

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041715\
 Data File : BF078639.D
 Acq On : 18 Apr 2015 12:22
 Operator : TP/IZ
 Sample : G1891-10
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-68S

Manual Integrations
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Quant Time: Apr 20 01:55:42 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 18 05:04:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	34515	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	143143	20.00	ng	0.00
38) Acenaphthene-d10	10.41	164	74536	20.00	ng	0.00
63) Phenanthrene-d10	12.23	188	154357	20.00	ng	0.01
75) Chrysene-d12	15.47	240	176425	20.00	ng	0.01
86) Perylene-d12	17.17	264	183081	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.90	112	154000	73.57	ng	0.00
7) Phenol-d6	6.28	99	198327	75.60	ng	0.00
23) Nitrobenzene-d5	7.38	82	124459	52.70	ng	0.00
41) 2,4,6-Tribromophenol	11.38	330	58616	94.82	ng	0.00
44) 2-Fluorobiphenyl	9.60	172	267000	51.20	ng	0.00
78) Terphenyl-d14	14.22	244	353432	45.27	ng	0.01
Target Compounds						Qvalue
70) Phenanthrene	12.25	178	26612	2.98	ng	100
74) Fluoranthene	13.70	202	49411	5.25	ng	99
77) Pyrene	13.98	202	47268	4.27	ng	# 95
80) Benzo(a)anthracene	15.46	228	25655	2.44	ng	96
82) Chrysene	15.50	228	24038	2.44	ng	98
87) Benzo(b)fluoranthene	16.73	252	36071m	3.19	ng	
89) Benzo(a)pyrene	17.10	252	24324	2.46	ng	# 87

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

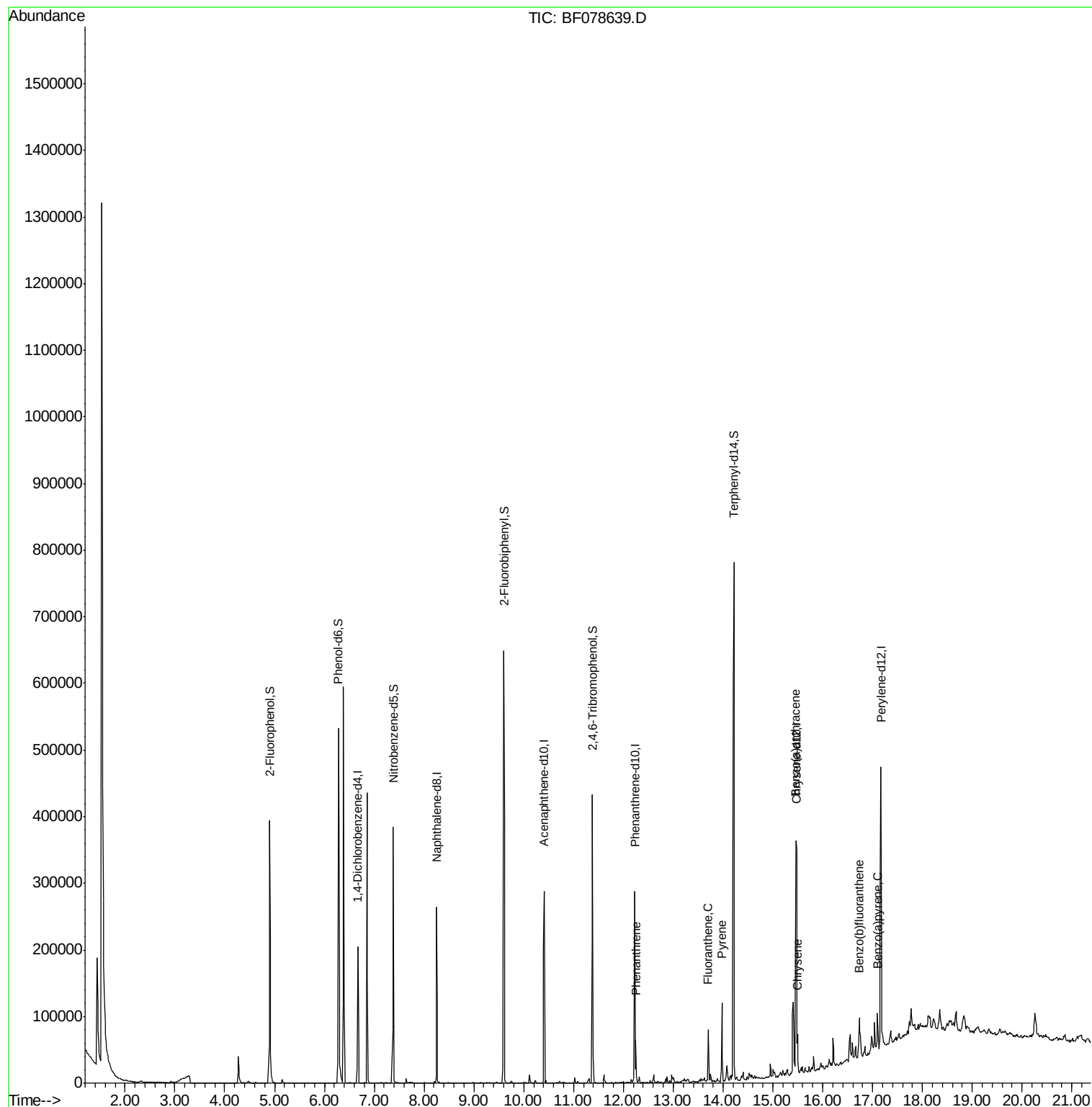
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041715\
Data File : BF078639.D
Acq On : 18 Apr 2015 12:22
Operator : TP/IZ
Sample : G1891-10
Misc :
ALS Vial : 36 Sample Multiplier: 1

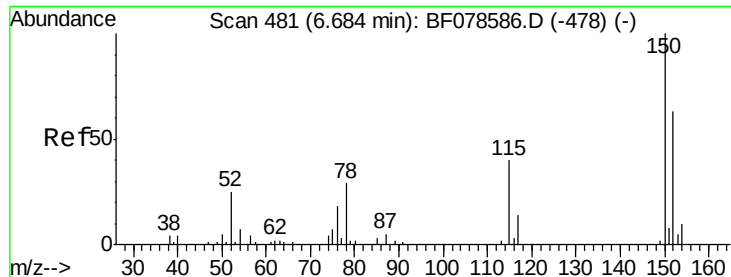
Instrument :
BNA_F
ClientSampleId :
SB-68S

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Quant Time: Apr 20 01:55:42 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

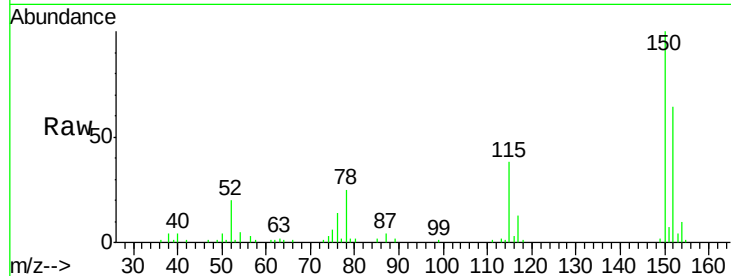
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.67 min Scan# 480
Delta R.T. -0.00 min
Lab File: BF078639.D
Acq: 18 Apr 2015 12:22

Instrument :
BNA_F
ClientSampleId :
SB-68S

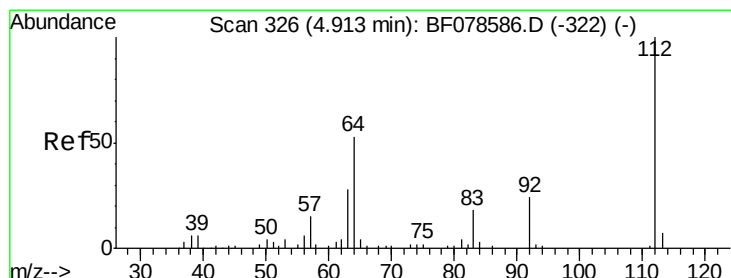
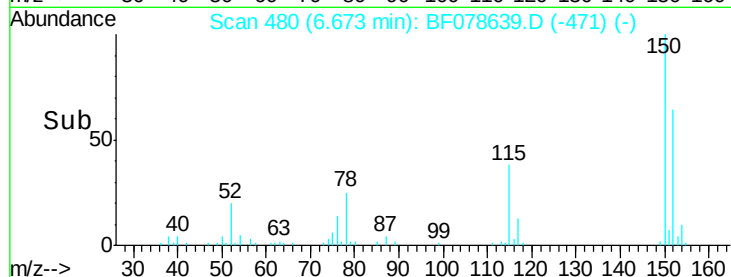
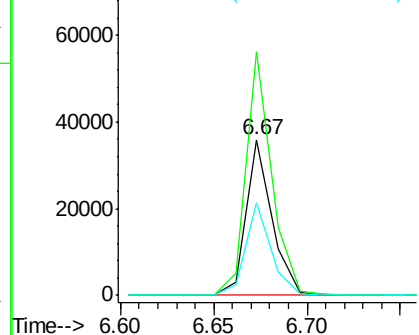
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	125.9	188.9
115	59.8	52.7	79.1

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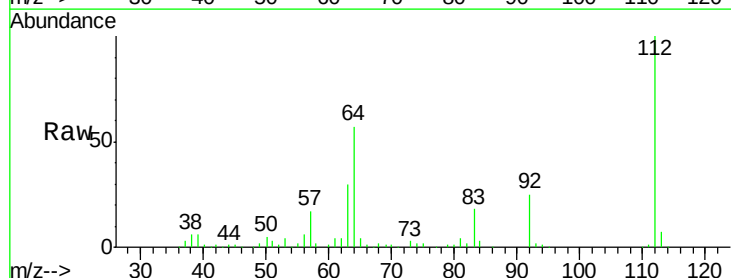
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



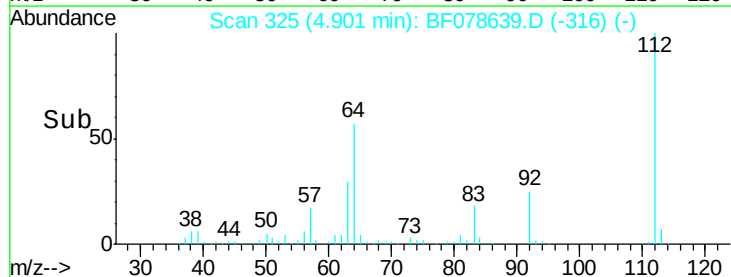
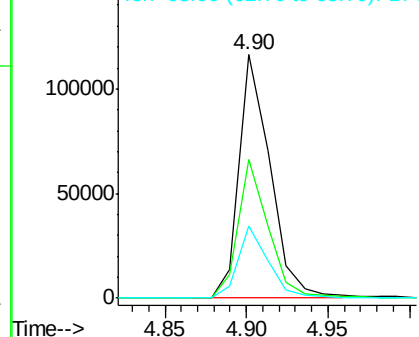
#5

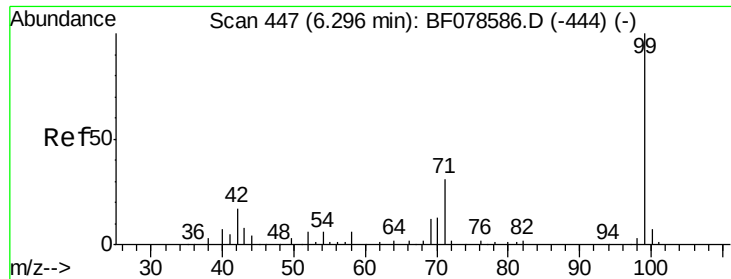
2-Fluorophenol
Concen: 73.57 ng
RT: 4.90 min Scan# 325
Delta R.T. -0.00 min
Lab File: BF078639.D
Acq: 18 Apr 2015 12:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	39.9	59.9
63	29.6	20.2	30.4



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





#7

Phenol-d6

Concen: 75.60 ng

RT: 6.28 min Scan# 446

Delta R.T. -0.00 min

Lab File: BF078639.D

Acq: 18 Apr 2015 12:22

Instrument :

BNA_F

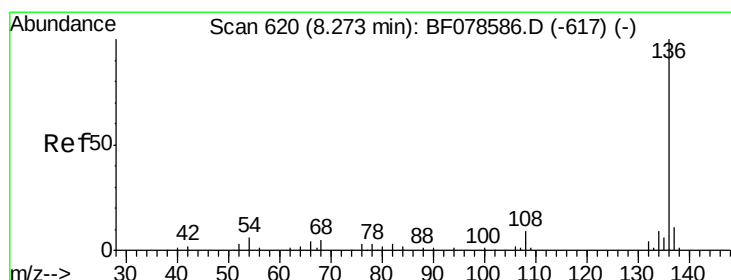
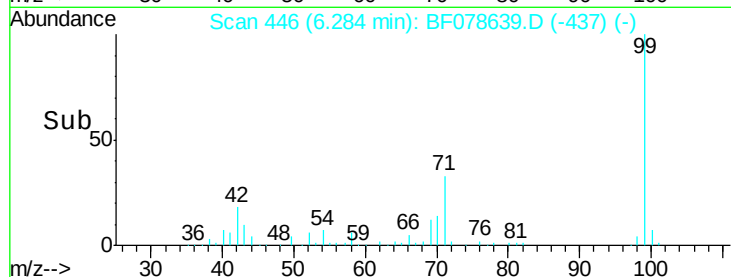
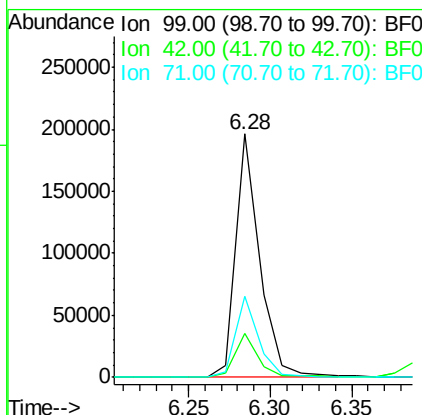
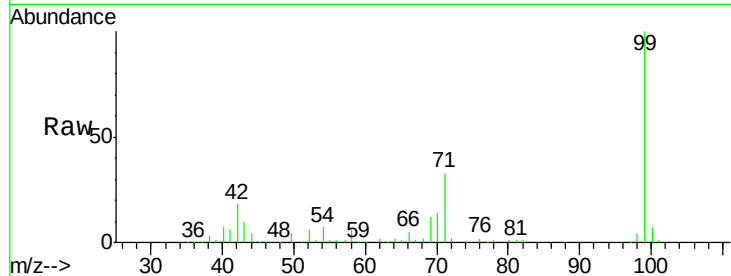
ClientSampled :

SB-68S

Tot Ion:	99	Resp:	198327
Ion Ratio	Lower	Upper	
99	100		
42	18.2	14.8	22.2
71	33.1	26.6	39.8

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#21

Naphthalene-d8

Concen: 20.00 ng

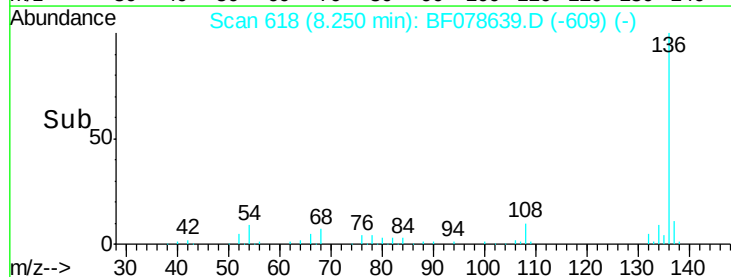
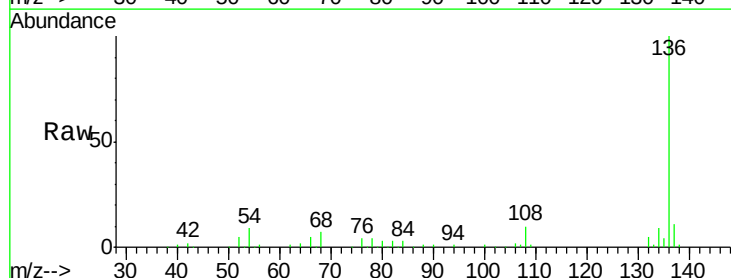
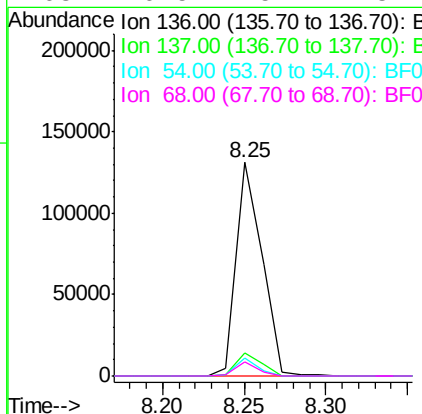
RT: 8.25 min Scan# 618

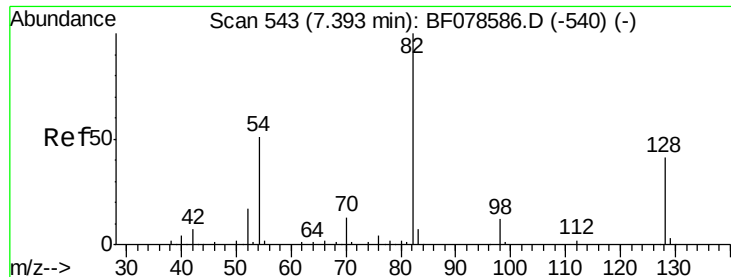
Delta R.T. -0.00 min

Lab File: BF078639.D

Acq: 18 Apr 2015 12:22

Tgt Ion:	136	Resp:	143143
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.4
54	8.7	7.0	10.6
68	6.5	5.4	8.2





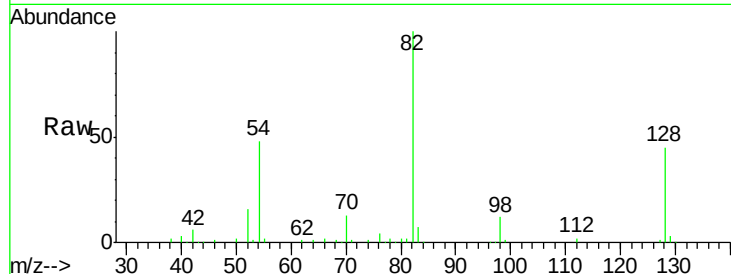
#23
 Nitrobenzene-d5
 Concen: 52.70 ng
 RT: 7.38 min Scan# 542
 Delta R.T. -0.00 min
 Lab File: BF078639.D
 Acq: 18 Apr 2015 12:22

Instrument :
 BNA_F
 ClientSampled :
 SB-68S

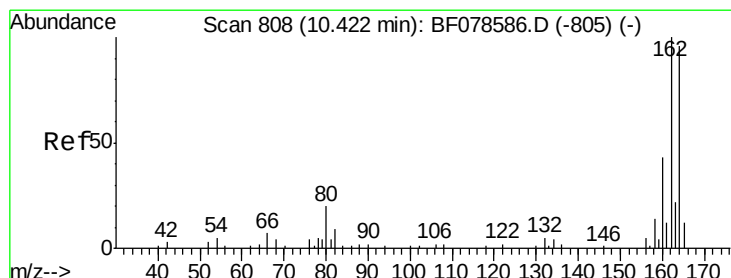
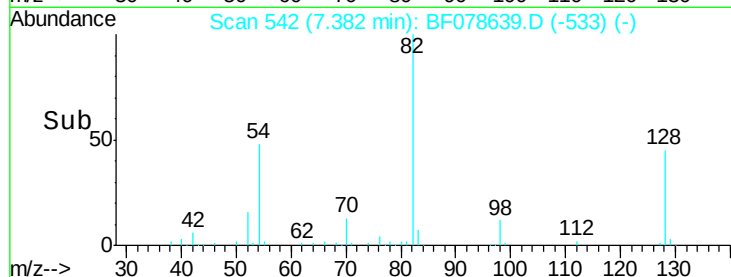
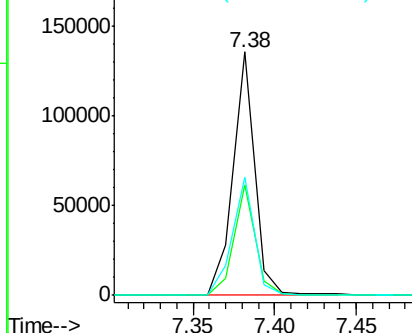
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.2	31.8	47.8
54	48.3	41.5	62.3

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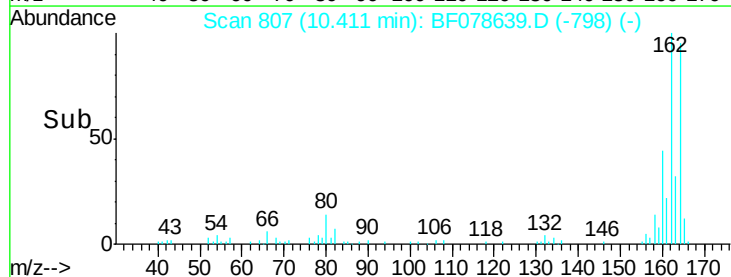
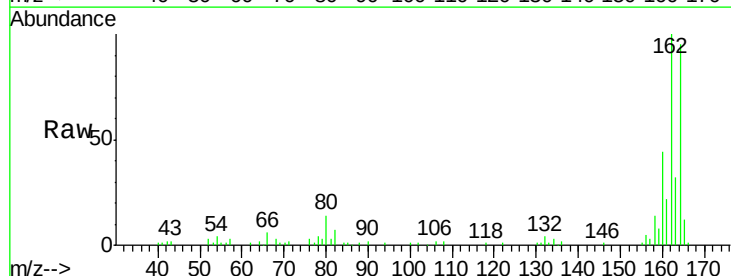
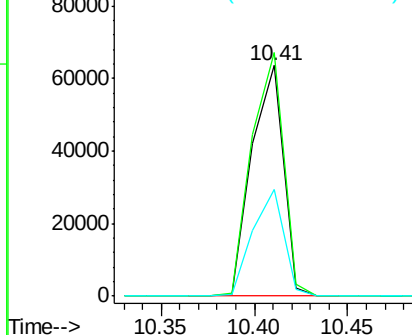
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

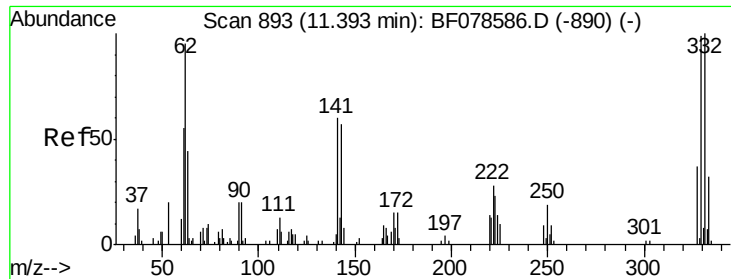


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.41 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: BF078639.D
 Acq: 18 Apr 2015 12:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.6	82.2	123.2
160	46.0	34.7	52.1

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





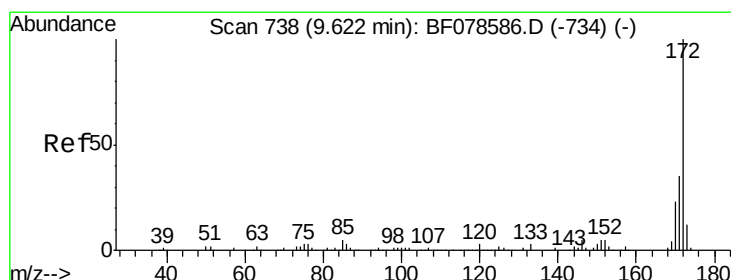
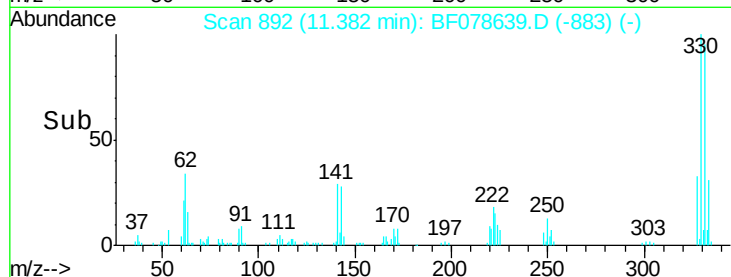
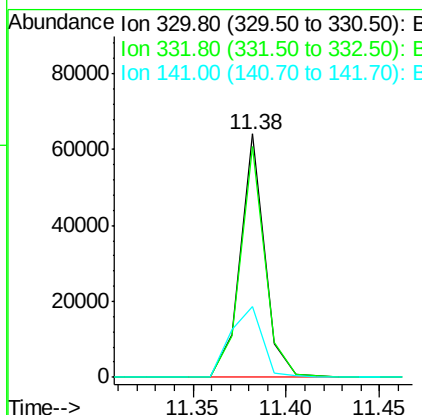
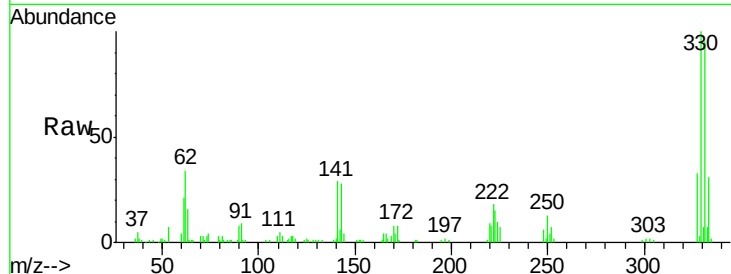
#41
 2,4,6-Tribromophenol
 Concen: 94.82 ng
 RT: 11.38 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: BF078639.D
 Acq: 18 Apr 2015 12:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-68S

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	78.6	117.8
141	38.2	31.2	46.8

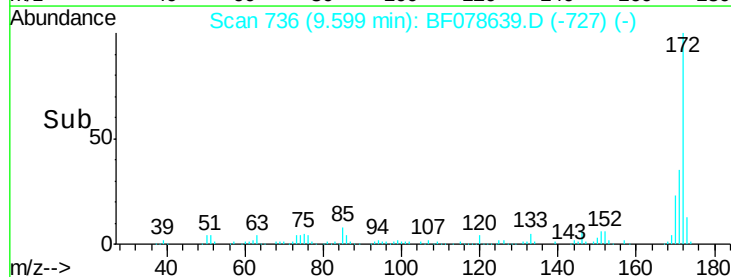
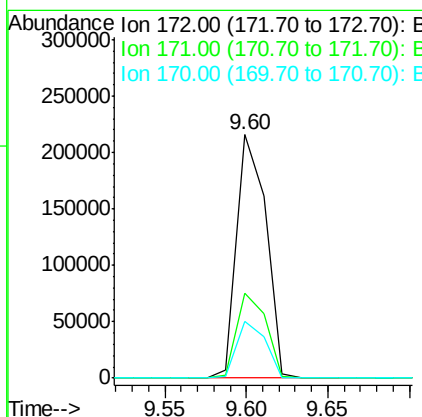
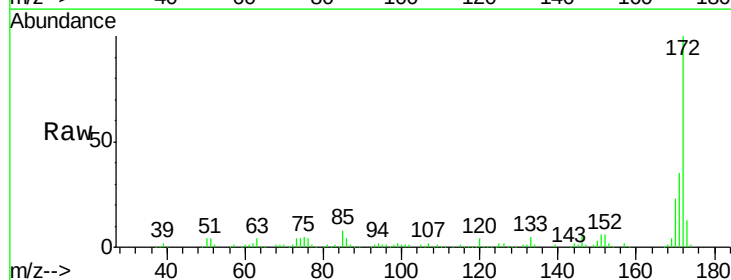
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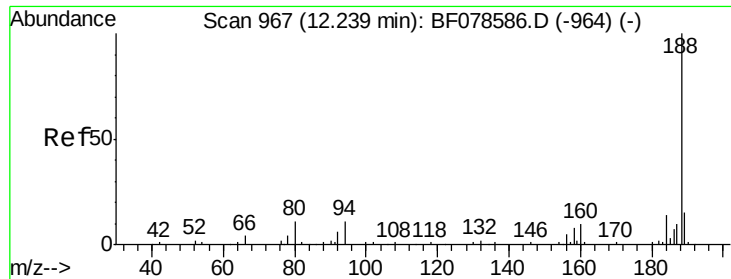
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#44
 2-Fluorobiphenyl
 Concen: 51.20 ng
 RT: 9.60 min Scan# 736
 Delta R.T. -0.00 min
 Lab File: BF078639.D
 Acq: 18 Apr 2015 12:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.6	42.8
170	23.2	18.5	27.7





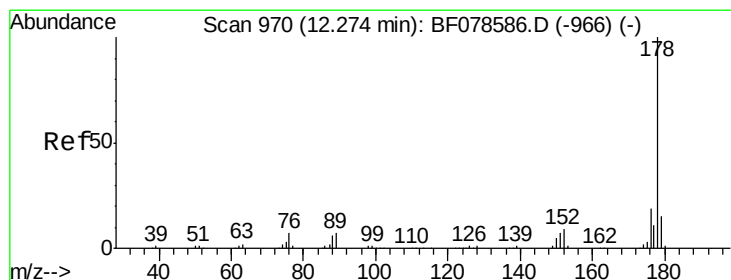
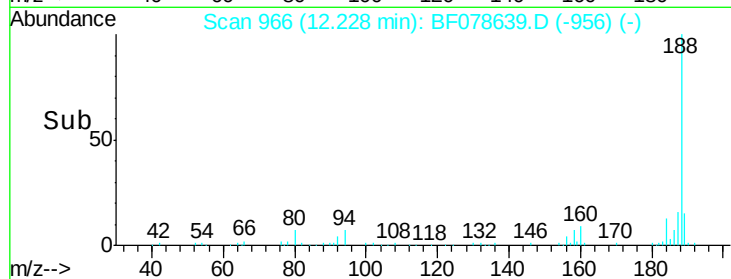
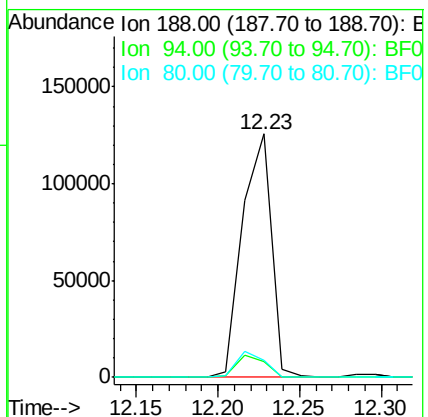
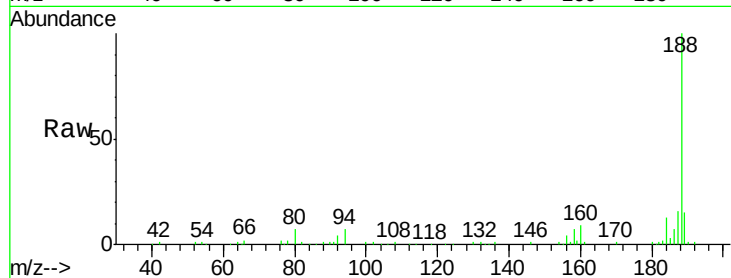
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.23 min Scan# 966
Delta R.T. 0.01 min
Lab File: BF078639.D
Acq: 18 Apr 2015 12:22

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	6.6	9.0	13.4#
80	7.2	9.5	14.3#

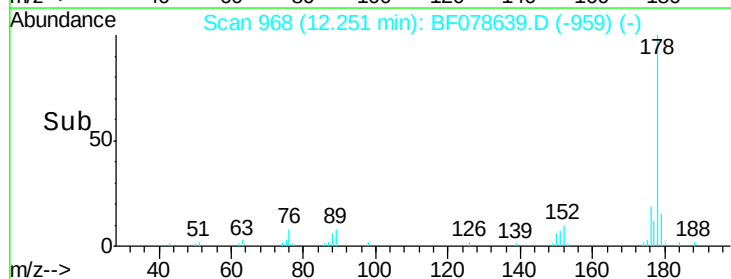
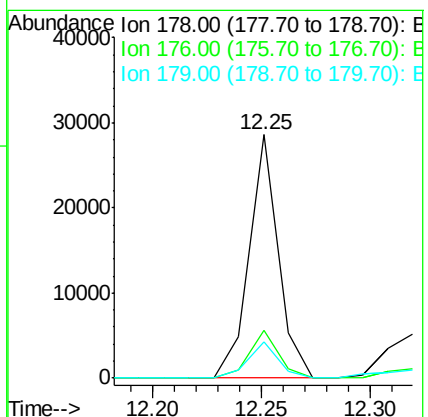
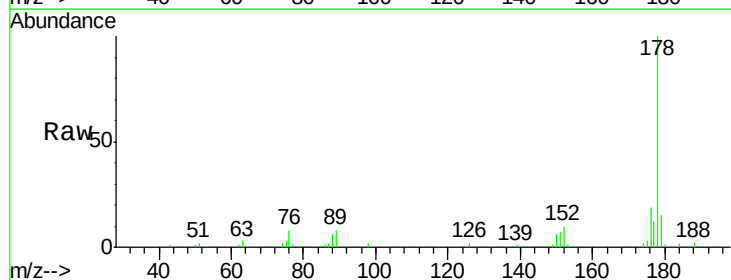
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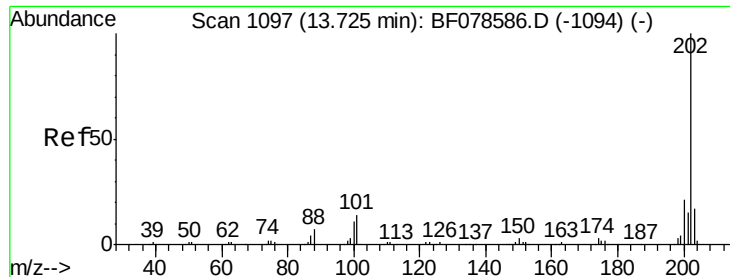
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#70
Phenanthrene
Concen: 2.98 ng
RT: 12.25 min Scan# 968
Delta R.T. -0.00 min
Lab File: BF078639.D
Acq: 18 Apr 2015 12:22

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.2	12.2	18.2





#74

Fluoranthene

Concen: 5.25 ng

RT: 13.70 min Scan# 1095

Delta R.T. -0.00 min

Lab File: BF078639.D

Acq: 18 Apr 2015 12:22

Instrument :

BNA_F

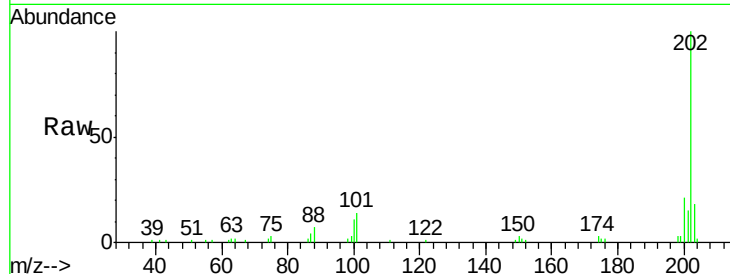
ClientSampleId :

SB-68S

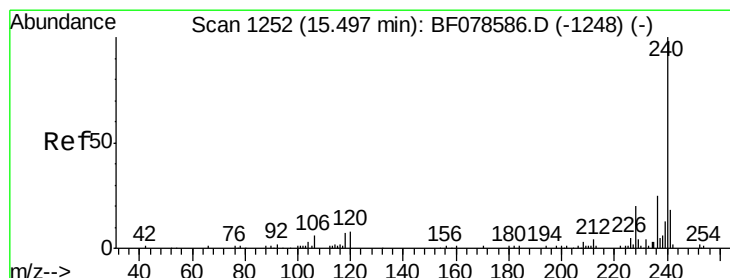
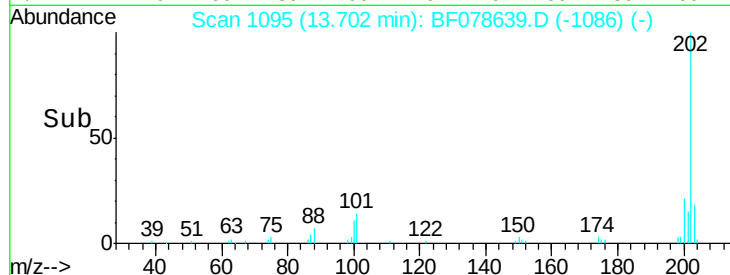
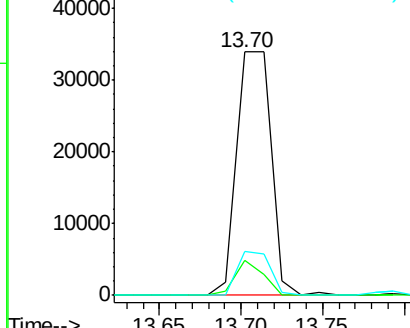
Tot Ion:	202	Resp:	49411
Ion Ratio	Lower	Upper	
202	100		
101	14.5	0.0	35.2
203	18.1	0.0	38.5

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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

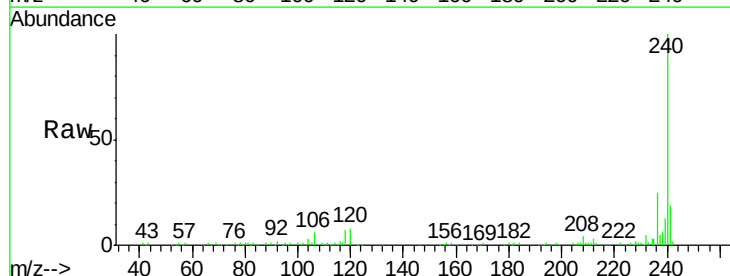
RT: 15.47 min Scan# 1250

Delta R.T. 0.01 min

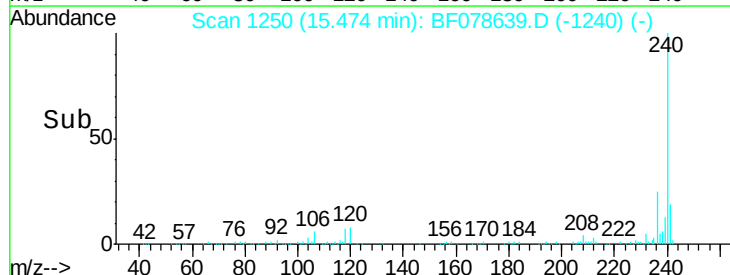
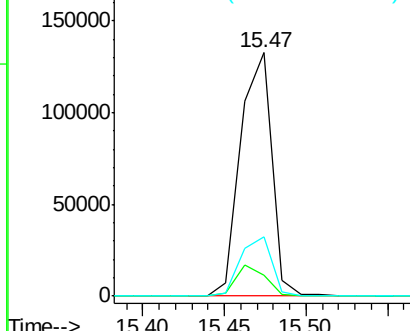
Lab File: BF078639.D

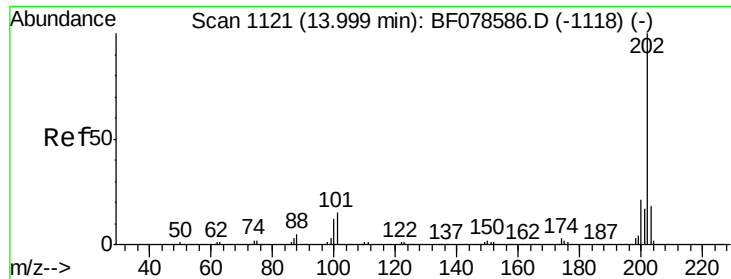
Acq: 18 Apr 2015 12:22

Tgt Ion:	240	Resp:	176425
Ion Ratio	Lower	Upper	
240	100		
120	8.5	7.1	10.7
236	24.6	21.4	32.2



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: 4.27 ng

RT: 13.98 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BF078639.D

Acq: 18 Apr 2015 12:22

Instrument :

BNA_F

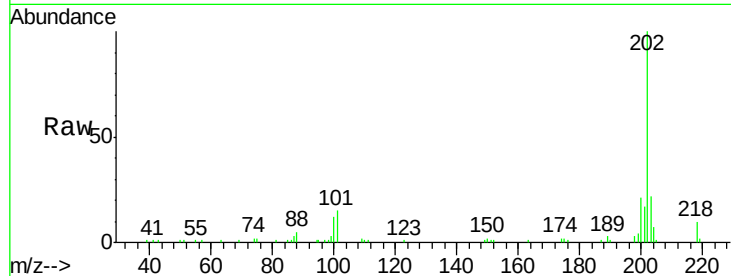
ClientSampleId :

SB-68S

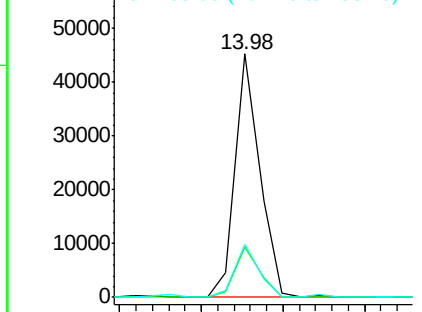
Tot Ion:	202	Resp:	47268
Ion Ratio	Lower	Upper	
202	100		
200	20.7	16.3	24.5
203	21.8	13.8	20.6

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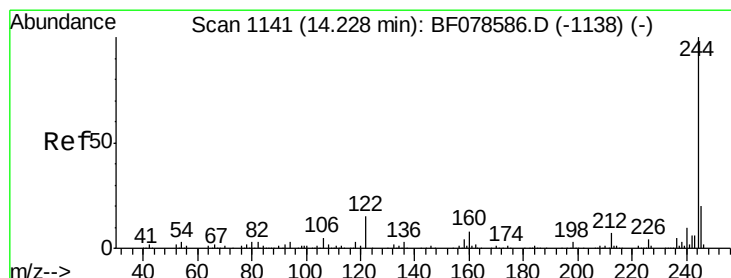
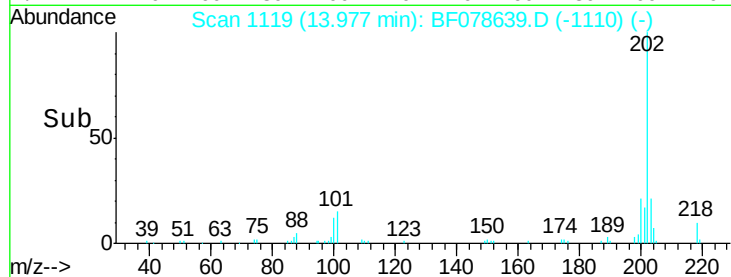
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time--> 13.90 13.95 14.00 14.05



#78

Terphenyl-d14

Concen: 45.27 ng

RT: 14.22 min Scan# 1140

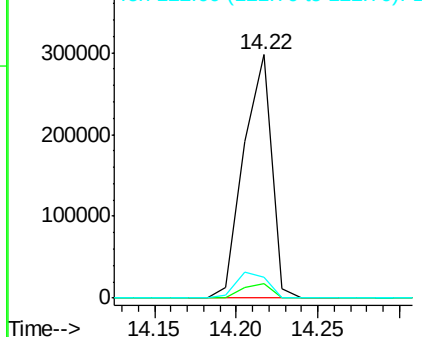
Delta R.T. 0.01 min

Lab File: BF078639.D

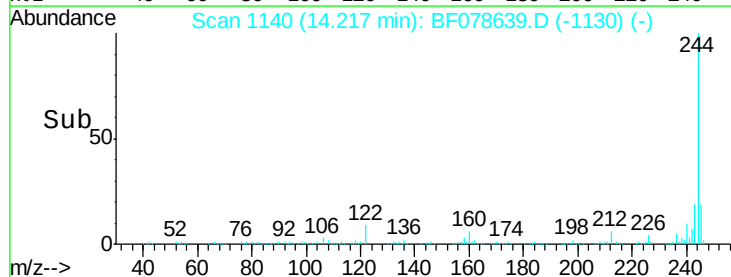
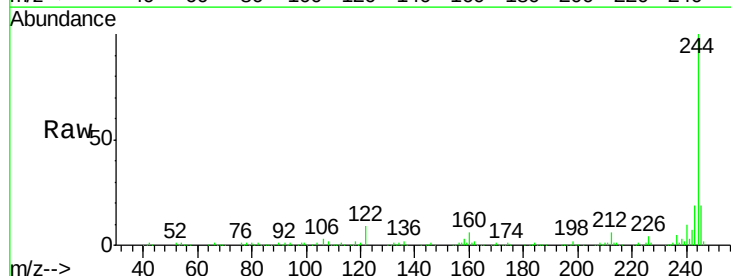
Acq: 18 Apr 2015 12:22

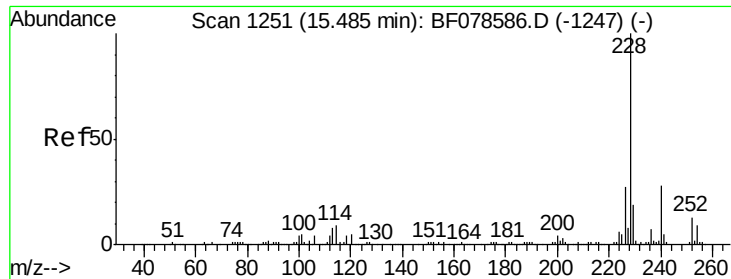
Tgt Ion:	244	Resp:	353432
Ion Ratio	Lower	Upper	
244	100		
212	6.2	5.0	7.4
122	8.6	7.1	10.7

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



Time--> 14.15 14.20 14.25





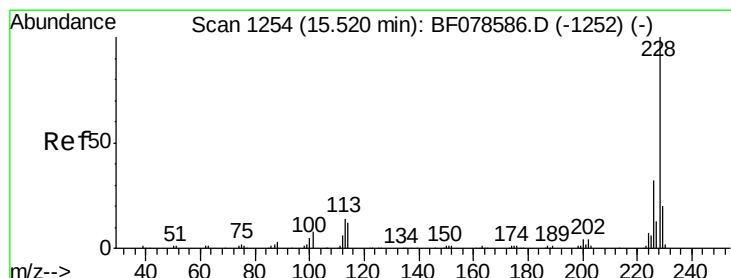
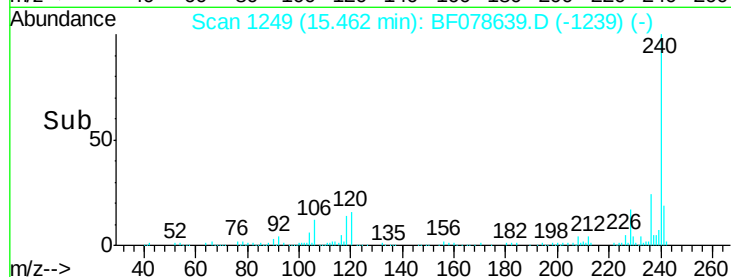
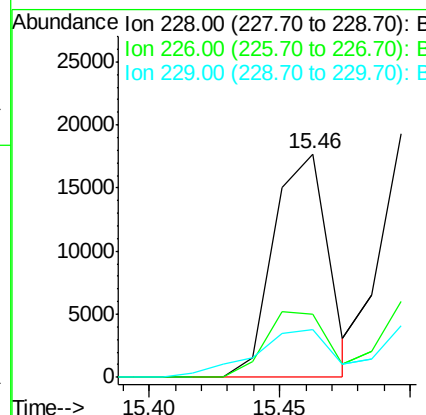
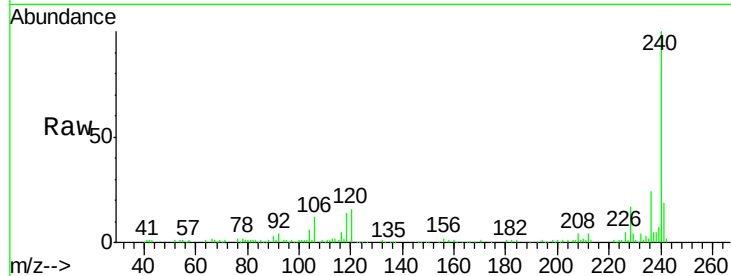
#80
Benzo(a)anthracene
Concen: 2.44 ng
RT: 15.46 min Scan# 1249
Delta R.T. 0.01 min
Lab File: BF078639.D
Acq: 18 Apr 2015 12:22

Instrument :
BNA_F
ClientSampled :
SB-68S

Tot Ion	Ratio	Resp	Lower	Upper
228	100	25655		
226	28.5		21.3	31.9
229	21.2		15.4	23.2

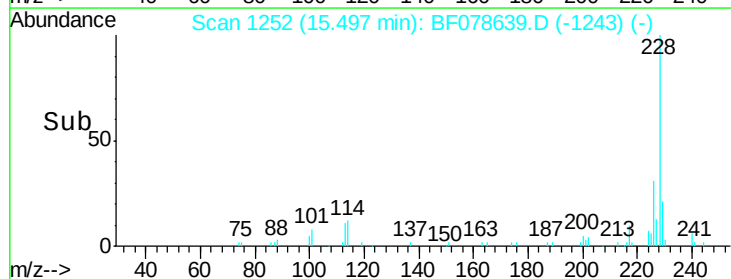
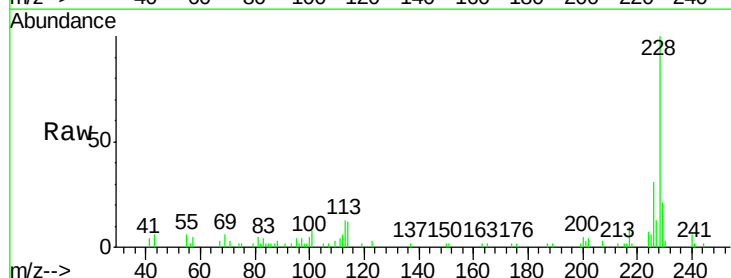
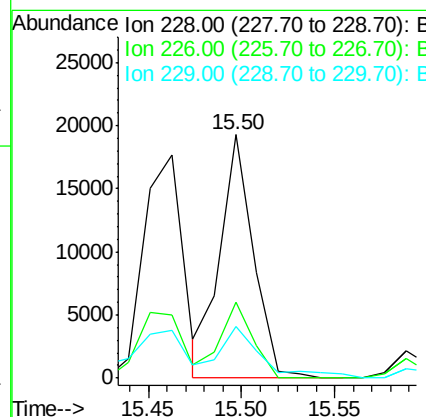
Manual Integrations
APPROVED

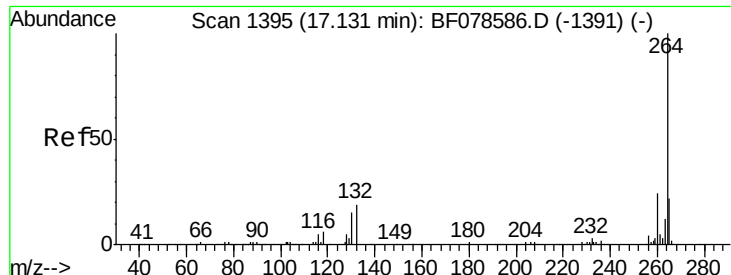
apatel
4/20/2015 3:58:01 PM



#82
Chrysene
Concen: 2.44 ng
RT: 15.50 min Scan# 1252
Delta R.T. -0.00 min
Lab File: BF078639.D
Acq: 18 Apr 2015 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	24038		
226	31.3		24.2	36.4
229	21.1		15.8	23.8





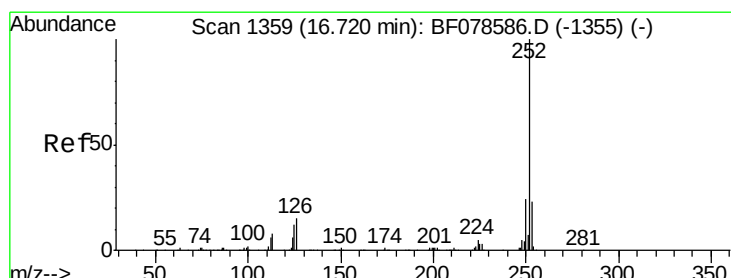
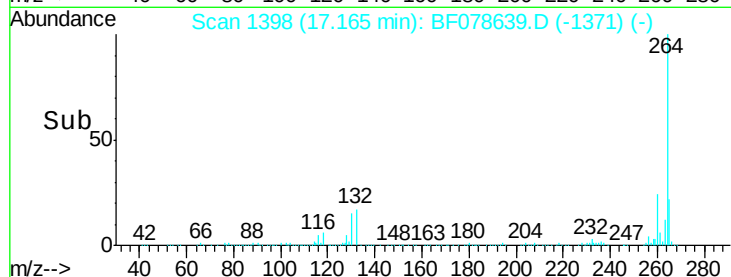
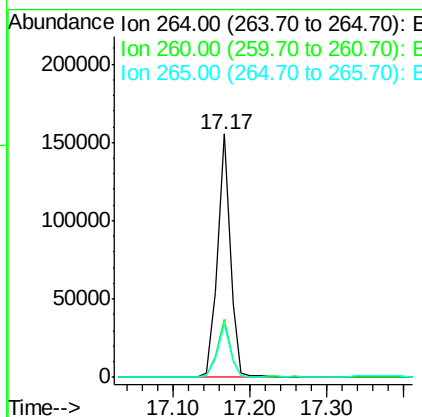
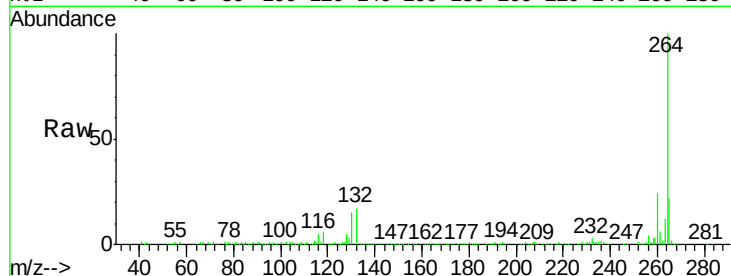
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.17 min Scan# 1398
Delta R.T. 0.01 min
Lab File: BF078639.D
Acq: 18 Apr 2015 12:22

Instrument :
BNA_F
ClientSampleId :
SB-68S

Tot Ion:	264	Resp:	183081
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.6	27.8
265	21.9	17.0	25.6

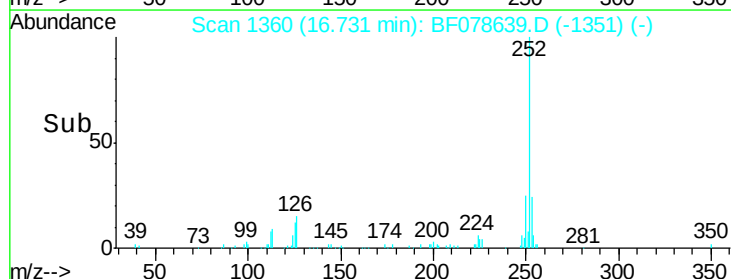
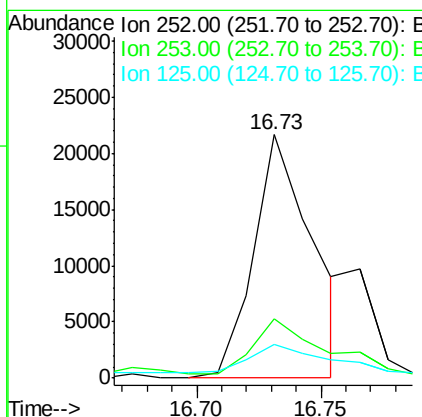
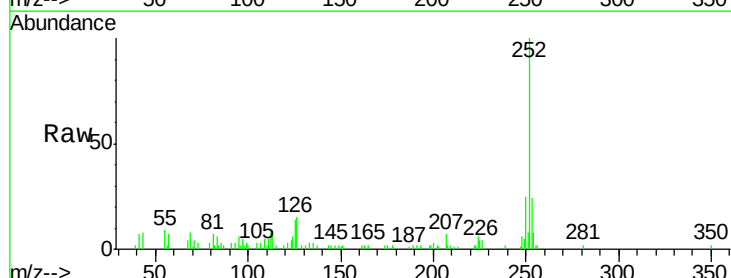
Manual Integrations
APPROVED

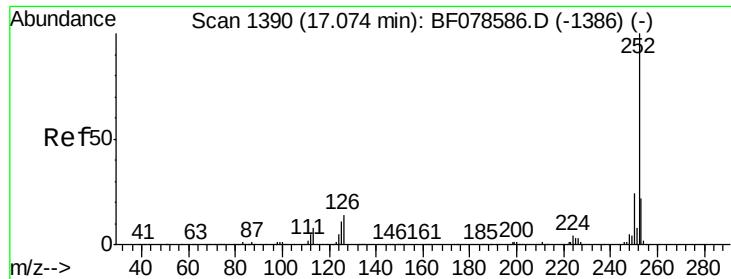
apatel
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#87
Benzo(b)fluoranthene
Concen: 3.19 ng m
RT: 16.73 min Scan# 1360
Delta R.T. -0.00 min
Lab File: BF078639.D
Acq: 18 Apr 2015 12:22

Tgt Ion:	252	Resp:	36071
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.2	25.8
125	13.9	7.0	10.4#





#89
 Benzo(a)pyrene
 Concen: 2.46 ng
 RT: 17.10 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: BF078639.D
 Acq: 18 Apr 2015 12:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-68S

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	16.8	25.2#
125	16.3	7.4	11.0#

Manual Integrations
 APPROVED

apatel
 4/20/2015 3:58:01 PM

