

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022415\
 Data File : BF077414.D
 Acq On : 24 Feb 2015 13:38
 Operator : IZ / TP
 Sample : G1345-08DL 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UB10PX3DL

Manual Integrations
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Quant Time: Feb 25 10:33:39 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	45434	20.00	ng	-0.03
21) Naphthalene-d8	8.88	136	186869	20.00	ng	-0.03
38) Acenaphthene-d10	11.05	164	95323	20.00	ng	-0.05
63) Phenanthrene-d10	12.90	188	199480	20.00	ng	-0.03
75) Chrysene-d12	16.21	240	210785	20.00	ng	-0.01
86) Perylene-d12	18.04	264	237039	20.00	ng	0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	141227	51.89	ng	-0.03
7) Phenol-d6	6.85	99	186296	53.24	ng	-0.02
23) Nitrobenzene-d5	7.98	82	101398	33.74	ng	-0.05
41) 2,4,6-Tribromophenol	12.03	330	49229	53.64	ng	-0.03
44) 2-Fluorobiphenyl	10.23	172	246167	40.27	ng	-0.03
78) Terphenyl-d14	14.89	244	271929	30.16	ng	-0.05
Target Compounds						Qvalue
31) Naphthalene	8.90	128	21346	2.28	ng	98
48) Acenaphthylene	10.88	152	20415	2.28	ng	98
49) Dimethylphthalate	10.73	163	18842	2.81	ng	98
51) Acenaphthene	11.09	154	21299	3.98	ng	98
54) Dibenzofuran	11.31	168	27026	3.27	ng	95
57) Fluorene	11.73	166	35160	5.32	ng	99
70) Phenanthrene	12.92	178	497877	43.06	ng	99
71) Anthracene	12.99	178	112719	9.82	ng	98
72) Carbazole	13.20	167	63922	5.86	ng	99
74) Fluoranthene	14.41	202	645695	51.13	ng	98
77) Pyrene	14.68	202	530975	41.18	ng	97
80) Benzo(a)anthracene	16.20	228	302709	24.50	ng	100
82) Chrysene	16.24	228	272215	23.47	ng	97
85) Indeno(1,2,3-cd)pyrene	19.53	276	195263m	14.76	ng	
87) Benzo(b)fluoranthene	17.56	252	384508m	27.90	ng	
88) Benzo(k)fluoranthene	17.60	252	107506m	7.96	ng	
89) Benzo(a)pyrene	17.96	252	268159	20.43	ng	# 96
90) Dibenzo(a,h)anthracene	19.55	278	42739	3.41	ng	# 87
91) Benzo(g,h,i)perylene	19.96	276	182303	14.43	ng	97

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

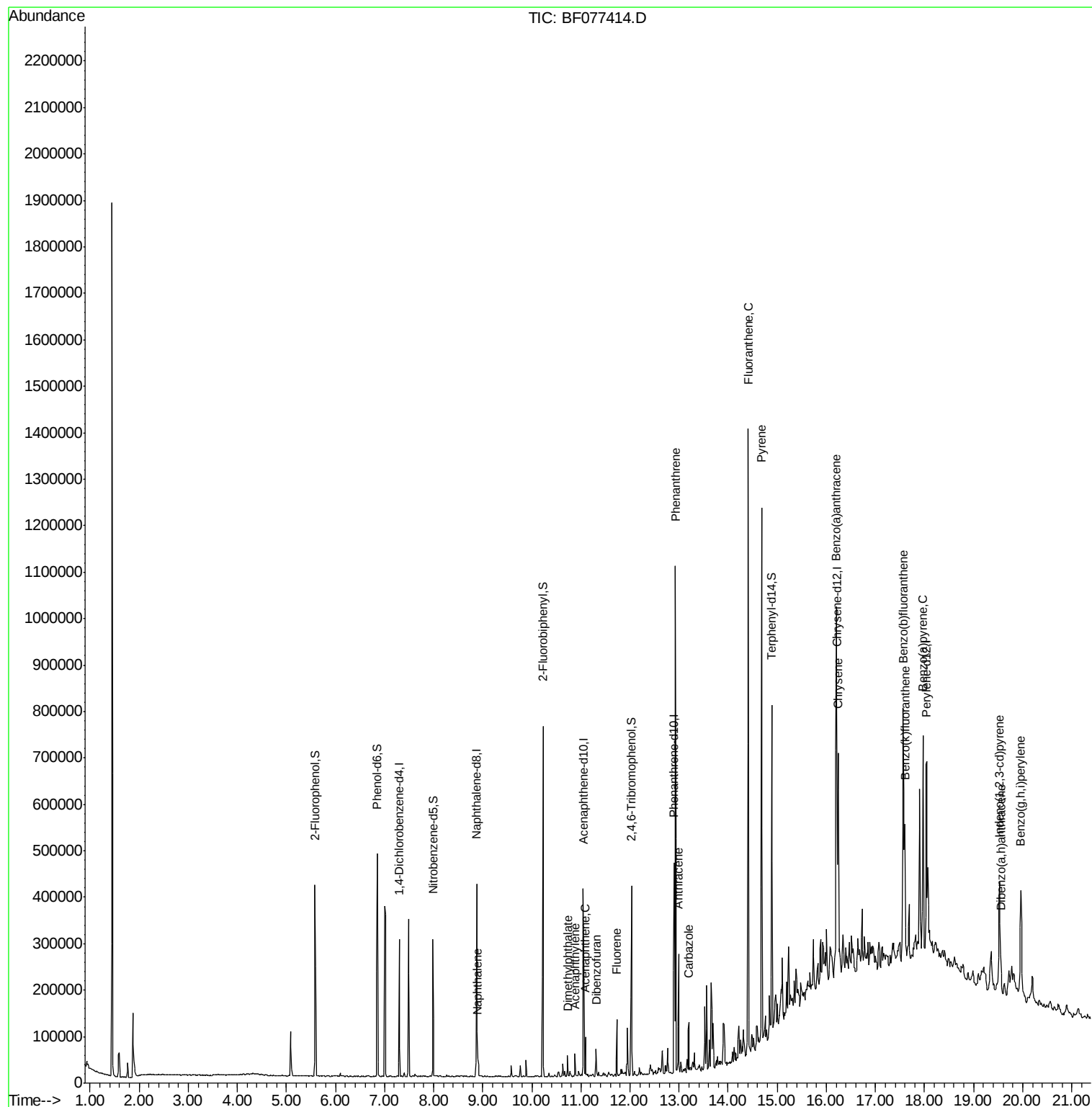
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022415\
Data File : BF077414.D
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Sample : G1345-08DL 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

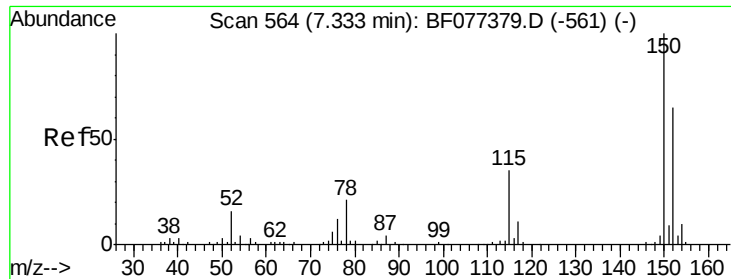
Instrument :
BNA_F
ClientSampled :
UB10PX3DL

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

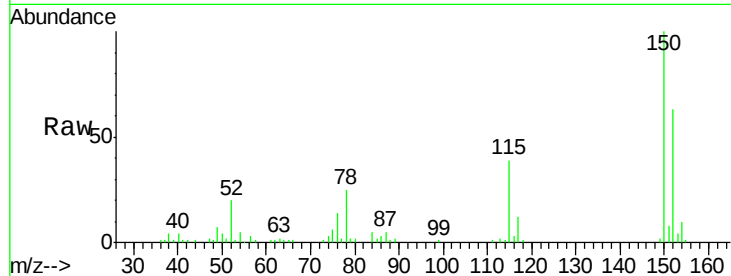
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.30 min Scan# 561
Delta R.T. -0.03 min
Lab File: BF077414.D
Acq: 24 Feb 2015 13:38

Instrument :
BNA_F
ClientSampled :
UB10PX3DL

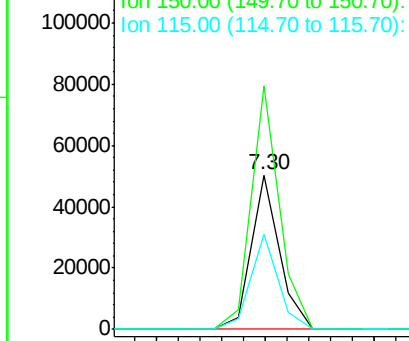
Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.9	124.0	186.0
115	62.0	49.4	74.2

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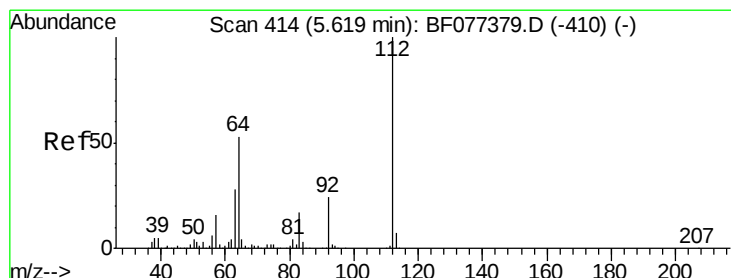
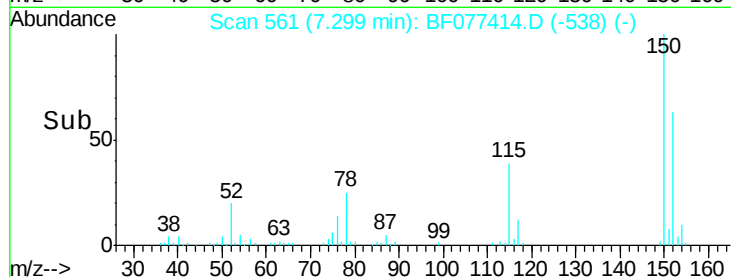
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



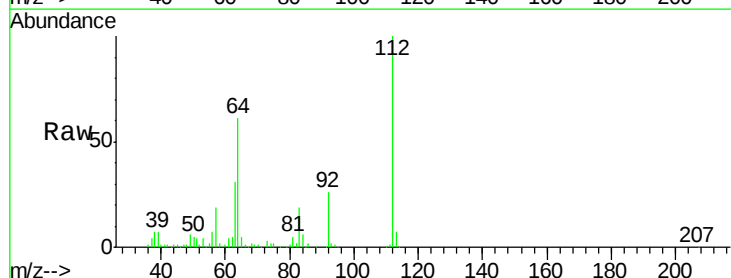
Time-->



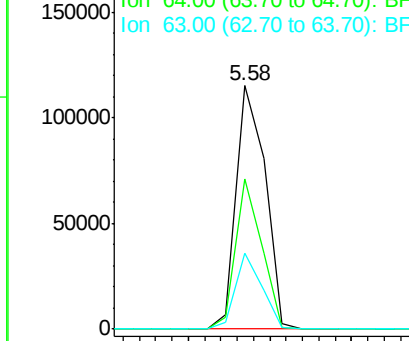
#5

2-Fluorophenol
Concen: 51.89 ng
RT: 5.58 min Scan# 411
Delta R.T. -0.03 min
Lab File: BF077414.D
Acq: 24 Feb 2015 13:38

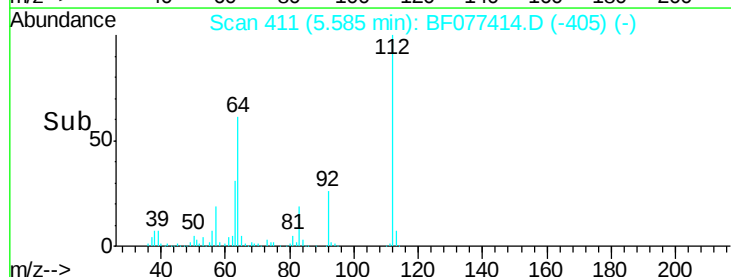
Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.4	48.5	72.7
63	31.3	25.0	37.4

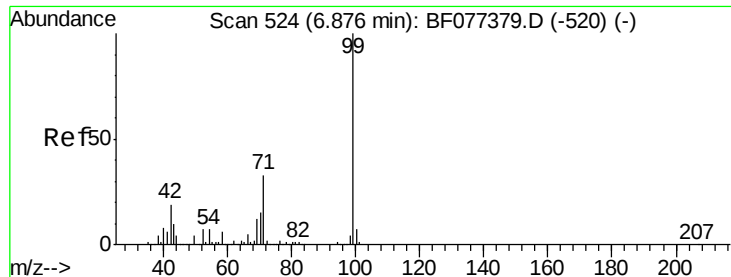


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0



Time-->





#7

Phenol-d6

Concen: 53.24 ng

RT: 6.85 min Scan# 522

Delta R.T. -0.02 min

Lab File: BF077414.D

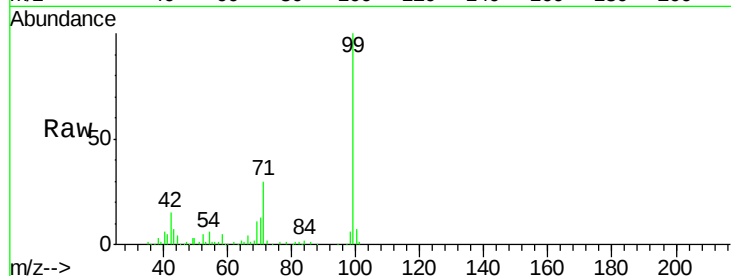
Acq: 24 Feb 2015 13:38

Instrument :

BNA_F

ClientSampleId :

UB10PX3DL



Tgt Ion: 99 Resp: 186296

Ion Ratio Lower Upper

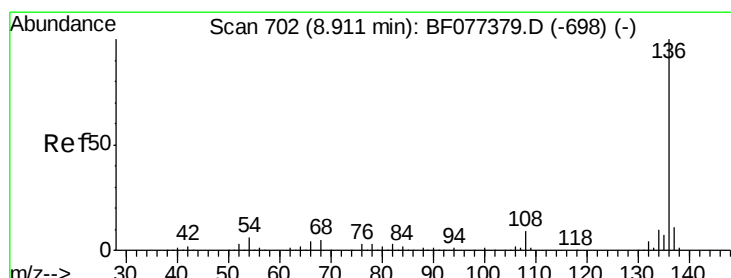
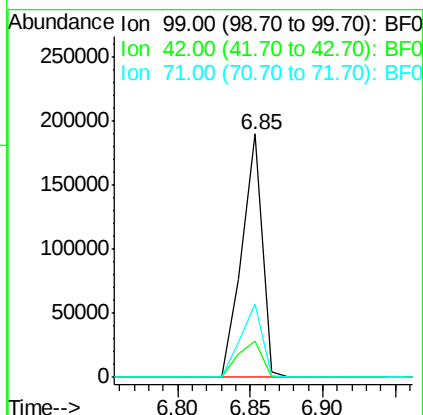
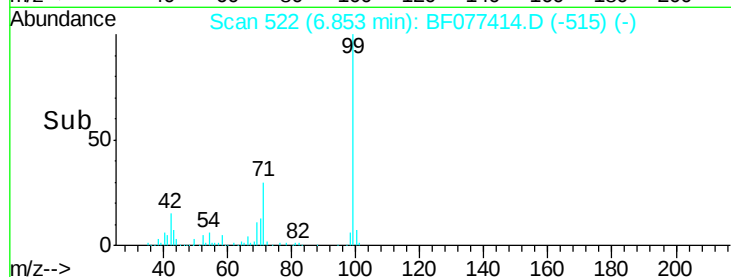
99 100

42 15.1 16.2 24.4#

71 29.9 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: BF077414.D

Acq: 24 Feb 2015 13:38

Tgt Ion: 136 Resp: 186869

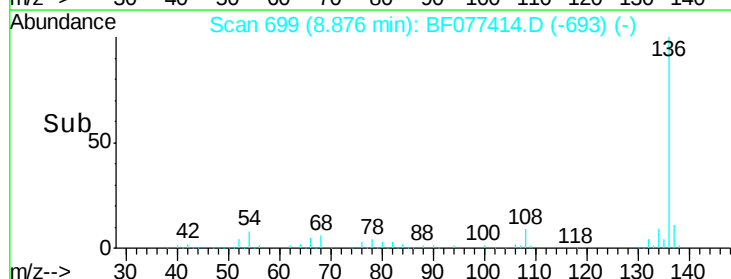
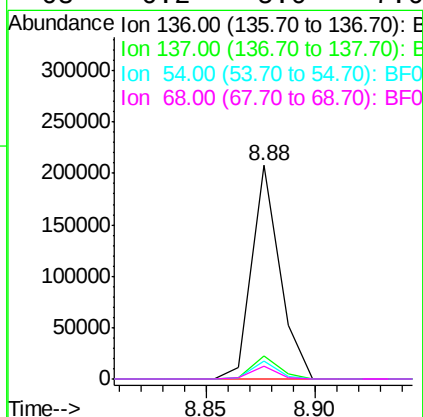
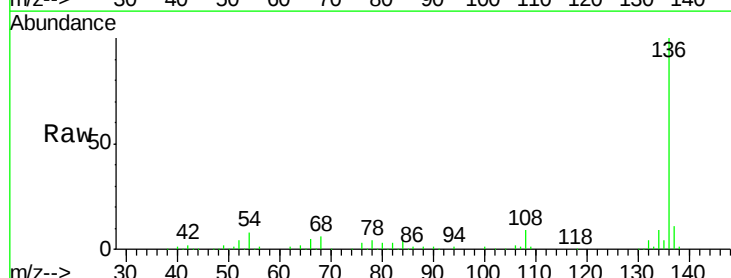
Ion Ratio Lower Upper

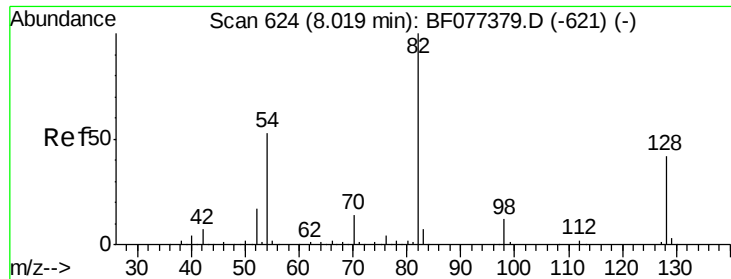
136 100

137 10.8 8.6 13.0

54 8.2 6.2 9.4

68 6.2 5.0 7.6





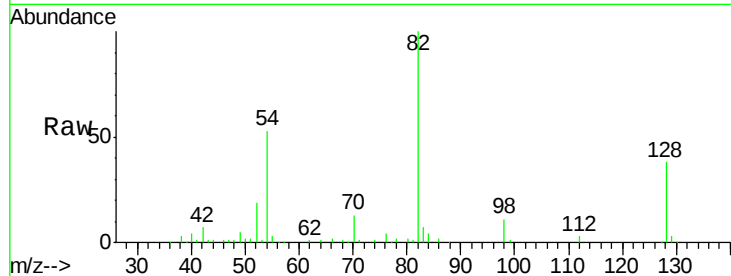
#23
 Nitrobenzene-d5
 Concen: 33.74 ng
 RT: 7.98 min Scan# 621
 Delta R.T. -0.05 min
 Lab File: BF077414.D
 Acq: 24 Feb 2015 13:38

Instrument :
 BNA_F
 ClientSampleId :
 UB10PX3DL

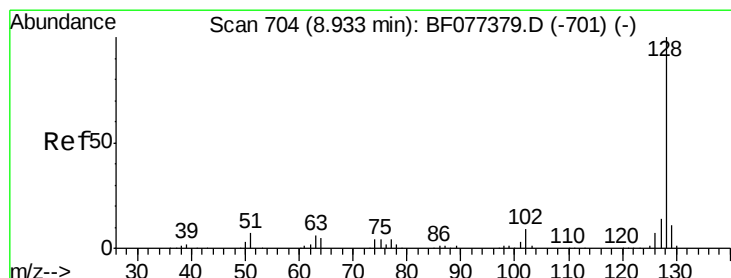
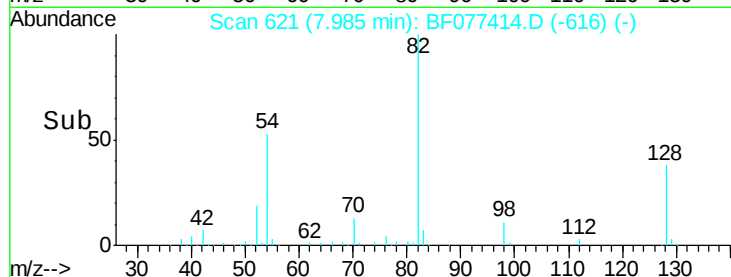
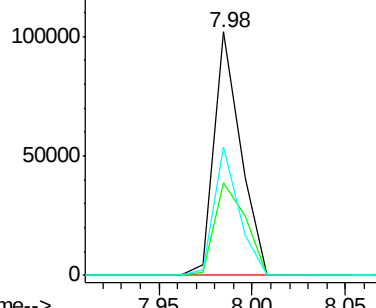
Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	38.1	43.8	65.8#
54	52.8	36.7	55.1

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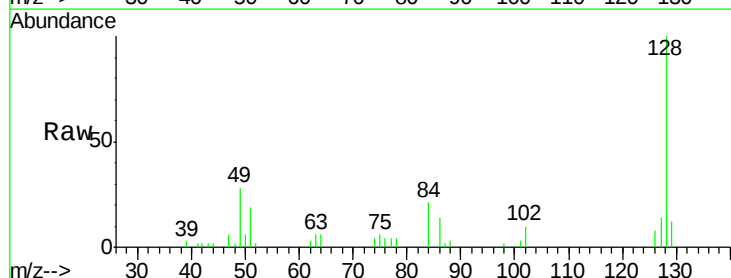


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

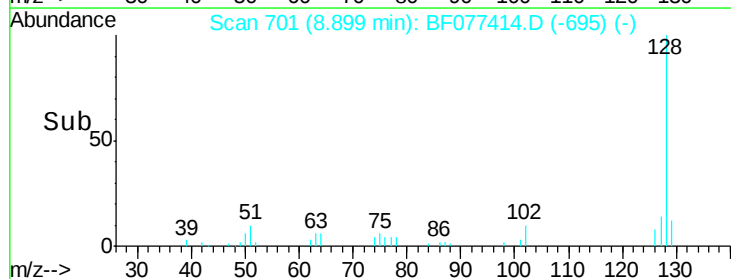
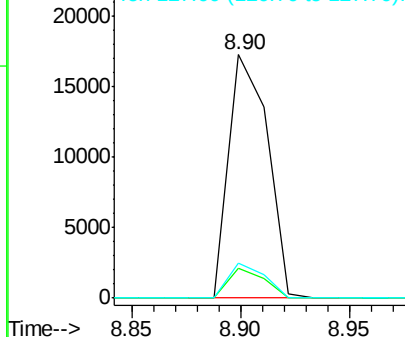


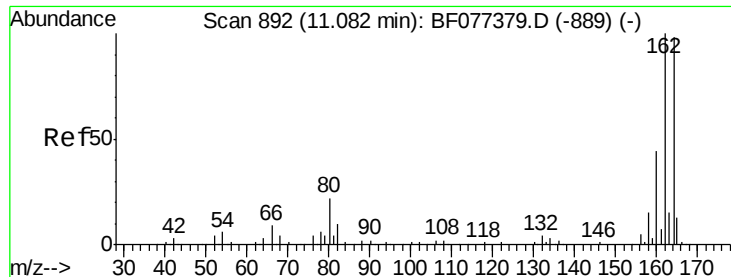
#31
 Naphthalene
 Concen: 2.28 ng
 RT: 8.90 min Scan# 701
 Delta R.T. -0.03 min
 Lab File: BF077414.D
 Acq: 24 Feb 2015 13:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	12.2	9.4	14.0
127	14.1	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





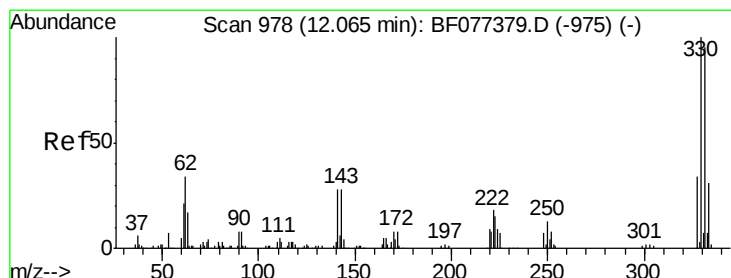
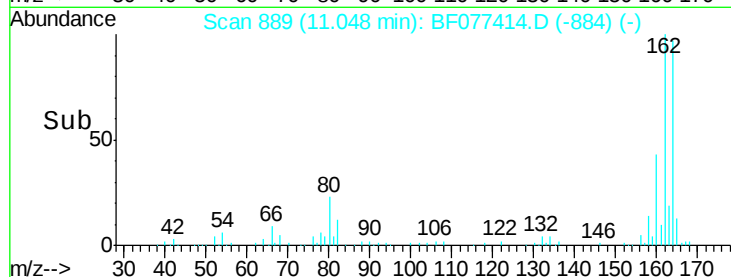
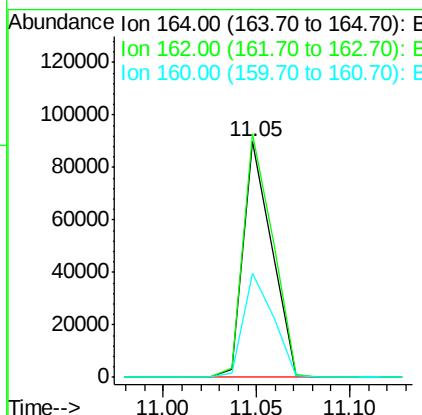
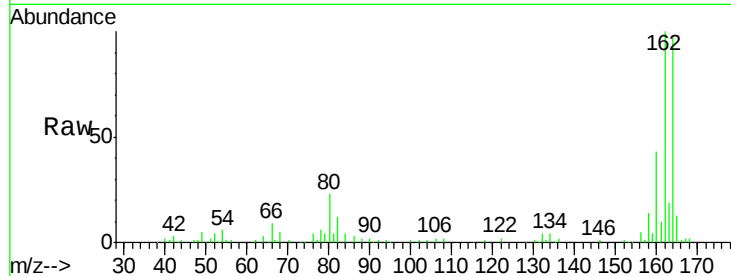
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 889
Delta R.T. -0.05 min
Lab File: BF077414.D
Acq: 24 Feb 2015 13:38

Instrument :
BNA_F
ClientSampleId :
UB10PX3DL

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	83.2	124.8
160	43.9	34.6	52.0

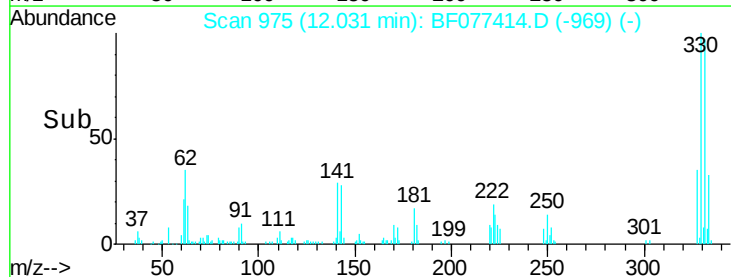
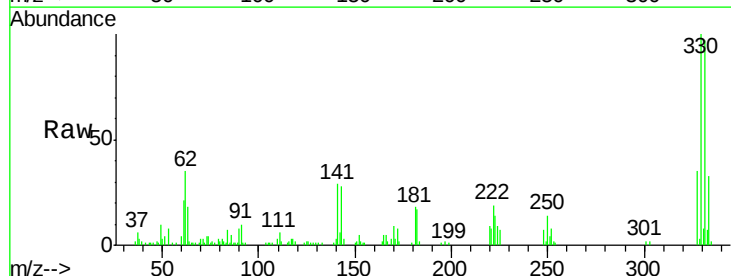
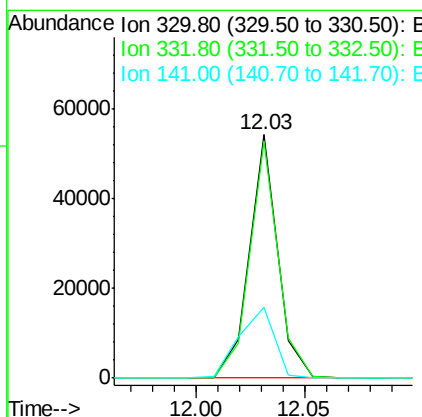
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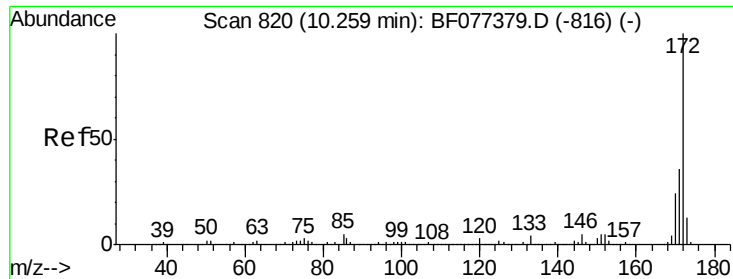
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#41
2,4,6-Tribromophenol
Concen: 53.64 ng
RT: 12.03 min Scan# 975
Delta R.T. -0.03 min
Lab File: BF077414.D
Acq: 24 Feb 2015 13:38

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.4	116.2
141	36.3	28.8	43.2





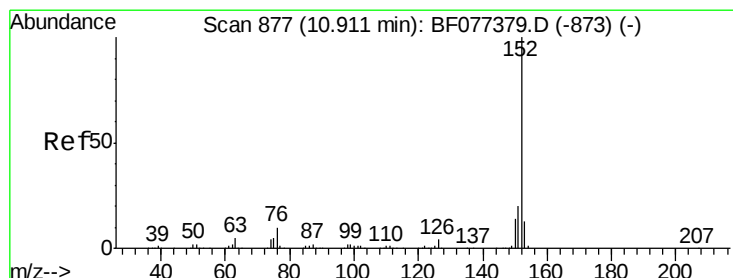
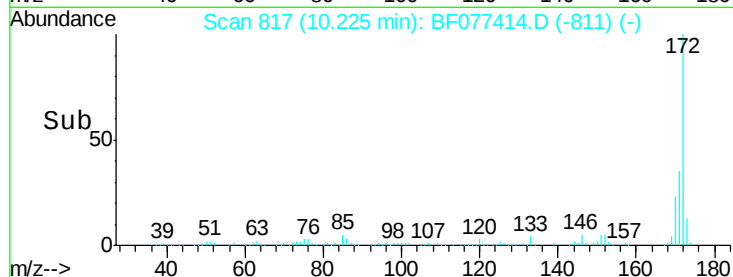
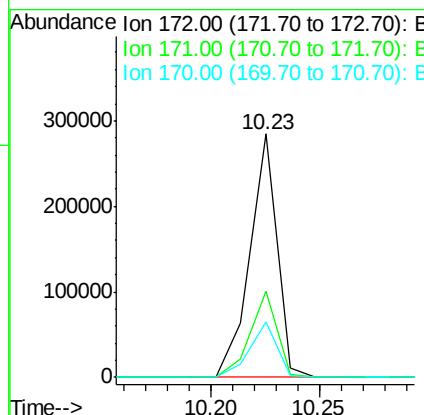
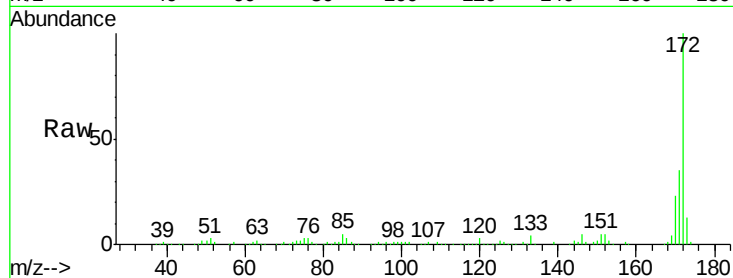
#44
2-Fluorobiphenyl
Concen: 40.27 ng
RT: 10.23 min Scan# 817
Delta R.T. -0.03 min
Lab File: BF077414.D
Acq: 24 Feb 2015 13:38

Instrument :
BNA_F
ClientSampleId :
UB10PX3DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	35.3	28.9	43.3
170	23.0	19.4	29.2

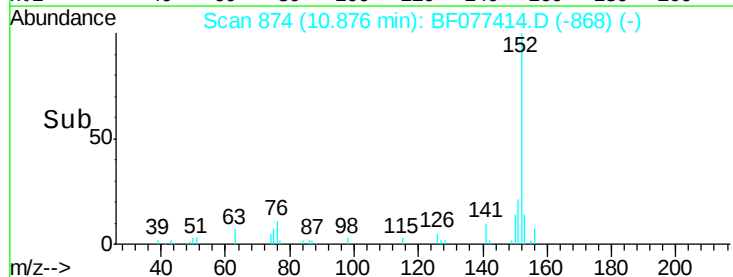
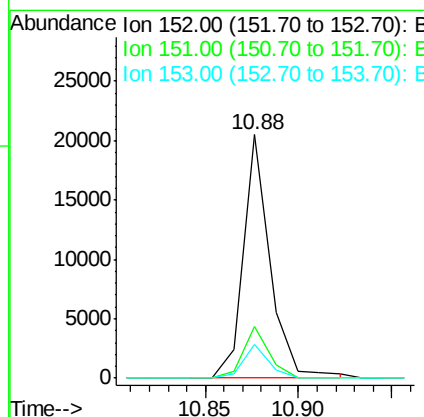
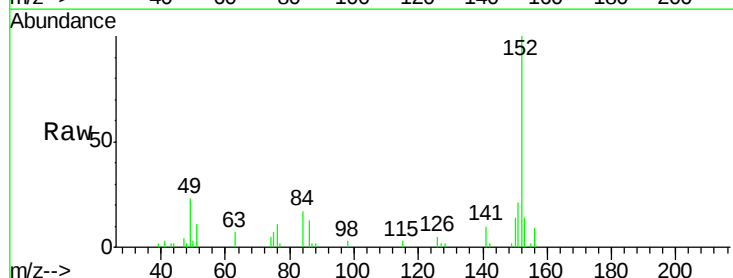
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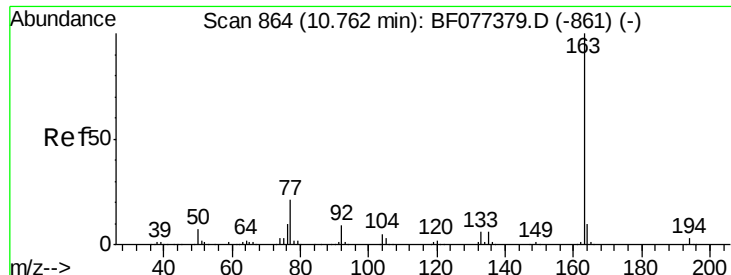
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#48
Acenaphthylene
Concen: 2.28 ng
RT: 10.88 min Scan# 874
Delta R.T. -0.03 min
Lab File: BF077414.D
Acq: 24 Feb 2015 13:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
152	100		
151	21.3	16.1	24.1
153	13.8	10.9	16.3





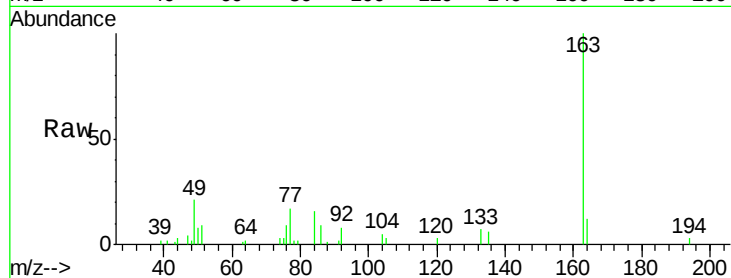
#49
Dimethylphthalate
Concen: 2.81 ng
RT: 10.73 min Scan# 861
Delta R.T. -0.03 min
Lab File: BF077414.D
Acq: 24 Feb 2015 13:38

Instrument :
BNA_F
ClientSampleId :
UB10PX3DL

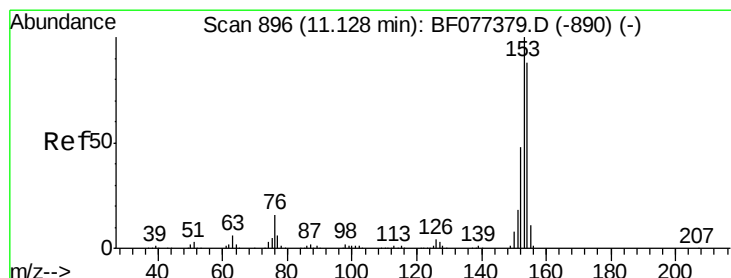
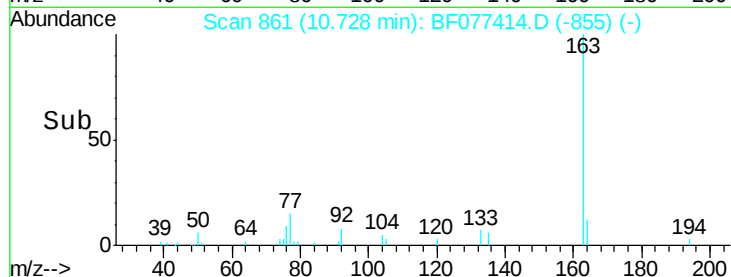
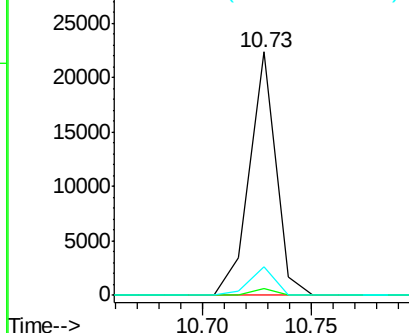
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	18842		
194	2.9	2.6	4.0	
164	11.7	8.6	13.0	

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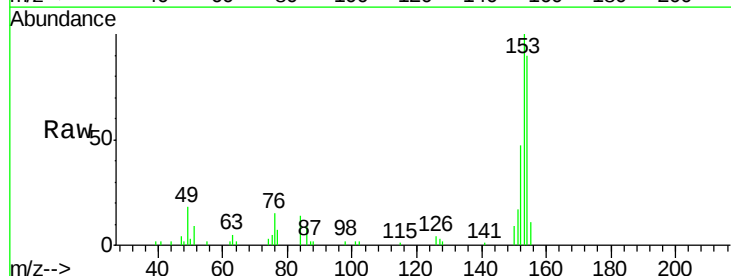


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

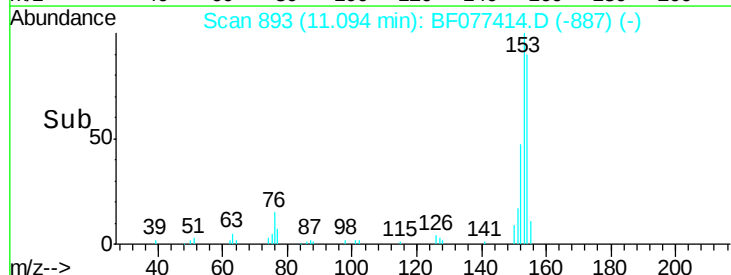
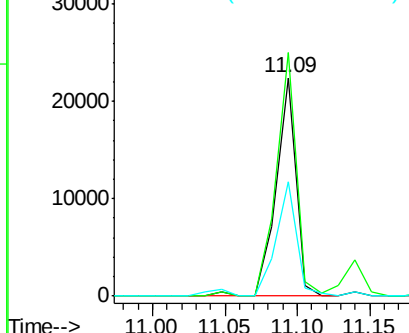


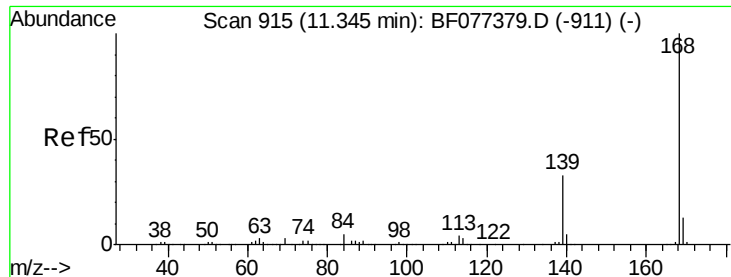
#51
Acenaphthene
Concen: 3.98 ng
RT: 11.09 min Scan# 893
Delta R.T. -0.03 min
Lab File: BF077414.D
Acq: 24 Feb 2015 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	21299		
153	111.6	90.5	135.7	
152	52.6	43.5	65.3	



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





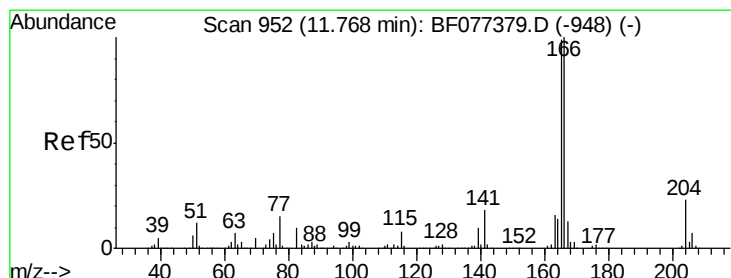
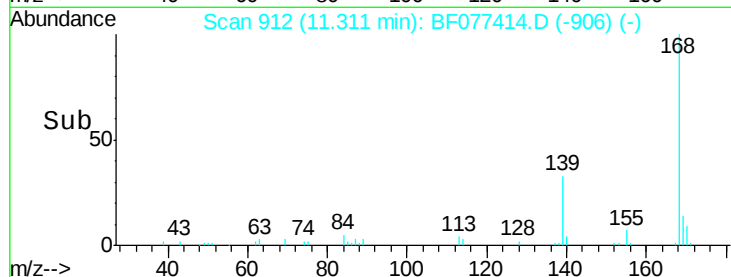
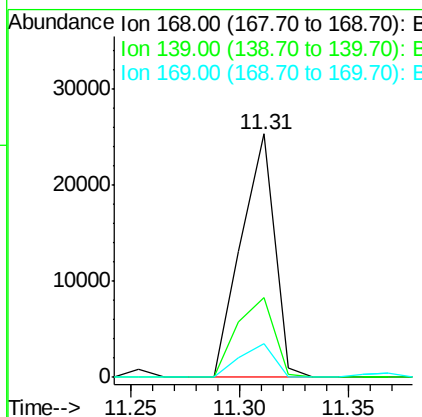
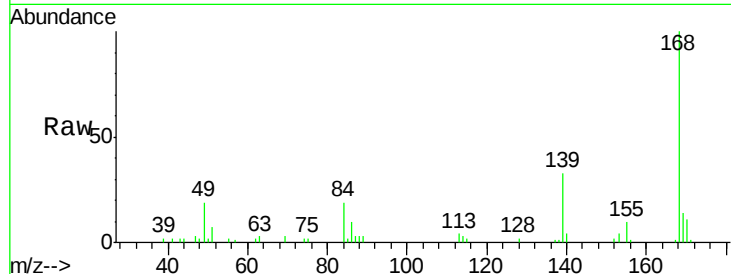
#54
Dibenzenofuran
Concen: 3.27 ng
RT: 11.31 min Scan# 912
Delta R.T. -0.03 min
Lab File: BF077414.D
Acq: 24 Feb 2015 13:38

Instrument :
BNA_F
ClientSampleId :
UB10PX3DL

Tgt Ion	Ratio	Lower	Upper
168	100		
139	32.6	29.3	43.9
169	13.9	10.9	16.3

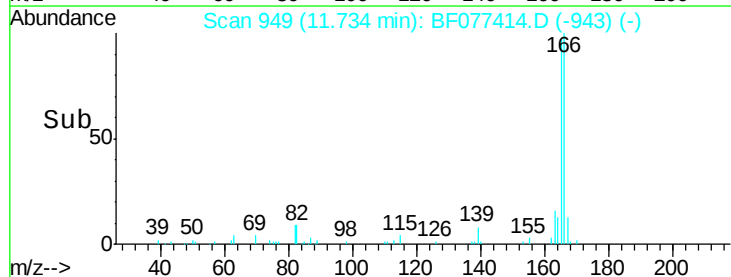
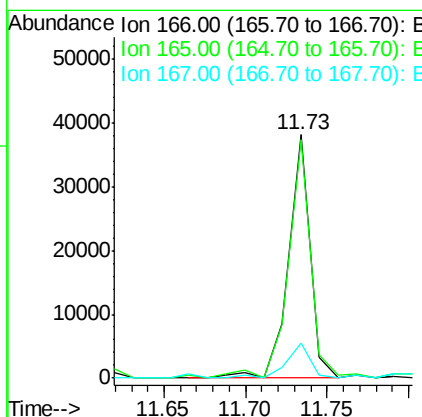
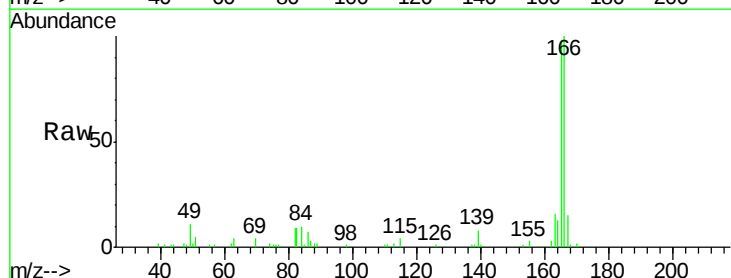
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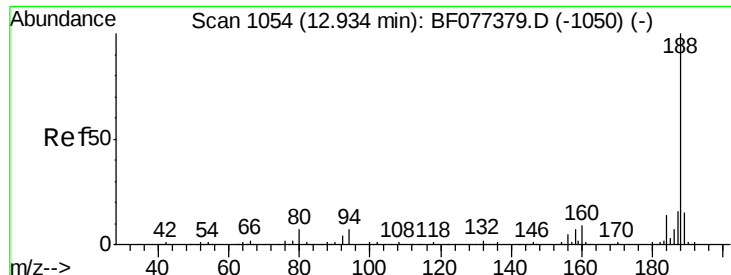
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#57
Fluorene
Concen: 5.32 ng
RT: 11.73 min Scan# 949
Delta R.T. -0.03 min
Lab File: BF077414.D
Acq: 24 Feb 2015 13:38

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.7	77.6	116.4
167	14.5	10.6	16.0





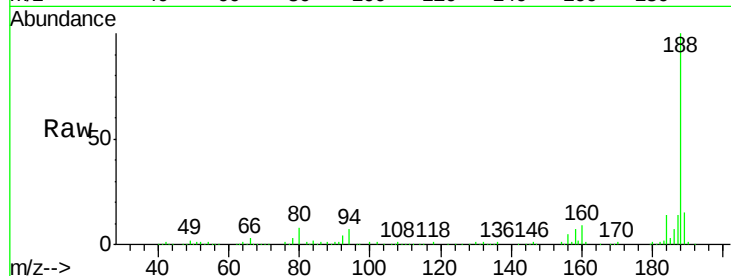
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.90 min Scan# 1051
Delta R.T. -0.03 min
Lab File: BF077414.D
Acq: 24 Feb 2015 13:38

Instrument :
BNA_F
ClientSampleID :
UB10PX3DL

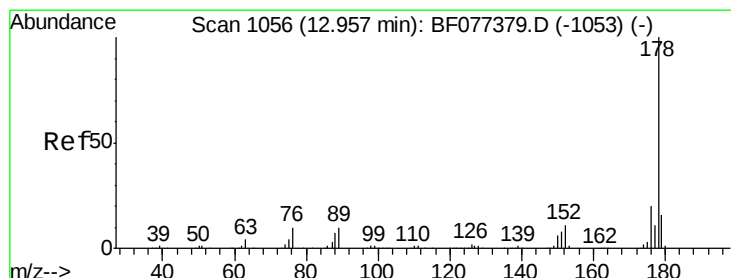
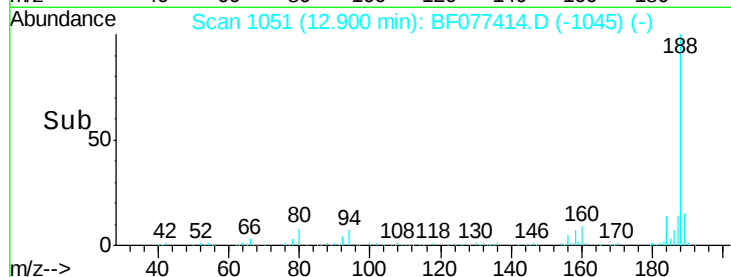
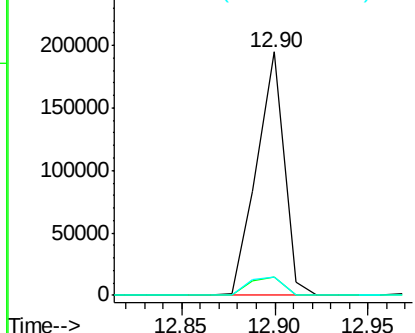
Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	7.5	7.4	11.2
80	7.7	8.0	12.0

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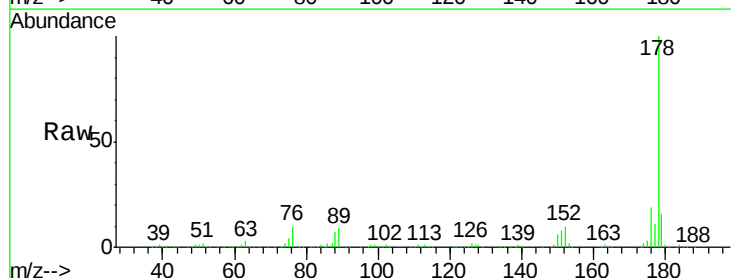


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

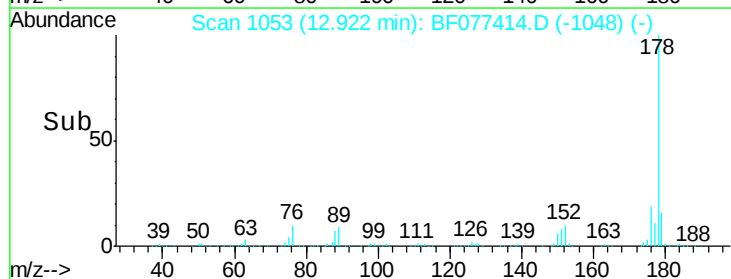
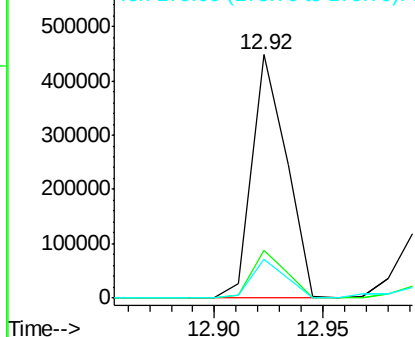


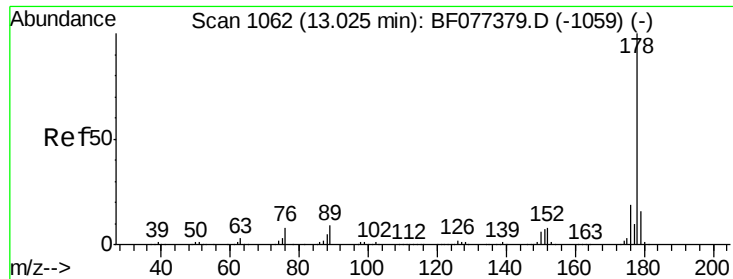
#70
Phenanthrene
Concen: 43.06 ng
RT: 12.92 min Scan# 1053
Delta R.T. -0.05 min
Lab File: BF077414.D
Acq: 24 Feb 2015 13:38

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



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





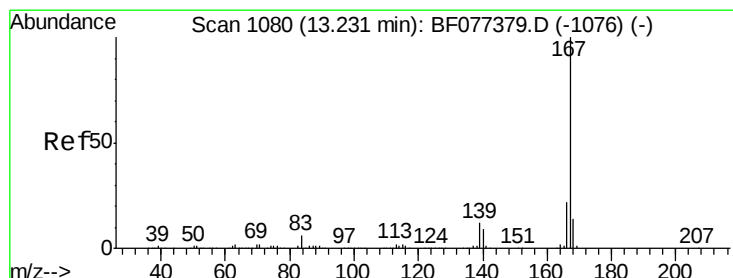
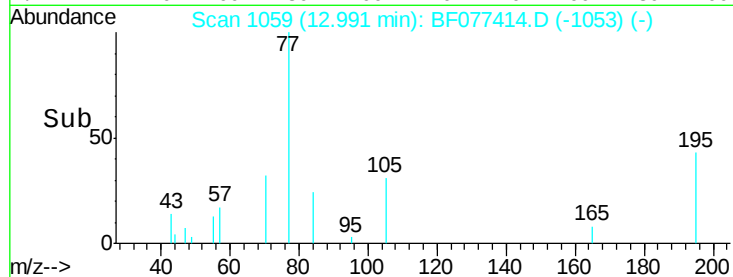
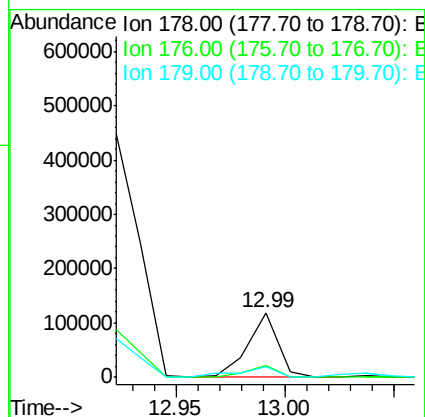
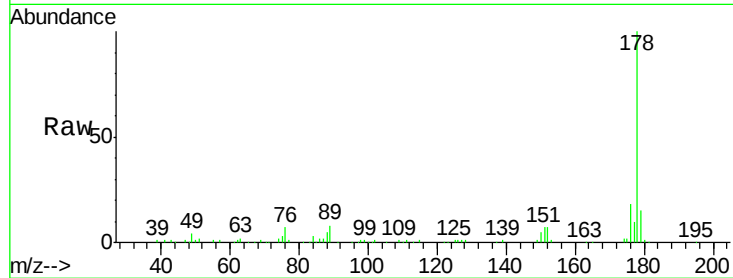
#71
 Anthracene
 Concen: 9.82 ng
 RT: 12.99 min Scan# 1059
 Delta R.T. -0.03 min
 Lab File: BF077414.D
 Acq: 24 Feb 2015 13:38

Instrument :
 BNA_F
 ClientSampleId :
 UB10PX3DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.0
179	15.5	12.9	19.3

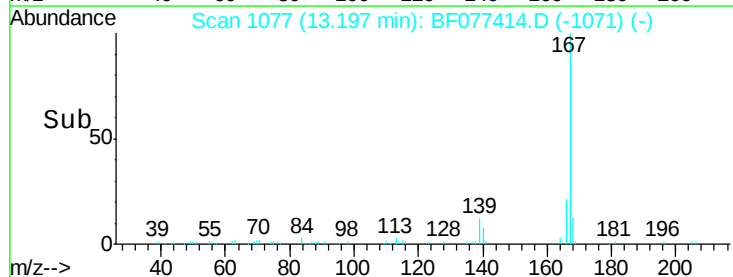
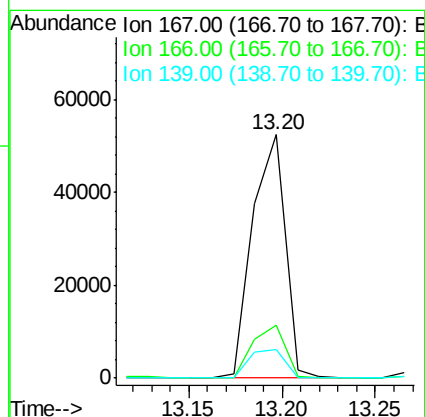
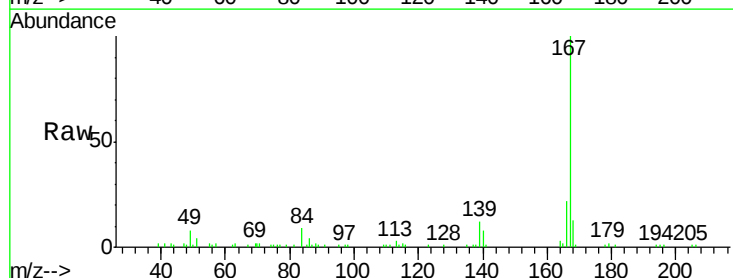
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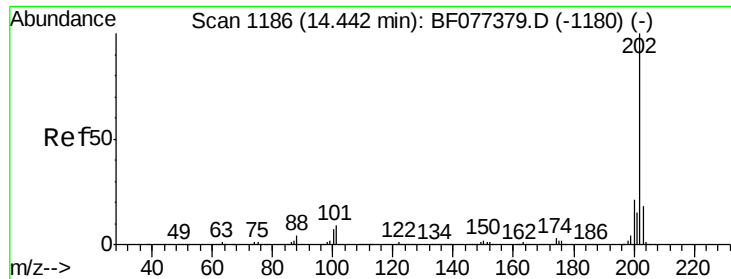
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#72
 Carbazole
 Concen: 5.86 ng
 RT: 13.20 min Scan# 1077
 Delta R.T. -0.03 min
 Lab File: BF077414.D
 Acq: 24 Feb 2015 13:38

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.6	26.4
139	11.8	9.9	14.9





#74

Fluoranthene

Concen: 51.13 ng

RT: 14.41 min Scan# 1183

Delta R.T. -0.03 min

Lab File: BF077414.D

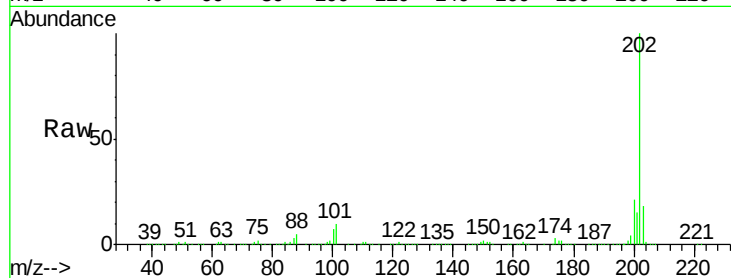
Acq: 24 Feb 2015 13:38

Instrument :

BNA_F

ClientSampleId :

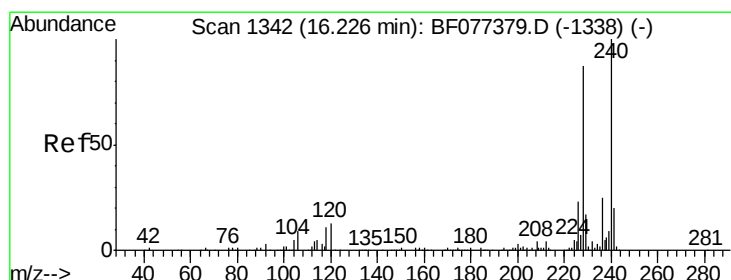
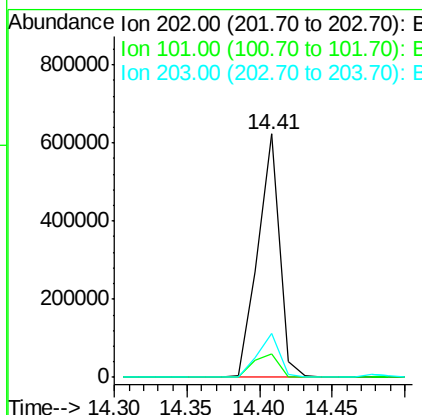
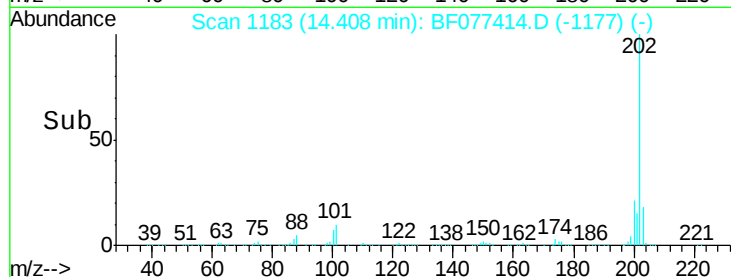
UB10PX3DL



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	645695		
101	9.8	0.0	30.8	
203	18.2	0.0	37.7	

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#75

Chrysene-d12

Concen: 20.00 ng

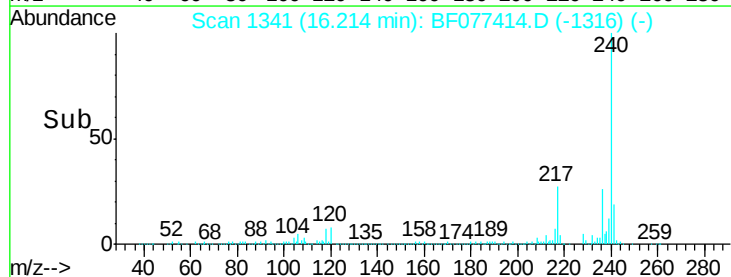
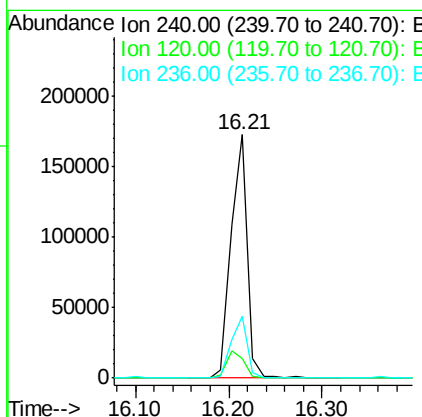
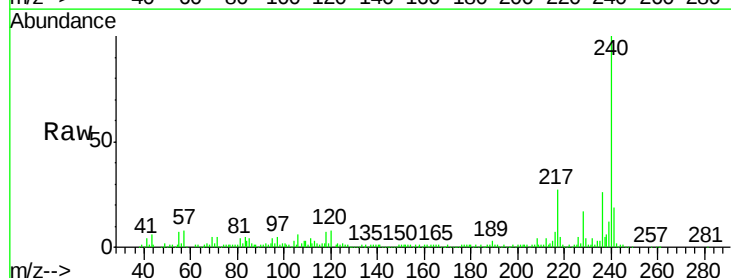
RT: 16.21 min Scan# 1341

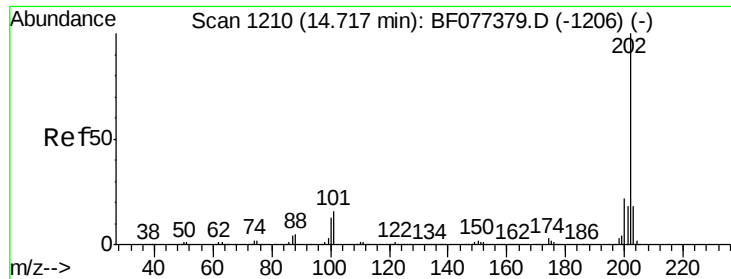
Delta R.T. -0.01 min

Lab File: BF077414.D

Acq: 24 Feb 2015 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	210785		
120	8.3	8.8	13.2#	
236	25.6	20.7	31.1	





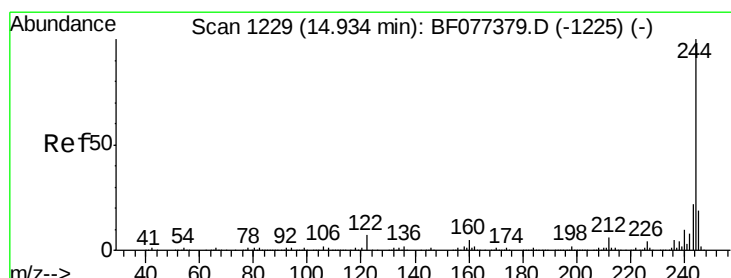
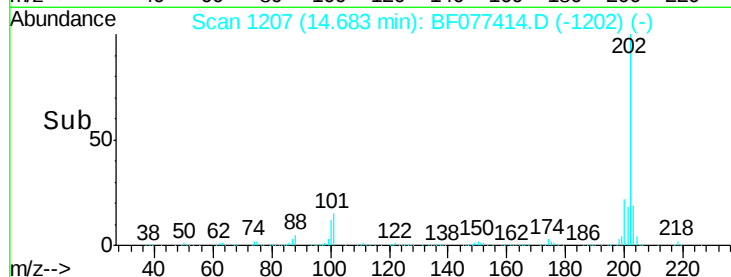
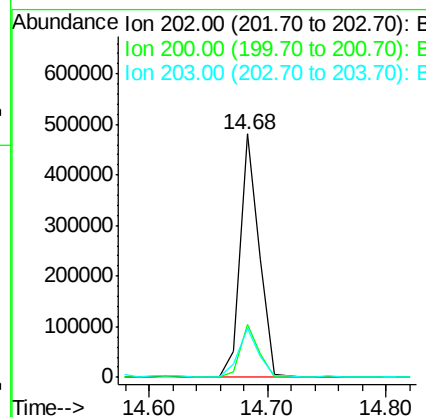
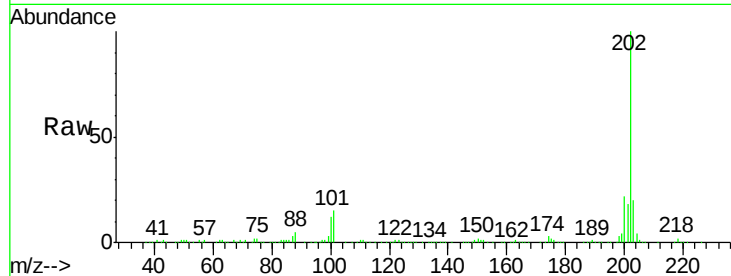
#77
Pyrene
Concen: 41.18 ng
RT: 14.68 min Scan# 1207
Delta R.T. -0.05 min
Lab File: BF077414.D
Acq: 24 Feb 2015 13:38

Instrument :
BNA_F
ClientSampleId :
UB10PX3DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.6	17.1	25.7
203	19.9	14.2	21.2

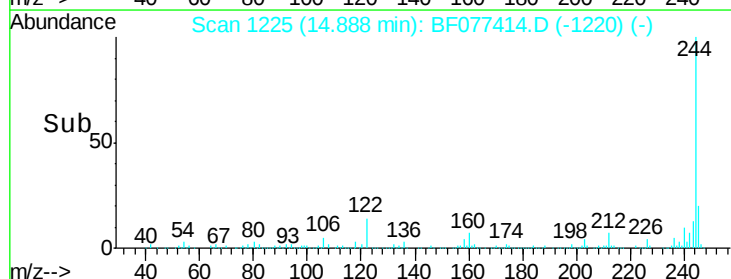
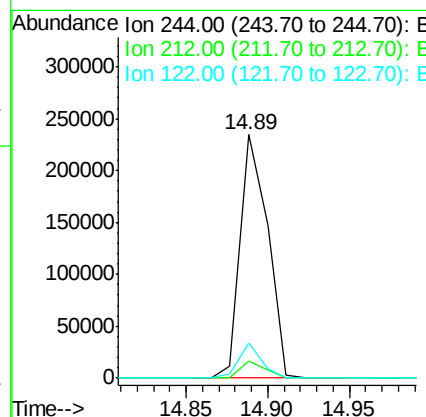
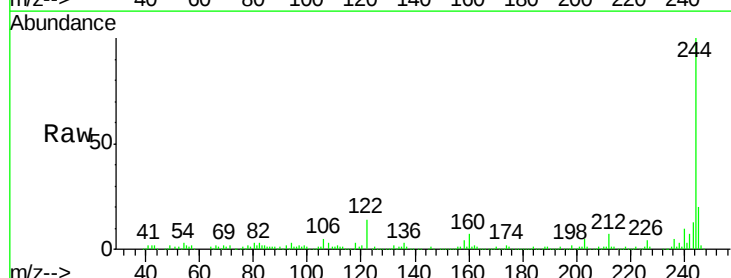
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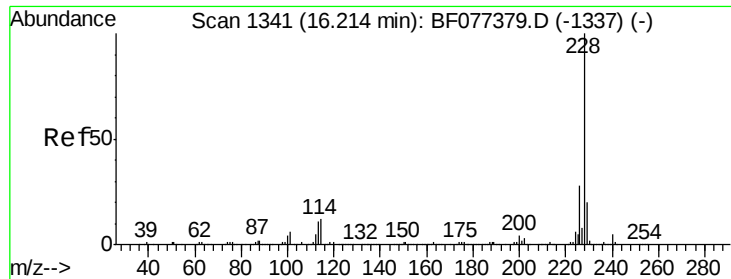
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#78
Terphenyl-d14
Concen: 30.16 ng
RT: 14.89 min Scan# 1225
Delta R.T. -0.05 min
Lab File: BF077414.D
Acq: 24 Feb 2015 13:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.9	5.2	7.8
122	14.2	7.8	11.8





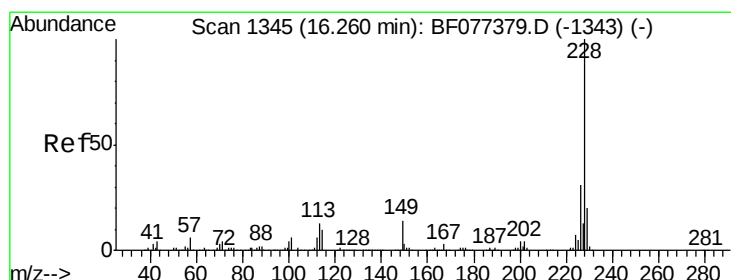
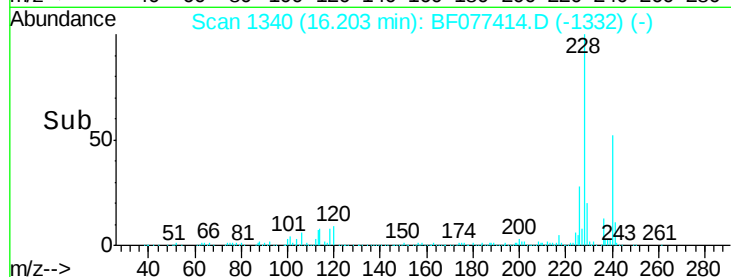
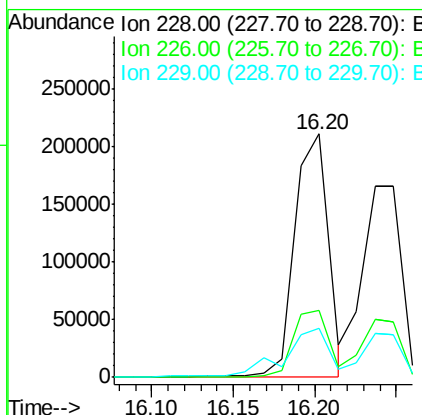
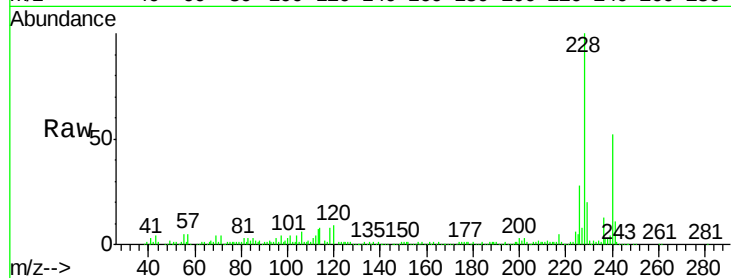
#80
Benzo(a)anthracene
Concen: 24.50 ng
RT: 16.20 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF077414.D
Acq: 24 Feb 2015 13:38

Instrument :
BNA_F
ClientSampleID :
UB10PX3DL

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	302709		
226	27.5	22.0	33.0	
229	20.2	15.8	23.8	

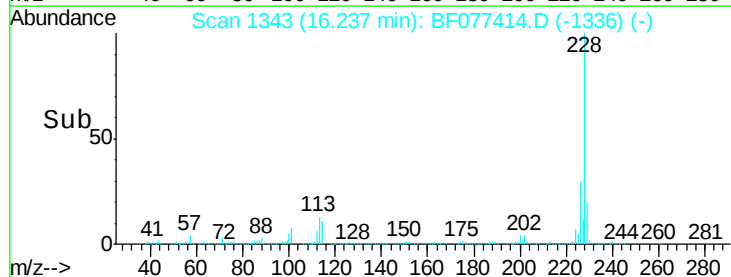
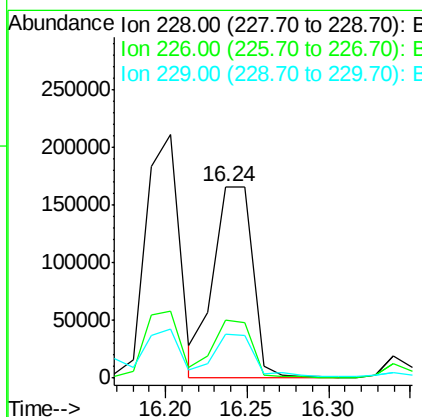
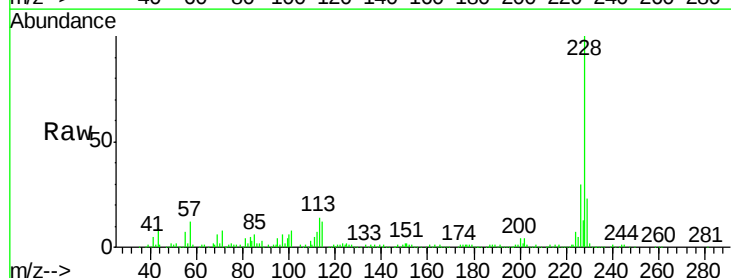
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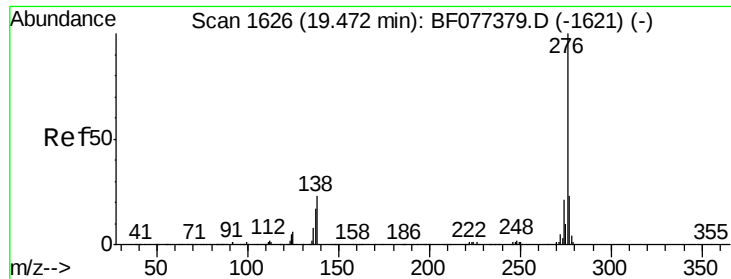
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#82
Chrysene
Concen: 23.47 ng
RT: 16.24 min Scan# 1343
Delta R.T. -0.02 min
Lab File: BF077414.D
Acq: 24 Feb 2015 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	272215		
226	30.3	24.9	37.3	
229	22.7	16.4	24.6	





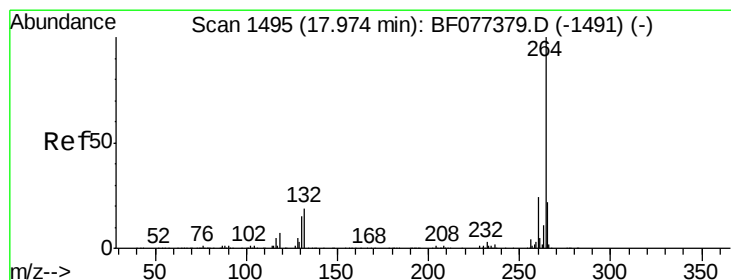
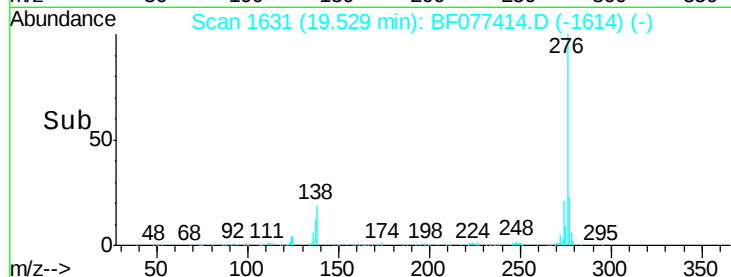
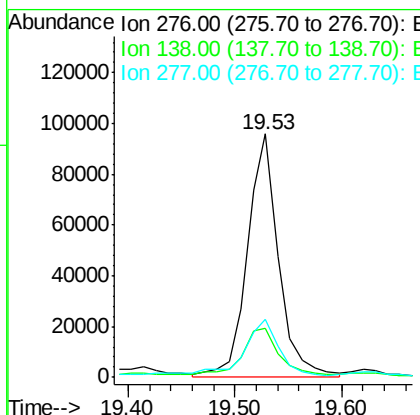
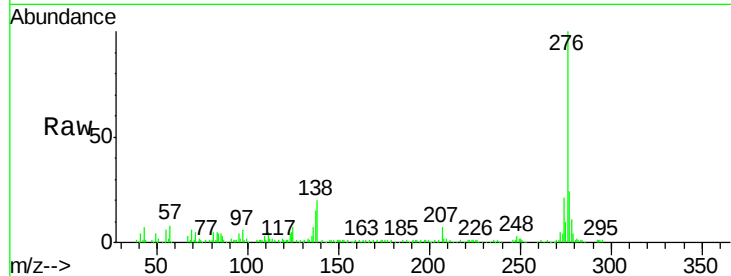
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 14.76 ng m
 RT: 19.53 min Scan# 1631
 Delta R.T. 0.09 min
 Lab File: BF077414.D
 Acq: 24 Feb 2015 13:38

Instrument :
 BNA_F
 ClientSampleId :
 UB10PX3DL

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	2.5	21.2	31.8#
277	2.7	20.0	30.0#

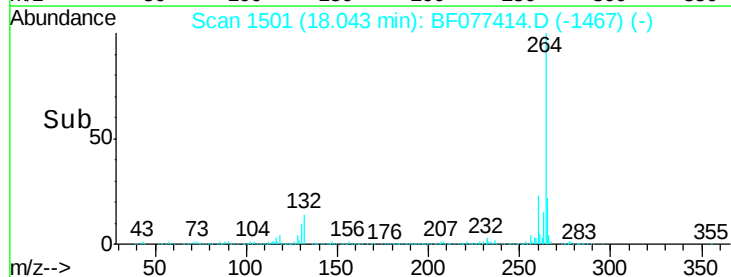
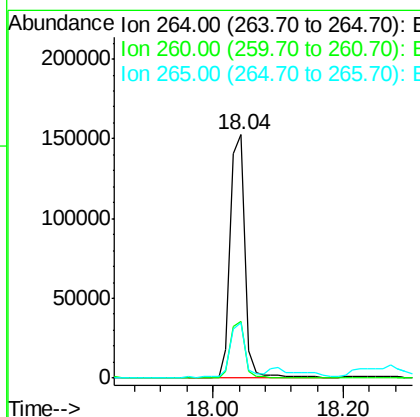
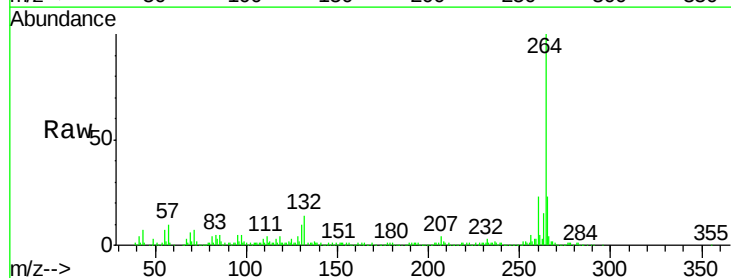
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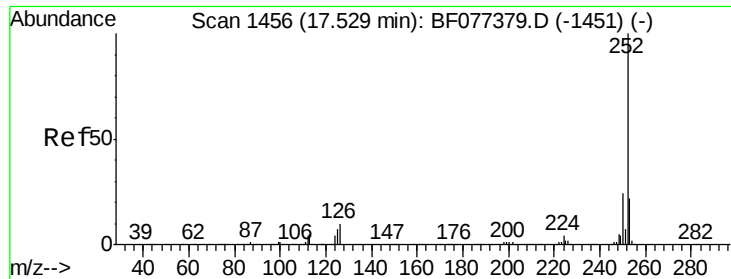
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 18.04 min Scan# 1501
 Delta R.T. 0.09 min
 Lab File: BF077414.D
 Acq: 24 Feb 2015 13:38

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.4	19.3	28.9
265	22.6	16.8	25.2





#87

Benzo(b)fluoranthene

Concen: 27.90 ng m

RT: 17.56 min Scan# 1459

Delta R.T. 0.06 min

Lab File: BF077414.D

Acq: 24 Feb 2015 13:38

Instrument :

BNA_F

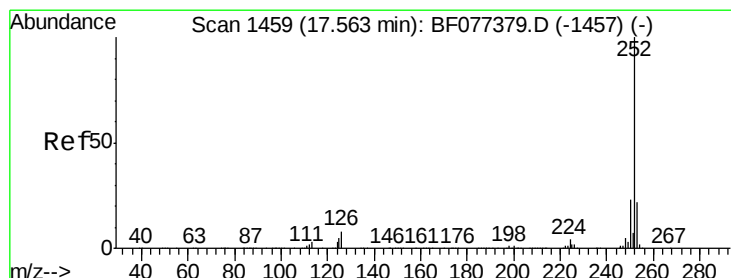
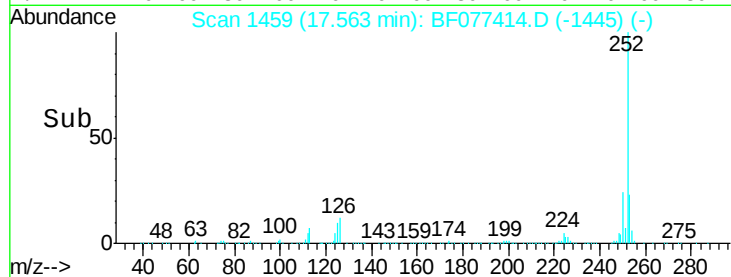
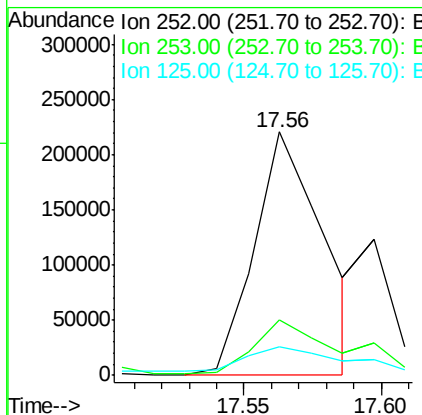
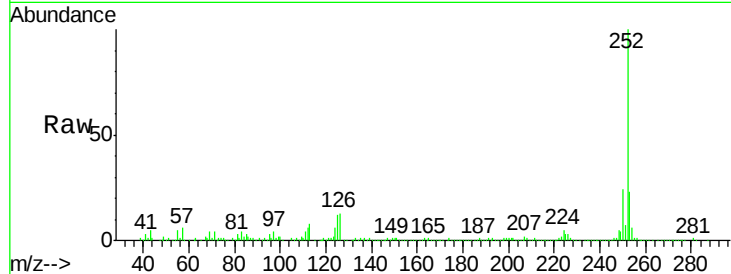
ClientSampled :

UB10PX3DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.6	26.4
125	11.8	5.4	8.2#

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#88

Benzo(k)fluoranthene

Concen: 7.96 ng m

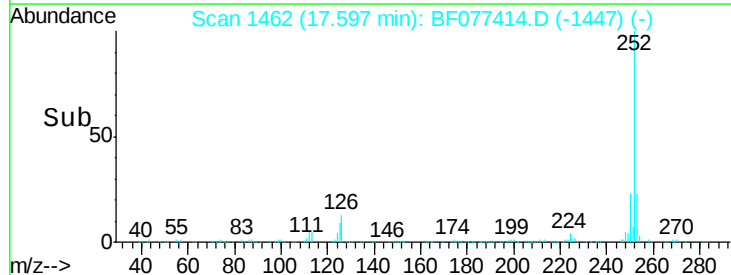
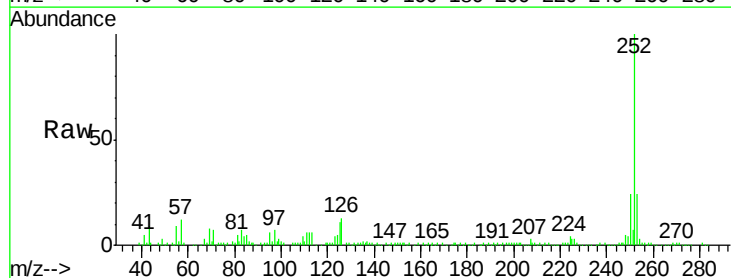
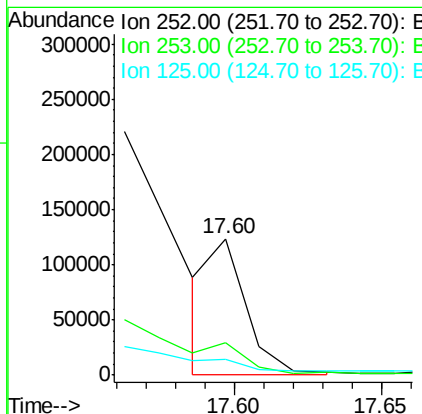
RT: 17.60 min Scan# 1462

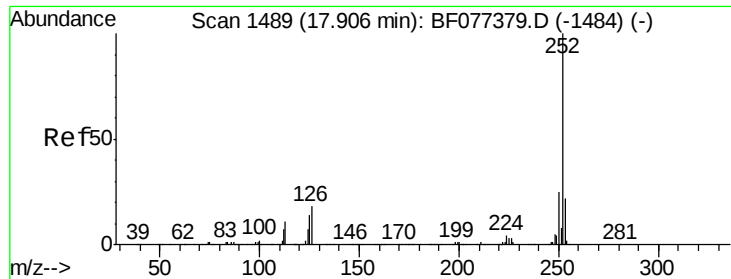
Delta R.T. 0.07 min

Lab File: BF077414.D

Acq: 24 Feb 2015 13:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.1	27.1
125	11.2	10.1	15.1





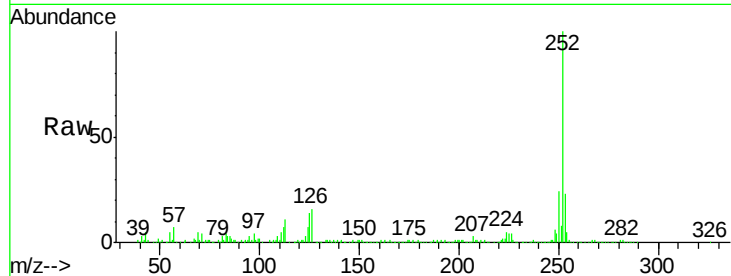
#89
Benzo(a)pyrene
Concen: 20.43 ng
RT: 17.96 min Scan# 1494
Delta R.T. 0.08 min
Lab File: BF077414.D
Acq: 24 Feb 2015 13:38

Instrument :
BNA_F
ClientSampleId :
UB10PX3DL

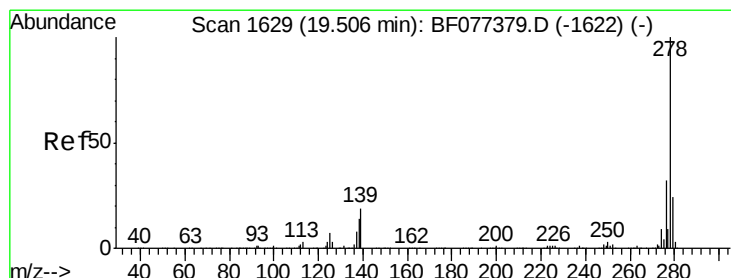
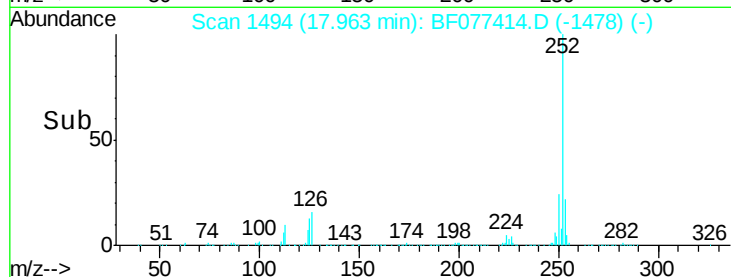
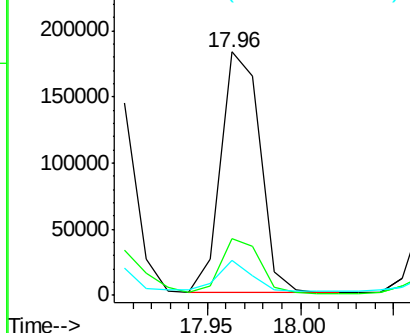
Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.4	18.2	27.2
125	14.3	8.3	12.5#

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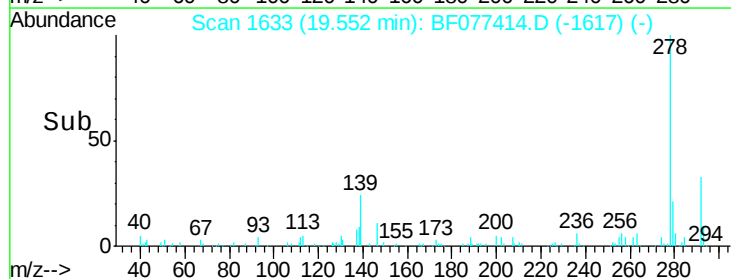
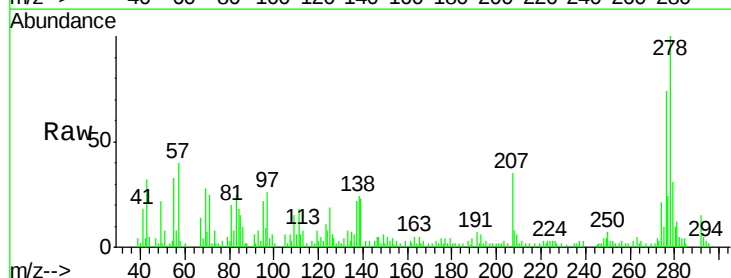
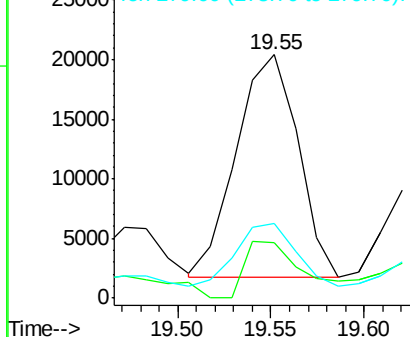
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

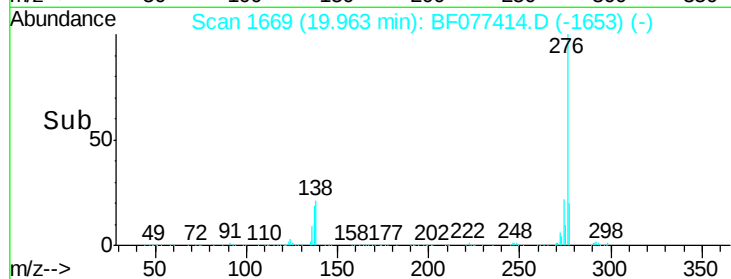
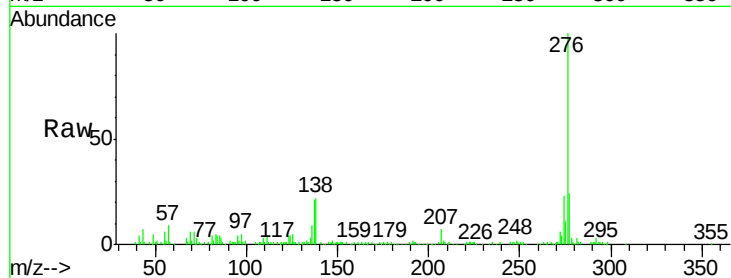
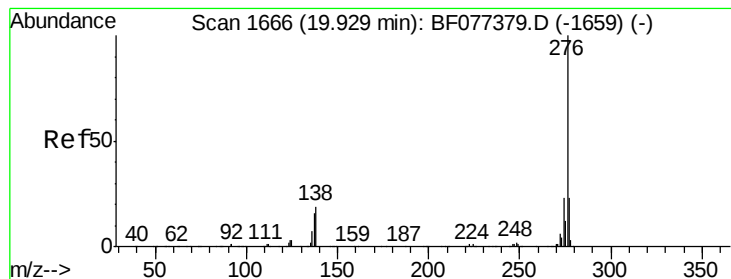


#90
Dibenzo(a,h)anthracene
Concen: 3.41 ng
RT: 19.55 min Scan# 1633
Delta R.T. 0.08 min
Lab File: BF077414.D
Acq: 24 Feb 2015 13:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	22.6	14.3	21.5#
279	30.7	19.0	28.6#

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 14.43 ng

RT: 19.96 min Scan# 1669

Delta R.T. 0.08 min

Lab File: BF077414.D

Acq: 24 Feb 2015 13:38

Instrument :

BNA_F

ClientSampleId :

UB10PX3DL

Tgt Ion:	276	Resp:	182303
Ion Ratio		Lower	Upper
276	100		
277	23.6	18.9	28.3
138	22.4	20.5	30.7

Manual Integrations
APPROVED

apatel
2/25/2015 3:33:18 PM

