

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022415\
 Data File : BF077412.D
 Acq On : 24 Feb 2015 12:42
 Operator : IZ / TP
 Sample : G1332-08DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HF-3DL

Manual Integrations
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Quant Time: Feb 25 10:27:42 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 19 16:57:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.30	152	52437	20.00	ng	-0.03
21) Naphthalene-d8	8.88	136	217592	20.00	ng	-0.03
38) Acenaphthene-d10	11.06	164	112387	20.00	ng	-0.03
63) Phenanthrene-d10	12.90	188	222725	20.00	ng	-0.03
75) Chrysene-d12	16.20	240	237113	20.00	ng	-0.02
86) Perylene-d12	18.00	264	245220	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	62289	19.83	ng	-0.03
7) Phenol-d6	6.85	99	80005	19.81	ng	-0.02
23) Nitrobenzene-d5	7.98	82	44930	12.84	ng	-0.05
41) 2,4,6-Tribromophenol	12.03	330	18669	17.25	ng	-0.03
44) 2-Fluorobiphenyl	10.22	172	92937	12.89	ng	-0.03
78) Terphenyl-d14	14.89	244	96960	9.56	ng	-0.05
Target Compounds						Qvalue
31) Naphthalene	8.91	128	1140171	104.78	ng	99
37) 2-Methylnaphthalene	9.77	142	591656	76.57	ng	99
51) Acenaphthene	11.09	154	612517	97.10	ng	100
54) Dibenzofuran	11.31	168	779137	79.99	ng	97
57) Fluorene	11.74	166	848090	108.91	ng	99
70) Phenanthrene	12.95	178	2899136	224.58	ng	96
71) Anthracene	12.99	178	392616	30.65	ng	98
72) Carbazole	13.20	167	119945	9.85	ng	99
74) Fluoranthene	14.41	202	1543541	109.46	ng	96
77) Pyrene	14.69	202	1084109	74.74	ng	99
80) Benzo(a)anthracene	16.19	228	282406m	20.32	ng	
82) Chrysene	16.24	228	249267m	19.10	ng	
87) Benzo(b)fluoranthene	17.54	252	129815m	9.10	ng	
88) Benzo(k)fluoranthene	17.56	252	47292m	3.38	ng	
89) Benzo(a)pyrene	17.93	252	81562	6.01	ng	# 98

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

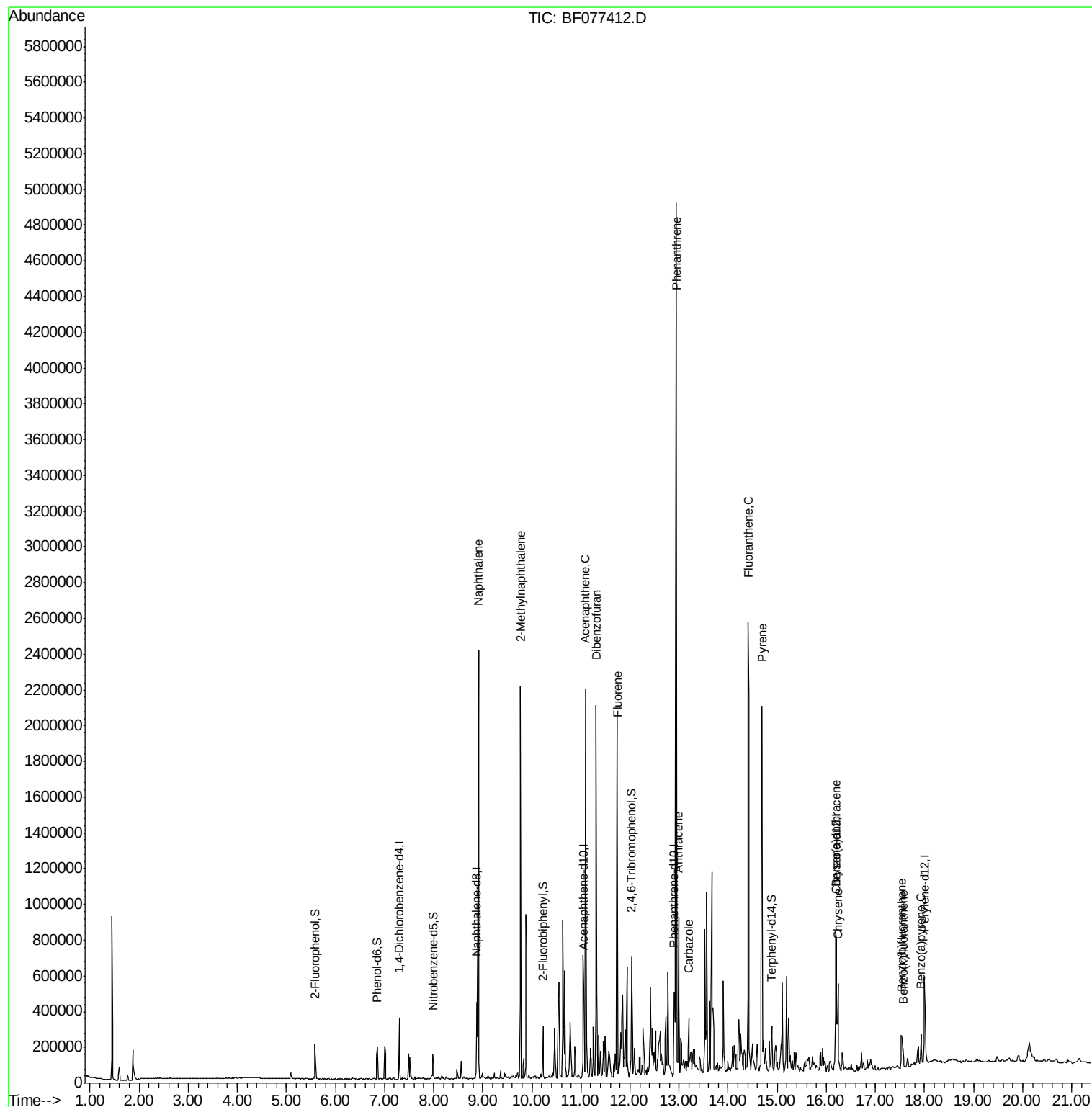
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022415\
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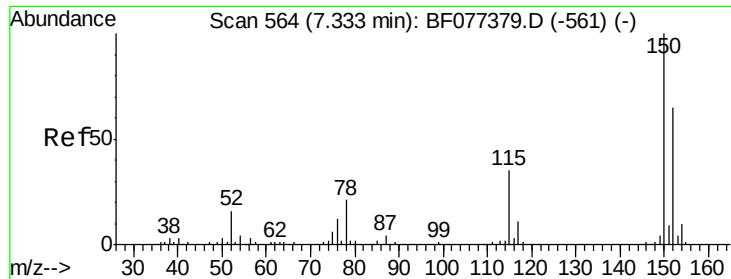
Instrument :
BNA_F
ClientSampleId :
HF-3DL

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

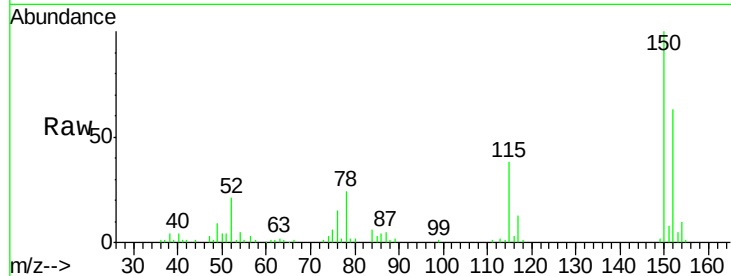
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.30 min Scan# 561
Delta R.T. -0.03 min
Lab File: BF077412.D
Acq: 24 Feb 2015 12:42

Instrument :
BNA_F
ClientSampleId :
HF-3DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.4	124.0	186.0
115	60.7	49.4	74.2

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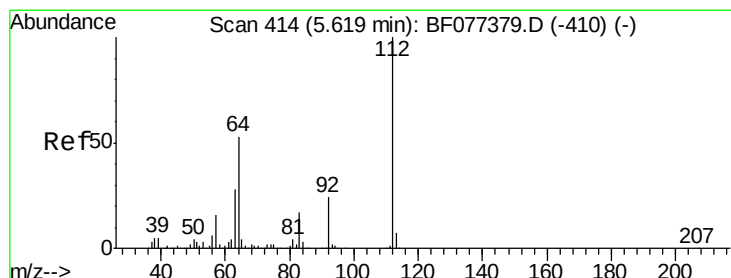
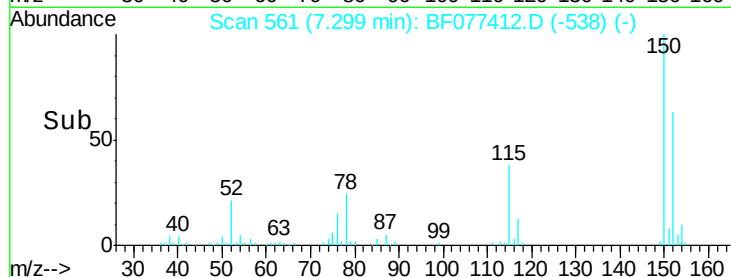
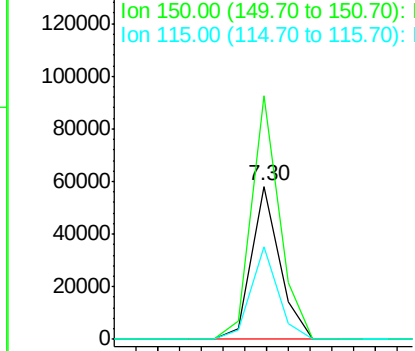


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

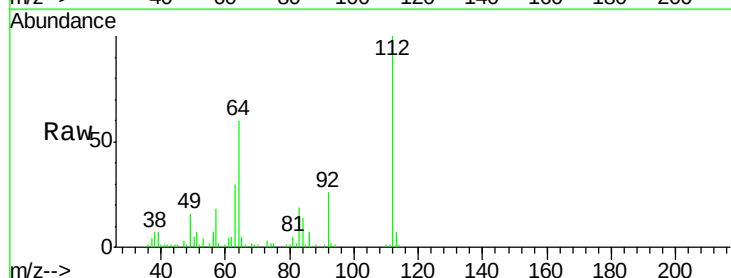
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 19.83 ng
RT: 5.58 min Scan# 411
Delta R.T. -0.03 min
Lab File: BF077412.D
Acq: 24 Feb 2015 12:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	48.5	72.7
63	29.6	25.0	37.4

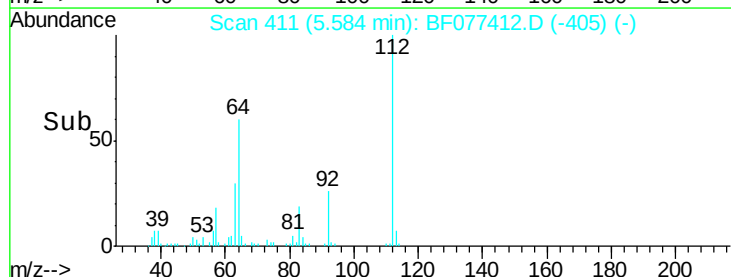
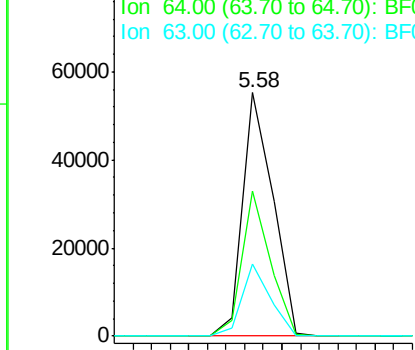


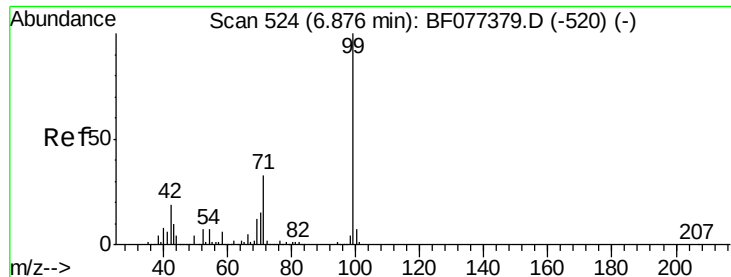
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 19.81 ng

RT: 6.85 min Scan# 522

Delta R.T. -0.02 min

Lab File: BF077412.D

Acq: 24 Feb 2015 12:42

Instrument :

BNA_F

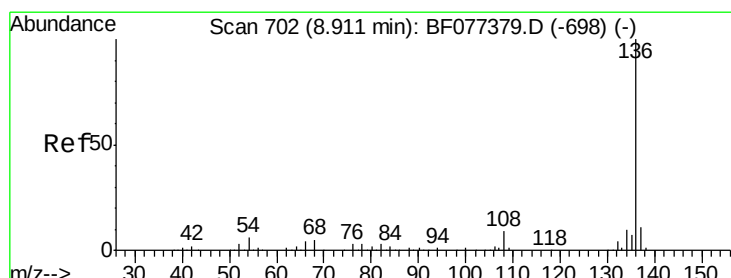
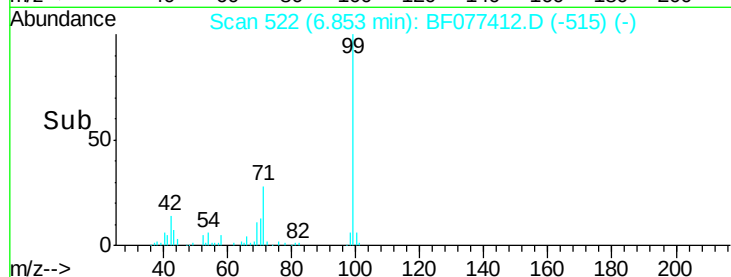
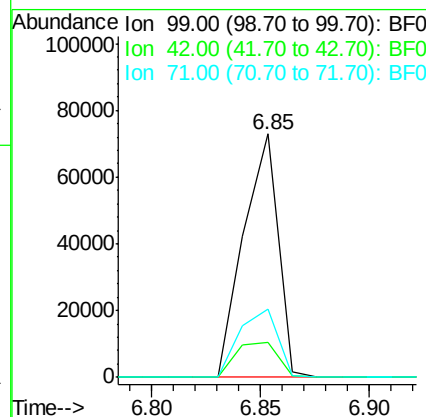
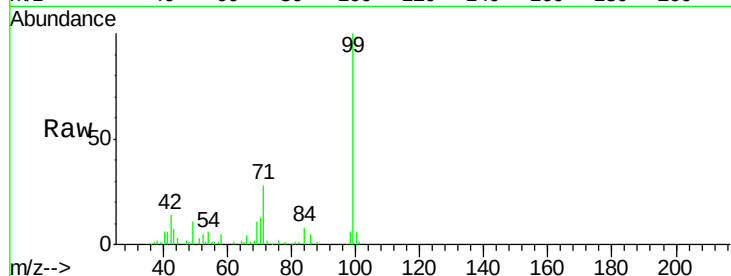
ClientSampled :

HF-3DL

Tgt Ion:	99	Resp:	80005
Ion Ratio	Lower	Upper	
99	100		
42	14.3	16.2	24.4#
71	27.8	26.7	40.1

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#21

Naphthalene-d8

Concen: 20.00 ng

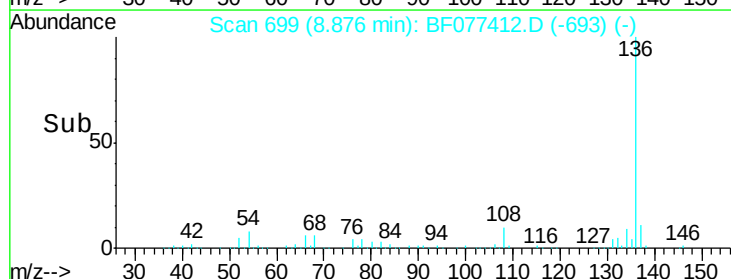
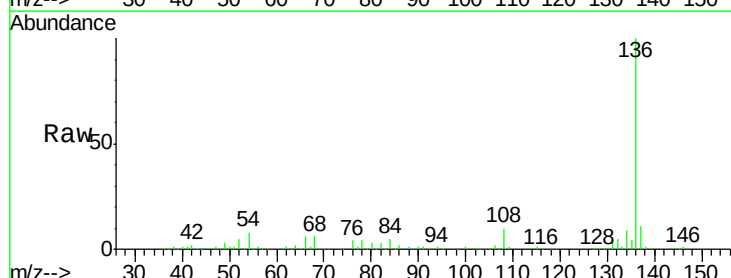
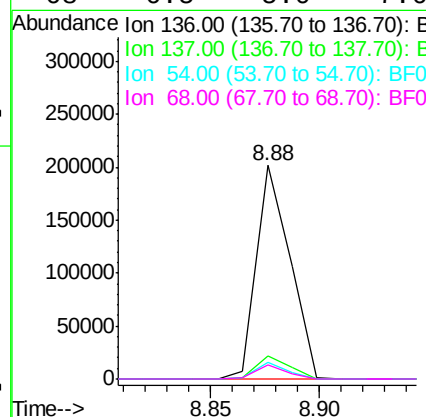
RT: 8.88 min Scan# 699

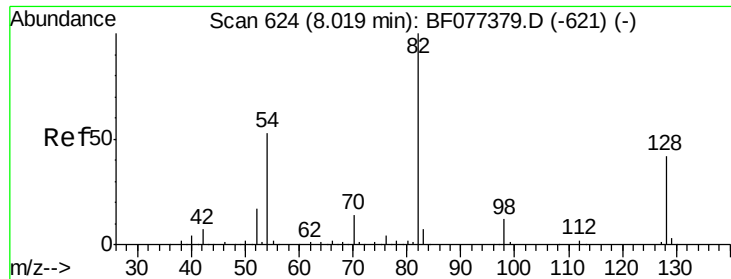
Delta R.T. -0.03 min

Lab File: BF077412.D

Acq: 24 Feb 2015 12:42

Tgt Ion:	136	Resp:	217592
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.6	13.0
54	8.0	6.2	9.4
68	6.5	5.0	7.6





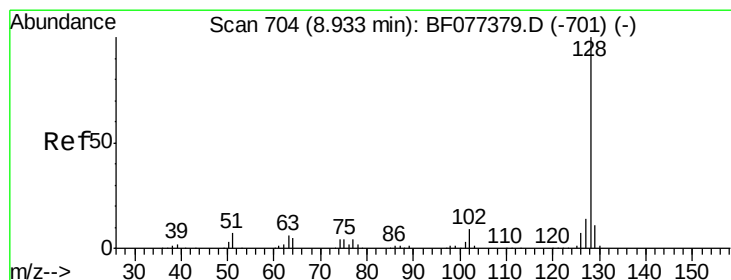
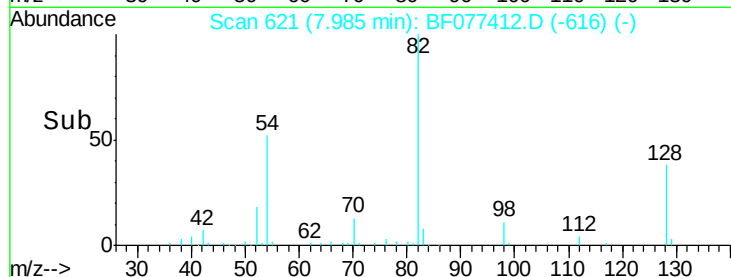
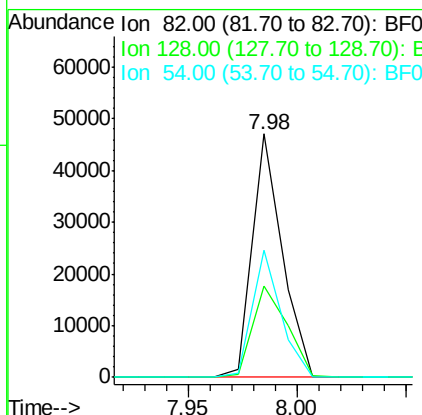
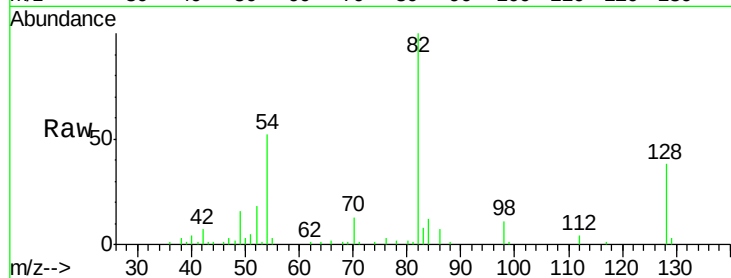
#23
 Nitrobenzene-d5
 Concen: 12.84 ng
 RT: 7.98 min Scan# 621
 Delta R.T. -0.05 min
 Lab File: BF077412.D
 Acq: 24 Feb 2015 12:42

Instrument :
 BNA_F
 ClientSampleId :
 HF-3DL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.7	43.8	65.8#
54	52.2	36.7	55.1

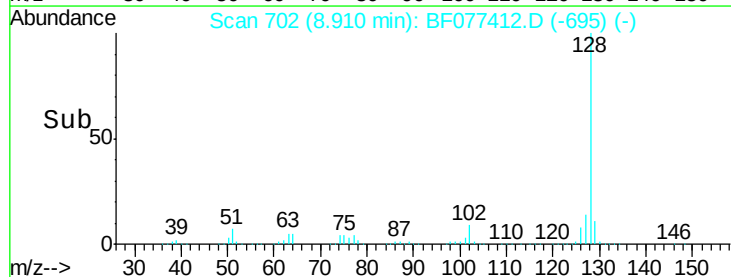
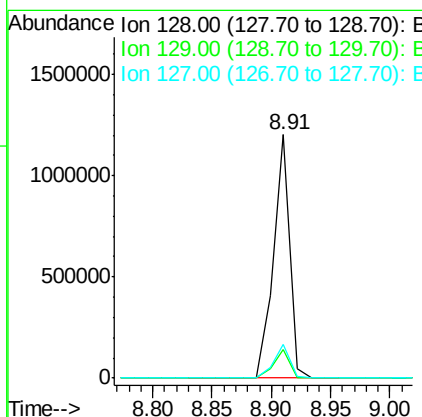
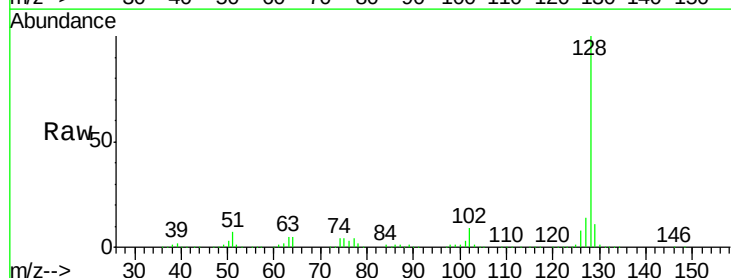
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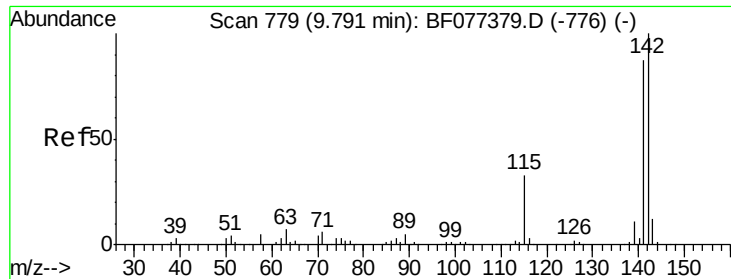
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#31
 Naphthalene
 Concen: 104.78 ng
 RT: 8.91 min Scan# 702
 Delta R.T. -0.02 min
 Lab File: BF077412.D
 Acq: 24 Feb 2015 12:42

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.4	14.0
127	13.9	10.6	15.8





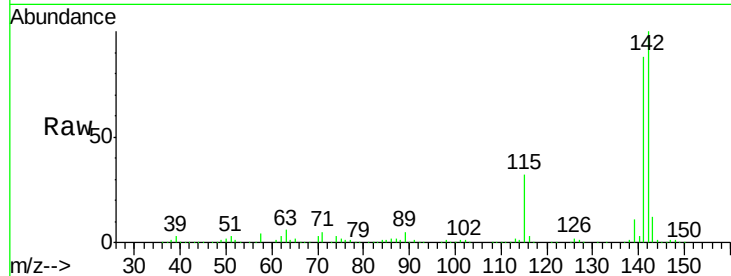
#37
2-Methylnaphthalene
Concen: 76.57 ng
RT: 9.77 min Scan# 777
Delta R.T. -0.03 min
Lab File: BF077412.D
Acq: 24 Feb 2015 12:42

Instrument :
BNA_F
ClientSampleId :
HF-3DL

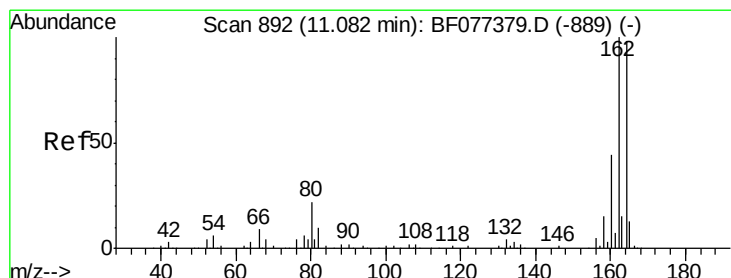
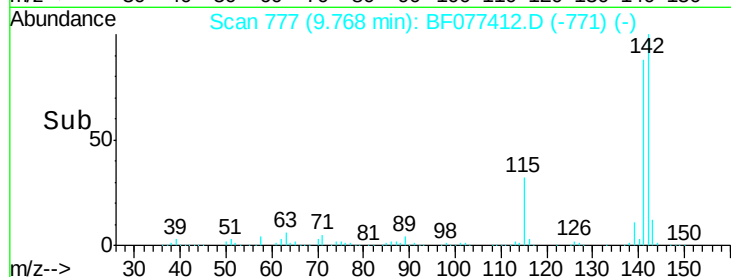
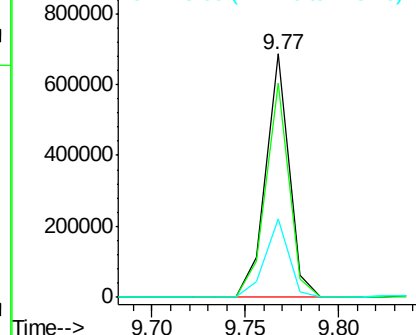
Tgt Ion	Ratio	Resp	Lower	Upper
142	100	591656		
141	88.2	70.7	106.1	
115	32.4	24.2	36.4	

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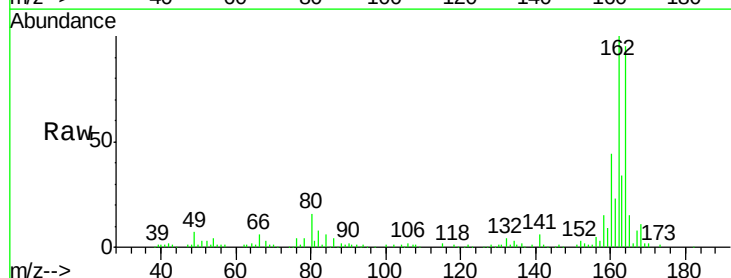


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

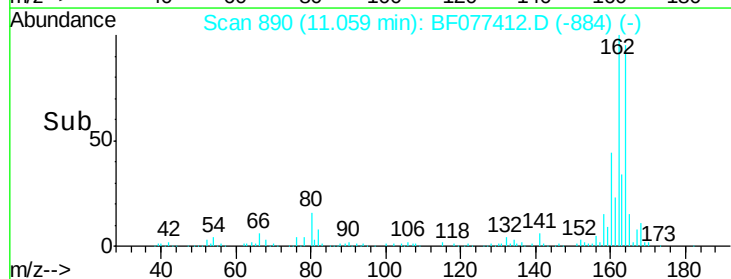
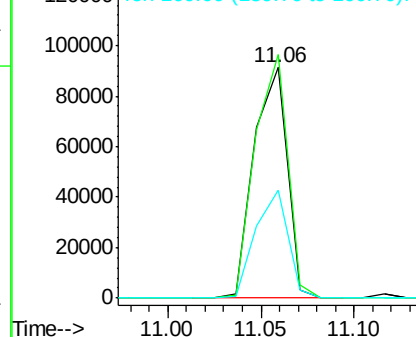


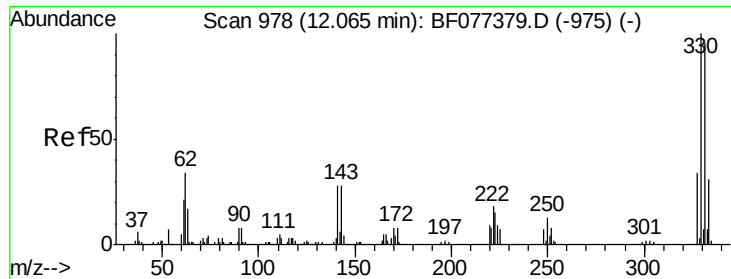
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.06 min Scan# 890
Delta R.T. -0.03 min
Lab File: BF077412.D
Acq: 24 Feb 2015 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	112387		
162	105.8	83.2	124.8	
160	46.9	34.6	52.0	



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





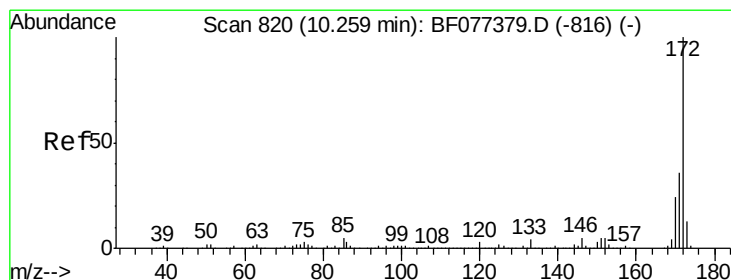
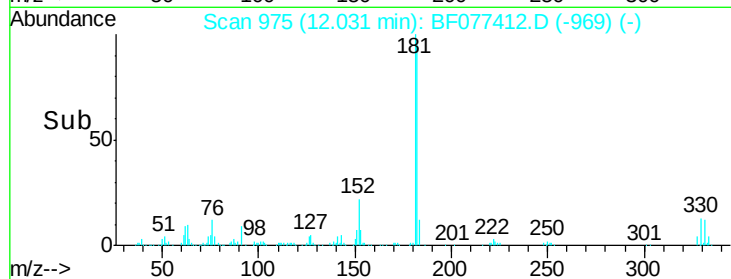
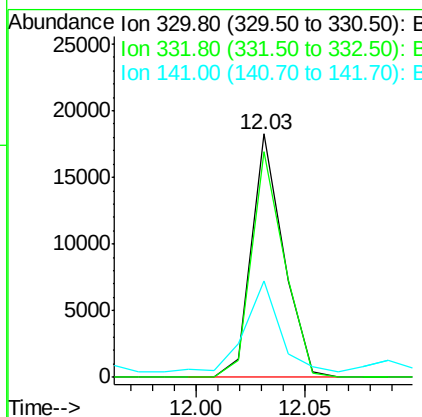
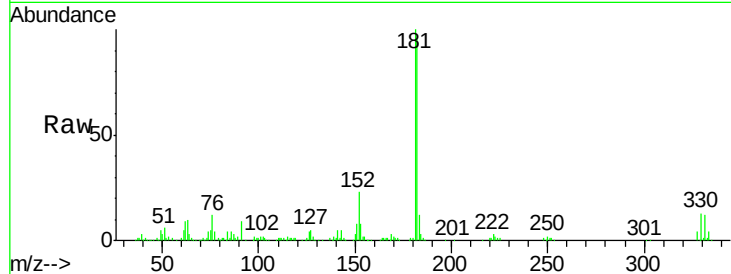
#41
 2,4,6-Tribromophenol
 Concen: 17.25 ng
 RT: 12.03 min Scan# 975
 Delta R.T. -0.03 min
 Lab File: BF077412.D
 Acq: 24 Feb 2015 12:42

Instrument :
 BNA_F
 ClientSampled :
 HF-3DL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	18669		
332	95.2	77.4	116.2	
141	41.2	28.8	43.2	

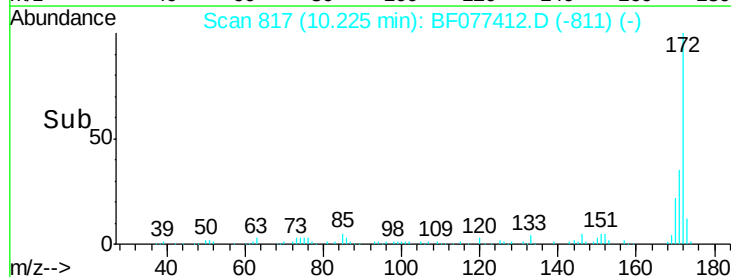
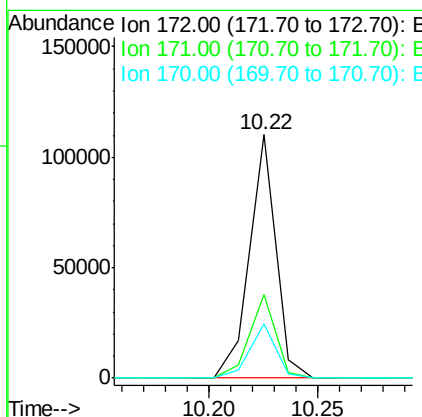
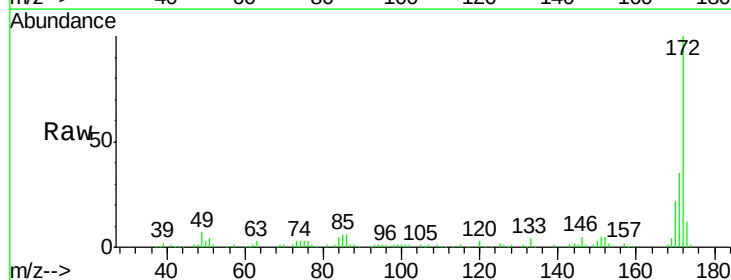
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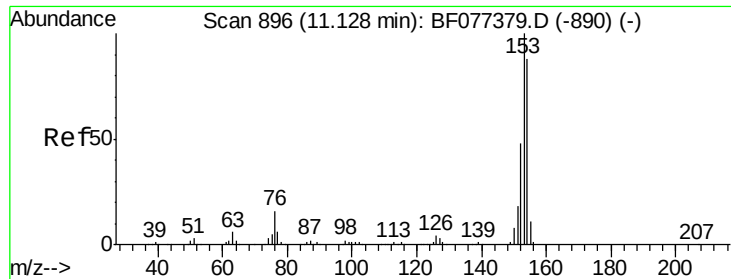
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#44
 2-Fluorobiphenyl
 Concen: 12.89 ng
 RT: 10.22 min Scan# 817
 Delta R.T. -0.03 min
 Lab File: BF077412.D
 Acq: 24 Feb 2015 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	92937		
171	34.6	28.9	43.3	
170	22.0	19.4	29.2	





#51

Acenaphthene

Concen: 97.10 ng

RT: 11.09 min Scan# 893

Delta R.T. -0.03 min

Lab File: BF077412.D

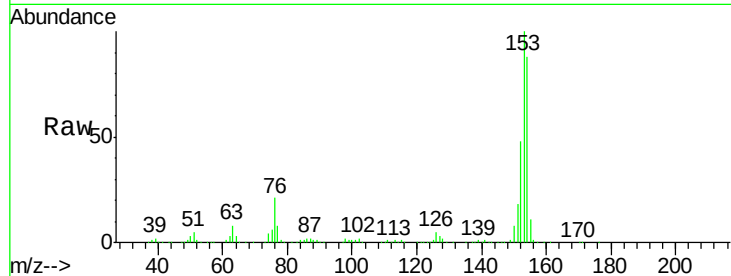
Acq: 24 Feb 2015 12:42

Instrument :

BNA_F

ClientSampleId :

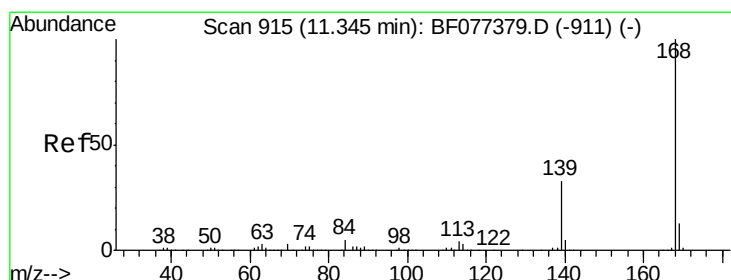
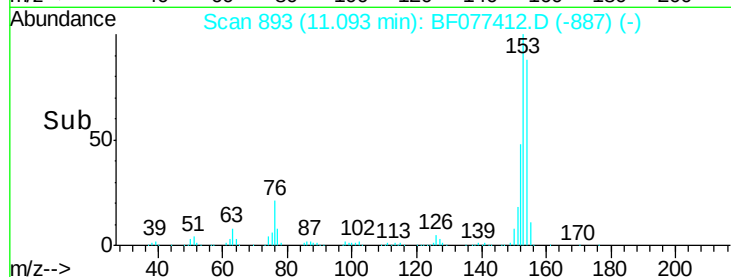
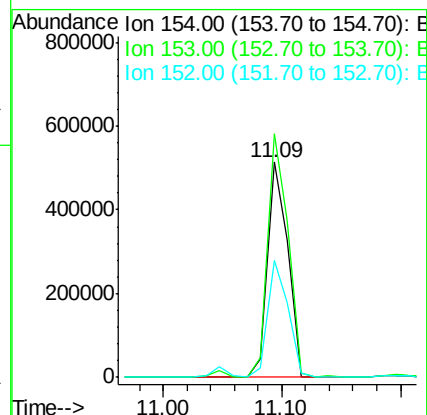
HF-3DL



Tgt Ion:	154	Resp:	612517
Ion Ratio	Lower	Upper	
154	100		
153	113.1	90.5	135.7
152	54.1	43.5	65.3

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#54

Dibenzofuran

Concen: 79.99 ng

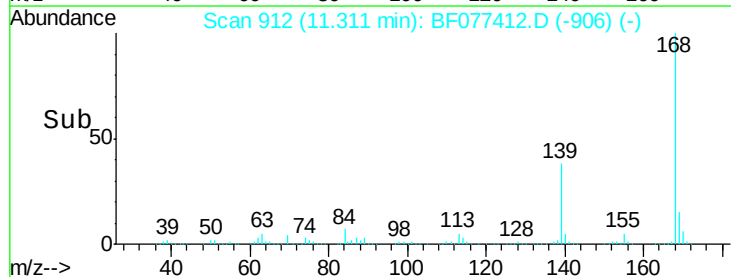
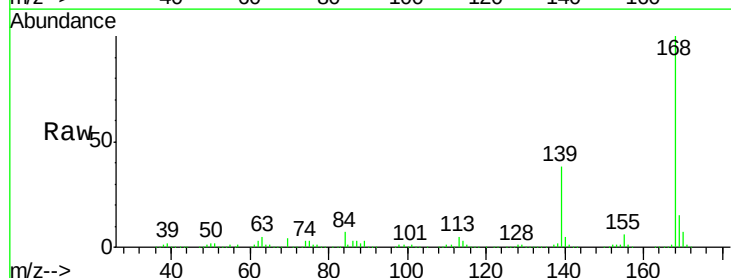
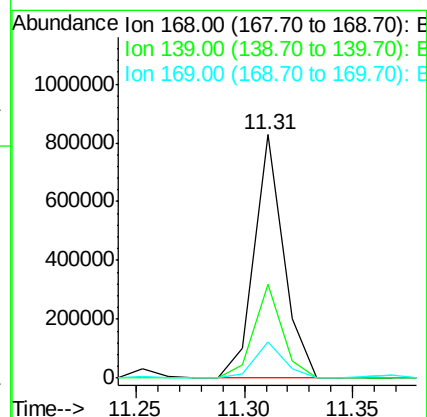
RT: 11.31 min Scan# 912

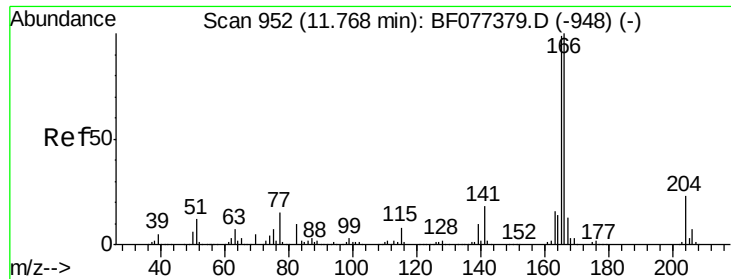
Delta R.T. -0.03 min

Lab File: BF077412.D

Acq: 24 Feb 2015 12:42

Tgt Ion:	168	Resp:	779137
Ion Ratio	Lower	Upper	
168	100		
139	38.5	29.3	43.9
169	14.9	10.9	16.3





#57

Fluorene

Concen: 108.91 ng

RT: 11.74 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF077412.D

Acq: 24 Feb 2015 12:42

Instrument :

BNA_F

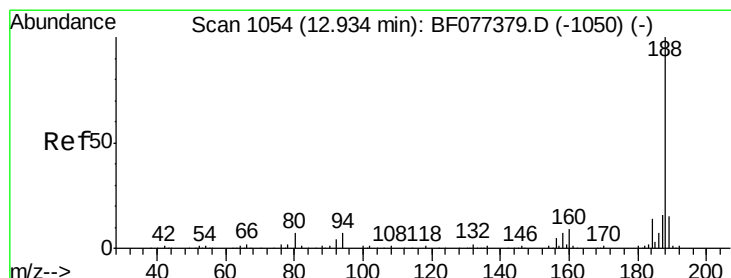
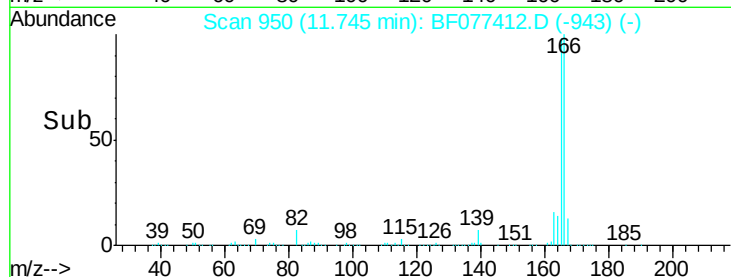
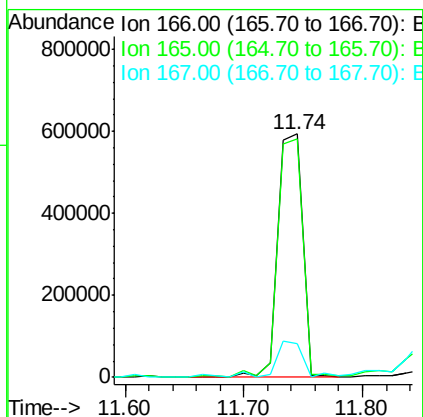
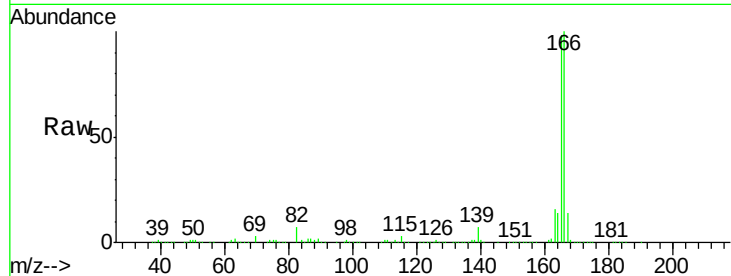
ClientSampled :

HF-3DL

Tgt Ion:	166	Resp:	848090
Ion Ratio	Lower	Upper	
166	100		
165	98.2	77.6	116.4
167	13.9	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.00 ng

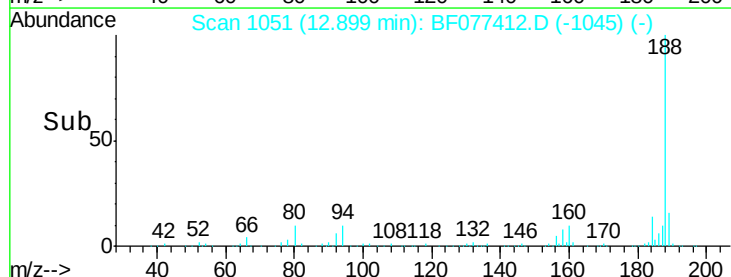
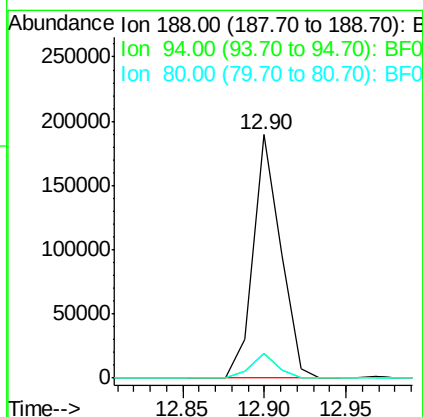
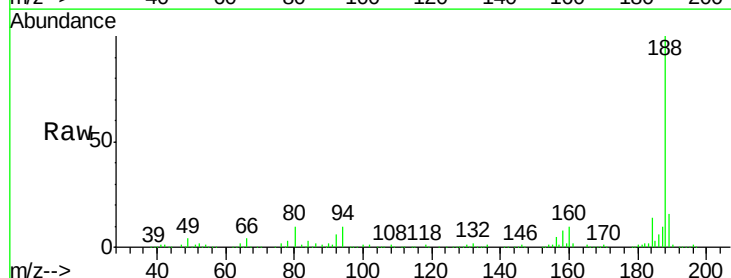
RT: 12.90 min Scan# 1051

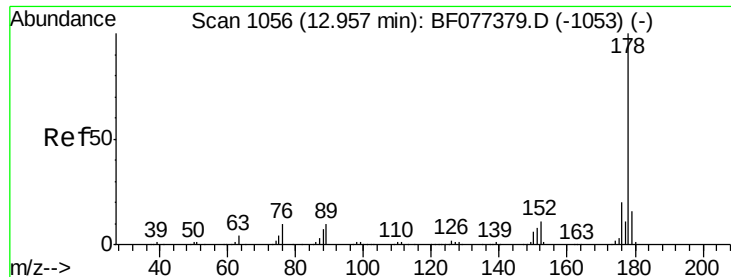
Delta R.T. -0.03 min

Lab File: BF077412.D

Acq: 24 Feb 2015 12:42

Tgt Ion:	188	Resp:	222725
Ion Ratio	Lower	Upper	
188	100		
94	10.3	7.4	11.2
80	10.3	8.0	12.0





#70

Phenanthrene

Concen: 224.58 ng

RT: 12.95 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF077412.D

Acq: 24 Feb 2015 12:42

Instrument :

BNA_F

ClientSampleId :

HF-3DL

Tgt Ion:178 Resp: 2899136

Ion Ratio Lower Upper

178 100

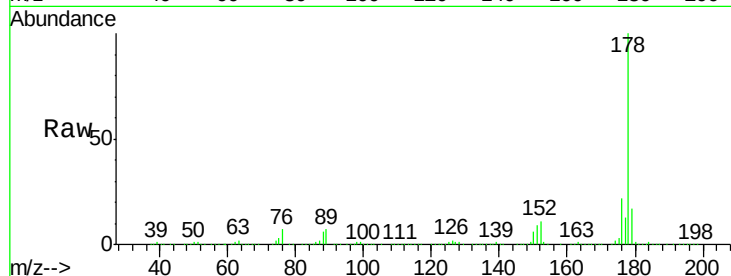
176 21.5 15.5 23.3

179 16.9 12.2 18.2

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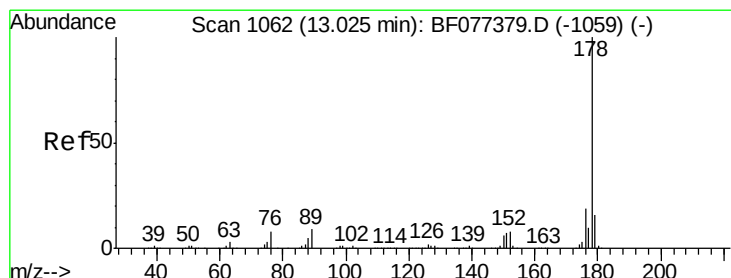
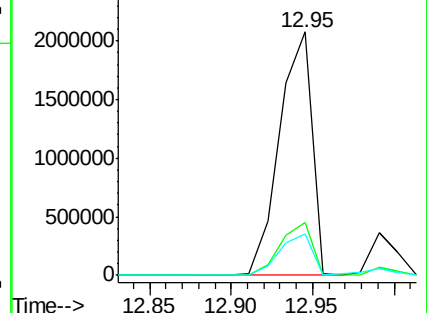
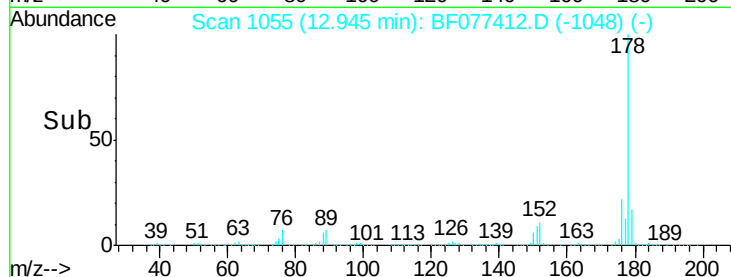
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 30.65 ng

RT: 12.99 min Scan# 1059

Delta R.T. -0.03 min

Lab File: BF077412.D

Acq: 24 Feb 2015 12:42

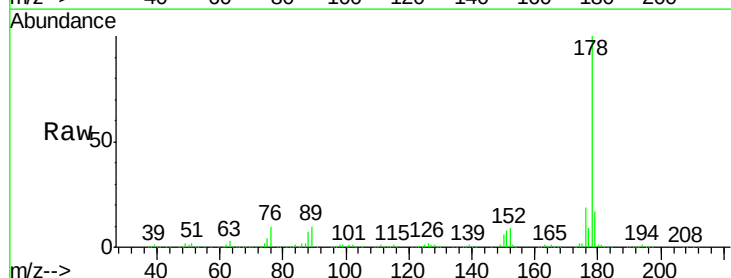
Tgt Ion:178 Resp: 392616

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.0

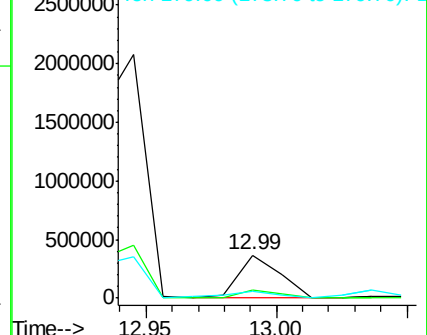
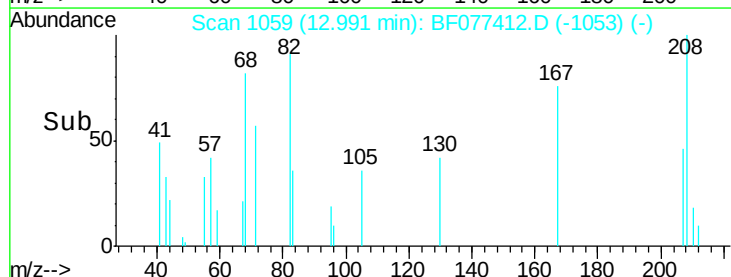
179 17.2 12.9 19.3

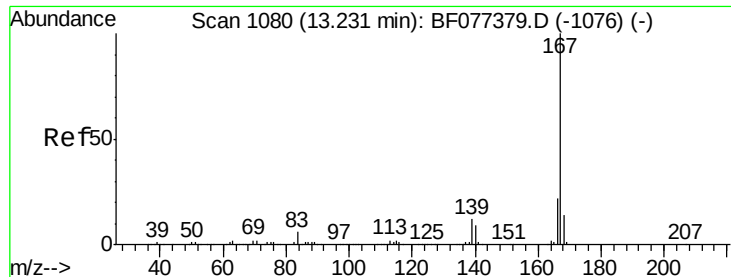


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 9.85 ng

RT: 13.20 min Scan# 1077

Delta R.T. -0.03 min

Lab File: BF077412.D

Acq: 24 Feb 2015 12:42

Instrument :

BNA_F

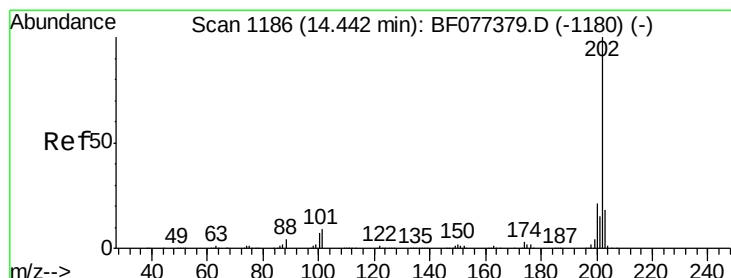
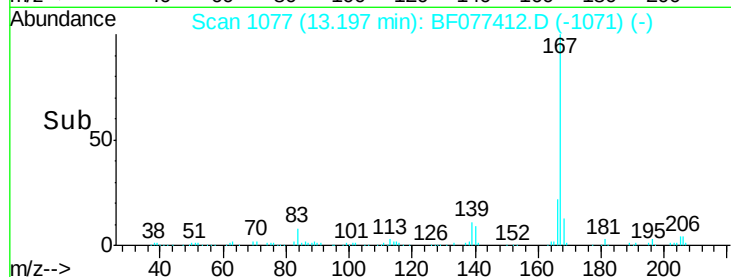
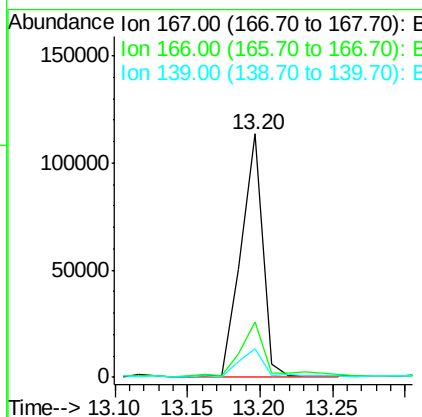
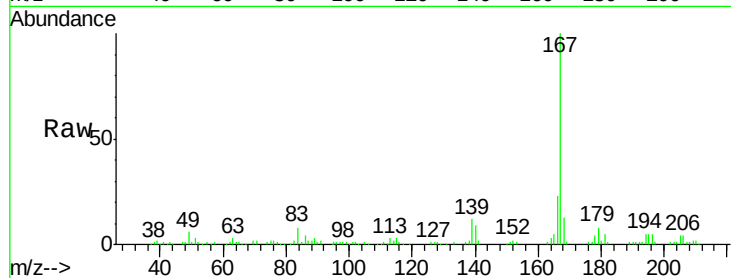
ClientSampleId :

HF-3DL

Tgt Ion:	167	Resp:	119945
Ion Ratio	Lower	Upper	
167	100		
166	22.6	17.6	26.4
139	11.7	9.9	14.9

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#74

Fluoranthene

Concen: 109.46 ng

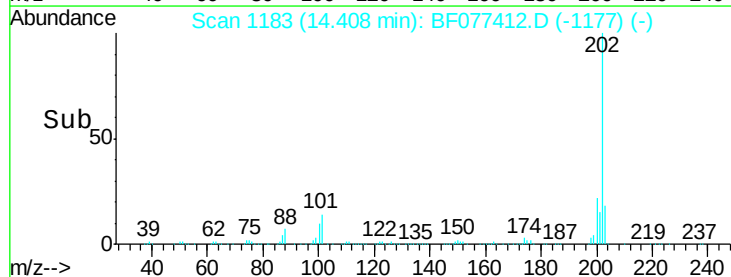
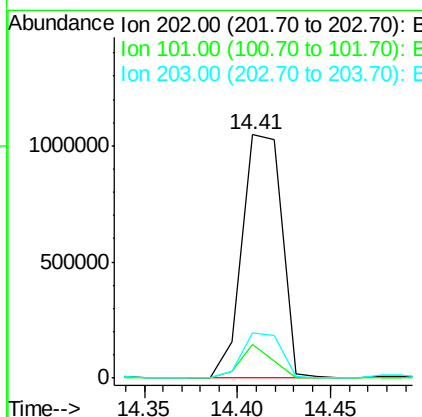
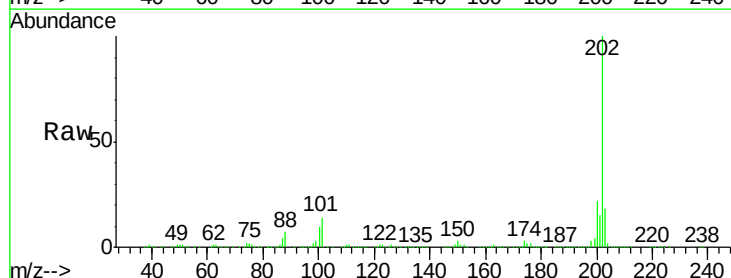
RT: 14.41 min Scan# 1183

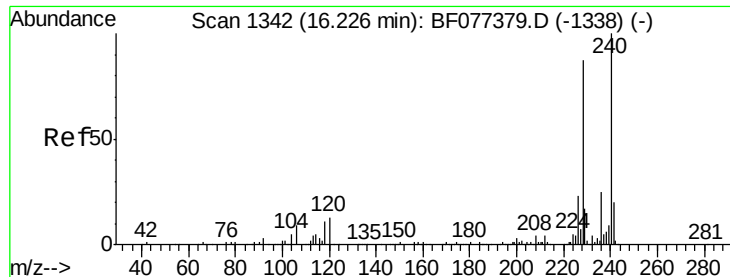
Delta R.T. -0.03 min

Lab File: BF077412.D

Acq: 24 Feb 2015 12:42

Tgt Ion:	202	Resp:	1543541
Ion Ratio	Lower	Upper	
202	100		
101	13.8	0.0	30.8
203	18.5	0.0	37.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.20 min Scan# 1340

Delta R.T. -0.02 min

Lab File: BF077412.D

Acq: 24 Feb 2015 12:42

Instrument :

BNA_F

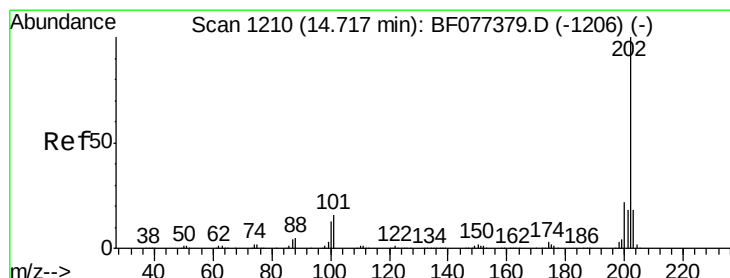
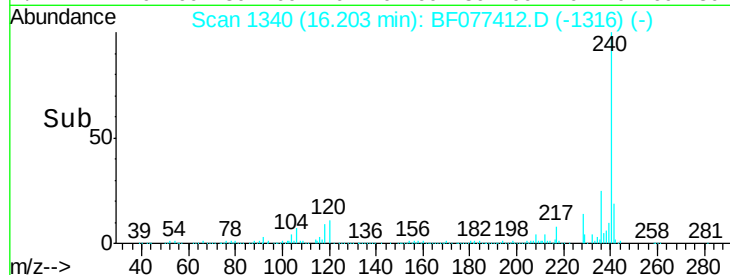
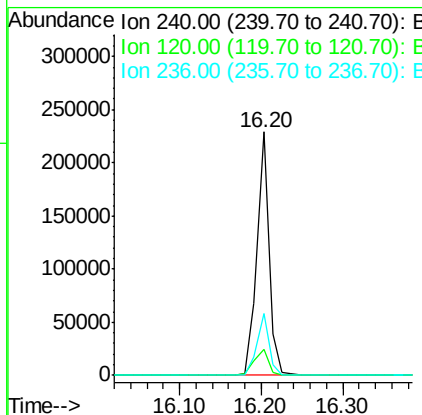
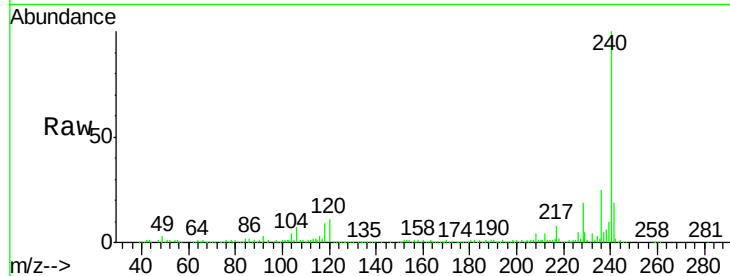
ClientSampleId :

HF-3DL

Tgt Ion:	240	Resp:	237113
Ion Ratio	Lower	Upper	
240	100		
120	10.7	8.8	13.2
236	25.4	20.7	31.1

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#77

Pyrene

Concen: 74.74 ng

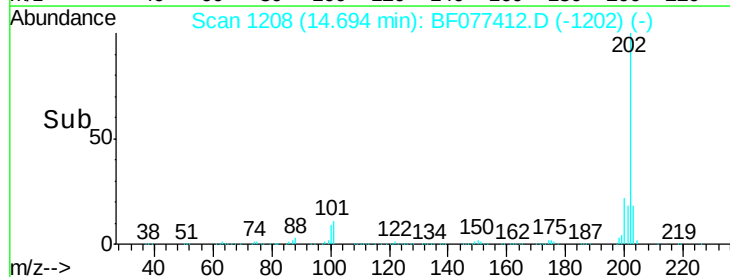
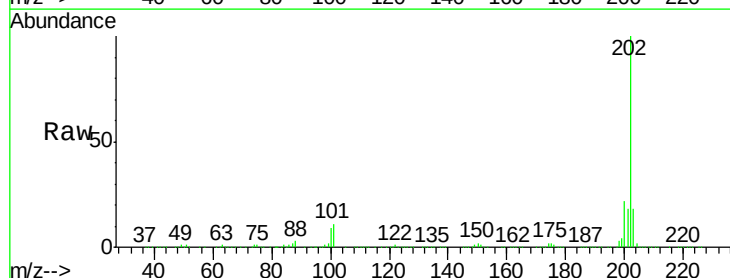
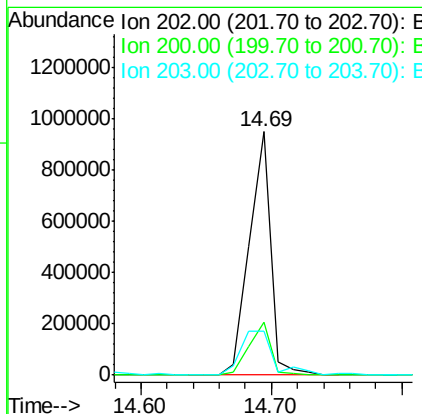
RT: 14.69 min Scan# 1208

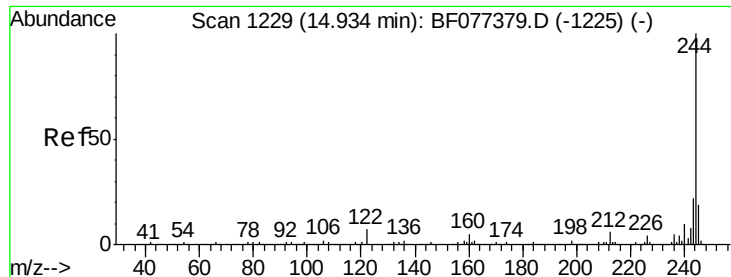
Delta R.T. -0.03 min

Lab File: BF077412.D

Acq: 24 Feb 2015 12:42

Tgt Ion:	202	Resp:	1084109
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.1	25.7
203	18.3	14.2	21.2





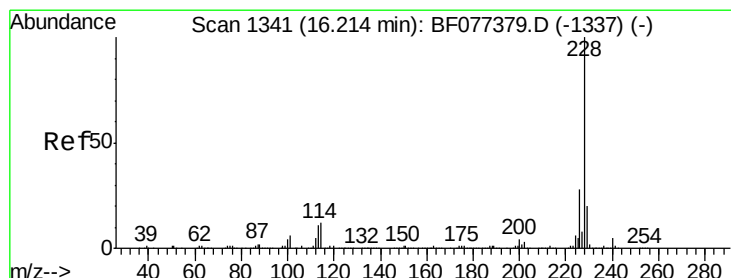
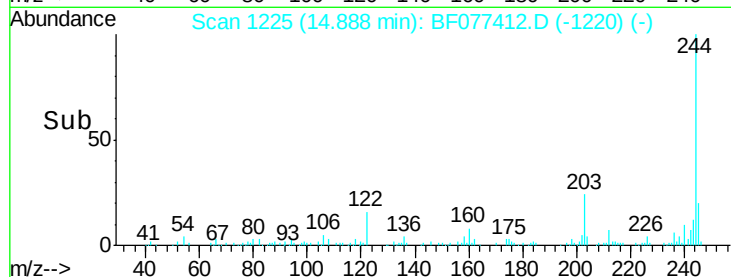
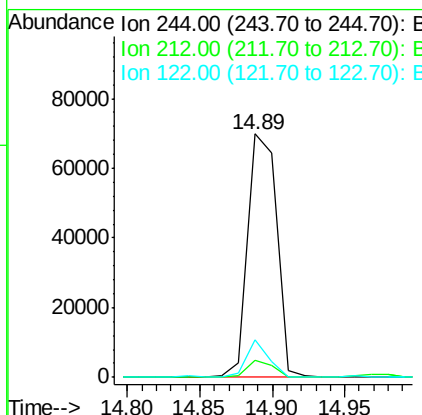
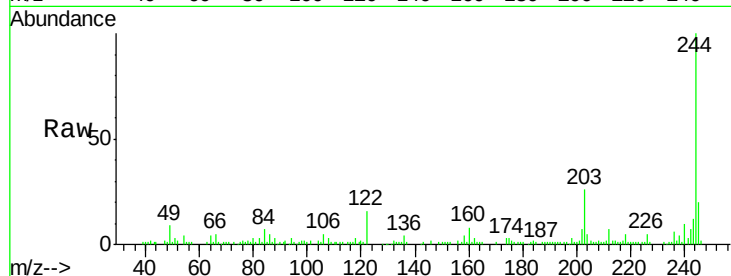
#78
 Terphenyl-d14
 Concen: 9.56 ng
 RT: 14.89 min Scan# 1225
 Delta R.T. -0.05 min
 Lab File: BF077412.D
 Acq: 24 Feb 2015 12:42

Instrument :
 BNA_F
 ClientSampleId :
 HF-3DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.3	5.2	7.8
122	15.7	7.8	11.8

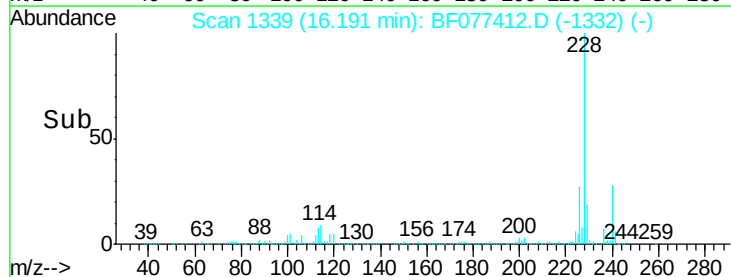
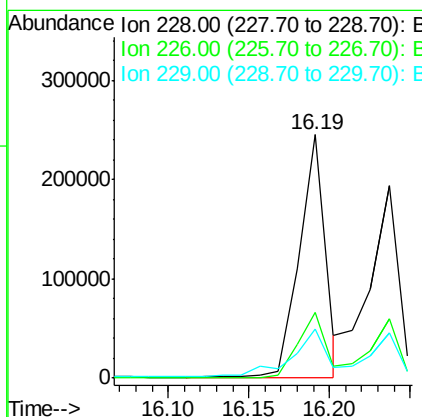
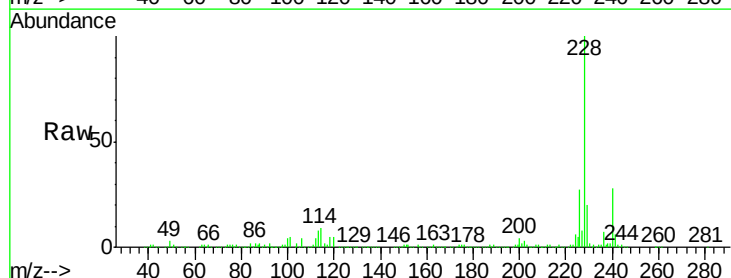
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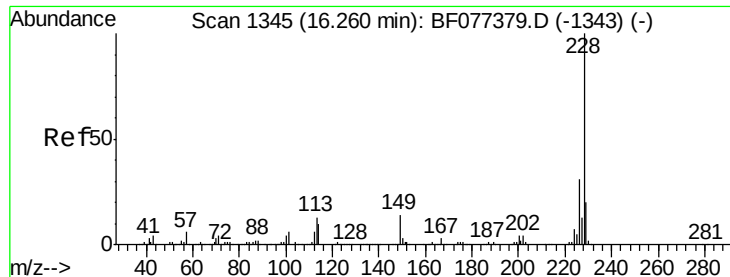
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#80
 Benzo(a)anthracene
 Concen: 20.32 ng m
 RT: 16.19 min Scan# 1339
 Delta R.T. -0.02 min
 Lab File: BF077412.D
 Acq: 24 Feb 2015 12:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	27.0	22.0	33.0
229	20.0	15.8	23.8





#82

Chrysene

Concen: 19.10 ng m

RT: 16.24 min Scan# 1343

Delta R.T. -0.02 min

Lab File: BF077412.D

Acq: 24 Feb 2015 12:42

Instrument :

BNA_F

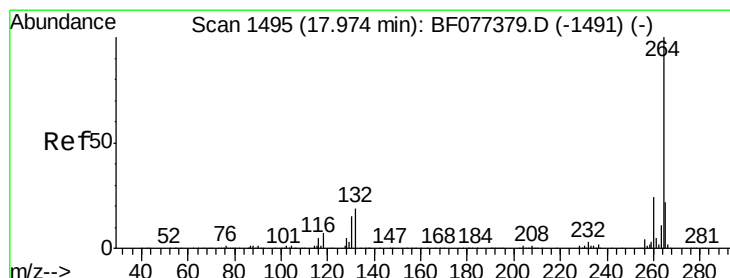
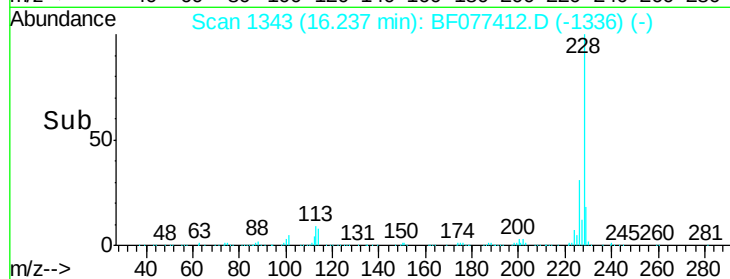
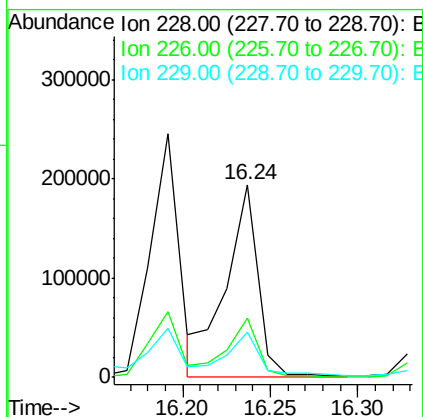
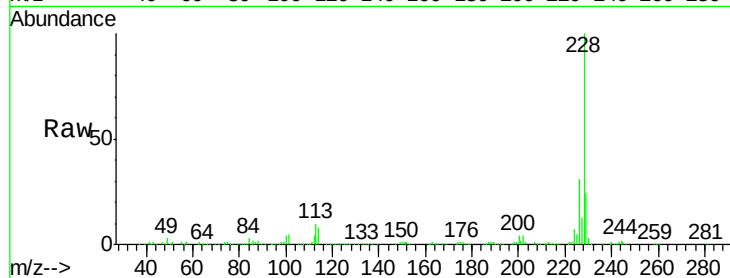
ClientSampleId :

HF-3DL

Tgt Ion:	228	Resp:	249267
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.9	37.3
229	23.6	16.4	24.6

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#86

Perylene-d12

Concen: 20.00 ng

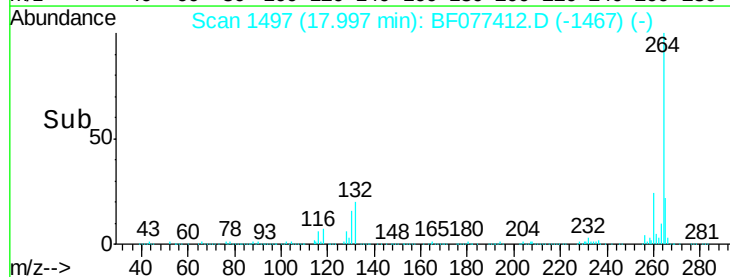
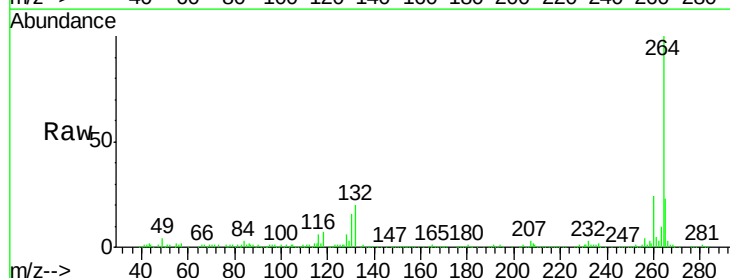
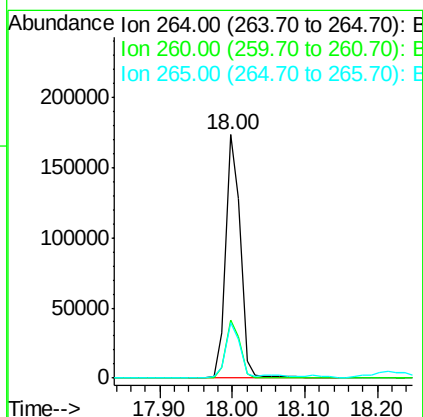
RT: 18.00 min Scan# 1497

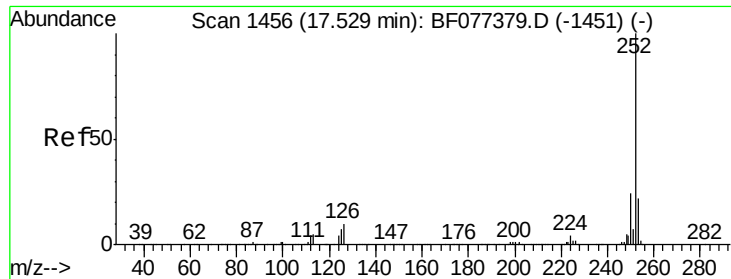
Delta R.T. 0.05 min

Lab File: BF077412.D

Acq: 24 Feb 2015 12:42

Tgt Ion:	264	Resp:	245220
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.3	28.9
265	22.6	16.8	25.2





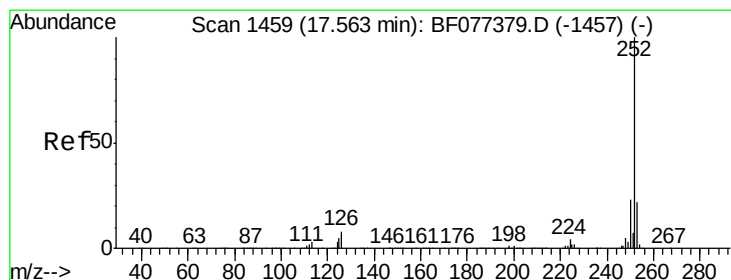
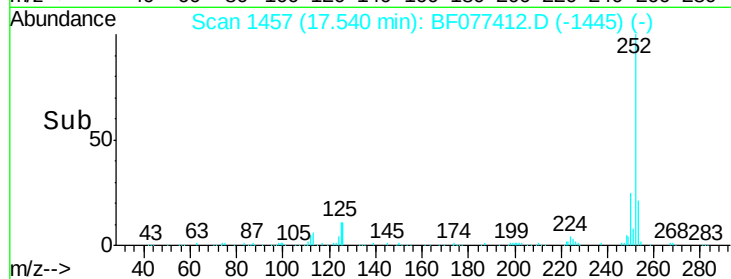
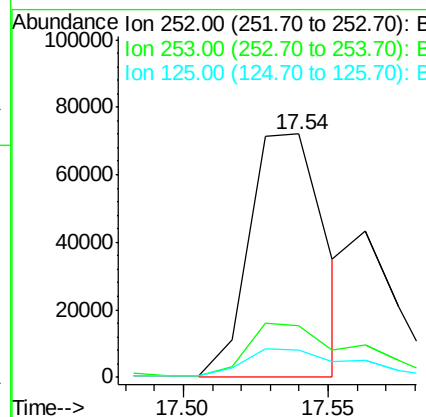
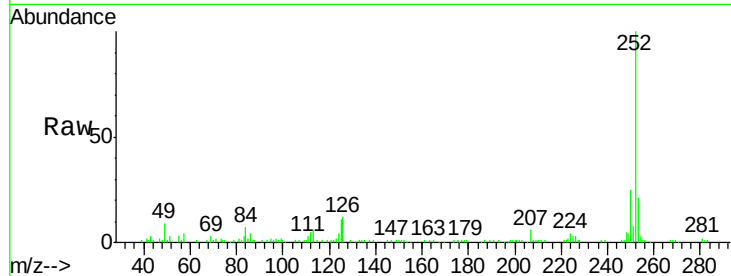
#87
Benzo(b)fluoranthene
Concen: 9.10 ng m
RT: 17.54 min Scan# 1457
Delta R.T. 0.03 min
Lab File: BF077412.D
Acq: 24 Feb 2015 12:42

Instrument :
BNA_F
ClientSampleId :
HF-3DL

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	129815		
253	21.4	17.6	26.4	
125	11.3	5.4	8.2	

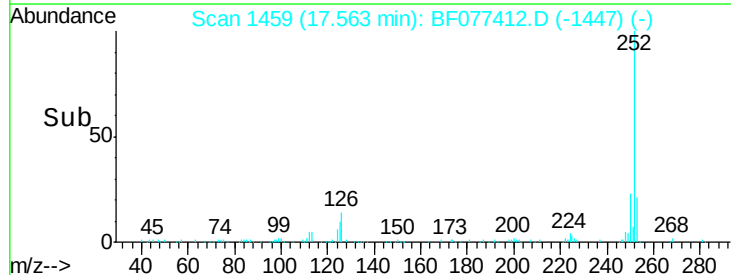
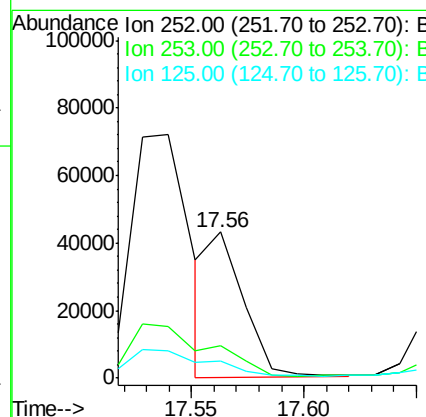
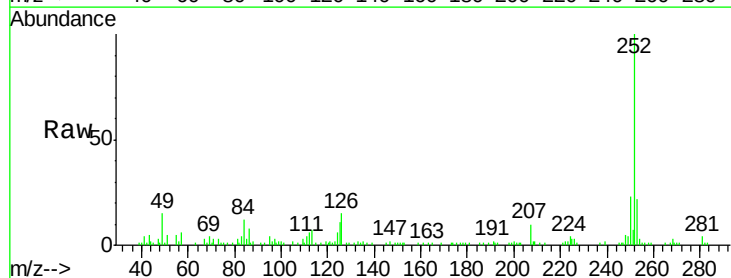
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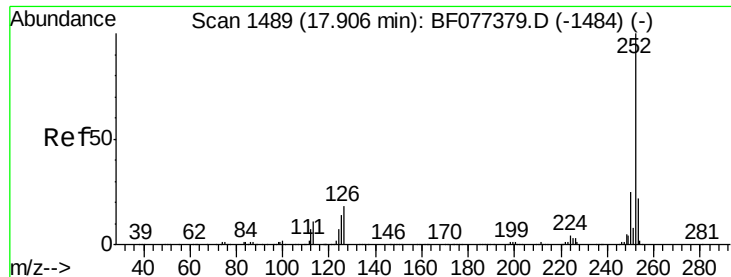
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#88
Benzo(k)fluoranthene
Concen: 3.38 ng m
RT: 17.56 min Scan# 1459
Delta R.T. 0.03 min
Lab File: BF077412.D
Acq: 24 Feb 2015 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	47292		
253	21.9	18.1	27.1	
125	11.3	10.1	15.1	





#89
 Benzo(a)pyrene
 Concen: 6.01 ng
 RT: 17.93 min Scan# 1491
 Delta R.T. 0.05 min
 Lab File: BF077412.D
 Acq: 24 Feb 2015 12:42

Instrument :
 BNA_F
 ClientSampleId :
 HF-3DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	13.0	8.3	12.5

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