

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021015\
 Data File : BF077240.D
 Acq On : 10 Feb 2015 18:06
 Operator : TP/IZ
 Sample : G1254-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UB10A

Manual Integrations
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Quant Time: Feb 11 10:02:34 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 10 13:30:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	41428	20.00	ng	0.00
21) Naphthalene-d8	10.51	136	182972	20.00	ng	0.01
38) Acenaphthene-d10	14.63	164	99518	20.00	ng	0.00
63) Phenanthrene-d10	17.52	188	158404	20.00	ng	0.01
75) Chrysene-d12	21.04	240	151765	20.00	ng	0.02
86) Perylene-d12	22.68	264	139321	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.61	112	148343	58.87	ng	0.02
7) Phenol-d6	7.04	99	190639	59.98	ng	0.02
23) Nitrobenzene-d5	8.90	82	109568	33.18	ng	0.00
41) 2,4,6-Tribromophenol	16.39	330	39798	49.27	ng	0.01
44) 2-Fluorobiphenyl	13.16	172	254798	38.96	ng	0.00
78) Terphenyl-d14	19.77	244	236166	35.82	ng	0.01
Target Compounds						Qvalue
31) Naphthalene	10.56	128	63971	6.79	ng	99
37) 2-Methylnaphthalene	12.21	142	27802	4.32	ng	91
49) Dimethylphthalate	14.24	163	17780	2.52	ng	96
51) Acenaphthene	14.69	154	70501	12.13	ng	98
54) Dibenzofuran	15.13	168	81365	9.61	ng	96
57) Fluorene	15.89	166	84255	11.75	ng	99
70) Phenanthrene	17.55	178	977362	98.94	ng	99
71) Anthracene	17.62	178	239300	24.84	ng	# 95
72) Carbazole	17.92	167	135107	14.46	ng	97
74) Fluoranthene	19.21	202	979331	96.75	ng	98
77) Pyrene	19.49	202	776999	74.70	ng	# 91
80) Benzo(a)anthracene	21.03	228	408436m	42.90	ng	
82) Chrysene	21.06	228	348831m	40.17	ng	
83) Bis(2-ethylhexyl)phthalate	21.17	149	36431	5.59	ng	# 100
85) Indeno(1,2,3-cd)pyrene	23.80	276	151304m	16.44	ng	
87) Benzo(b)fluoranthene	22.28	252	399436m	42.57	ng	
88) Benzo(k)fluoranthene	22.31	252	122191m	14.90	ng	
89) Benzo(a)pyrene	22.63	252	274789	33.20	ng	# 94
90) Dibenzo(a,h)anthracene	23.81	278	36102m	4.75	ng	
91) Benzo(a,h,i)perylene	24.07	276	125544m	16.63	ng	

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

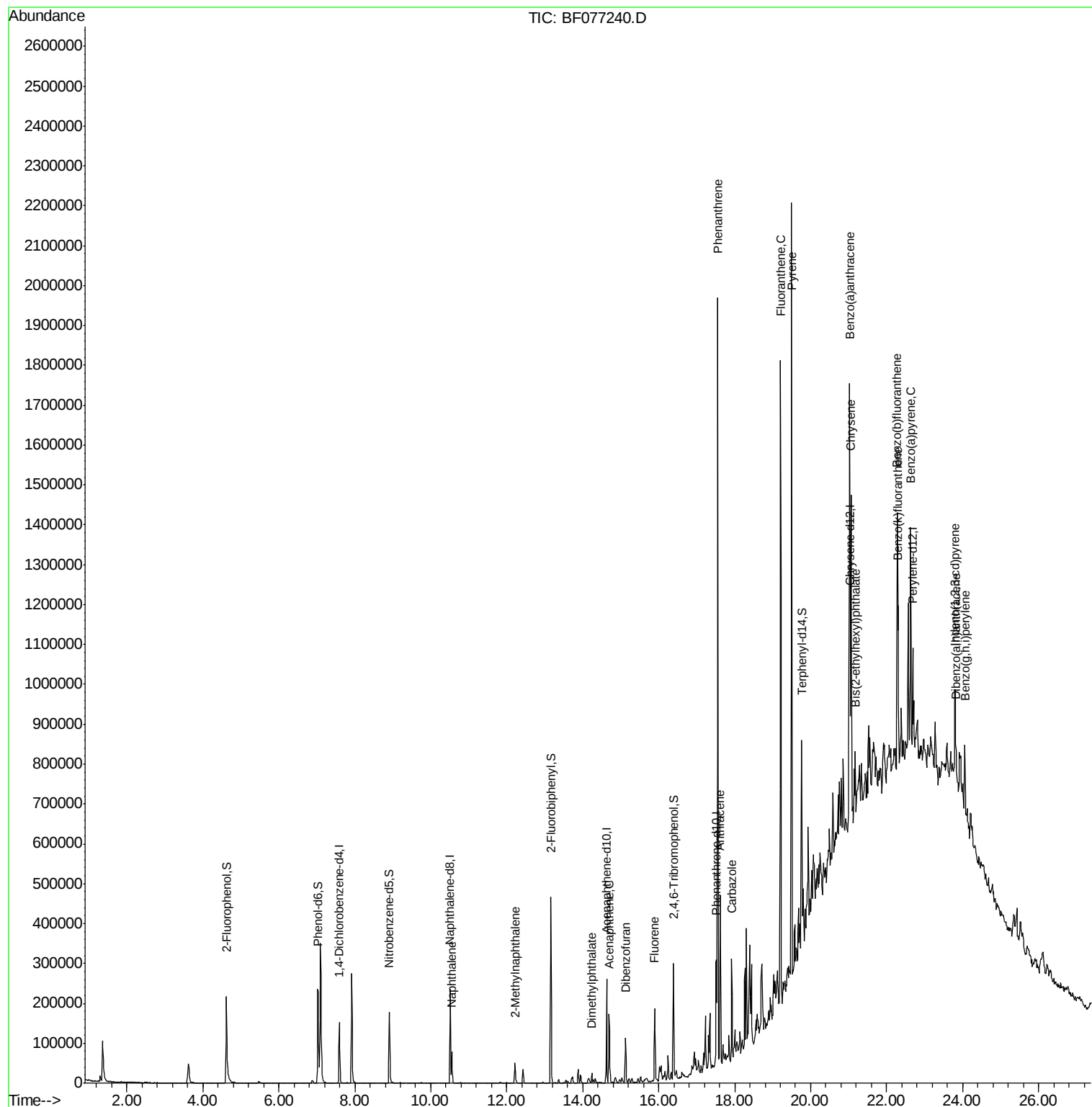
Data Path : Z:\HPCHEM1\BNA F\DATA\BF021015\
Data File : BF077240.D
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ALS Vial : 8 Sample Multiplier: 1

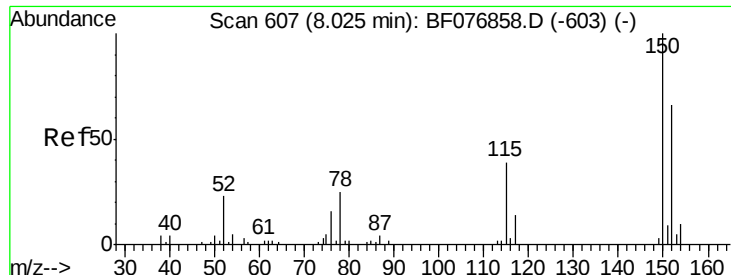
Instrument :
BNA_F
ClientSampleId :
UB10A

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Quant Time: Feb 11 10:02:34 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

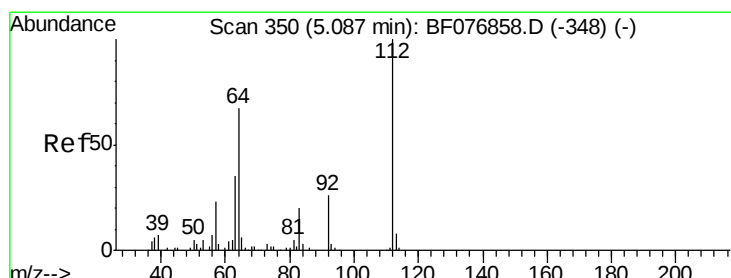
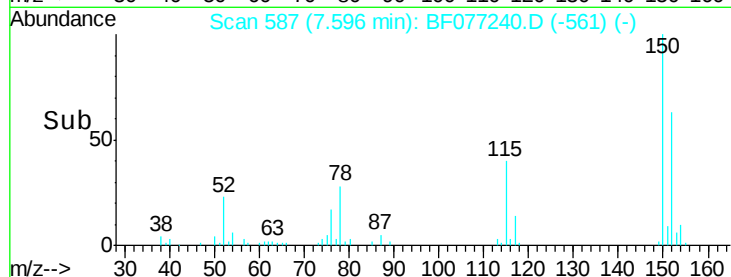
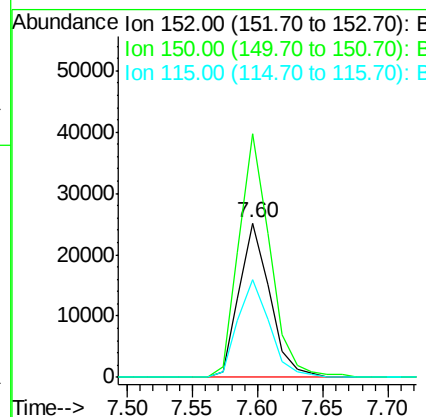
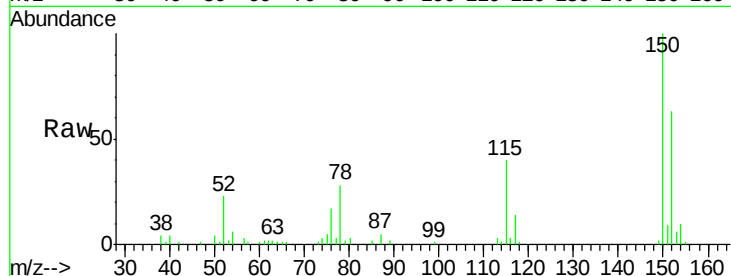
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.60 min Scan# 587
Delta R.T. 0.00 min
Lab File: BF077240.D
Acq: 10 Feb 2015 18:06

Instrument :
BNA_F
ClientSampleId :
UB10A

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	121.7	182.5
115	63.7	47.0	70.6

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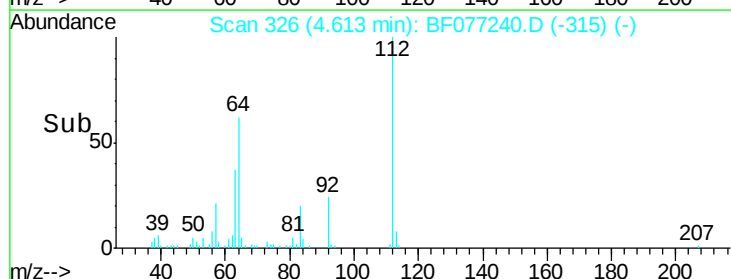
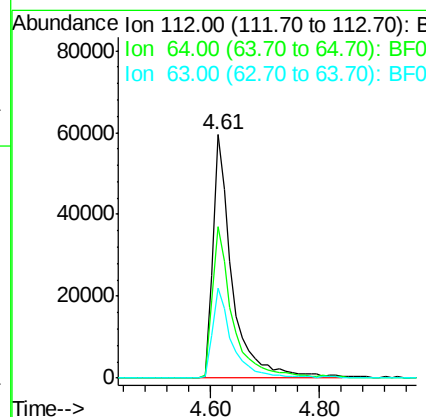
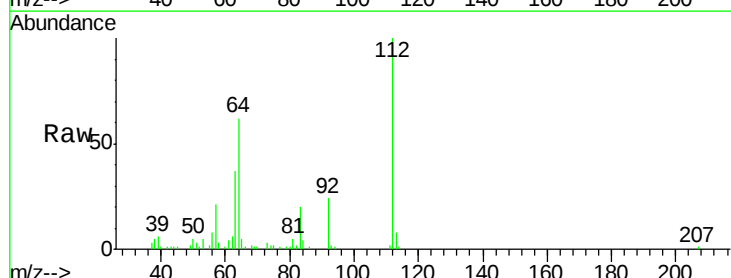
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#5

2-Fluorophenol
Concen: 58.87 ng
RT: 4.61 min Scan# 326
Delta R.T. 0.02 min
Lab File: BF077240.D
Acq: 10 Feb 2015 18:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.2	54.2	81.4
63	37.0	28.4	42.6





#7

Phenol-d6

Concen: 59.98 ng

RT: 7.04 min Scan# 538

Delta R.T. 0.02 min

Lab File: BF077240.D

Acq: 10 Feb 2015 18:06

Instrument :

BNA_F

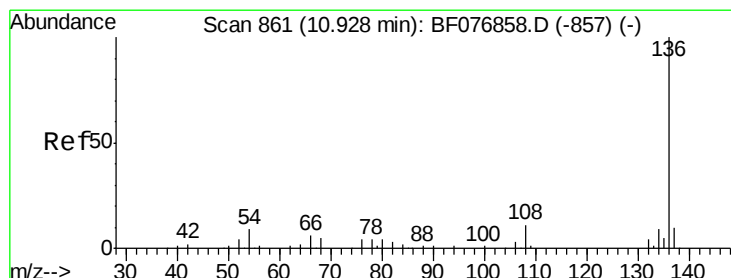
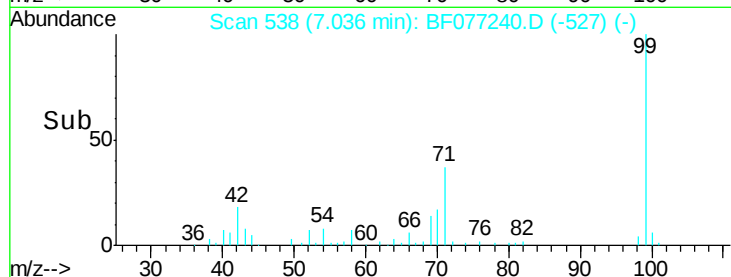
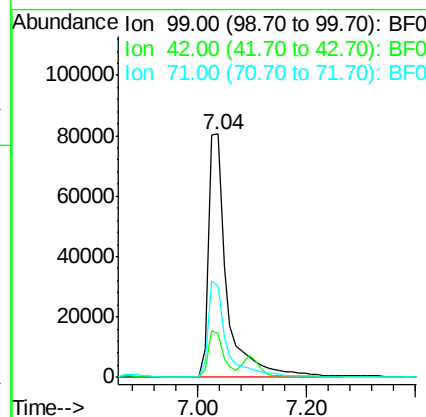
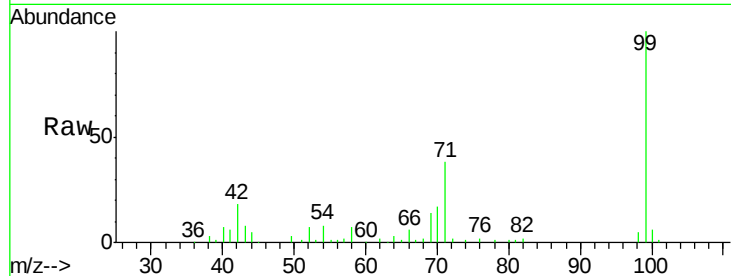
ClientSampled :

UB10A

Tot Ion:	99	Resp:	190639
Ion Ratio	Lower	Upper	
99	100		
42	18.1	15.0	22.4
71	37.5	30.5	45.7

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#21

Naphthalene-d8

Concen: 20.00 ng

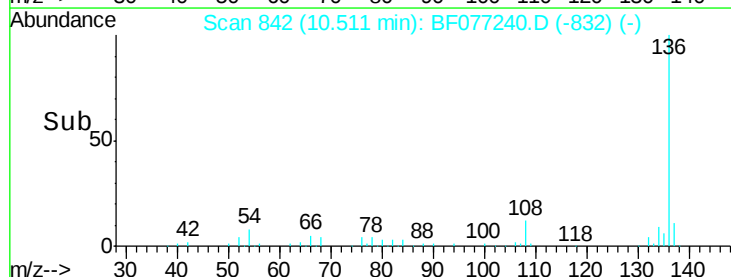
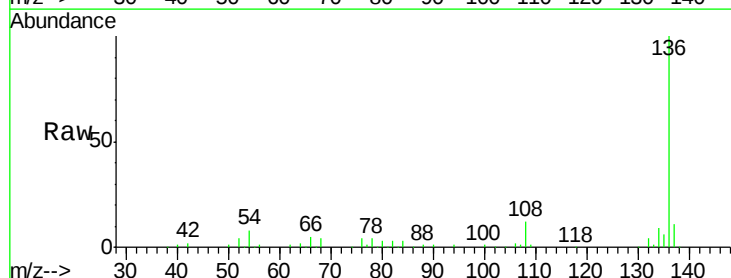
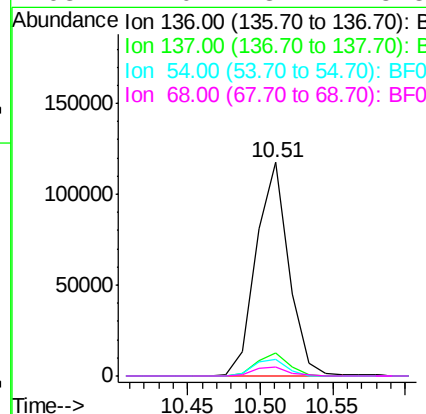
RT: 10.51 min Scan# 842

Delta R.T. 0.01 min

Lab File: BF077240.D

Acq: 10 Feb 2015 18:06

Tgt Ion:	136	Resp:	182972
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.1	12.1
54	8.0	7.0	10.4
68	4.0	3.7	5.5





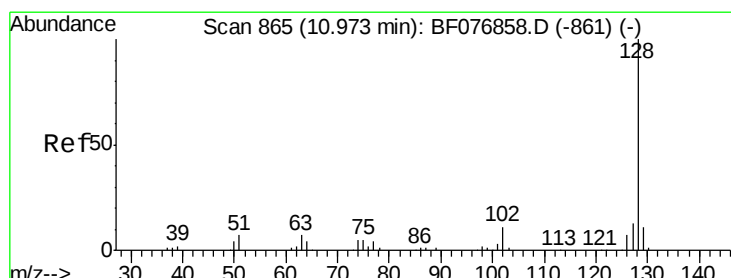
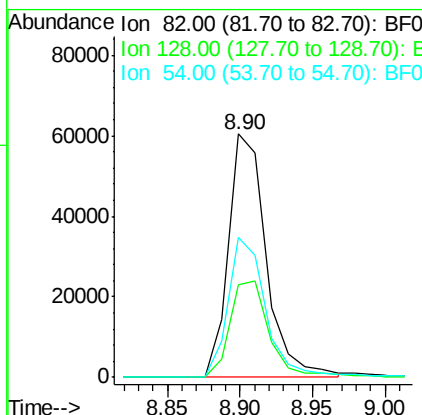
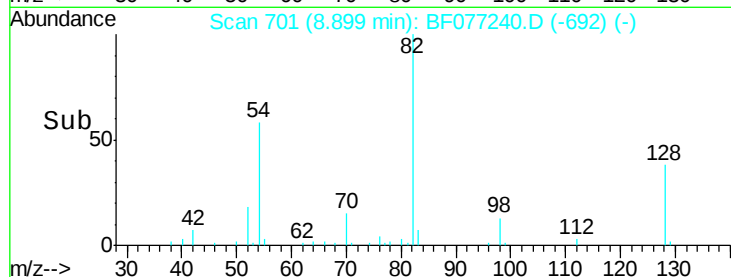
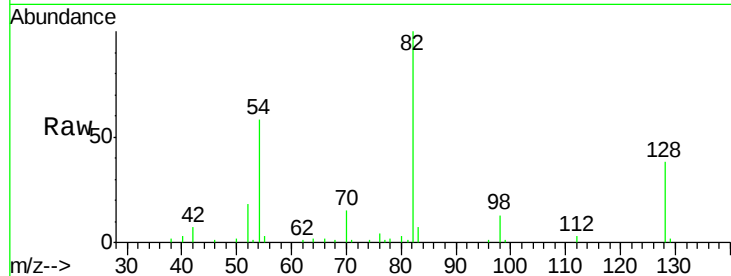
#23
 Nitrobenzene-d5
 Concen: 33.18 ng
 RT: 8.90 min Scan# 701
 Delta R.T. 0.00 min
 Lab File: BF077240.D
 Acq: 10 Feb 2015 18:06

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion:	82	Resp:	109568
Ion Ratio	Lower	Upper	
82	100		
128	38.1	33.1	49.7
54	57.6	48.3	72.5

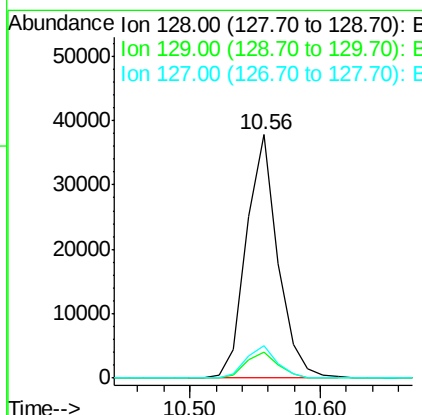
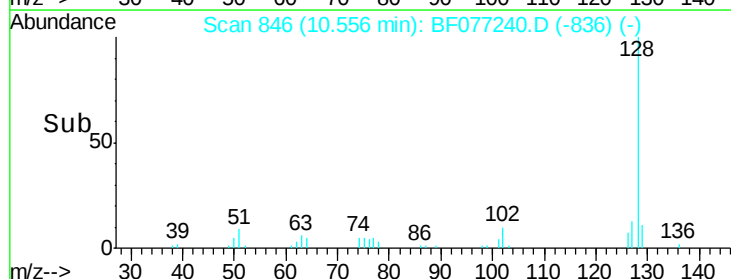
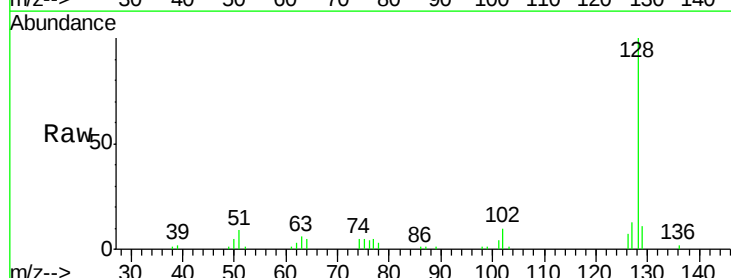
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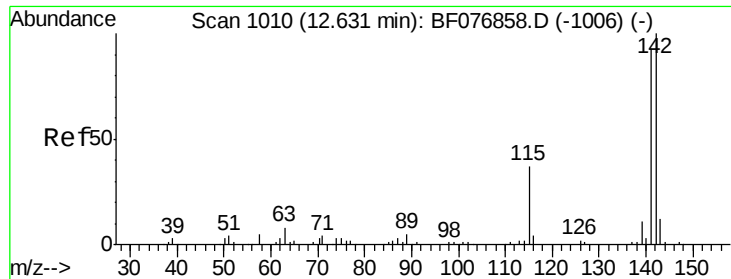
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#31
 Naphthalene
 Concen: 6.79 ng
 RT: 10.56 min Scan# 846
 Delta R.T. 0.01 min
 Lab File: BF077240.D
 Acq: 10 Feb 2015 18:06

Tgt Ion:	128	Resp:	63971
Ion Ratio	Lower	Upper	
128	100		
129	10.9	9.0	13.6
127	13.3	10.2	15.2





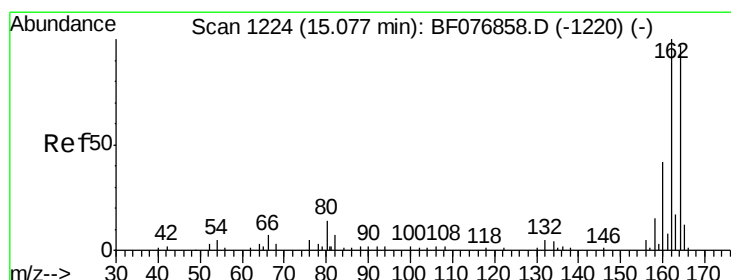
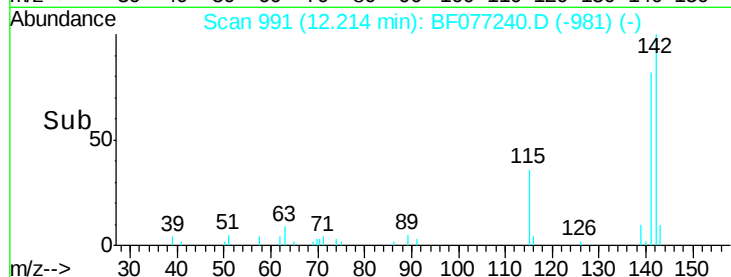
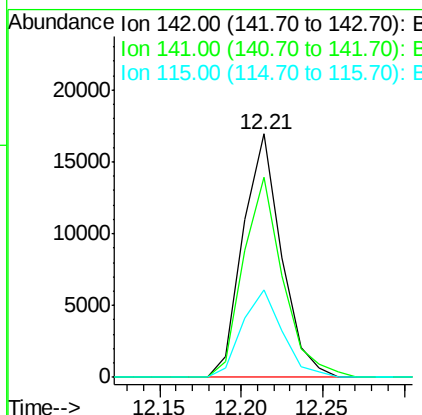
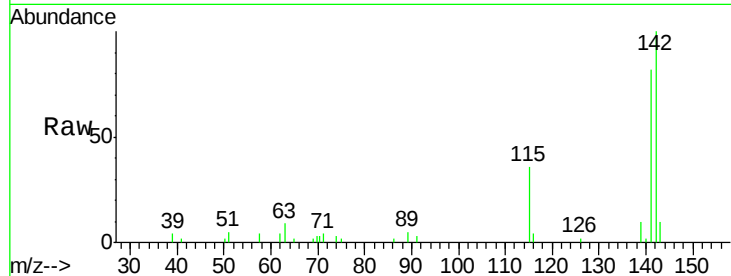
#37
 2-Methylnaphthalene
 Concen: 4.32 ng
 RT: 12.21 min Scan# 991
 Delta R.T. 0.01 min
 Lab File: BF077240.D
 Acq: 10 Feb 2015 18:06

Instrument :
 BNA_F
 ClientSampleId :
 UB10A

Tot Ion	Ratio	Lower	Upper
142	100		
141	82.4	74.5	111.7
115	35.9	29.7	44.5

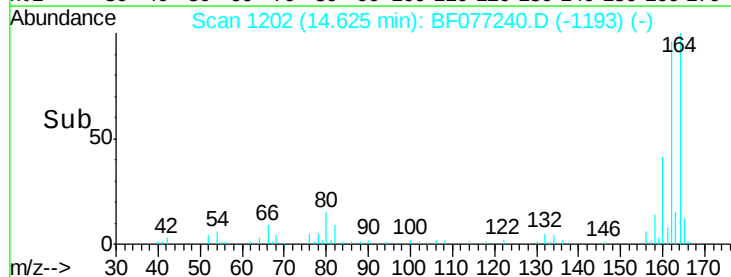
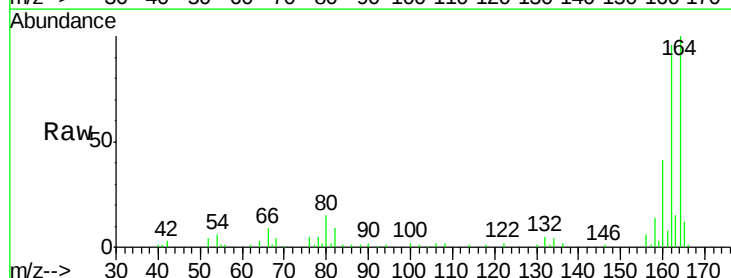
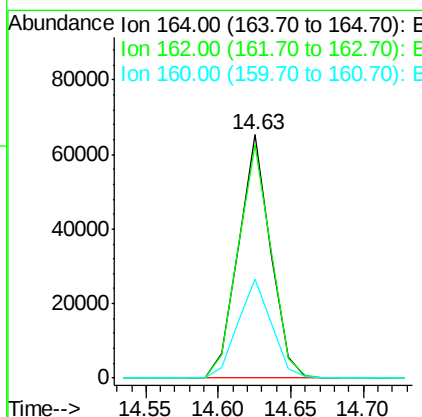
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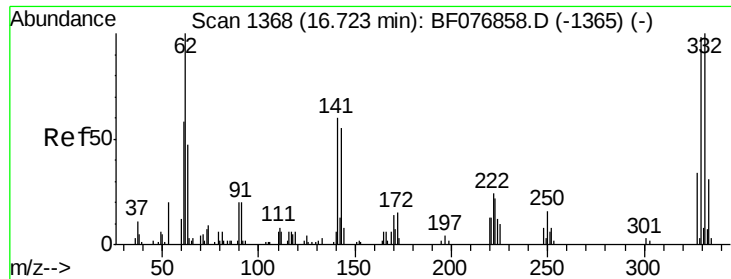
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.63 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: BF077240.D
 Acq: 10 Feb 2015 18:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.1	82.4	123.6
160	40.6	34.8	52.2





#41

2,4,6-Tribromophenol

Concen: 49.27 ng

RT: 16.39 min Scan# 1356

Delta R.T. 0.01 min

Lab File: BF077240.D

Acq: 10 Feb 2015 18:06

Instrument :

BNA_F

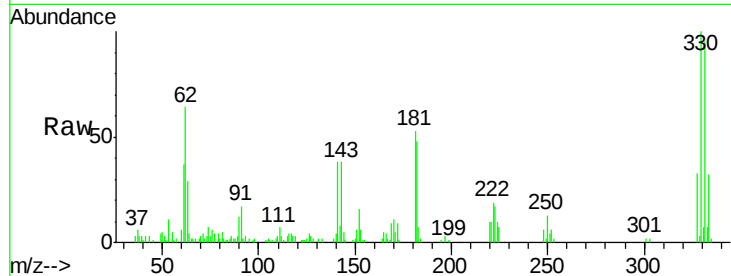
ClientSampleId :

UB10A

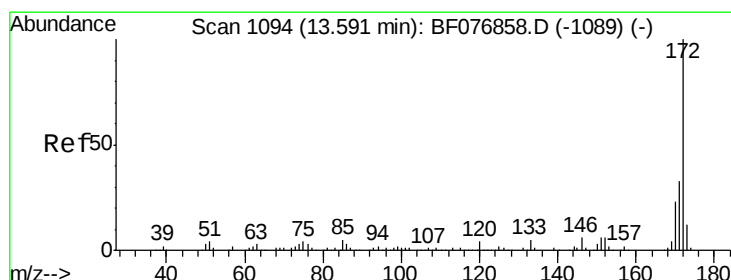
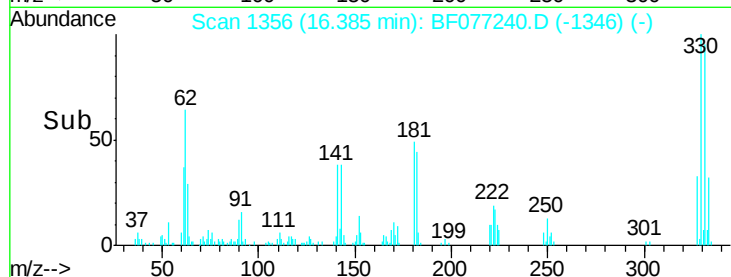
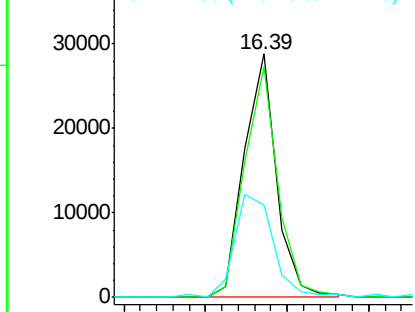
Tot Ion:	330	Resp:	39798
Ion Ratio	Lower	Upper	
330	100		
332	97.4	77.8	116.6
141	50.9	38.5	57.7

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 38.96 ng

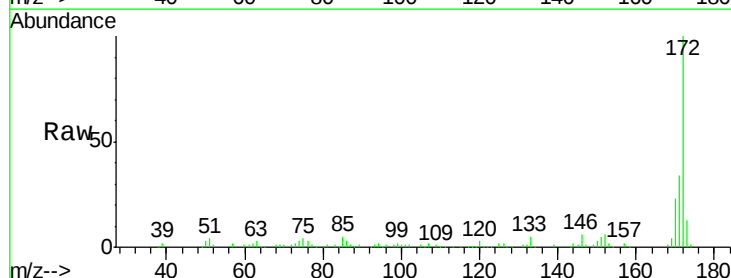
RT: 13.16 min Scan# 1074

Delta R.T. 0.00 min

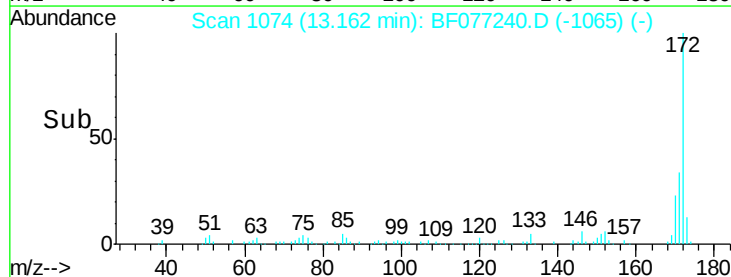
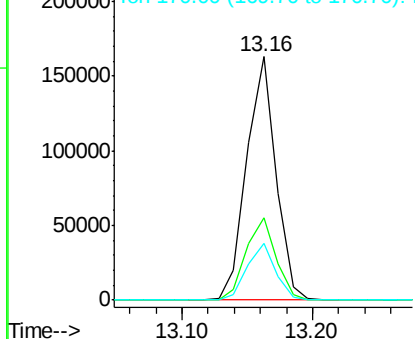
Lab File: BF077240.D

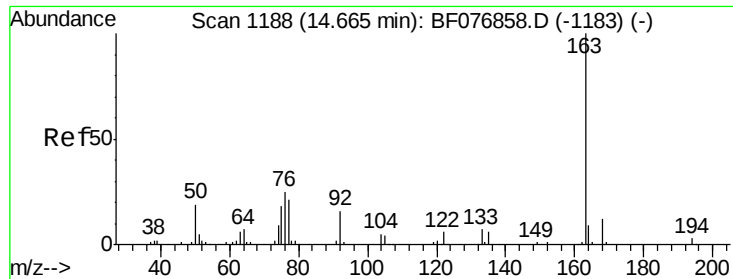
Acq: 10 Feb 2015 18:06

Tgt Ion:	172	Resp:	254798
Ion Ratio	Lower	Upper	
172	100		
171	33.8	26.6	40.0
170	23.5	18.0	27.0



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





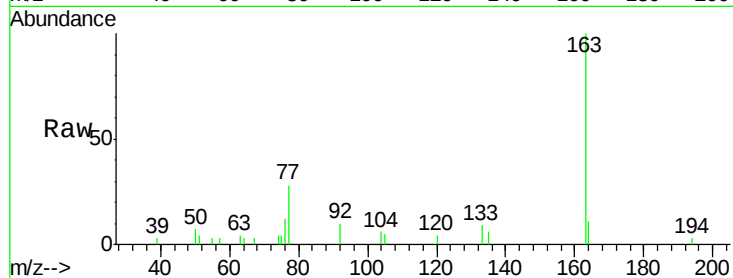
#49
Dimethylphthalate
Concen: 2.52 ng
RT: 14.24 min Scan# 1168
Delta R.T. 0.00 min
Lab File: BF077240.D
Acq: 10 Feb 2015 18:06

Instrument :
BNA_F
ClientSampleId :
UB10A

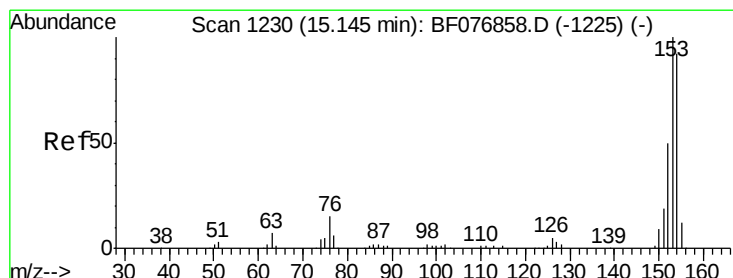
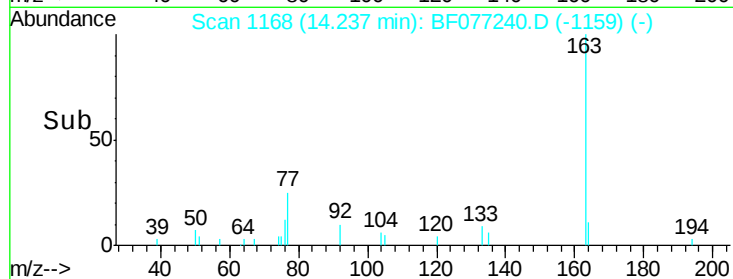
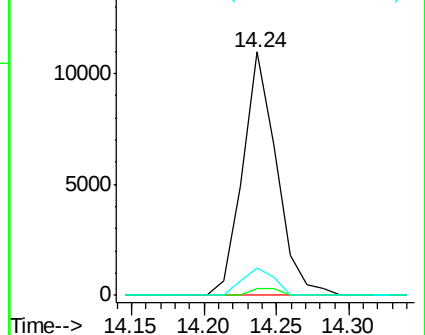
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.6	4.0
164	11.3	7.5	11.3

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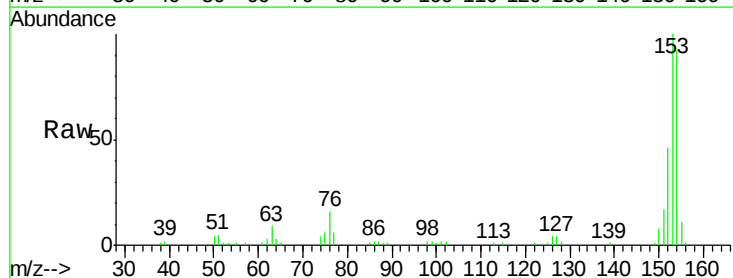


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

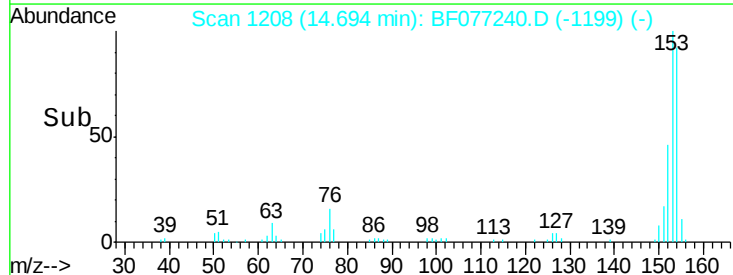
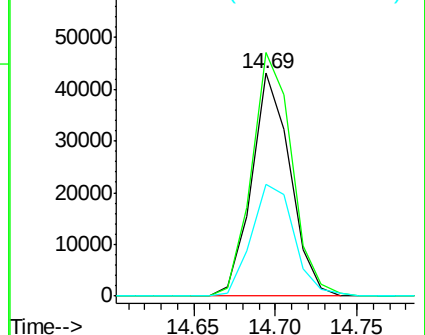


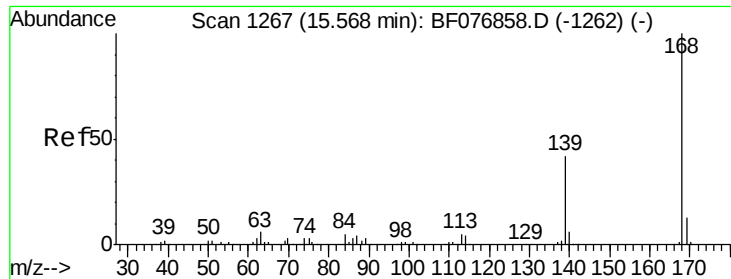
#51
Acenaphthene
Concen: 12.13 ng
RT: 14.69 min Scan# 1208
Delta R.T. 0.00 min
Lab File: BF077240.D
Acq: 10 Feb 2015 18:06

Tgt Ion	Ratio	Lower	Upper
154	100		
153	109.3	87.0	130.6
152	50.4	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





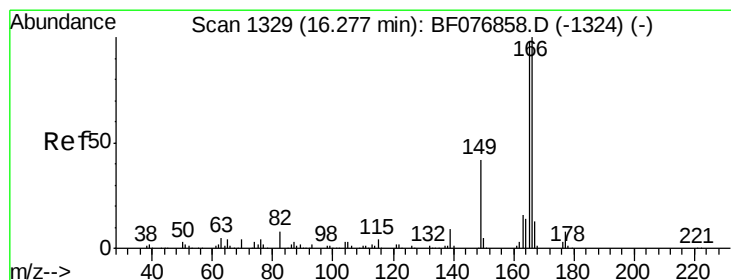
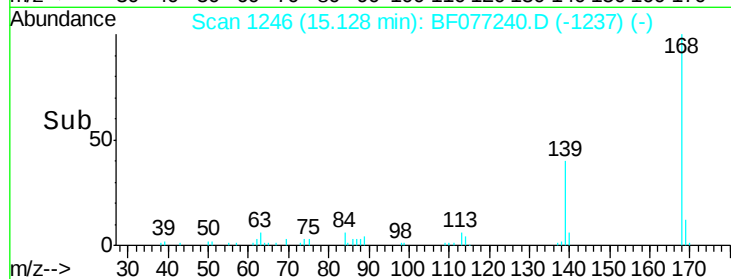
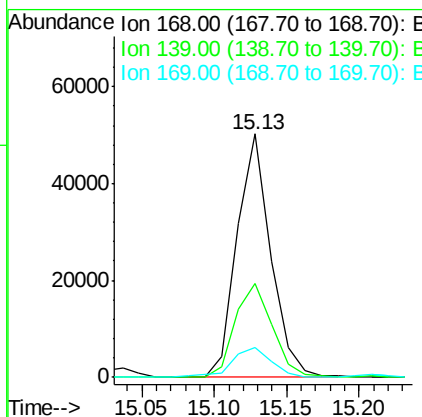
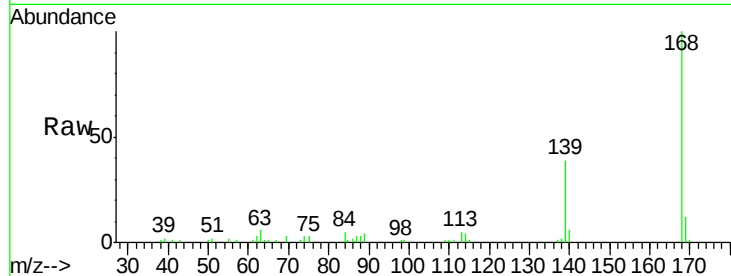
#54
Dibenzenofuran
Concen: 9.61 ng
RT: 15.13 min Scan# 1246
Delta R.T. 0.00 min
Lab File: BF077240.D
Acq: 10 Feb 2015 18:06

Instrument :
BNA_F
ClientSampleId :
UB10A

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.8	33.4	50.2
169	12.5	10.6	15.8

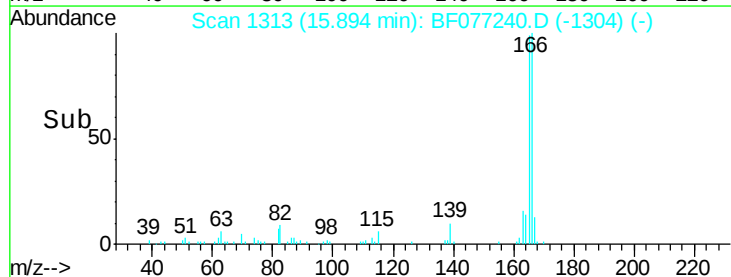
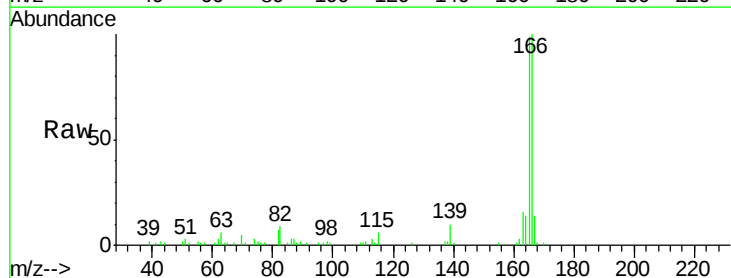
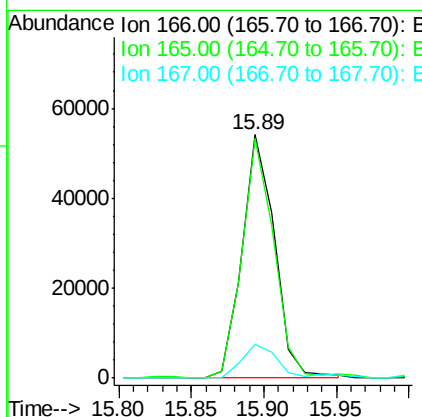
Manual Integrations
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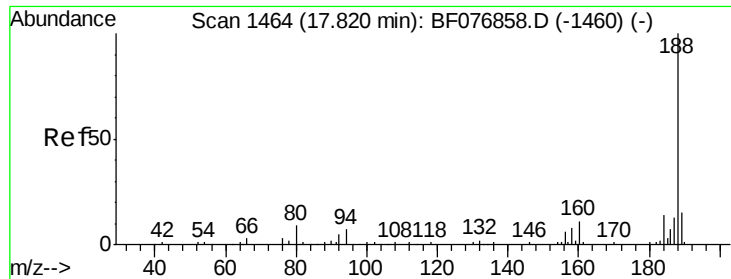
apatel
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#57
Fluorene
Concen: 11.75 ng
RT: 15.89 min Scan# 1313
Delta R.T. 0.00 min
Lab File: BF077240.D
Acq: 10 Feb 2015 18:06

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.6	78.5	117.7
167	13.7	10.4	15.6





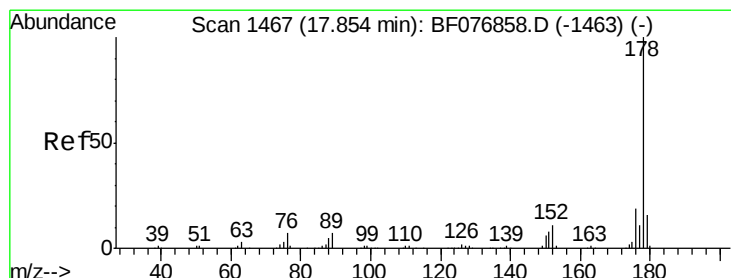
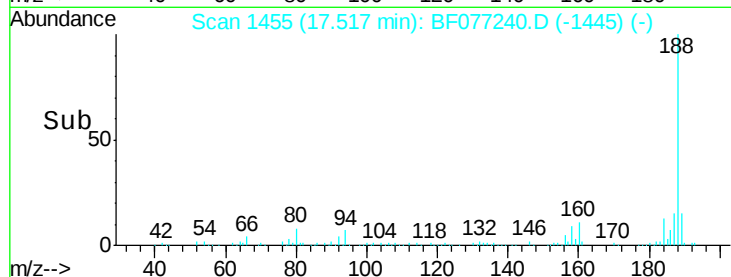
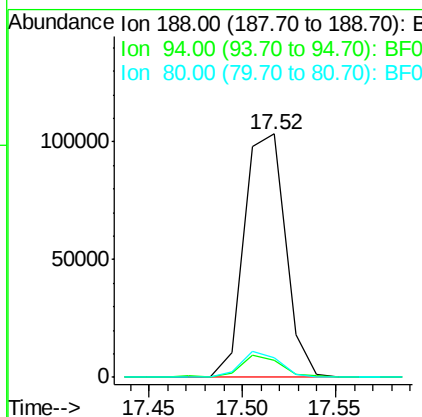
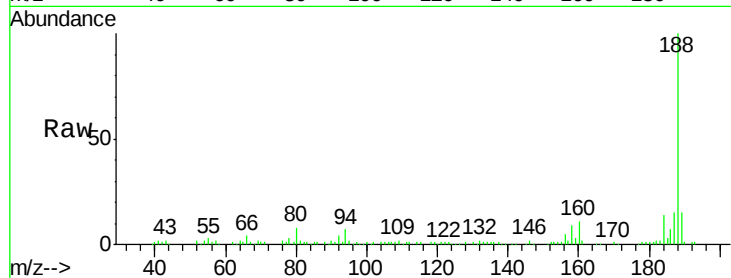
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.52 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF077240.D
 Acq: 10 Feb 2015 18:06

Instrument :
 BNA_F
 ClientSampled :
 UB10A

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	6.8	6.0	9.0
80	8.0	6.9	10.3

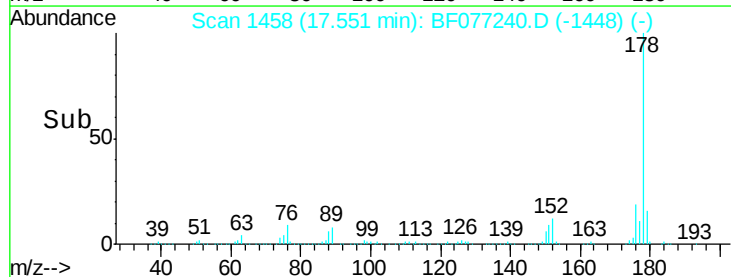
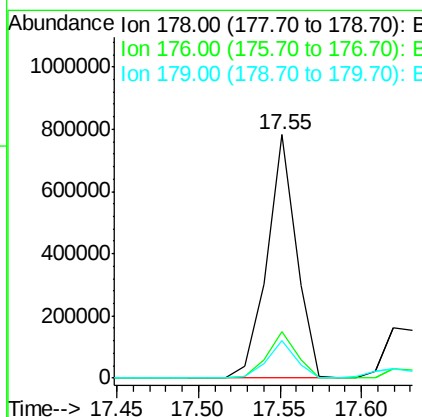
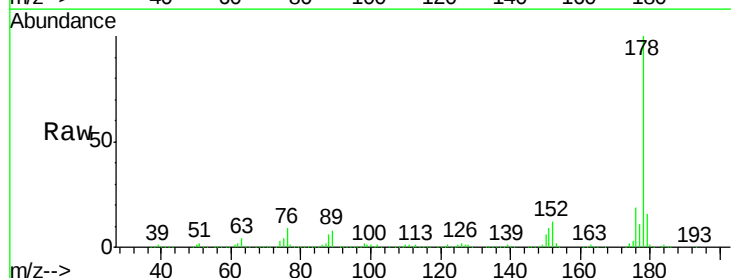
Manual Integrations
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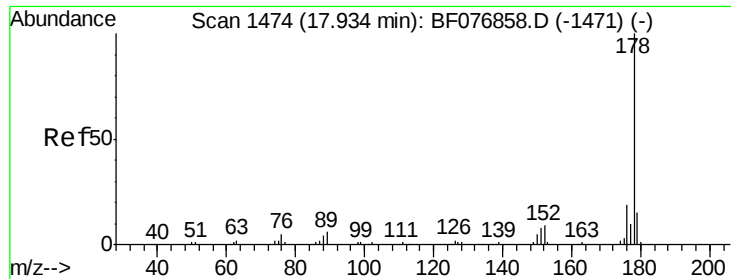
apatel
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#70
 Phenanthrene
 Concen: 98.94 ng
 RT: 17.55 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: BF077240.D
 Acq: 10 Feb 2015 18:06

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.4	15.1	22.7
179	15.6	12.7	19.1





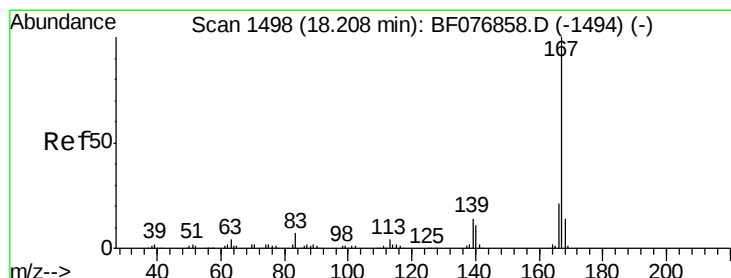
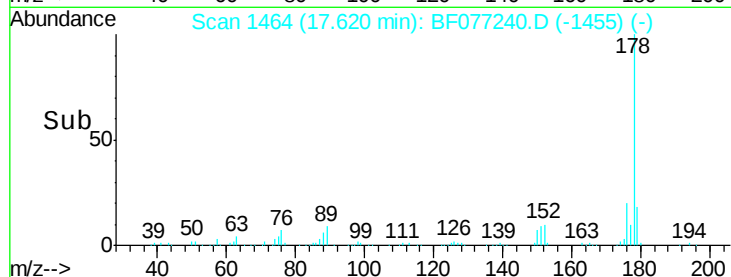
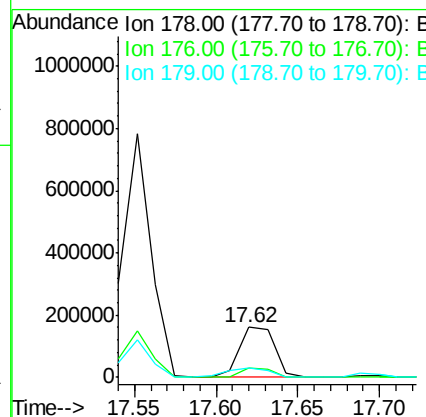
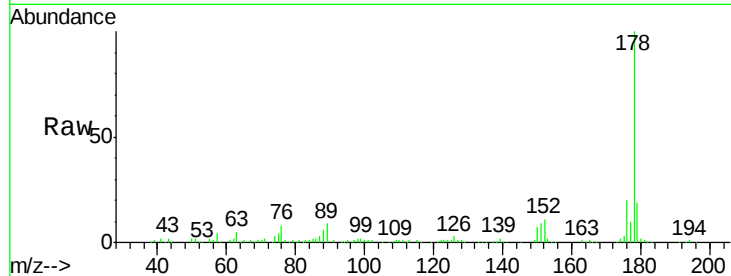
#71
 Anthracene
 Concen: 24.84 ng
 RT: 17.62 min Scan# 1464
 Delta R.T. 0.00 min
 Lab File: BF077240.D
 Acq: 10 Feb 2015 18:06

Instrument :
 BNA_F
 ClientSampled :
 UB10A

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.0
179	18.7	11.9	17.9

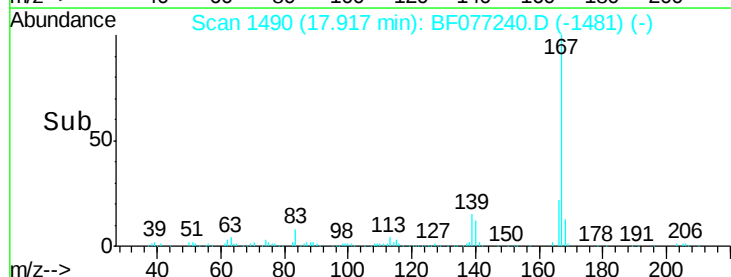
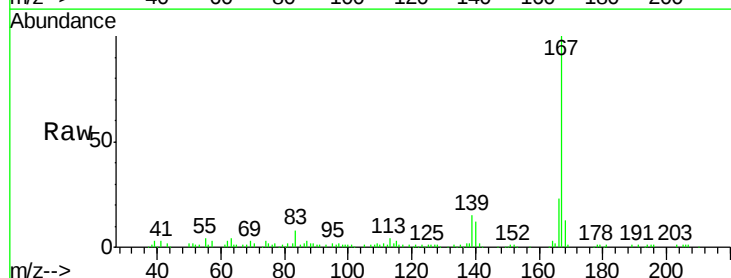
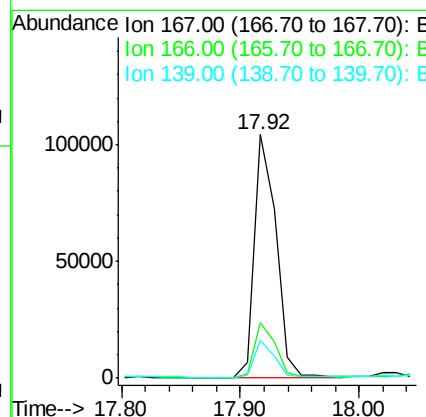
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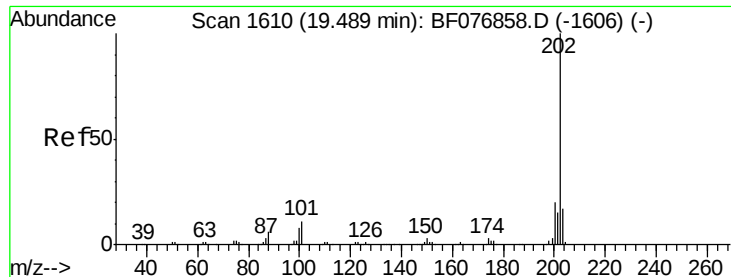
apatel
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#72
 Carbazole
 Concen: 14.46 ng
 RT: 17.92 min Scan# 1490
 Delta R.T. 0.00 min
 Lab File: BF077240.D
 Acq: 10 Feb 2015 18:06

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.0	25.6
139	15.5	11.3	16.9





#74

Fluoranthene

Concen: 96.75 ng

RT: 19.21 min Scan# 1603

Delta R.T. 0.01 min

Lab File: BF077240.D

Acq: 10 Feb 2015 18:06

Instrument :

BNA_F

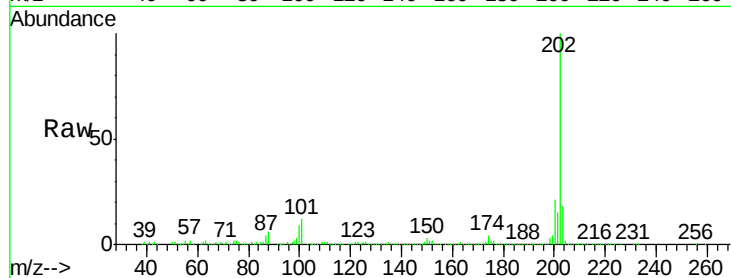
ClientSampleId :

UB10A

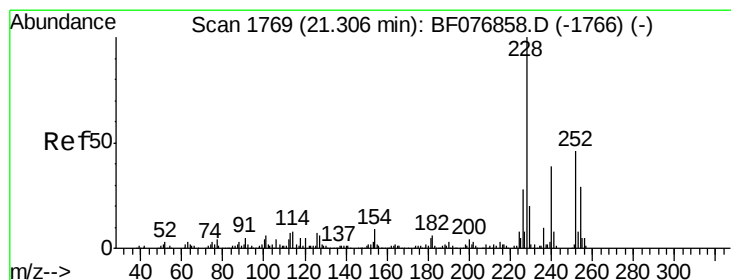
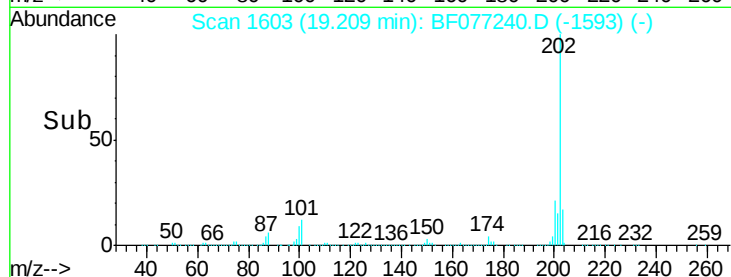
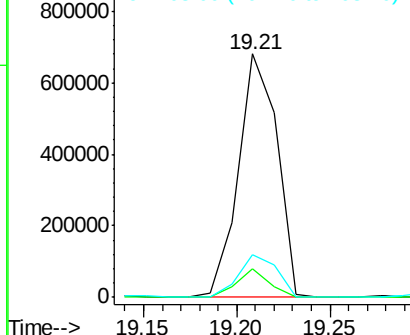
Tot Ion:	202	Resp:	979331
Ion Ratio		Lower	Upper
202	100		
101	11.9	0.0	30.7
203	17.6	0.0	36.9

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

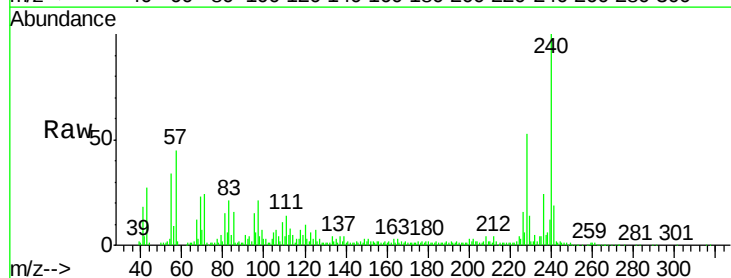
RT: 21.04 min Scan# 1763

Delta R.T. 0.02 min

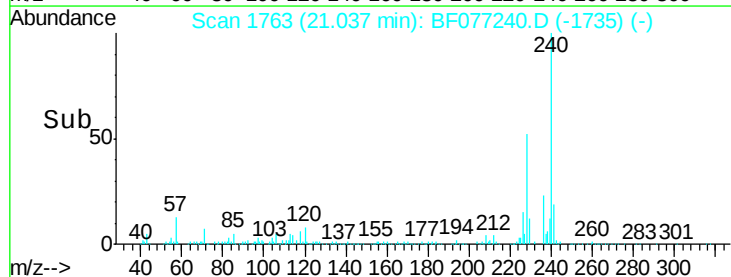
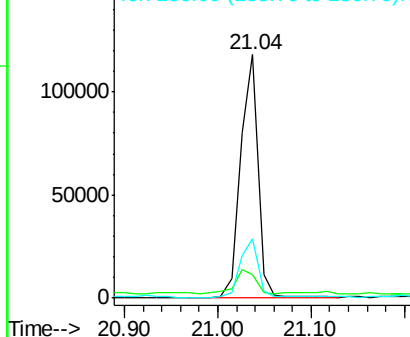
Lab File: BF077240.D

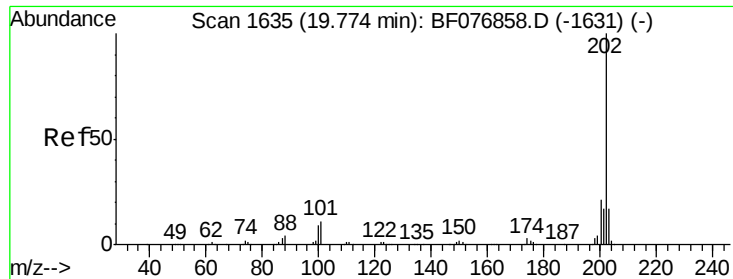
Acq: 10 Feb 2015 18:06

Tgt Ion:	240	Resp:	151765
Ion Ratio		Lower	Upper
240	100		
120	9.6	10.4	15.6#
236	24.4	20.2	30.2



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 74.70 ng

RT: 19.49 min Scan# 1628

Delta R.T. 0.02 min

Lab File: BF077240.D

Acq: 10 Feb 2015 18:06

Instrument :

BNA_F

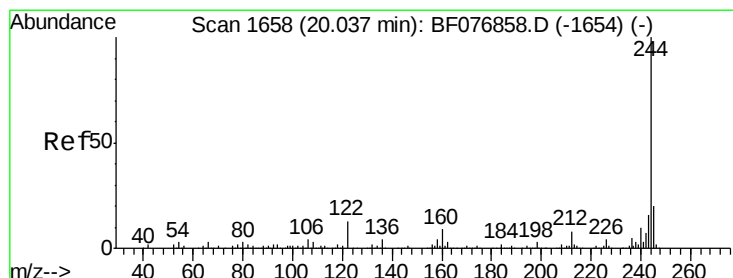
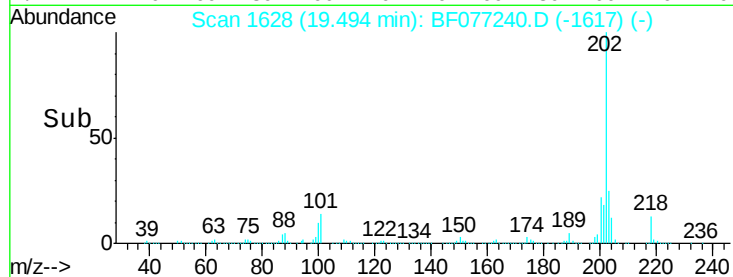
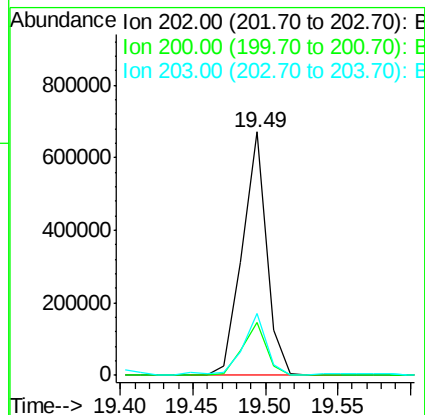
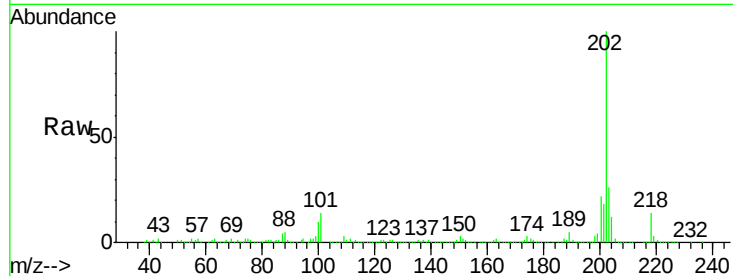
ClientSampleId :

UB10A

Tot Ion:	202	Resp:	776999
Ion Ratio	Lower	Upper	
202	100		
200	21.6	16.7	25.1
203	25.5	14.0	21.0#

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#78

Terphenyl-d14

Concen: 35.82 ng

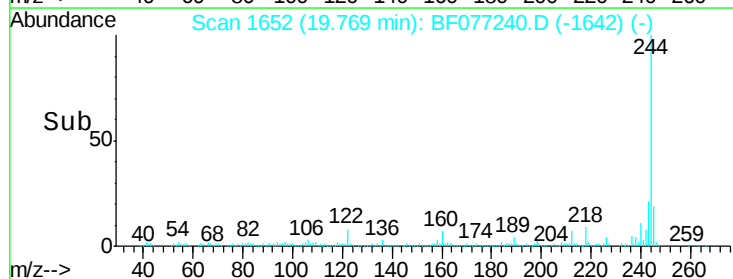
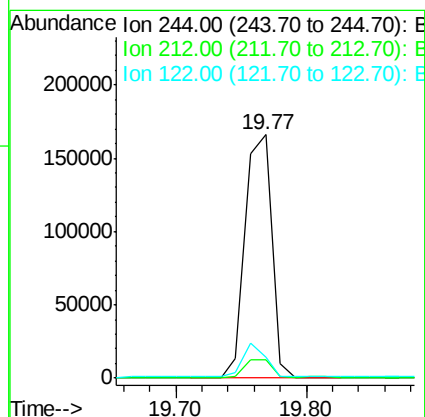
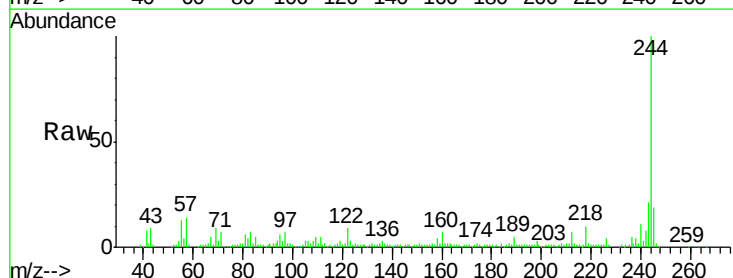
RT: 19.77 min Scan# 1652

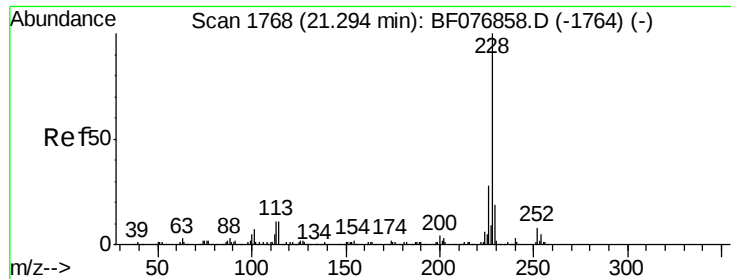
Delta R.T. 0.01 min

Lab File: BF077240.D

Acq: 10 Feb 2015 18:06

Tgt Ion:	244	Resp:	236166
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.3	9.5
122	8.5	10.1	15.1#





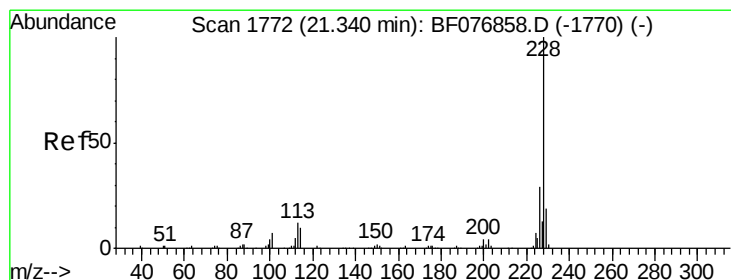
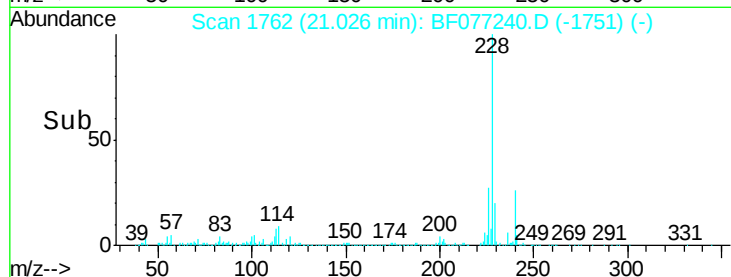
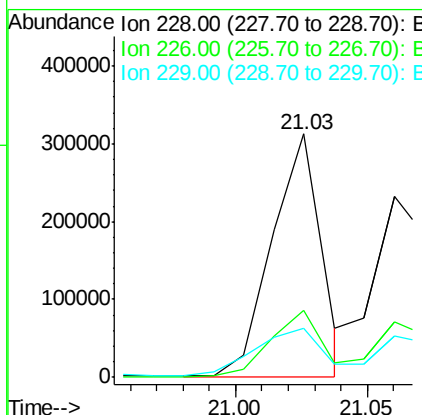
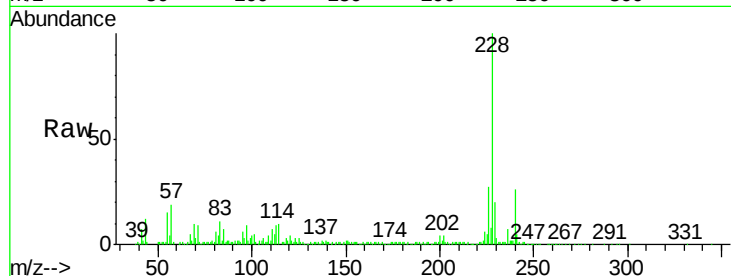
#80
Benzo(a)anthracene
Concen: 42.90 ng m
RT: 21.03 min Scan# 1762
Delta R.T. 0.02 min
Lab File: BF077240.D
Acq: 10 Feb 2015 18:06

Instrument :
BNA_F
ClientSampleId :
UB10A

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.1	33.1
229	20.1	15.5	23.3

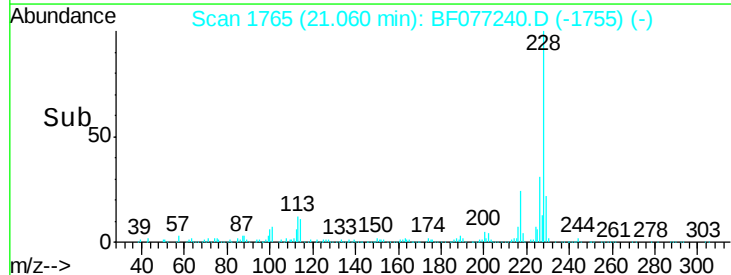
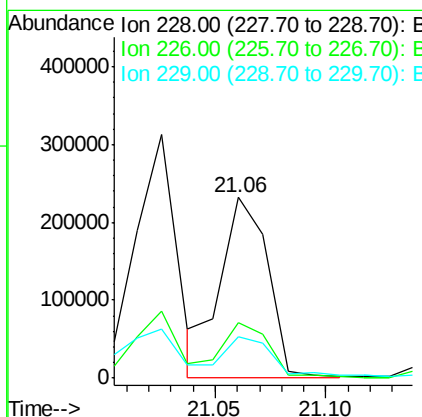
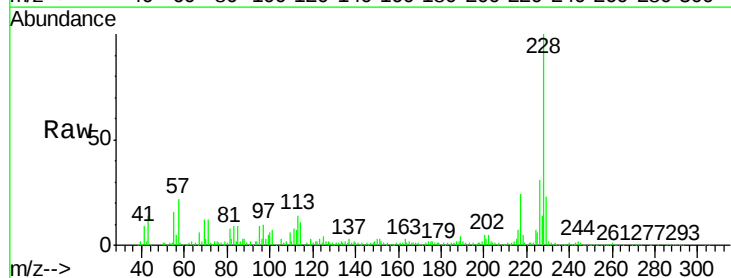
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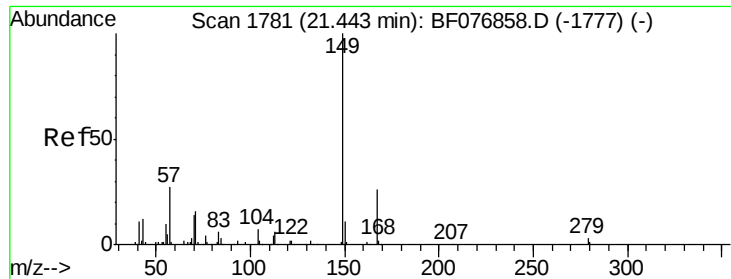
apatel
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#82
Chrysene
Concen: 40.17 ng m
RT: 21.06 min Scan# 1765
Delta R.T. 0.01 min
Lab File: BF077240.D
Acq: 10 Feb 2015 18:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.4	35.0
229	23.0	15.4	23.0





#83

Bis(2-ethylhexyl)phthalate

Concen: 5.59 ng

RT: 21.17 min Scan# 1775

Delta R.T. 0.01 min

Lab File: BF077240.D

Acq: 10 Feb 2015 18:06

Instrument :

BNA_F

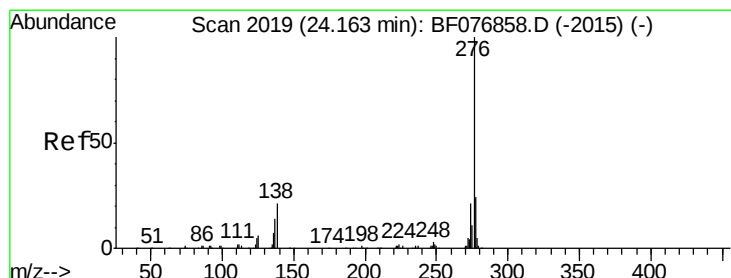
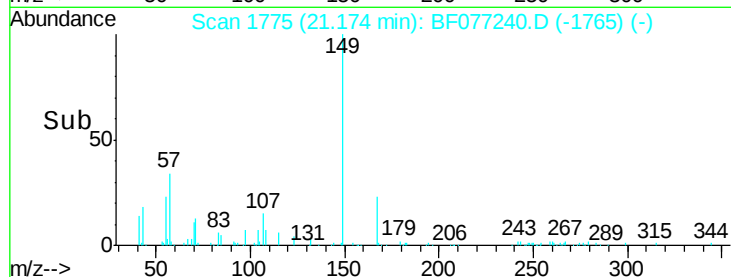
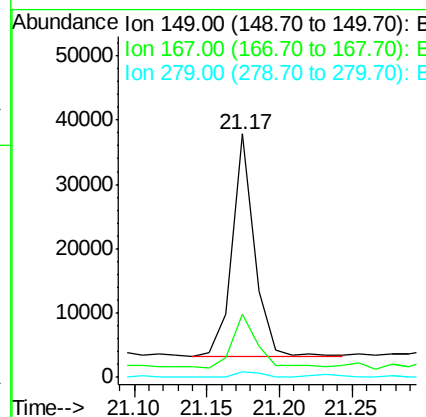
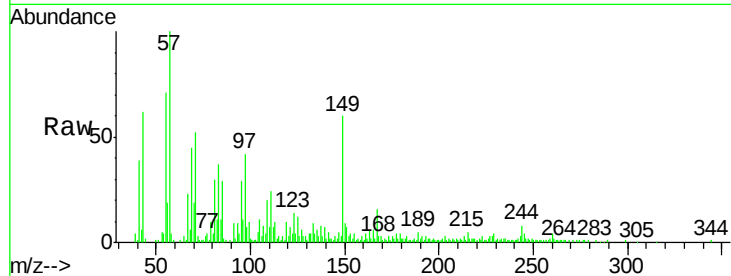
ClientSampled :

UB10A

Tot Ion:	149	Resp:	36431
Ion Ratio	Lower	Upper	
149	100		
167	25.7	20.6	30.8
279	2.1	2.2	3.2#

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#85

Indeno(1,2,3-cd)pyrene

Concen: 16.44 ng m

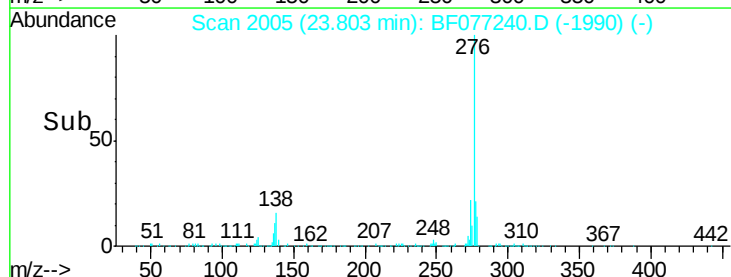
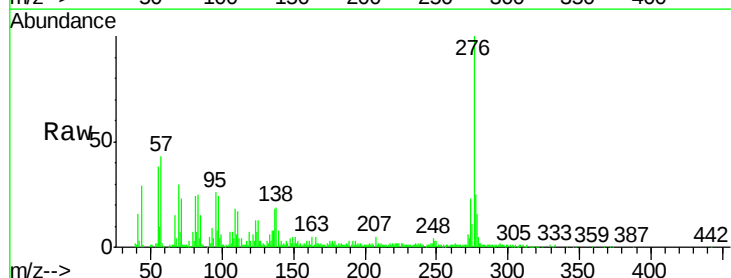
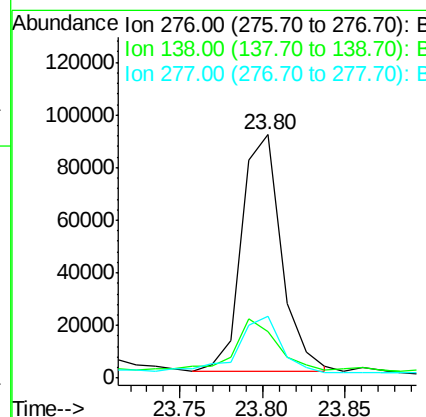
RT: 23.80 min Scan# 2005

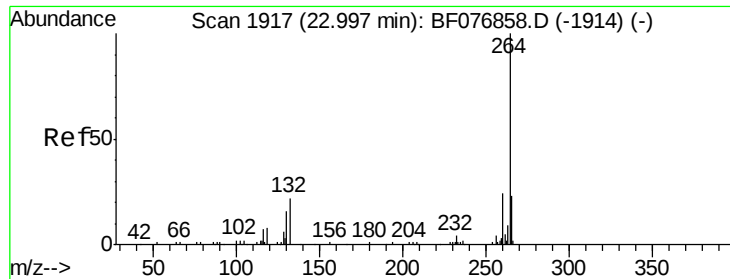
Delta R.T. 0.07 min

Lab File: BF077240.D

Acq: 10 Feb 2015 18:06

Tgt Ion:	276	Resp:	151304
Ion Ratio	Lower	Upper	
276	100		
138	21.2	14.6	22.0
277	23.8	14.8	22.2#





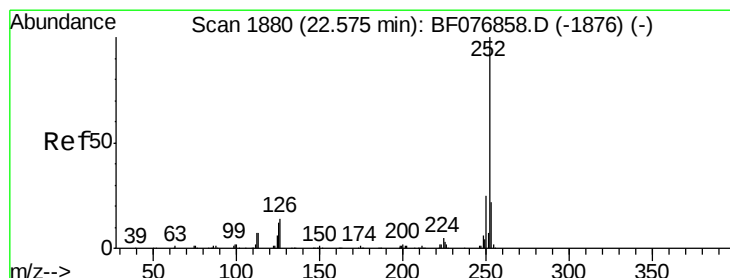
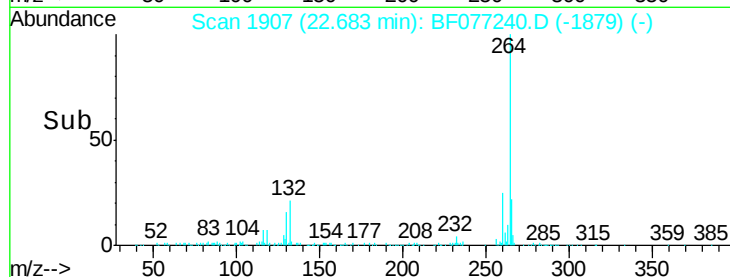
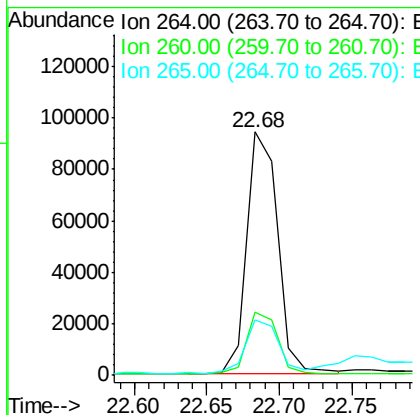
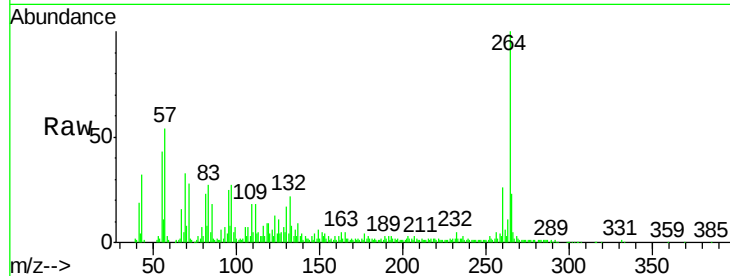
#86
Pervlene-d12
Concen: 20.00 ng
RT: 22.68 min Scan# 1907
Delta R.T. 0.02 min
Lab File: BF077240.D
Acq: 10 Feb 2015 18:06

Instrument :
BNA_F
ClientSampleId :
UB10A

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.0	28.4
265	22.8	18.1	27.1

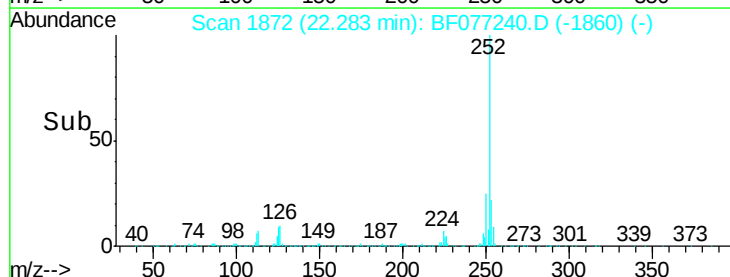
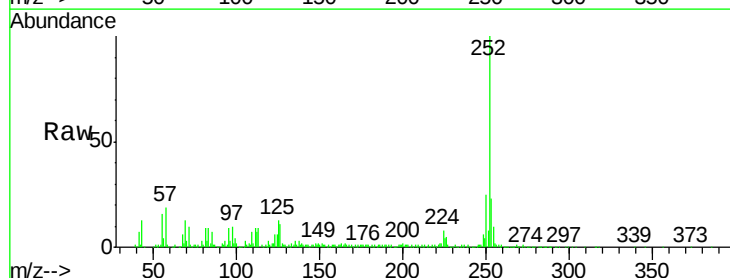
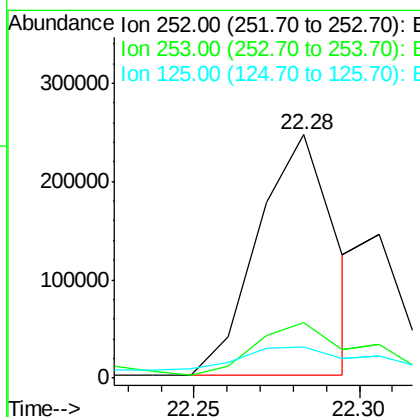
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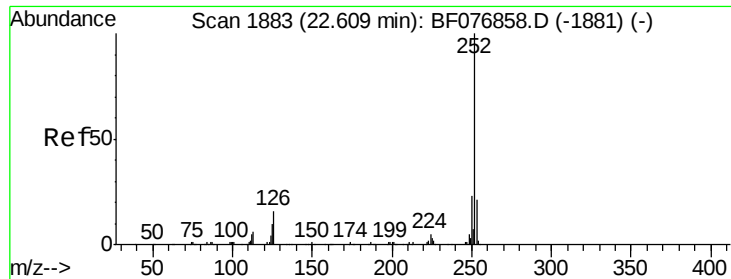
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#87
Benzo(b)fluoranthene
Concen: 42.57 ng m
RT: 22.28 min Scan# 1872
Delta R.T. 0.03 min
Lab File: BF077240.D
Acq: 10 Feb 2015 18:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	12.8	9.4	14.0





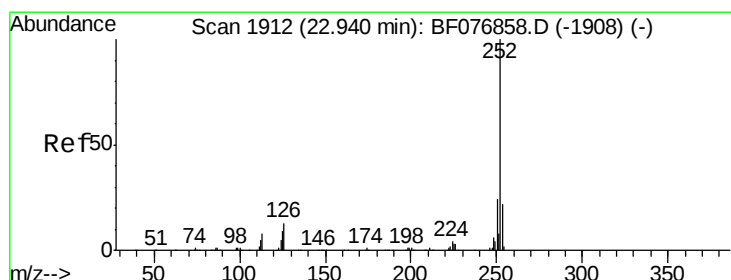
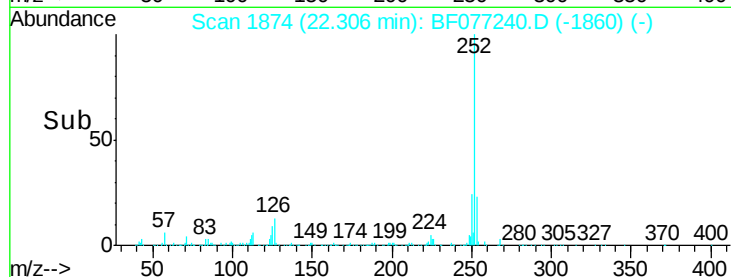
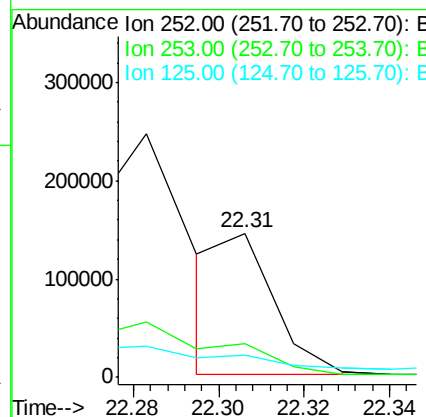
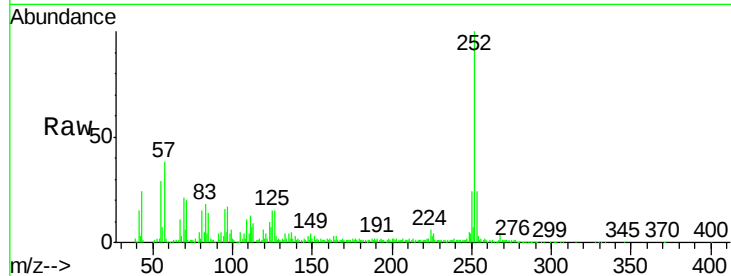
#88
Benzo(k)fluoranthene
Concen: 14.90 ng m
RT: 22.31 min Scan# 1874
Delta R.T. 0.06 min
Lab File: BF077240.D
Acq: 10 Feb 2015 18:06

Instrument :
BNA_F
ClientSampleId :
UB10A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.2	25.8
125	15.1	7.1	10.7

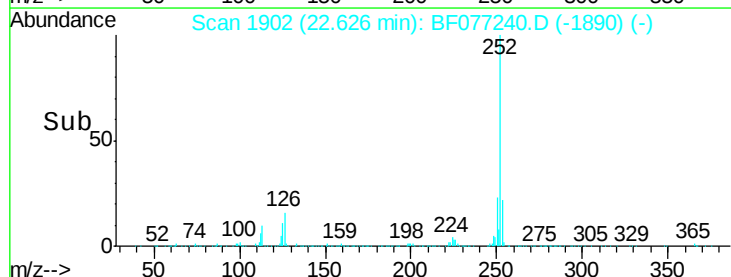
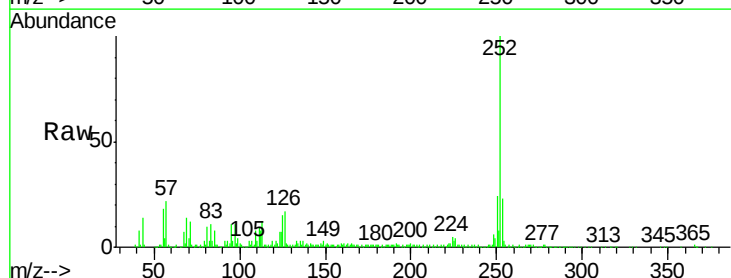
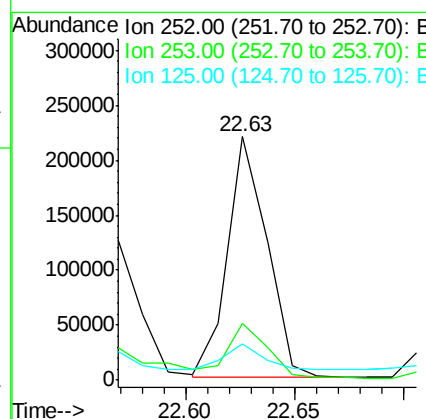
Manual Integrations
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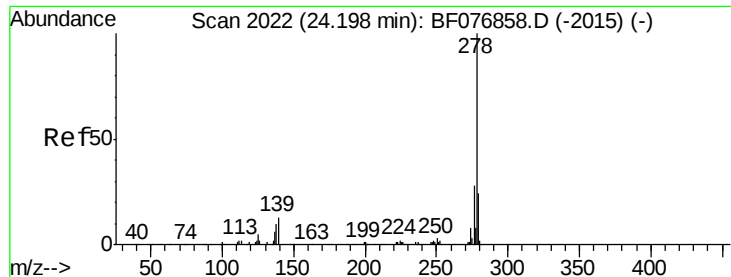
apatel
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#89
Benzo(a)pyrene
Concen: 33.20 ng
RT: 22.63 min Scan# 1902
Delta R.T. 0.03 min
Lab File: BF077240.D
Acq: 10 Feb 2015 18:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	14.9	7.2	10.8





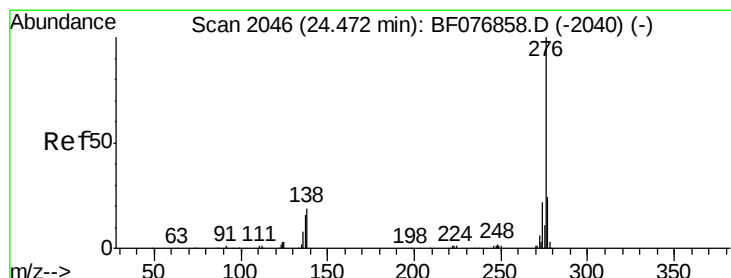
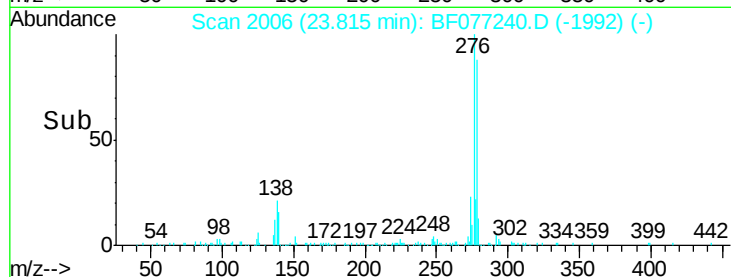
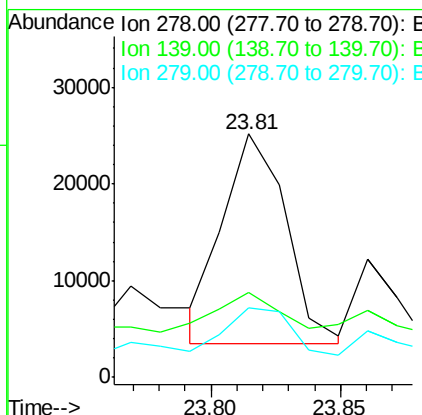
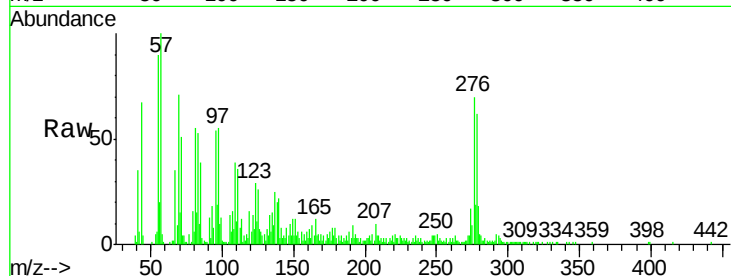
#90
Dibenzo(a,h)anthracene
Concen: 4.75 ng m
RT: 23.81 min Scan# 2006
Delta R.T. 0.06 min
Lab File: BF077240.D
Acq: 10 Feb 2015 18:06

Instrument :
BNA_F
ClientSampleId :
UB10A

Tot Ion	Ratio	Lower	Upper
278	100		
139	34.9	10.5	15.7#
279	28.5	19.3	28.9

Manual Integrations
APPROVED

apatel
2/11/2015 4:06:30 PM



#91
Benzo(g,h,i)perylene
Concen: 16.63 ng m
RT: 24.07 min Scan# 2028
Delta R.T. 0.07 min
Lab File: BF077240.D
Acq: 10 Feb 2015 18:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	19.5	29.3
138	20.7	15.0	22.6

