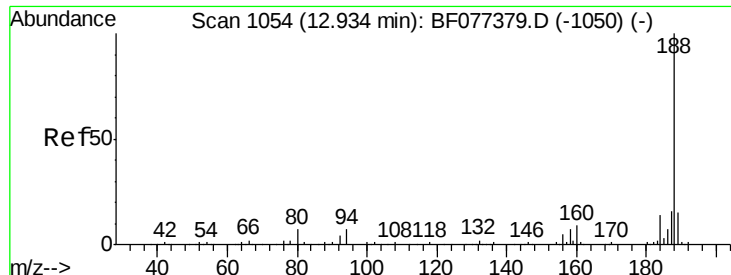
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#57
Fluorene
Concen: 3.35 ng
RT: 11.68 min Scan# 945
Delta R.T. -0.00 min
Lab File: BF077527.D
Acq: 2 Mar 2015 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	48736		
165	103.3	77.6	116.4	
167	14.6	10.6	16.0	





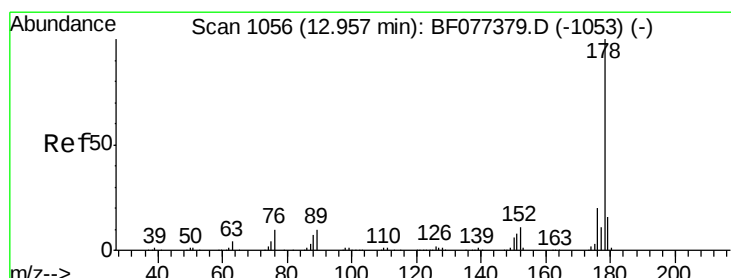
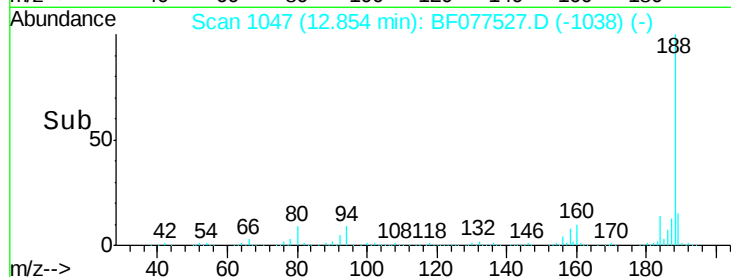
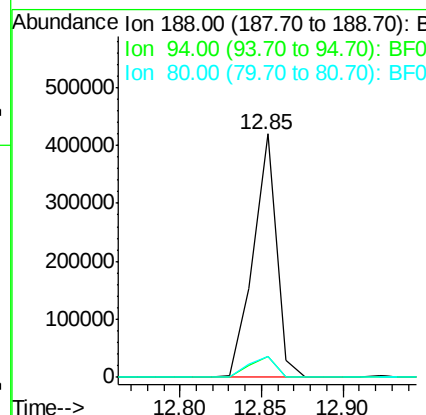
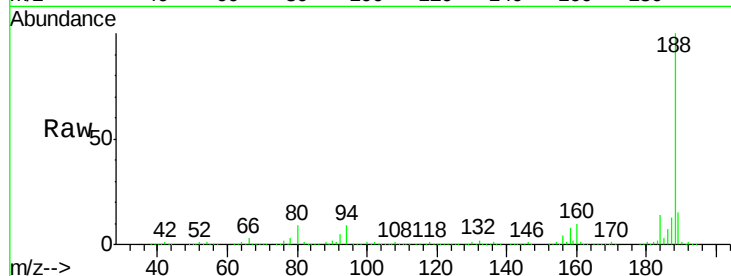
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.85 min Scan# 1047
Delta R.T. 0.00 min
Lab File: BF077527.D
Acq: 2 Mar 2015 17:30

Instrument :
BNA_F
ClientSampled :
SB5

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.5	7.4	11.2
80	8.7	8.0	12.0

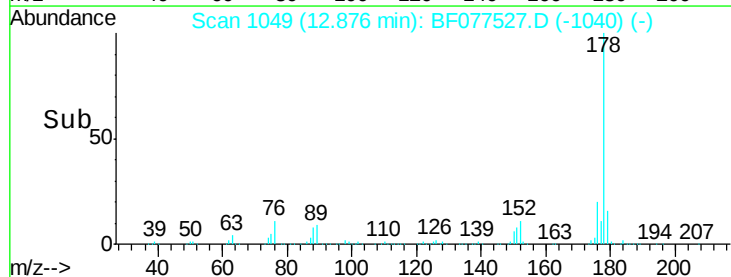
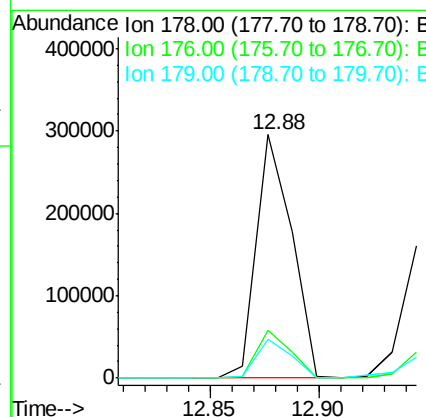
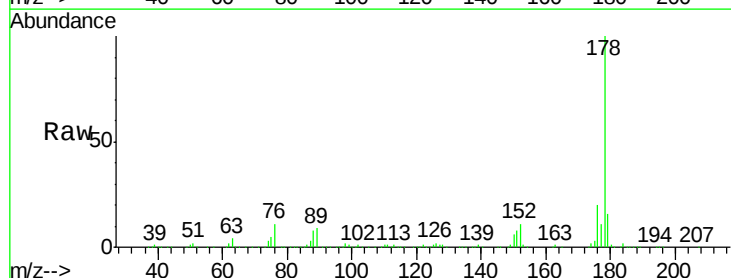
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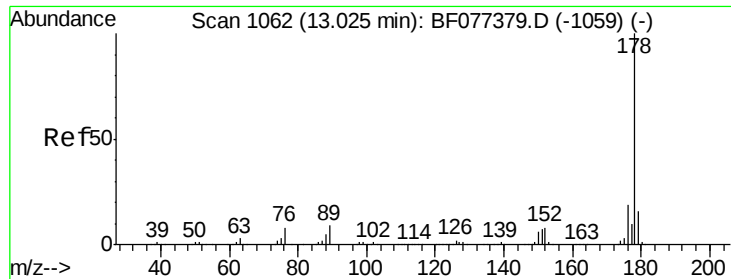
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#70
Phenanthrene
Concen: 14.00 ng
RT: 12.88 min Scan# 1049
Delta R.T. 0.00 min
Lab File: BF077527.D
Acq: 2 Mar 2015 17:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.5	15.5	23.3
179	15.9	12.2	18.2





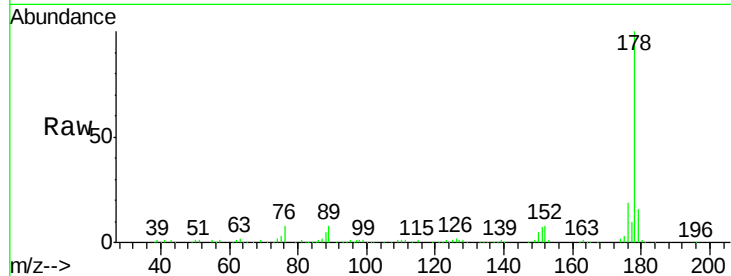
#71
 Anthracene
 Concen: 5.93 ng
 RT: 12.94 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: BF077527.D
 Acq: 2 Mar 2015 17:30

Instrument :
 BNA_F
 ClientSampleId :
 SB5

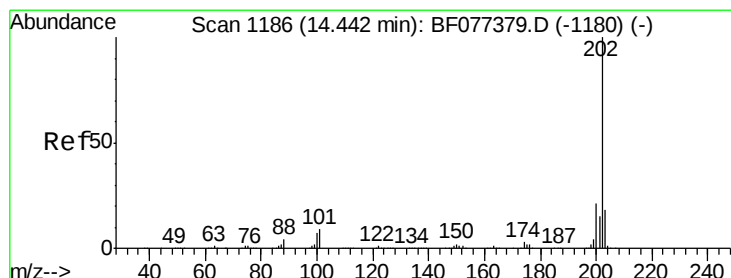
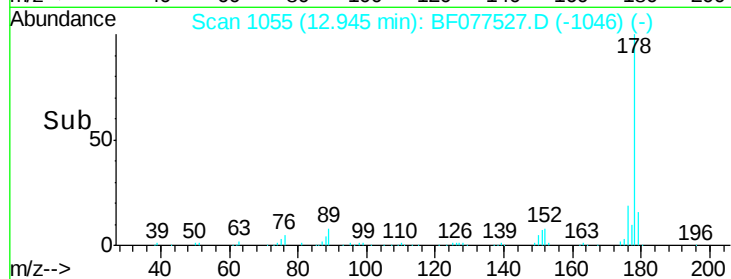
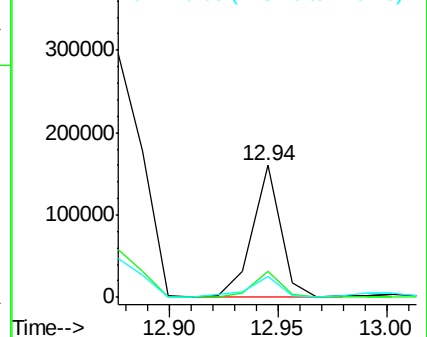
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.9	12.9	19.3

Manual Integrations
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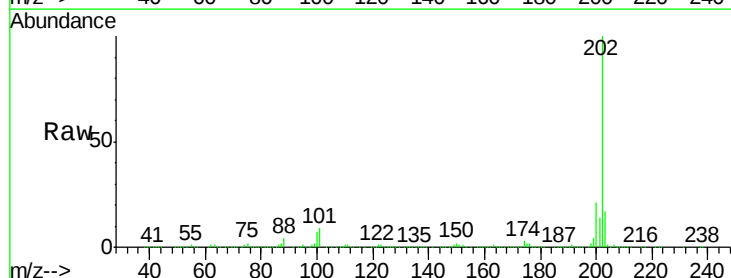


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

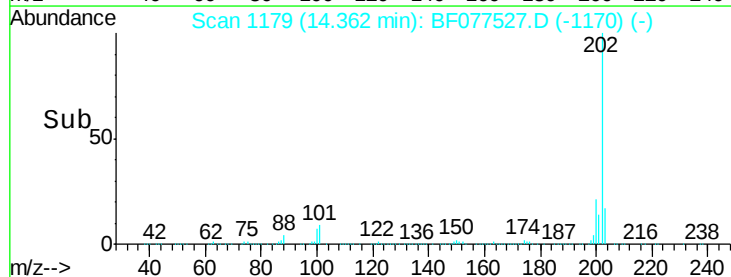
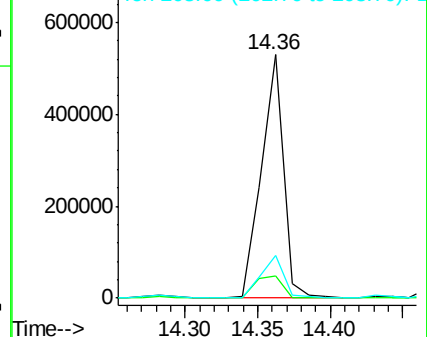


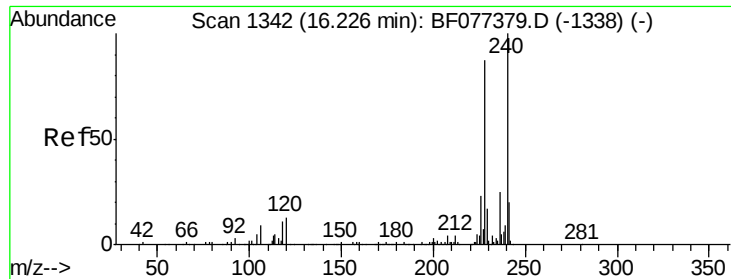
#74
 Fluoranthene
 Concen: 21.13 ng
 RT: 14.36 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: BF077527.D
 Acq: 2 Mar 2015 17:30

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	30.8
203	17.4	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: 16.16 min Scan# 1336

Delta R.T. 0.03 min

Lab File: BF077527.D

Acq: 2 Mar 2015 17:30

Instrument :

BNA_F

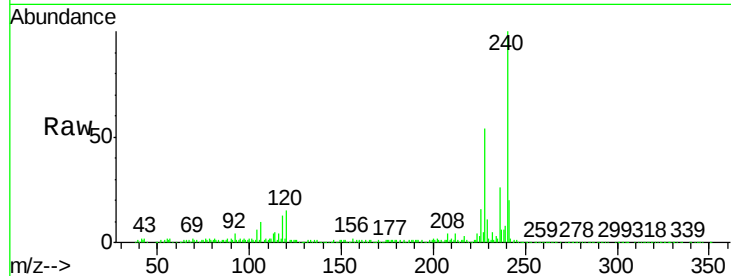
ClientSampleId :

SB5

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	450027		
120	14.7	8.8	13.2#	
236	26.2	20.7	31.1	

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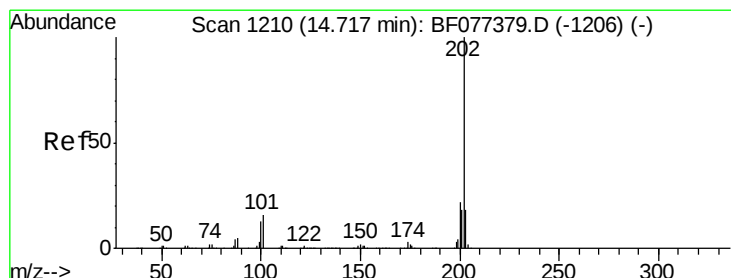
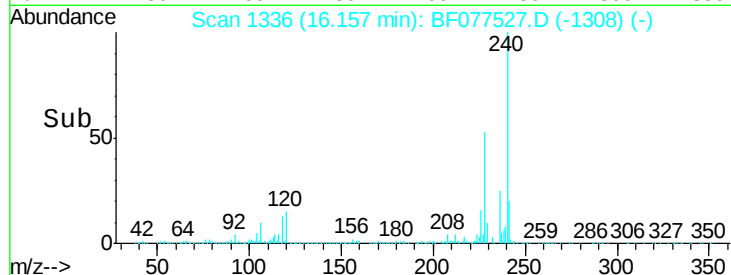
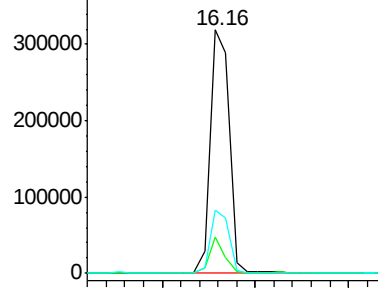
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 22.38 ng

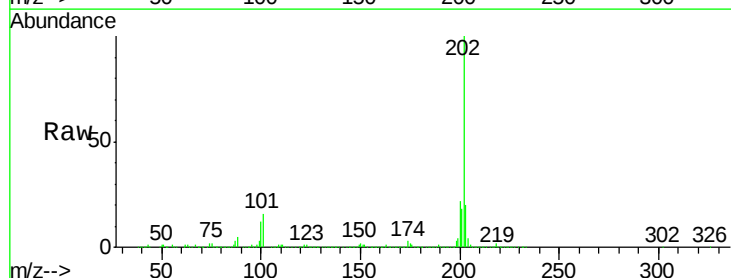
RT: 14.64 min Scan# 1203

Delta R.T. 0.00 min

Lab File: BF077527.D

Acq: 2 Mar 2015 17:30

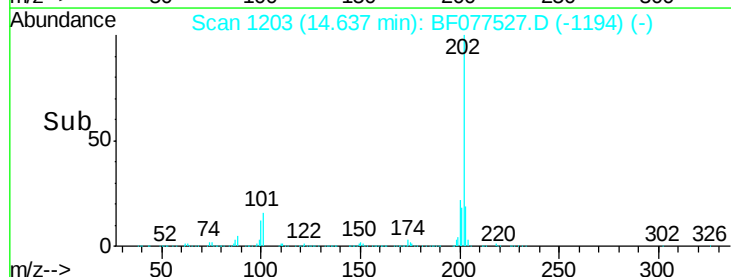
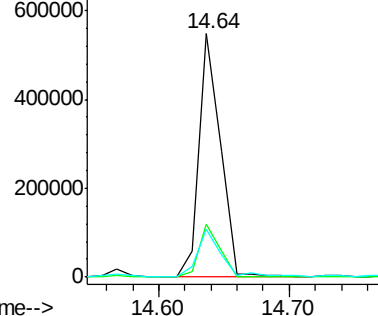
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	616053		
200	21.6	17.1	25.7	
203	19.7	14.2	21.2	

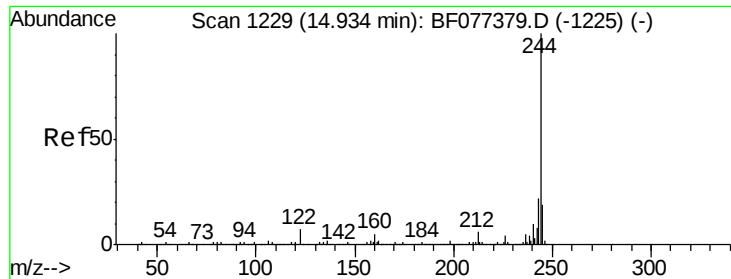


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





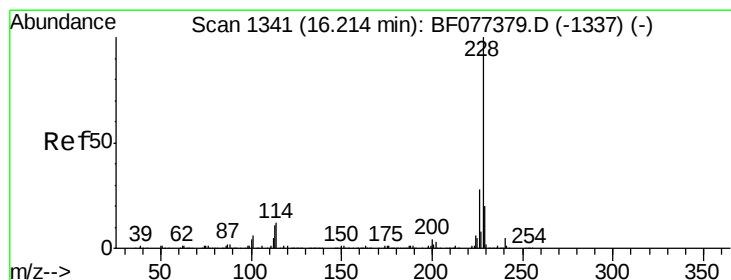
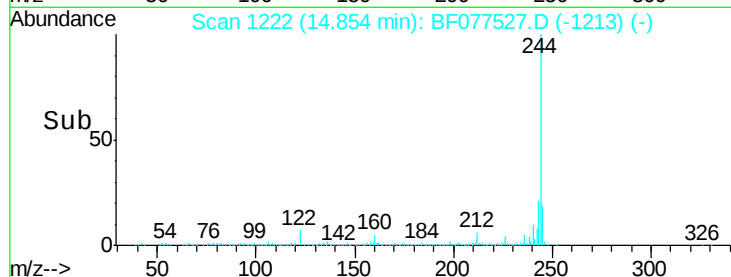
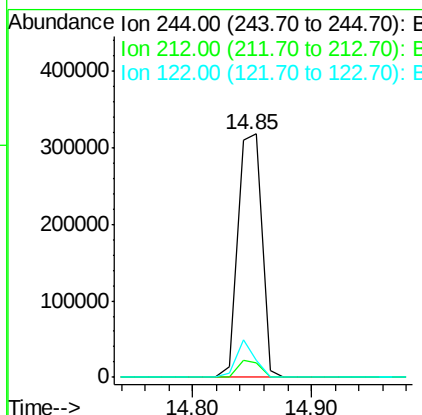
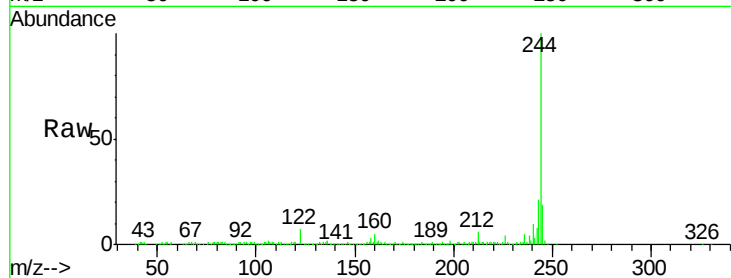
#78
 Terphenyl-d14
 Concen: 23.36 ng
 RT: 14.85 min Scan# 1222
 Delta R.T. 0.00 min
 Lab File: BF077527.D
 Acq: 2 Mar 2015 17:30

Instrument :
 BNA_F
 ClientSampleId :
 SB5

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	449669		
212	6.1	5.2	7.8	
122	7.1	7.8	11.8#	

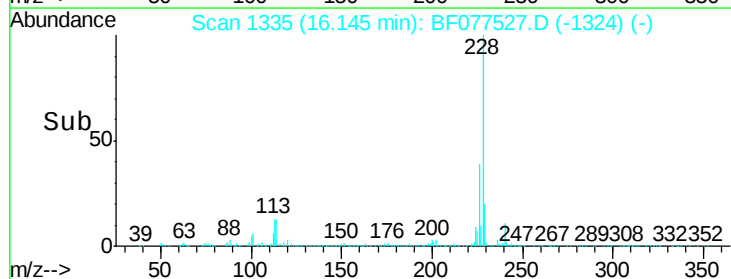
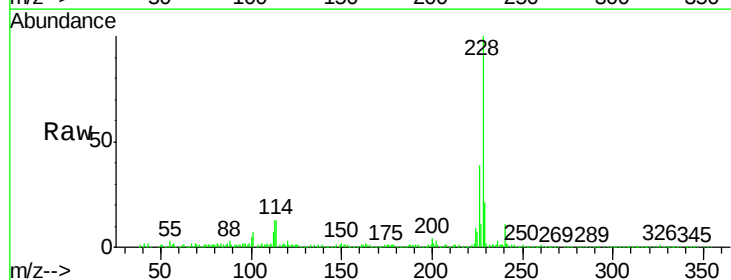
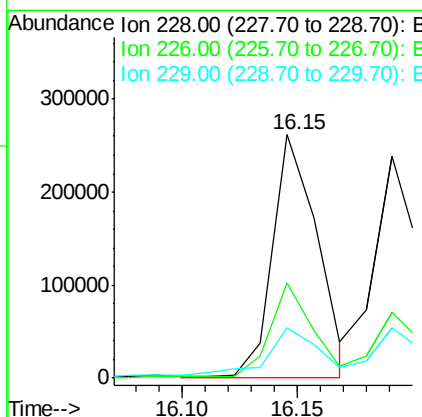
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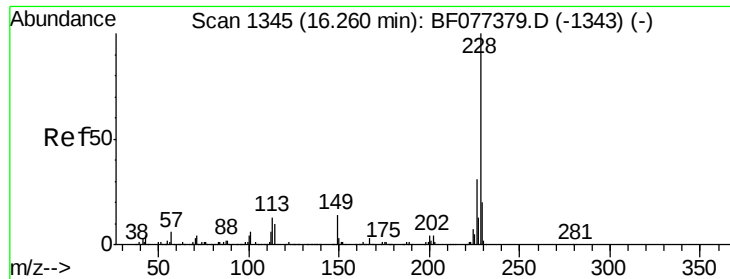
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#80
 Benzo(a)anthracene
 Concen: 13.39 ng m
 RT: 16.15 min Scan# 1335
 Delta R.T. 0.02 min
 Lab File: BF077527.D
 Acq: 2 Mar 2015 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	353095		
226	38.9	22.0	33.0#	
229	20.8	15.8	23.8	





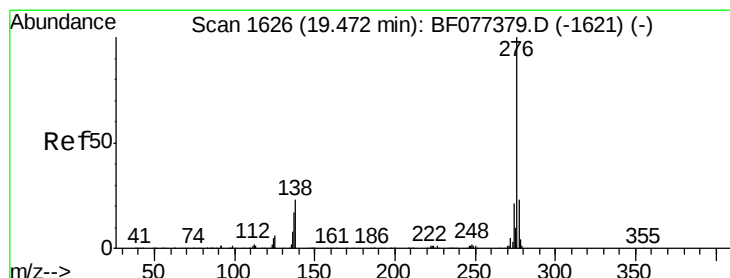
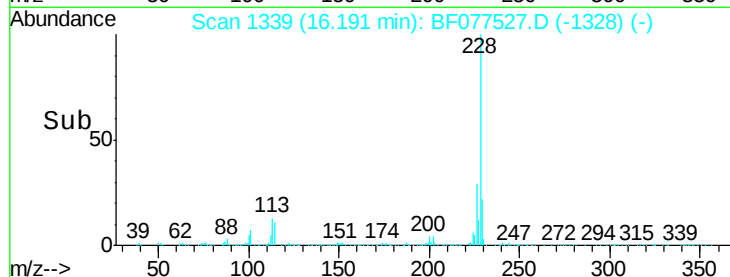
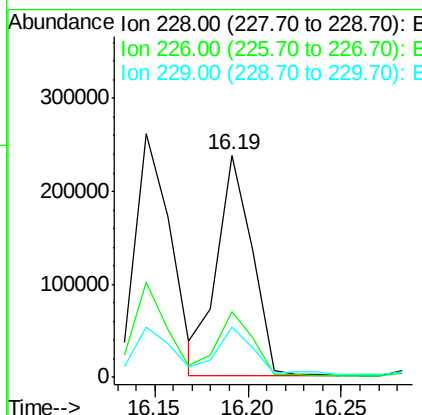
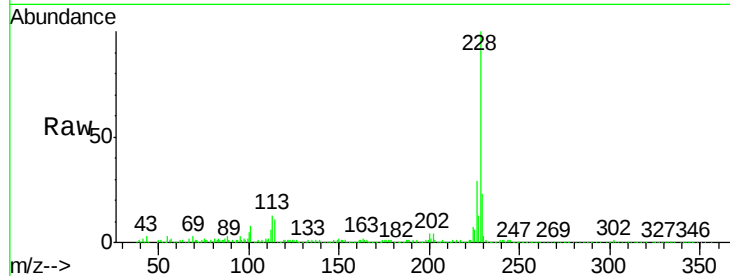
#82
Chrysene
Concen: 12.54 ng
RT: 16.19 min Scan# 1339
Delta R.T. 0.02 min
Lab File: BF077527.D
Acq: 2 Mar 2015 17:30

Instrument :
BNA_F
ClientSampleId :
SB5

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	310644		
226	29.3	24.9	37.3	
229	22.6	16.4	24.6	

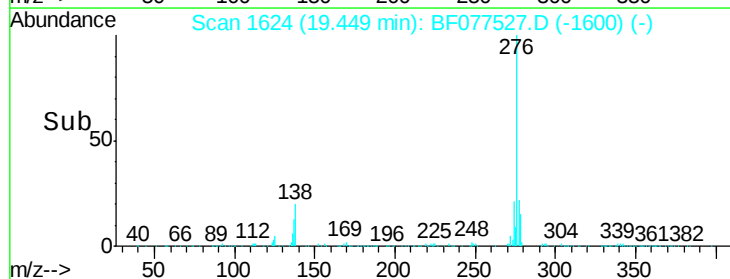
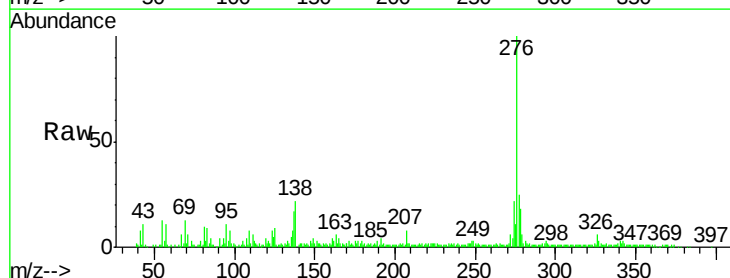
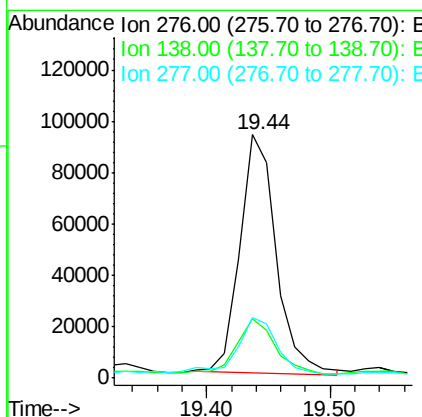
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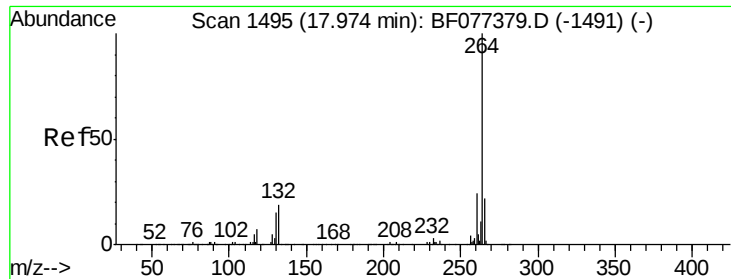
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#85
Indeno(1,2,3-cd)pyrene
Concen: 6.71 ng m
RT: 19.45 min Scan# 1624
Delta R.T. 0.17 min
Lab File: BF077527.D
Acq: 2 Mar 2015 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	189607		
138	5.0	21.2	31.8#	
277	4.9	20.0	30.0#	





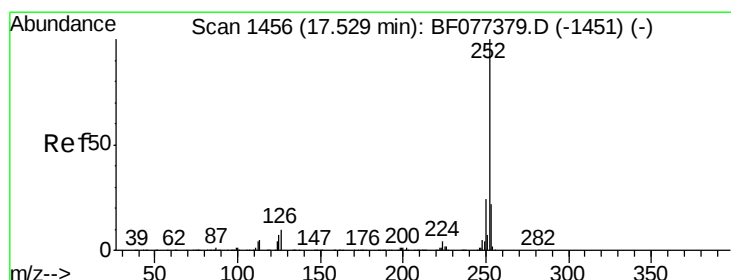
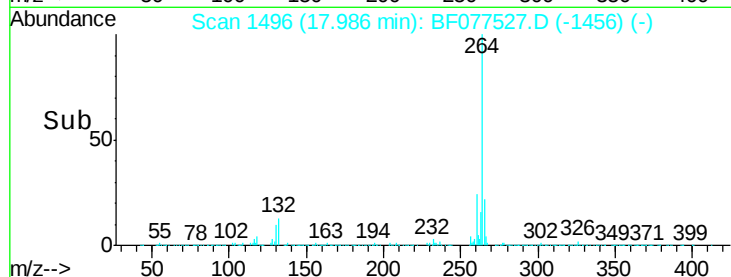
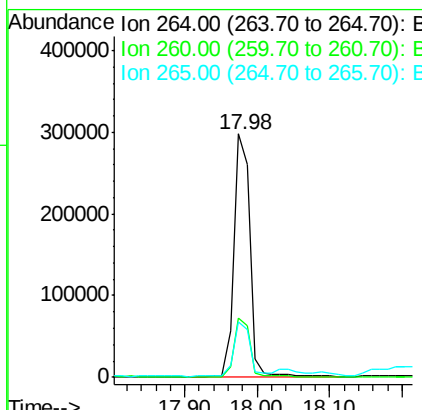
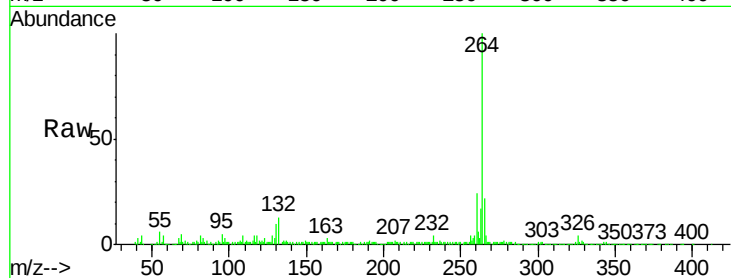
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.98 min Scan# 1496
Delta R.T. 0.15 min
Lab File: BF077527.D
Acq: 2 Mar 2015 17:30

Instrument :
BNA_F
ClientSampleId :
SB5

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	452257		
260	24.0	19.3	28.9	
265	22.3	16.8	25.2	

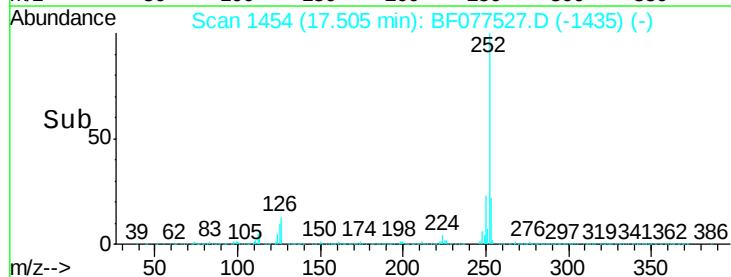
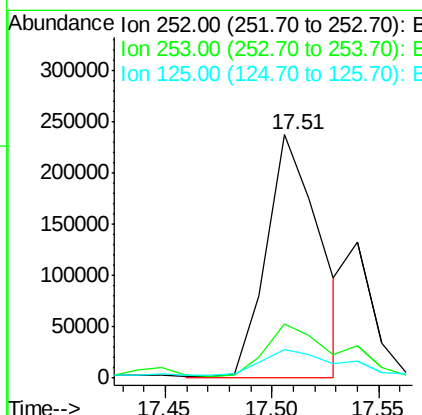
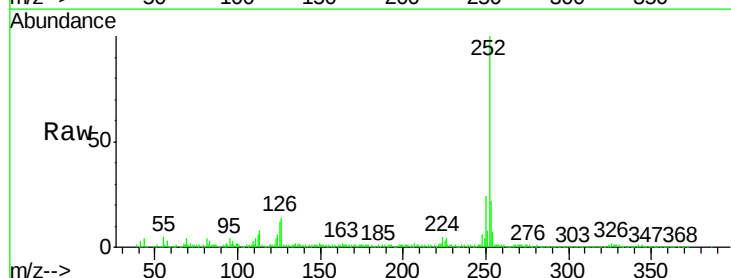
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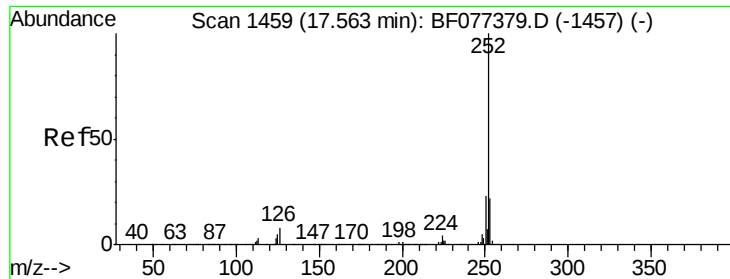
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#87
Benzo(b)fluoranthene
Concen: 15.54 ng m
RT: 17.51 min Scan# 1454
Delta R.T. 0.11 min
Lab File: BF077527.D
Acq: 2 Mar 2015 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	408589		
253	22.4	17.6	26.4	
125	11.8	5.4	8.2#	





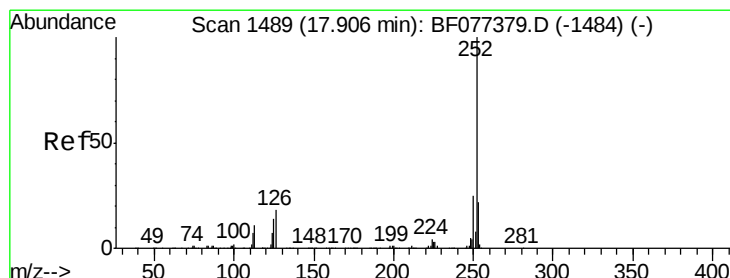
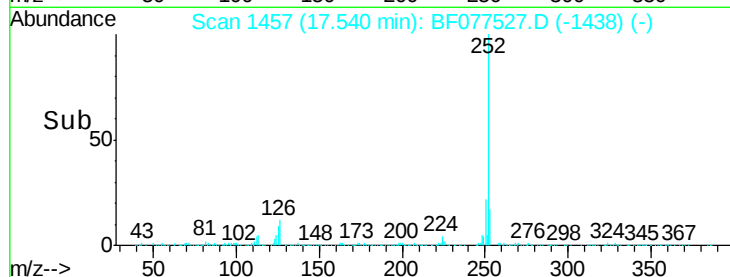
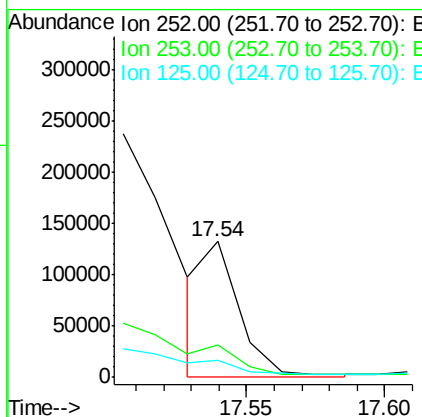
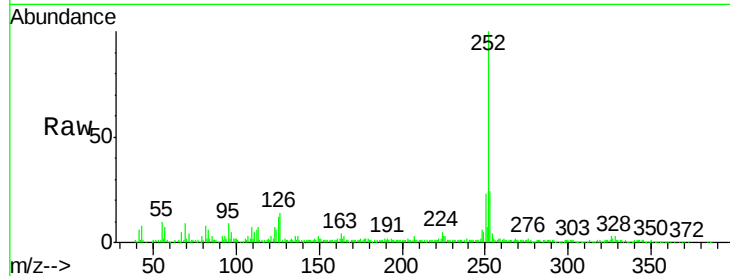
#88
Benzo(k)fluoranthene
Concen: 4.74 ng m
RT: 17.54 min Scan# 1457
Delta R.T. 0.11 min
Lab File: BF077527.D
Acq: 2 Mar 2015 17:30

Instrument :
BNA_F
ClientSampleId :
SB5

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.1	27.1
125	12.2	10.1	15.1

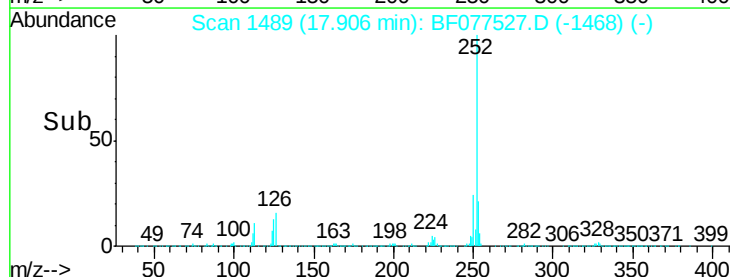
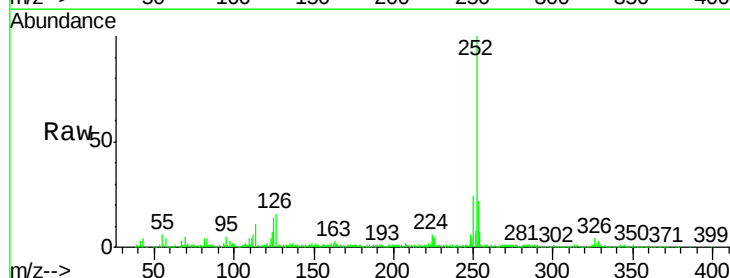
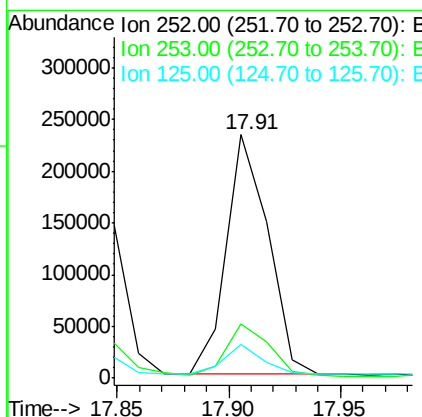
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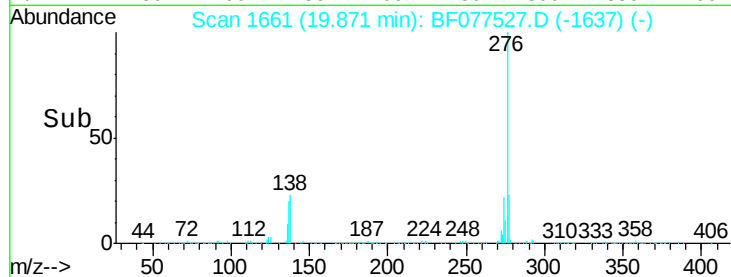
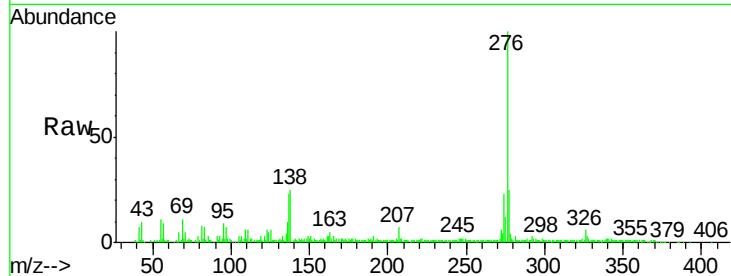
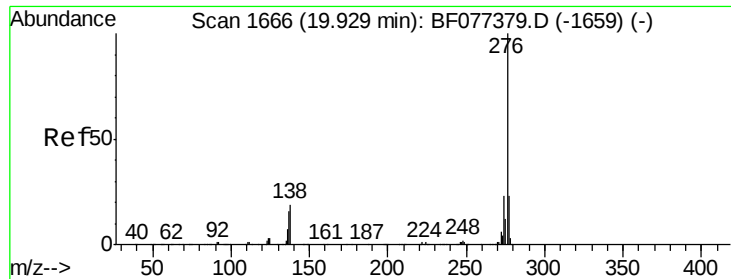
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#89
Benzo(a)pyrene
Concen: 11.99 ng m
RT: 17.91 min Scan# 1489
Delta R.T. 0.14 min
Lab File: BF077527.D
Acq: 2 Mar 2015 17:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	14.0	8.3	12.5#





#91
 Benzo(g,h,i)perylene
 Concen: 7.85 ng
 RT: 19.88 min Scan# 1661
 Delta R.T. 0.17 min
 Lab File: BF077527.D
 Acq: 2 Mar 2015 17:30

Instrument :
 BNA_F
 ClientSampleId :
 SB5

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.9	28.3
138	24.7	20.5	30.7

Manual Integrations
 APPROVED

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