

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
 Data File : BF077523.D
 Acq On : 2 Mar 2015 15:36
 Operator : TP/IZ
 Sample : G1399-04 5X
 Misc : S
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB12

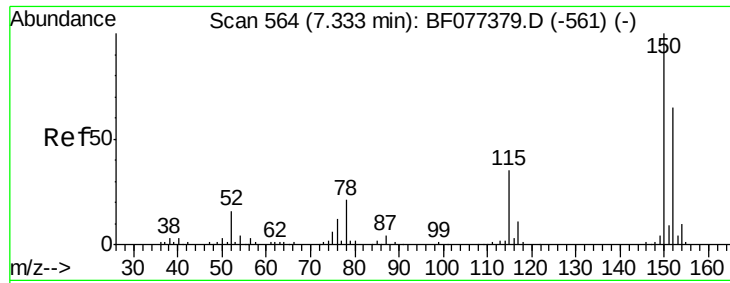
Manual Integrations
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Quant Time: Mar 03 01:20:34 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 02 23:46:07 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.26	152	102530	20.00	ng	0.00
21) Naphthalene-d8	8.83	136	422924	20.00	ng	0.00
38) Acenaphthene-d10	11.01	164	216520	20.00	ng	0.00
63) Phenanthrene-d10	12.85	188	441479	20.00	ng	0.00
75) Chrysene-d12	16.15	240	455954	20.00	ng	0.01
86) Perylene-d12	17.94	264	463082	20.00	ng	0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	96607	15.73	ng	0.00
7) Phenol-d6	6.81	99	129296	16.37	ng	0.00
23) Nitrobenzene-d5	7.95	82	73918	10.87	ng	0.00
41) 2,4,6-Tribromophenol	11.99	330	24388	11.70	ng	0.00
44) 2-Fluorobiphenyl	10.18	172	179983	12.96	ng	0.00
78) Terphenyl-d14	14.84	244	212010	10.87	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	12.88	178	55104	2.15	ng	98
74) Fluoranthene	14.36	202	101474	3.63	ng	97
77) Pyrene	14.64	202	112829	4.05	ng	98
80) Benzo(a)anthracene	16.14	228	56239	2.10	ng	96
87) Benzo(b)fluoranthene	17.48	252	69364m	2.58	ng	

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



#1

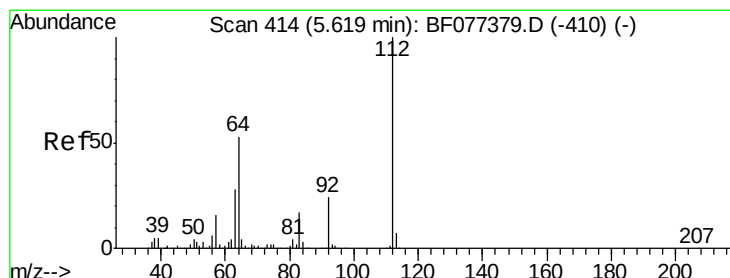
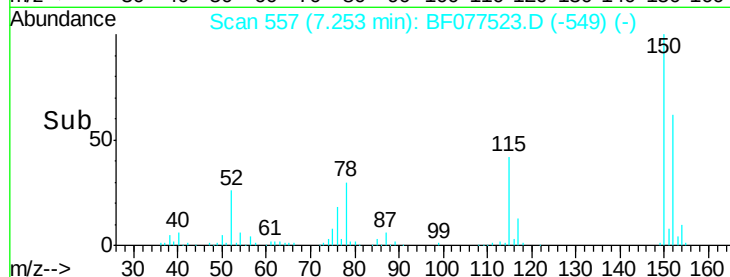
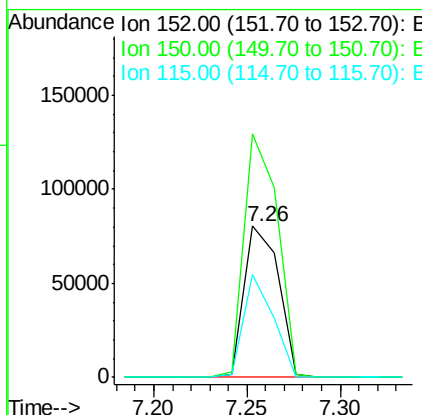
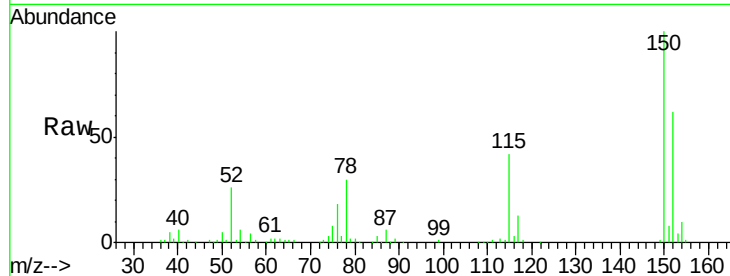
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.26 min Scan# 557
Delta R.T. -0.00 min
Lab File: BF077523.D
Acq: 2 Mar 2015 15:36

Instrument :
BNA_F
ClientSampleId :
SB12

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	102530		
150	161.3	124.0	186.0	
115	68.2	49.4	74.2	

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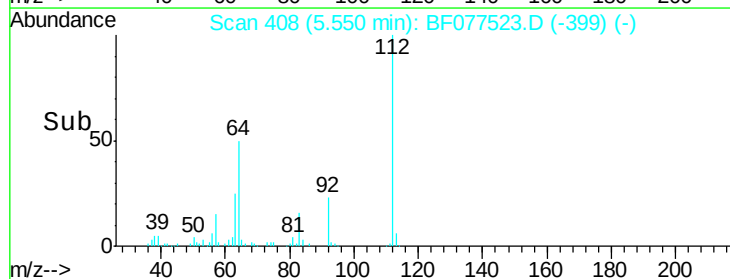
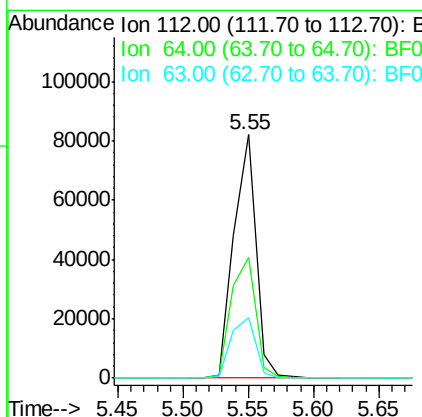
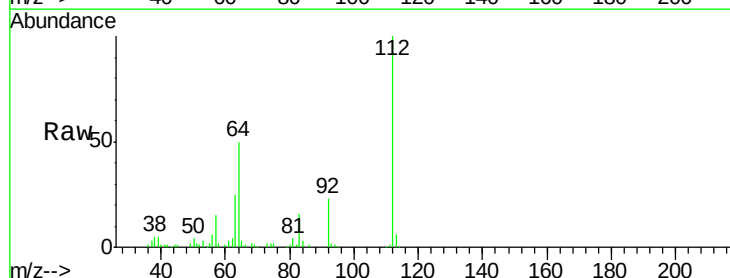
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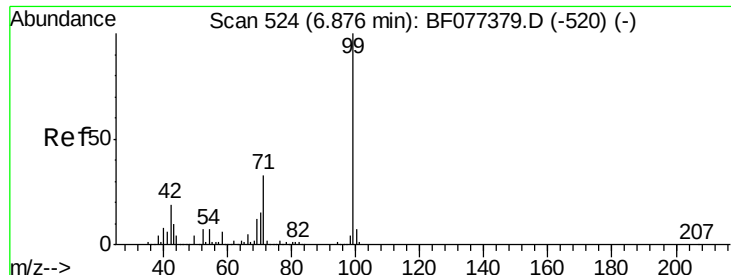


#5

2-Fluorophenol
Concen: 15.73 ng
RT: 5.55 min Scan# 408
Delta R.T. 0.00 min
Lab File: BF077523.D
Acq: 2 Mar 2015 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	96607		
64	49.6	48.5	72.7	
63	24.7	25.0	37.4#	





#7

Phenol-d6

Concen: 16.37 ng

RT: 6.81 min Scan# 518

Delta R.T. -0.00 min

Lab File: BF077523.D

Acq: 2 Mar 2015 15:36

Instrument :

BNA_F

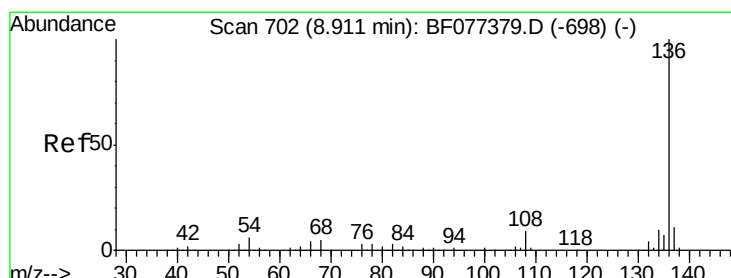
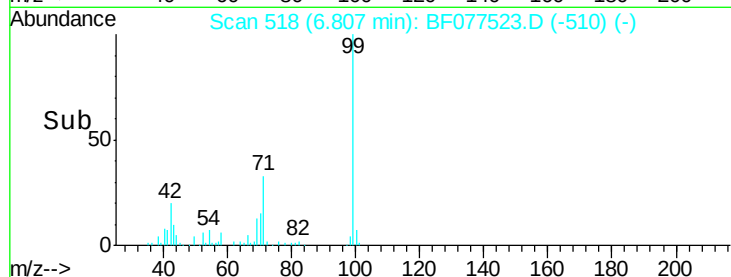
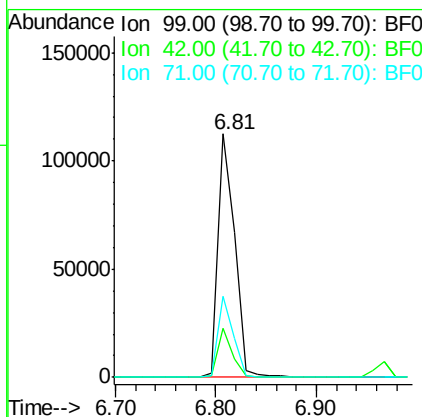
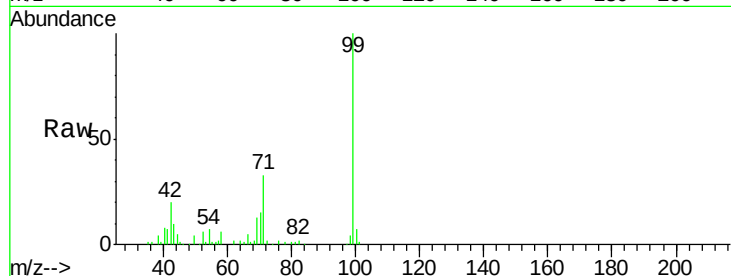
ClientSampleId :

SB12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		129296		
42	19.9	16.2	24.4		
71	33.1	26.7	40.1		

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#21

Naphthalene-d8

Concen: 20.00 ng

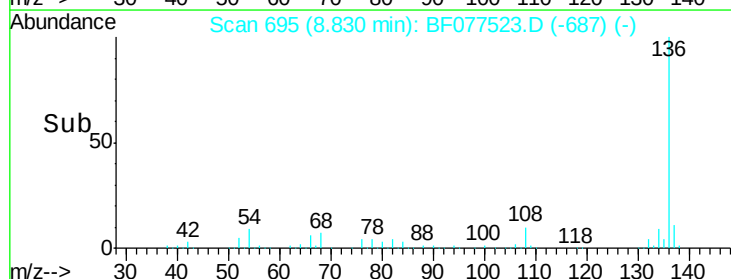
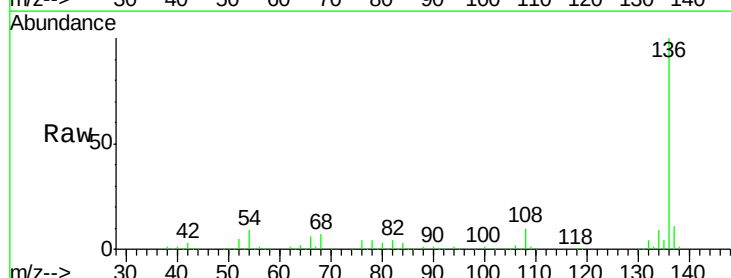
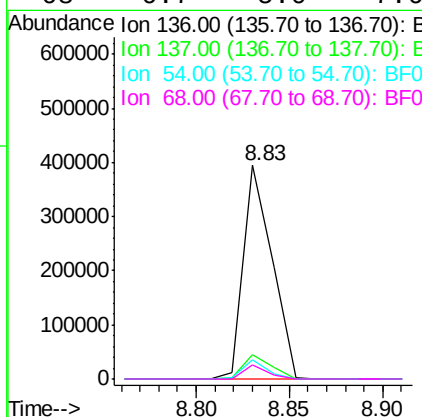
RT: 8.83 min Scan# 695

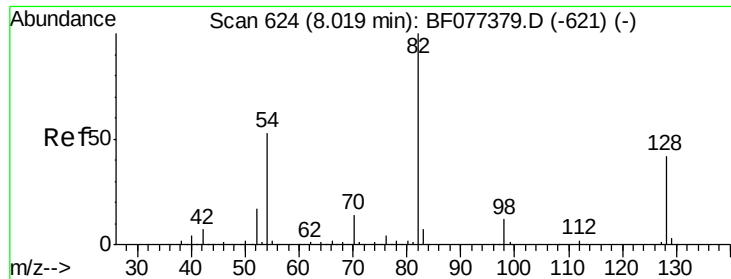
Delta R.T. -0.00 min

Lab File: BF077523.D

Acq: 2 Mar 2015 15:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		422924		
137	11.5	8.6	13.0		
54	9.2	6.2	9.4		
68	6.7	5.0	7.6		





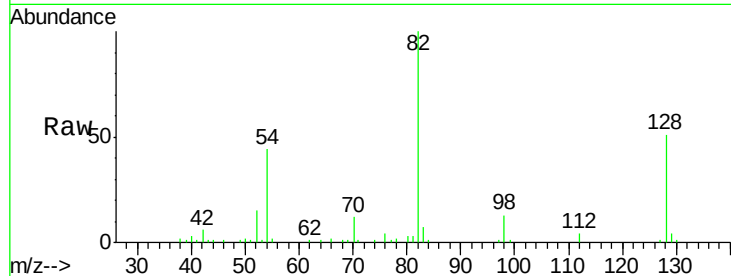
#23
 Nitrobenzene-d5
 Concen: 10.87 ng
 RT: 7.95 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: BF077523.D
 Acq: 2 Mar 2015 15:36

Instrument :
 BNA_F
 ClientSampled :
 SB12

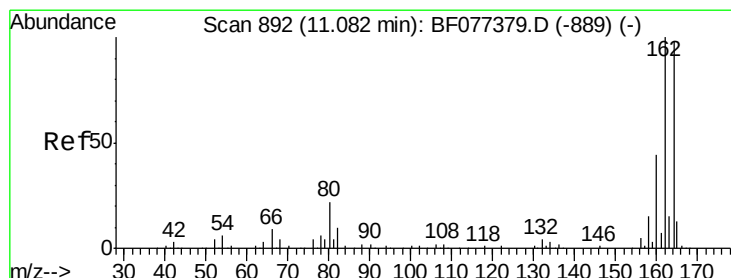
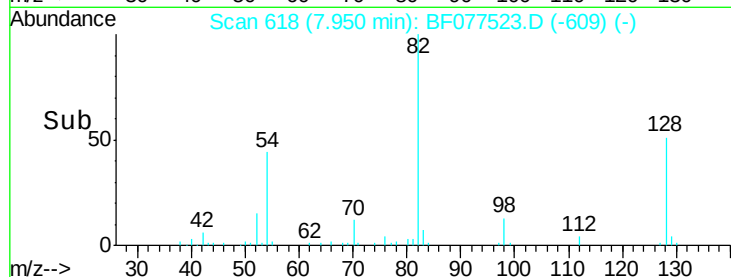
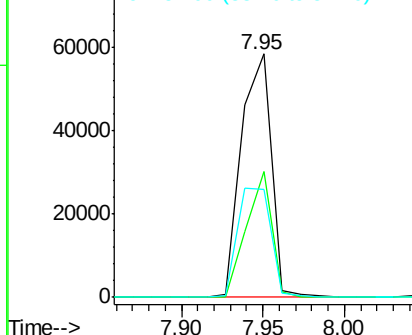
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	73918		
128	51.4	43.8	65.8	
54	44.3	36.7	55.1	

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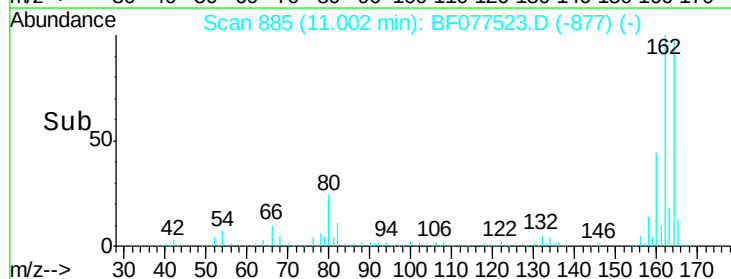
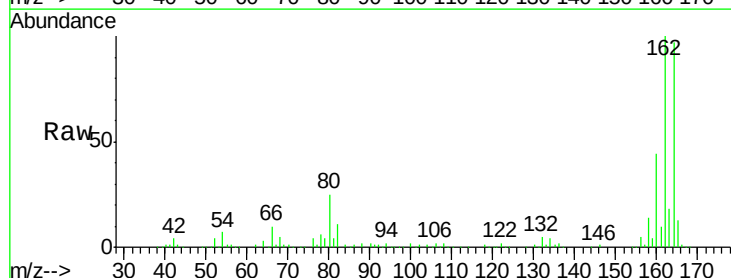
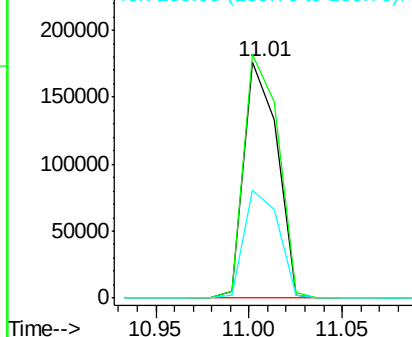
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

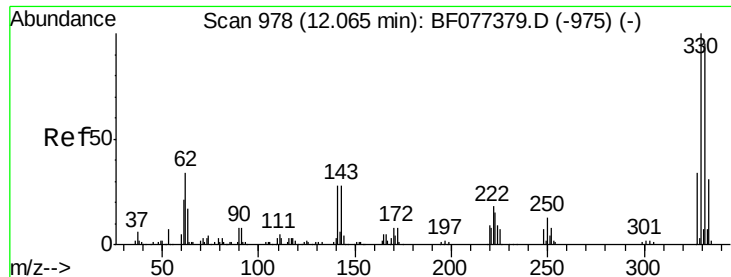


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.01 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: BF077523.D
 Acq: 2 Mar 2015 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	216520		
162	103.1	83.2	124.8	
160	45.6	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





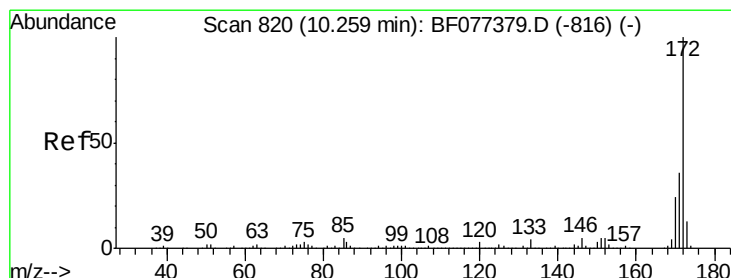
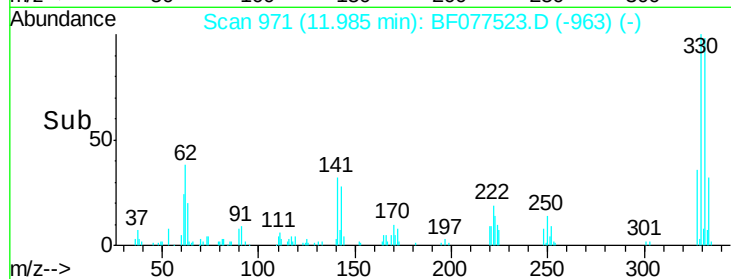
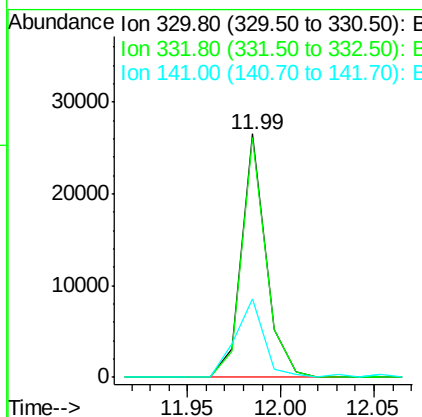
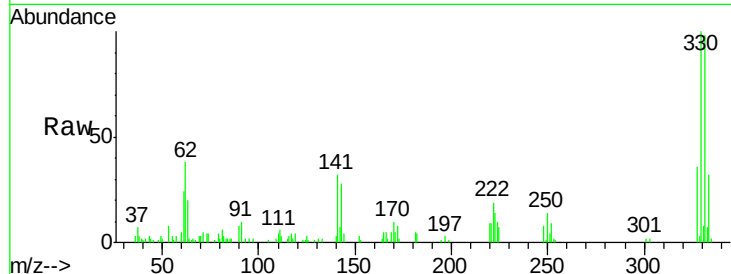
#41
 2,4,6-Tribromophenol
 Concen: 11.70 ng
 RT: 11.99 min Scan# 971
 Delta R.T. -0.00 min
 Lab File: BF077523.D
 Acq: 2 Mar 2015 15:36

Instrument :
 BNA_F
 ClientSampleId :
 SB12

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	24388		
332	97.5	77.4	116.2	
141	37.8	28.8	43.2	

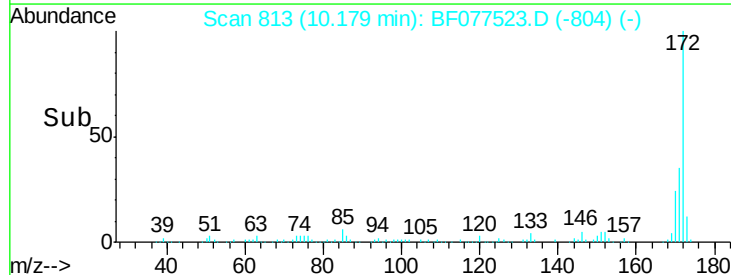
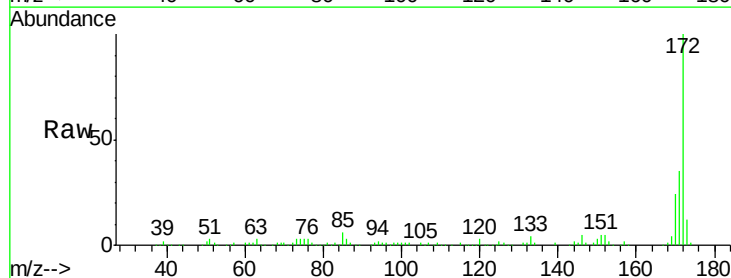
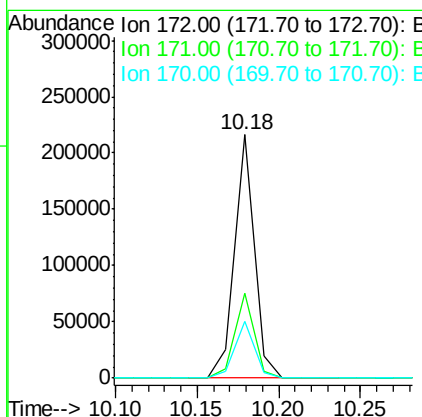
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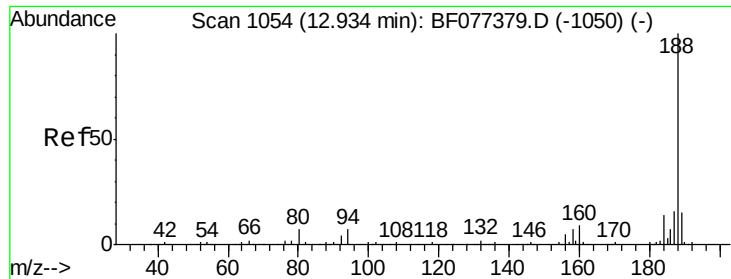
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#44
 2-Fluorobiphenyl
 Concen: 12.96 ng
 RT: 10.18 min Scan# 813
 Delta R.T. -0.00 min
 Lab File: BF077523.D
 Acq: 2 Mar 2015 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	179983		
171	34.8	28.9	43.3	
170	23.6	19.4	29.2	





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.85 min Scan# 1047

Delta R.T. 0.00 min

Lab File: BF077523.D

Acq: 2 Mar 2015 15:36

Instrument :

BNA_F

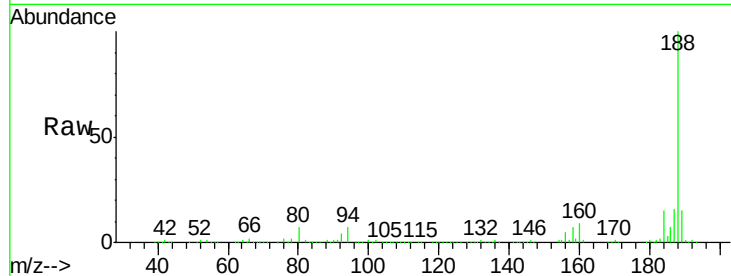
ClientSampled :

SB12

Tgt Ion:	188	Resp:	441479
Ion Ratio	Lower	Upper	
188	100		
94	7.2	7.4	11.2#
80	7.2	8.0	12.0#

Manual Integrations
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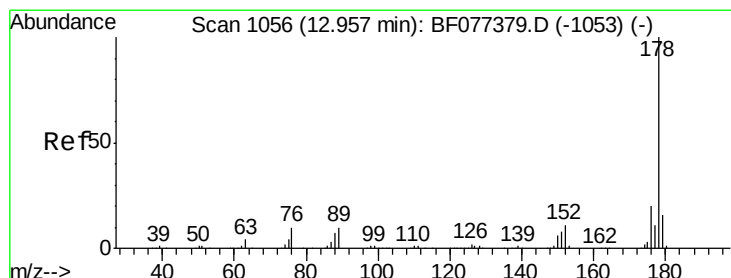
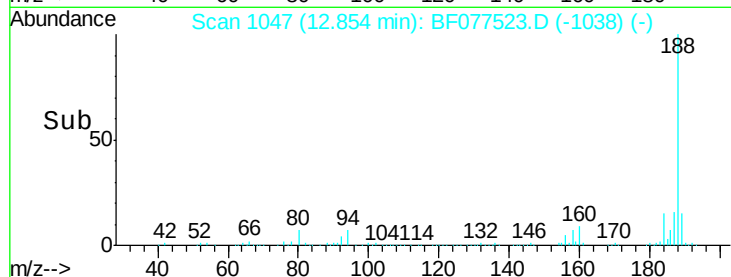
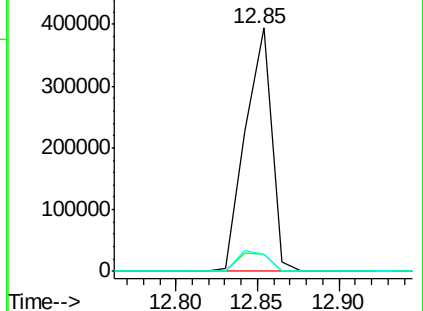
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 2.15 ng

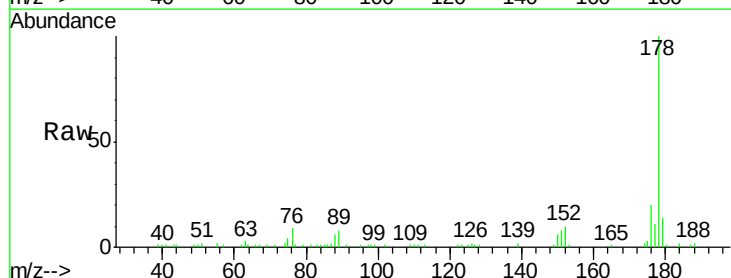
RT: 12.88 min Scan# 1049

Delta R.T. -0.00 min

Lab File: BF077523.D

Acq: 2 Mar 2015 15:36

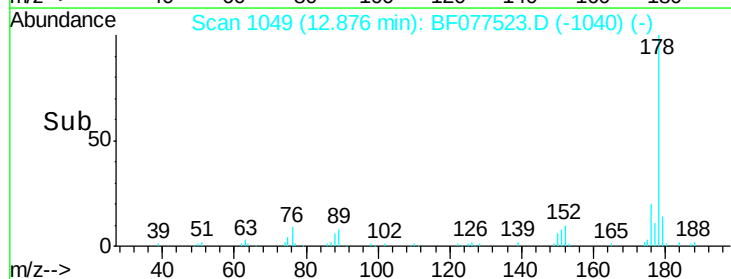
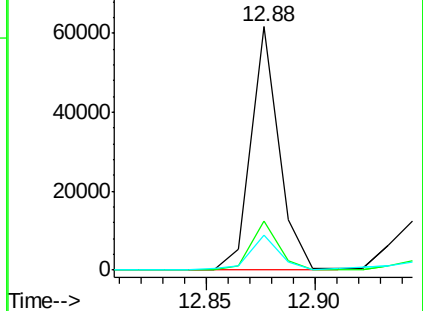
Tgt Ion:	178	Resp:	55104
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.5	23.3
179	14.3	12.2	18.2

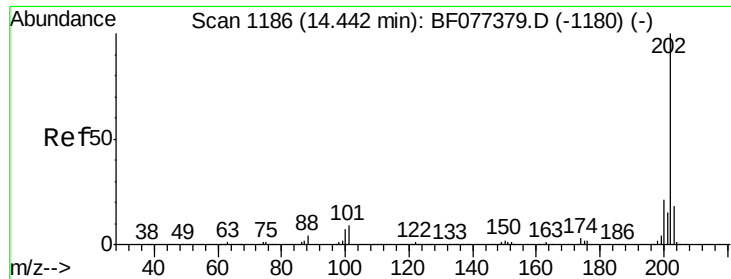


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





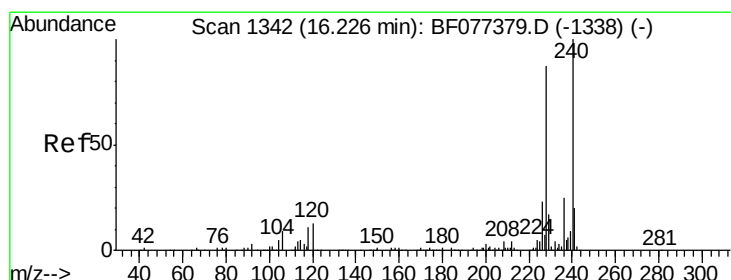
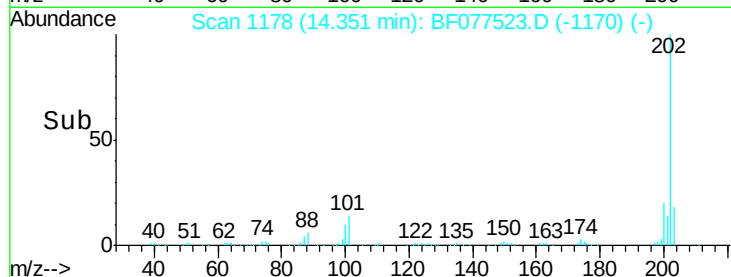
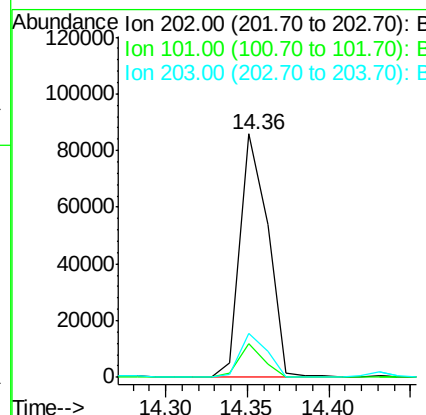
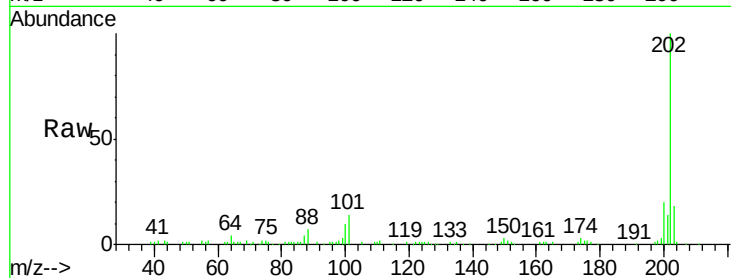
#74
 Fluoranthene
 Concen: 3.63 ng
 RT: 14.36 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: BF077523.D
 Acq: 2 Mar 2015 15:36

Instrument :
 BNA_F
 ClientSampled :
 SB12

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	13.9	0.0	30.8
203	17.9	0.0	37.7

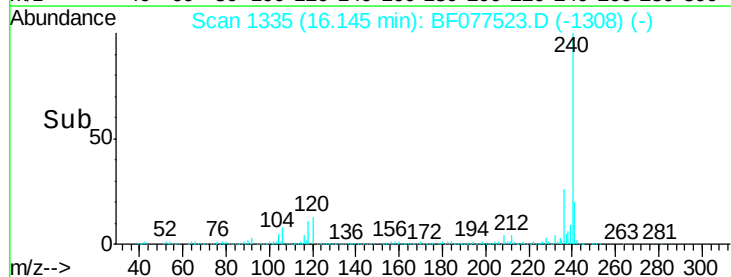
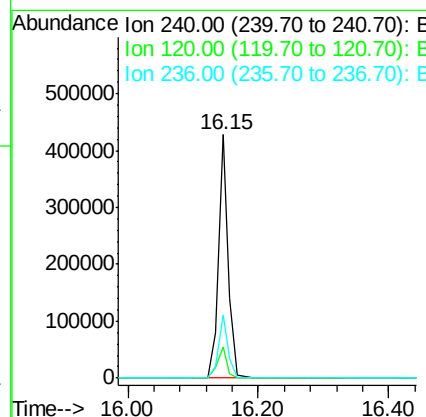
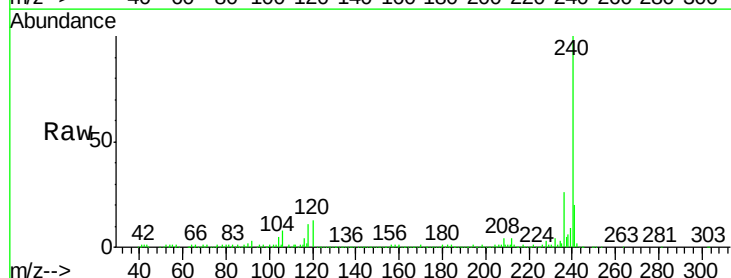
Manual Integrations
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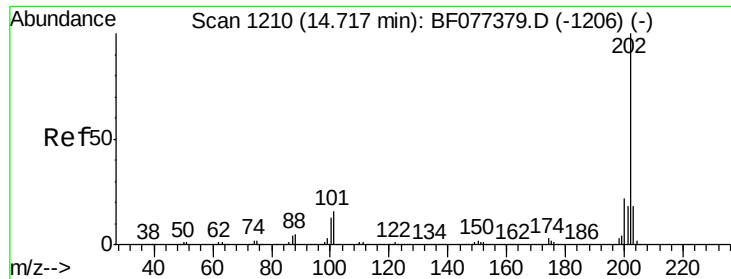
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.15 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: BF077523.D
 Acq: 2 Mar 2015 15:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	12.9	8.8	13.2
236	25.9	20.7	31.1





#77

Pyrene

Concen: 4.05 ng

RT: 14.64 min Scan# 1203

Delta R.T. -0.00 min

Lab File: BF077523.D

Acq: 2 Mar 2015 15:36

Instrument :

BNA_F

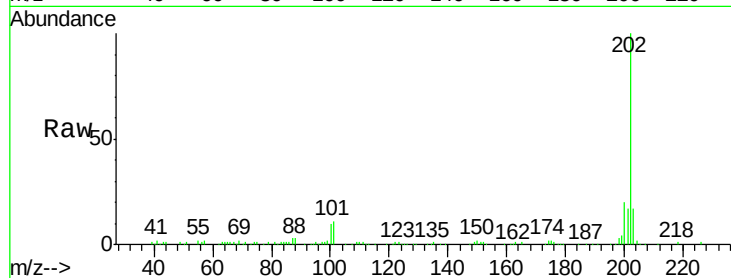
ClientSampled :

SB12

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.3	17.1	25.7	
203	17.0	14.2	21.2	

Manual Integrations
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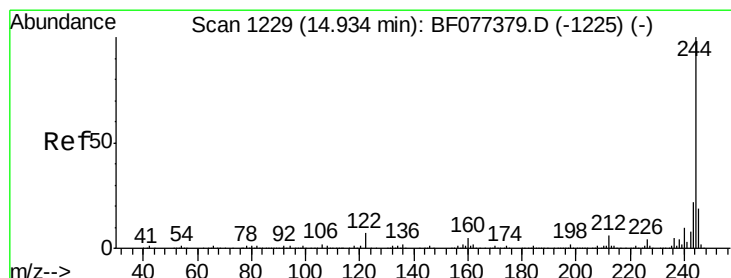
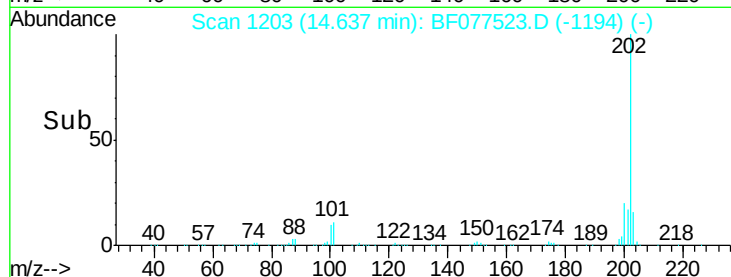
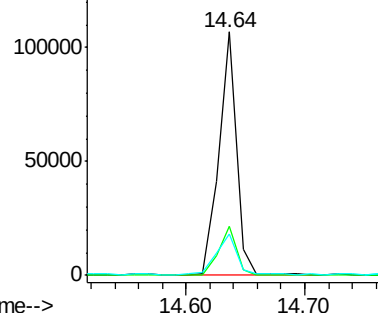
apatel
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 10.87 ng

RT: 14.84 min Scan# 1221

Delta R.T. -0.00 min

Lab File: BF077523.D

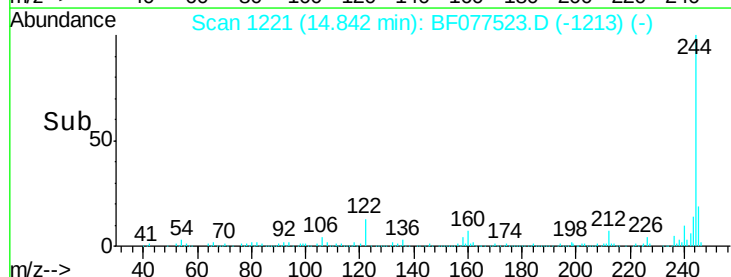
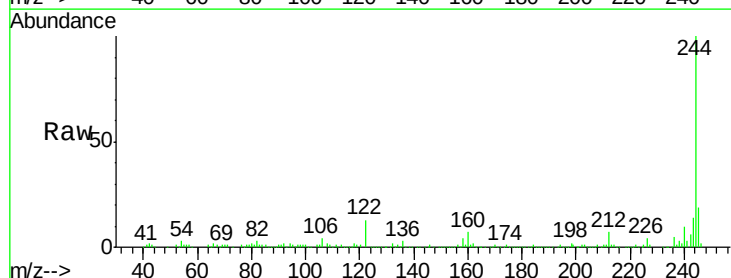
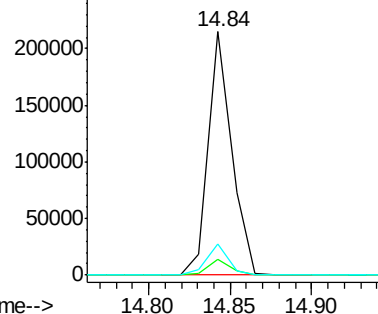
Acq: 2 Mar 2015 15:36

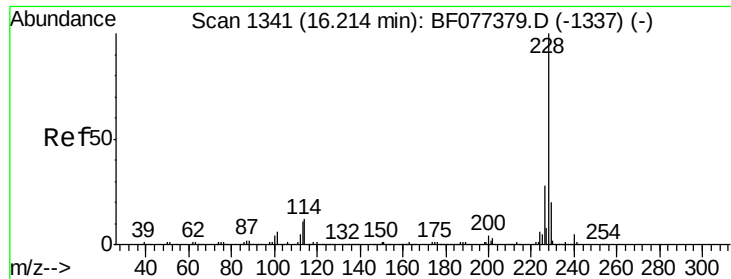
Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.5	5.2	7.8	
122	12.6	7.8	11.8#	

Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





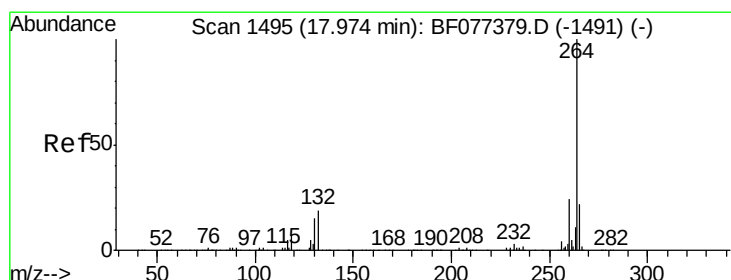
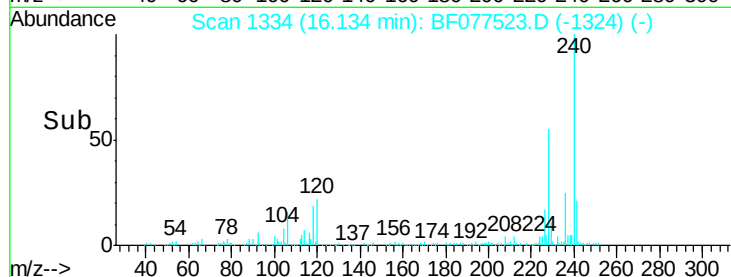
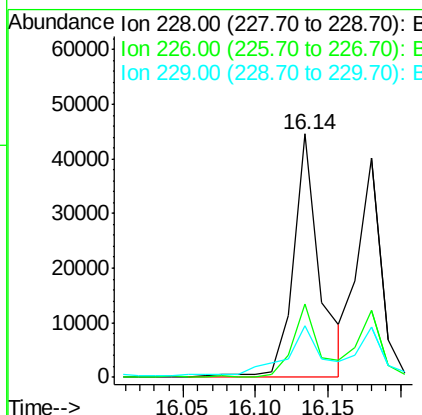
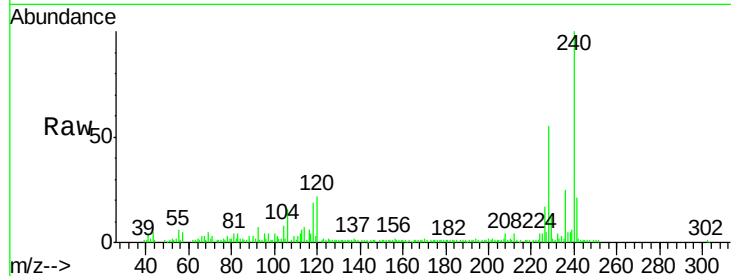
#80
Benzo(a)anthracene
Concen: 2.10 ng
RT: 16.14 min Scan# 1334
Delta R.T. 0.01 min
Lab File: BF077523.D
Acq: 2 Mar 2015 15:36

Instrument :
BNA_F
ClientSampleId :
SB12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.0	33.0
229	21.0	15.8	23.8

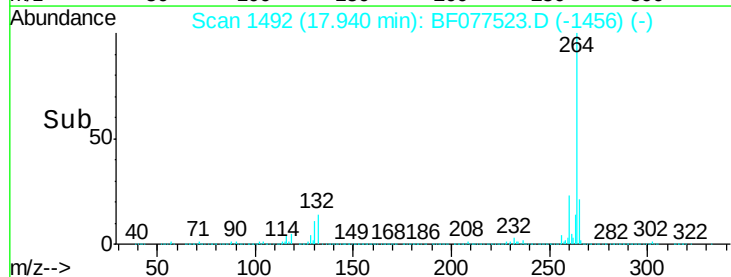
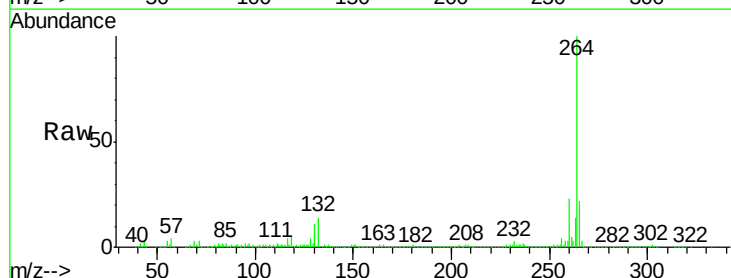
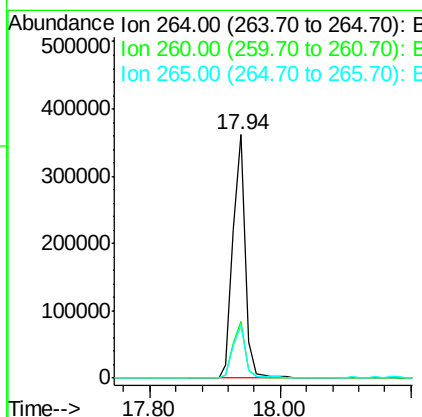
Manual Integrations
APPROVED

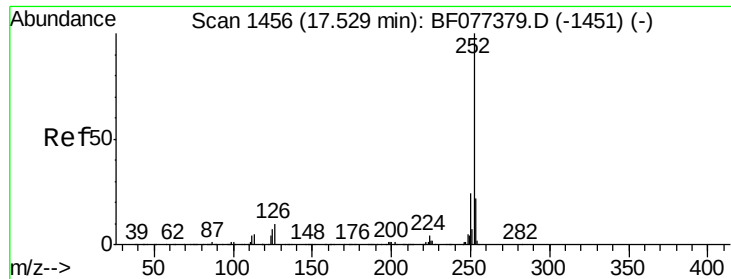
apatel
3/3/2015 6:26:43 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 17.94 min Scan# 1492
Delta R.T. 0.11 min
Lab File: BF077523.D
Acq: 2 Mar 2015 15:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.3	28.9
265	21.5	16.8	25.2





#87
 Benzo(b)fluoranthene
 Concen: 2.58 ng m
 RT: 17.48 min Scan# 1452
 Delta R.T. 0.09 min
 Lab File: BF077523.D
 Acq: 2 Mar 2015 15:36

Instrument :
 BNA_F
 ClientSampleId :
 SB12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	18.9	5.4	8.2#

Manual Integrations
 APPROVED

apatel
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