

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
 Data File : BF077500.D
 Acq On : 27 Feb 2015 9:45
 Operator : TP/IZ
 Sample : G1385-07DL 10X
 Misc : S
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-9-D4DL

Manual Integrations
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Quant Time: Feb 27 12:06:41 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	74636	20.00	ng	0.00
21) Naphthalene-d8	8.84	136	283967	20.00	ng	0.00
38) Acenaphthene-d10	11.02	164	142622	20.00	ng	0.00
63) Phenanthrene-d10	12.87	188	296487	20.00	ng	0.00
75) Chrysene-d12	16.16	240	316113	20.00	ng	0.01
86) Perylene-d12	17.92	264	293605	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	26362	5.90	ng	0.00
7) Phenol-d6	6.82	99	35307	6.14	ng	0.00
23) Nitrobenzene-d5	7.96	82	22442	4.91	ng	0.00
41) 2,4,6-Tribromophenol	12.00	330	8701	6.34	ng	0.00
44) 2-Fluorobiphenyl	10.19	172	54151	5.92	ng	0.00
78) Terphenyl-d14	14.86	244	64030	4.74	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.87	128	70108	4.94	ng	98
51) Acenaphthene	11.06	154	52643	6.58	ng	100
54) Dibenzofuran	11.28	168	51973	4.20	ng	97
57) Fluorene	11.70	166	57096	5.78	ng	95
70) Phenanthrene	12.90	178	716601	41.70	ng	99
71) Anthracene	12.96	178	180238	10.57	ng	99
72) Carbazole	13.16	167	92681	5.72	ng	99
74) Fluoranthene	14.37	202	818231	43.59	ng	98
77) Pyrene	14.65	202	683967	35.37	ng	100
80) Benzo(a)anthracene	16.15	228	376833	20.34	ng	100
82) Chrysene	16.19	228	294143	16.91	ng	97
85) Indeno(1,2,3-cd)pyrene	19.37	276	148928	7.51	ng	96
87) Benzo(b)fluoranthene	17.47	252	403816m	23.65	ng	
88) Benzo(k)fluoranthene	17.49	252	109963m	6.57	ng	
89) Benzo(a)pyrene	17.85	252	252962	15.56	ng	99
90) Dibenzo(a,h)anthracene	19.39	278	34802	2.24	ng	# 92
91) Benzo(g,h,i)perylene	19.81	276	140658	8.99	ng	94

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

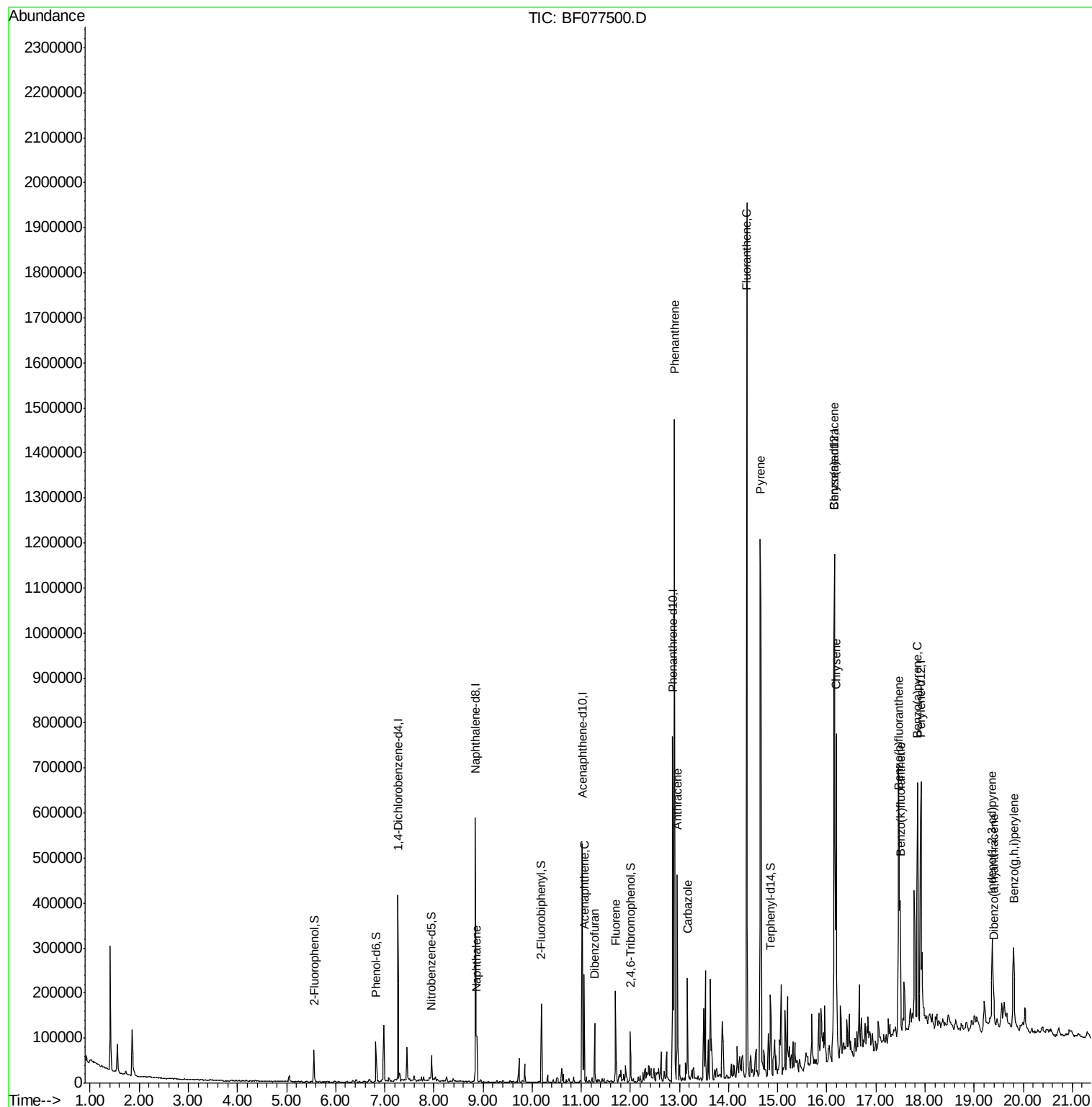
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
Data File : BF077500.D
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Sample : G1385-07DL 10X
Misc : S
ALS Vial : 38 Sample Multiplier: 1

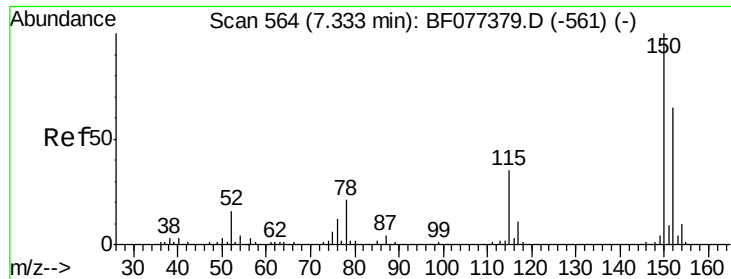
Instrument :
BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
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#1

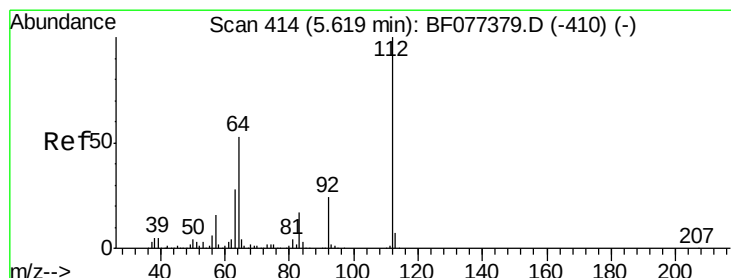
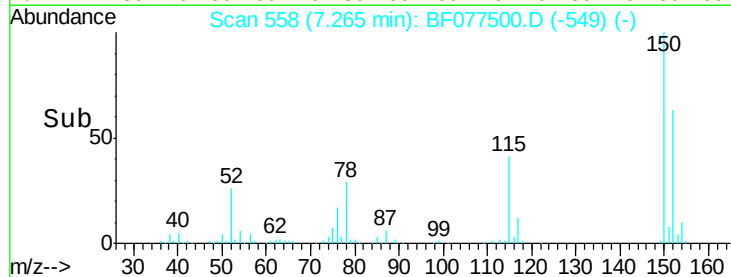
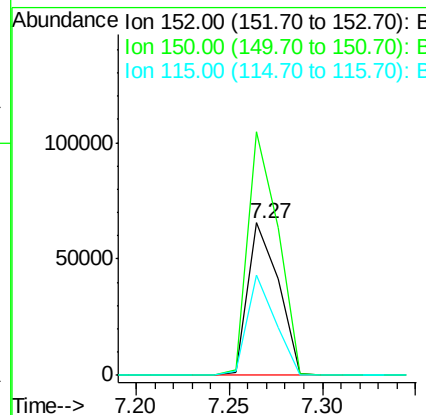
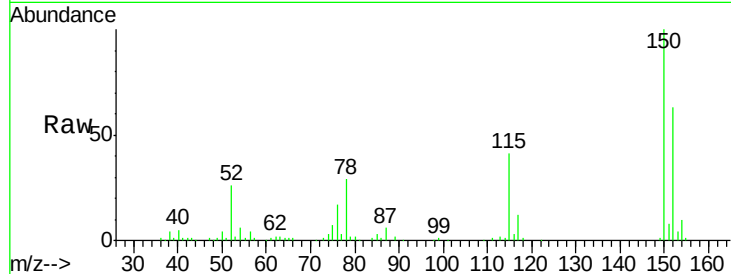
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.27 min Scan# 558
Delta R.T. 0.00 min
Lab File: BF077500.D
Acq: 27 Feb 2015 9:45

Instrument :
BNA_F
ClientSampleId :
B-9-D4DL

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	74636		
150	159.9	124.0	186.0	
115	65.8	49.4	74.2	

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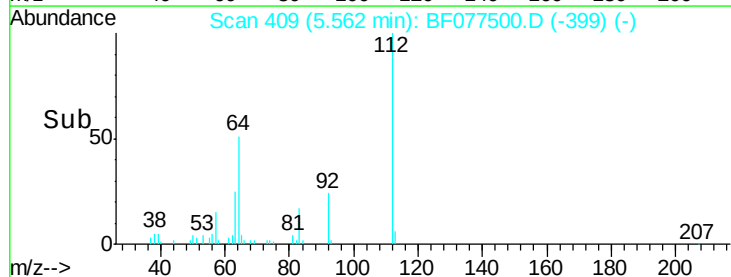
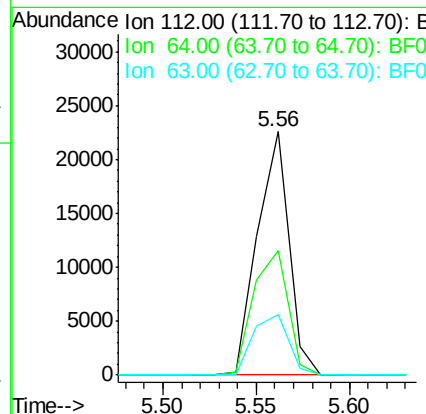
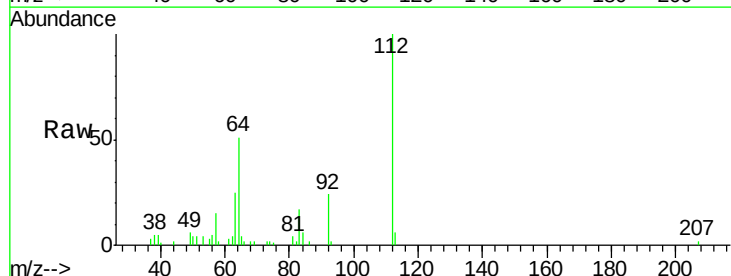
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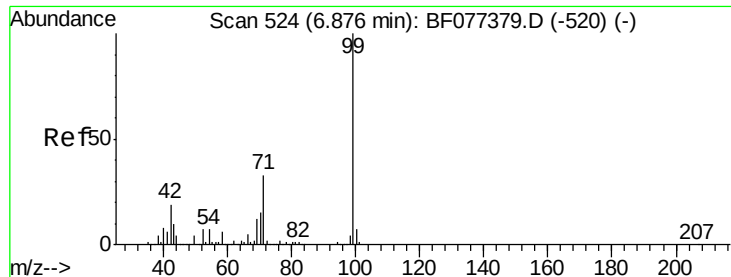


#5

2-Fluorophenol
Concen: 5.90 ng
RT: 5.56 min Scan# 409
Delta R.T. 0.01 min
Lab File: BF077500.D
Acq: 27 Feb 2015 9:45

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	26362		
64	51.2	48.5	72.7	
63	25.1	25.0	37.4	





#7

Phenol-d6

Concen: 6.14 ng

RT: 6.82 min Scan# 519

Delta R.T. 0.00 min

Lab File: BF077500.D

Acq: 27 Feb 2015 9:45

Instrument :

BNA_F

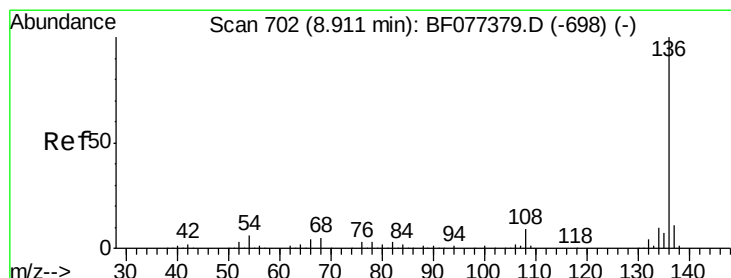
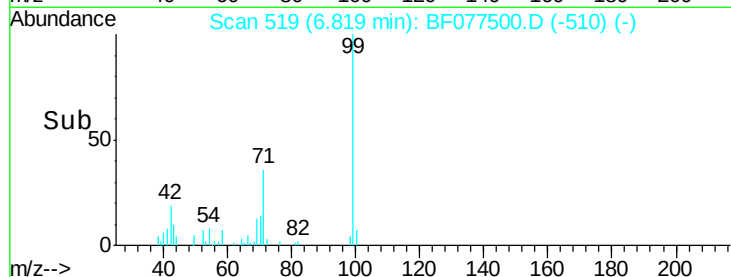
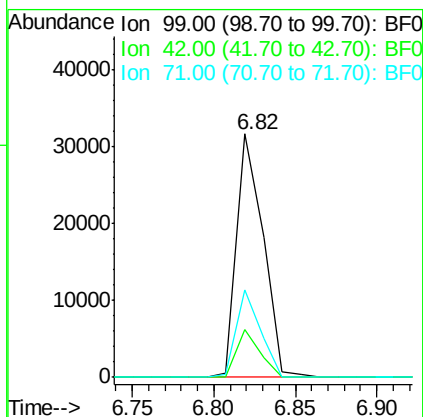
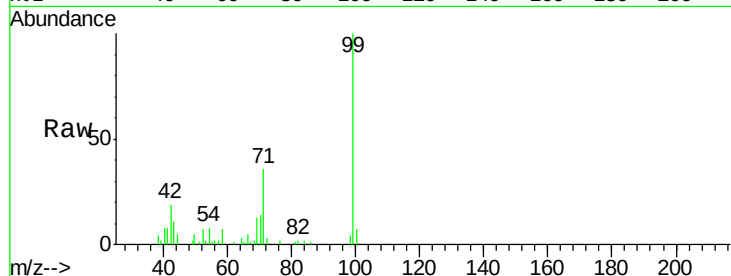
ClientSampleId :

B-9-D4DL

Tgt Ion:	99	Resp:	35307
Ion Ratio	Lower	Upper	
99	100		
42	19.4	16.2	24.4
71	35.8	26.7	40.1

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#21

Naphthalene-d8

Concen: 20.00 ng

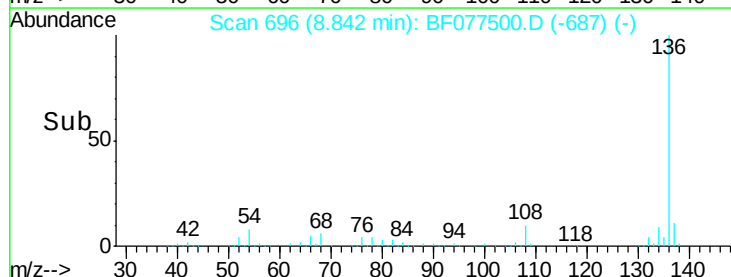
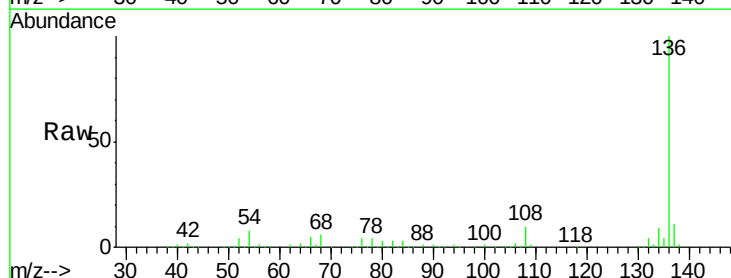
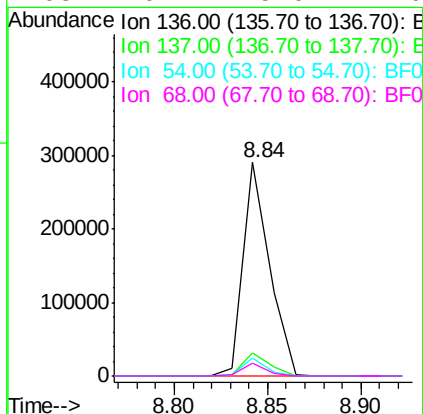
RT: 8.84 min Scan# 696

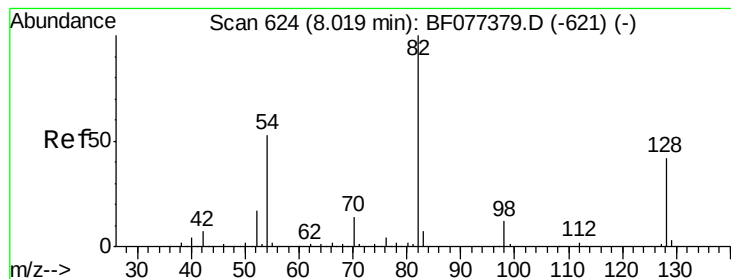
Delta R.T. 0.00 min

Lab File: BF077500.D

Acq: 27 Feb 2015 9:45

Tgt Ion:	136	Resp:	283967
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	13.0
54	8.3	6.2	9.4
68	6.1	5.0	7.6





#23

Nitrobenzene-d5

Concen: 4.91 ng

RT: 7.96 min Scan# 618

Delta R.T. -0.01 min

Lab File: BF077500.D

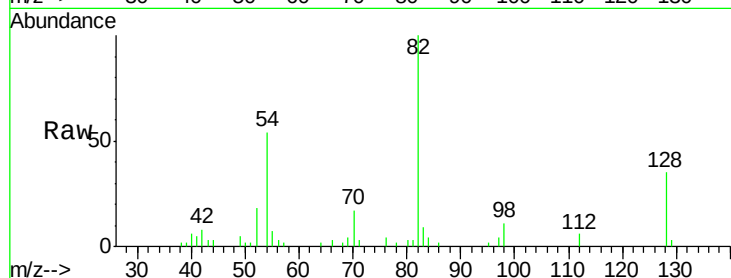
Acq: 27 Feb 2015 9:45

Instrument :

BNA_F

ClientSampleId :

B-9-D4DL



Tgt Ion: 82 Resp: 22442

Ion Ratio Lower Upper

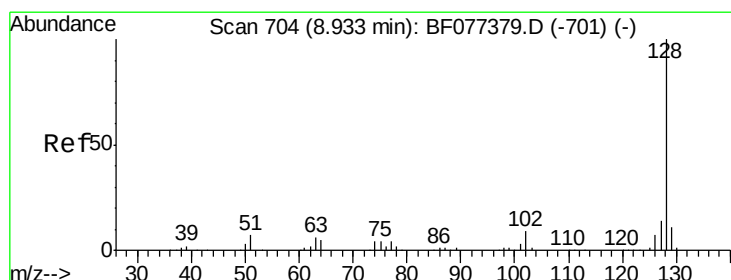
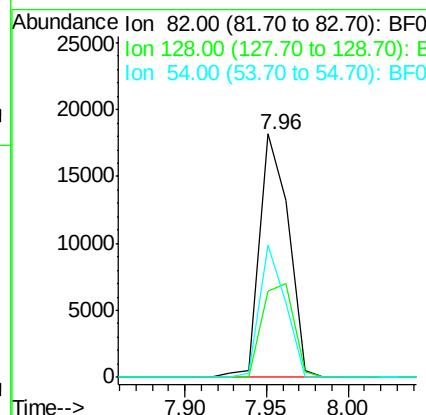
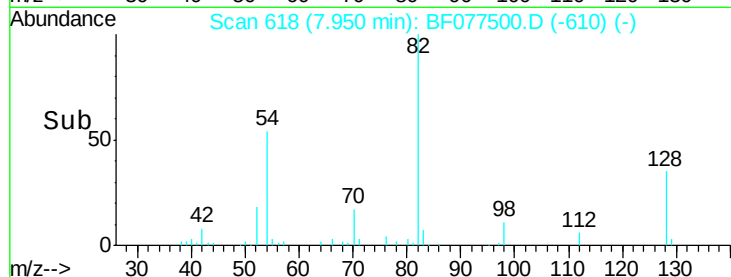
82 100

128 35.2 43.8 65.8#

54 54.4 36.7 55.1

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#31

Naphthalene

Concen: 4.94 ng

RT: 8.87 min Scan# 699

Delta R.T. 0.01 min

Lab File: BF077500.D

Acq: 27 Feb 2015 9:45

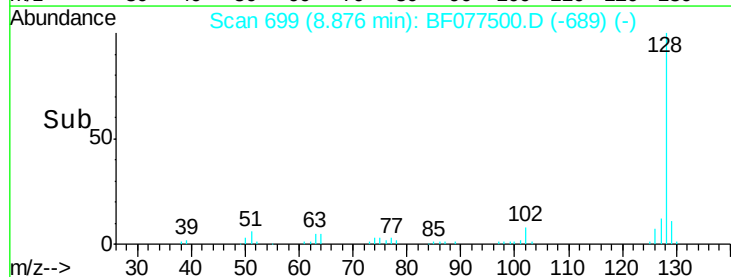
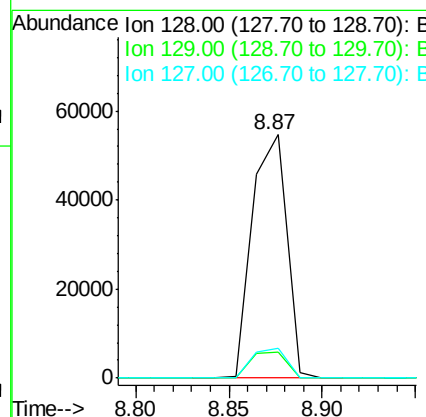
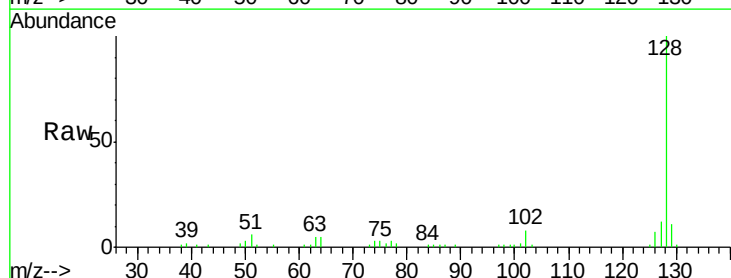
Tgt Ion: 128 Resp: 70108

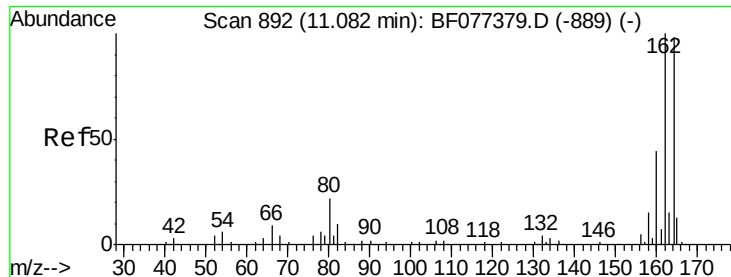
Ion Ratio Lower Upper

128 100

129 10.8 9.4 14.0

127 12.3 10.6 15.8





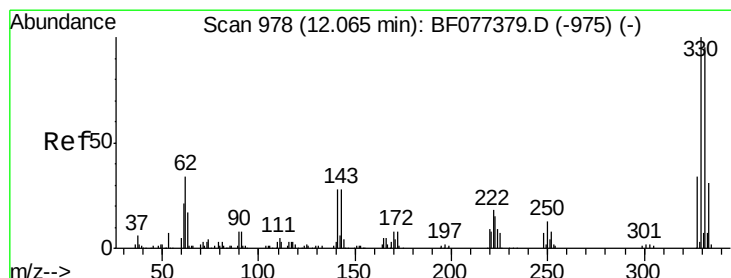
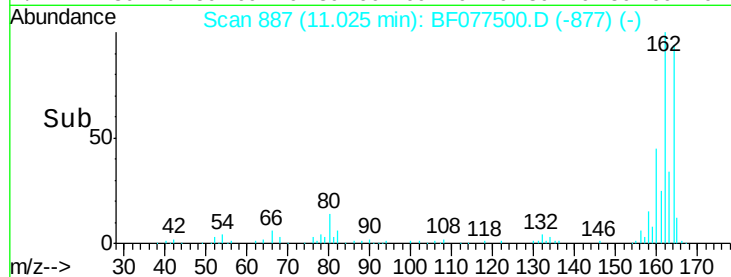
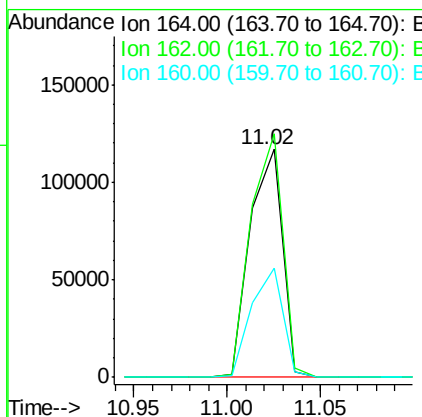
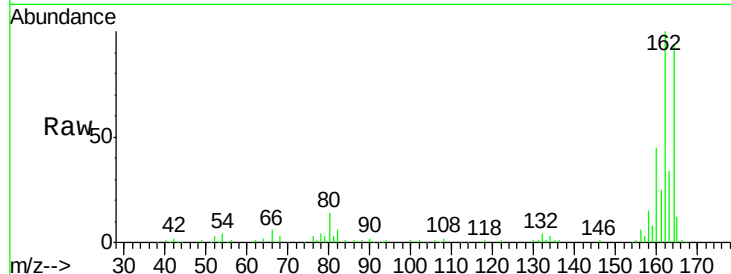
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.02 min Scan# 887
Delta R.T. 0.01 min
Lab File: BF077500.D
Acq: 27 Feb 2015 9:45

Instrument :
BNA_F
ClientSampleId :
B-9-D4DL

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	142622		
162	106.9	83.2	124.8	
160	48.1	34.6	52.0	

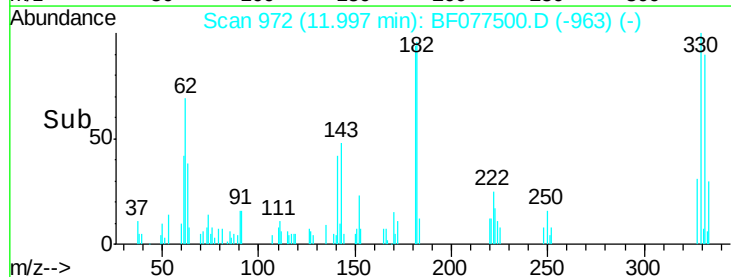
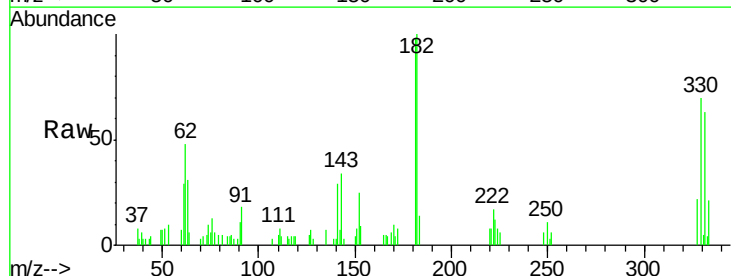
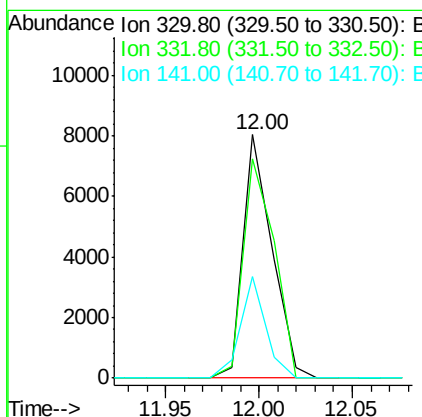
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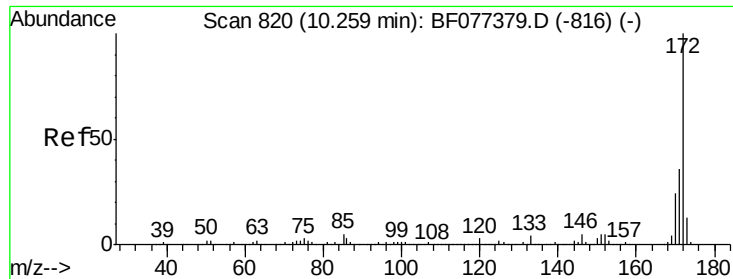
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#41
2,4,6-Tribromophenol
Concen: 6.34 ng
RT: 12.00 min Scan# 972
Delta R.T. 0.00 min
Lab File: BF077500.D
Acq: 27 Feb 2015 9:45

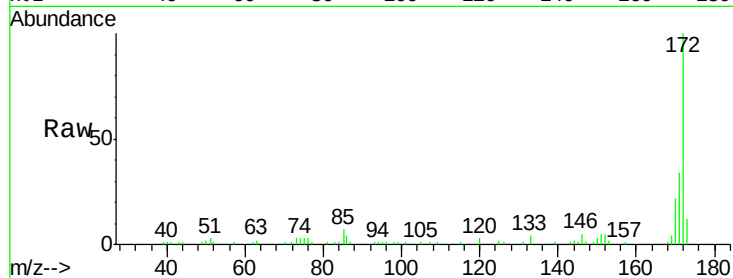
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	8701		
332	95.9	77.4	116.2	
141	36.8	28.8	43.2	





#44
2-Fluorobiphenyl
Concen: 5.92 ng
RT: 10.19 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF077500.D
Acq: 27 Feb 2015 9:45

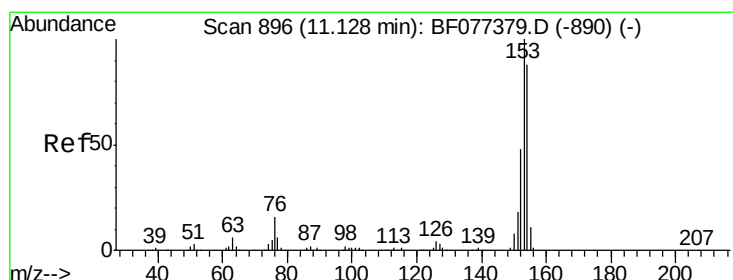
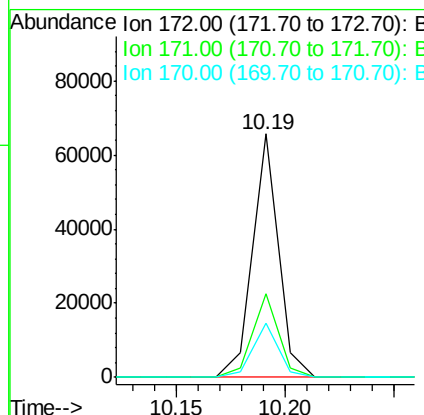
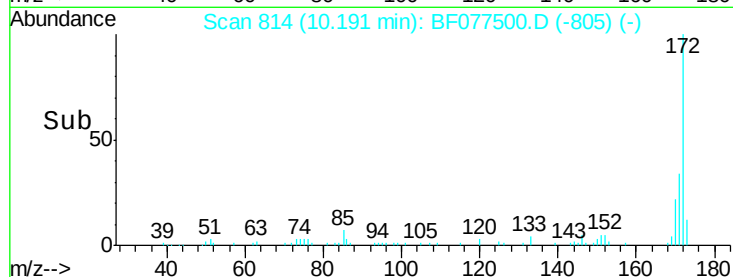
Instrument :
BNA_F
ClientSampleId :
B-9-D4DL



Tgt Ion	Ratio	Resp	Lower	Upper
172	100	54151		
171	34.4	28.9	43.3	
170	22.0	19.4	29.2	

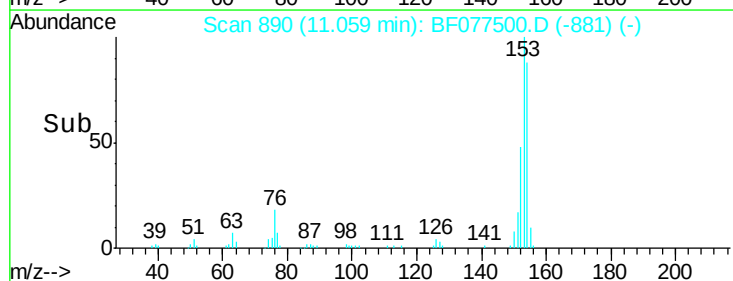
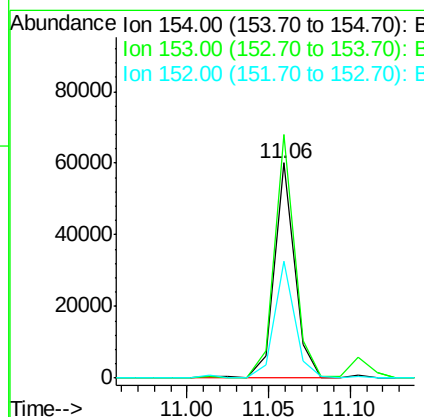
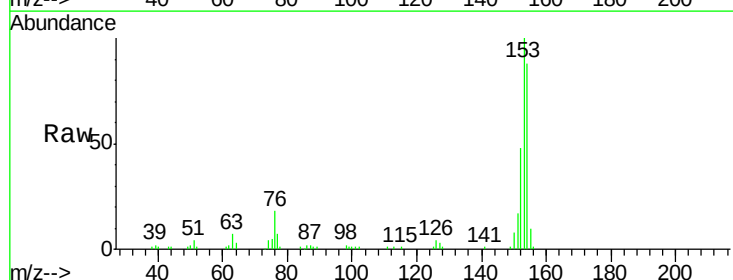
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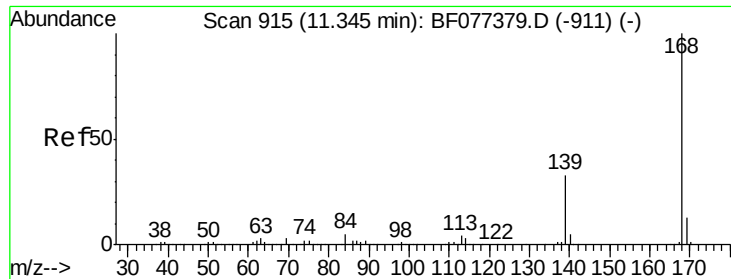
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#51
Acenaphthene
Concen: 6.58 ng
RT: 11.06 min Scan# 890
Delta R.T. 0.00 min
Lab File: BF077500.D
Acq: 27 Feb 2015 9:45

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	52643		
153	113.0	90.5	135.7	
152	54.3	43.5	65.3	





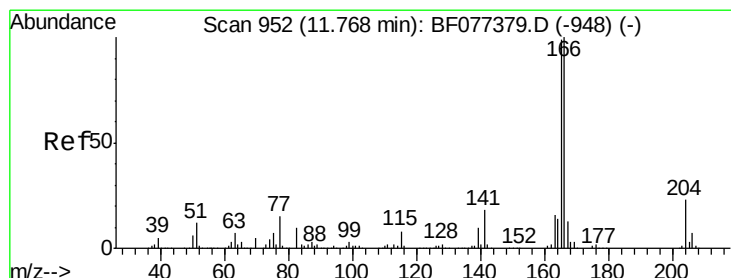
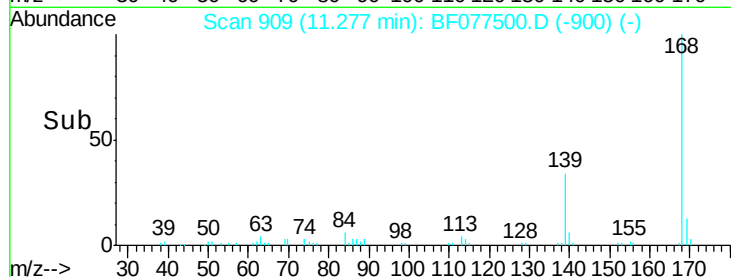
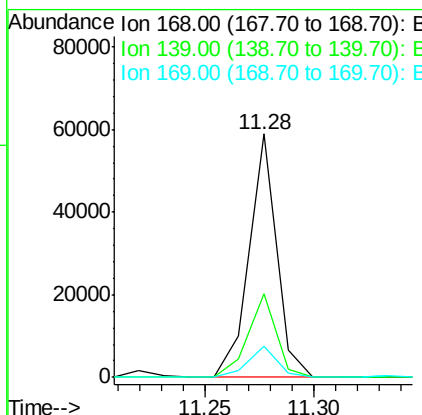
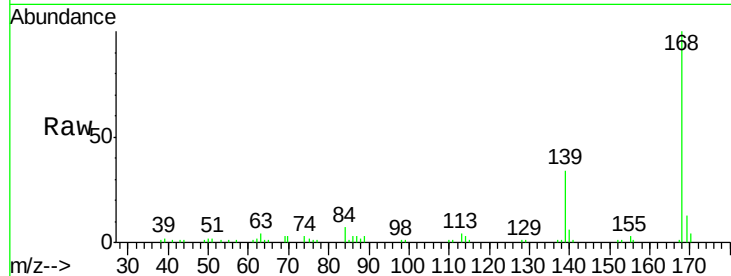
#54
Dibenzenofuran
Concen: 4.20 ng
RT: 11.28 min Scan# 909
Delta R.T. -0.00 min
Lab File: BF077500.D
Acq: 27 Feb 2015 9:45

Instrument :
BNA_F
ClientSampleId :
B-9-D4DL

Tgt Ion	Ratio	Lower	Upper
168	100		
139	34.2	29.3	43.9
169	12.9	10.9	16.3

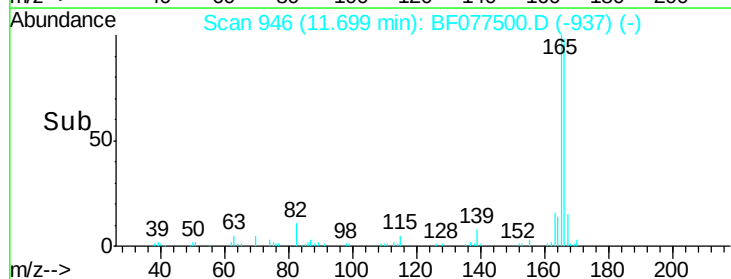
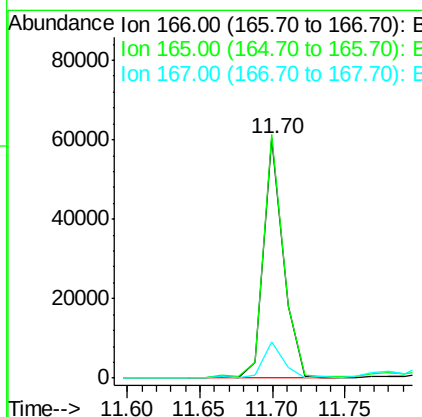
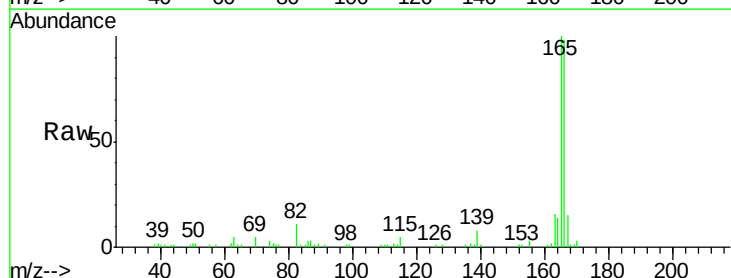
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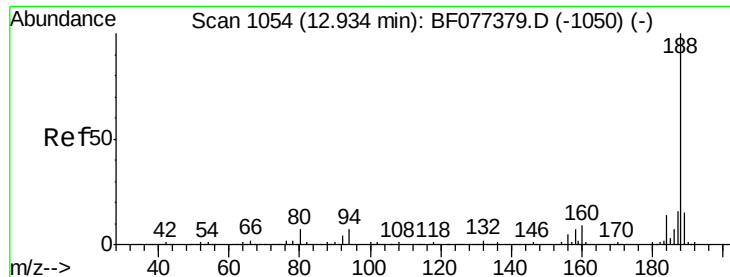
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#57
Fluorene
Concen: 5.78 ng
RT: 11.70 min Scan# 946
Delta R.T. 0.00 min
Lab File: BF077500.D
Acq: 27 Feb 2015 9:45

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.6	77.6	116.4
167	15.3	10.6	16.0





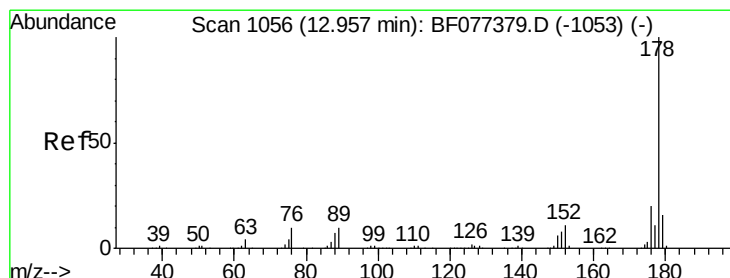
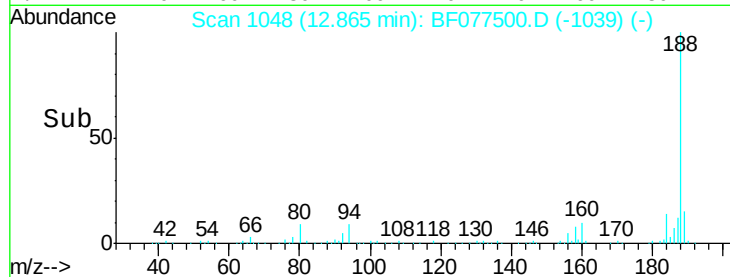
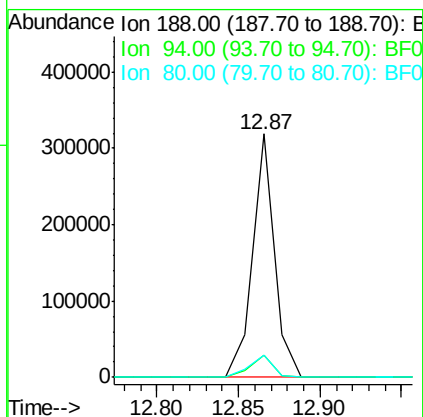
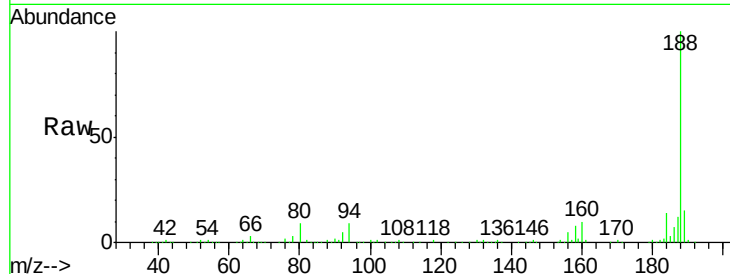
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.87 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BF077500.D
Acq: 27 Feb 2015 9:45

Instrument :
BNA_F
ClientSampleId :
B-9-D4DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.9	7.4	11.2
80	9.4	8.0	12.0

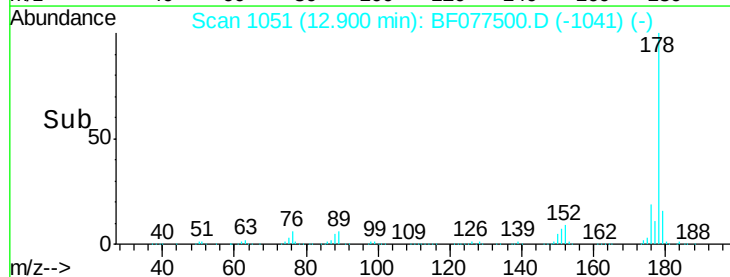
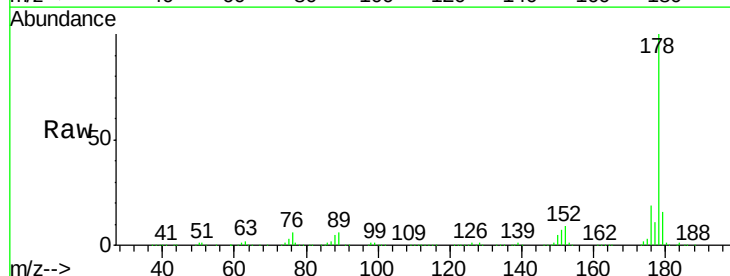
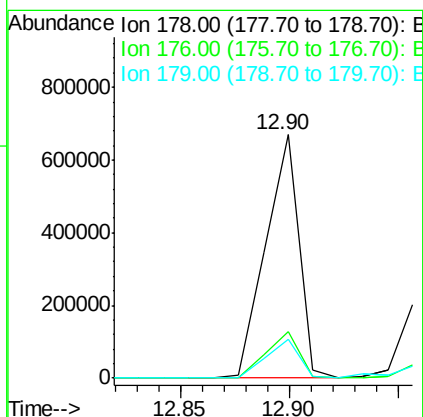
Manual Integrations
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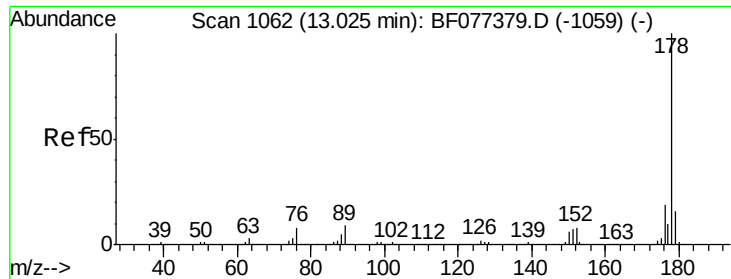
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#70
Phenanthrene
Concen: 41.70 ng
RT: 12.90 min Scan# 1051
Delta R.T. 0.01 min
Lab File: BF077500.D
Acq: 27 Feb 2015 9:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.1	15.5	23.3
179	15.8	12.2	18.2





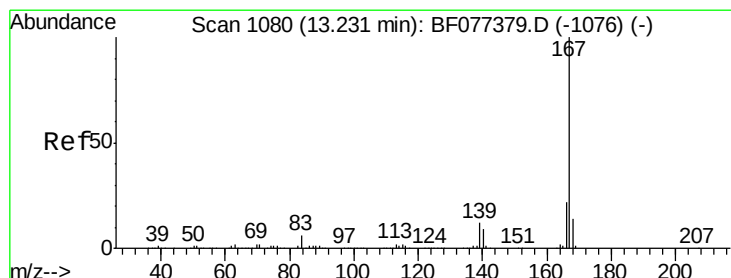
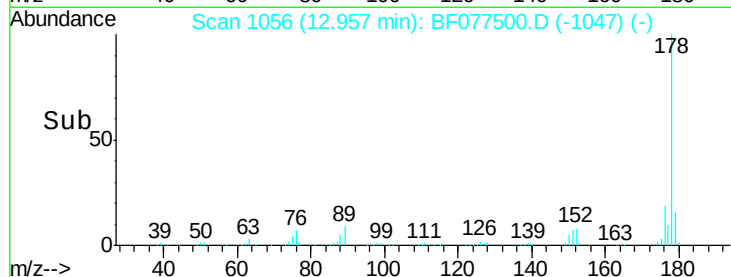
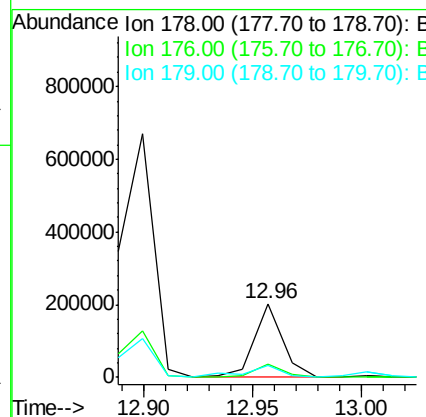
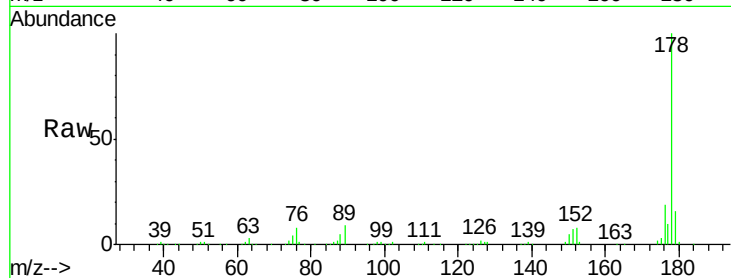
#71
 Anthracene
 Concen: 10.57 ng
 RT: 12.96 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: BF077500.D
 Acq: 27 Feb 2015 9:45

Instrument :
 BNA_F
 ClientSampleId :
 B-9-D4DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.0
179	15.8	12.9	19.3

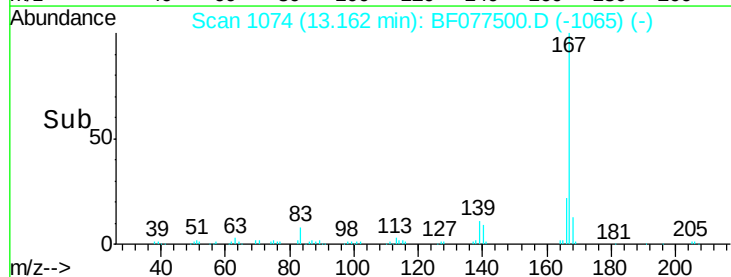
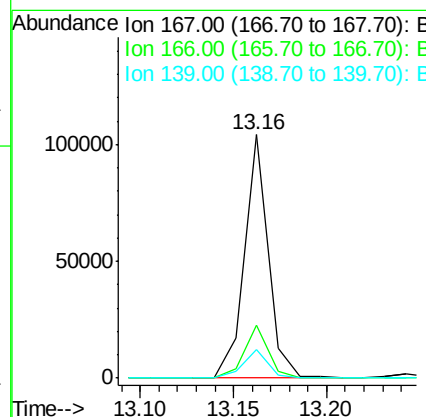
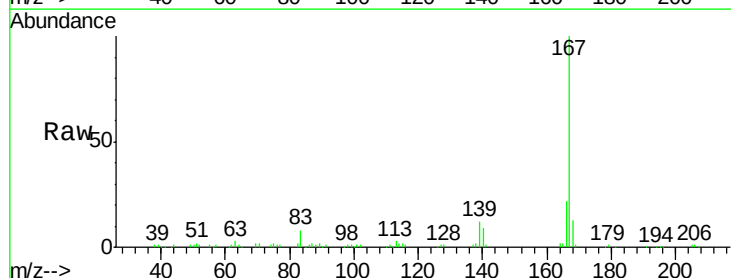
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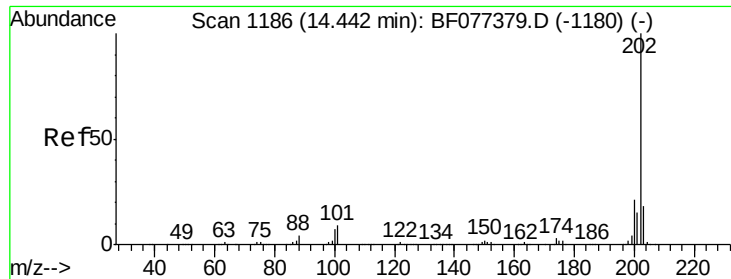
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#72
 Carbazole
 Concen: 5.72 ng
 RT: 13.16 min Scan# 1074
 Delta R.T. -0.00 min
 Lab File: BF077500.D
 Acq: 27 Feb 2015 9:45

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.6	26.4
139	11.7	9.9	14.9





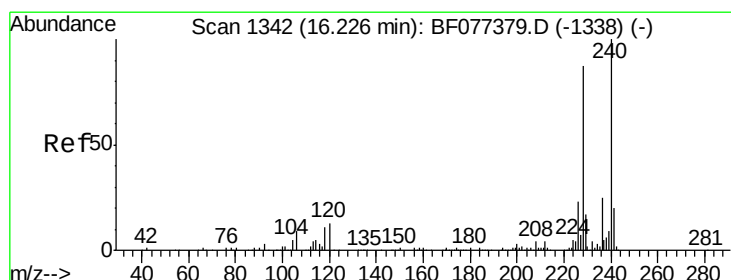
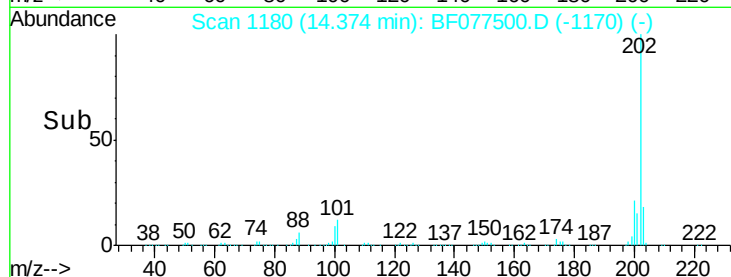
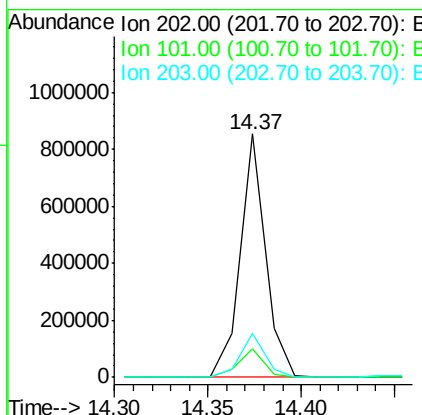
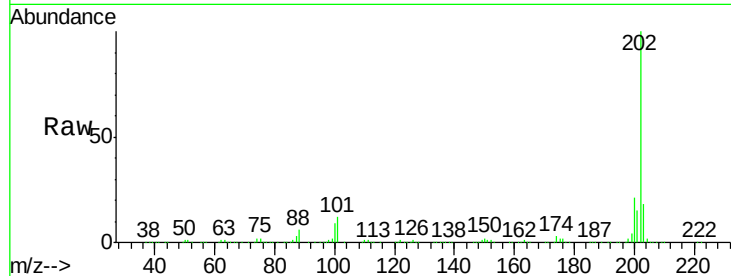
#74
Fluoranthene
Concen: 43.59 ng
RT: 14.37 min Scan# 1180
Delta R.T. 0.01 min
Lab File: BF077500.D
Acq: 27 Feb 2015 9:45

Instrument :
BNA_F
ClientSampled :
B-9-D4DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.6	0.0	30.8
203	18.2	0.0	37.7

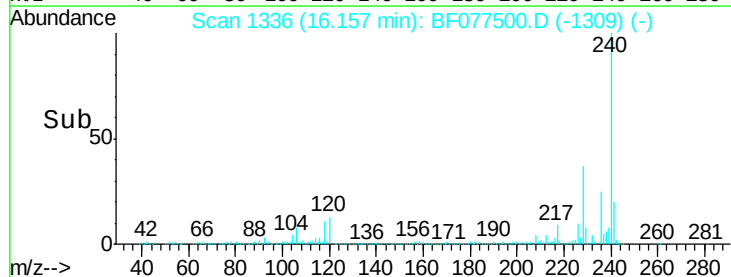
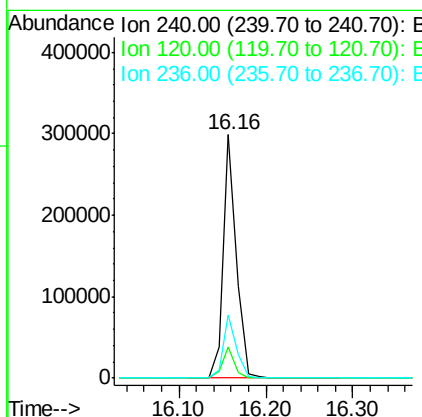
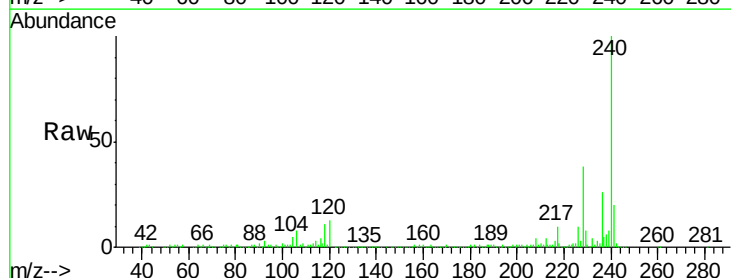
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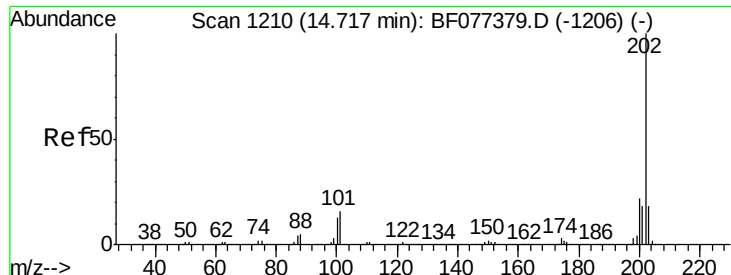
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.16 min Scan# 1336
Delta R.T. 0.01 min
Lab File: BF077500.D
Acq: 27 Feb 2015 9:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	12.7	8.8	13.2
236	25.8	20.7	31.1





#77

Pyrene

Concen: 35.37 ng

RT: 14.65 min Scan# 1205

Delta R.T. 0.01 min

Lab File: BF077500.D

Acq: 27 Feb 2015 9:45

Instrument :

BNA_F

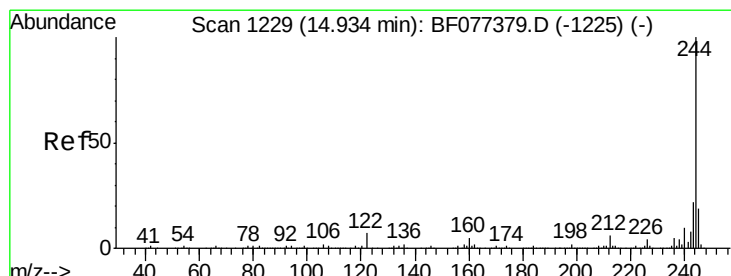
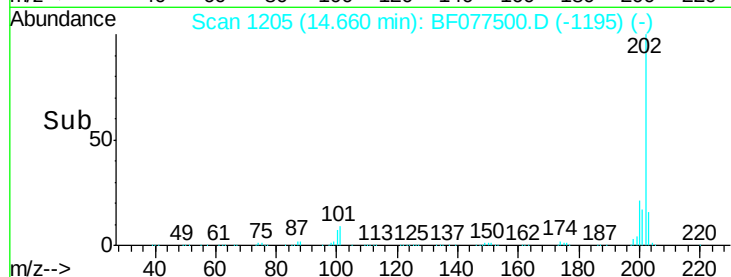
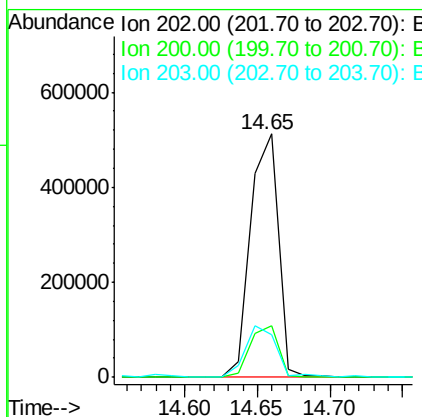
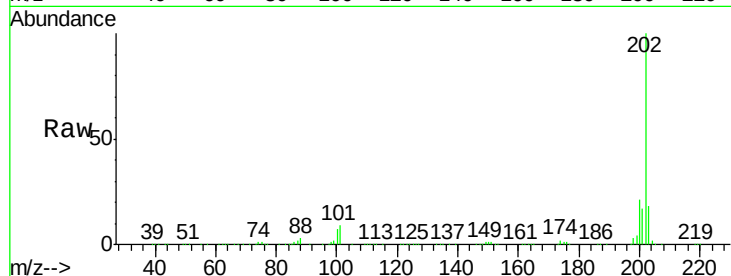
ClientSampleId :

B-9-D4DL

Tgt Ion:	202	Resp:	683967
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.1	25.7
203	17.5	14.2	21.2

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#78

Terphenyl-d14

Concen: 4.74 ng

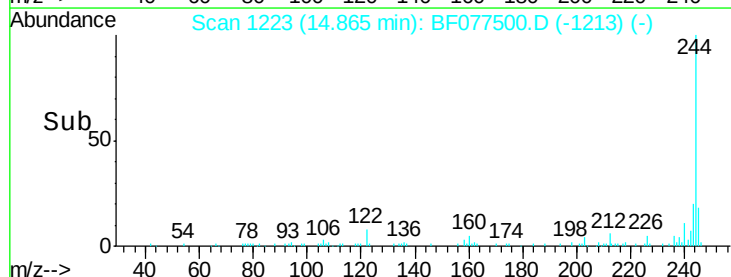
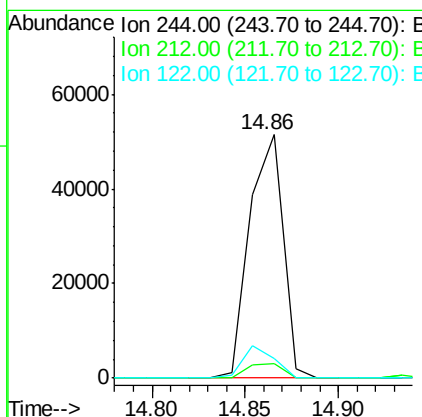
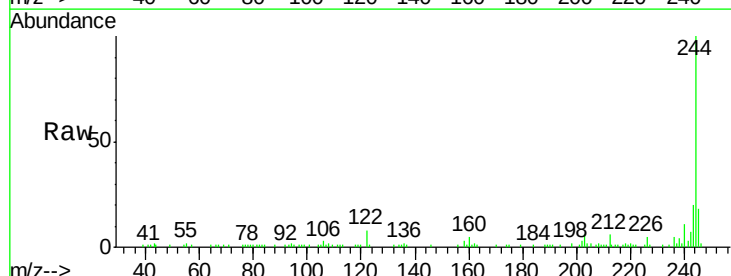
RT: 14.86 min Scan# 1223

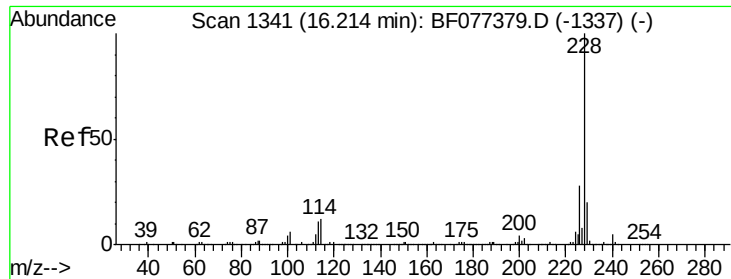
Delta R.T. 0.01 min

Lab File: BF077500.D

Acq: 27 Feb 2015 9:45

Tgt Ion:	244	Resp:	64030
Ion Ratio	Lower	Upper	
244	100		
212	5.9	5.2	7.8
122	7.9	7.8	11.8





#80

Benzo(a)anthracene

Concen: 20.34 ng

RT: 16.15 min Scan# 1335

Delta R.T. 0.01 min

Lab File: BF077500.D

Acq: 27 Feb 2015 9:45

Instrument :

BNA_F

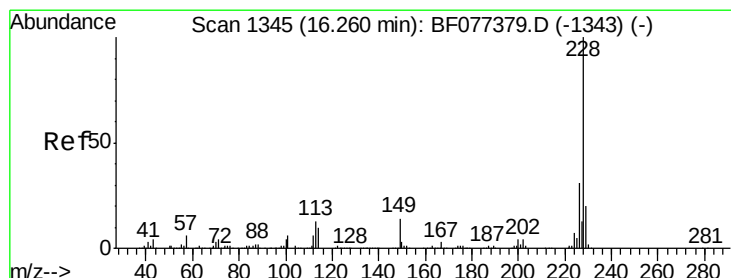
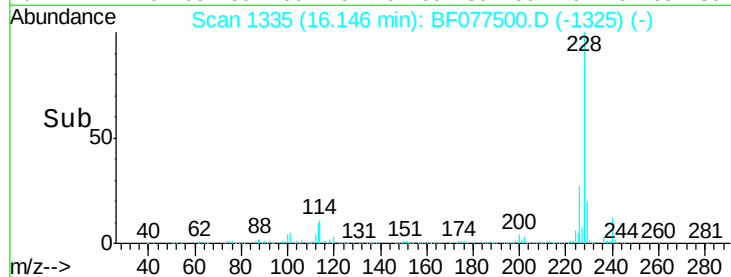
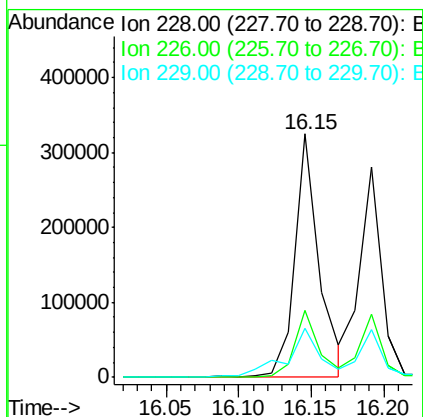
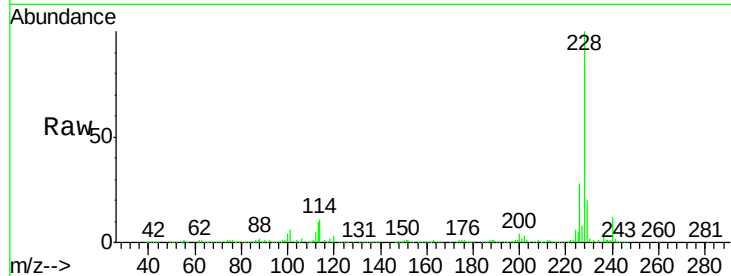
ClientSampleId :

B-9-D4DL

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	376833		
226	27.5	22.0	33.0	
229	20.2	15.8	23.8	

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#82

Chrysene

Concen: 16.91 ng

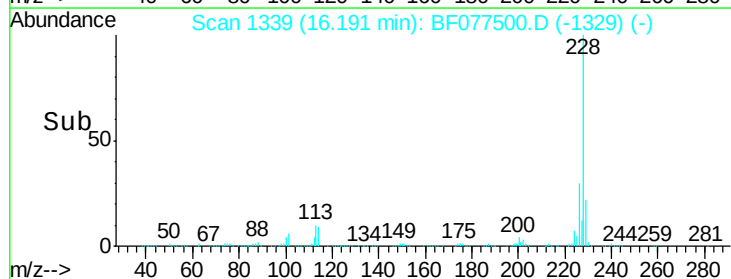
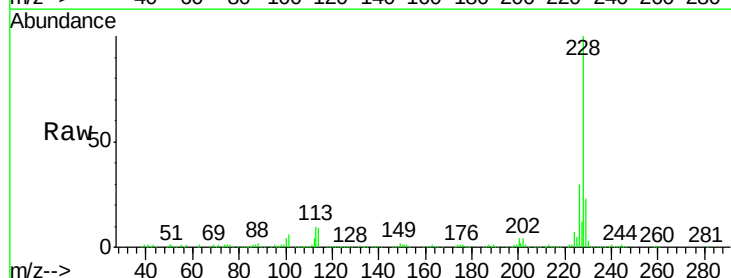
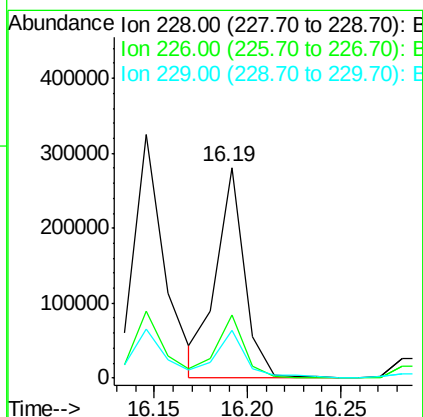
RT: 16.19 min Scan# 1339

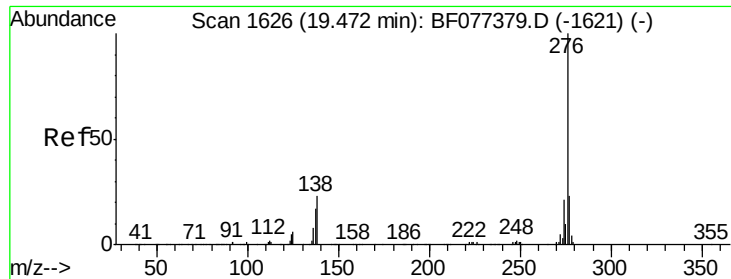
Delta R.T. 0.01 min

Lab File: BF077500.D

Acq: 27 Feb 2015 9:45

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	294143		
226	29.8	24.9	37.3	
229	22.6	16.4	24.6	





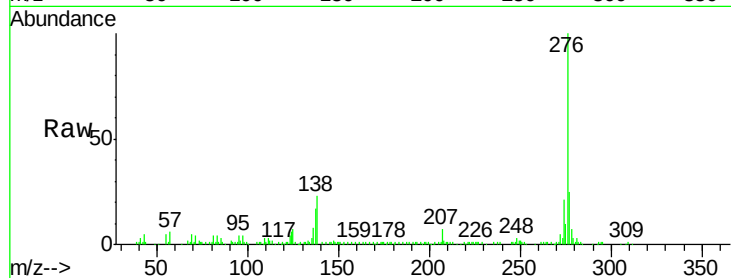
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.51 ng
 RT: 19.37 min Scan# 1617
 Delta R.T. 0.03 min
 Lab File: BF077500.D
 Acq: 27 Feb 2015 9:45

Instrument :
 BNA_F
 ClientSampled :
 B-9-D4DL

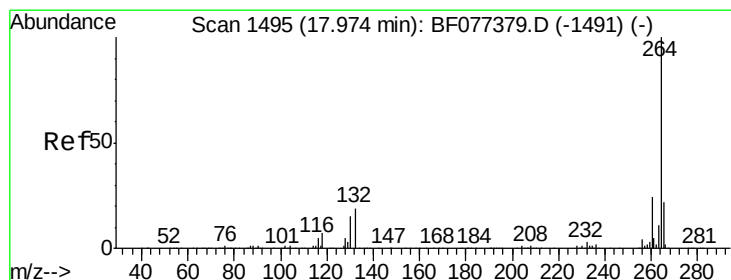
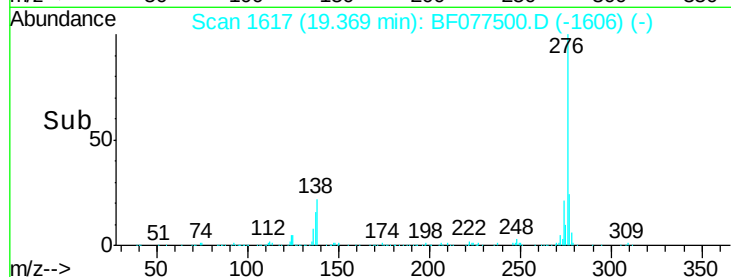
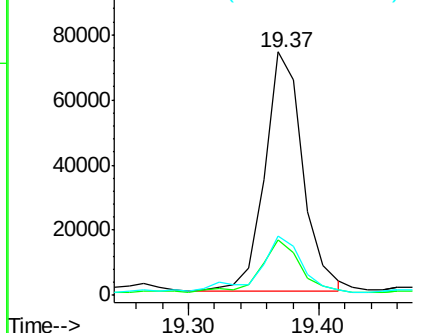
Tgt Ion	Ratio	Resp	Lower	Upper
276	100	148928		
138	23.7	21.2	31.8	
277	24.2	20.0	30.0	

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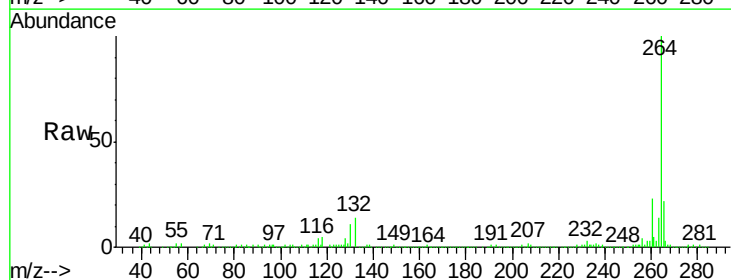


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

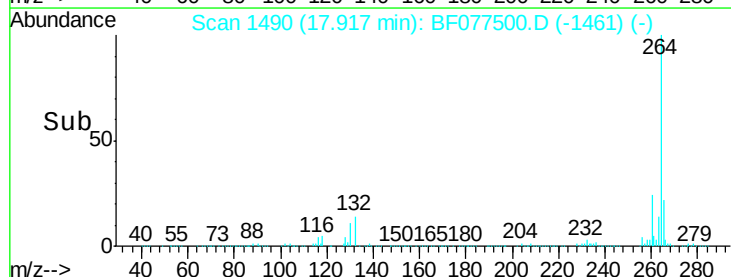
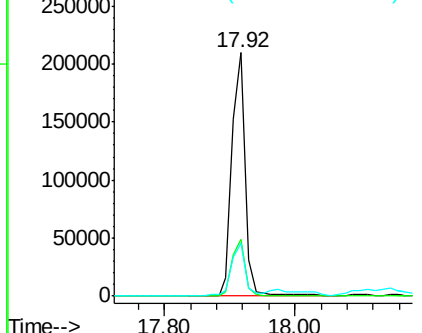


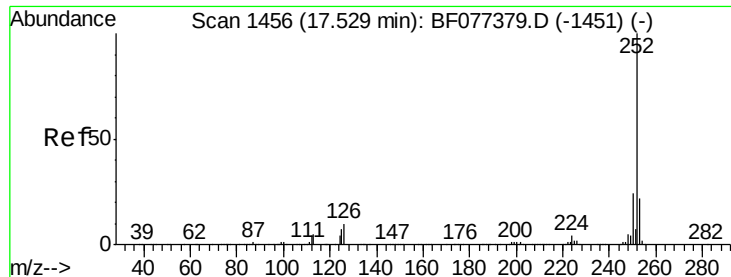
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.92 min Scan# 1490
 Delta R.T. 0.03 min
 Lab File: BF077500.D
 Acq: 27 Feb 2015 9:45

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	293605		
260	23.5	19.3	28.9	
265	21.8	16.8	25.2	



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





#87

Benzo(b)fluoranthene

Concen: 23.65 ng m

RT: 17.47 min Scan# 1451

Delta R.T. 0.03 min

Lab File: BF077500.D

Acq: 27 Feb 2015 9:45

Instrument :

BNA_F

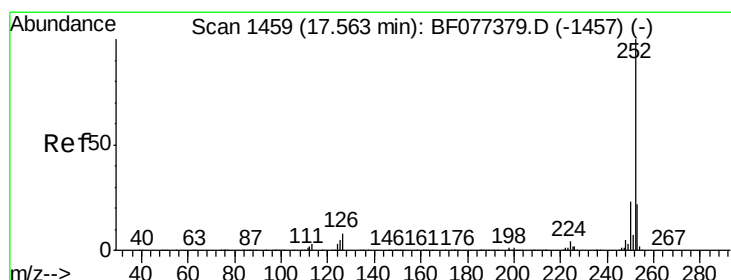
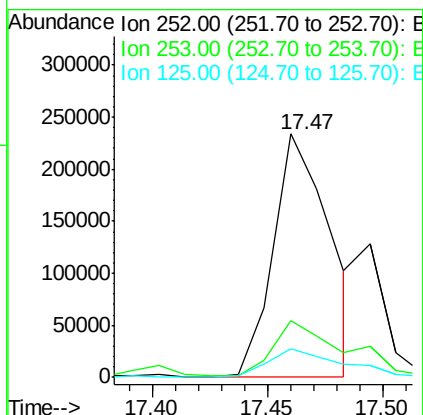
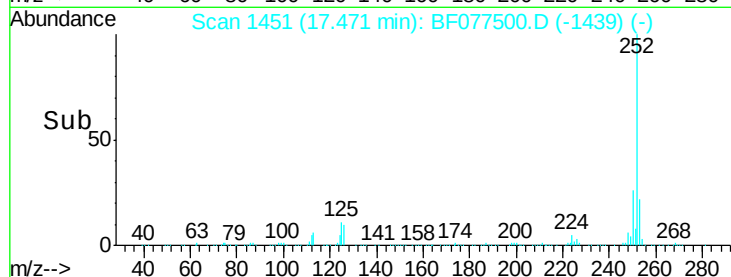
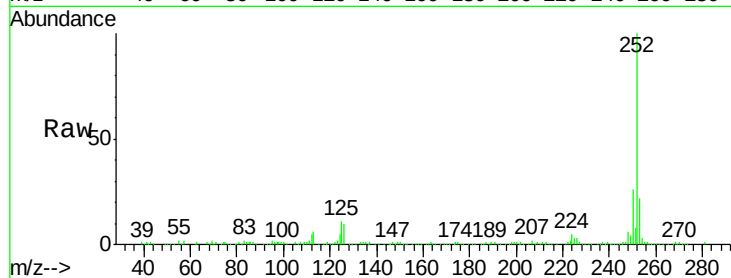
ClientSampleId :

B-9-D4DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	11.0	5.4	8.2#

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#88

Benzo(k)fluoranthene

Concen: 6.57 ng m

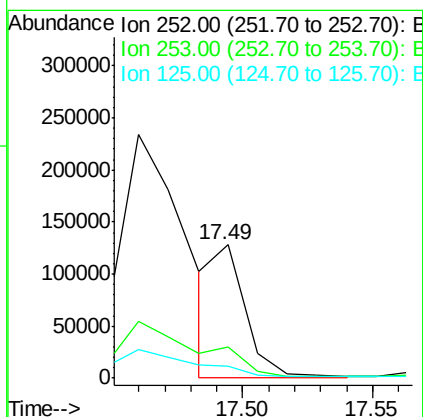
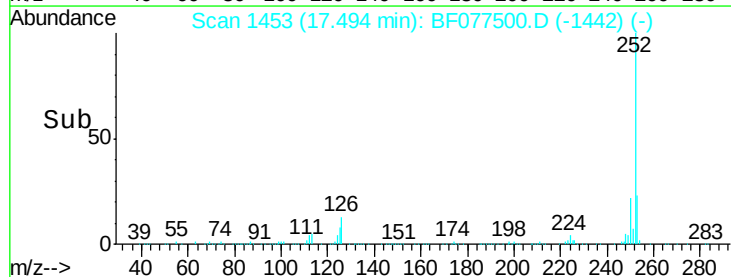
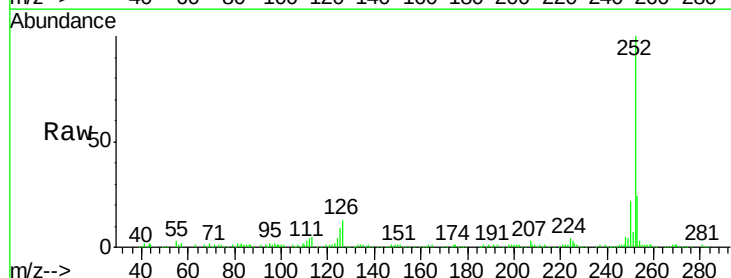
RT: 17.49 min Scan# 1453

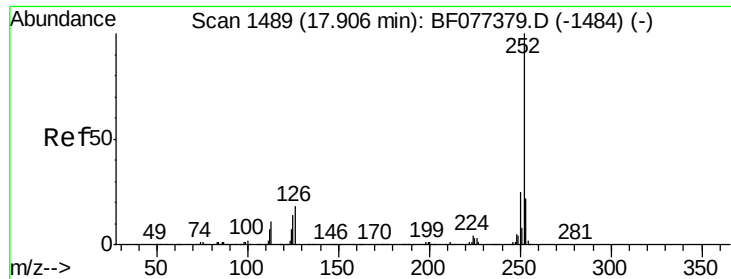
Delta R.T. 0.02 min

Lab File: BF077500.D

Acq: 27 Feb 2015 9:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	8.7	10.1	15.1#





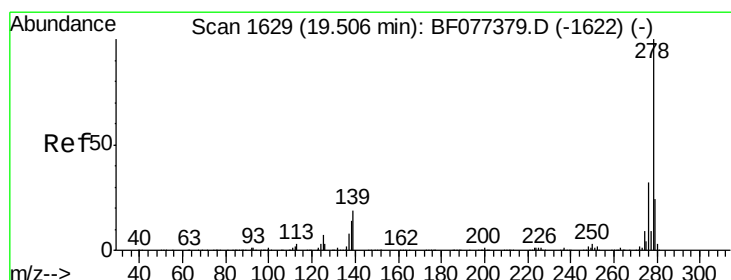
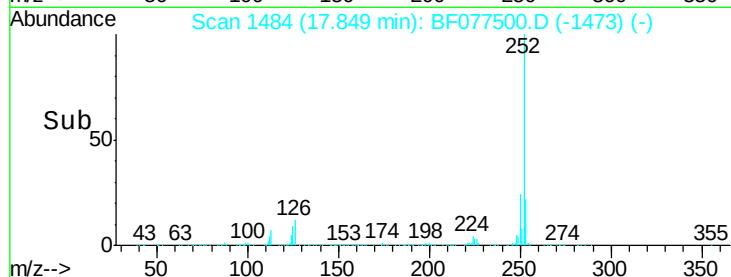
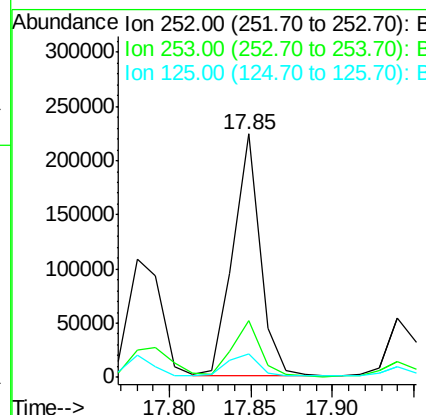
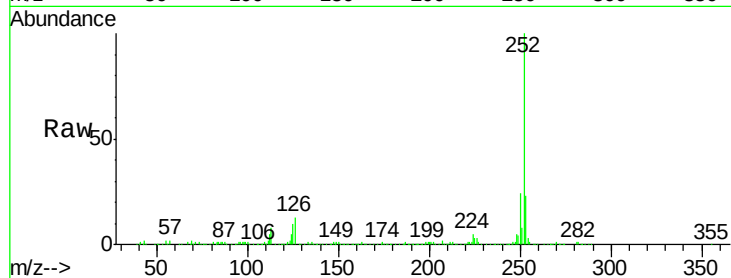
#89
Benzo(a)pyrene
Concen: 15.56 ng
RT: 17.85 min Scan# 1484
Delta R.T. 0.02 min
Lab File: BF077500.D
Acq: 27 Feb 2015 9:45

Instrument :
BNA_F
ClientSampled :
B-9-D4DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.3	18.2	27.2
125	9.8	8.3	12.5

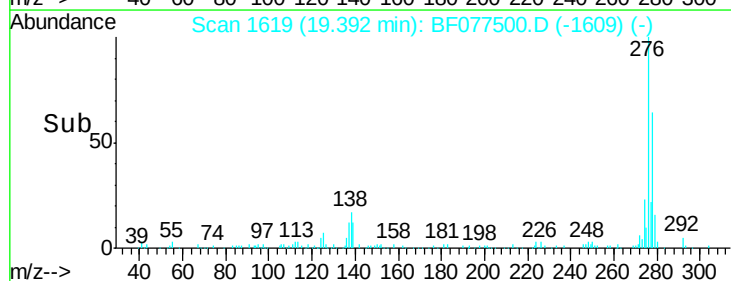
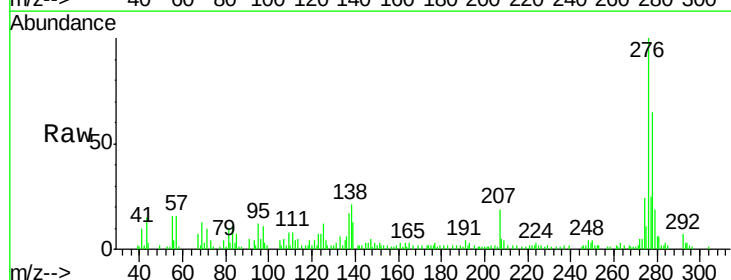
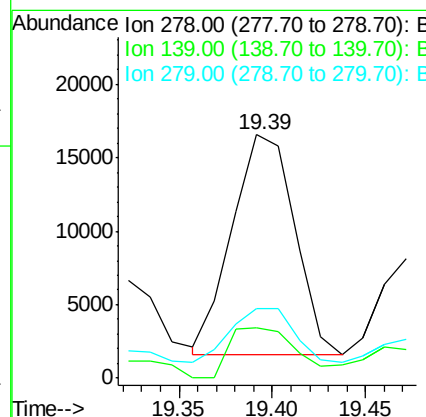
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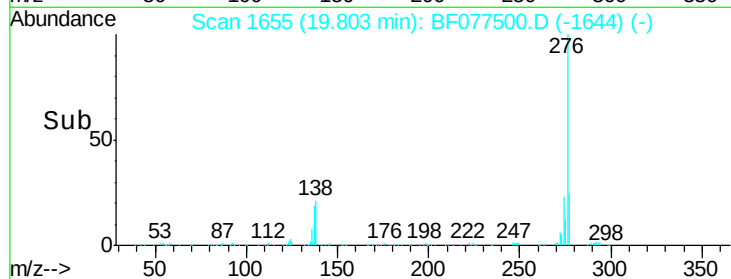
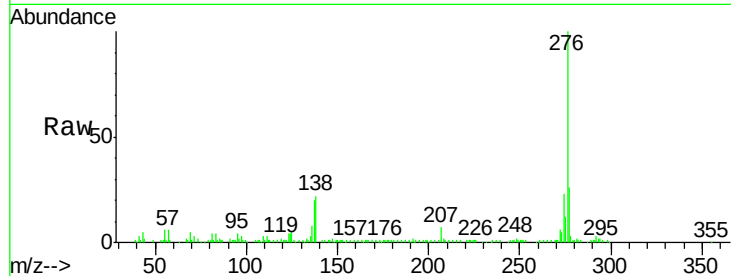
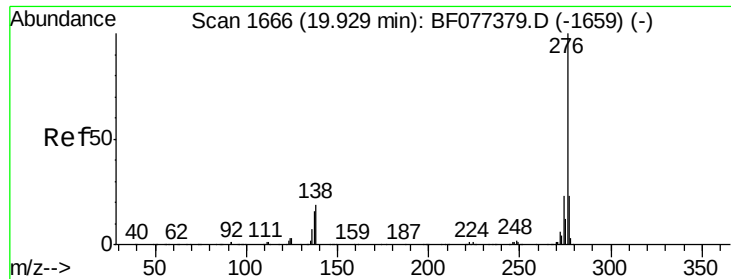
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#90
Dibenzo(a,h)anthracene
Concen: 2.24 ng
RT: 19.39 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BF077500.D
Acq: 27 Feb 2015 9:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	20.7	14.3	21.5
279	28.7	19.0	28.6





#91

Benzo(g,h,i)perylene

Concen: 8.99 ng

RT: 19.81 min Scan# 1655

Delta R.T. 0.03 min

Lab File: BF077500.D

Acq: 27 Feb 2015 9:45

Instrument :

BNA_F

ClientSampleId :

B-9-D4DL

Tgt Ion:	276	Resp:	140658
Ion Ratio		Lower	Upper
276	100		
277	25.8	18.9	28.3
138	22.0	20.5	30.7

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