

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032715\
 Data File : BF078068.D
 Acq On : 28 Mar 2015 8:22
 Operator : TP/IZ
 Sample : G1667-21
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 REC-7-1-4(1.5-2.0)

Manual Integrations
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Quant Time: Mar 30 01:35:12 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 30 00:50:20 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.07	152	37836	20.00	ng	0.00
21) Naphthalene-d8	8.65	136	159102	20.00	ng	0.00
38) Acenaphthene-d10	10.82	164	75760	20.00	ng	0.00
63) Phenanthrene-d10	12.65	188	153023	20.00	ng	0.00
75) Chrysene-d12	15.93	240	168525	20.00	ng	0.00
86) Perylene-d12	17.70	264	169712	20.00	ng	0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	44360	20.46	ng	0.00
7) Phenol-d6	6.67	99	49314	18.41	ng	0.00
23) Nitrobenzene-d5	7.77	82	34949	14.40	ng	-0.01
41) 2,4,6-Tribromophenol	11.80	330	25243	34.82	ng	0.00
44) 2-Fluorobiphenyl	10.00	172	111094	21.55	ng	0.00
78) Terphenyl-d14	14.65	244	249804	36.21	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	12.68	178	19651	2.24	ng	99
74) Fluoranthene	14.16	202	52773	5.45	ng	99
77) Pyrene	14.43	202	50935	4.81	ng	99
80) Benzo(a)anthracene	15.92	228	29954	3.00	ng	97
82) Chrysene	15.96	228	28022	3.12	ng	98
87) Benzo(b)fluoranthene	17.24	252	37520m	3.39	ng	
89) Benzo(a)pyrene	17.63	252	26413	2.86	ng	# 94

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

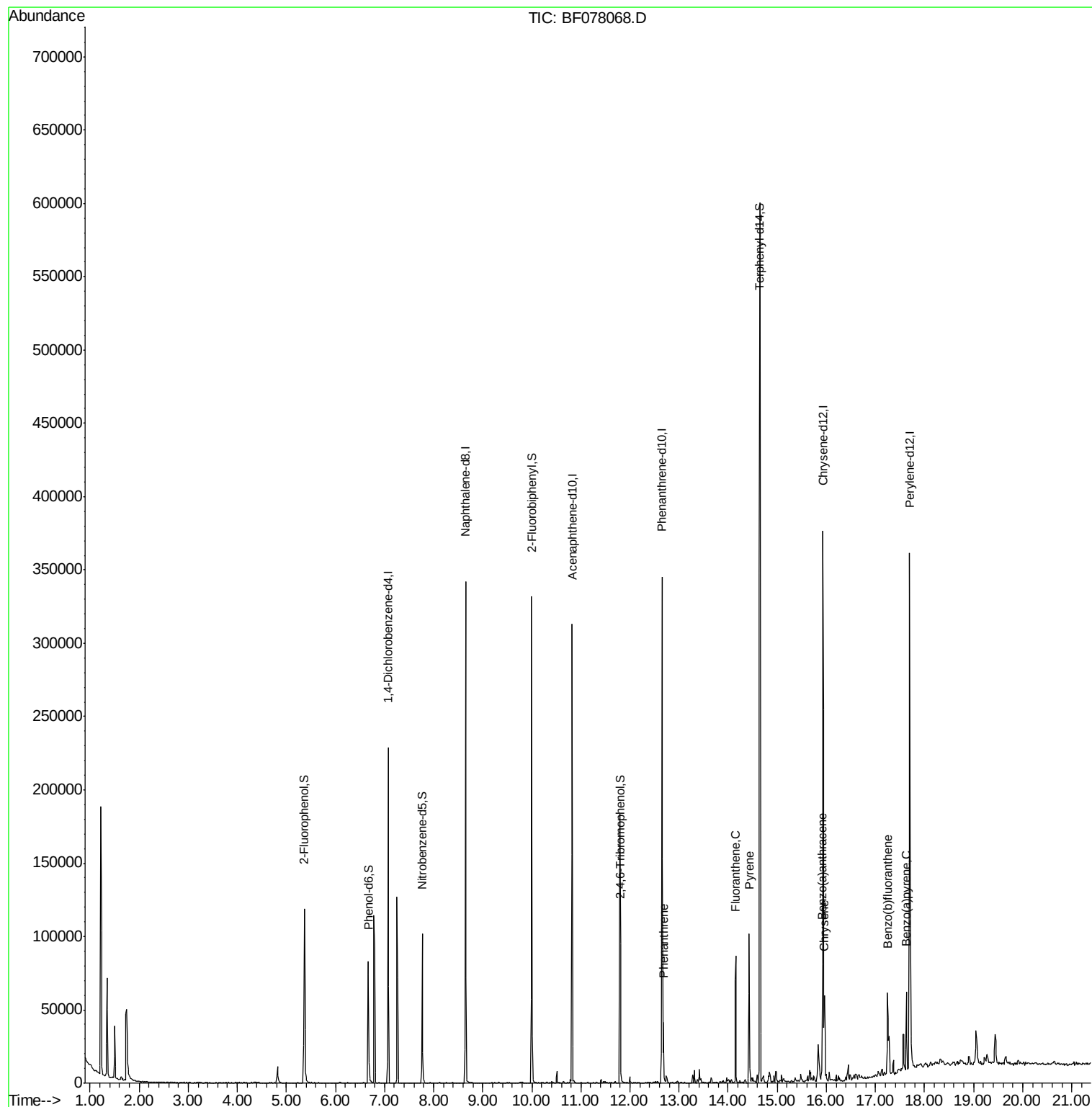
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032715\
Data File : BF078068.D
Acq On : 28 Mar 2015 8:22
Operator : TP/IZ
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Misc :
ALS Vial : 31 Sample Multiplier: 1

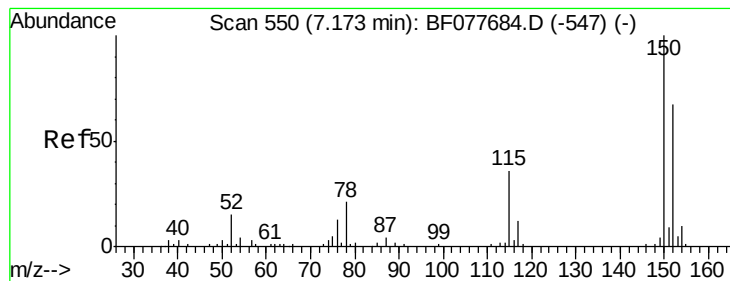
Instrument :
BNA_F
ClientSampleId :
REC-7-1-4(1.5-2.0)

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Quant Time: Mar 30 01:35:12 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M
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#1

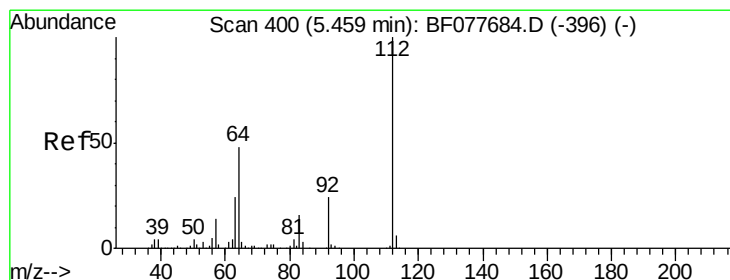
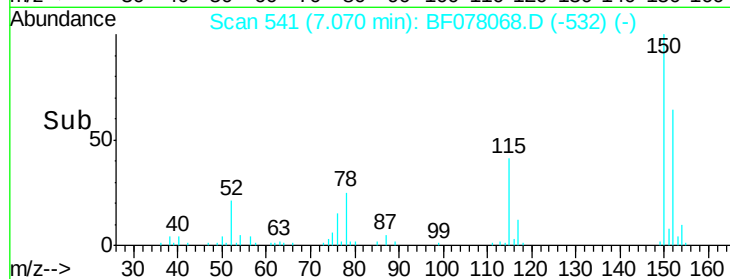
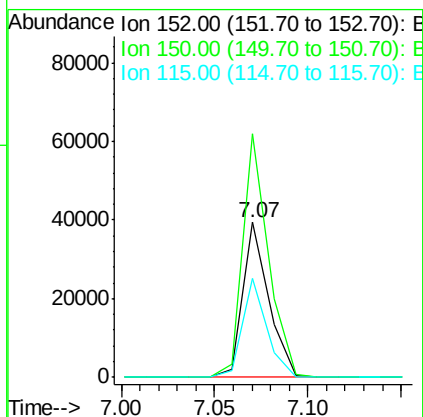
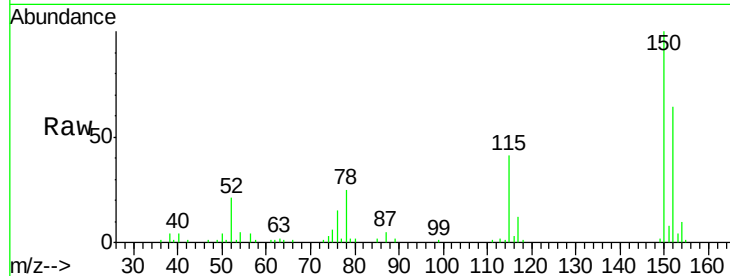
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.07 min Scan# 541
Delta R.T. -0.00 min
Lab File: BF078068.D
Acq: 28 Mar 2015 8:22

Instrument :
BNA_F
ClientSampleId :
REC-7-1-4(1.5-2.0)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	119.5	179.3
115	64.1	43.0	64.4

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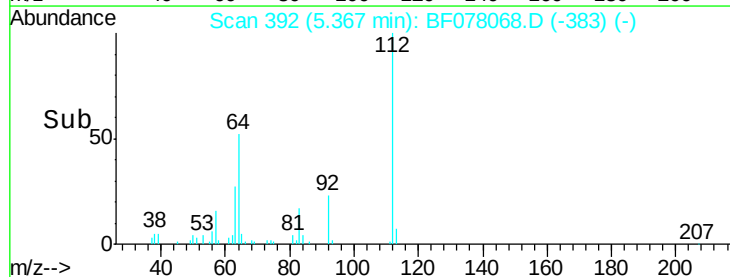
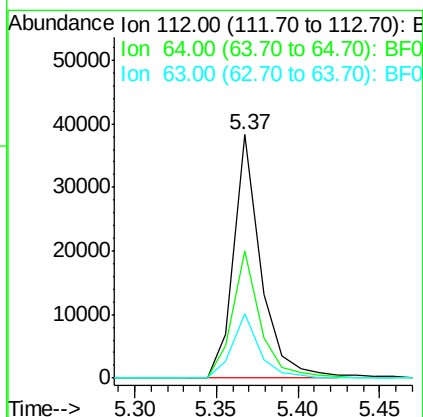
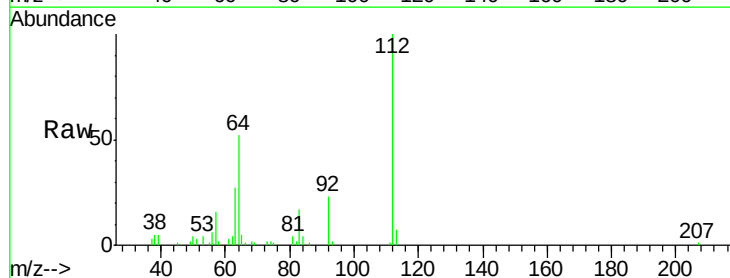
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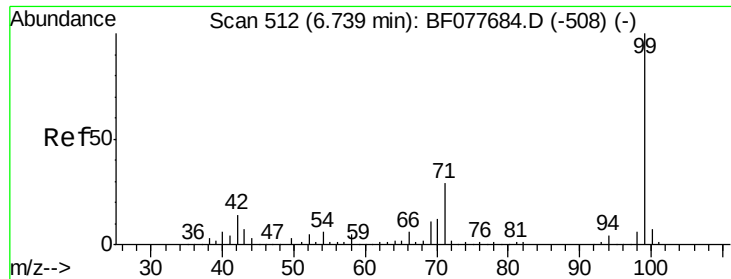


#5

2-Fluorophenol
Concen: 20.46 ng
RT: 5.37 min Scan# 392
Delta R.T. -0.00 min
Lab File: BF078068.D
Acq: 28 Mar 2015 8:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	38.6	57.8
63	26.5	19.3	28.9





#7

Phenol-d6

Concen: 18.41 ng

RT: 6.67 min Scan# 506

Delta R.T. -0.00 min

Lab File: BF078068.D

Acq: 28 Mar 2015 8:22

Instrument :

BNA_F

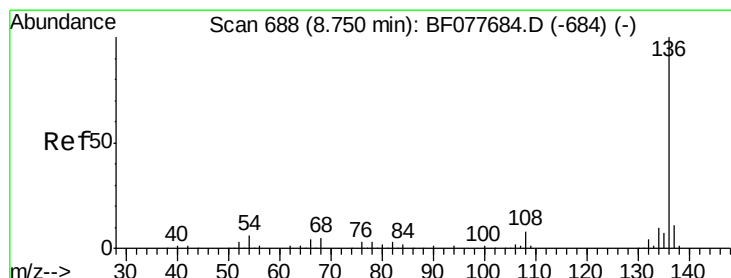
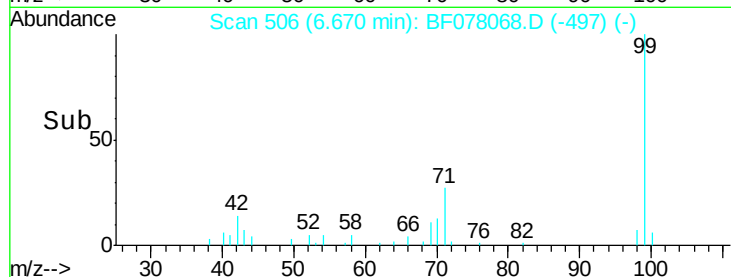
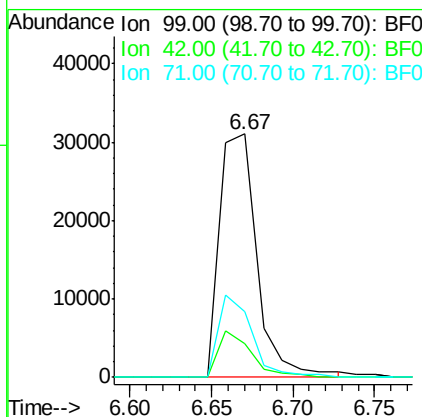
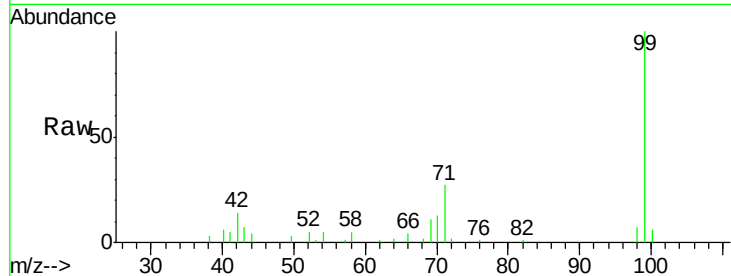
ClientSampleId :

REC-7-1-4(1.5-2.0)

Tot Ion:	99	Resp:	49314
Ion Ratio	Lower	Upper	
99	100		
42	14.1	11.0	16.4
71	27.2	23.4	35.2

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#21

Naphthalene-d8

Concen: 20.00 ng

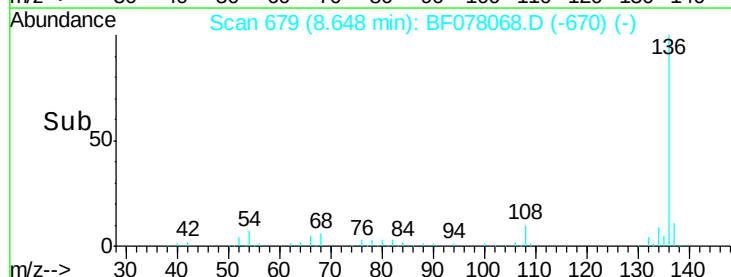
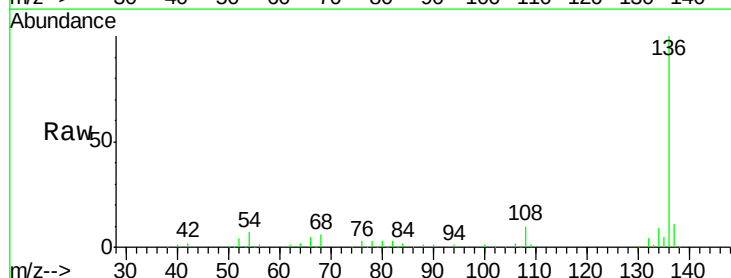
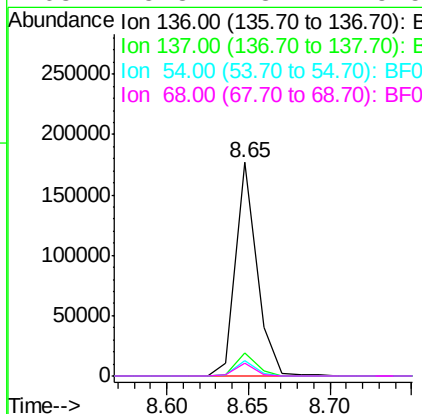
RT: 8.65 min Scan# 679

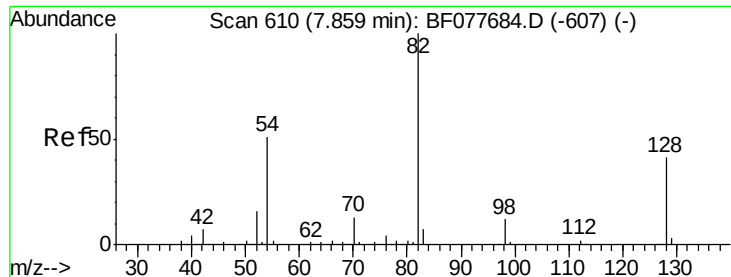
Delta R.T. -0.00 min

Lab File: BF078068.D

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Tgt Ion:	136	Resp:	159102
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.7	13.1
54	7.0	4.6	6.8#
68	5.8	3.7	5.5#





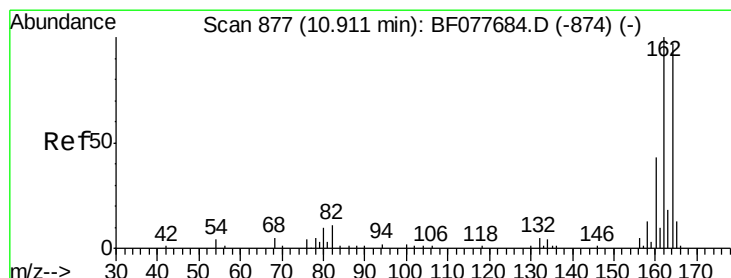
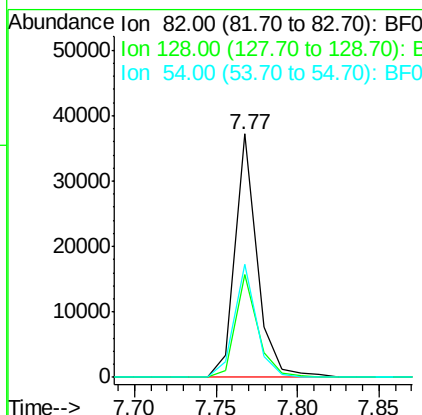
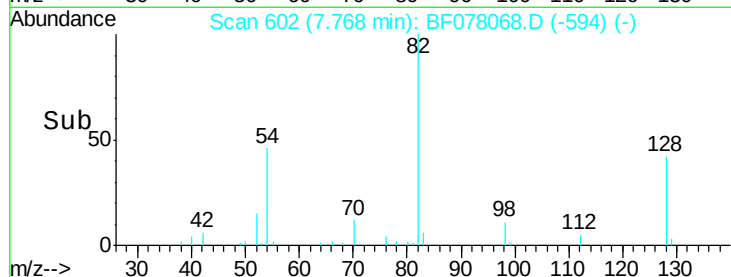
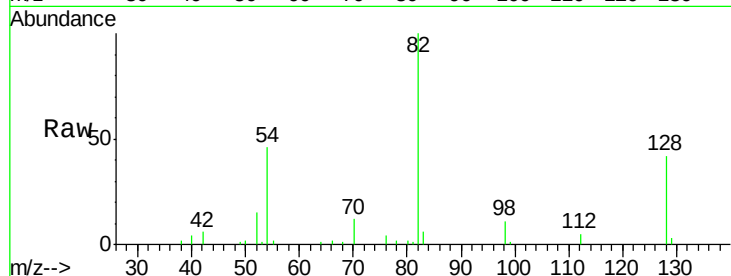
#23
Nitrobenzene-d5
Concen: 14.40 ng
RT: 7.77 min Scan# 602
Delta R.T. -0.01 min
Lab File: BF078068.D
Acq: 28 Mar 2015 8:22

Instrument :
BNA_F
ClientSampleId :
REC-7-1-4(1.5-2.0)

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.2	32.8	49.2
54	46.5	40.6	60.8

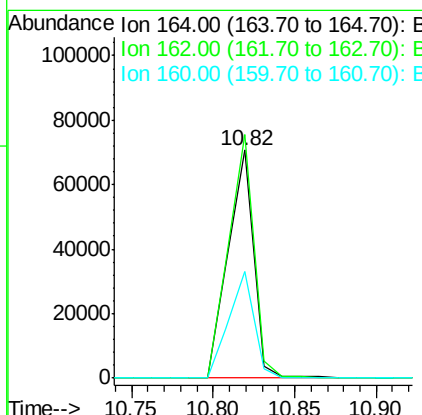
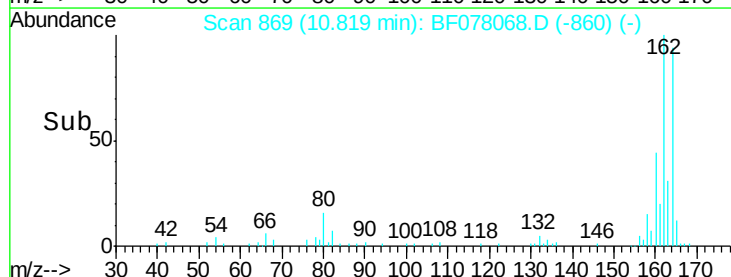
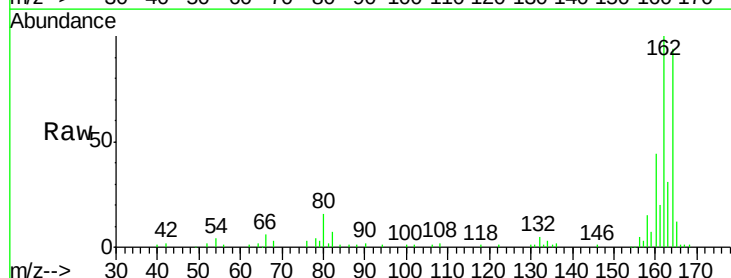
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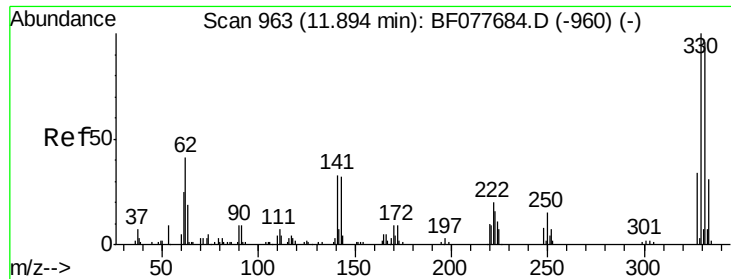
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.82 min Scan# 869
Delta R.T. -0.00 min
Lab File: BF078068.D
Acq: 28 Mar 2015 8:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.7	82.4	123.6
160	46.6	35.8	53.6





#41

2,4,6-Tribromophenol

Concen: 34.82 ng

RT: 11.80 min Scan# 955

Delta R.T. -0.00 min

Lab File: BF078068.D

Acq: 28 Mar 2015 8:22

Instrument :

BNA_F

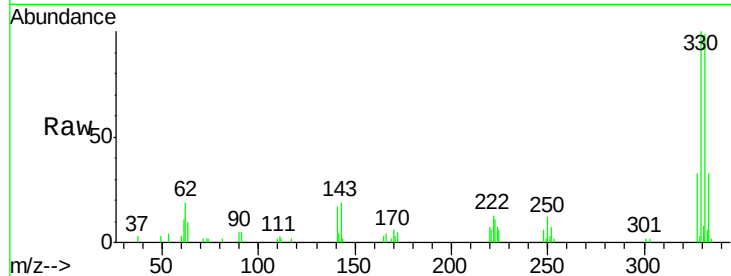
ClientSampleId :

REC-7-1-4(1.5-2.0)

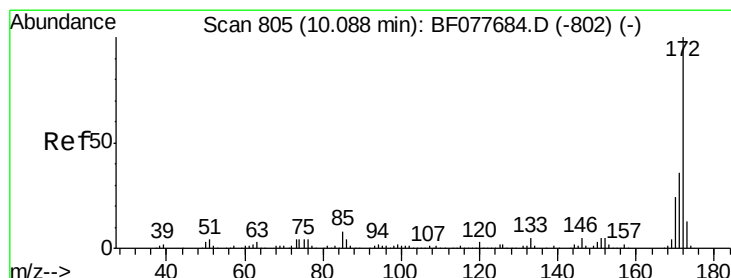
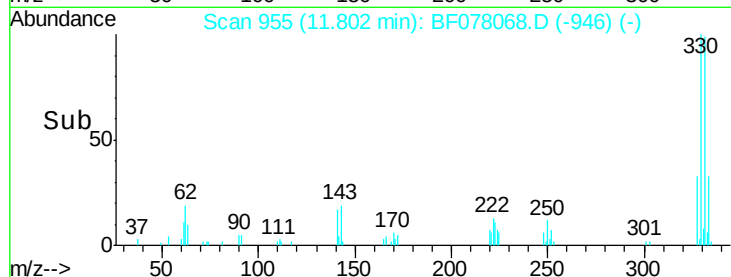
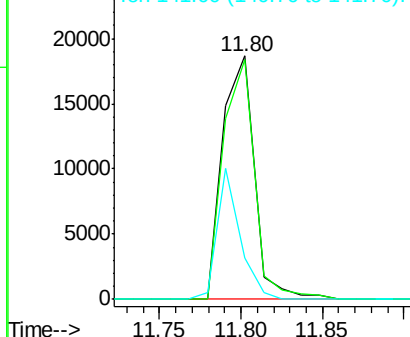
Tot Ion:	330	Resp:	25243
Ion Ratio		Lower	Upper
330	100		
332	96.7	0.0	0.0#
141	39.0	0.0	0.0#

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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: 21.55 ng

RT: 10.00 min Scan# 797

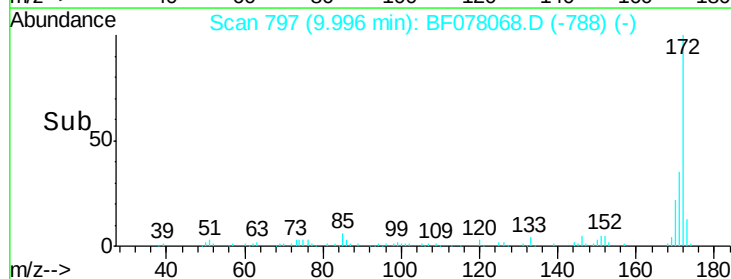
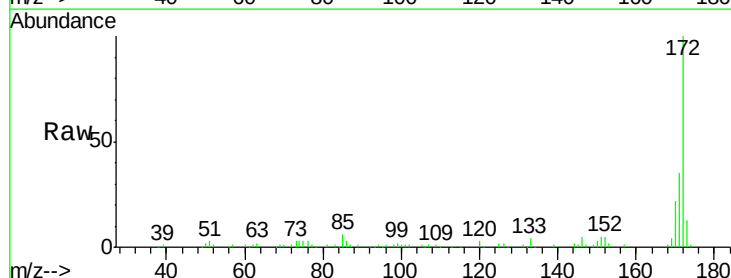
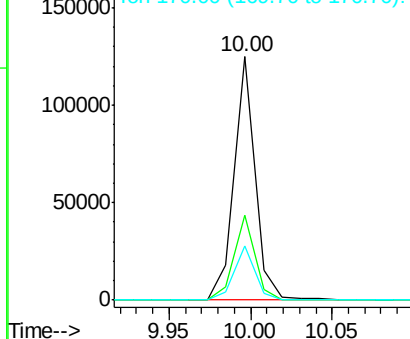
Delta R.T. -0.00 min

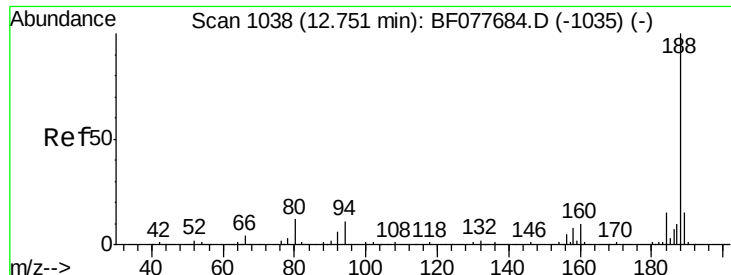
Lab File: BF078068.D

Acq: 28 Mar 2015 8:22

Tgt Ion:	172	Resp:	111094
Ion Ratio		Lower	Upper
172	100		
171	34.7	28.5	42.7
170	22.4	18.8	28.2

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





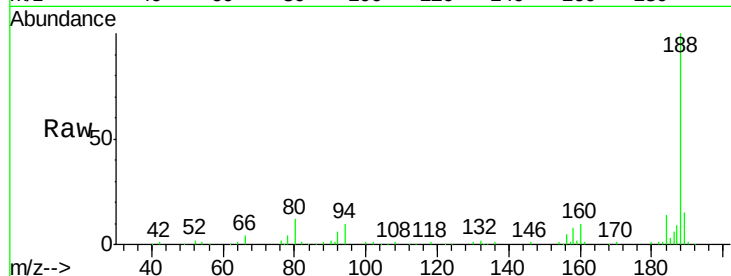
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.65 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF078068.D
Acq: 28 Mar 2015 8:22

Instrument :
BNA_F
ClientSampleId :
REC-7-1-4(1.5-2.0)

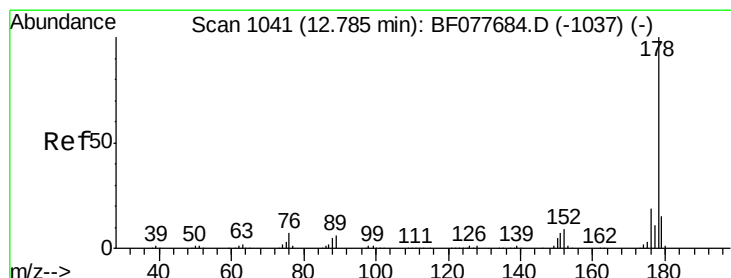
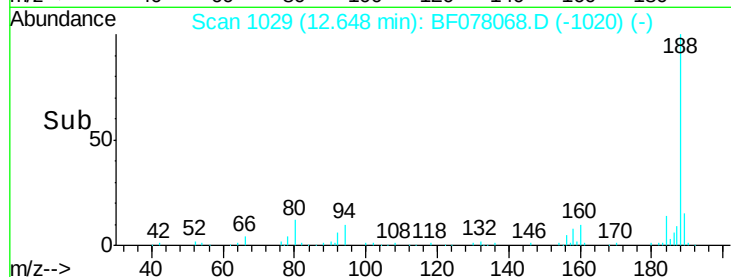
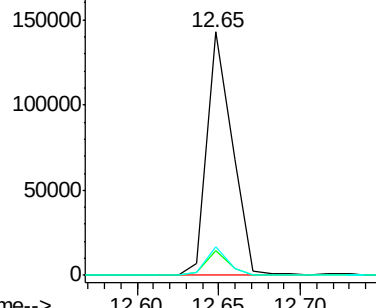
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.3	8.7	13.1
80	12.0	9.3	13.9

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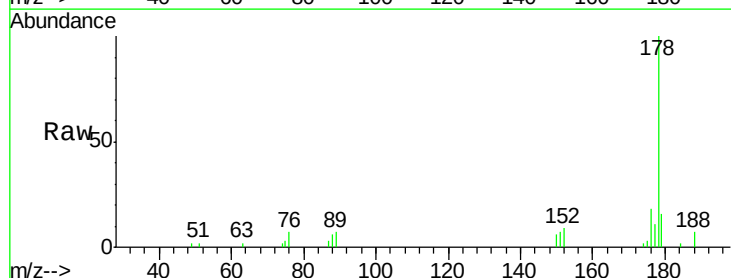


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

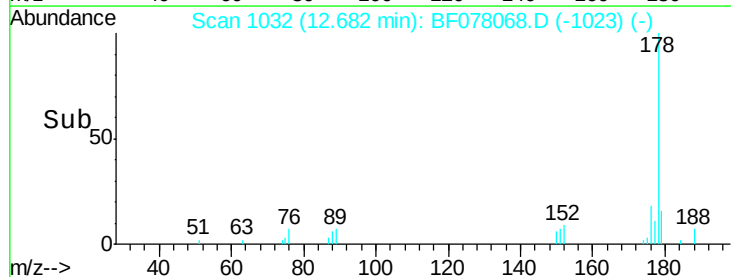
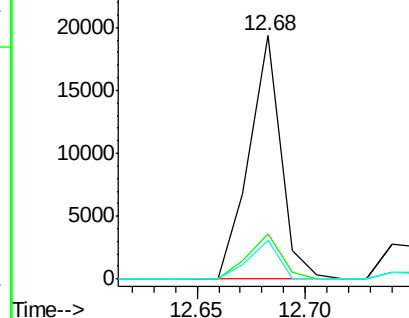


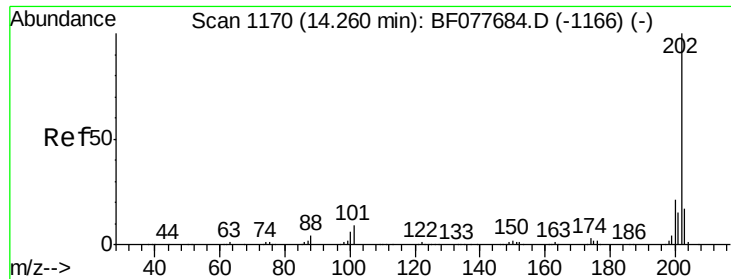
#70
Phenanthrene
Concen: 2.24 ng
RT: 12.68 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF078068.D
Acq: 28 Mar 2015 8:22

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.4	15.2	22.8
179	15.8	12.1	18.1



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





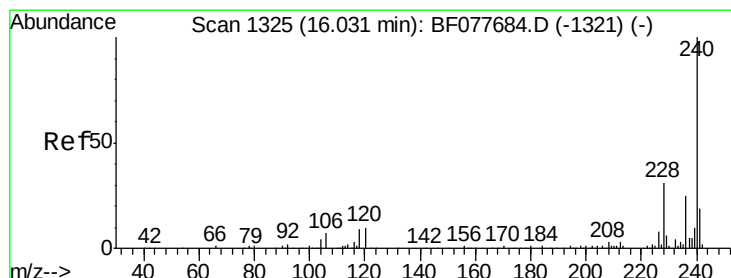
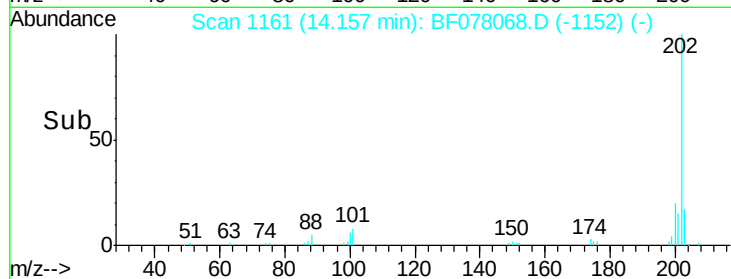
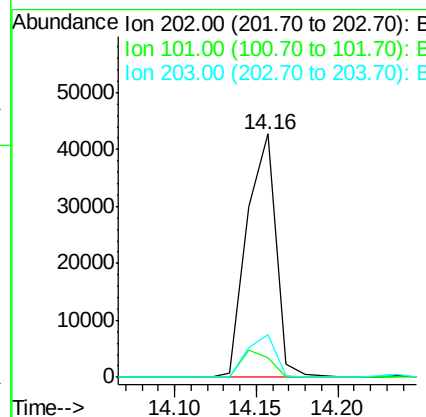
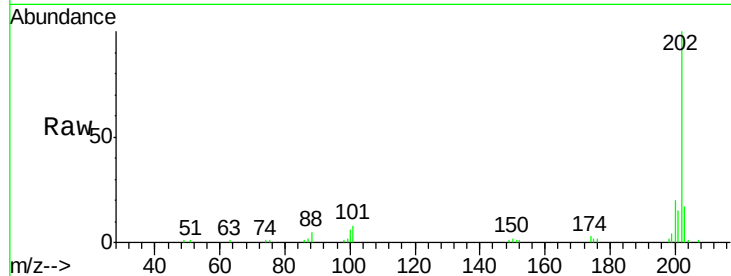
#74
Fluoranthene
Concen: 5.45 ng
RT: 14.16 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BF078068.D
Acq: 28 Mar 2015 8:22

Instrument :
BNA_F
ClientSampleId :
REC-7-1-4(1.5-2.0)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.2	0.0	28.7
203	17.5	0.0	37.2

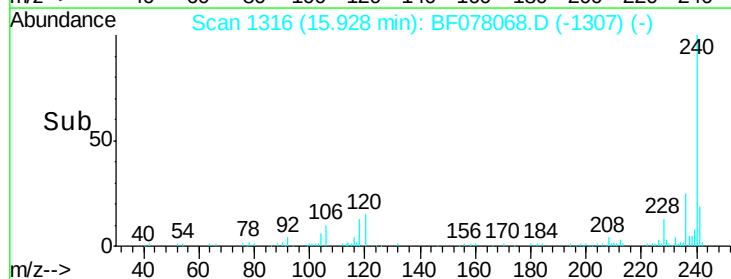
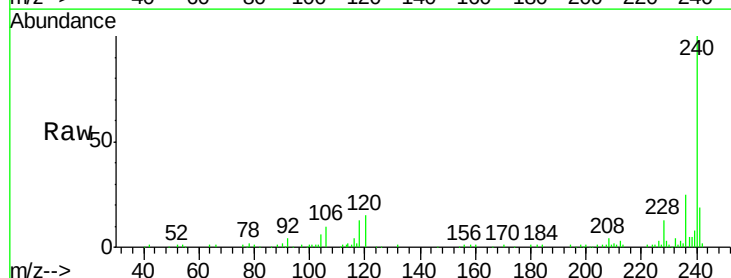
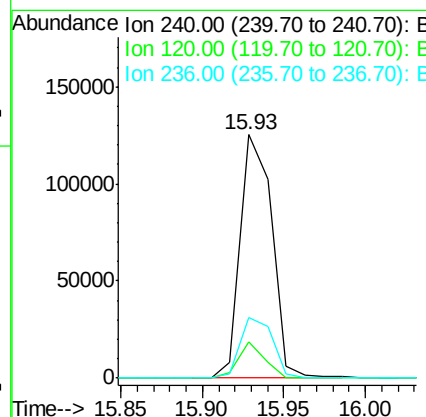
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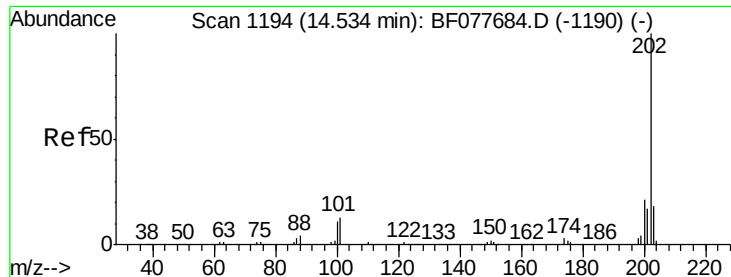
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.93 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BF078068.D
Acq: 28 Mar 2015 8:22

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.7	8.2	12.2#
236	25.0	20.0	30.0





#77

Pvrene

Concen: 4.81 ng

RT: 14.43 min Scan# 1185

Delta R.T. -0.00 min

Lab File: BF078068.D

Acq: 28 Mar 2015 8:22

Instrument :

BNA_F

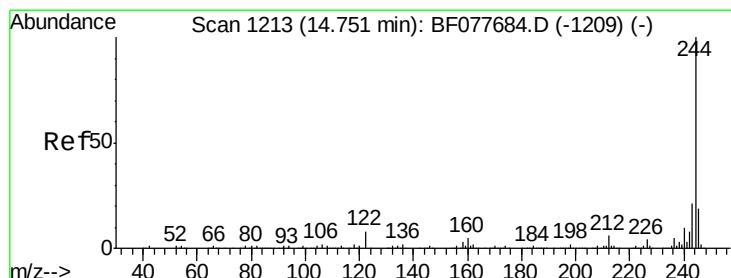
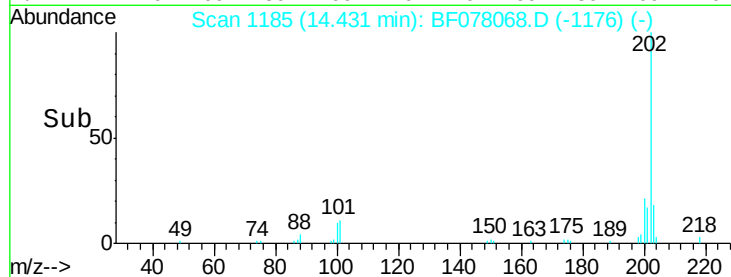
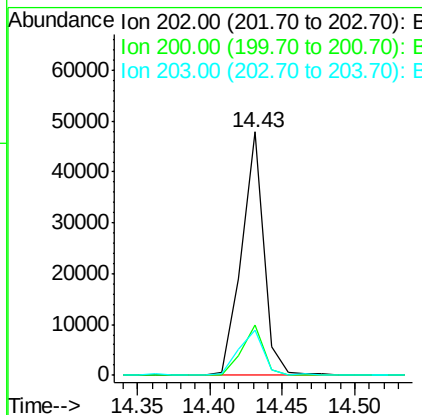
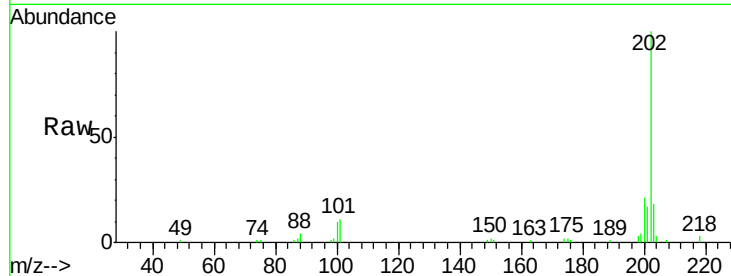
ClientSampleId :

REC-7-1-4(1.5-2.0)

Tot Ion:	202	Resp:	50935
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.9	25.3
203	18.3	14.1	21.1

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#78

Terphenyl-d14

Concen: 36.21 ng

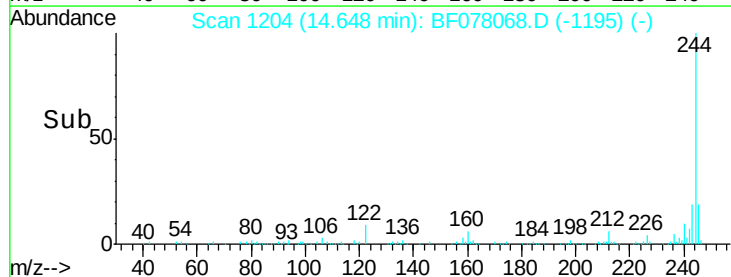
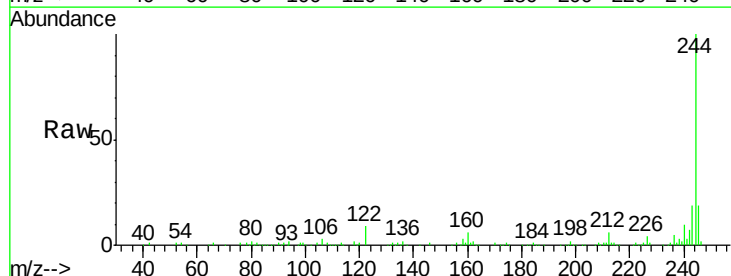
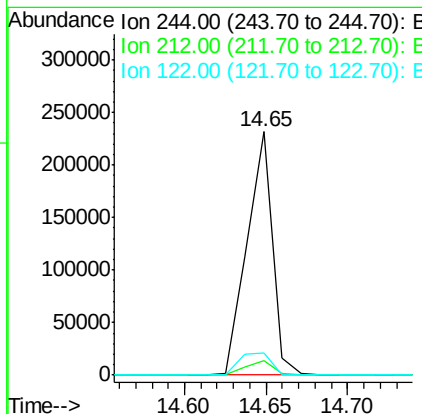
RT: 14.65 min Scan# 1204

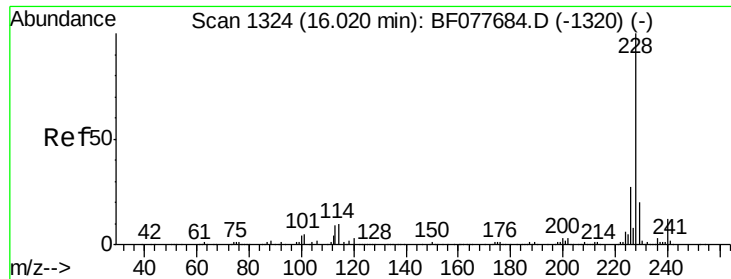
Delta R.T. -0.00 min

Lab File: BF078068.D

Acq: 28 Mar 2015 8:22

Tgt Ion:	244	Resp:	249804
Ion Ratio	Lower	Upper	
244	100		
212	6.0	4.9	7.3
122	9.0	6.2	9.4





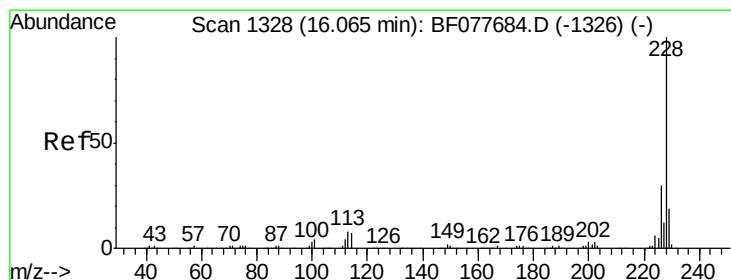
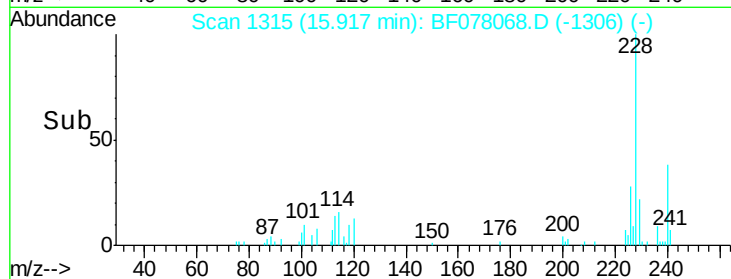
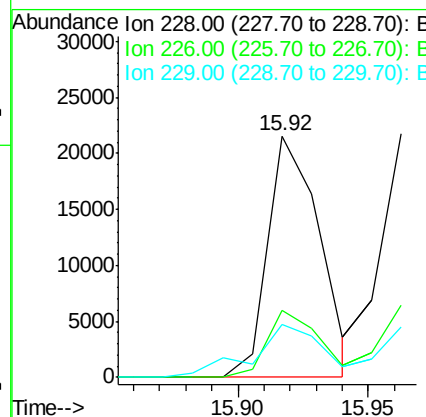
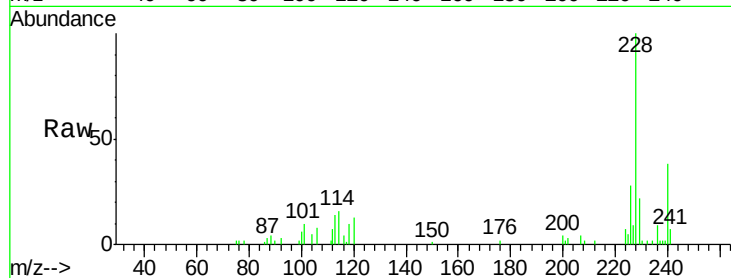
#80
Benzo(a)anthracene
Concen: 3.00 ng
RT: 15.92 min Scan# 1315
Delta R.T. -0.00 min
Lab File: BF078068.D
Acq: 28 Mar 2015 8:22

Instrument :
BNA_F
ClientSampleId :
REC-7-1-4(1.5-2.0)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.7	32.5
229	22.1	16.0	24.0

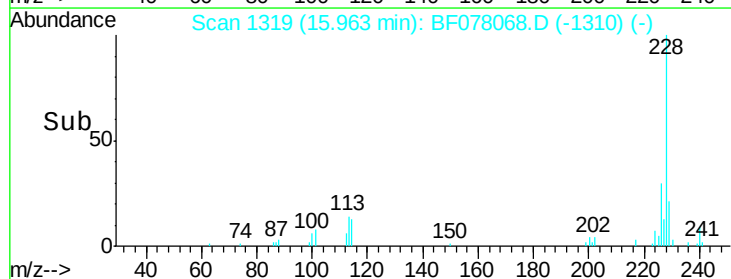
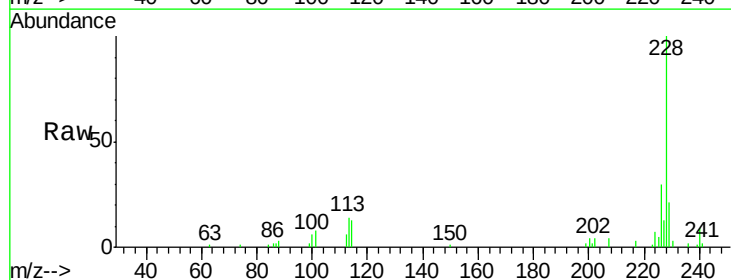
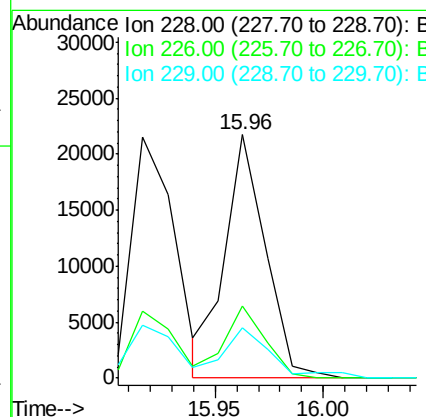
Manual Integrations
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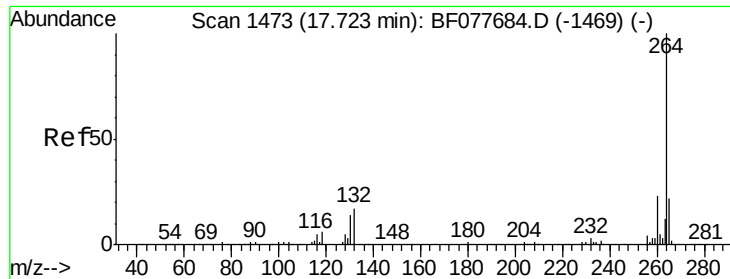
apatel
3/30/2015 6:31:11 PM



#82
Chrysene
Concen: 3.12 ng
RT: 15.96 min Scan# 1319
Delta R.T. -0.00 min
Lab File: BF078068.D
Acq: 28 Mar 2015 8:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.1	36.1
229	20.7	15.5	23.3





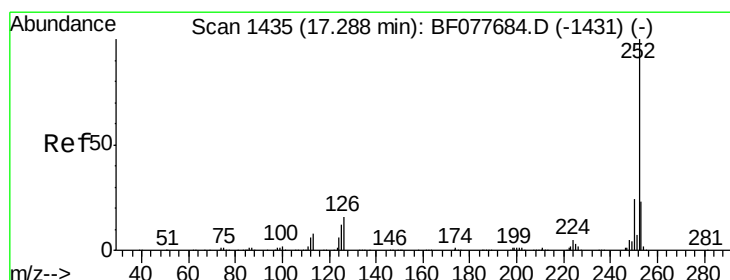
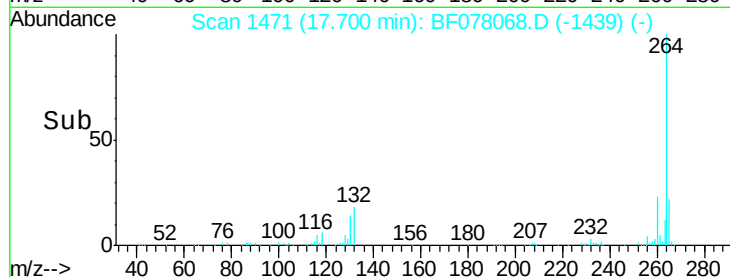
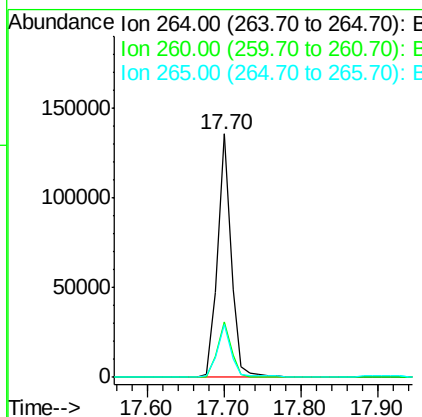
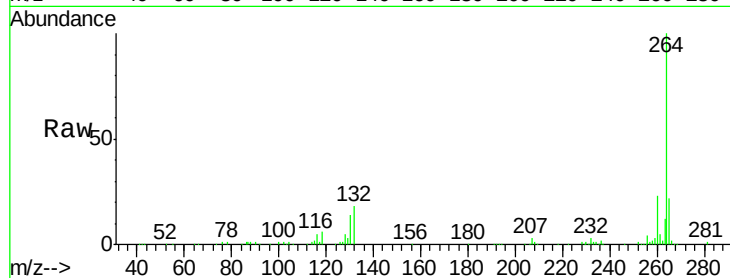
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.70 min Scan# 1471
Delta R.T. 0.07 min
Lab File: BF078068.D
Acq: 28 Mar 2015 8:22

Instrument :
BNA_F
ClientSampleId :
REC-7-1-4(1.5-2.0)

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.6	27.8
265	22.0	17.3	25.9

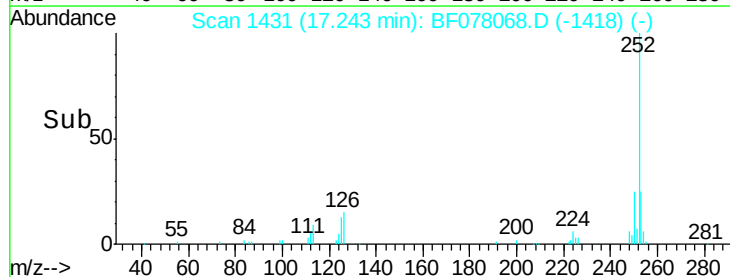
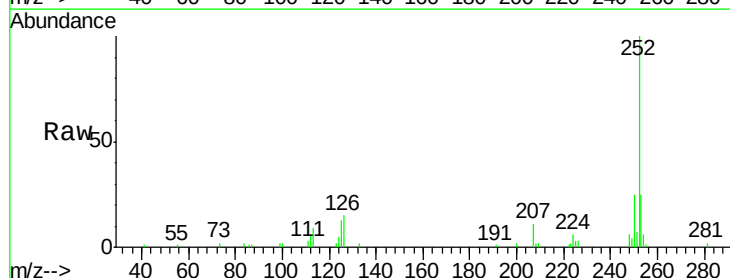
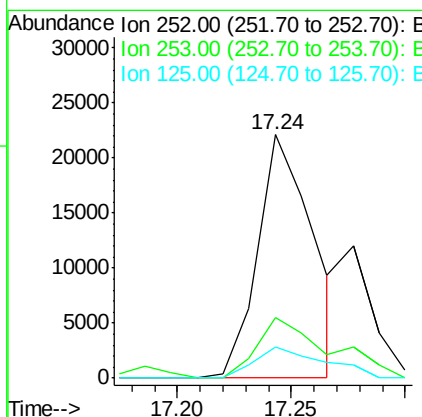
Manual Integrations
APPROVED

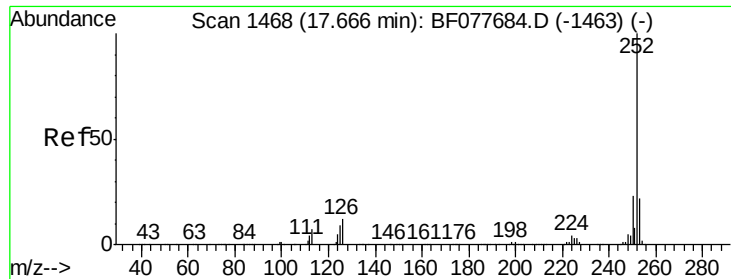
apatel
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#87
Benzo(b)fluoranthene
Concen: 3.39 ng m
RT: 17.24 min Scan# 1431
Delta R.T. 0.05 min
Lab File: BF078068.D
Acq: 28 Mar 2015 8:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.0	27.0
125	12.9	9.9	14.9





#89
 Benzo(a)pyrene
 Concen: 2.86 ng
 RT: 17.63 min Scan# 1465
 Delta R.T. 0.06 min
 Lab File: BF078068.D
 Acq: 28 Mar 2015 8:22

Instrument :
 BNA_F
 ClientSampleId :
 REC-7-1-4(1.5-2.0)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.6	26.4
125	11.6	7.4	11.2

Manual Integrations
 APPROVED

apatel
 3/30/2015 6:31:11 PM

