

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042015\
 Data File : BF078680.D
 Acq On : 21 Apr 2015 11:36
 Operator : TP/IZ
 Sample : G1854-11
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB05B

Manual Integrations
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Quant Time: Apr 21 13:12:57 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 16:32:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.86	152	45645	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	187034	20.00	ng	0.00
38) Acenaphthene-d10	11.20	164	94362	20.00	ng	-0.01
63) Phenanthrene-d10	13.94	188	182429	20.00	ng	0.00
75) Chrysene-d12	17.81	240	185344	20.00	ng	0.00
86) Perylene-d12	19.52	264	193867	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.87	112	211391	76.36	ng	0.00
7) Phenol-d6	5.36	99	288482	83.15	ng	0.00
23) Nitrobenzene-d5	6.80	82	175421	56.85	ng	0.00
41) 2,4,6-Tribromophenol	12.67	330	56763	72.53	ng	-0.01
44) 2-Fluorobiphenyl	10.03	172	259263	39.27	ng	0.00
78) Terphenyl-d14	16.46	244	277502	33.83	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.06	128	22559	2.32	ng	99
49) Dimethylphthalate	10.83	163	35117	4.95	ng	# 99
70) Phenanthrene	13.98	178	253459	24.02	ng	99
71) Anthracene	14.07	178	74031	7.12	ng	99
72) Carbazole	14.40	167	25538	2.62	ng	99
74) Fluoranthene	15.86	202	436576	39.23	ng	97
77) Pyrene	16.17	202	391971	33.69	ng	# 95
80) Benzo(a)anthracene	17.79	228	298630m	27.08	ng	
82) Chrysene	17.84	228	269918m	26.05	ng	
85) Indeno(1,2,3-cd)pyrene	20.72	276	230712m	19.62	ng	
87) Benzo(b)fluoranthene	19.10	252	397642m	33.19	ng	
88) Benzo(k)fluoranthene	19.12	252	149089m	14.00	ng	
89) Benzo(a)pyrene	19.46	252	337376	32.26	ng	95
90) Dibenzo(a,h)anthracene	20.73	278	45113m	4.31	ng	
91) Benzo(a,h,i)perylene	21.04	276	195123	18.59	ng	96

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

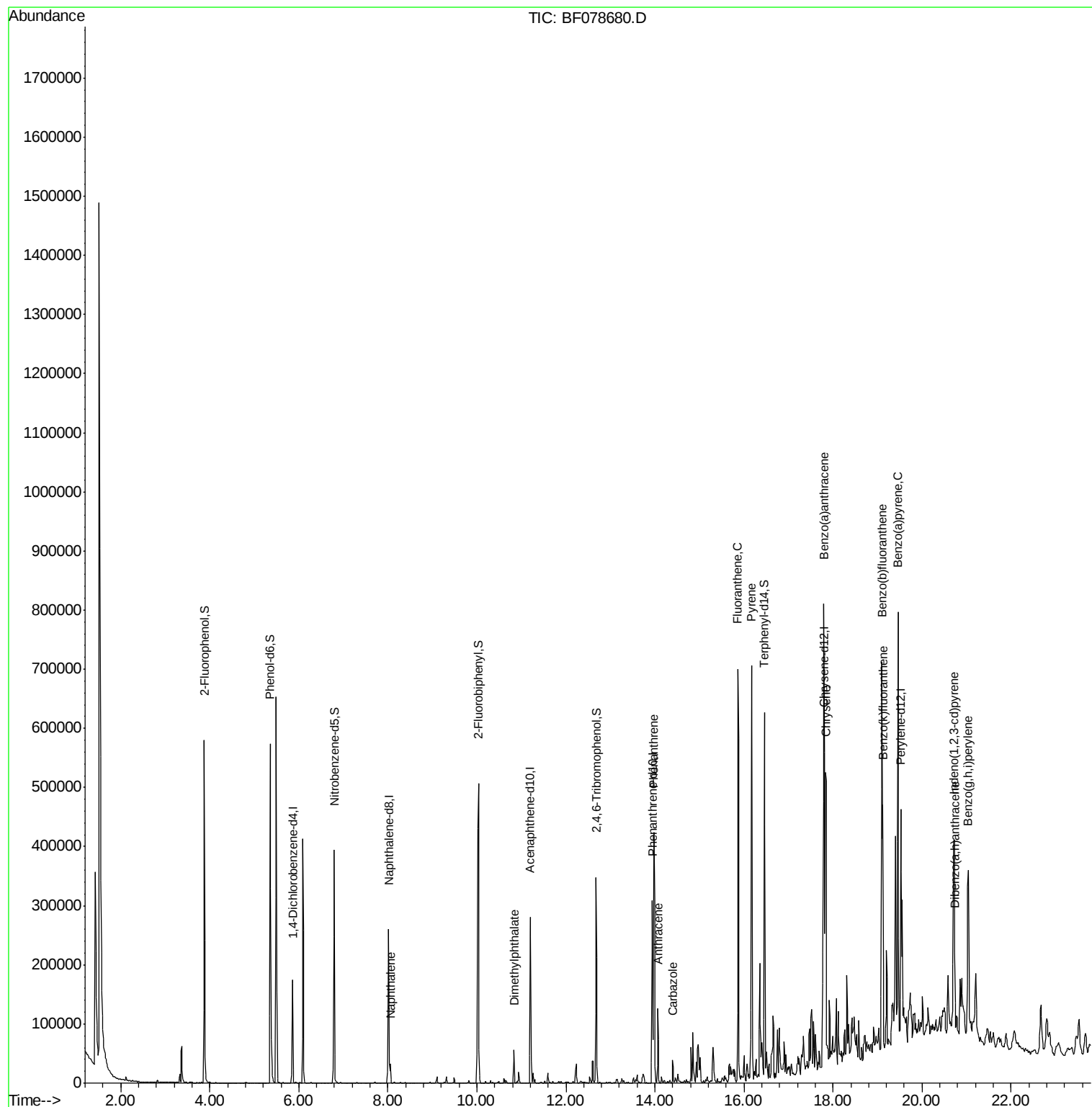
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042015\
Data File : BF078680.D
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Sample : G1854-11
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ALS Vial : 33 Sample Multiplier: 1

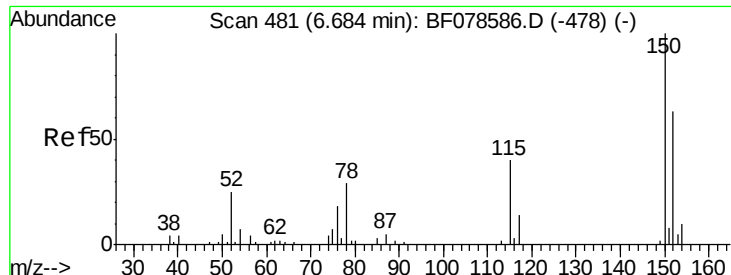
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
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#1

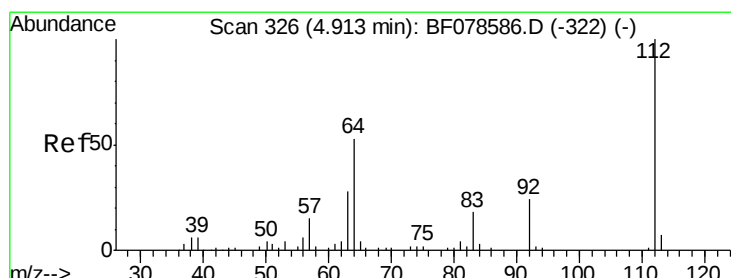
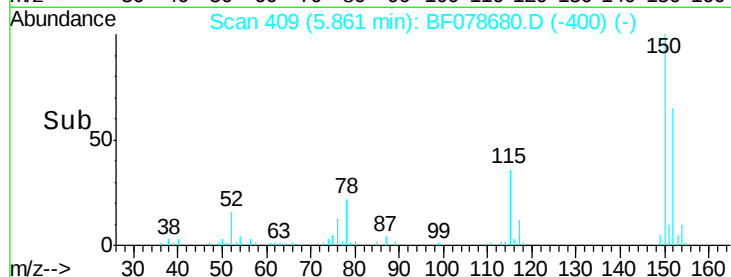
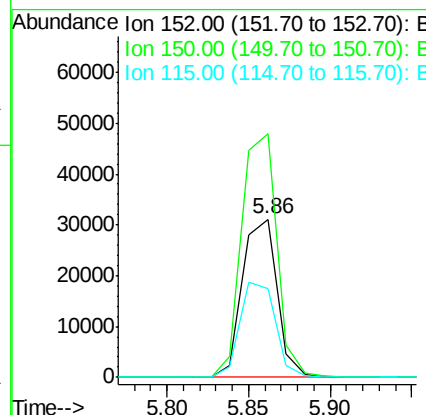
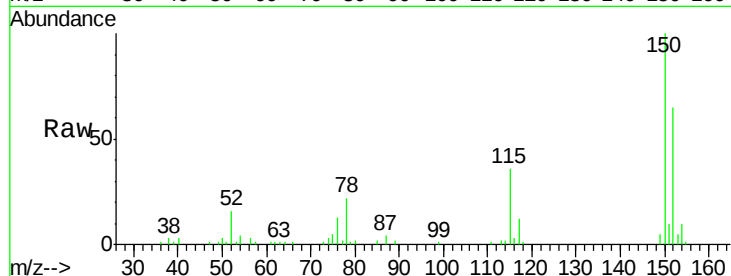
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.86 min Scan# 409
Delta R.T. -0.00 min
Lab File: BF078680.D
Acq: 21 Apr 2015 11:36

Instrument :
BNA_F
ClientSampleId :
LS-SB05B

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	125.9	188.9
115	56.0	52.7	79.1

Manual Integrations
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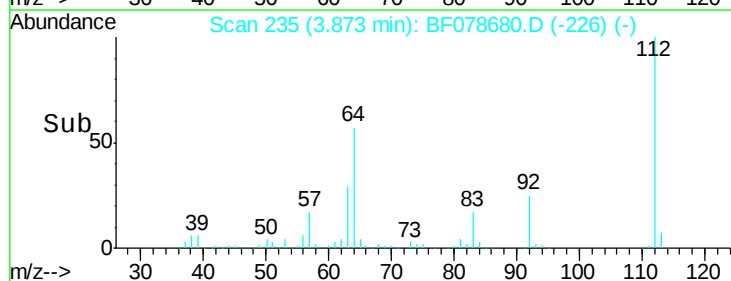
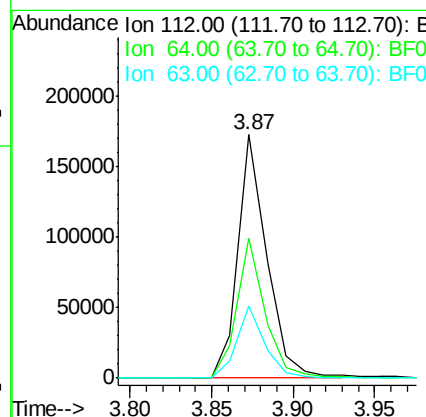
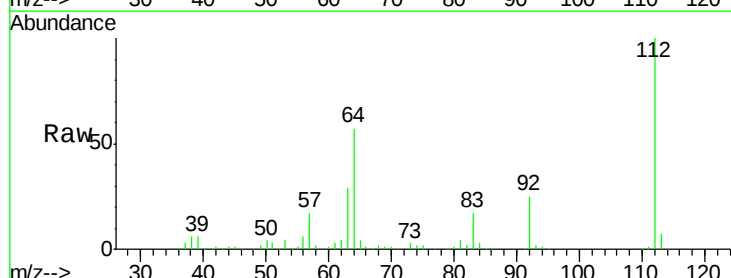
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#5

2-Fluorophenol
Concen: 76.36 ng
RT: 3.87 min Scan# 235
Delta R.T. -0.00 min
Lab File: BF078680.D
Acq: 21 Apr 2015 11:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	39.9	59.9
63	29.4	20.2	30.4





#7

Phenol-d6

Concen: 83.15 ng

RT: 5.36 min Scan# 365

Delta R.T. 0.00 min

Lab File: BF078680.D

Acq: 21 Apr 2015 11:36

Instrument :

BNA_F

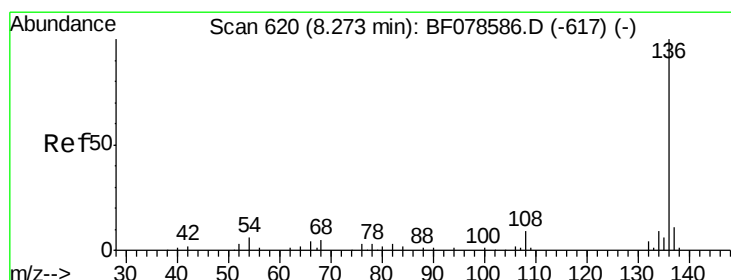
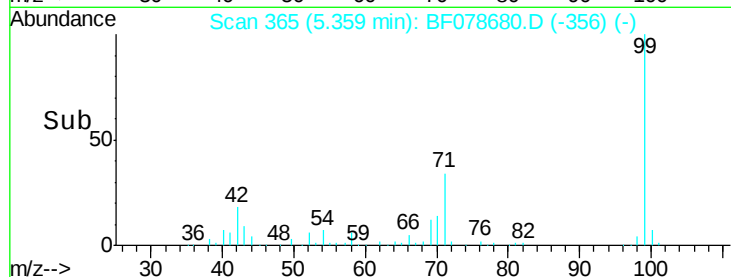
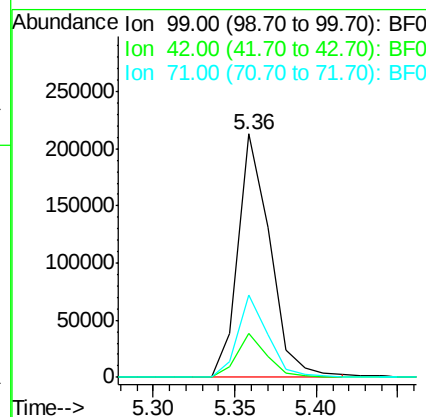
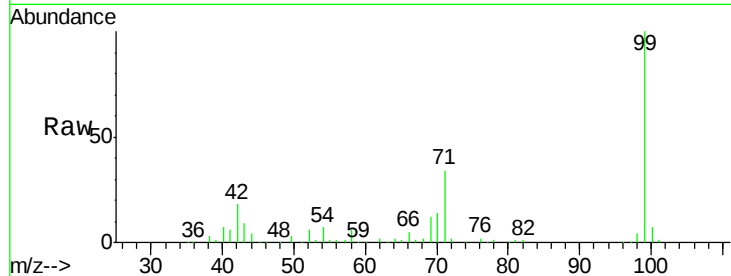
ClientSampleId :

LS-SB05B

Tot Ion:	99	Resp:	288482
Ion Ratio	Lower	Upper	
99	100		
42	18.1	14.8	22.2
71	33.7	26.6	39.8

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#21

Naphthalene-d8

Concen: 20.00 ng

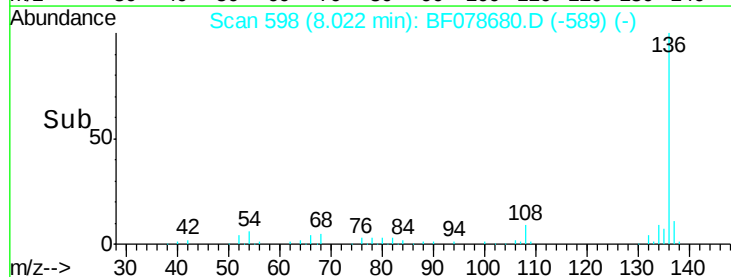
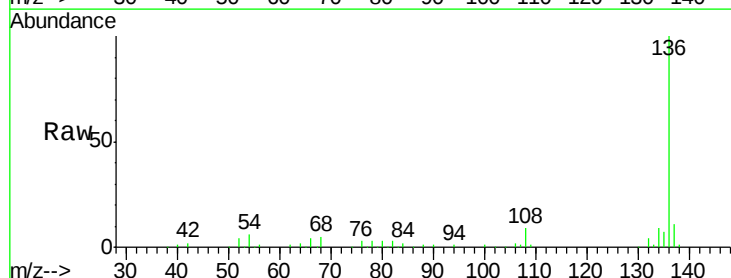
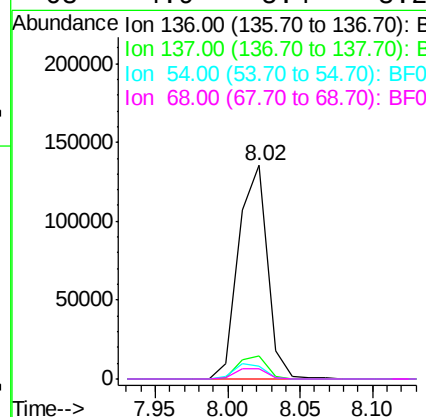
RT: 8.02 min Scan# 598

Delta R.T. -0.00 min

Lab File: BF078680.D

Acq: 21 Apr 2015 11:36

Tgt Ion:	136	Resp:	187034
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.0	13.4
54	6.2	7.0	10.6#
68	4.9	5.4	8.2#





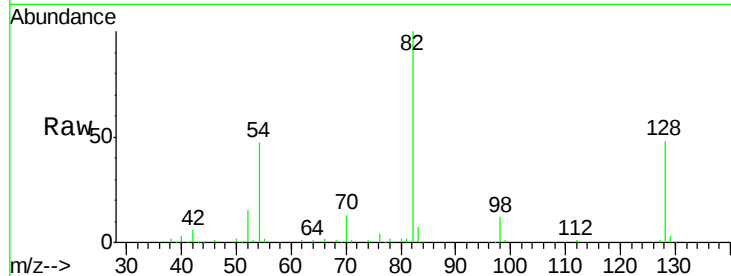
#23
Nitrobenzene-d5
Concen: 56.85 ng
RT: 6.80 min Scan# 491
Delta R.T. -0.00 min
Lab File: BF078680.D
Acq: 21 Apr 2015 11:36

Instrument :
BNA_F
ClientSampleId :
LS-SB05B

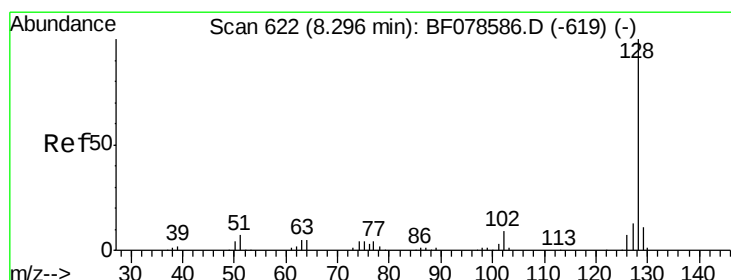
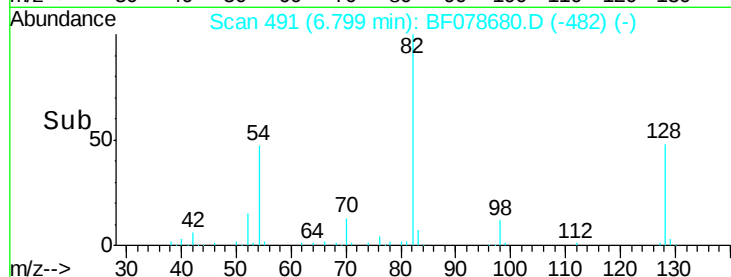
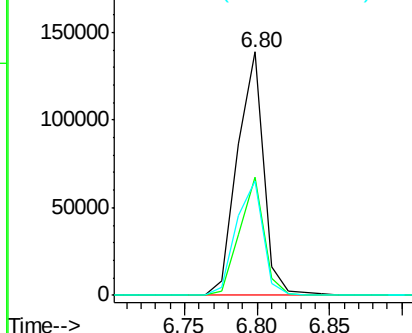
Tot Ion	82	Resp	175421
Ion	Ratio	Lower	Upper
82	100		
128	48.3	31.8	47.8#
54	46.9	41.5	62.3

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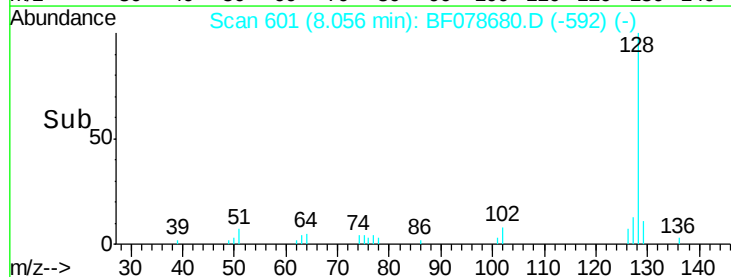
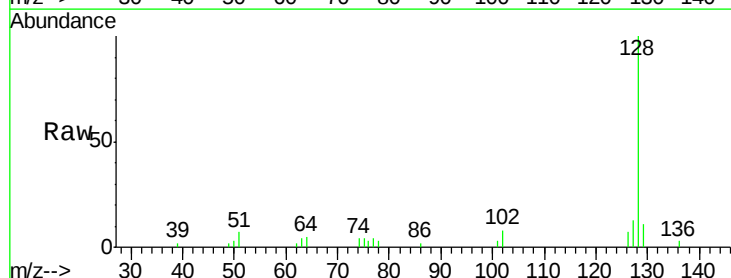
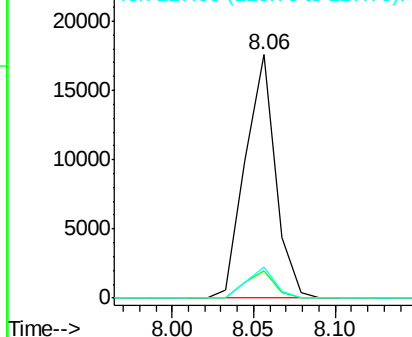
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Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

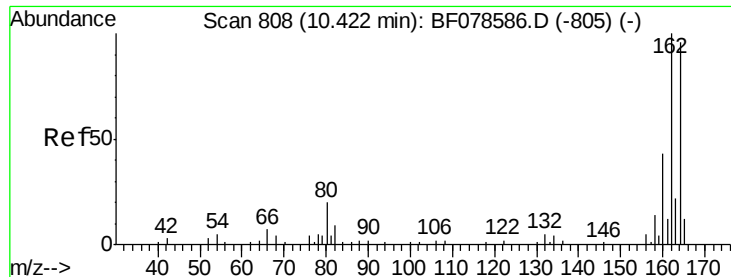


#31
Naphthalene
Concen: 2.32 ng
RT: 8.06 min Scan# 601
Delta R.T. -0.00 min
Lab File: BF078680.D
Acq: 21 Apr 2015 11:36

Tgt Ion	128	Resp	22559
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	12.8
127	12.8	10.7	16.1

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





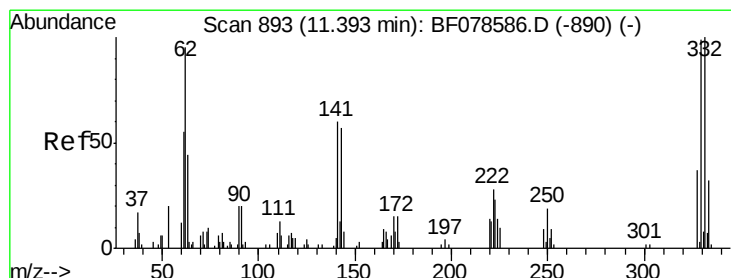
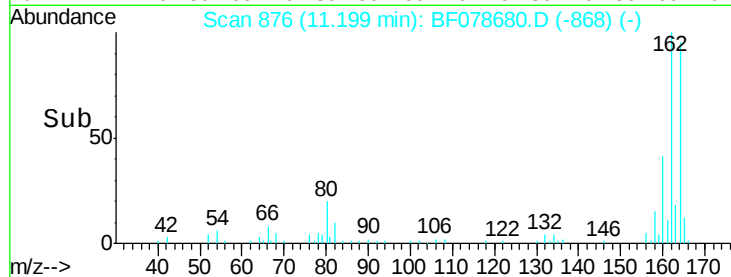
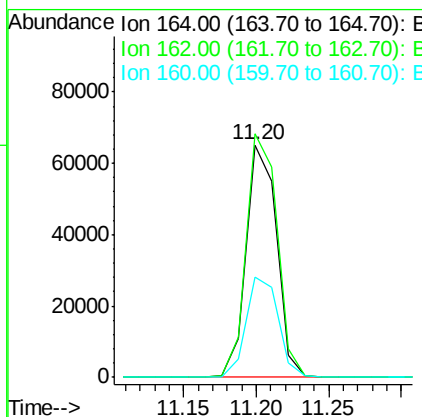
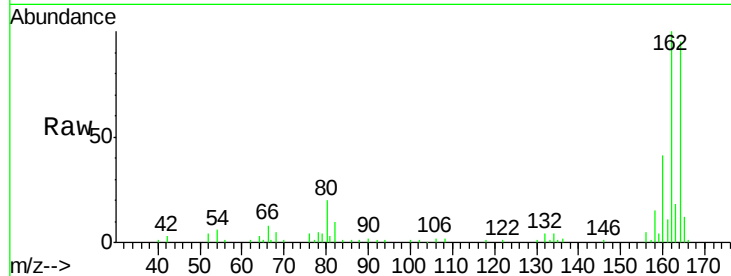
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: BF078680.D
 Acq: 21 Apr 2015 11:36

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB05B

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.8	82.2	123.2
160	43.1	34.7	52.1

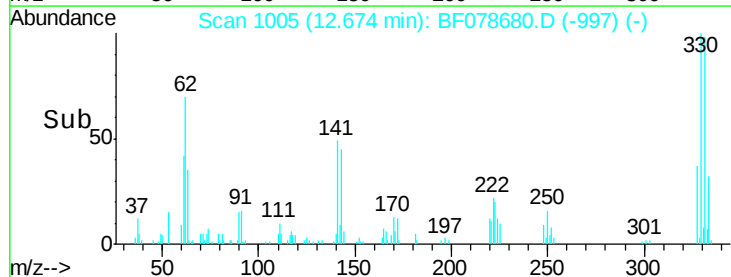
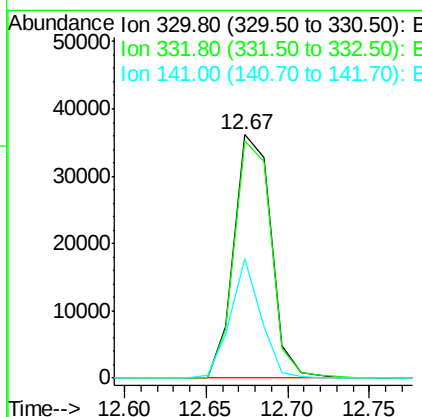
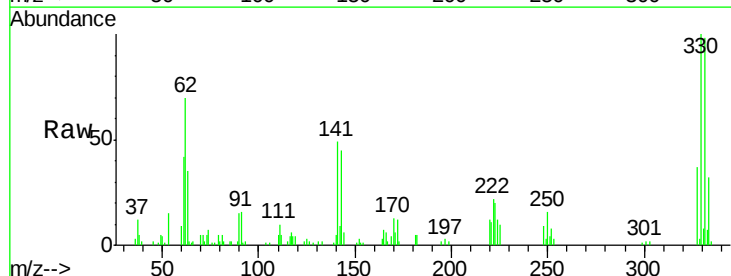
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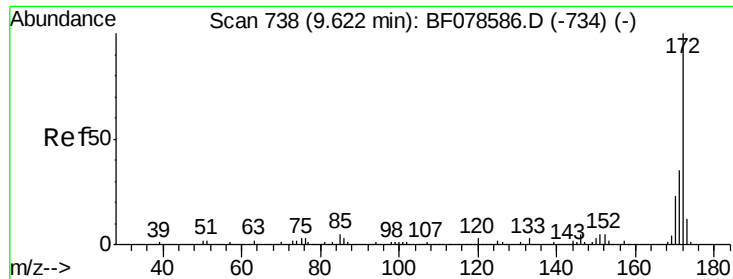
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#41
 2,4,6-Tribromophenol
 Concen: 72.53 ng
 RT: 12.67 min Scan# 1005
 Delta R.T. -0.01 min
 Lab File: BF078680.D
 Acq: 21 Apr 2015 11:36

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.6	117.8
141	40.7	31.2	46.8





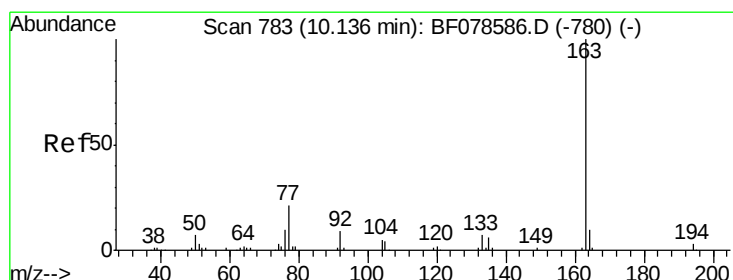
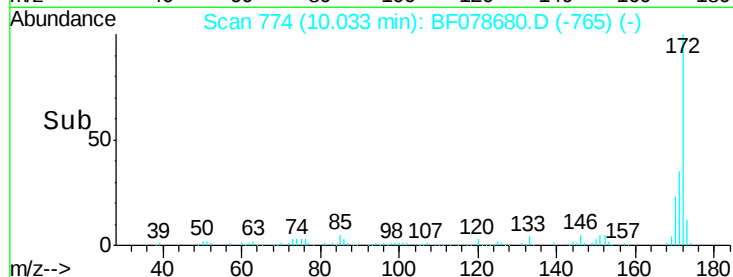
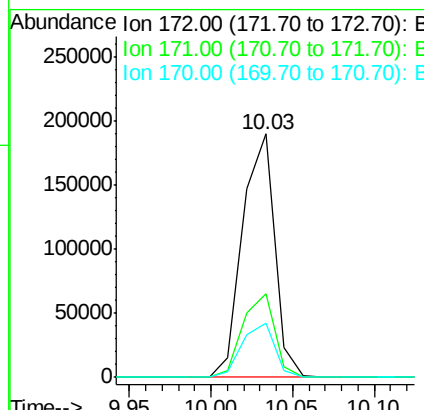
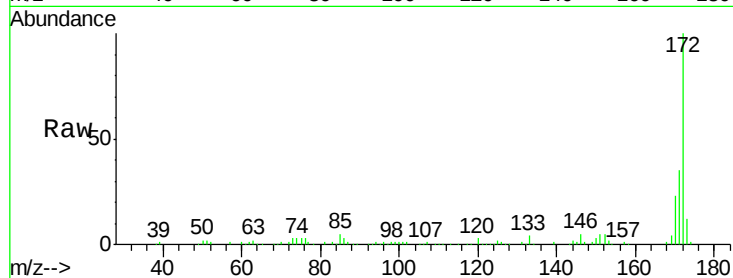
#44
2-Fluorobiphenyl
Concen: 39.27 ng
RT: 10.03 min Scan# 774
Delta R.T. 0.00 min
Lab File: BF078680.D
Acq: 21 Apr 2015 11:36

Instrument :
BNA_F
ClientSampleId :
LS-SB05B

Tot Ion	Ratio	Resp	Lower	Upper
172	100	259263		
171	34.6		28.6	42.8
170	22.5		18.5	27.7

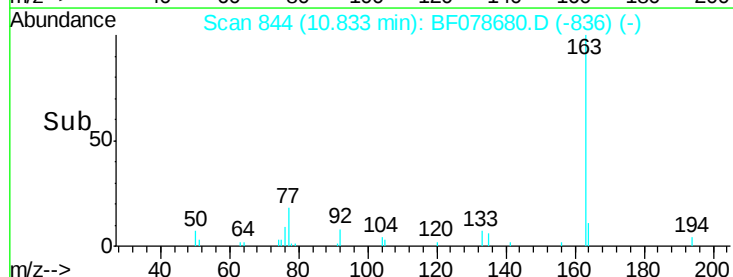
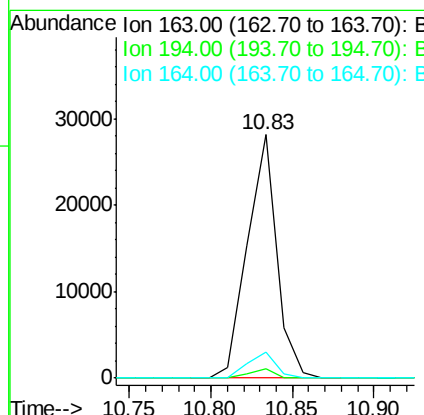
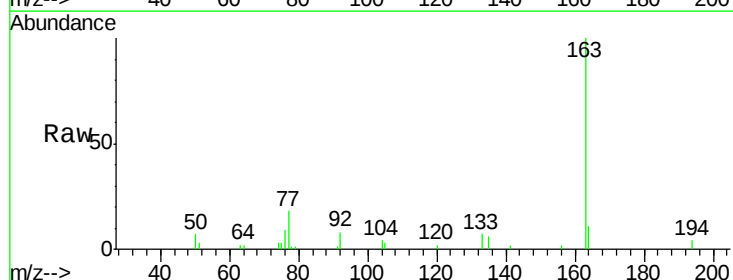
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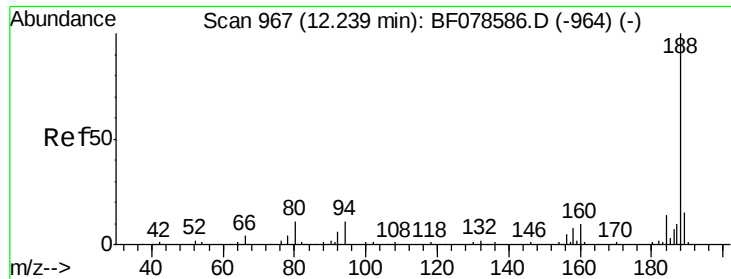
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#49
Dimethylphthalate
Concen: 4.95 ng
RT: 10.83 min Scan# 844
Delta R.T. -0.01 min
Lab File: BF078680.D
Acq: 21 Apr 2015 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	35117		
194	3.9		2.3	3.5#
164	10.9		8.6	13.0





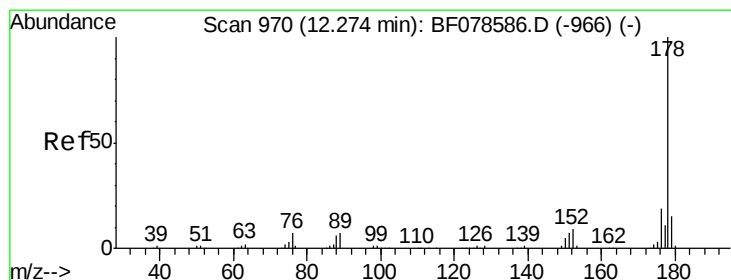
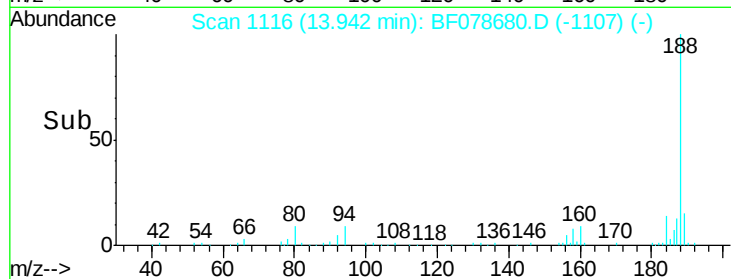
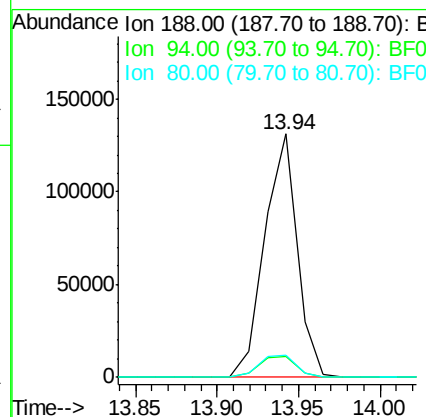
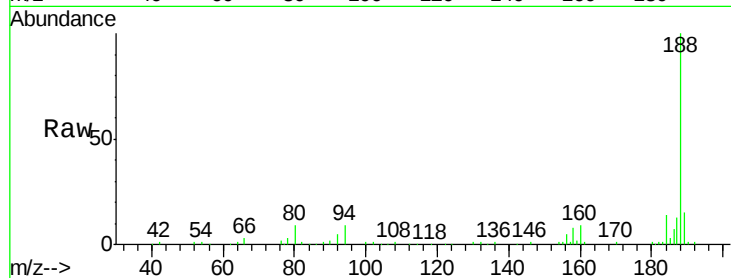
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 13.94 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BF078680.D
Acq: 21 Apr 2015 11:36

Instrument :
BNA_F
ClientSampleId :
LS-SB05B

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.8	9.0	13.4#
80	9.3	9.5	14.3#

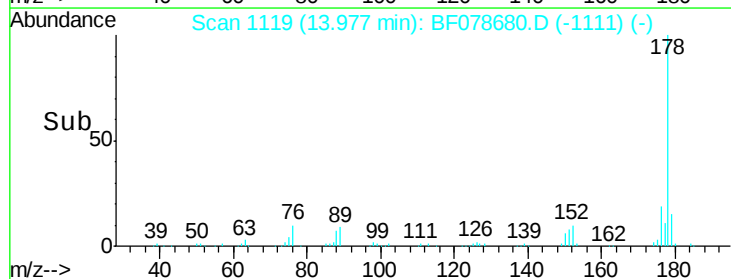
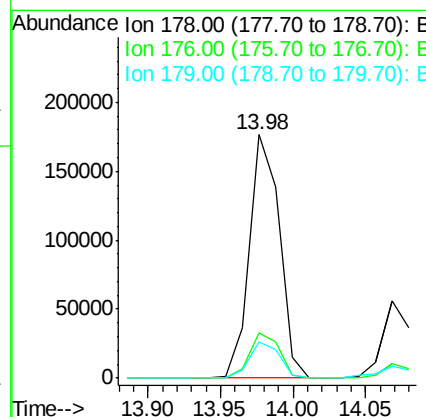
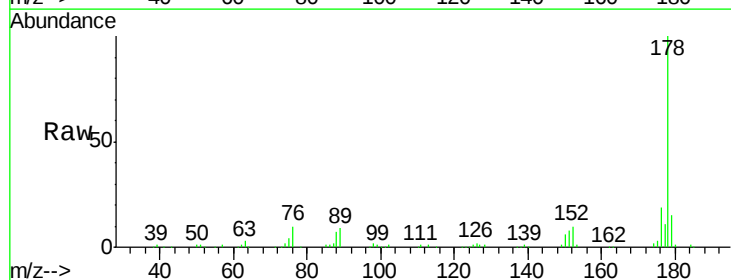
Manual Integrations
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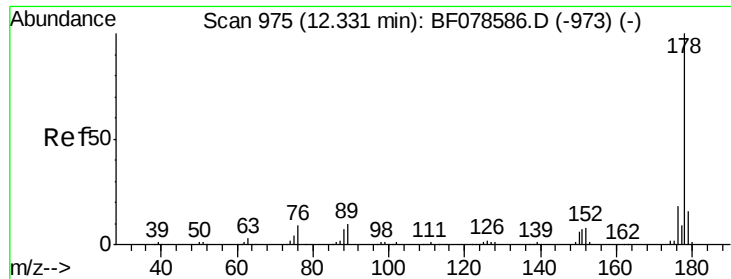
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#70
Phenanthrene
Concen: 24.02 ng
RT: 13.98 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BF078680.D
Acq: 21 Apr 2015 11:36

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.8	15.4	23.0
179	15.0	12.2	18.2





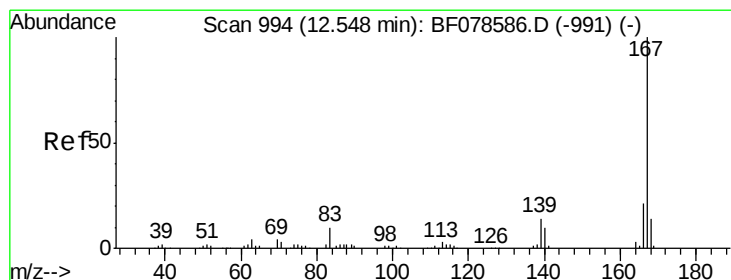
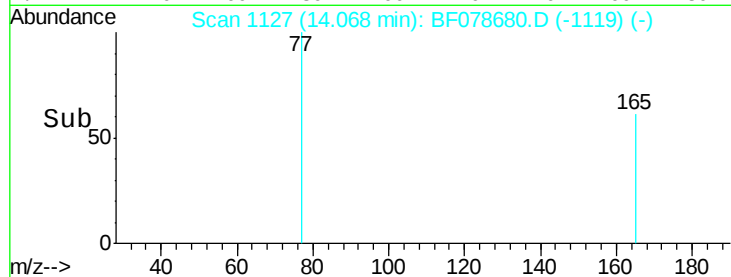
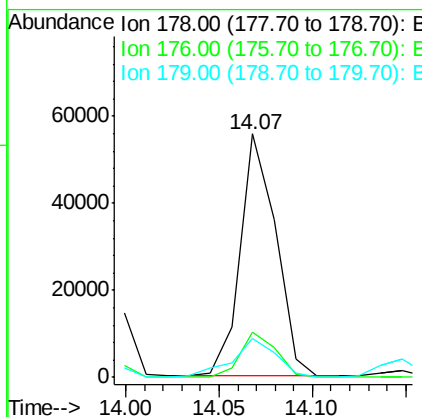
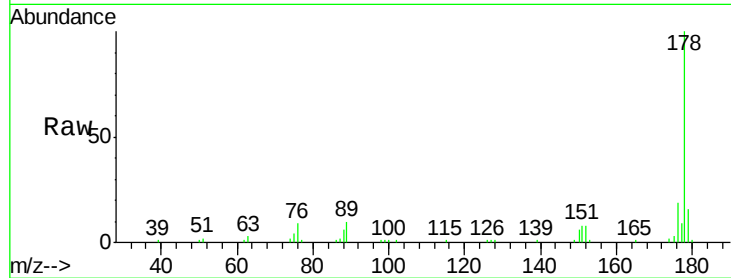
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 Anthracene
 Concen: 7.12 ng
 RT: 14.07 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: BF078680.D
 Acq: 21 Apr 2015 11:36

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB05B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	16.1	12.4	18.6

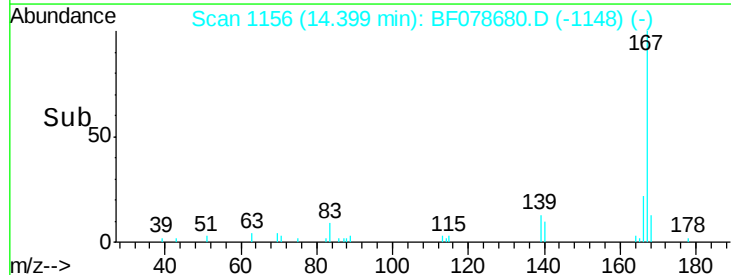
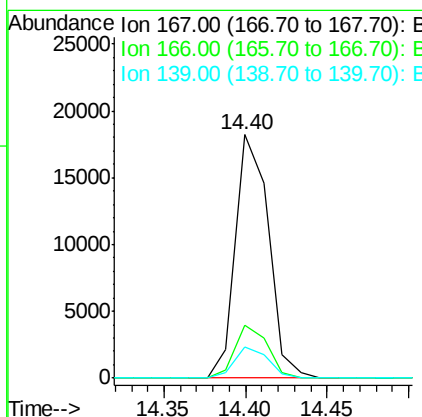
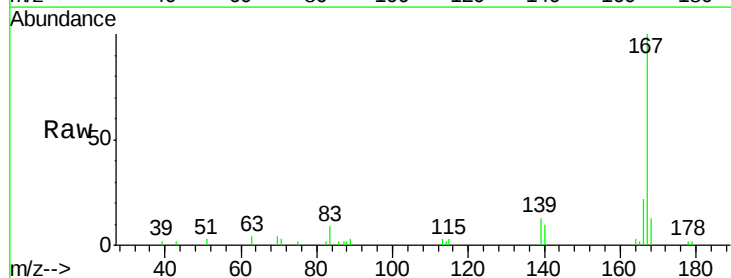
Manual Integrations
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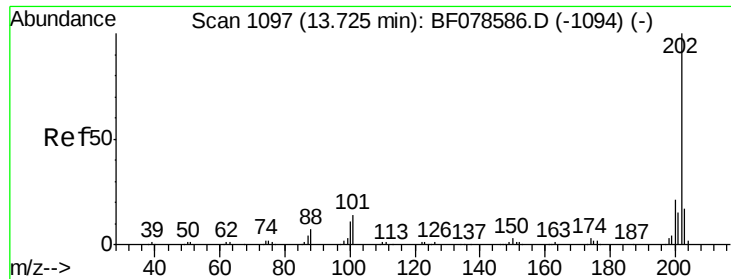
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#72
 Carbazole
 Concen: 2.62 ng
 RT: 14.40 min Scan# 1156
 Delta R.T. -0.01 min
 Lab File: BF078680.D
 Acq: 21 Apr 2015 11:36

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.5	16.8	25.2
139	12.6	10.0	15.0





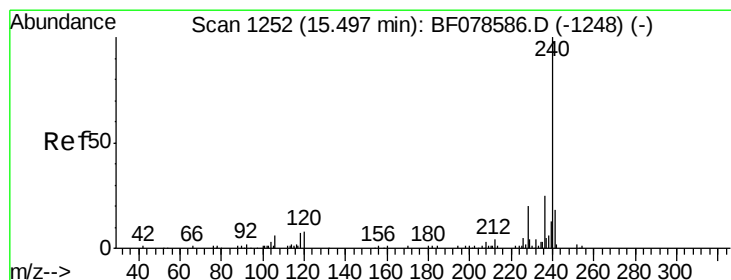
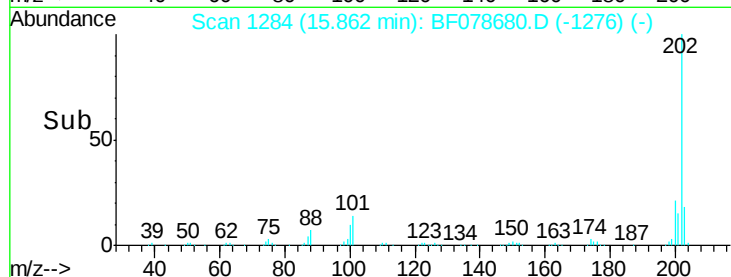
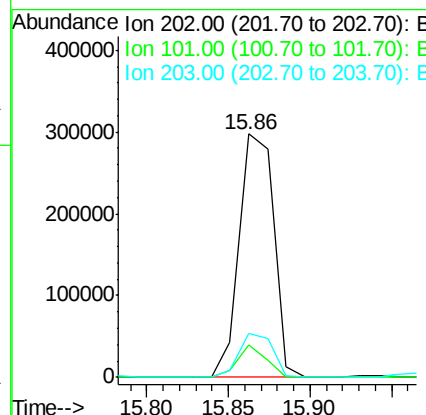
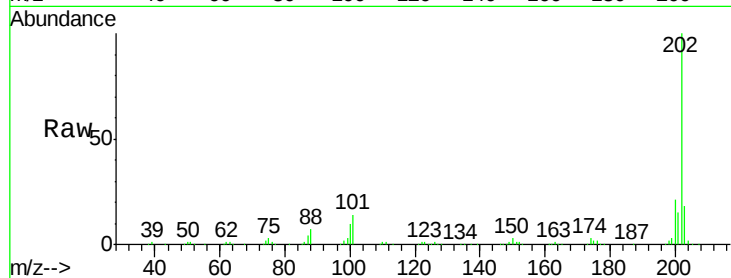
#74
 Fluoranthene
 Concen: 39.23 ng
 RT: 15.86 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: BF078680.D
 Acq: 21 Apr 2015 11:36

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB05B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.5	0.0	35.2
203	17.9	0.0	38.5

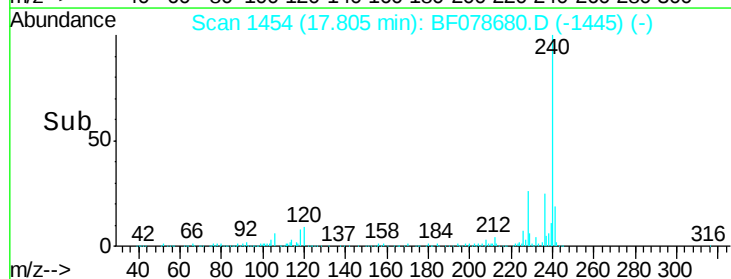
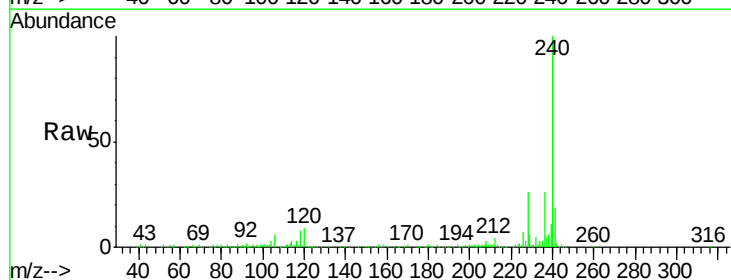
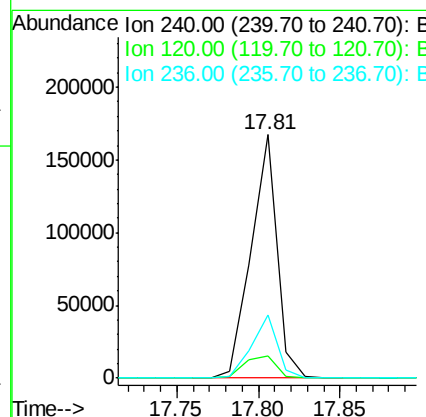
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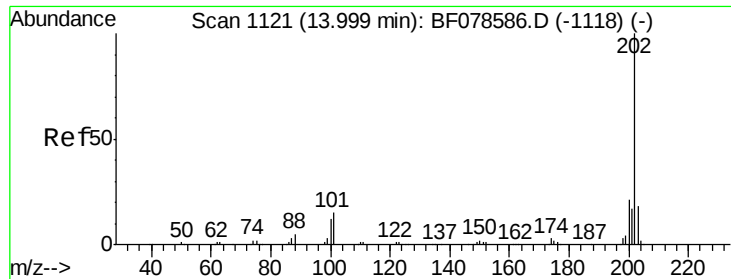
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 17.81 min Scan# 1454
 Delta R.T. 0.00 min
 Lab File: BF078680.D
 Acq: 21 Apr 2015 11:36

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.3	7.1	10.7
236	25.8	21.4	32.2





#77

Pvrene

Concen: 33.69 ng

RT: 16.17 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF078680.D

Acq: 21 Apr 2015 11:36

Instrument :

BNA_F

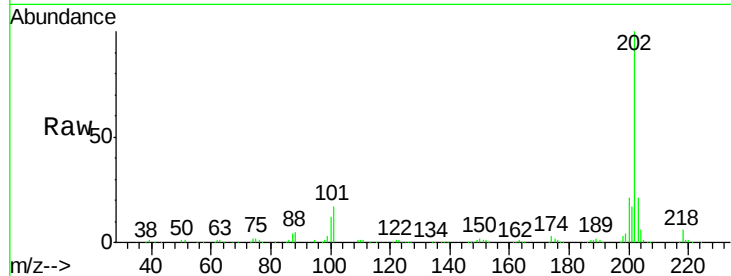
ClientSampleId :

LS-SB05B

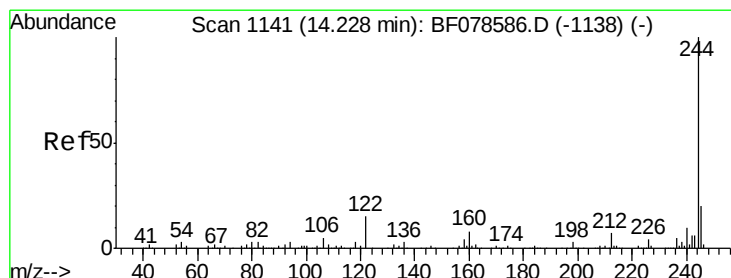
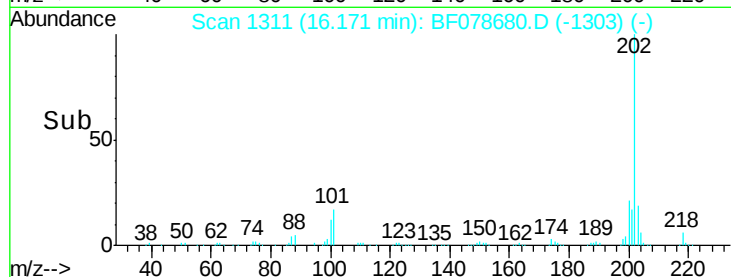
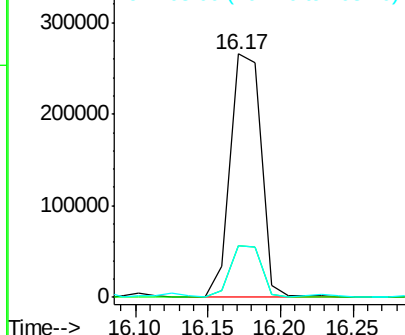
Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.3	16.3	24.5
203	21.0	13.8	20.6

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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: 33.83 ng

RT: 16.46 min Scan# 1336

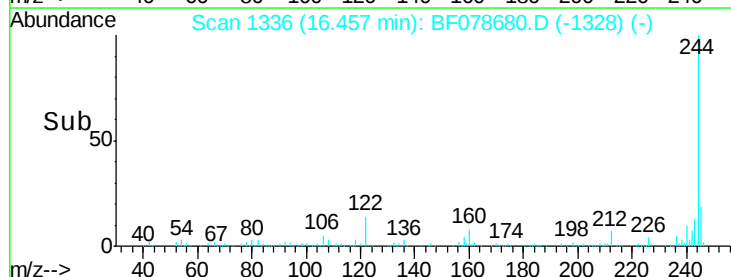
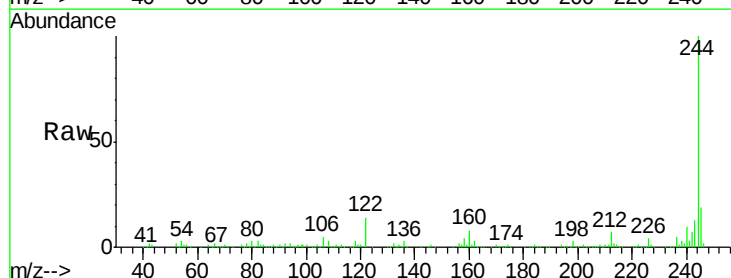
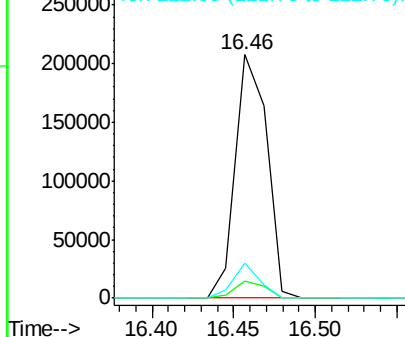
Delta R.T. -0.01 min

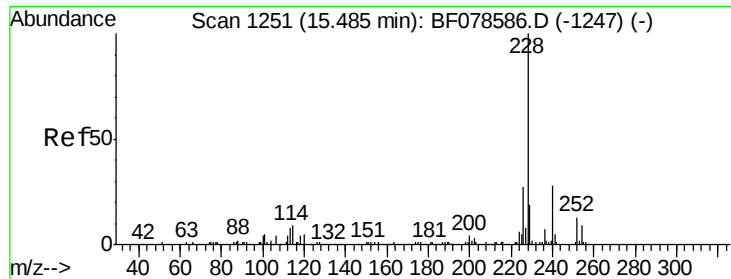
Lab File: BF078680.D

Acq: 21 Apr 2015 11:36

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	5.0	7.4
122	14.3	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





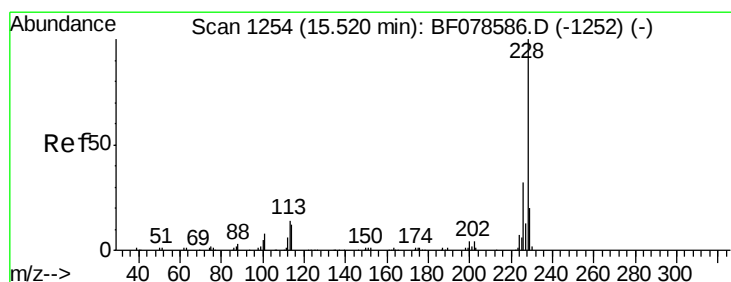
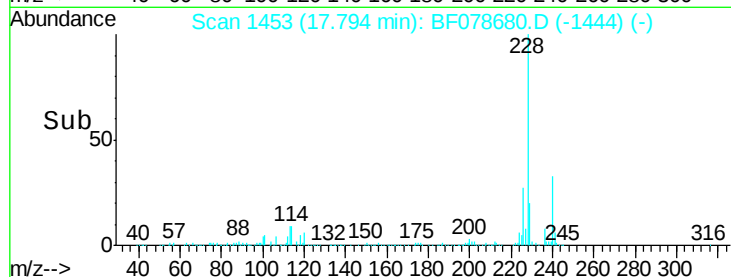
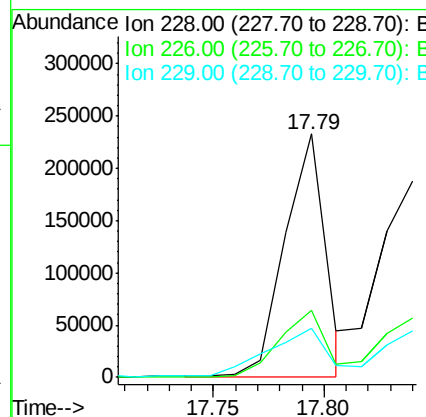
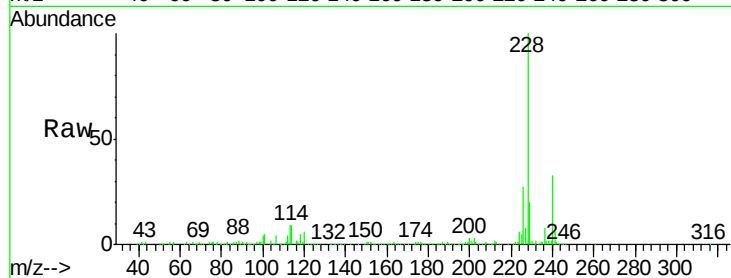
#80
Benzo(a)anthracene
Concen: 27.08 ng m
RT: 17.79 min Scan# 1453
Delta R.T. -0.00 min
Lab File: BF078680.D
Acq: 21 Apr 2015 11:36

Instrument :
BNA_F
ClientSampleId :
LS-SB05B

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.3	31.9
229	20.3	15.4	23.2

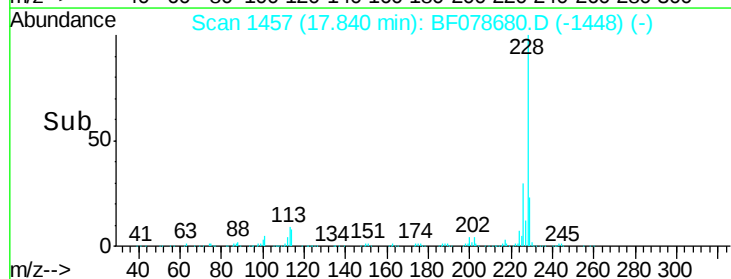
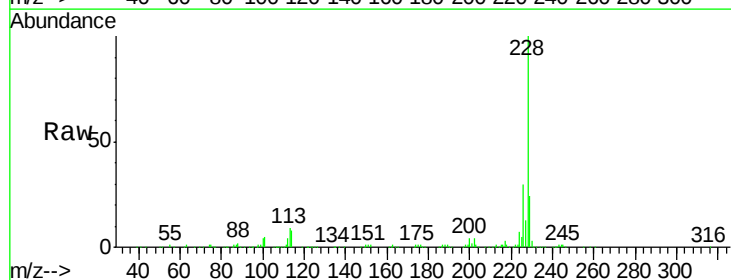
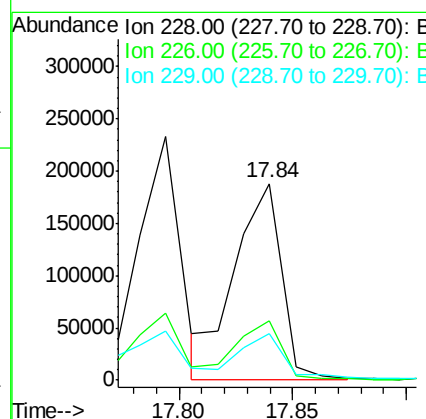
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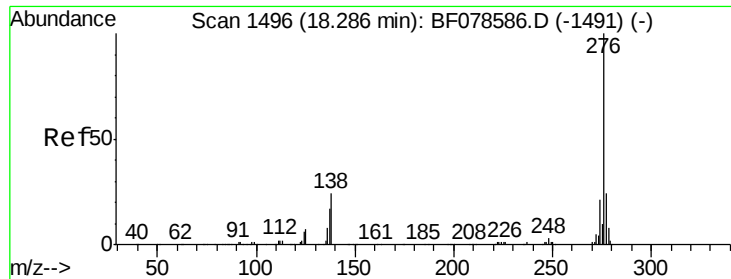
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#82
Chrysene
Concen: 26.05 ng m
RT: 17.84 min Scan# 1457
Delta R.T. -0.00 min
Lab File: BF078680.D
Acq: 21 Apr 2015 11:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.2	36.4
229	23.8	15.8	23.8#





#85

Indeno(1,2,3-cd)pyrene

Concen: 19.62 ng/mL

RT: 20.72 min Scan# 1709

Delta R.T. -0.00 min

Lab File: BF078680.D

Acq: 21 Apr 2015 11:36

Instrument :

BNA_F

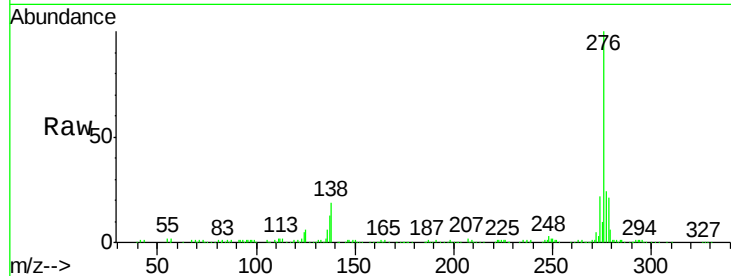
ClientSampleId :

LS-SB05B

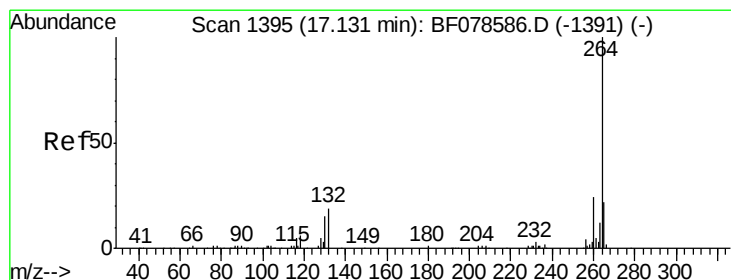
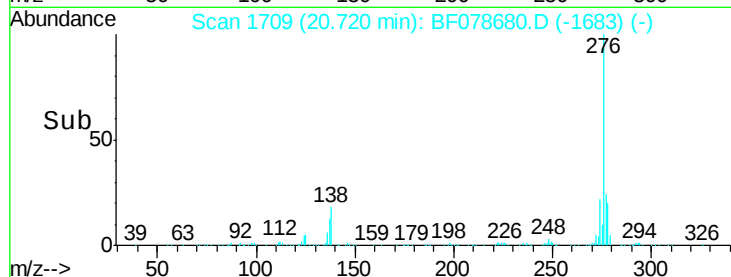
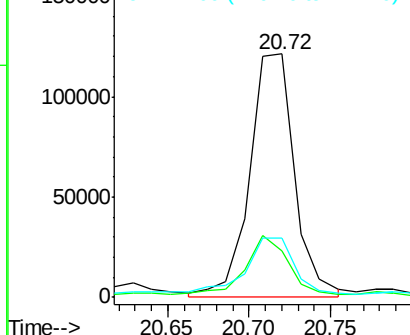
Tot Ion:	276	Resp:	230712
Ion Ratio	Lower	Upper	
276	100		
138	4.6	16.9	25.3#
277	4.2	15.8	23.6#

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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

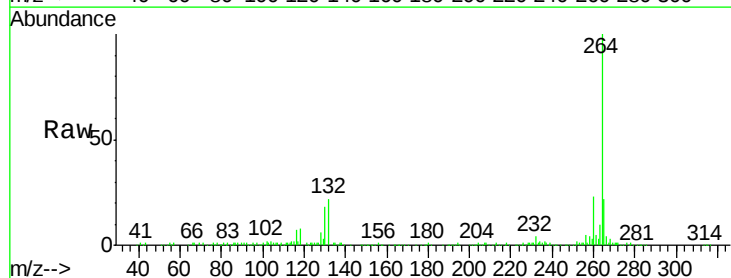
RT: 19.52 min Scan# 1604

Delta R.T. -0.01 min

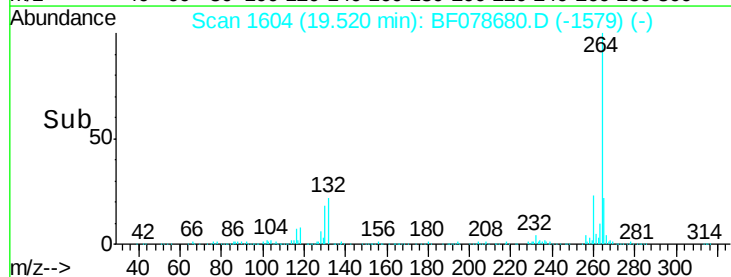
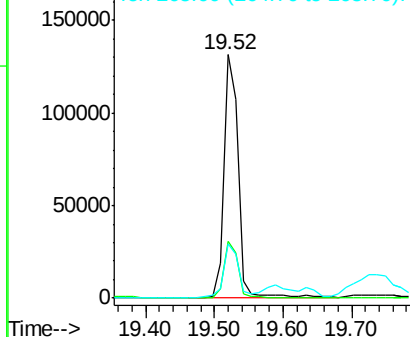
Lab File: BF078680.D

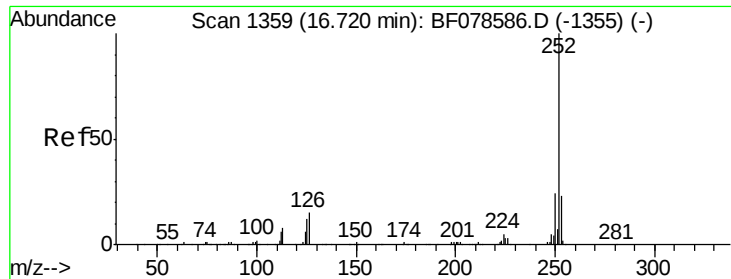
Acq: 21 Apr 2015 11:36

Tgt Ion:	264	Resp:	193867
Ion Ratio	Lower	Upper	
264	100		
260	23.2	18.6	27.8
265	22.5	17.0	25.6



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 33.19 ng m

RT: 19.10 min Scan# 1567

Delta R.T. -0.00 min

Lab File: BF078680.D

Acq: 21 Apr 2015 11:36

Instrument :

BNA_F

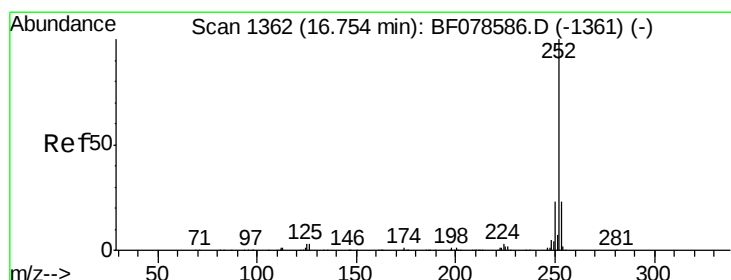
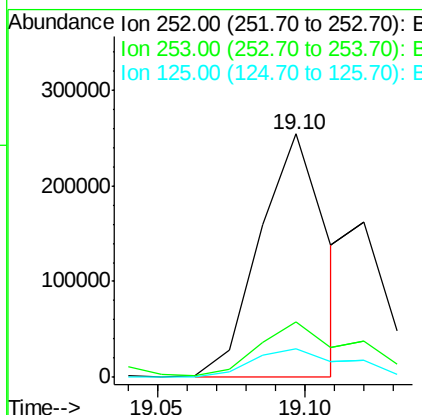
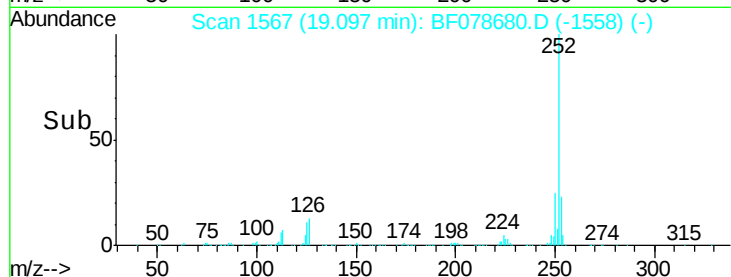
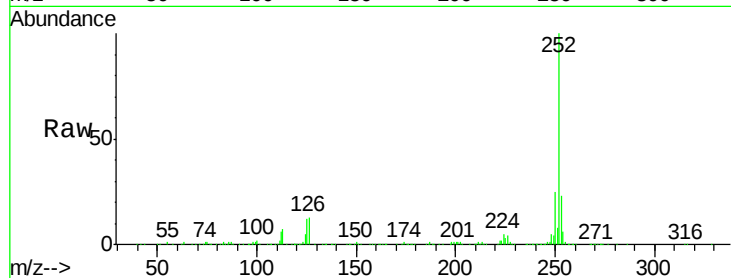
ClientSampleId :

LS-SB05B

Tot Ion:	252	Resp:	397642
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.2	25.8
125	11.7	7.0	10.4

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#88

Benzo(k)fluoranthene

Concen: 14.00 ng m

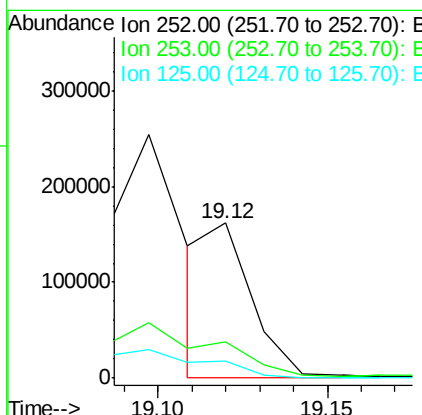
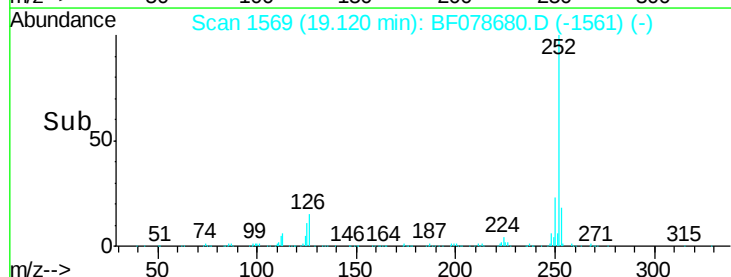
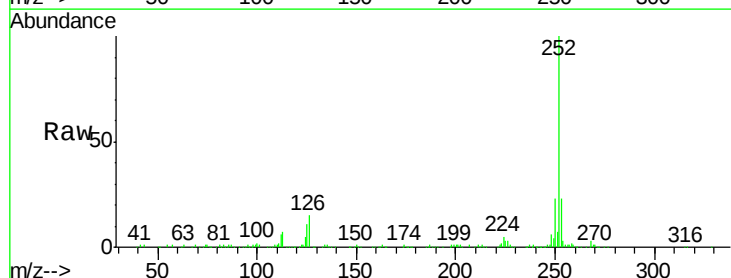
RT: 19.12 min Scan# 1569

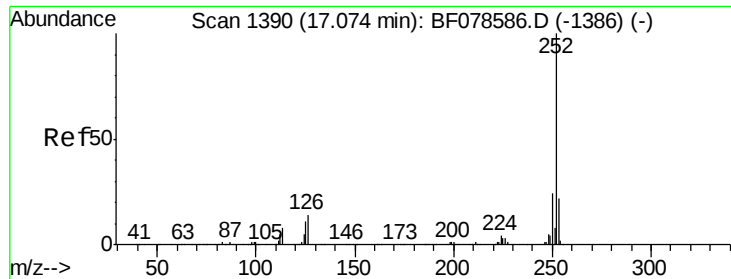
Delta R.T. -0.01 min

Lab File: BF078680.D

Acq: 21 Apr 2015 11:36

Tgt Ion:	252	Resp:	149089
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.5	26.3
125	11.1	11.6	17.4





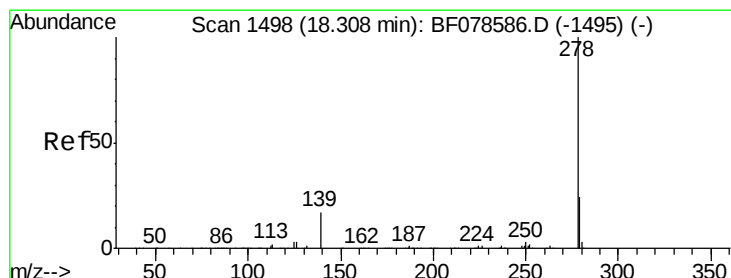
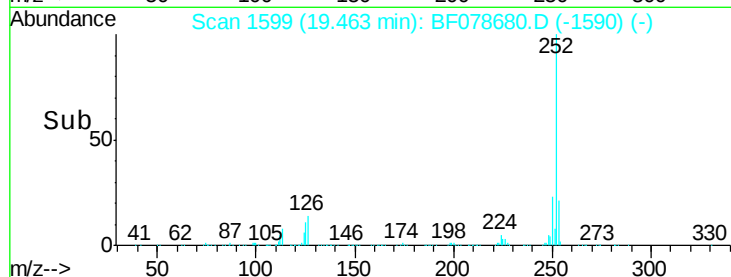
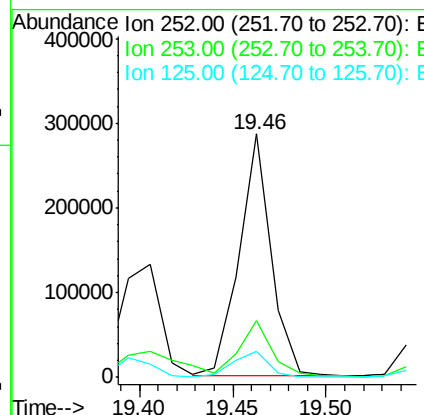
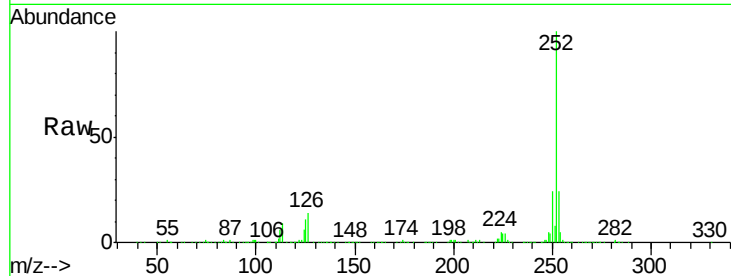
#89
Benzo(a)pyrene
Concen: 32.26 ng
RT: 19.46 min Scan# 1599
Delta R.T. -0.00 min
Lab File: BF078680.D
Acq: 21 Apr 2015 11:36

Instrument :
BNA_F
ClientSampleId :
LS-SB05B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	16.8	25.2
125	10.9	7.4	11.0

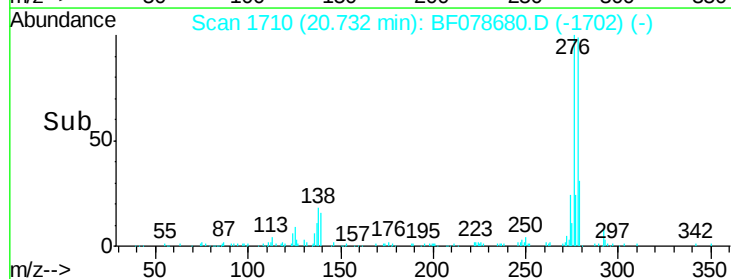
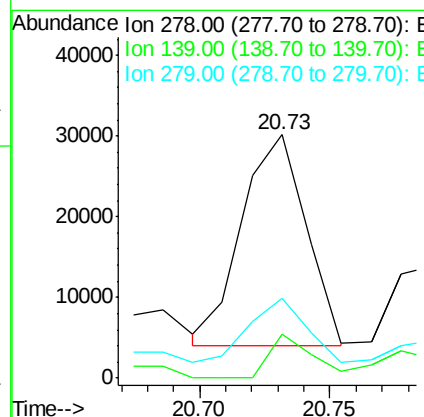
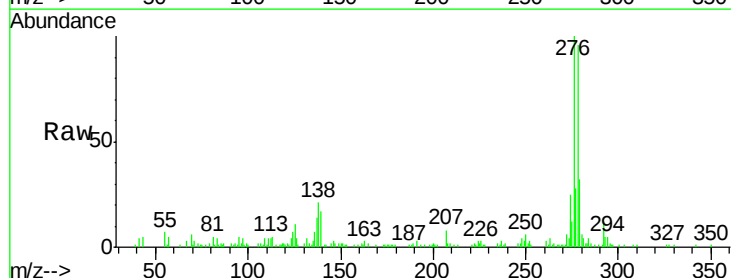
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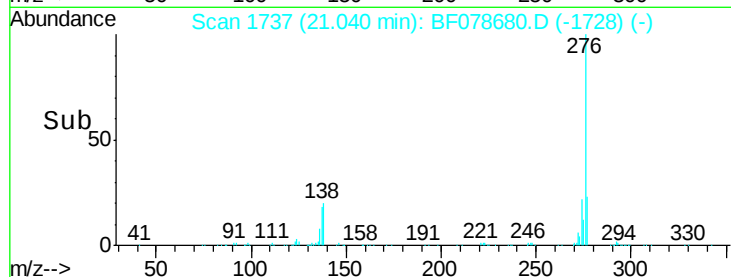
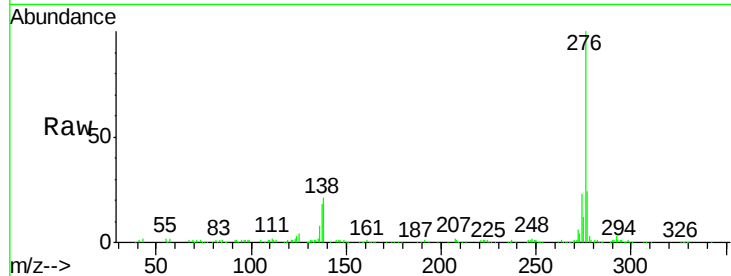
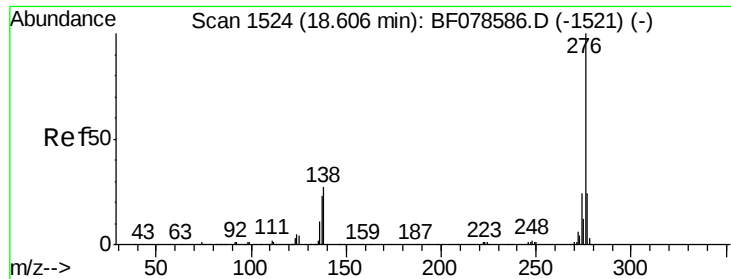
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#90
Dibenzo(a,h)anthracene
Concen: 4.31 ng m
RT: 20.73 min Scan# 1710
Delta R.T. -0.01 min
Lab File: BF078680.D
Acq: 21 Apr 2015 11:36

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.9	13.6	20.4
279	32.8	19.0	28.6





#91
Benzo(a,h,i)perylene
Concen: 18.59 ng
RT: 21.04 min Scan# 1737
Delta R.T. -0.00 min
Lab File: BF078680.D
Acq: 21 Apr 2015 11:36

Instrument :
BNA_F
ClientSampleId :
LS-SB05B

Tot Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	23.9	19.0	28.4
138	20.9	19.9	29.9

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