

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
 Data File : BF077486.D
 Acq On : 27 Feb 2015 3:07
 Operator : TP/IZ
 Sample : G1385-07 5X
 Misc : S
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-9-D4

Manual Integrations
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Quant Time: Feb 27 07:26:46 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 27 07:02:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.27	152	73055	20.00	ng	0.00
21) Naphthalene-d8	8.84	136	295618	20.00	ng	0.00
38) Acenaphthene-d10	11.02	164	155480	20.00	ng	0.00
63) Phenanthrene-d10	12.86	188	300701	20.00	ng	0.00
75) Chrysene-d12	16.15	240	338949	20.00	ng	0.00
86) Perylene-d12	17.88	264	355594	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	56180	12.84	ng	0.00
7) Phenol-d6	6.82	99	79629	14.15	ng	0.00
23) Nitrobenzene-d5	7.95	82	44174	9.29	ng	0.00
41) 2,4,6-Tribromophenol	12.00	330	17035	11.38	ng	0.00
44) 2-Fluorobiphenyl	10.19	172	107705	10.80	ng	0.00
78) Terphenyl-d14	14.86	244	128949	8.89	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.87	128	139694	9.45	ng	99
37) 2-Methylnaphthalene	9.73	142	36221	3.45	ng	97
51) Acenaphthene	11.06	154	101441	11.62	ng	98
54) Dibenzofuran	11.27	168	103667	7.69	ng	94
57) Fluorene	11.70	166	120077	11.15	ng	98
70) Phenanthrene	12.89	178	1246933	71.55	ng	98
71) Anthracene	12.95	178	337365	19.51	ng	99
72) Carbazole	13.16	167	177967	10.82	ng	99
74) Fluoranthene	14.37	202	1559672	81.92	ng	98
77) Pyrene	14.65	202	1268849	61.20	ng	96
80) Benzo(a)anthracene	16.14	228	720078	36.25	ng	97
82) Chrysene	16.18	228	602567	32.30	ng	97
83) Bis(2-ethylhexyl)phthalate	16.20	149	42371	3.10	ng	# 94
85) Indeno(1,2,3-cd)pyrene	19.33	276	336738	15.83	ng	96
87) Benzo(b)fluoranthene	17.45	252	1020134	49.33	ng	# 96
88) Benzo(k)fluoranthene	17.47	252	159083m	7.85	ng	98
89) Benzo(a)pyrene	17.82	252	545192	27.68	ng	98
90) Dibenzo(a,h)anthracene	19.35	278	76283	4.06	ng	# 91
91) Benzo(g,h,i)perylene	19.76	276	325957	17.19	ng	# 94

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

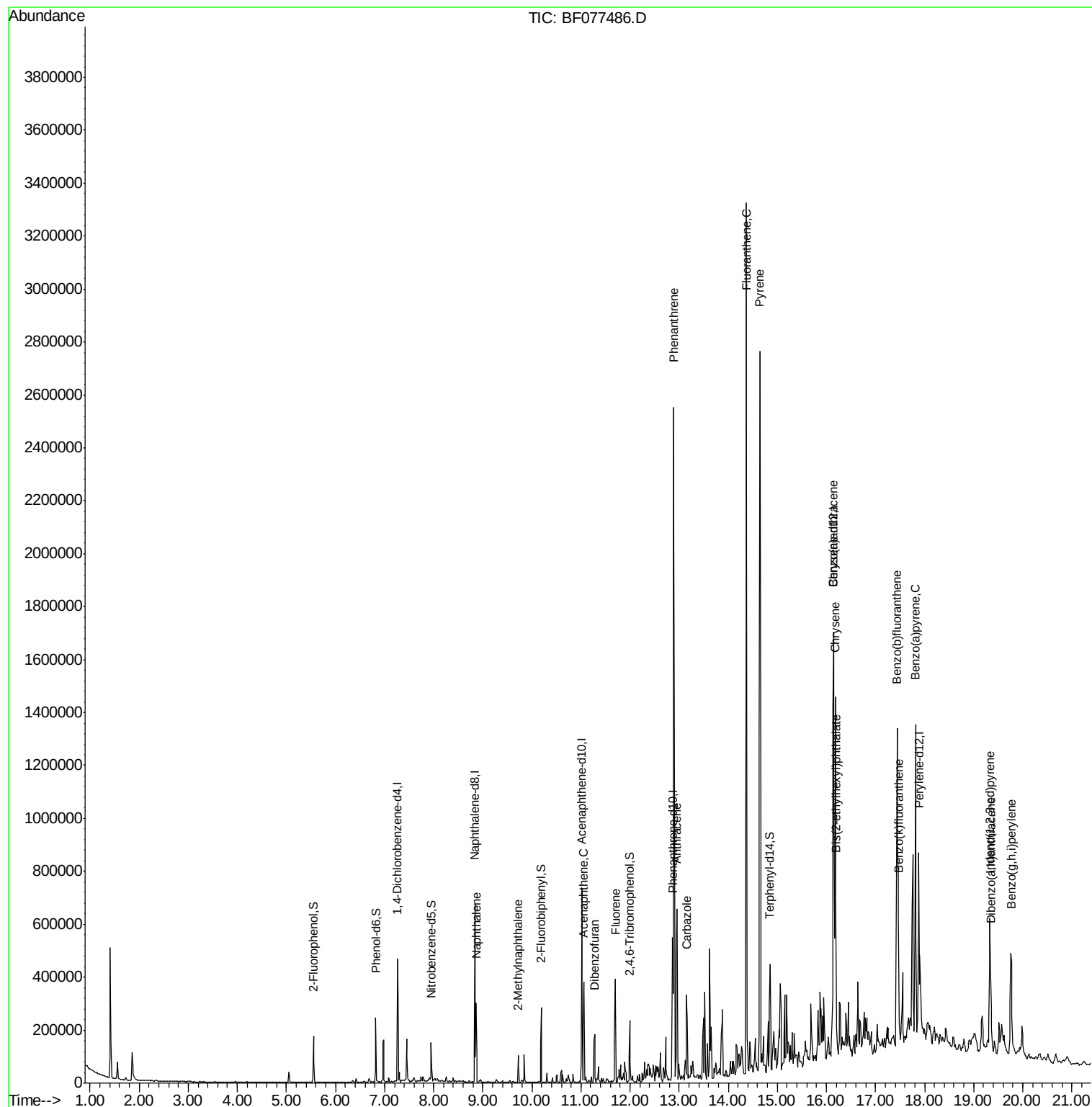
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
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Operator : TP/IZ
Sample : G1385-07 5X
Misc : S
ALS Vial : 24 Sample Multiplier: 1

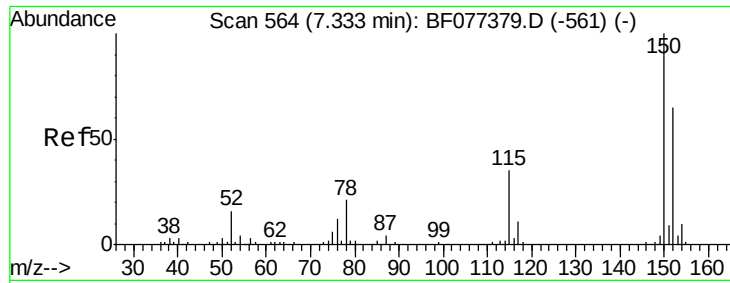
Instrument :
BNA_F
ClientSampleId :
B-9-D4

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Quant Time: Feb 27 07:26:46 2015
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#1

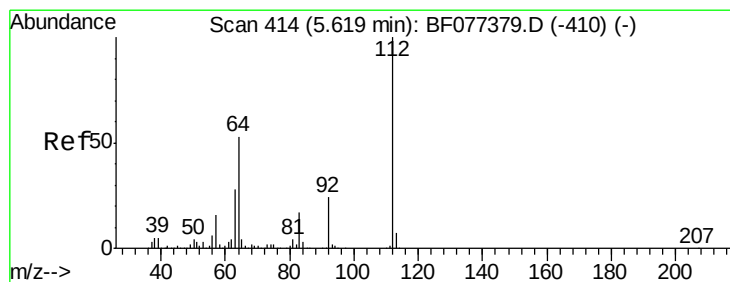
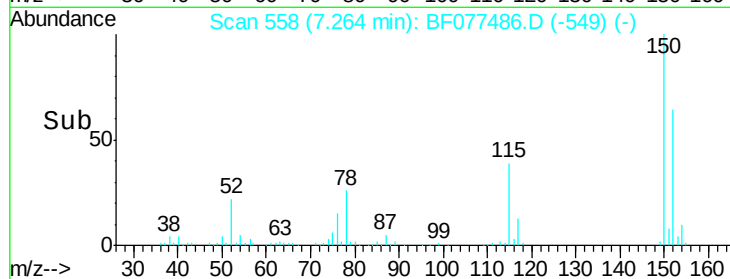
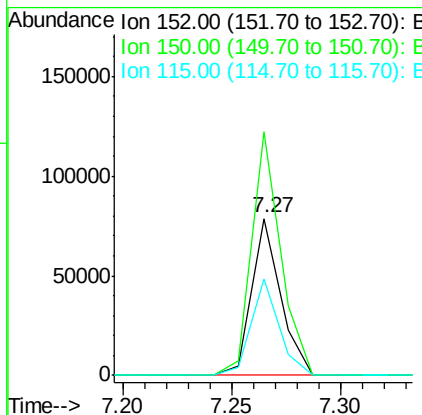
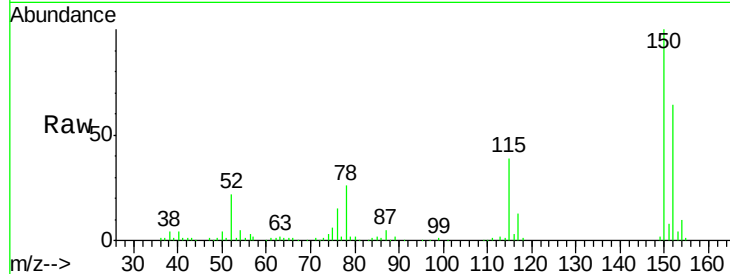
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.27 min Scan# 558
Delta R.T. 0.00 min
Lab File: BF077486.D
Acq: 27 Feb 2015 3:07

Instrument :
BNA_F
ClientSampleId :
B-9-D4

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.0	186.0
115	61.2	49.4	74.2

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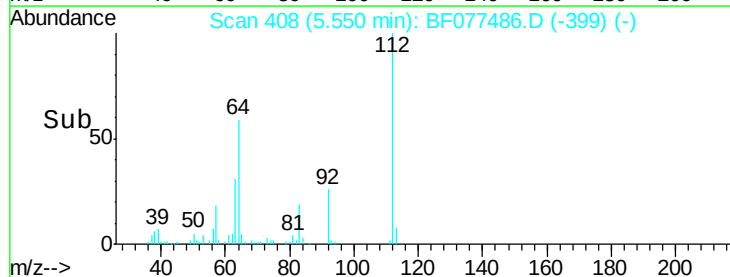
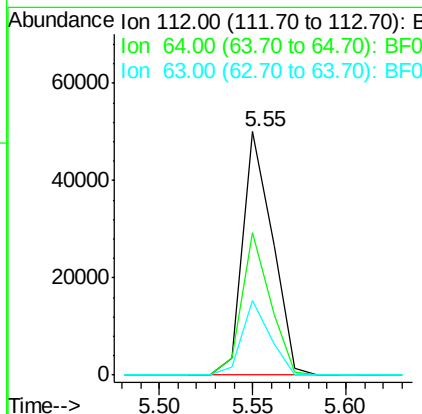
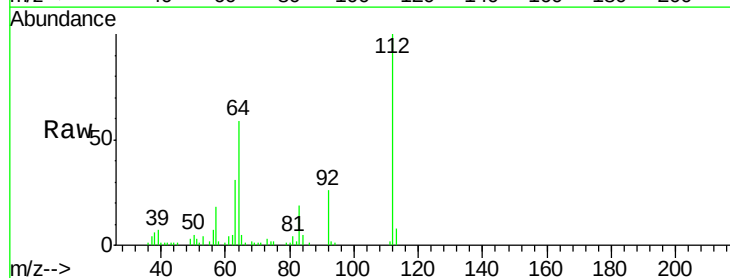
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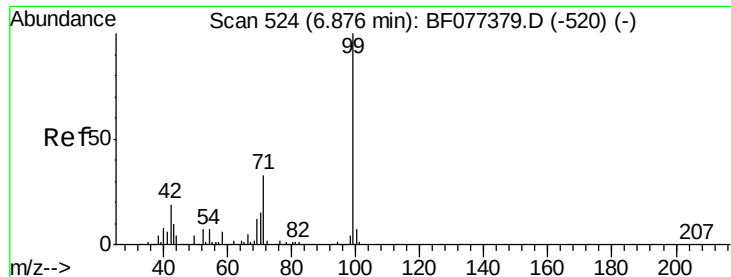


#5

2-Fluorophenol
Concen: 12.84 ng
RT: 5.55 min Scan# 408
Delta R.T. 0.00 min
Lab File: BF077486.D
Acq: 27 Feb 2015 3:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	48.5	72.7
63	30.9	25.0	37.4





#7

Phenol-d6

Concen: 14.15 ng

RT: 6.82 min Scan# 519

Delta R.T. -0.00 min

Lab File: BF077486.D

Acq: 27 Feb 2015 3:07

Instrument :

BNA_F

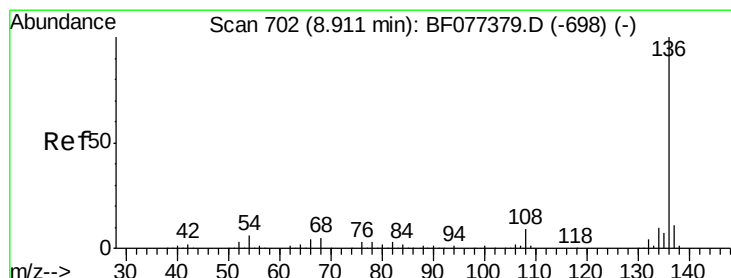
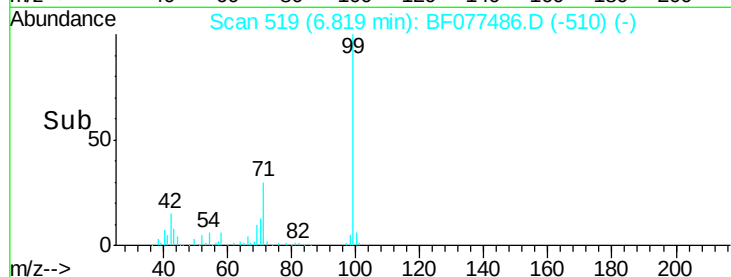
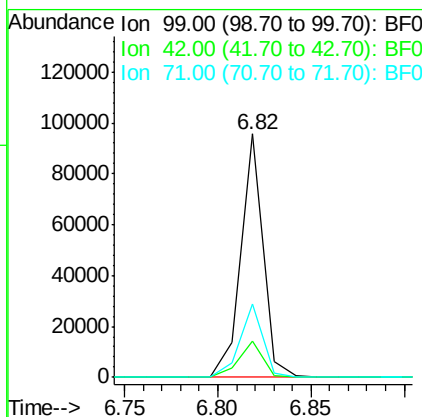
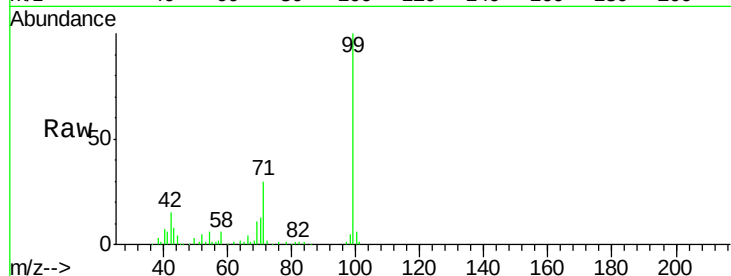
ClientSampleId :

B-9-D4

Tgt Ion:	99	Resp:	79629
Ion Ratio	Lower	Upper	
99	100		
42	15.1	16.2	24.4#
71	30.4	26.7	40.1

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#21

Naphthalene-d8

Concen: 20.00 ng

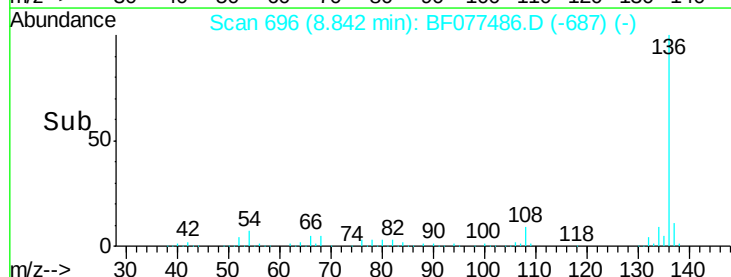
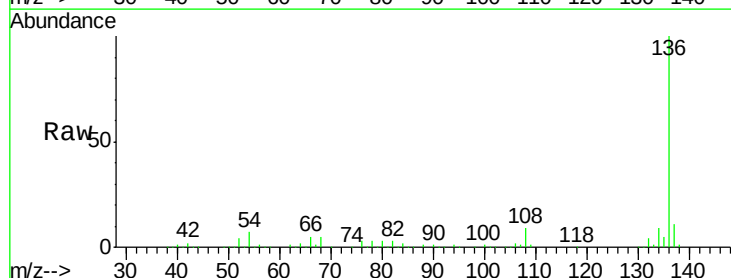
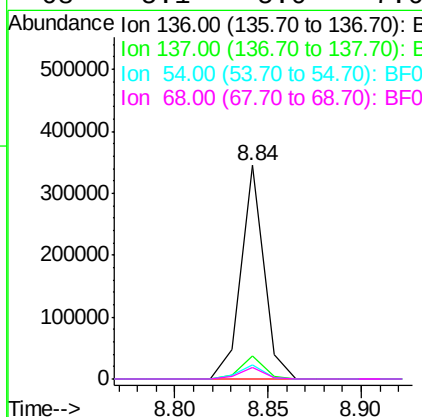
RT: 8.84 min Scan# 696

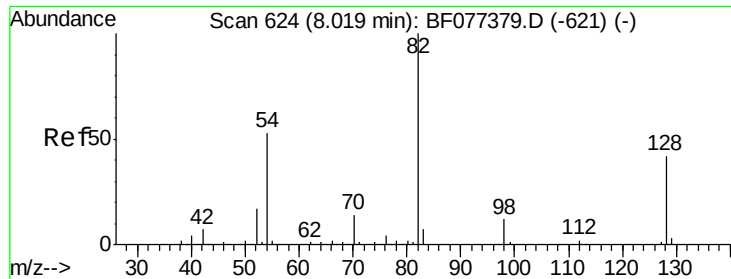
Delta R.T. -0.00 min

Lab File: BF077486.D

Acq: 27 Feb 2015 3:07

Tgt Ion:	136	Resp:	295618
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.6	13.0
54	6.8	6.2	9.4
68	5.1	5.0	7.6





#23

Nitrobenzene-d5

Concen: 9.29 ng

RT: 7.95 min Scan# 618

Delta R.T. -0.01 min

Lab File: BF077486.D

Acq: 27 Feb 2015 3:07

Instrument :

BNA_F

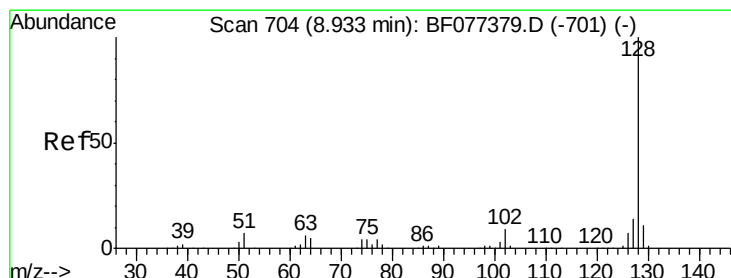
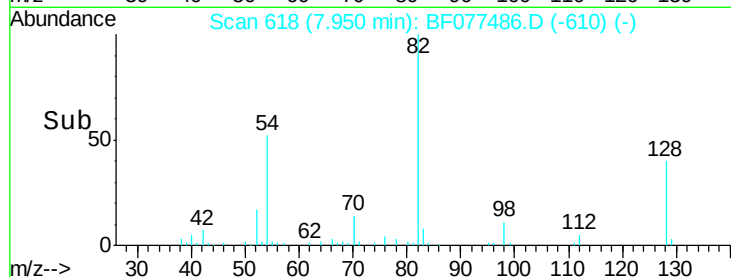
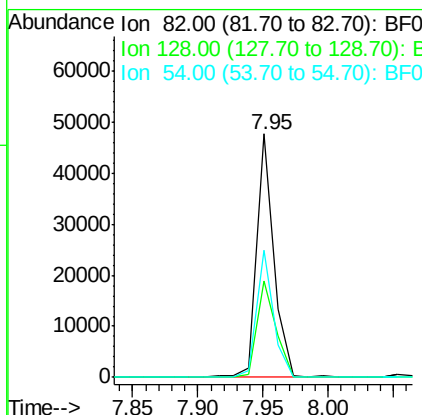
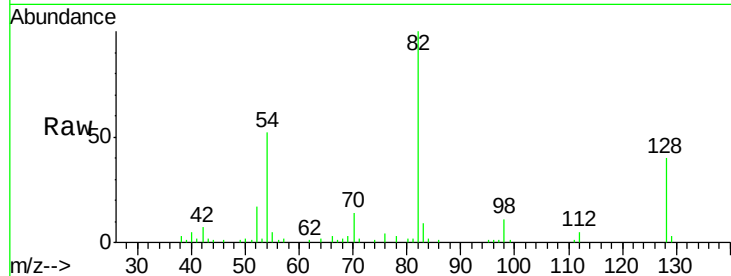
ClientSampleId :

B-9-D4

Tgt Ion:	82	Resp:	44174
Ion Ratio	Lower	Upper	
82	100		
128	39.8	43.8	65.8#
54	52.1	36.7	55.1

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#31

Naphthalene

Concen: 9.45 ng

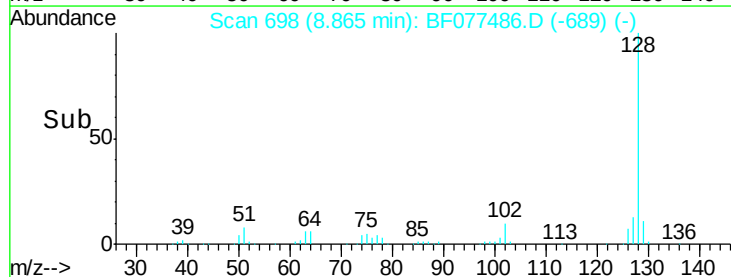
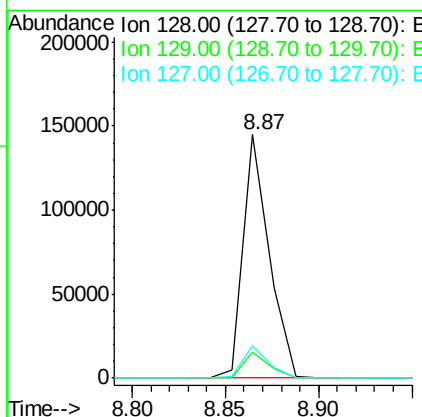
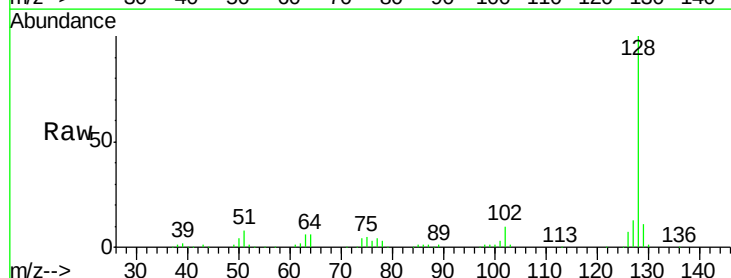
RT: 8.87 min Scan# 698

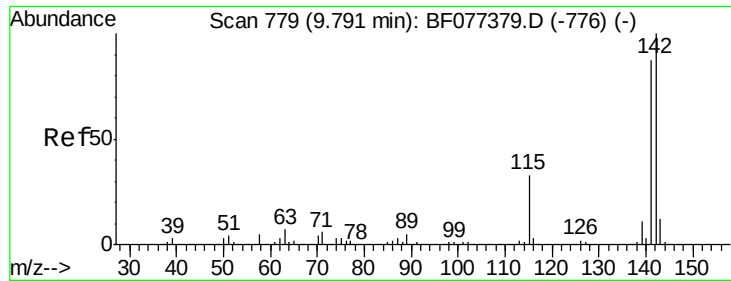
Delta R.T. 0.00 min

Lab File: BF077486.D

Acq: 27 Feb 2015 3:07

Tgt Ion:	128	Resp:	139694
Ion Ratio	Lower	Upper	
128	100		
129	10.8	9.4	14.0
127	13.4	10.6	15.8





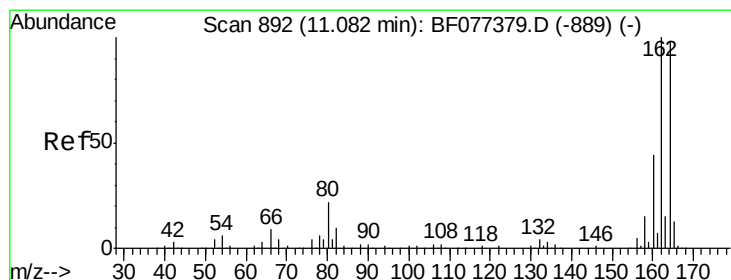
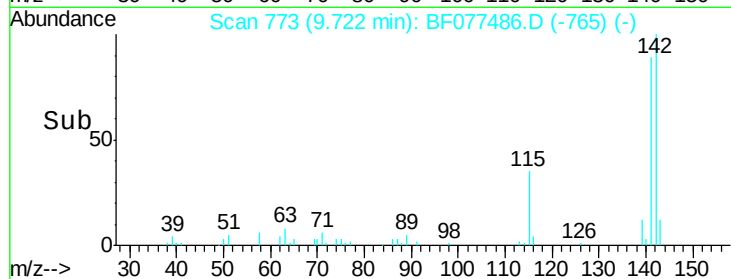
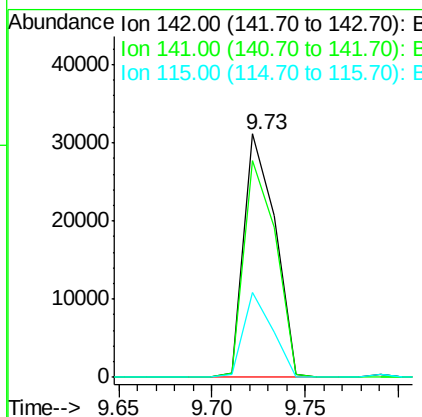
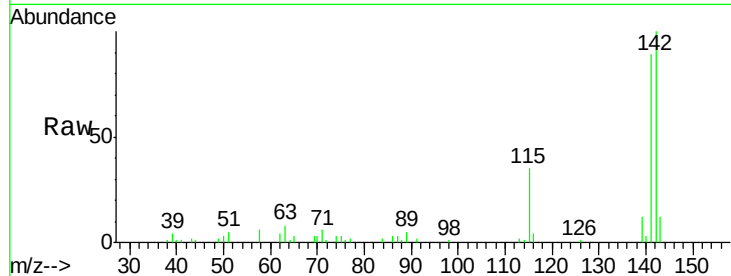
#37
 2-Methylnaphthalene
 Concen: 3.45 ng
 RT: 9.73 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF077486.D
 Acq: 27 Feb 2015 3:07

Instrument :
 BNA_F
 ClientSampleId :
 B-9-D4

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.7	106.1
115	34.7	24.2	36.4

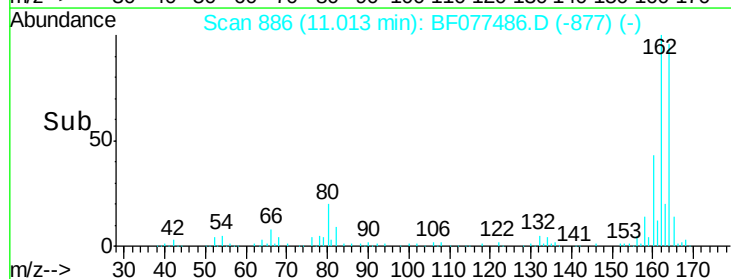
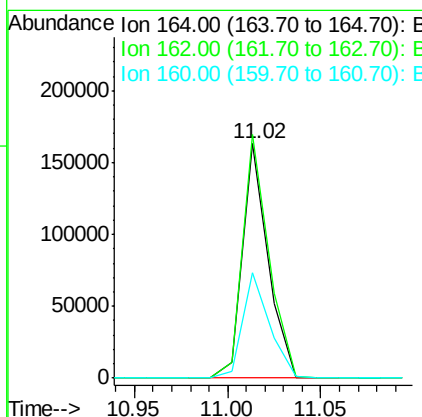
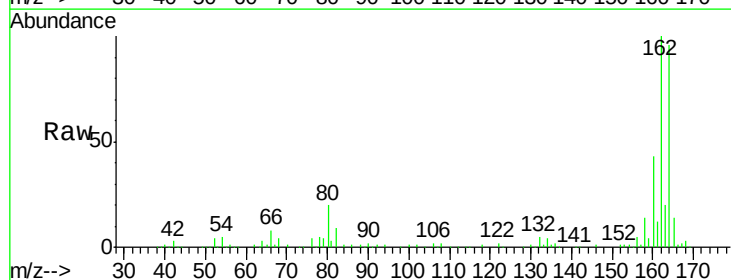
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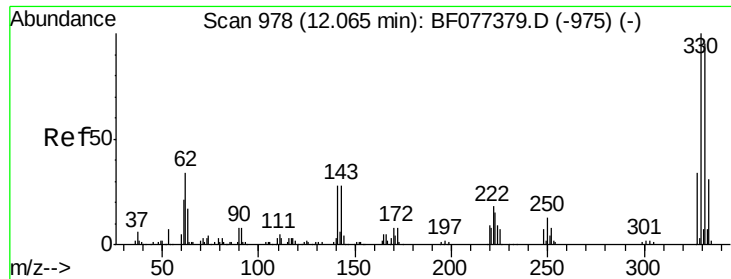
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.02 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: BF077486.D
 Acq: 27 Feb 2015 3:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	83.2	124.8
160	45.0	34.6	52.0





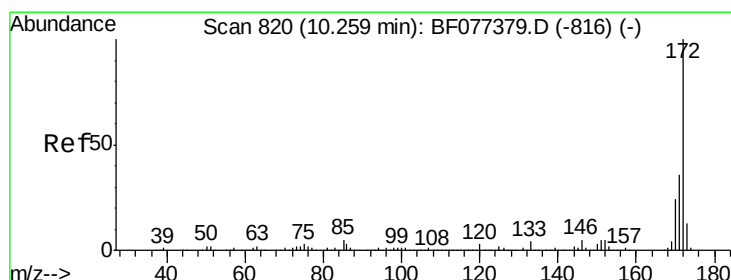
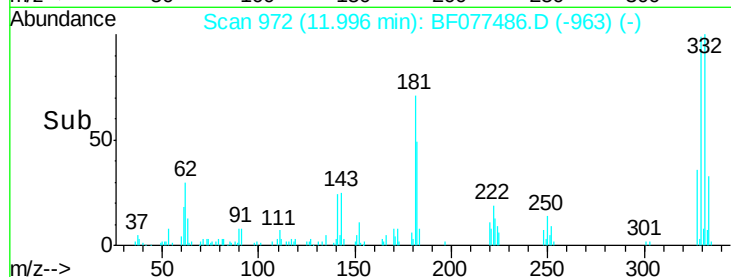
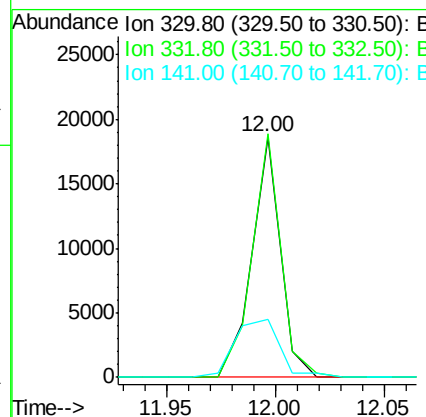
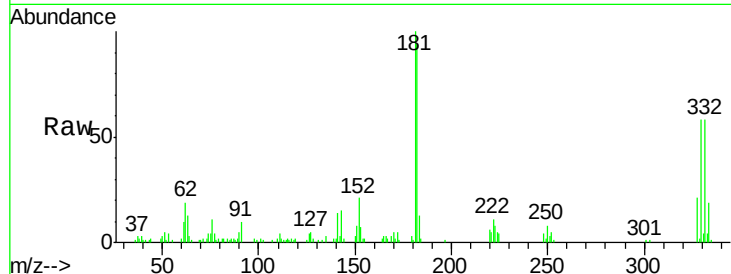
#41
 2,4,6-Tribromophenol
 Concen: 11.38 ng
 RT: 12.00 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: BF077486.D
 Acq: 27 Feb 2015 3:07

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 ClientSampled :
 B-9-D4

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	17035		
332	101.3	77.4	116.2	
141	38.5	28.8	43.2	

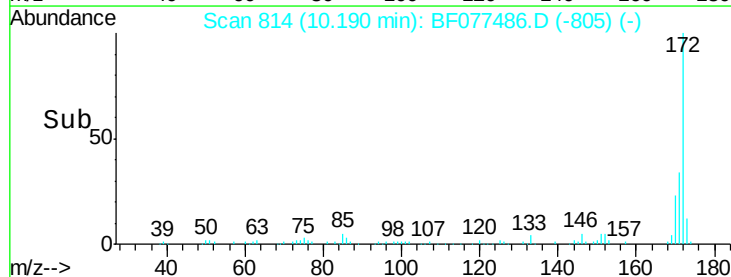
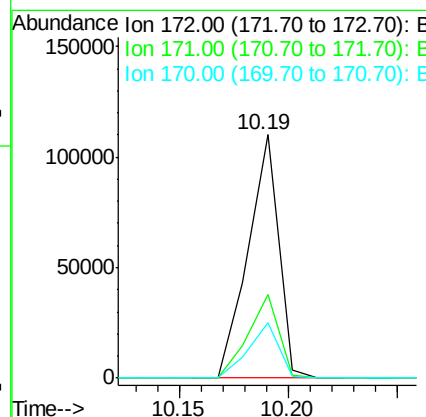
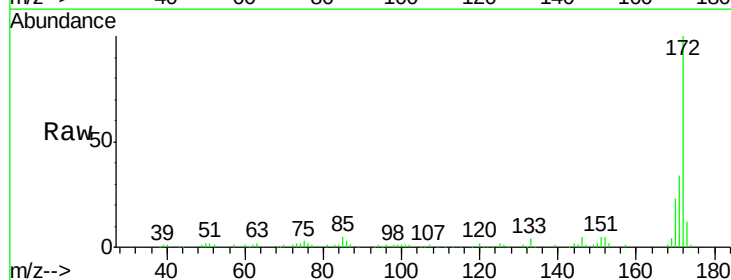
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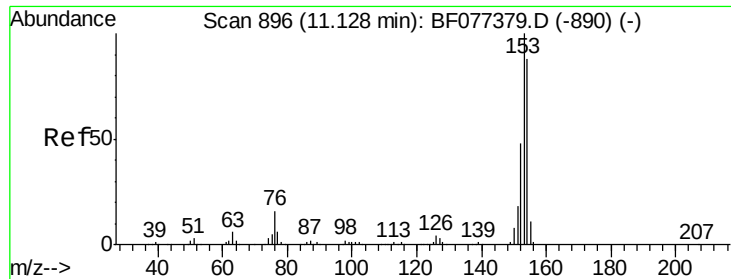
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#44
 2-Fluorobiphenyl
 Concen: 10.80 ng
 RT: 10.19 min Scan# 814
 Delta R.T. -0.00 min
 Lab File: BF077486.D
 Acq: 27 Feb 2015 3:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	107705		
171	34.2	28.9	43.3	
170	22.5	19.4	29.2	





#51

Acenaphthene

Concen: 11.62 ng

RT: 11.06 min Scan# 890

Delta R.T. -0.00 min

Lab File: BF077486.D

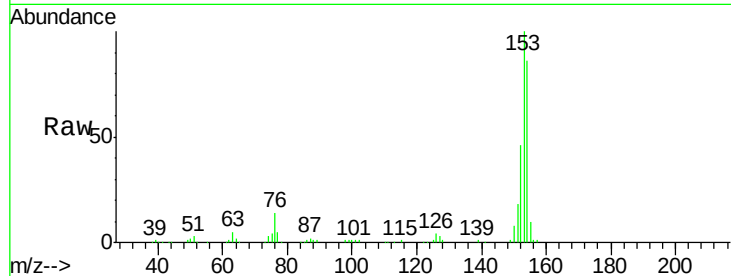
Acq: 27 Feb 2015 3:07

Instrument :

BNA_F

ClientSampleId :

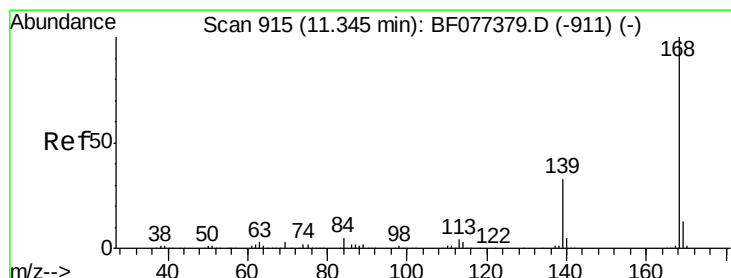
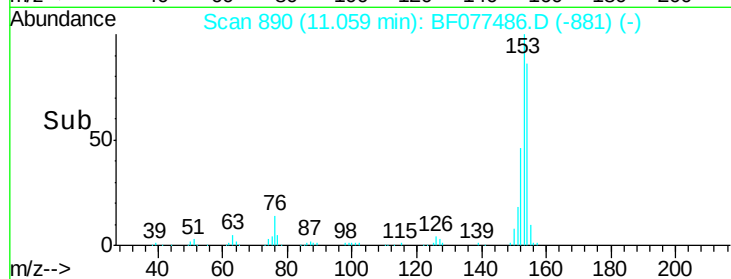
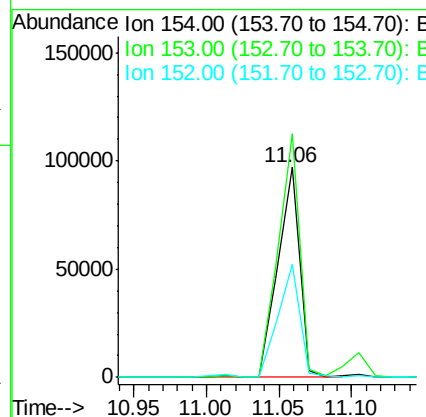
B-9-D4



Tgt Ion	Ratio	Resp	Lower	Upper
154	100	101441		
153	115.8	90.5	135.7	
152	53.5	43.5	65.3	

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#54

Dibenzofuran

Concen: 7.69 ng

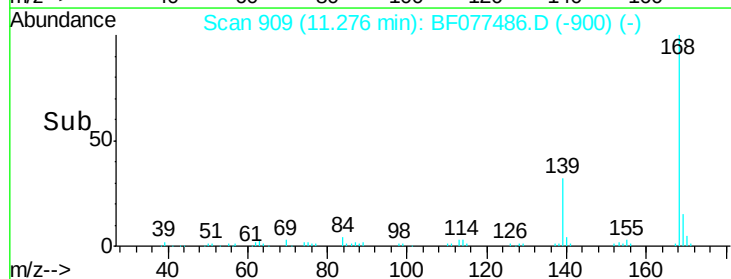
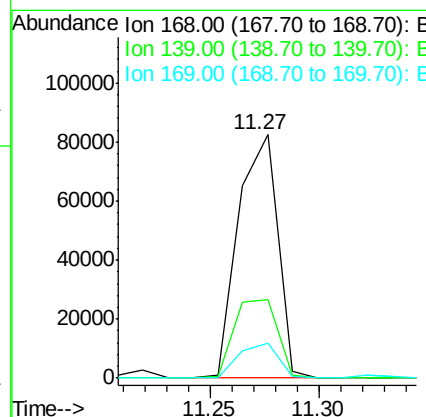
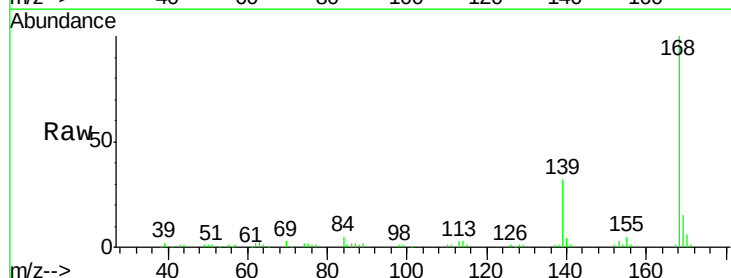
RT: 11.27 min Scan# 909

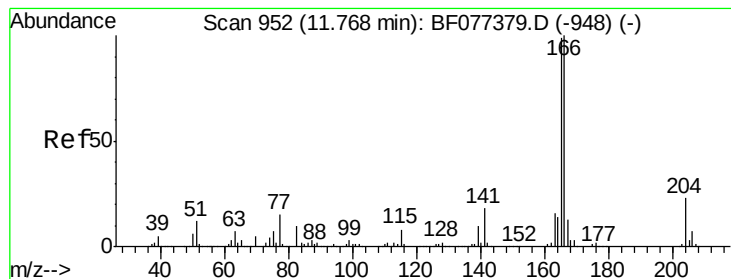
Delta R.T. -0.01 min

Lab File: BF077486.D

Acq: 27 Feb 2015 3:07

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	103667		
139	32.5	29.3	43.9	
169	14.5	10.9	16.3	





#57

Fluorene

Concen: 11.15 ng

RT: 11.70 min Scan# 946

Delta R.T. -0.00 min

Lab File: BF077486.D

Acq: 27 Feb 2015 3:07

Instrument :

BNA_F

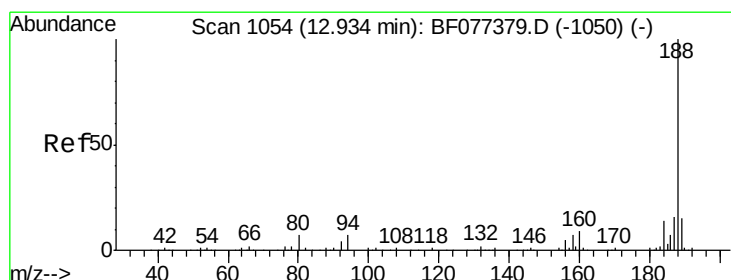
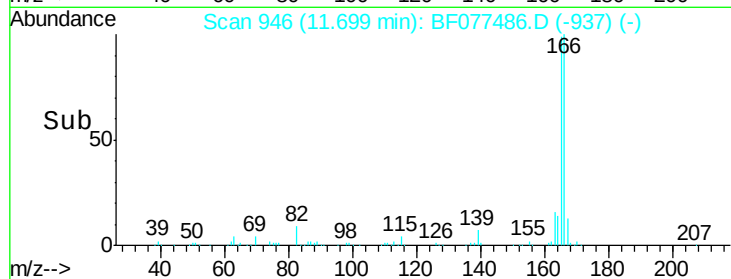
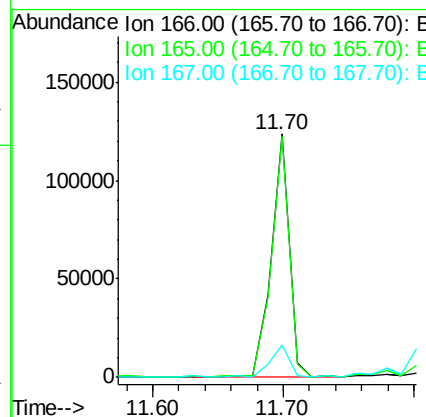
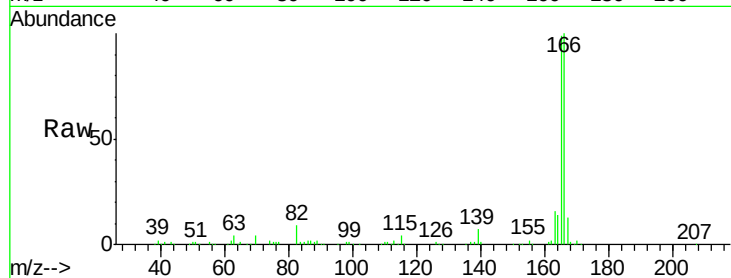
ClientSampleId :

B-9-D4

Tgt Ion:	166	Resp:	120077
Ion Ratio	Lower	Upper	
166	100		
165	99.3	77.6	116.4
167	13.3	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.00 ng

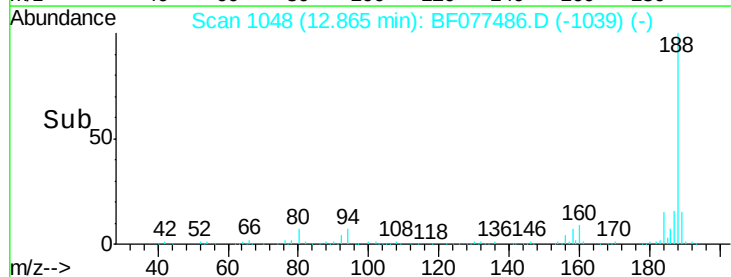
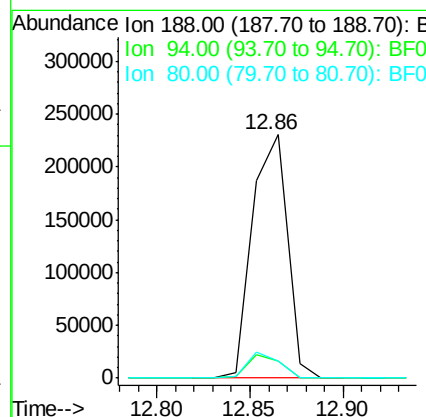
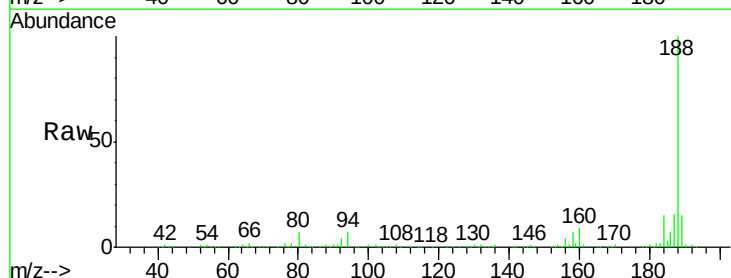
RT: 12.86 min Scan# 1048

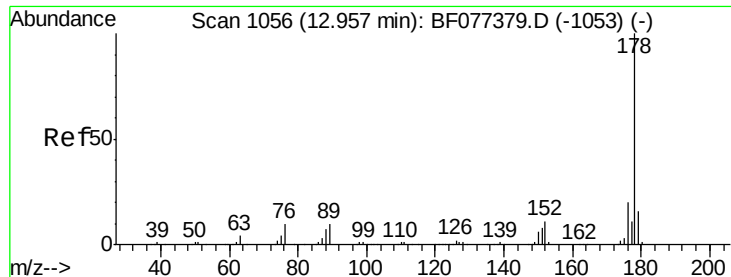
Delta R.T. -0.00 min

Lab File: BF077486.D

Acq: 27 Feb 2015 3:07

Tgt Ion:	188	Resp:	300701
Ion Ratio	Lower	Upper	
188	100		
94	6.9	7.4	11.2#
80	7.2	8.0	12.0#





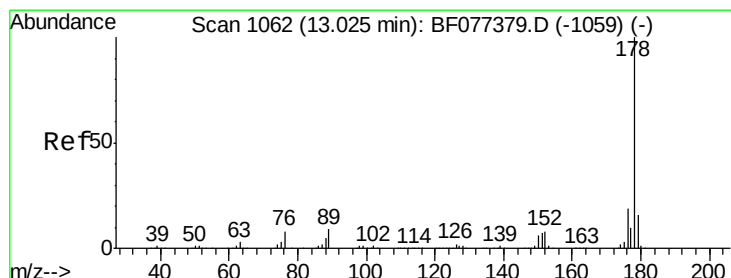
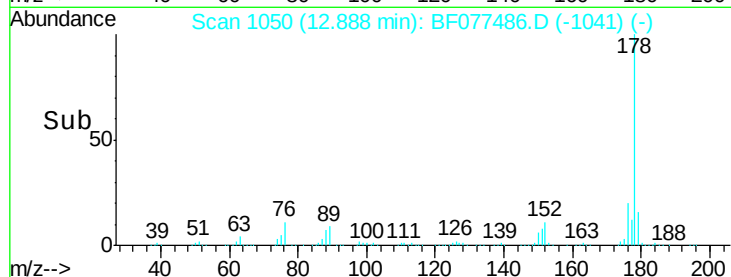
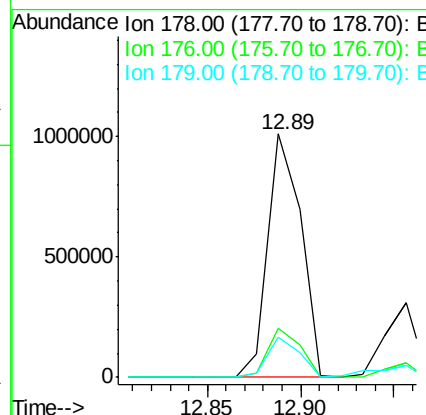
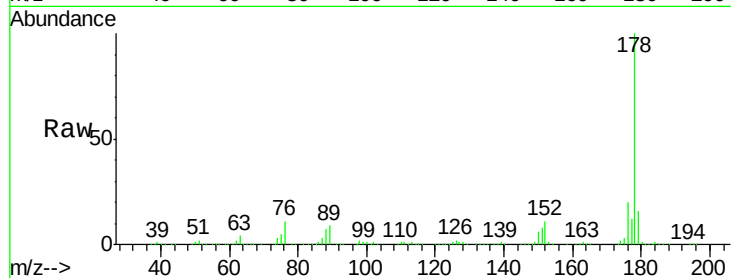
#70
Phenanthrene
Concen: 71.55 ng
RT: 12.89 min Scan# 1050
Delta R.T. 0.00 min
Lab File: BF077486.D
Acq: 27 Feb 2015 3:07

Instrument :
BNA_F
ClientSampled :
B-9-D4

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.5	23.3
179	16.5	12.2	18.2

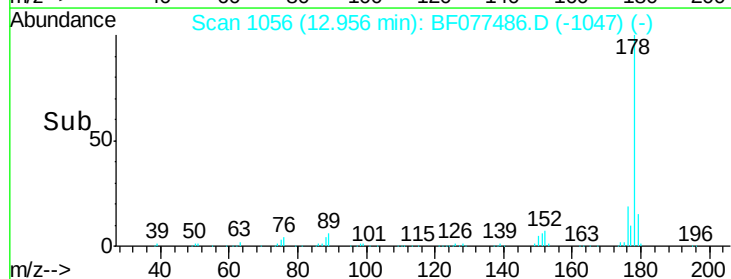
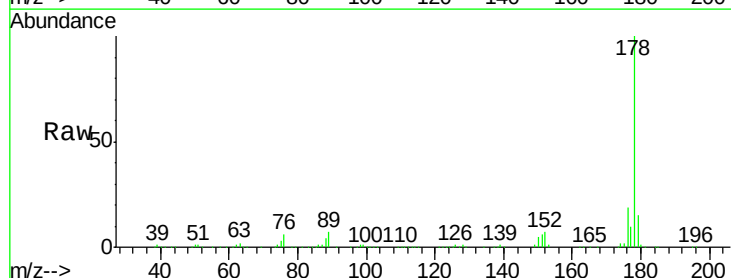
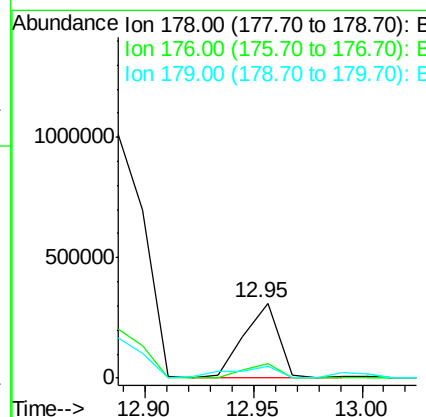
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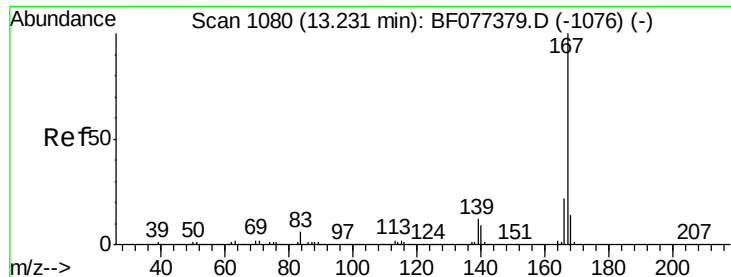
apatel
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#71
Anthracene
Concen: 19.51 ng
RT: 12.95 min Scan# 1056
Delta R.T. -0.00 min
Lab File: BF077486.D
Acq: 27 Feb 2015 3:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	15.2	12.9	19.3





#72

Carbazole

Concen: 10.82 ng

RT: 13.16 min Scan# 1073

Delta R.T. -0.01 min

Lab File: BF077486.D

Acq: 27 Feb 2015 3:07

Instrument :

BNA_F

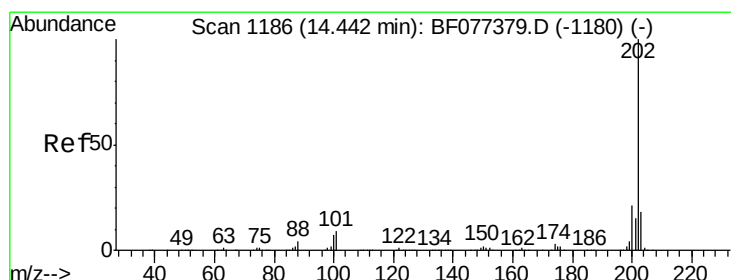
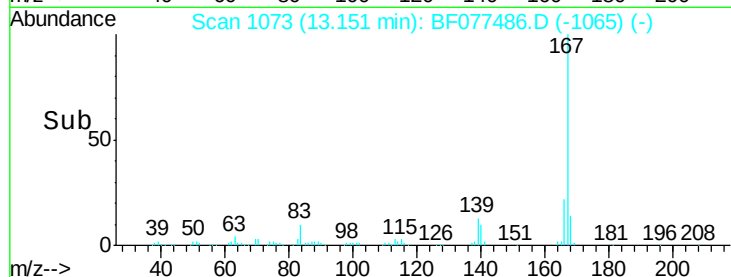
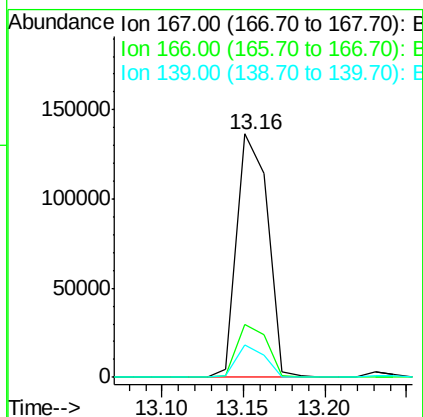
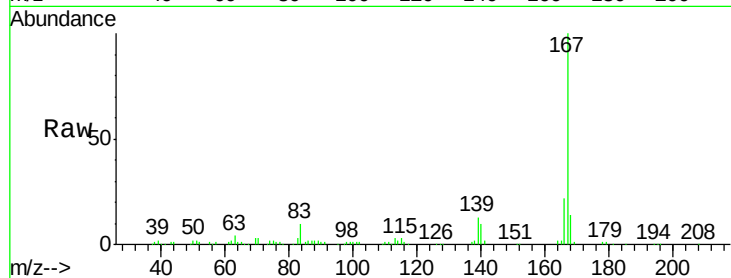
ClientSampleId :

B-9-D4

Tgt Ion:	167	Resp:	177967
Ion Ratio	Lower	Upper	
167	100		
166	21.6	17.6	26.4
139	13.2	9.9	14.9

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#74

Fluoranthene

Concen: 81.92 ng

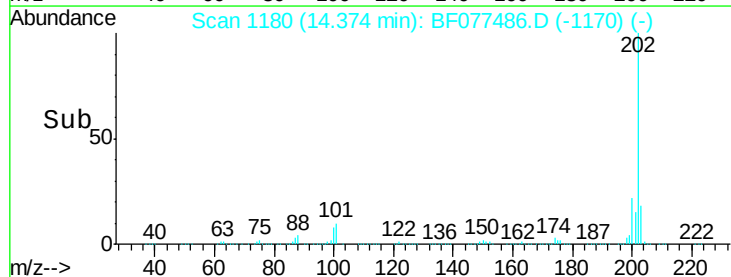
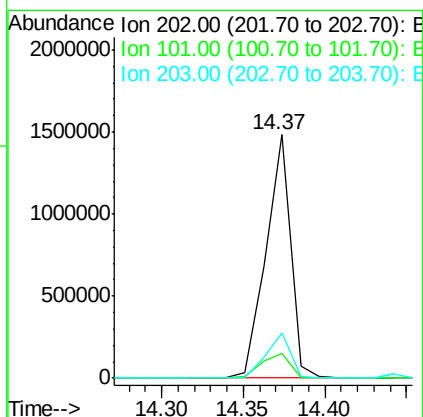
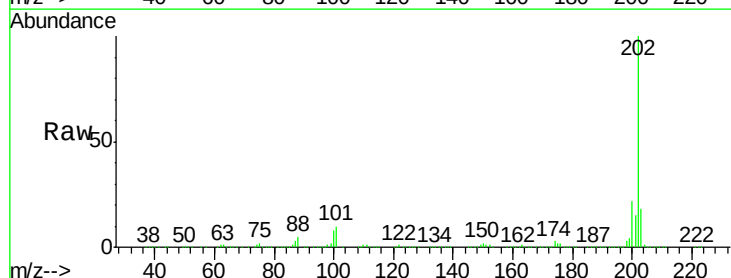
RT: 14.37 min Scan# 1180

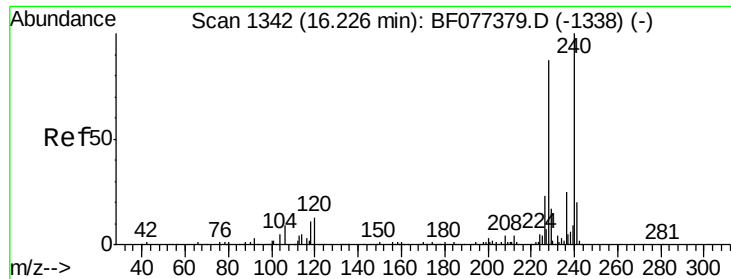
Delta R.T. 0.01 min

Lab File: BF077486.D

Acq: 27 Feb 2015 3:07

Tgt Ion:	202	Resp:	1559672
Ion Ratio	Lower	Upper	
202	100		
101	10.0	0.0	30.8
203	18.5	0.0	37.7





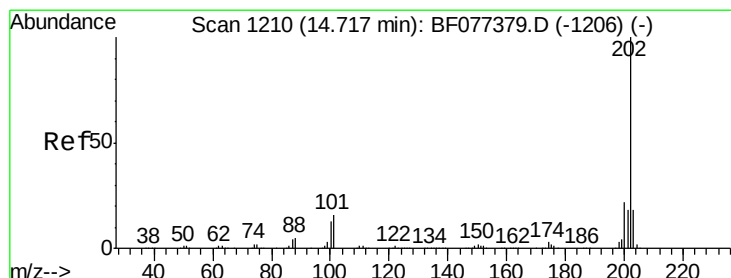
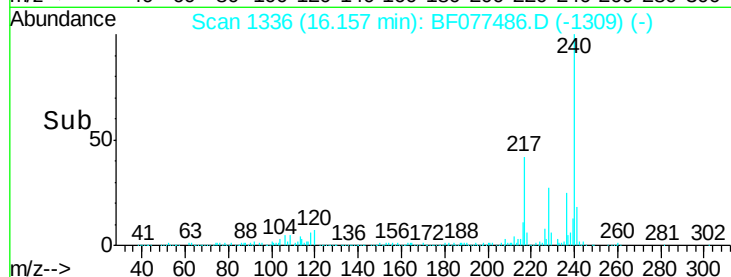
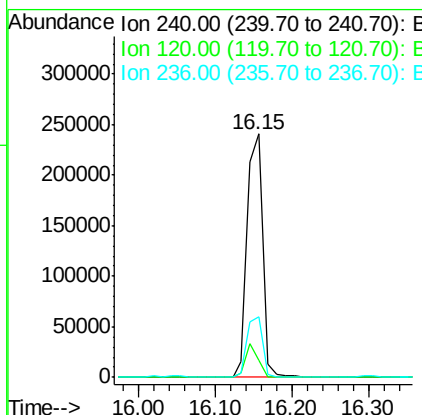
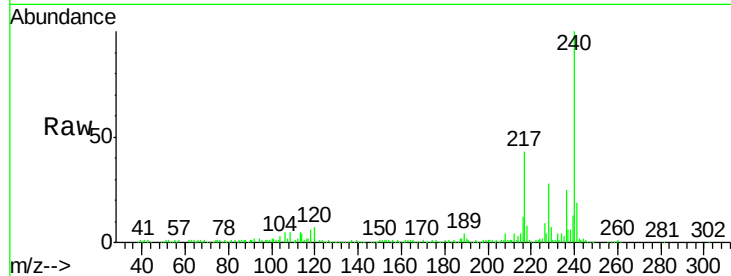
#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.15 min Scan# 1336
Delta R.T. 0.01 min
Lab File: BF077486.D
Acq: 27 Feb 2015 3:07

Instrument :
BNA_F
ClientSampleId :
B-9-D4

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	338949		
120	7.1	8.8	13.2	#
236	25.1	20.7	31.1	

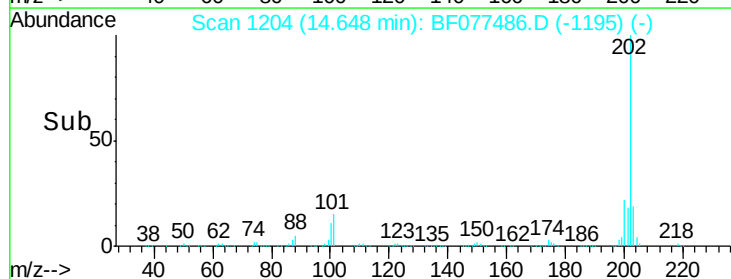
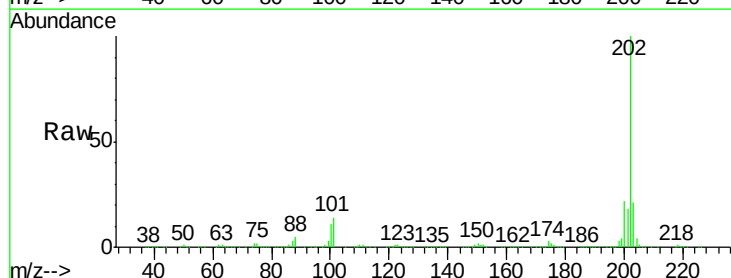
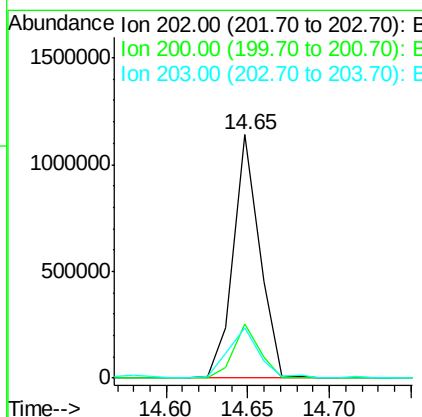
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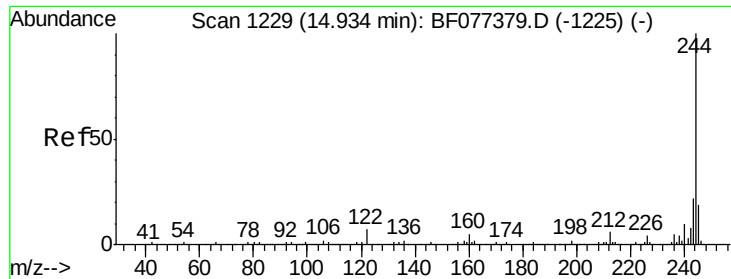
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#77
Pyrene
Concen: 61.20 ng
RT: 14.65 min Scan# 1204
Delta R.T. 0.00 min
Lab File: BF077486.D
Acq: 27 Feb 2015 3:07

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1268849		
200	22.1	17.1	25.7	
203	20.6	14.2	21.2	





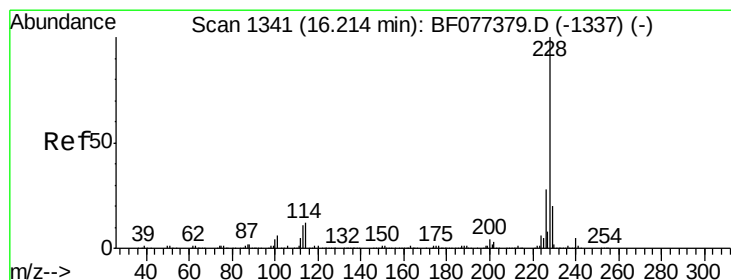
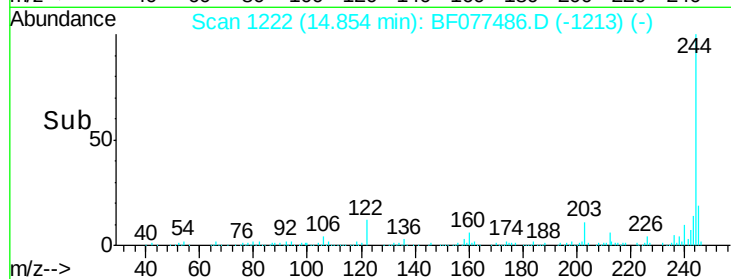
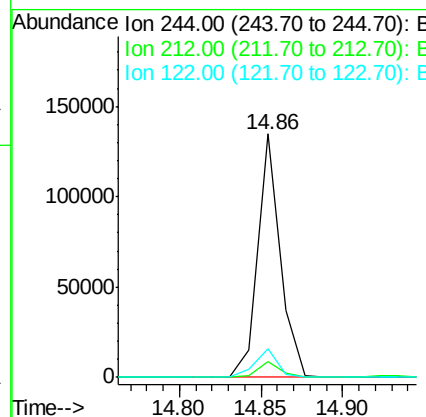
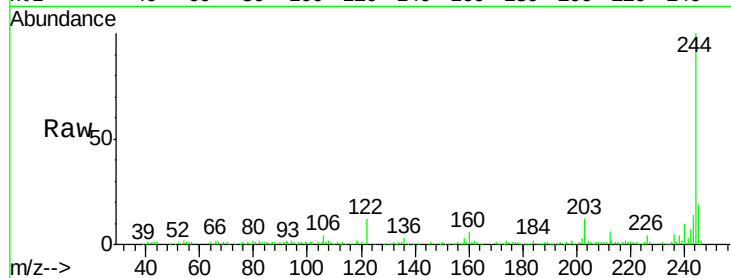
#78
 Terphenyl-d14
 Concen: 8.89 ng
 RT: 14.86 min Scan# 1222
 Delta R.T. 0.00 min
 Lab File: BF077486.D
 Acq: 27 Feb 2015 3:07

Instrument :
 BNA_F
 ClientSampleId :
 B-9-D4

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

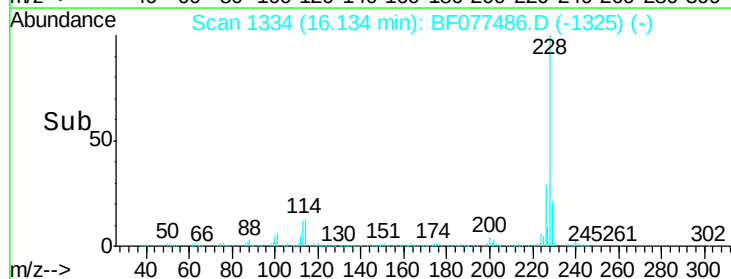
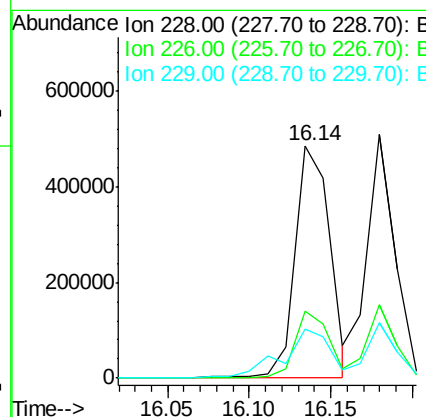
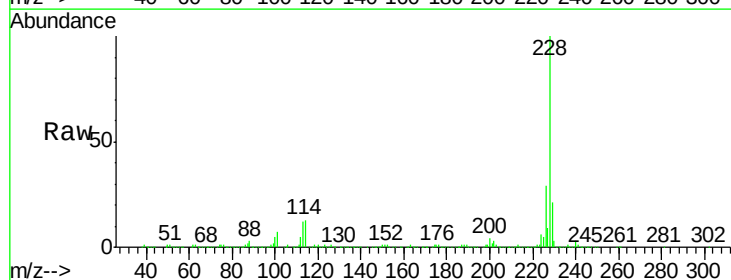
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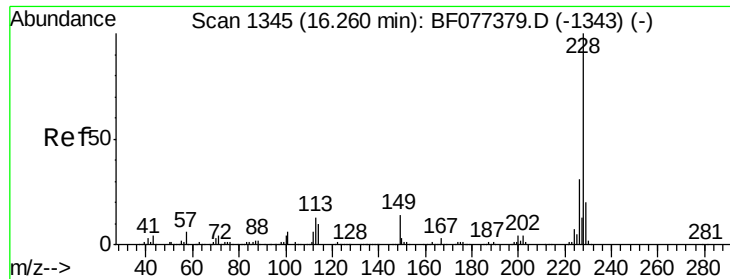
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#80
 Benzo(a)anthracene
 Concen: 36.25 ng
 RT: 16.14 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: BF077486.D
 Acq: 27 Feb 2015 3:07

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	28.6	22.0	33.0
229	21.3	15.8	23.8





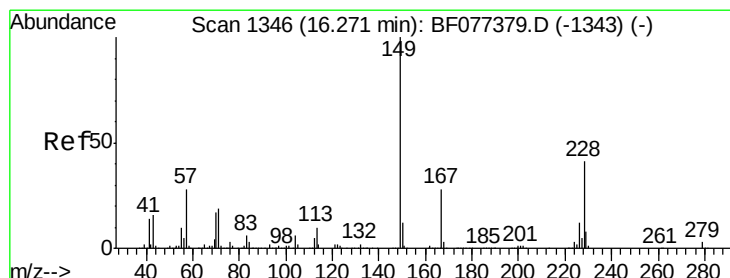
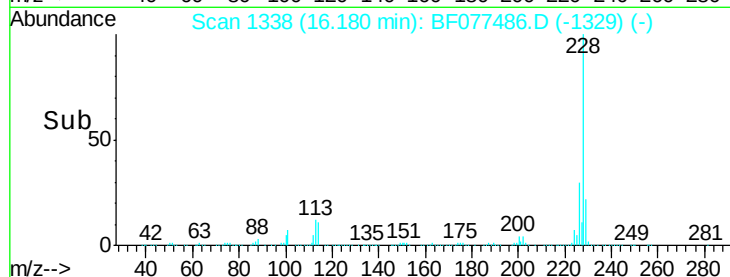
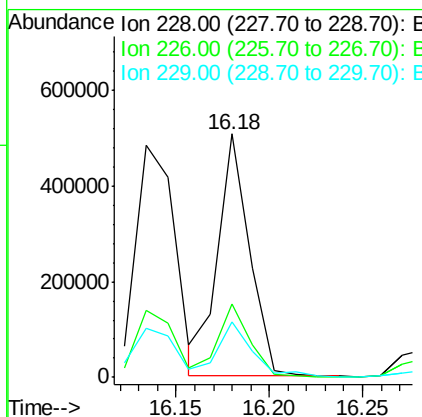
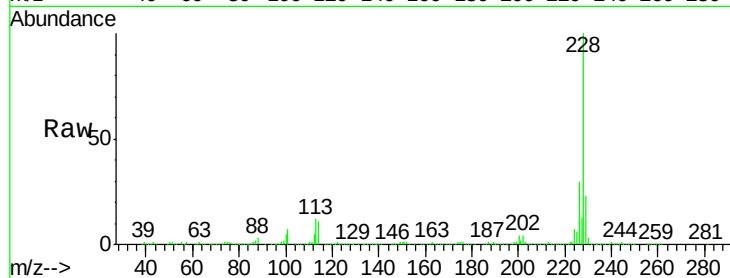
#82
Chrysene
Concen: 32.30 ng
RT: 16.18 min Scan# 1338
Delta R.T. -0.00 min
Lab File: BF077486.D
Acq: 27 Feb 2015 3:07

Instrument :
BNA_F
ClientSampleId :
B-9-D4

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	602567		
226	30.4		24.9	37.3
229	22.7		16.4	24.6

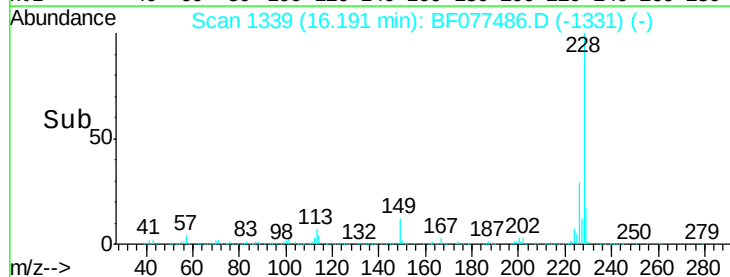
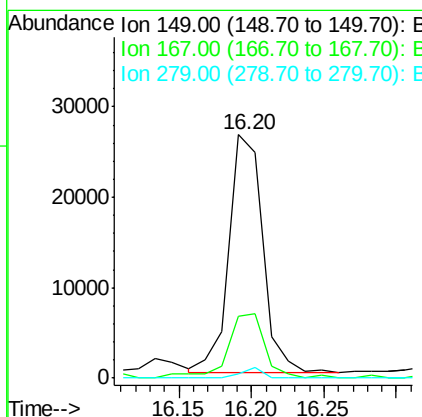
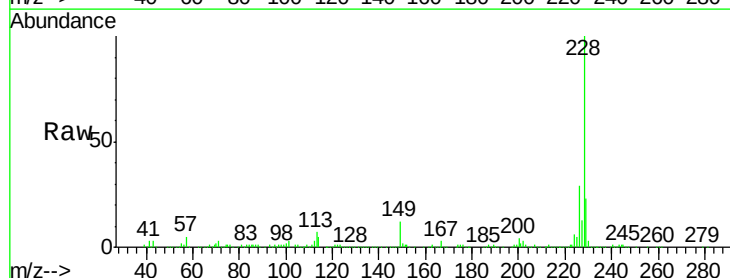
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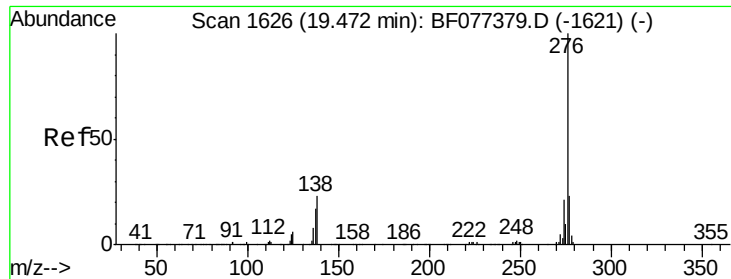
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#83
Bis(2-ethylhexyl)phthalate
Concen: 3.10 ng
RT: 16.20 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF077486.D
Acq: 27 Feb 2015 3:07

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	42371		
167	25.4		22.8	34.2
279	1.7		3.8	5.6#





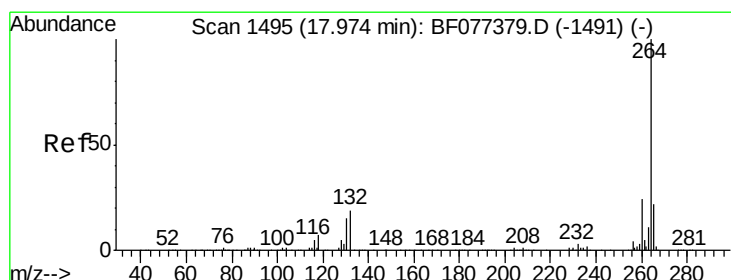
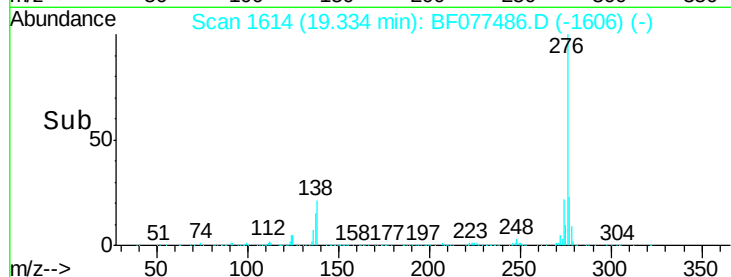
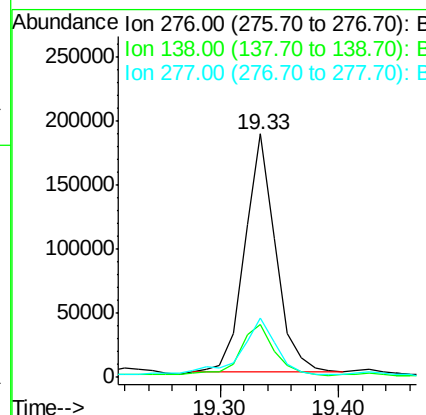
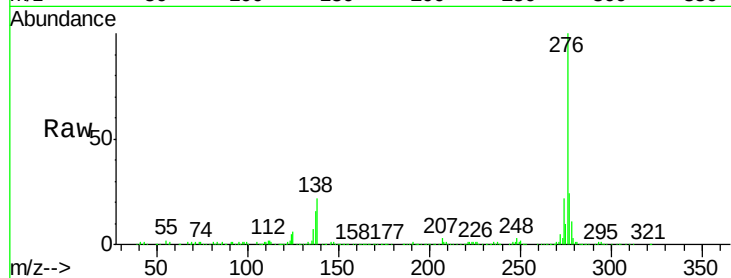
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 15.83 ng
 RT: 19.33 min Scan# 1614
 Delta R.T. -0.01 min
 Lab File: BF077486.D
 Acq: 27 Feb 2015 3:07

Instrument :
 BNA_F
 ClientSampled :
 B-9-D4

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.1	21.2	31.8
277	25.9	20.0	30.0

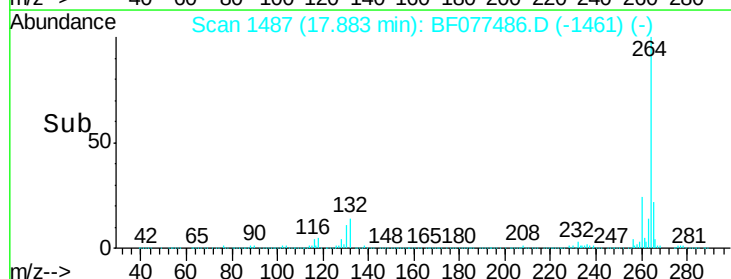
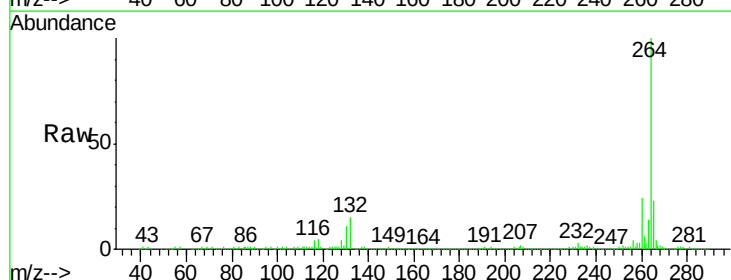
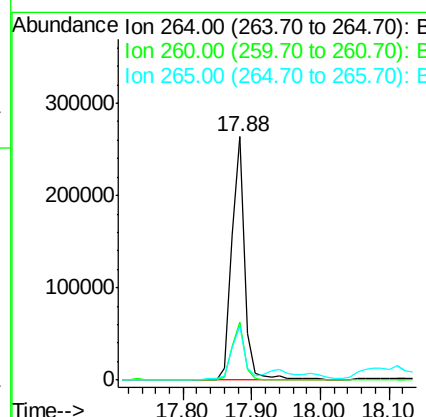
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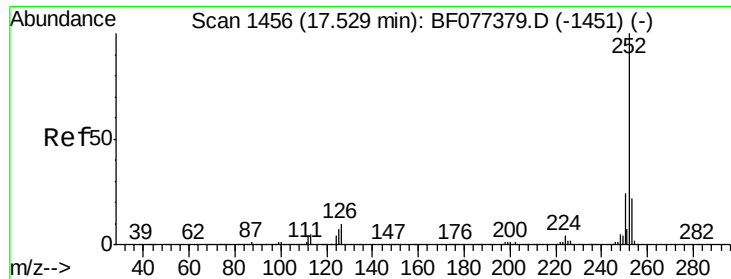
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.88 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: BF077486.D
 Acq: 27 Feb 2015 3:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.3	28.9
265	22.5	16.8	25.2





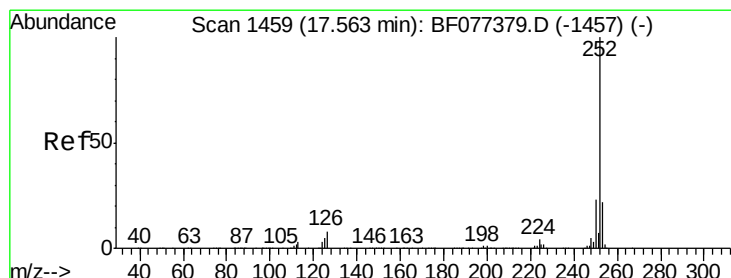
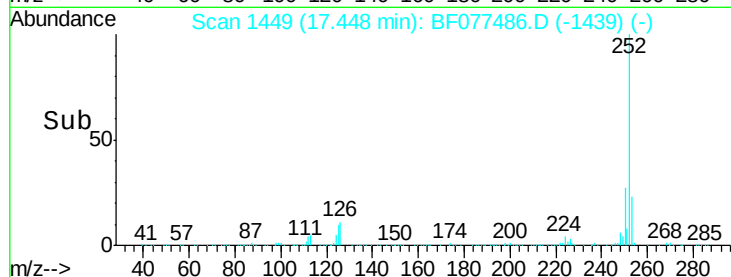
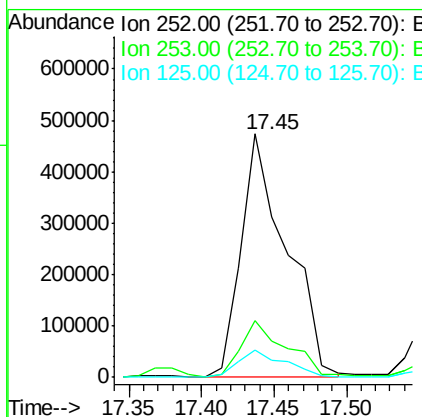
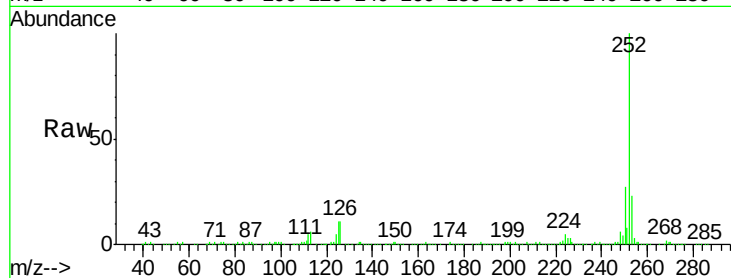
#87
Benzo(b)fluoranthene
Concen: 49.33 ng
RT: 17.45 min Scan# 1449
Delta R.T. 0.01 min
Lab File: BF077486.D
Acq: 27 Feb 2015 3:07

Instrument :
BNA_F
ClientSampleId :
B-9-D4

Tgt Ion: 252 Resp: 1020134
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 10.6 5.4 8.2#

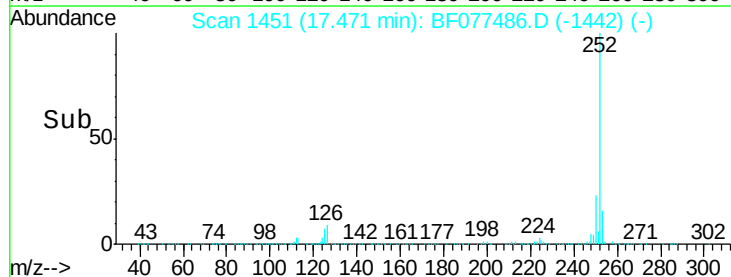
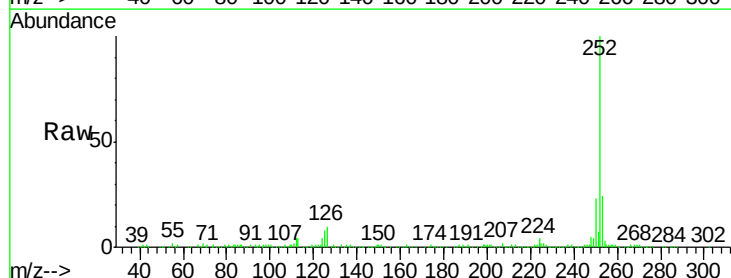
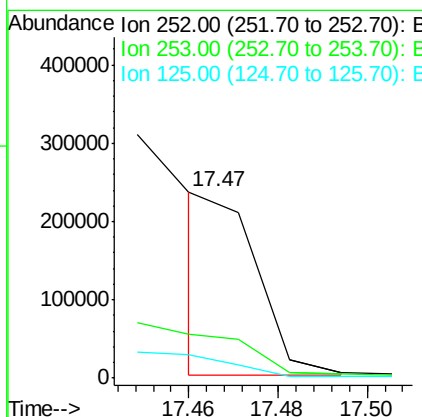
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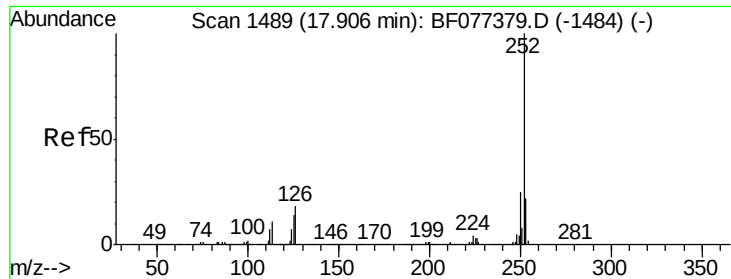
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#88
Benzo(k)fluoranthene
Concen: 7.85 ng m
RT: 17.47 min Scan# 1451
Delta R.T. -0.00 min
Lab File: BF077486.D
Acq: 27 Feb 2015 3:07

Tgt Ion: 252 Resp: 159083
Ion Ratio Lower Upper
252 100
253 23.5 18.1 27.1
125 7.8 10.1 15.1#





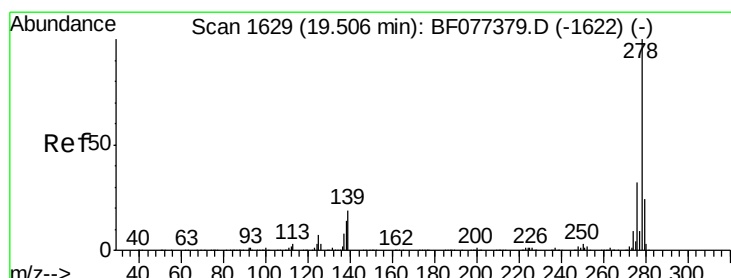
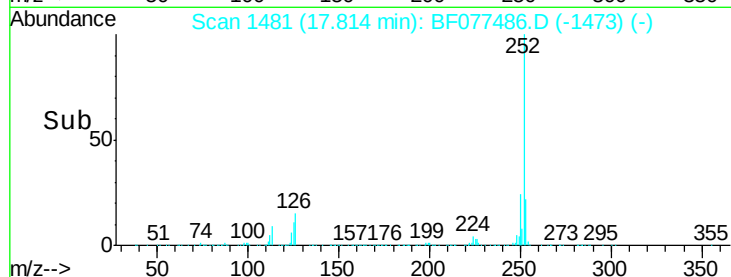
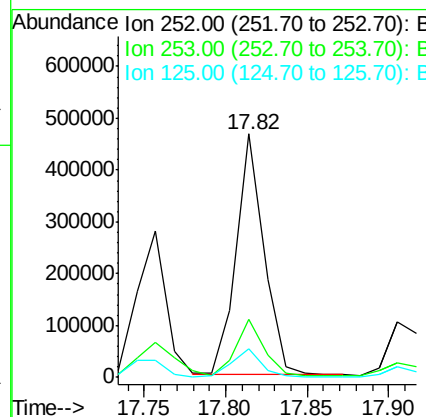
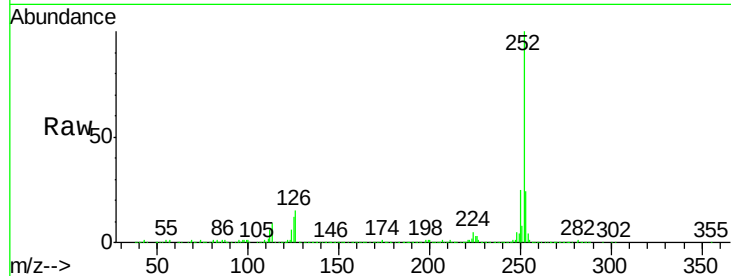
#89
Benzo(a)pyrene
Concen: 27.68 ng
RT: 17.82 min Scan# 1481
Delta R.T. -0.01 min
Lab File: BF077486.D
Acq: 27 Feb 2015 3:07

Instrument :
BNA_F
ClientSampleId :
B-9-D4

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.6	18.2	27.2
125	11.6	8.3	12.5

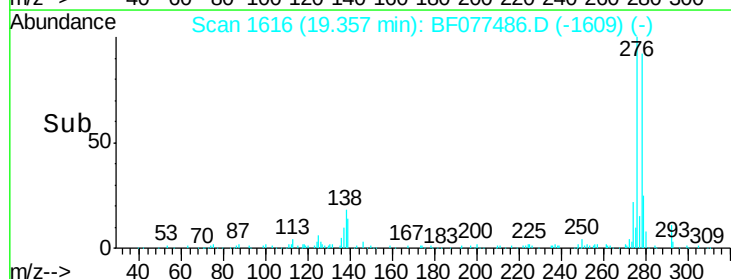
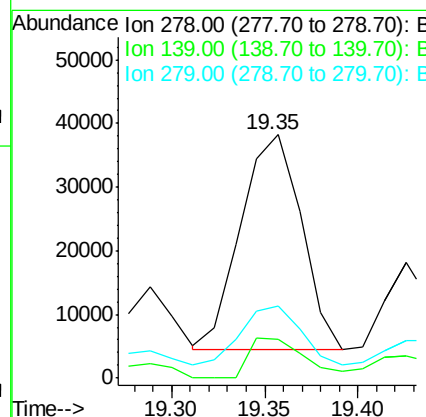
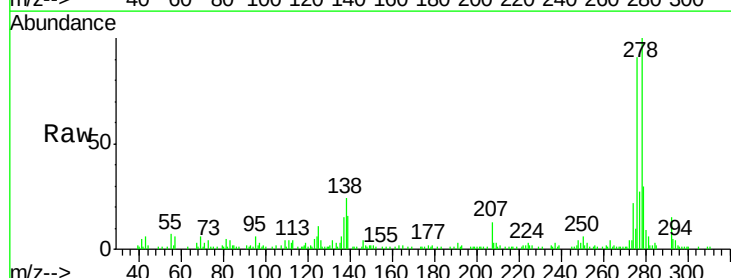
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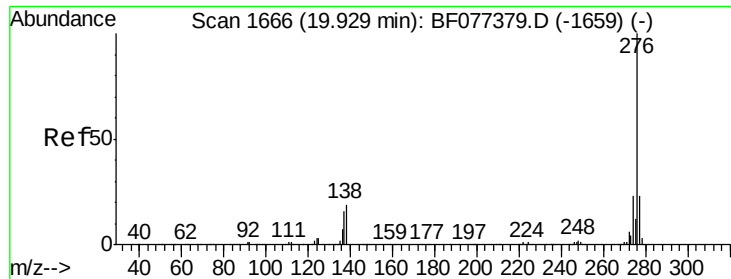
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#90
Dibenzo(a,h)anthracene
Concen: 4.06 ng
RT: 19.35 min Scan# 1616
Delta R.T. -0.03 min
Lab File: BF077486.D
Acq: 27 Feb 2015 3:07

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	16.0	14.3	21.5
279	29.8	19.0	28.6





#91
 Benzo(g,h,i)perylene
 Concen: 17.19 ng
 RT: 19.76 min Scan# 1652
 Delta R.T. -0.02 min
 Lab File: BF077486.D
 Acq: 27 Feb 2015 3:07

Instrument :
 BNA_F
 ClientSampleId :
 B-9-D4

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100				
277	23.4	18.9	28.3		
138	20.2	20.5	30.7		

Manual Integrations
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