

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030615\
 Data File : BF077634.D
 Acq On : 6 Mar 2015 21:02
 Operator : TP/IZ
 Sample : G1424-08DL 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SEP-1DL

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Quant Time: Mar 07 00:36:18 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 06 22:10:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.20	152	63361	20.00	ng	0.00
21) Naphthalene-d8	8.78	136	261725	20.00	ng	0.00
38) Acenaphthene-d10	10.95	164	131133	20.00	ng	0.00
63) Phenanthrene-d10	12.79	188	264297	20.00	ng	0.00
75) Chrysene-d12	16.08	240	271521	20.00	ng	0.00
86) Perylene-d12	17.85	264	275766	20.00	ng	0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	73301	19.31	ng	0.00
7) Phenol-d6	6.76	99	99164	20.32	ng	0.00
23) Nitrobenzene-d5	7.89	82	51864	12.32	ng	0.00
41) 2,4,6-Tribromophenol	11.93	330	22680	17.96	ng	0.00
44) 2-Fluorobiphenyl	10.12	172	99976	11.89	ng	0.00
78) Terphenyl-d14	14.78	244	95008	8.18	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.80	128	79353	6.06	ng	97
37) 2-Methylnaphthalene	9.66	142	41200	4.43	ng	98
51) Acenaphthene	10.99	154	56542	7.68	ng	100
54) Dibenzofuran	11.20	168	51416	4.52	ng	94
57) Fluorene	11.63	166	102870	11.32	ng	99
70) Phenanthrene	12.82	178	889039	58.04	ng	99
71) Anthracene	12.88	178	200703	13.20	ng	98
72) Carbazole	13.09	167	44269	3.06	ng	99
74) Fluoranthene	14.29	202	701573	41.93	ng	99
77) Pyrene	14.57	202	719561	43.32	ng	# 95
80) Benzo(a)anthracene	16.07	228	285500	17.94	ng	98
82) Chrysene	16.11	228	242528	16.23	ng	98
85) Indeno(1,2,3-cd)pyrene	19.26	276	116561	6.84	ng	95
87) Benzo(b)fluoranthene	17.39	252	288414m	17.99	ng	
88) Benzo(k)fluoranthene	17.43	252	68112m	4.33	ng	
89) Benzo(a)pyrene	17.78	252	207909	13.61	ng	99
90) Dibenzo(a,h)anthracene	19.28	278	29675	2.04	ng	94
91) Benzo(g,h,i)perylene	19.68	276	122689	8.35	ng	98

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

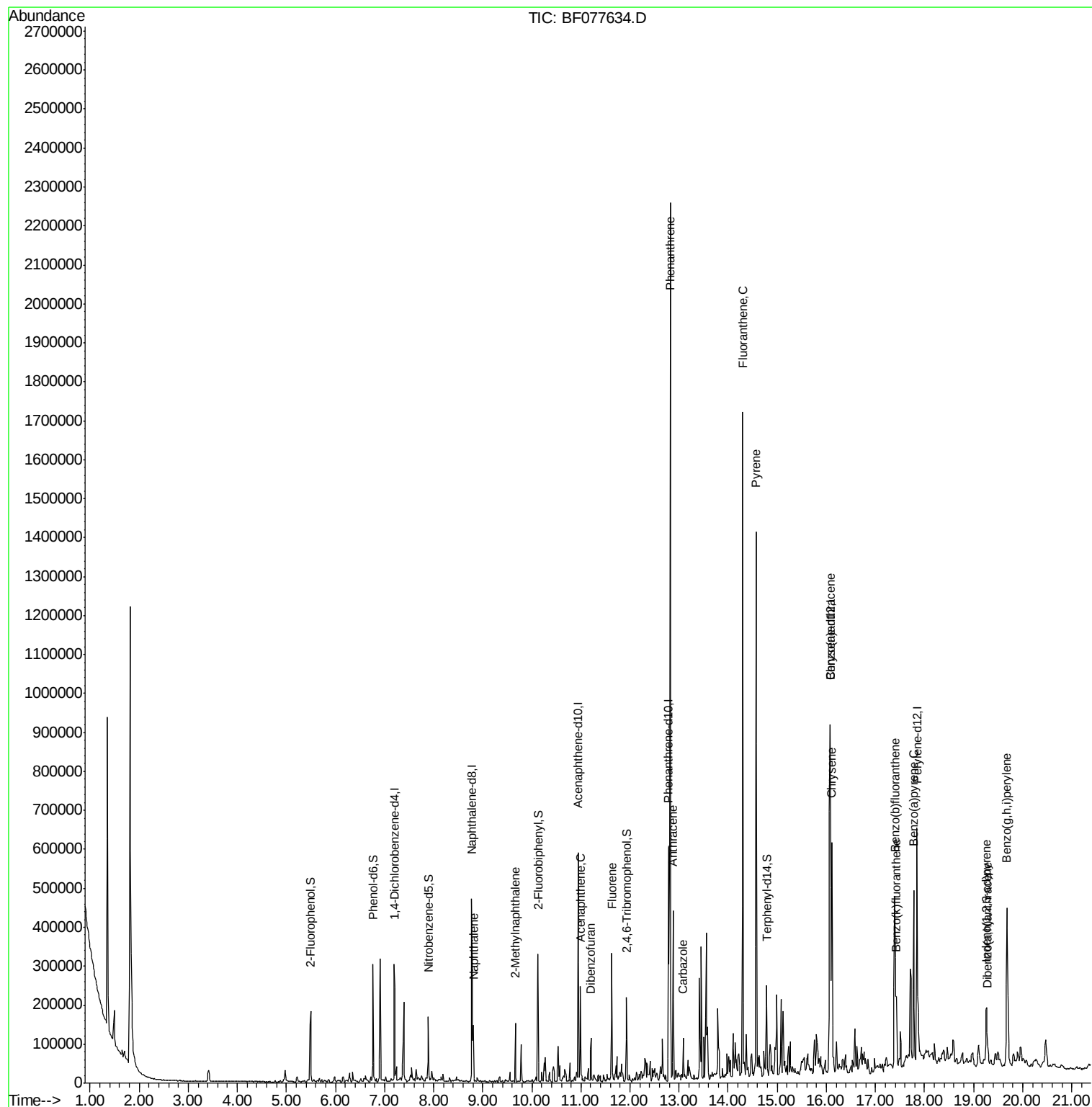
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030615\
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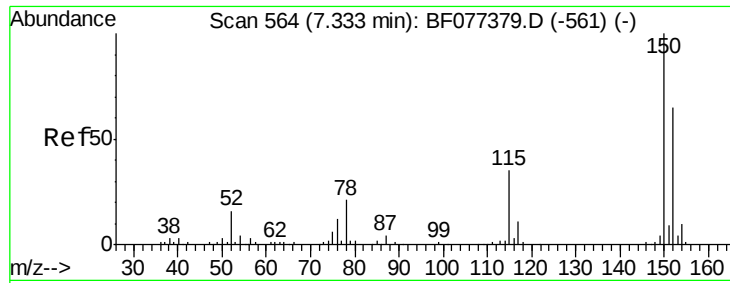
Instrument :
BNA_F
ClientSampleId :
SEP-1DL

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Quant Time: Mar 07 00:36:18 2015
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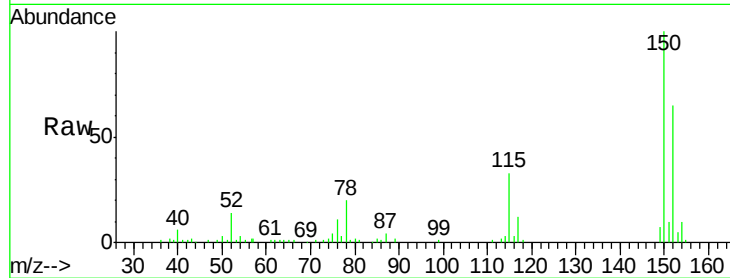




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.20 min Scan# 553
Delta R.T. -0.00 min
Lab File: BF077634.D
Acq: 6 Mar 2015 21:02

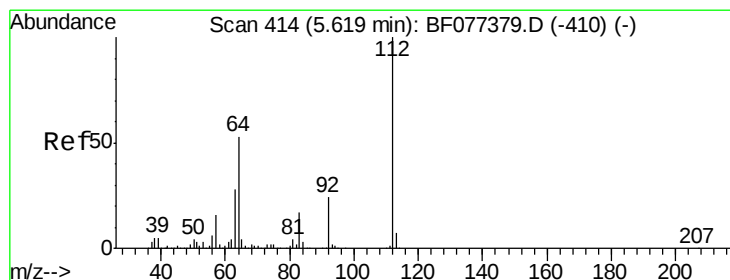
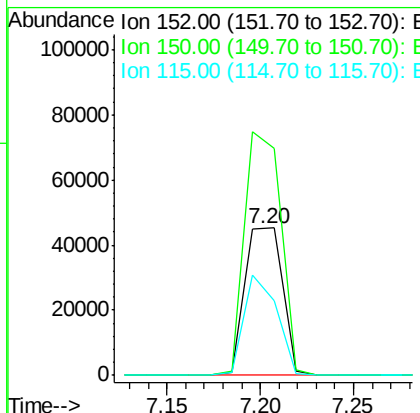
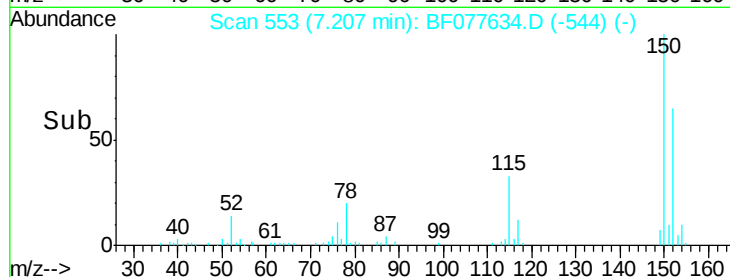
Instrument :
BNA_F
ClientSampled :
SEP-1DL



Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.7	124.0	186.0
115	50.8	49.4	74.2

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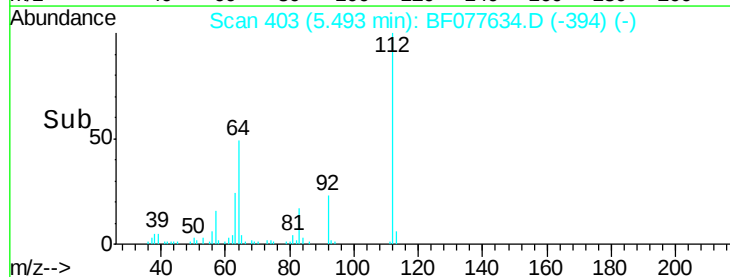
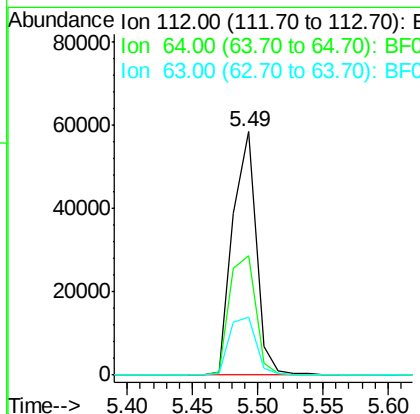
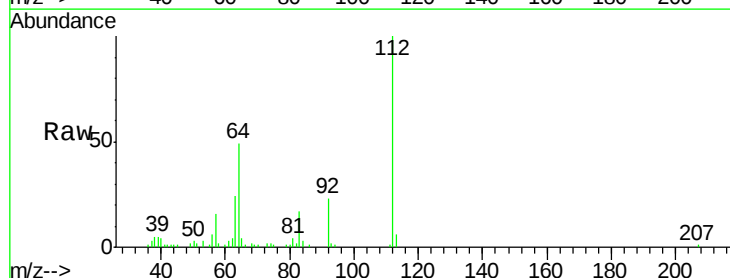
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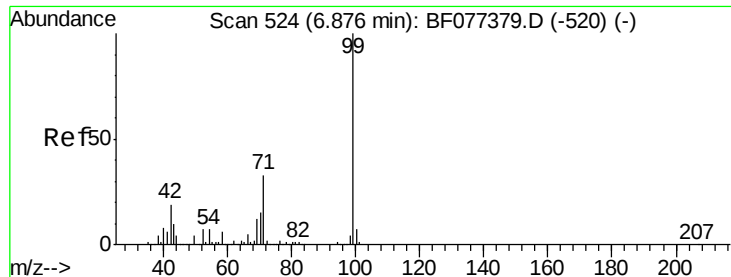


#5

2-Fluorophenol
Concen: 19.31 ng
RT: 5.49 min Scan# 403
Delta R.T. -0.00 min
Lab File: BF077634.D
Acq: 6 Mar 2015 21:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.2	48.5	72.7
63	23.9	25.0	37.4





#7

Phenol-d6

Concen: 20.32 ng

RT: 6.76 min Scan# 514

Delta R.T. -0.01 min

Lab File: BF077634.D

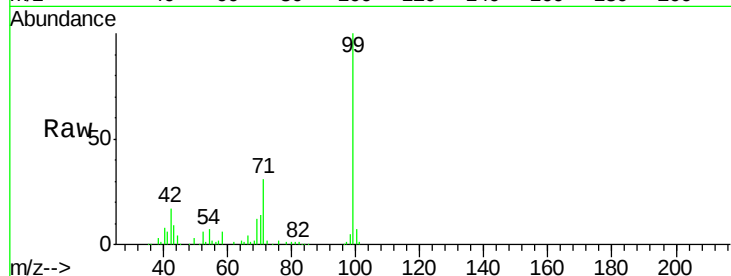
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Instrument :

BNA_F

ClientSampleId :

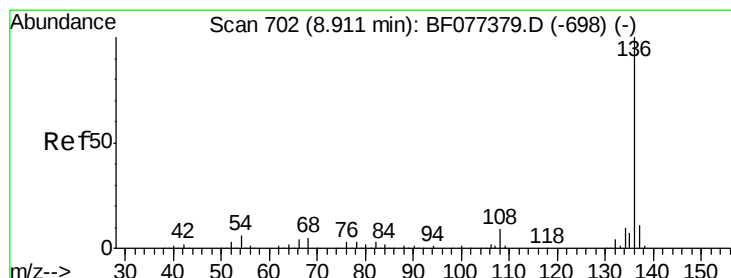
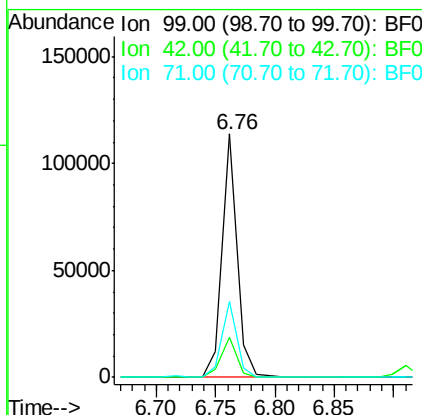
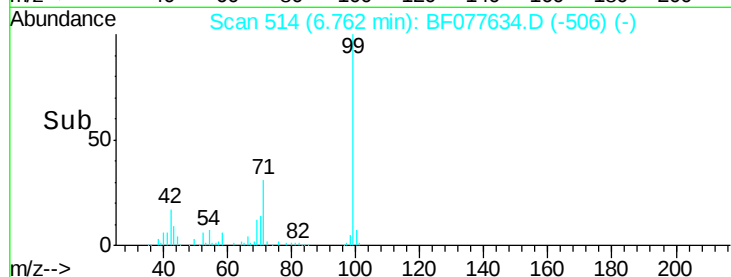
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Tgt Ion	Ratio	Resp	Lower	Upper
99	100	99164		
42	16.6	16.2	24.4	
71	31.0	26.7	40.1	

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#21

Naphthalene-d8

Concen: 20.00 ng

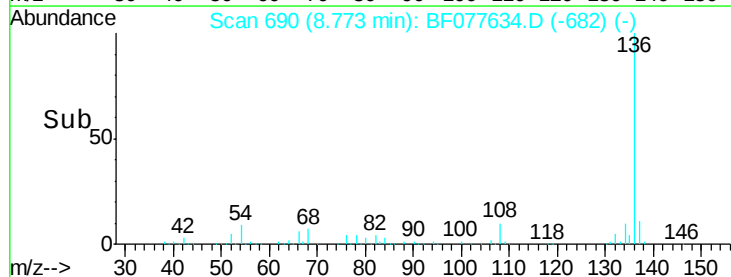
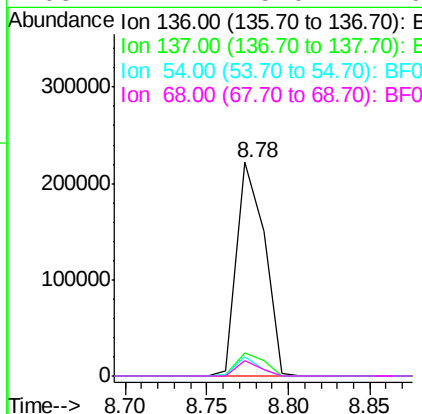
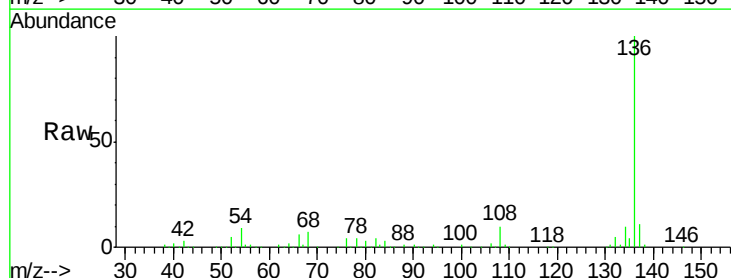
RT: 8.78 min Scan# 690

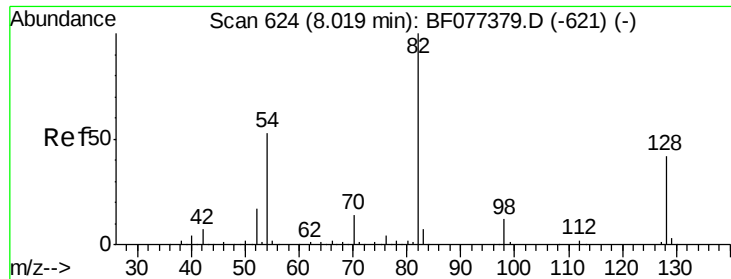
Delta R.T. -0.00 min

Lab File: BF077634.D

Acq: 6 Mar 2015 21:02

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	261725		
137	11.0	8.6	13.0	
54	9.1	6.2	9.4	
68	7.4	5.0	7.6	





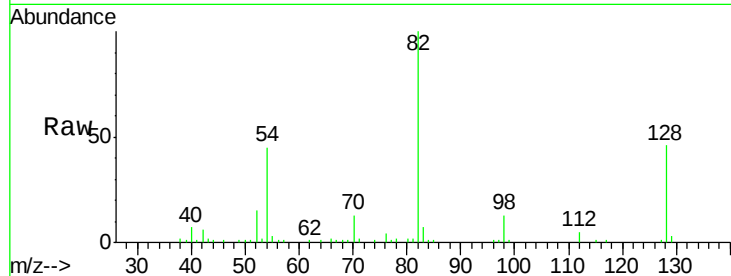
#23
 Nitrobenzene-d5
 Concen: 12.32 ng
 RT: 7.89 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: BF077634.D
 Acq: 6 Mar 2015 21:02

Instrument :
 BNA_F
 ClientSampleId :
 SEP-1DL

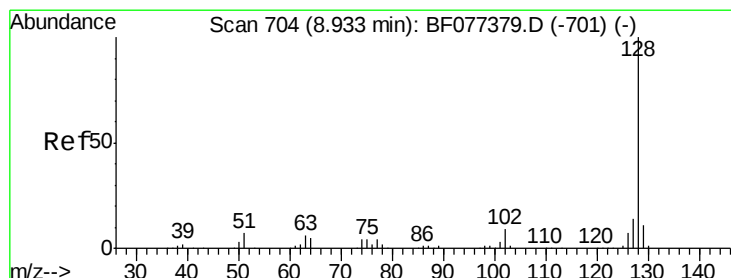
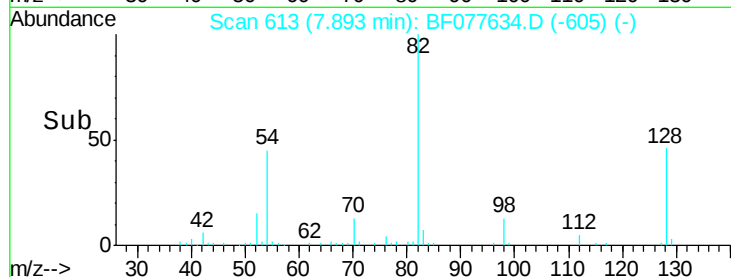
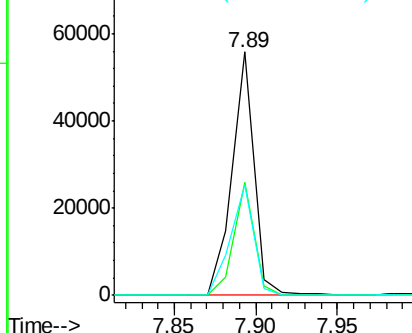
Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.3	43.8	65.8
54	45.1	36.7	55.1

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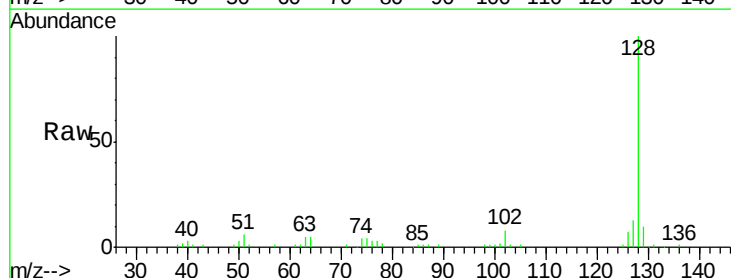


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

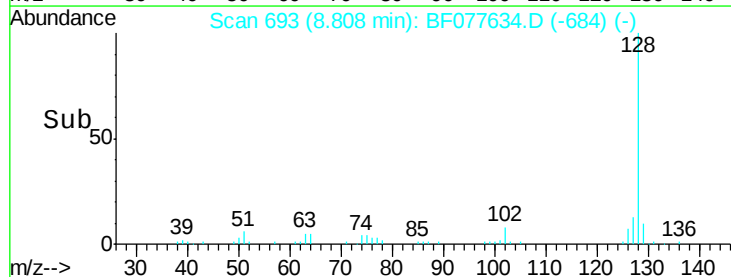
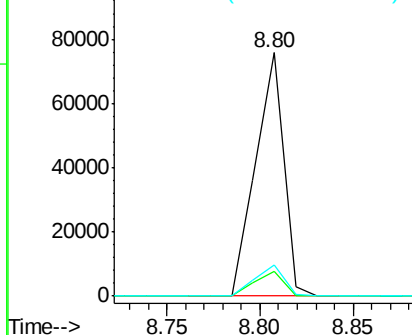


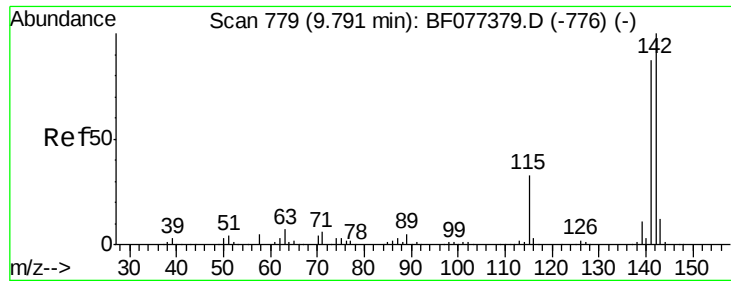
#31
 Naphthalene
 Concen: 6.06 ng
 RT: 8.80 min Scan# 693
 Delta R.T. -0.00 min
 Lab File: BF077634.D
 Acq: 6 Mar 2015 21:02

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.0	9.4	14.0
127	12.7	10.6	15.8



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





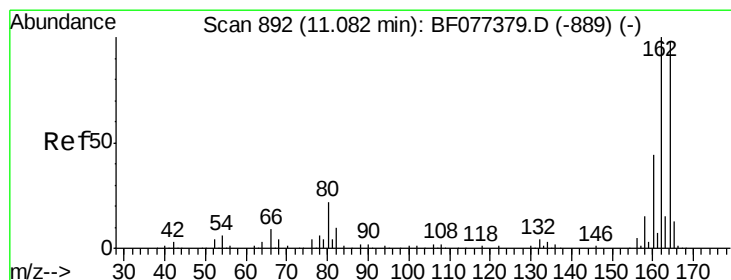
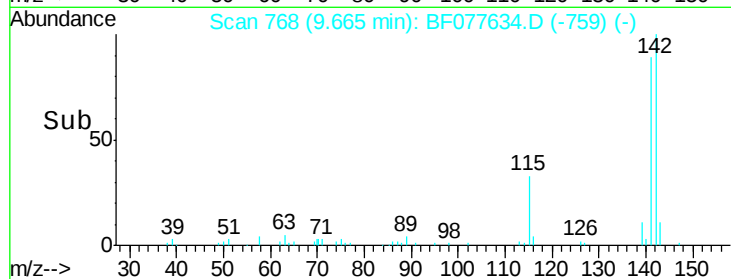
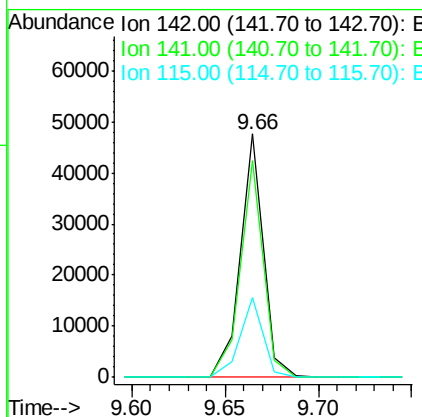
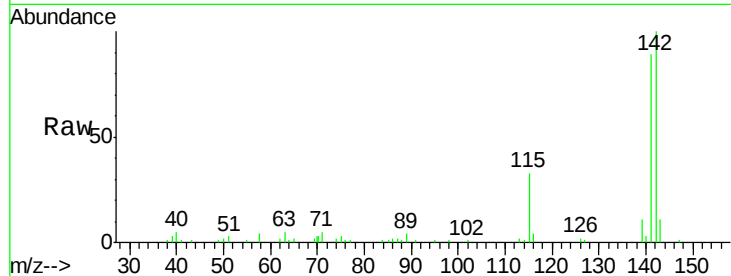
#37
2-Methylnaphthalene
Concen: 4.43 ng
RT: 9.66 min Scan# 768
Delta R.T. -0.00 min
Lab File: BF077634.D
Acq: 6 Mar 2015 21:02

Instrument :
BNA_F
ClientSampleId :
SEP-1DL

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.7	106.1
115	32.5	24.2	36.4

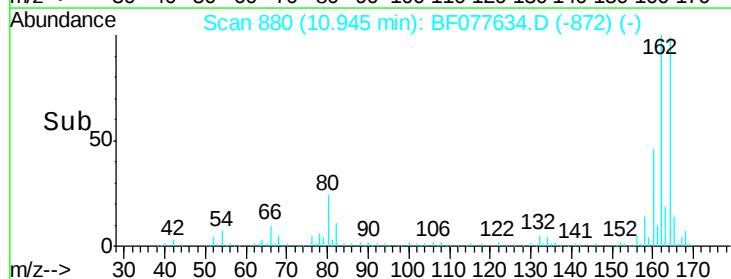
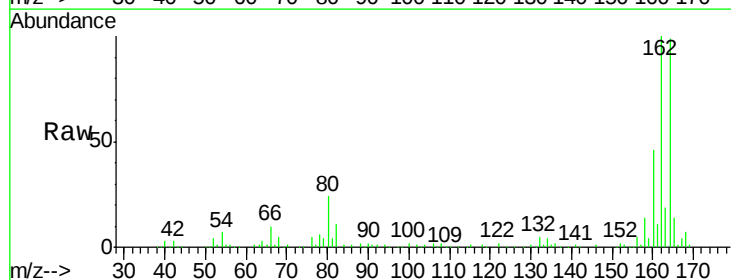
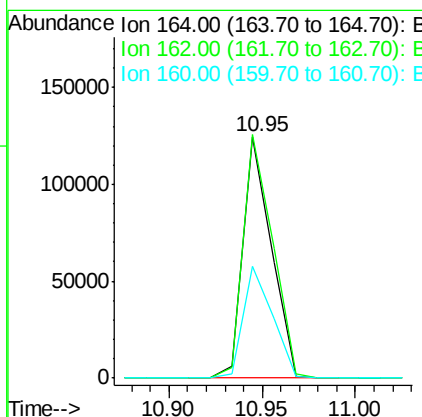
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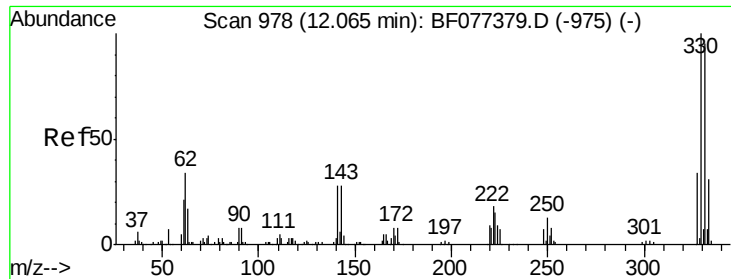
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.95 min Scan# 880
Delta R.T. -0.00 min
Lab File: BF077634.D
Acq: 6 Mar 2015 21:02

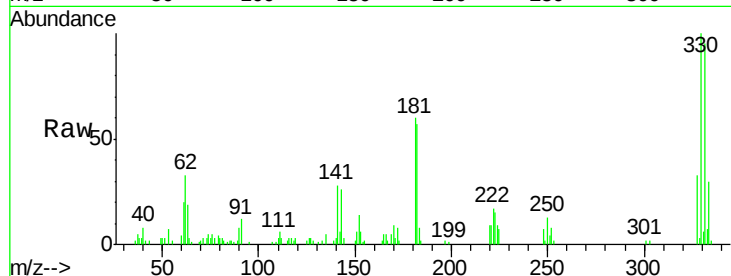
Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	83.2	124.8
160	46.4	34.6	52.0





#41
 2,4,6-Tribromophenol
 Concen: 17.96 ng
 RT: 11.93 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: BF077634.D
 Acq: 6 Mar 2015 21:02

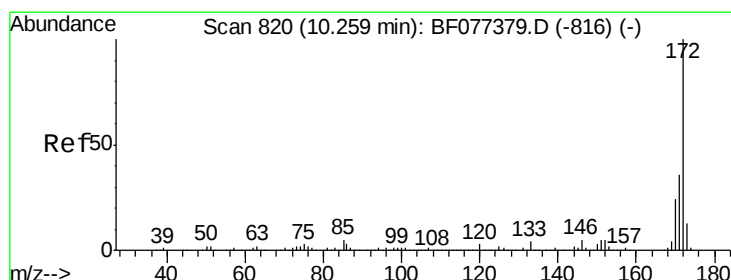
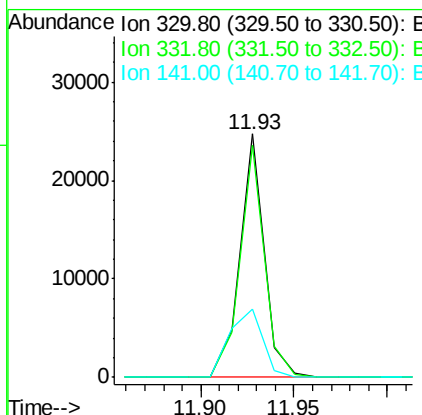
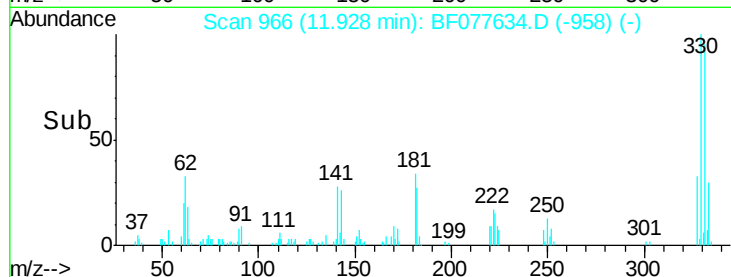
Instrument :
 BNA_F
 ClientSampleId :
 SEP-1DL



Tgt Ion	Ratio	Resp	Lower	Upper
330	100	22680		
332	95.9	77.4	116.2	
141	38.4	28.8	43.2	

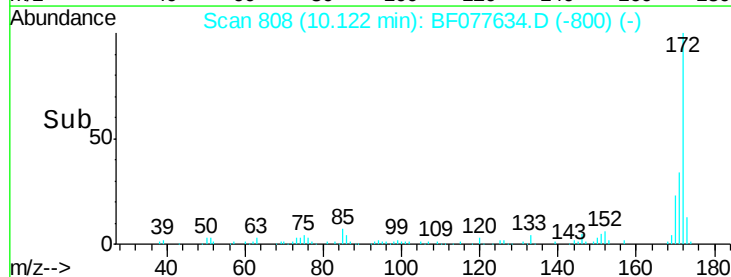
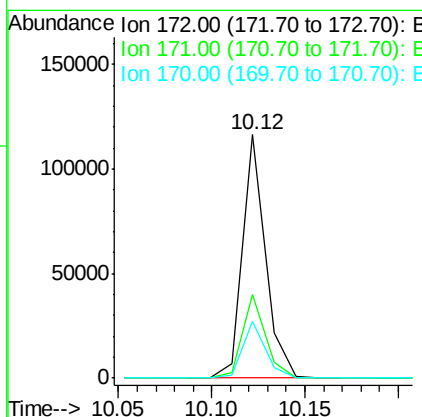
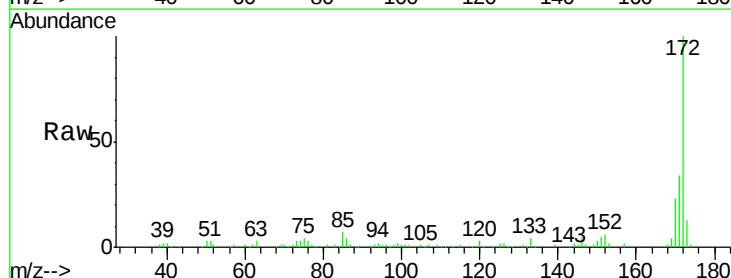
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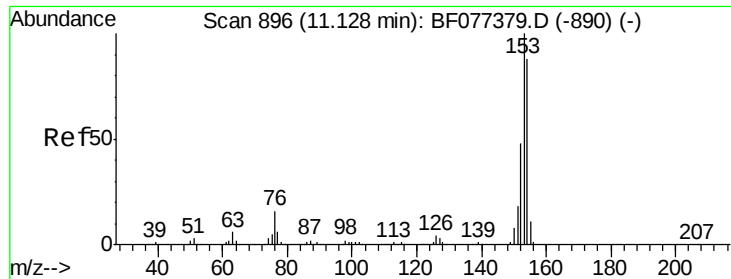
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#44
 2-Fluorobiphenyl
 Concen: 11.89 ng
 RT: 10.12 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: BF077634.D
 Acq: 6 Mar 2015 21:02

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	99976		
171	34.2	28.9	43.3	
170	23.3	19.4	29.2	





#51

Acenaphthene

Concen: 7.68 ng

RT: 10.99 min Scan# 884

Delta R.T. -0.00 min

Lab File: BF077634.D

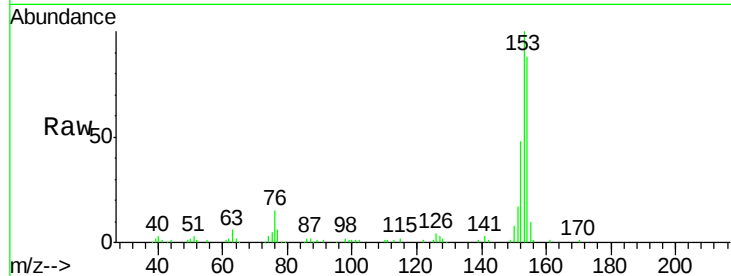
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Instrument :

BNA_F

ClientSampleId :

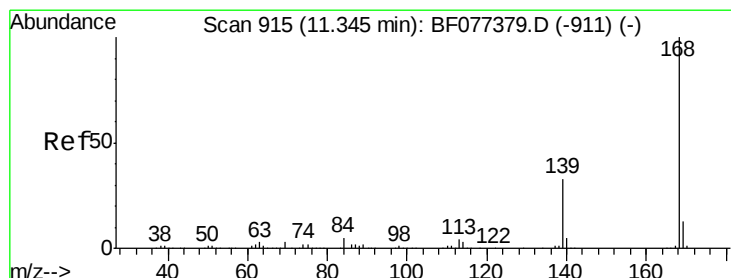
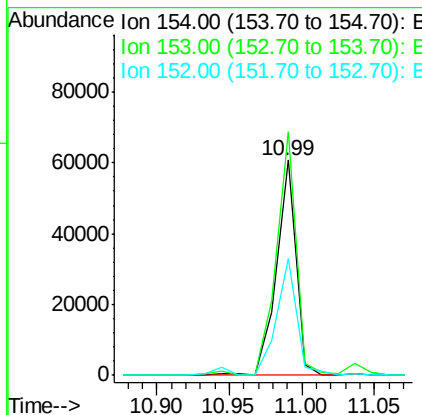
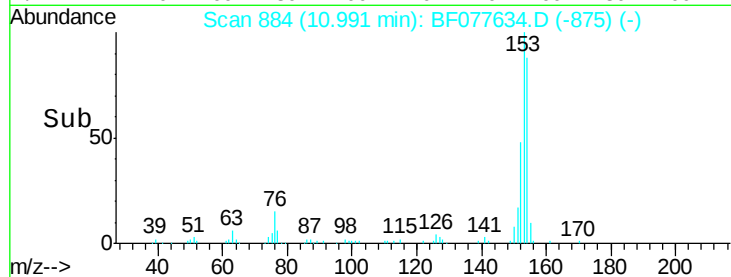
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Tgt Ion:	154	Resp:	56542
Ion Ratio	Lower	Upper	
154	100		
153	113.3	90.5	135.7
152	54.2	43.5	65.3

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#54

Dibenzofuran

Concen: 4.52 ng

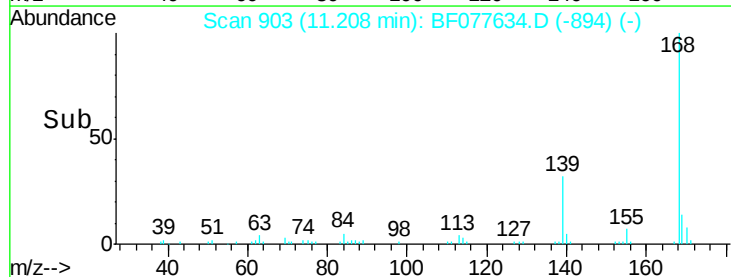
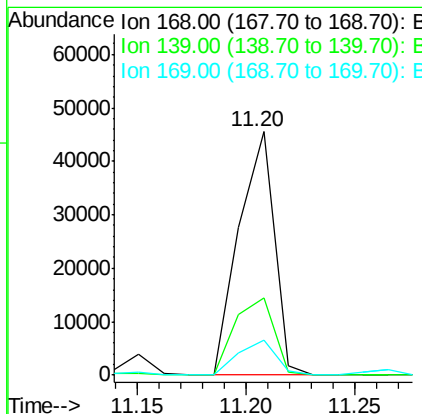
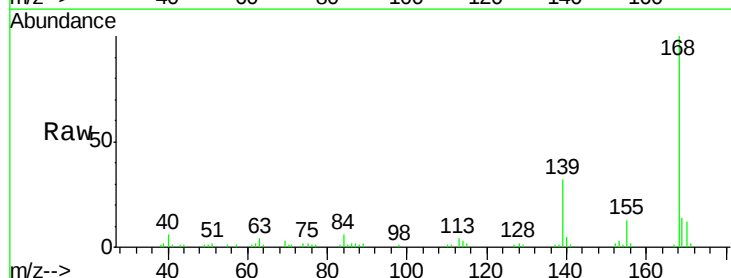
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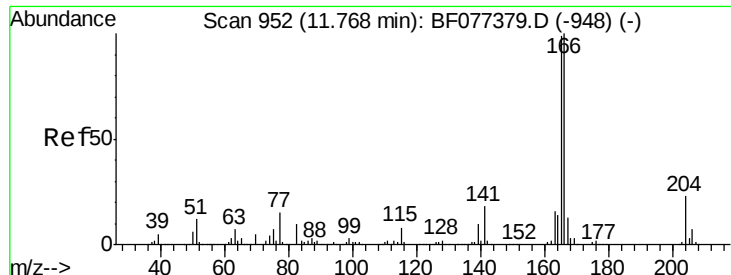
Delta R.T. -0.00 min

Lab File: BF077634.D

Acq: 6 Mar 2015 21:02

Tgt Ion:	168	Resp:	51416
Ion Ratio	Lower	Upper	
168	100		
139	31.9	29.3	43.9
169	14.4	10.9	16.3





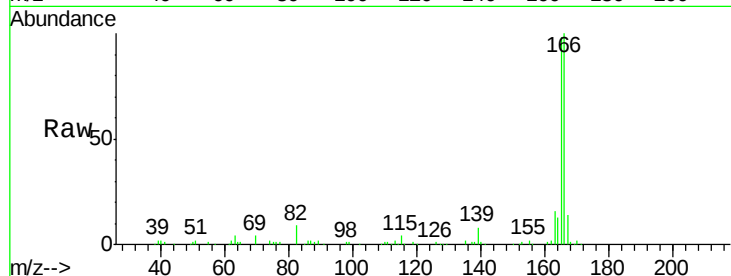
#57
Fluorene
 Concen: 11.32 ng
 RT: 11.63 min Scan# 940
 Delta R.T. -0.00 min
 Lab File: BF077634.D
 Acq: 6 Mar 2015 21:02

Instrument :
 BNA_F
 ClientSampleId :
 SEP-1DL

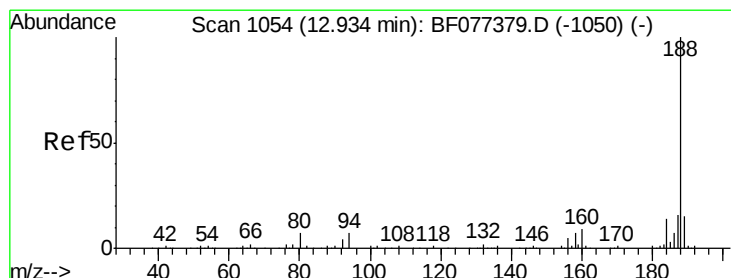
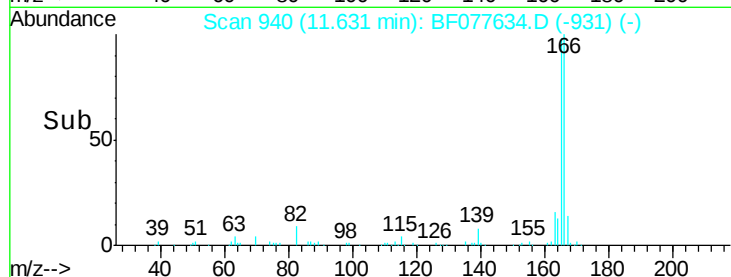
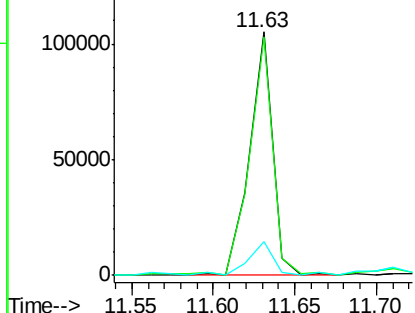
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	102870		
165	98.0	77.6	116.4	
167	13.6	10.6	16.0	

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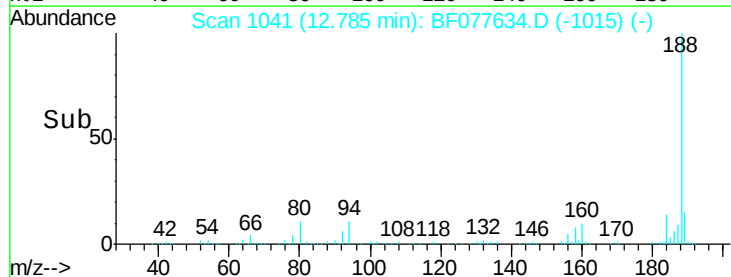
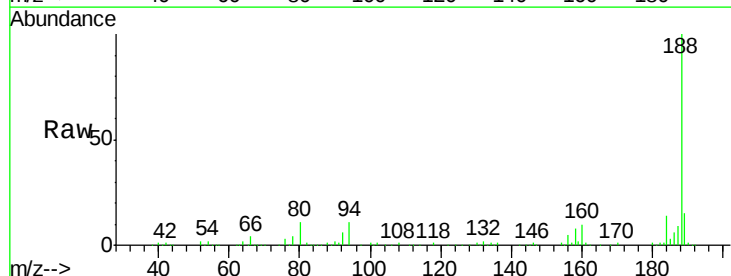
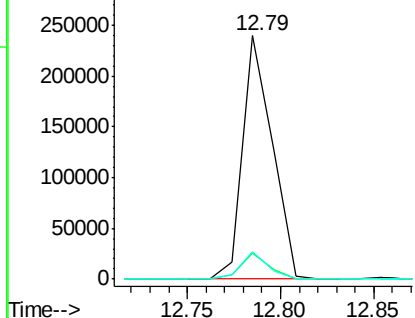
Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

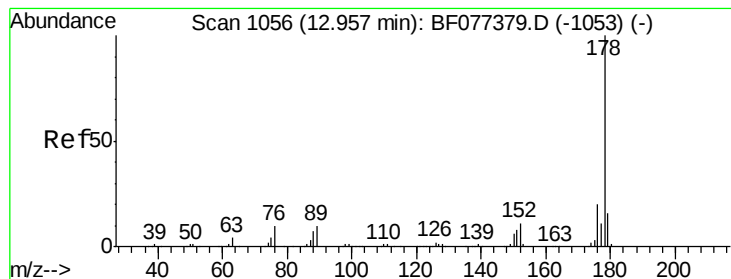


#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.79 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BF077634.D
 Acq: 6 Mar 2015 21:02

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	264297		
94	10.8	7.4	11.2	
80	11.2	8.0	12.0	

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: 58.04 ng

RT: 12.82 min Scan# 1044

Delta R.T. -0.00 min

Lab File: BF077634.D

Acq: 6 Mar 2015 21:02

Instrument :

BNA_F

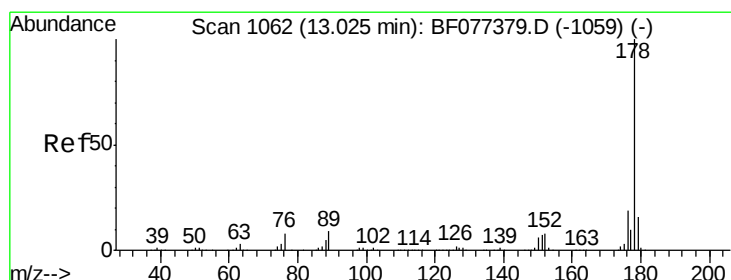
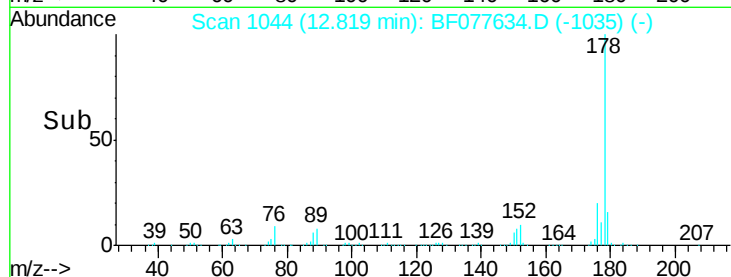
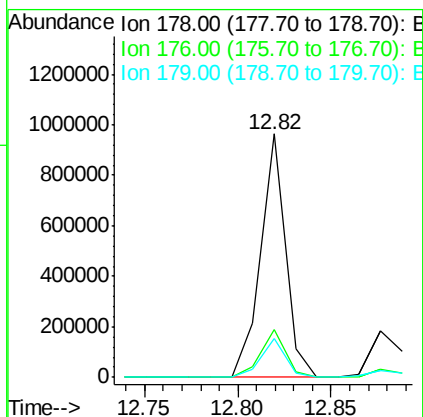
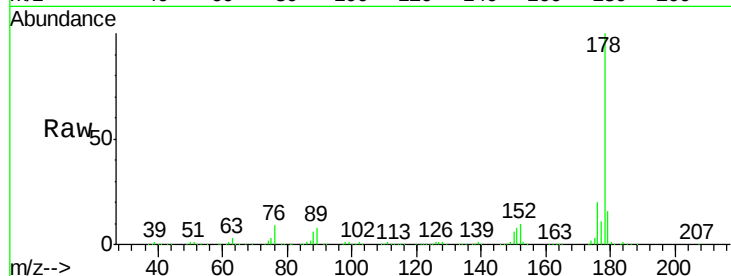
ClientSampleId :

SEP-1DL

Tgt Ion:	178	Resp:	889039
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.5	23.3
179	15.8	12.2	18.2

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#71

Anthracene

Concen: 13.20 ng

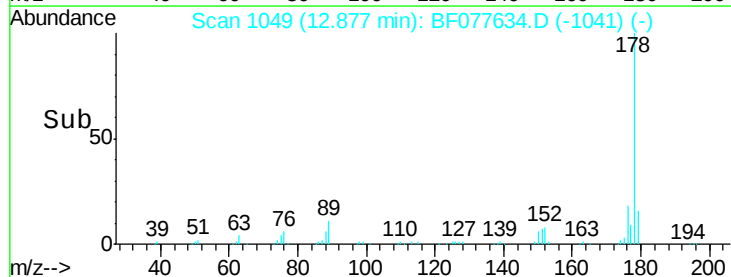
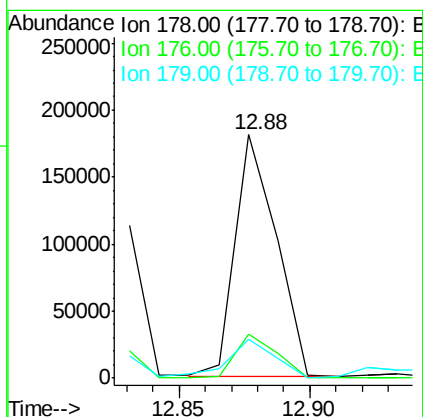
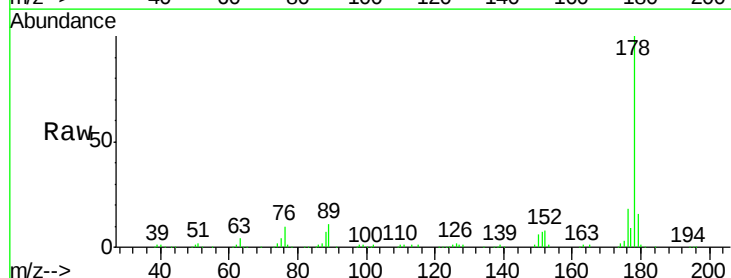
RT: 12.88 min Scan# 1049

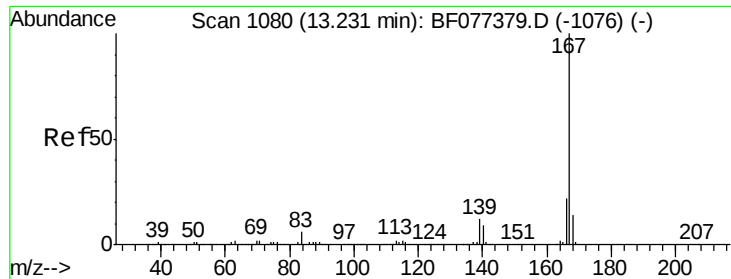
Delta R.T. -0.00 min

Lab File: BF077634.D

Acq: 6 Mar 2015 21:02

Tgt Ion:	178	Resp:	200703
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.4	23.0
179	15.8	12.9	19.3





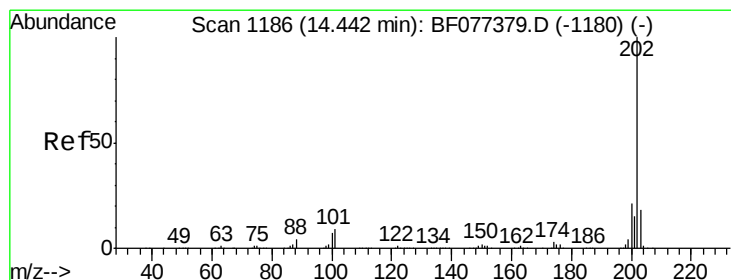
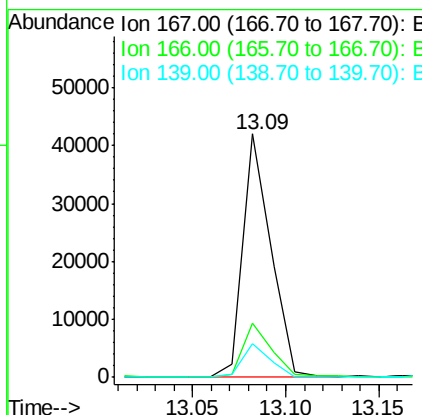
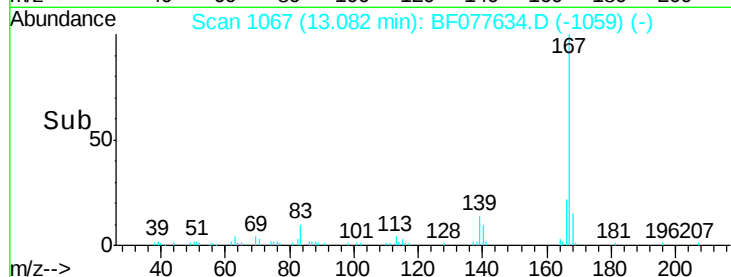
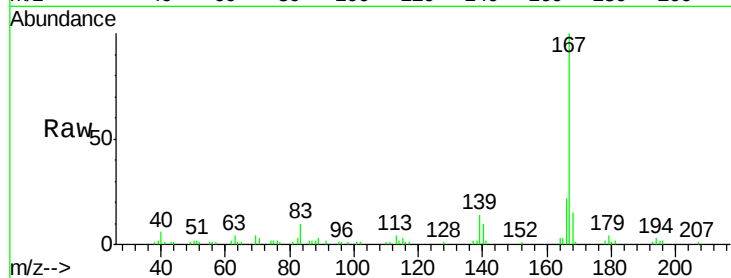
#72
 Carbazole
 Concen: 3.06 ng
 RT: 13.09 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: BF077634.D
 Acq: 6 Mar 2015 21:02

Instrument :
 BNA_F
 ClientSampleId :
 SEP-1DL

Tgt Ion:	167	Resp:	44269
Ion Ratio	Lower	Upper	
167	100		
166	22.2	17.6	26.4
139	13.6	9.9	14.9

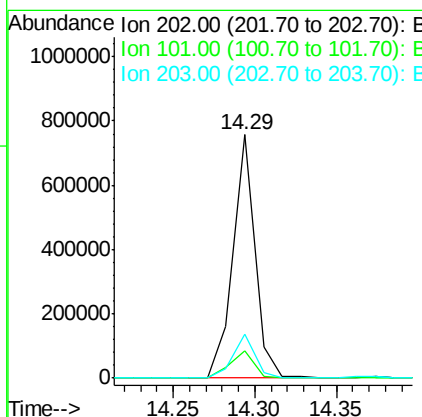
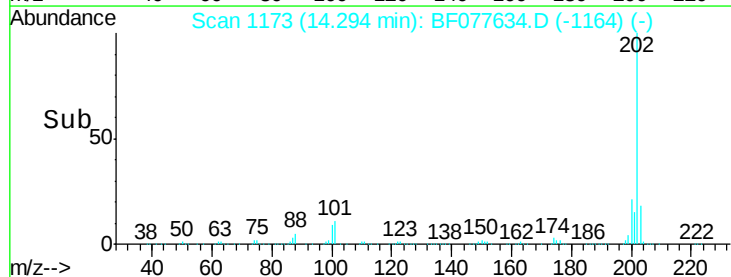
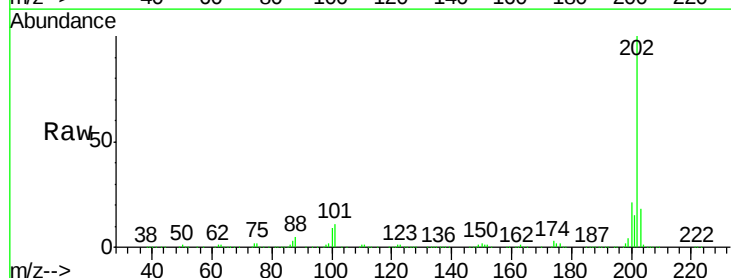
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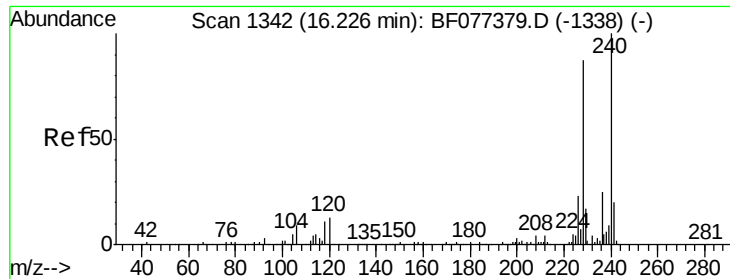
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#74
 Fluoranthene
 Concen: 41.93 ng
 RT: 14.29 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: BF077634.D
 Acq: 6 Mar 2015 21:02

Tgt Ion:	202	Resp:	701573
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	30.8
203	18.0	0.0	37.7





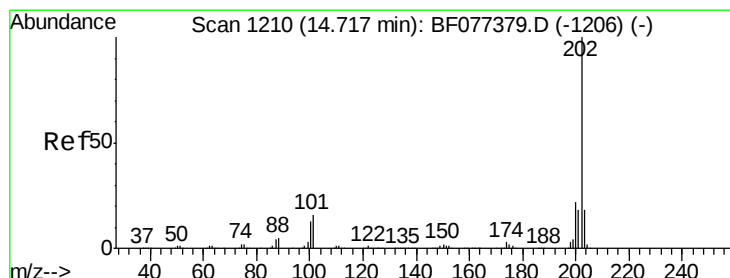
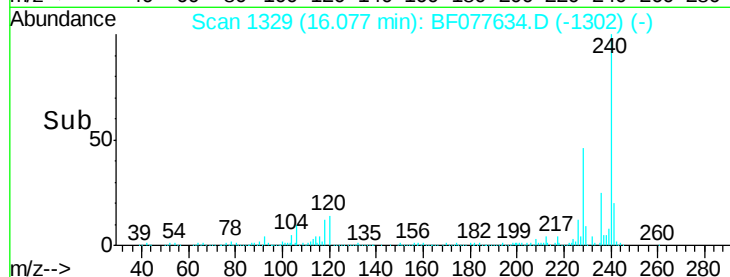
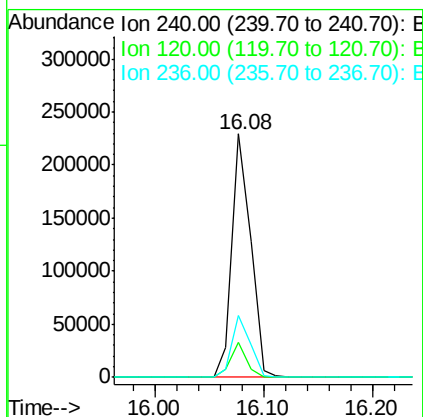
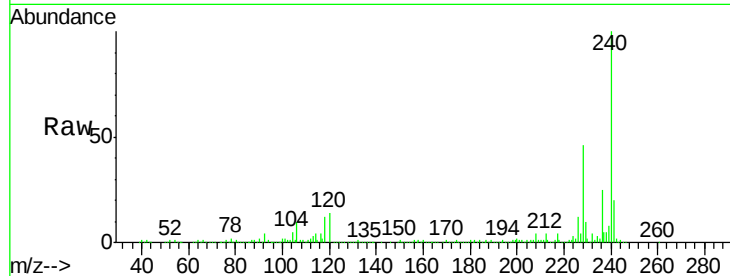
#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.08 min Scan# 1329
Delta R.T. 0.01 min
Lab File: BF077634.D
Acq: 6 Mar 2015 21:02

Instrument :
BNA_F
ClientSampleId :
SEP-1DL

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	271521		
120	14.2	8.8	13.2#	
236	25.5	20.7	31.1	

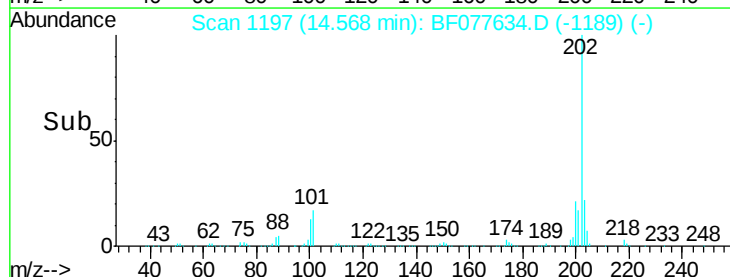
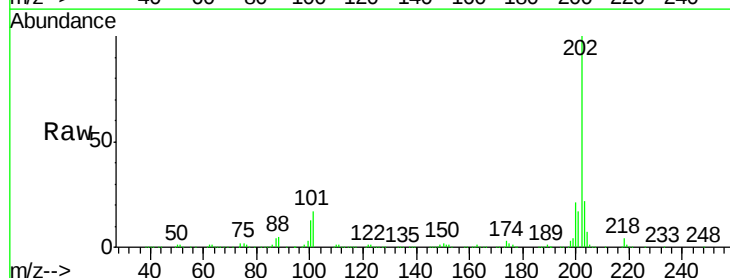
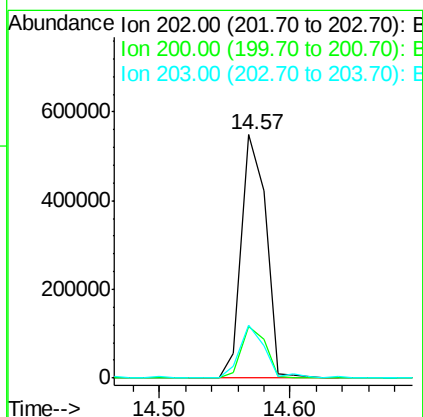
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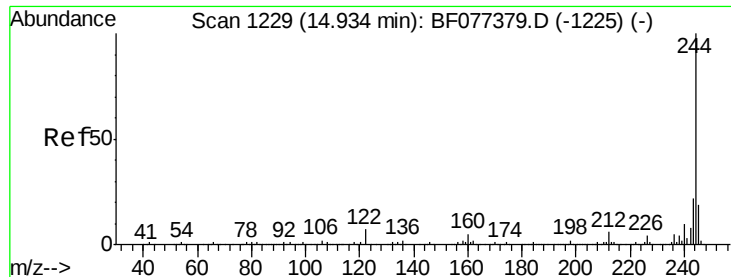
mohammad
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#77
Pyrene
Concen: 43.32 ng
RT: 14.57 min Scan# 1197
Delta R.T. -0.00 min
Lab File: BF077634.D
Acq: 6 Mar 2015 21:02

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	719561		
200	21.1	17.1	25.7	
203	22.0	14.2	21.2#	





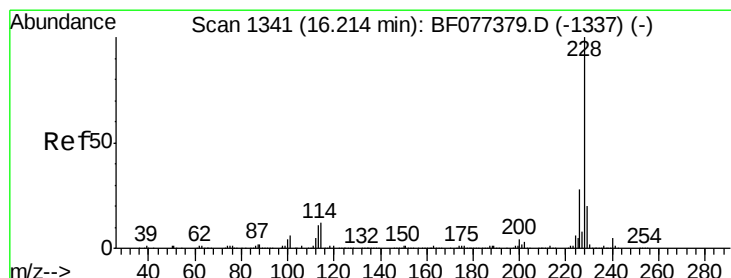
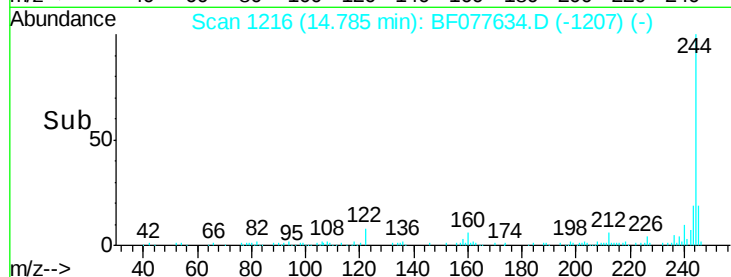
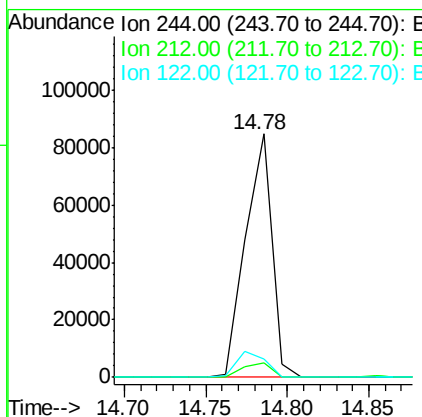
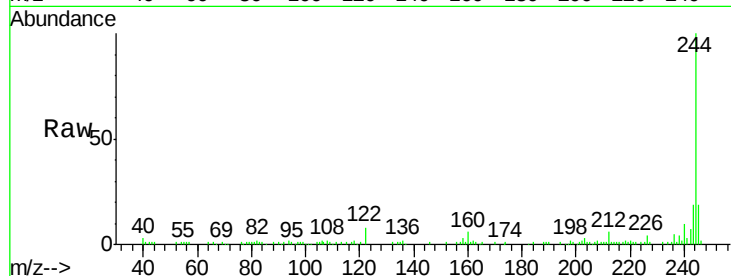
#78
 Terphenyl-d14
 Concen: 8.18 ng
 RT: 14.78 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: BF077634.D
 Acq: 6 Mar 2015 21:02

Instrument :
 BNA_F
 ClientSampleId :
 SEP-1DL

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.0	5.2	7.8
122	7.7	7.8	11.8#

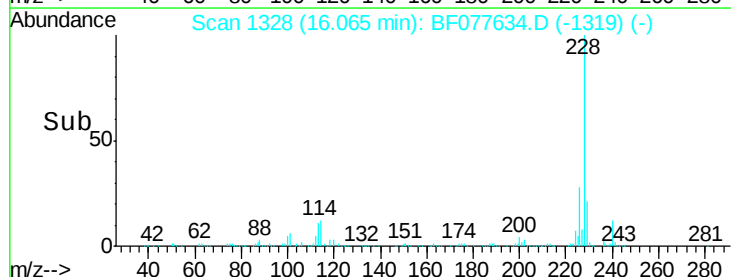
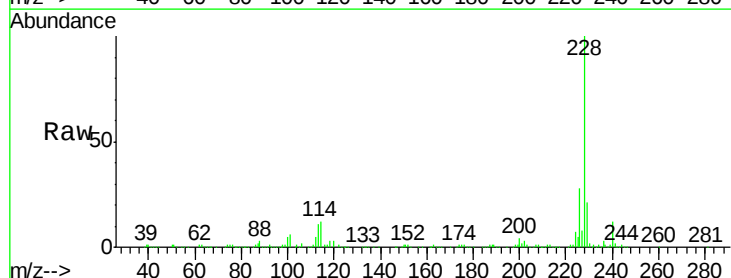
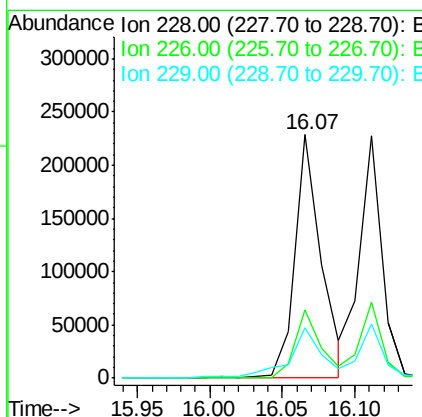
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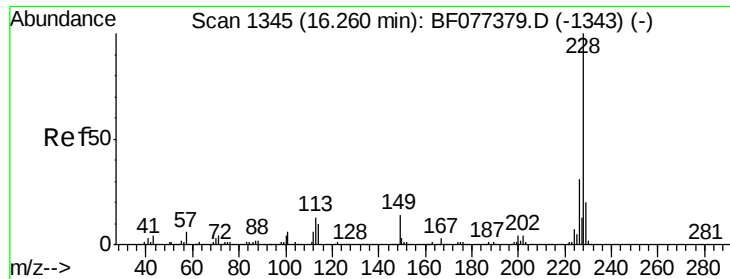
mohammad
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#80
 Benzo(a)anthracene
 Concen: 17.94 ng
 RT: 16.07 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: BF077634.D
 Acq: 6 Mar 2015 21:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.0	33.0
229	20.8	15.8	23.8





#82

Chrysene

Concen: 16.23 ng

RT: 16.11 min Scan# 1332

Delta R.T. 0.01 min

Lab File: BF077634.D

Acq: 6 Mar 2015 21:02

Instrument :

BNA_F

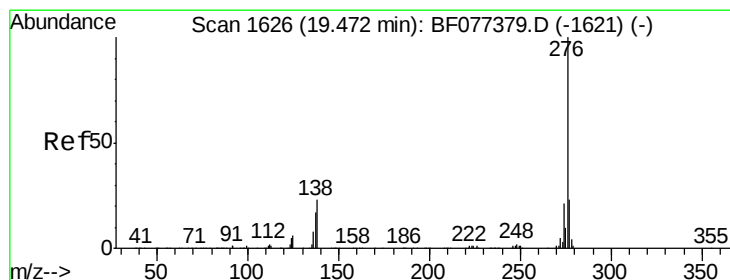
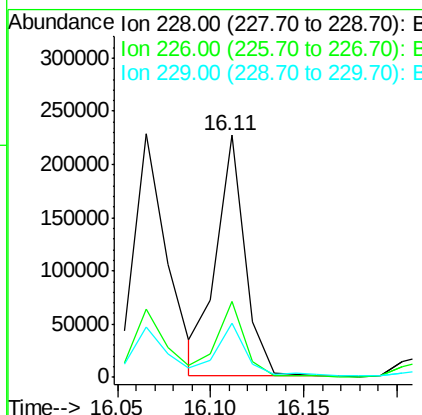
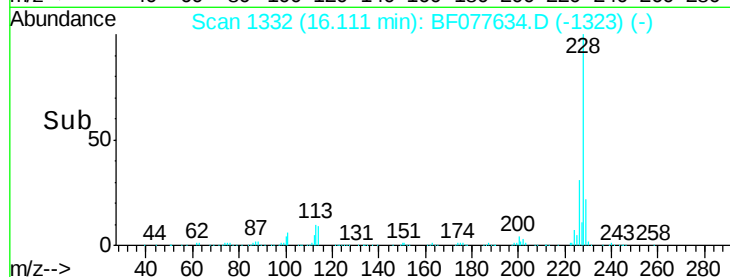
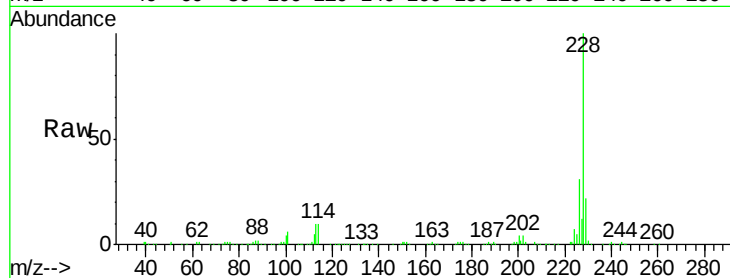
ClientSampleId :

SEP-1DL

Tgt Ion:	228	Resp:	242528
Ion Ratio	Lower	Upper	
228	100		
226	31.1	24.9	37.3
229	22.4	16.4	24.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 6.84 ng

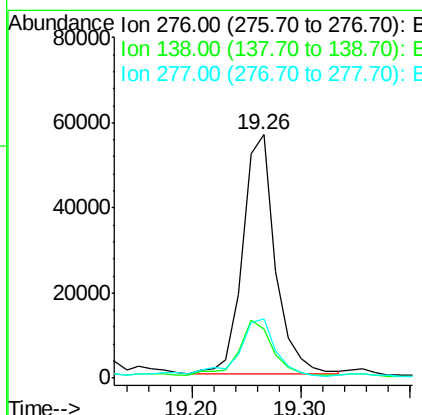
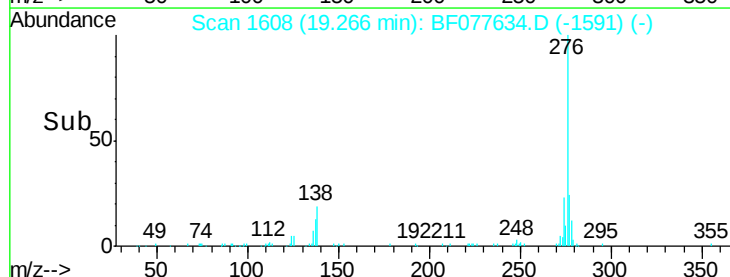
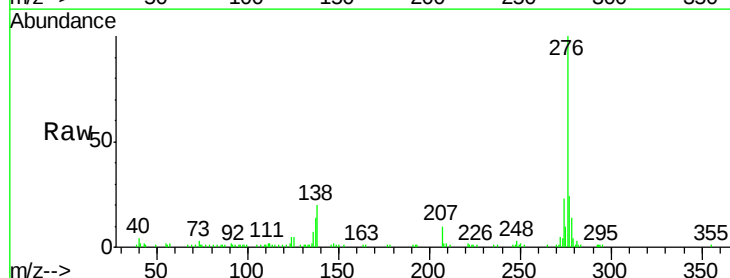
RT: 19.26 min Scan# 1608

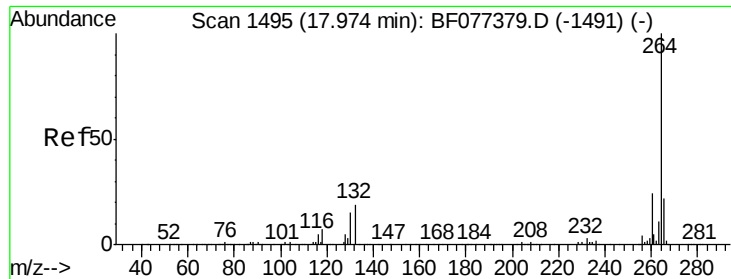
Delta R.T. 0.09 min

Lab File: BF077634.D

Acq: 6 Mar 2015 21:02

Tgt Ion:	276	Resp:	116561
Ion Ratio	Lower	Upper	
276	100		
138	24.1	21.2	31.8
277	27.9	20.0	30.0





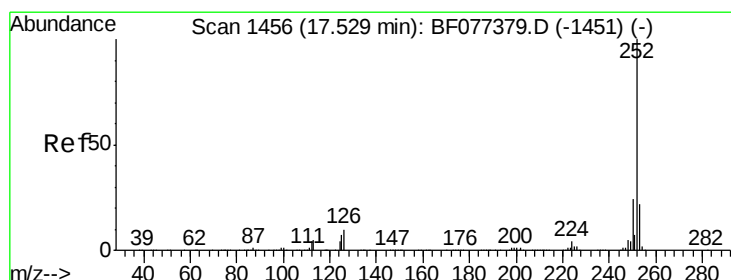
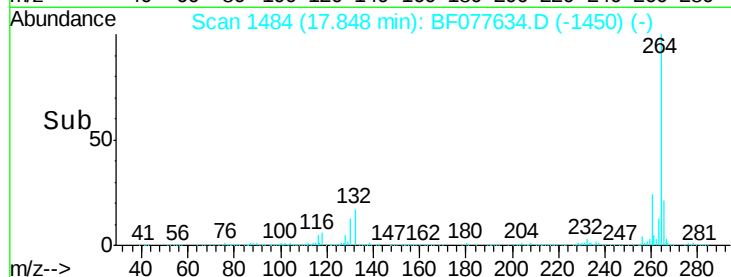
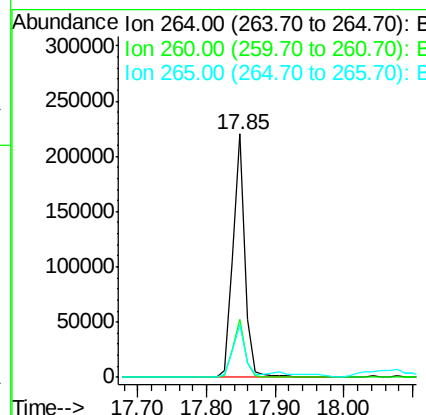
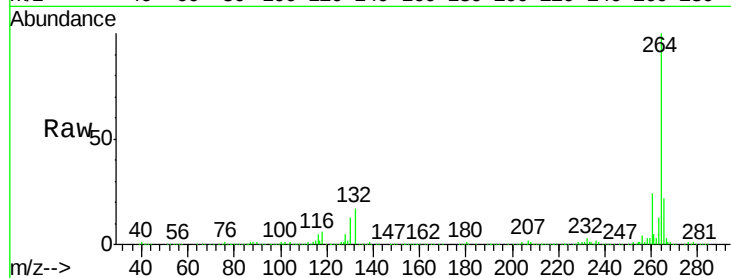
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.85 min Scan# 1484
Delta R.T. 0.09 min
Lab File: BF077634.D
Acq: 6 Mar 2015 21:02

Instrument :
BNA_F
ClientSampleId :
SEP-1DL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.3	28.9
265	21.6	16.8	25.2

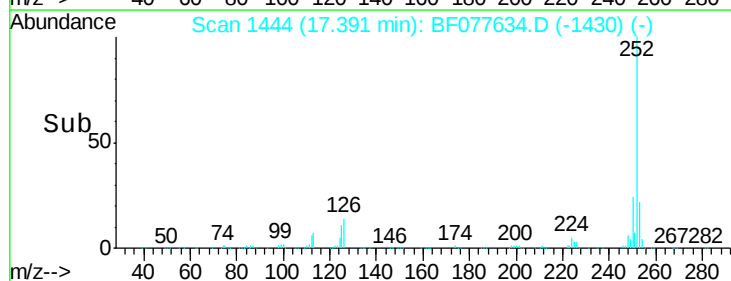
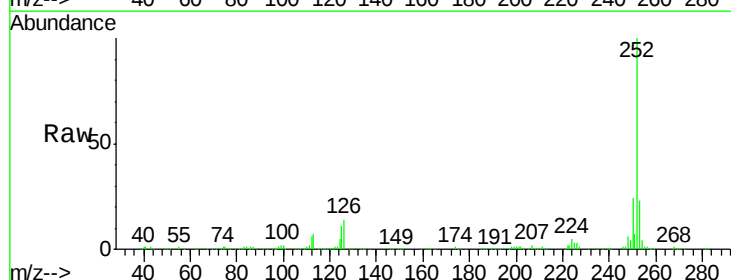
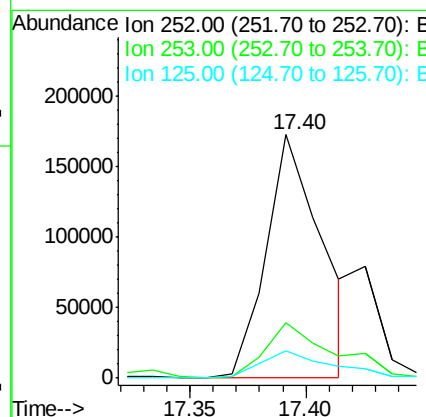
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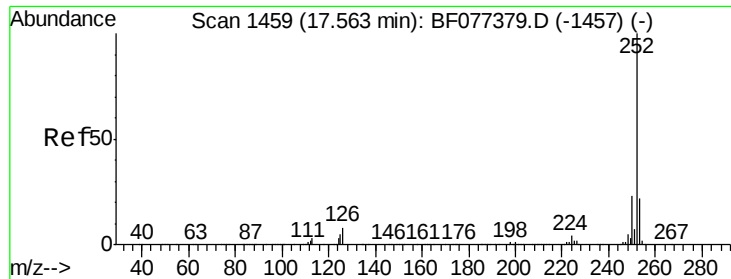
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#87
Benzo(b)fluoranthene
Concen: 17.99 ng m
RT: 17.39 min Scan# 1444
Delta R.T. 0.06 min
Lab File: BF077634.D
Acq: 6 Mar 2015 21:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	11.4	5.4	8.2#





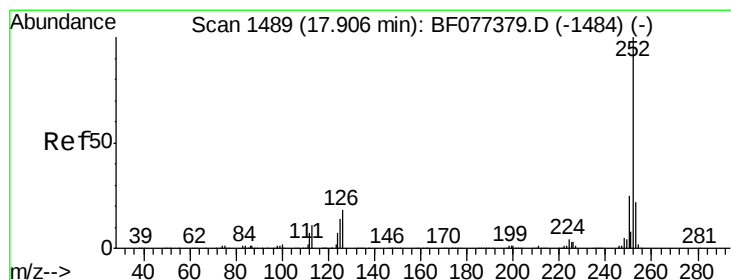
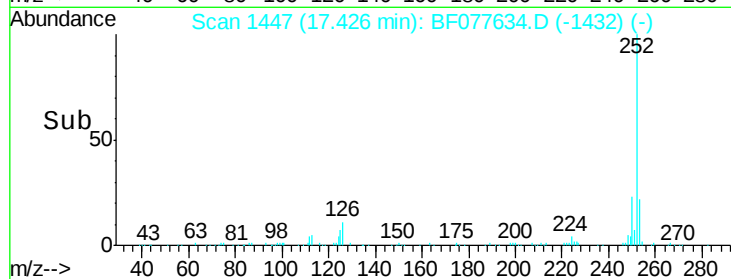
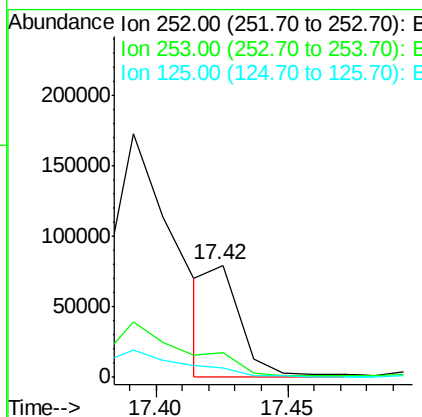
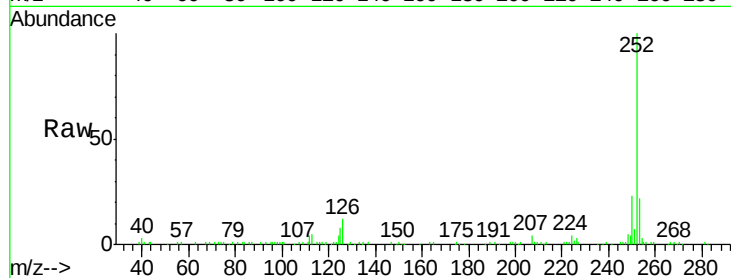
#88
Benzo(k)fluoranthene
Concen: 4.33 ng m
RT: 17.43 min Scan# 1447
Delta R.T. 0.07 min
Lab File: BF077634.D
Acq: 6 Mar 2015 21:02

Instrument :
BNA_F
ClientSampleId :
SEP-1DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	7.8	10.1	15.1

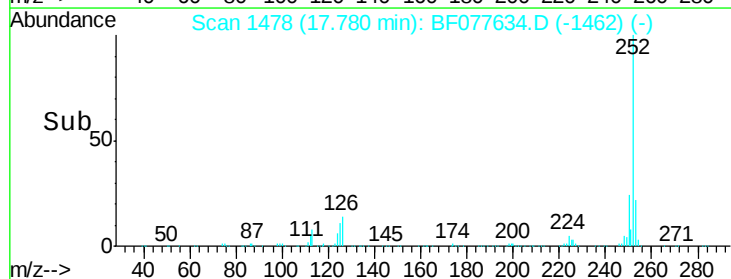
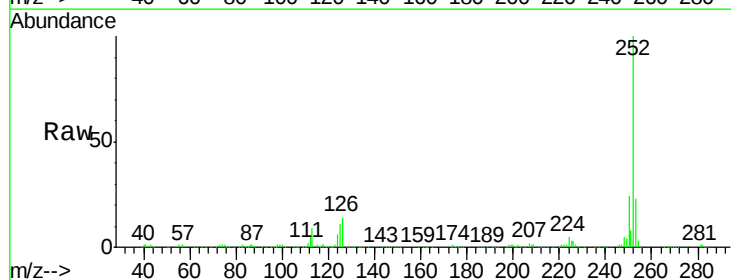
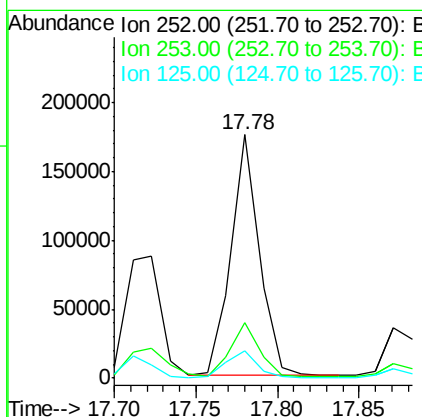
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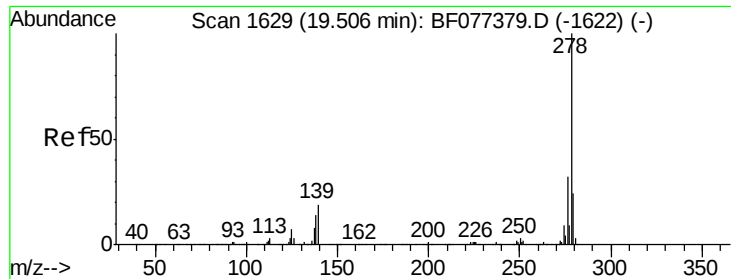
mohammad
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#89
Benzo(a)pyrene
Concen: 13.61 ng
RT: 17.78 min Scan# 1478
Delta R.T. 0.09 min
Lab File: BF077634.D
Acq: 6 Mar 2015 21:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	11.2	8.3	12.5





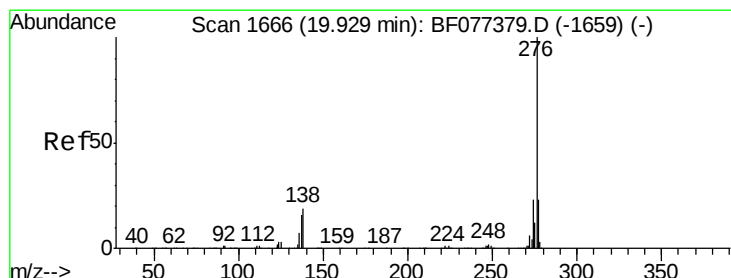
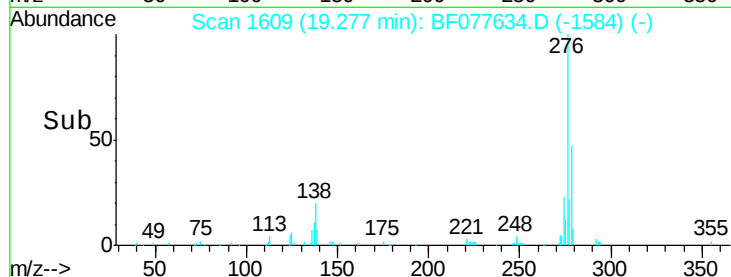
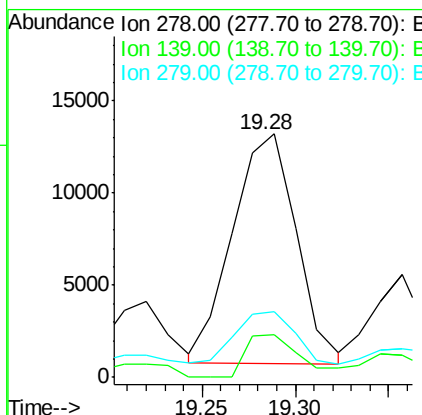
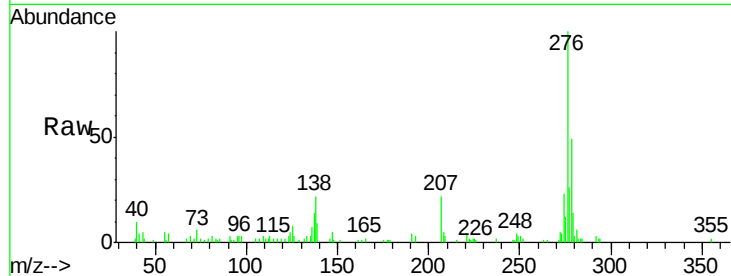
#90
Dibenzo(a,h)anthracene
Concen: 2.04 ng
RT: 19.28 min Scan# 1609
Delta R.T. 0.09 min
Lab File: BF077634.D
Acq: 6 Mar 2015 21:02

Instrument :
BNA_F
ClientSampleId :
SEP-1DL

Tgt Ion:	278	Resp:	29675
Ion Ratio	Lower	Upper	
278	100		
139	18.6	14.3	21.5
279	28.0	19.0	28.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 8.35 ng
RT: 19.68 min Scan# 1644
Delta R.T. 0.09 min
Lab File: BF077634.D
Acq: 6 Mar 2015 21:02

Tgt Ion:	276	Resp:	122689
Ion Ratio	Lower	Upper	
276	100		
277	22.8	18.9	28.3
138	24.2	20.5	30.7

