

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042015\
 Data File : BF078681.D
 Acq On : 21 Apr 2015 12:07
 Operator : TP/IZ
 Sample : G1902-01
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB18A

Manual Integrations
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Quant Time: Apr 21 13:17:50 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	39209	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	157287	20.00	ng	0.00
38) Acenaphthene-d10	11.21	164	77100	20.00	ng	0.00
63) Phenanthrene-d10	13.94	188	142635	20.00	ng	0.00
75) Chrysene-d12	17.81	240	150995	20.00	ng	0.00
86) Perylene-d12	19.57	264	152016	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.87	112	233984	98.39	ng	0.00
7) Phenol-d6	5.37	99	297916	99.96	ng	0.01
23) Nitrobenzene-d5	6.80	82	167825	64.67	ng	0.00
41) 2,4,6-Tribromophenol	12.69	330	66417	103.87	ng	0.00
44) 2-Fluorobiphenyl	10.03	172	299356	55.50	ng	0.00
78) Terphenyl-d14	16.47	244	315176	47.17	ng	0.00
Target Compounds						Qvalue
20) 3+4-Methylphenols	6.65	107	6058	2.08	ng	96
49) Dimethylphthalate	10.83	163	20052	3.46	ng	# 97
70) Phenanthrene	13.99	178	39386	4.77	ng	96
71) Anthracene	14.08	178	20392	2.51	ng	# 87
74) Fluoranthene	15.86	202	102874	11.82	ng	98
77) Pyrene	16.18	202	142429	15.03	ng	# 95
80) Benzo(a)anthracene	17.79	228	60152	6.70	ng	96
82) Chrysene	17.84	228	46950m	5.56	ng	
83) Bis(2-ethylhexyl)phthalate	17.93	149	50986	9.00	ng	# 98
85) Indeno(1,2,3-cd)pyrene	20.79	276	29888m	3.12	ng	
87) Benzo(b)fluoranthene	19.12	252	68025m	7.24	ng	
88) Benzo(k)fluoranthene	19.15	252	18633m	2.23	ng	
89) Benzo(a)pyrene	19.50	252	43273	5.28	ng	# 80
91) Benzo(a,h,i)perylene	21.11	276	28876m	3.51	ng	

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

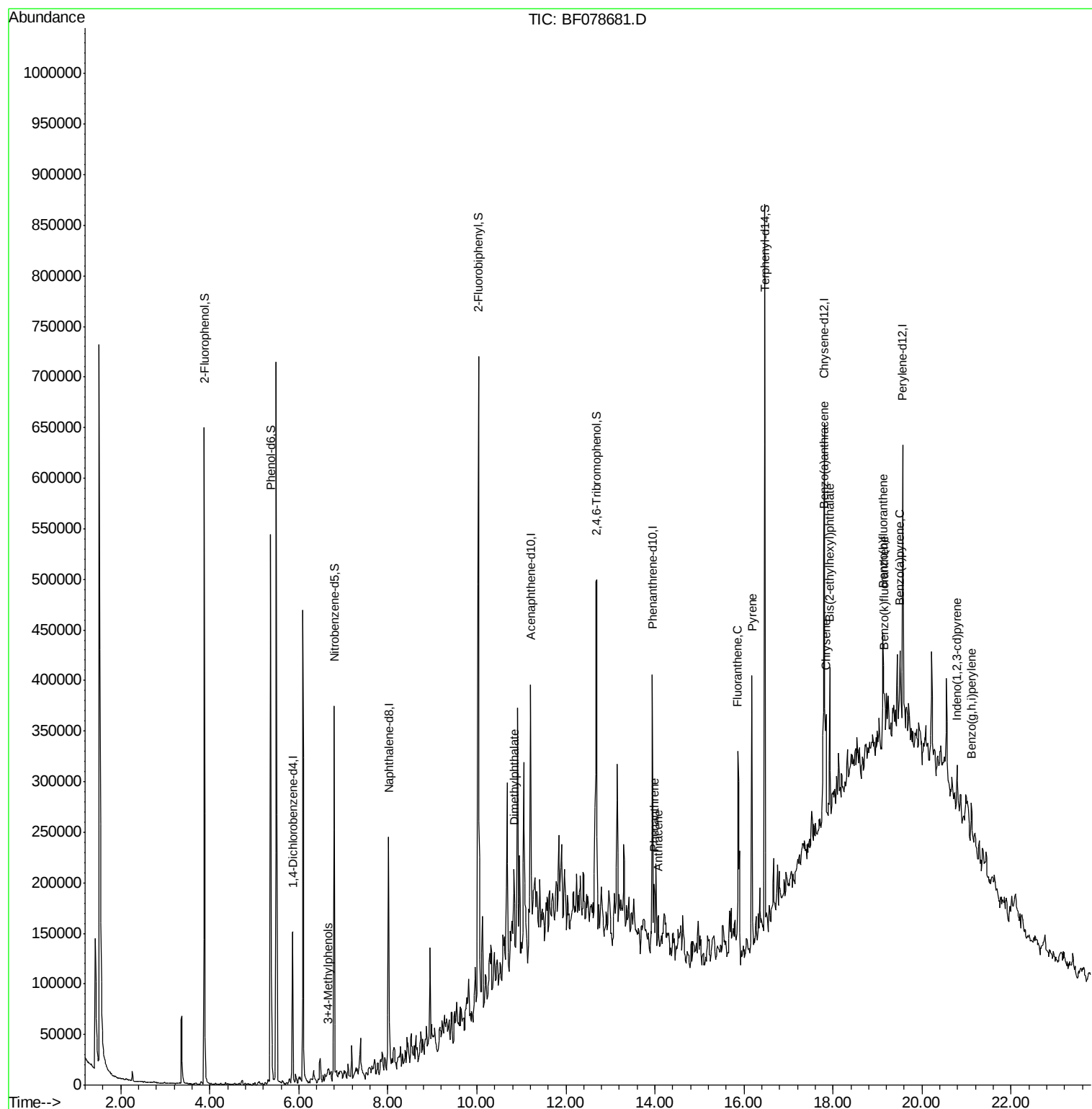
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042015\
Data File : BF078681.D
Acq On : 21 Apr 2015 12:07
Operator : TP/IZ
Sample : G1902-01
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Response via : Initial Calibration





#1

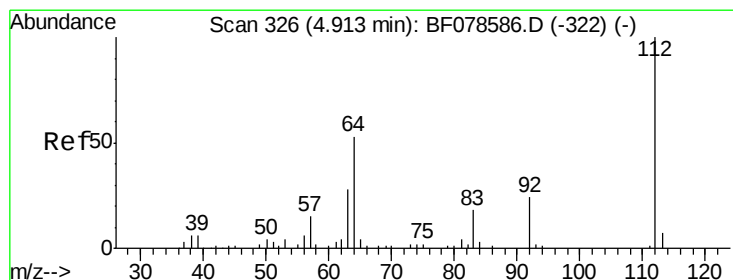
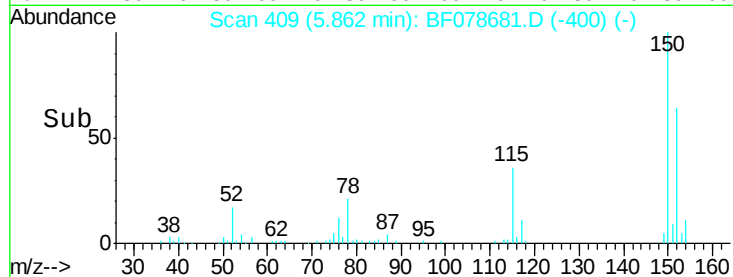
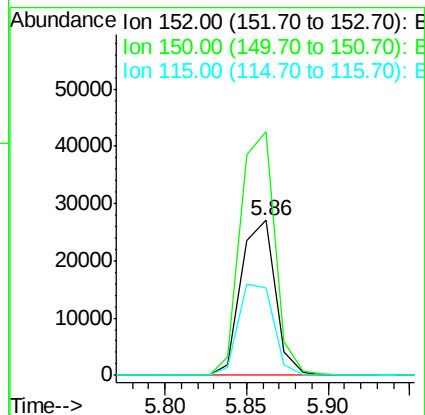
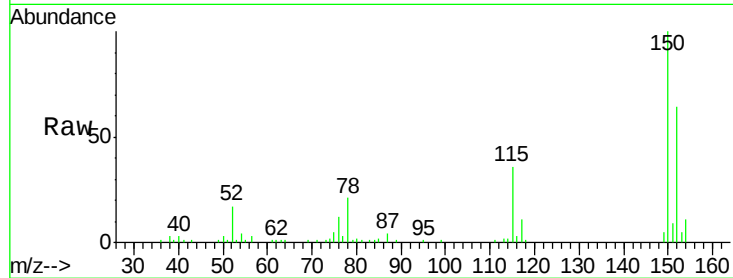
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.86 min Scan# 409
Delta R.T. 0.00 min
Lab File: BF078681.D
Acq: 21 Apr 2015 12:07

Instrument :
BNA_F
ClientSampleId :
LS-SB18A

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	125.9	188.9
115	56.3	52.7	79.1

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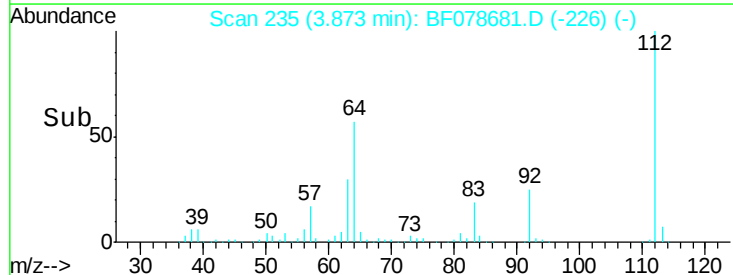
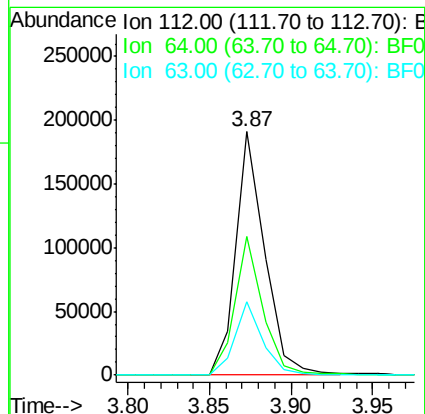
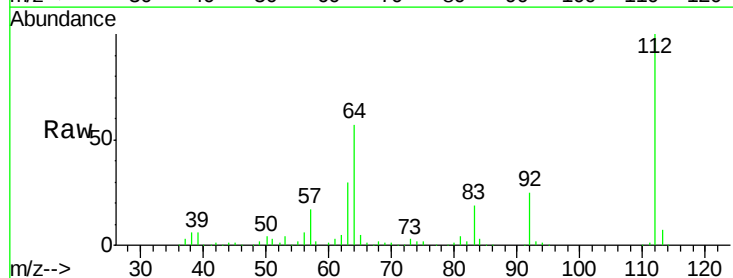
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#5

2-Fluorophenol
Concen: 98.39 ng
RT: 3.87 min Scan# 235
Delta R.T. 0.00 min
Lab File: BF078681.D
Acq: 21 Apr 2015 12:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	39.9	59.9
63	30.0	20.2	30.4





#7

Phenol-d6

Concen: 99.96 ng

RT: 5.37 min Scan# 366

Delta R.T. 0.01 min

Lab File: BF078681.D

Acq: 21 Apr 2015 12:07

Instrument :

BNA_F

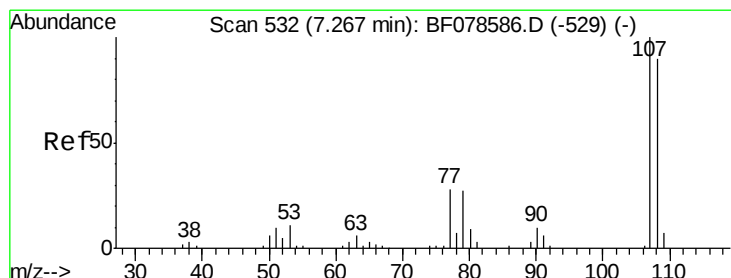
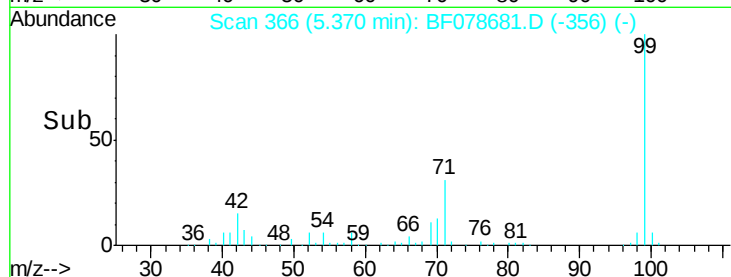
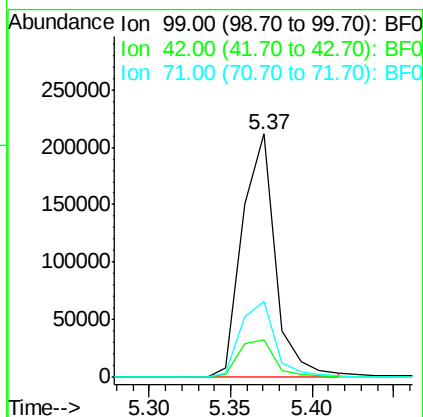
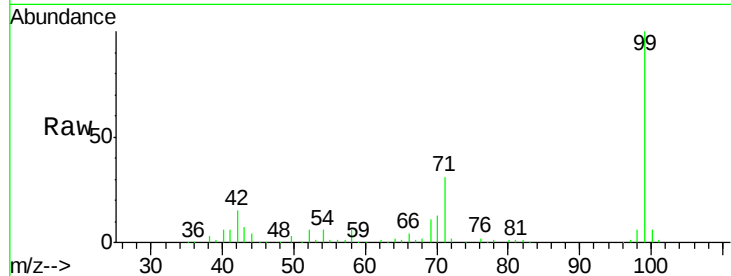
ClientSampled :

LS-SB18A

Tot Ion:	99	Resp:	297916
Ion Ratio	Lower	Upper	
99	100		
42	15.4	14.8	22.2
71	31.4	26.6	39.8

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#20

3+4-Methylphenols

Concen: 2.08 ng

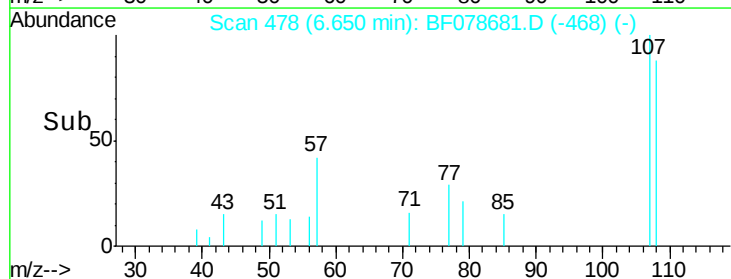
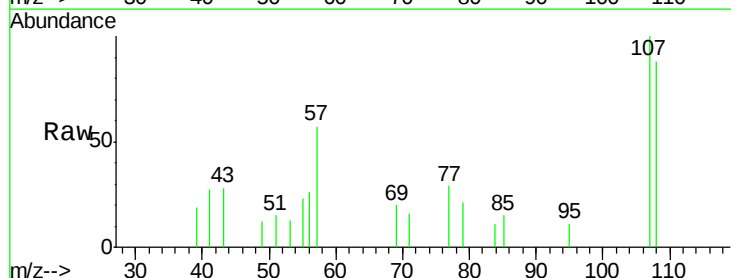
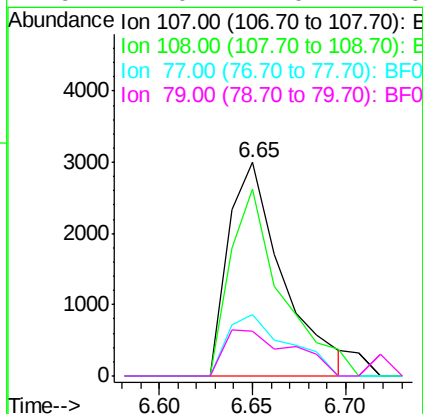
RT: 6.65 min Scan# 478

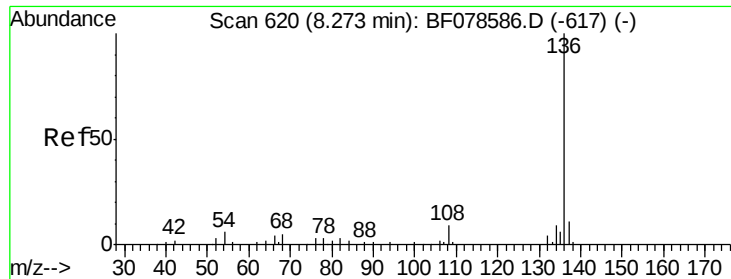
Delta R.T. 0.01 min

Lab File: BF078681.D

Acq: 21 Apr 2015 12:07

Tgt Ion:	107	Resp:	6058
Ion Ratio	Lower	Upper	
107	100		
108	87.8	64.4	104.4
77	28.9	9.7	49.7
79	21.0	4.0	44.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 598

Delta R.T. 0.00 min

Lab File: BF078681.D

Acq: 21 Apr 2015 12:07

Instrument :

BNA_F

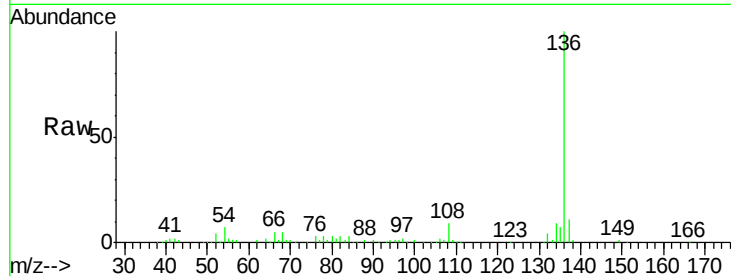
ClientSampleId :

LS-SB18A

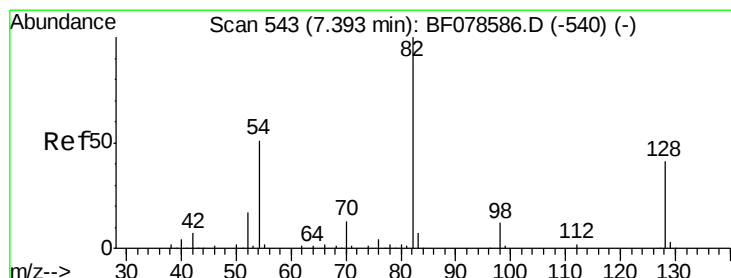
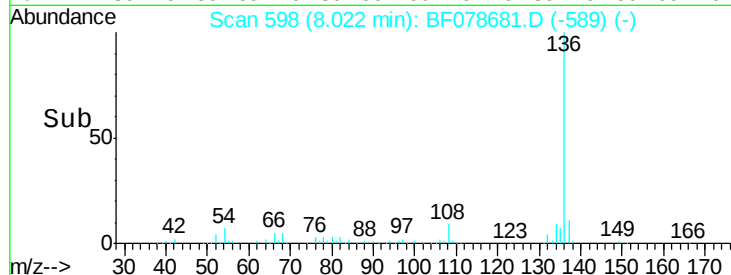
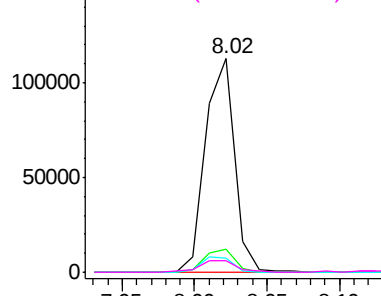
Tot Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.4
54	6.7	7.0	10.6
68	5.2	5.4	8.2

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Abundance Ion 136.00 (135.70 to 136.70): E



#23

Nitrobenzene-d5

Concen: 64.67 ng

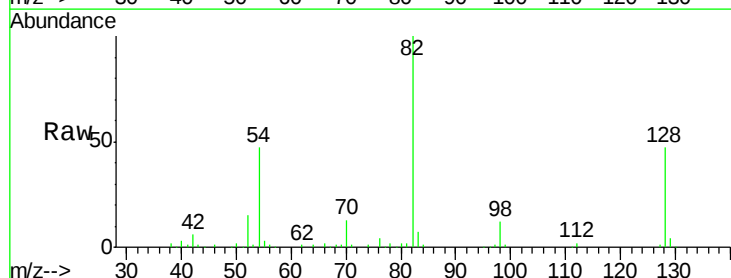
RT: 6.80 min Scan# 491

Delta R.T. 0.00 min

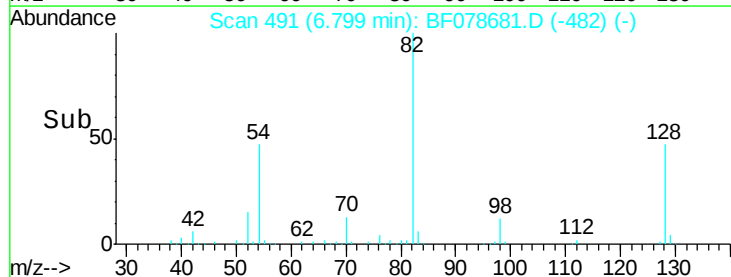
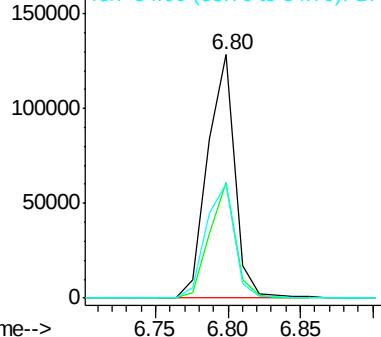
Lab File: BF078681.D

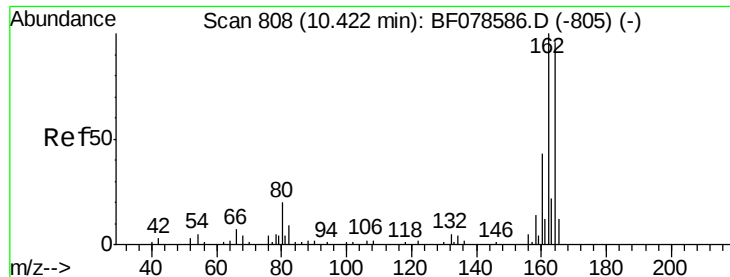
Acq: 21 Apr 2015 12:07

Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.3	31.8	47.8
54	47.2	41.5	62.3



Abundance Ion 82.00 (81.70 to 82.70): BF0





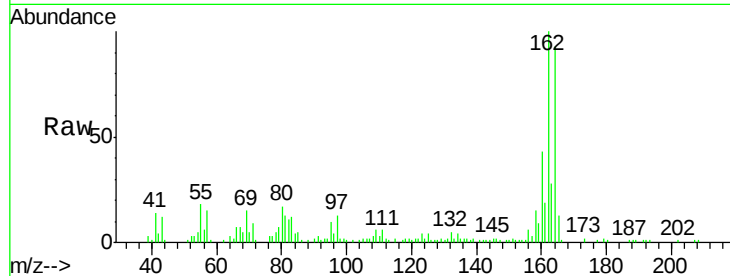
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 877
Delta R.T. 0.00 min
Lab File: BF078681.D
Acq: 21 Apr 2015 12:07

Instrument :
BNA_F
ClientSampleId :
LS-SB18A

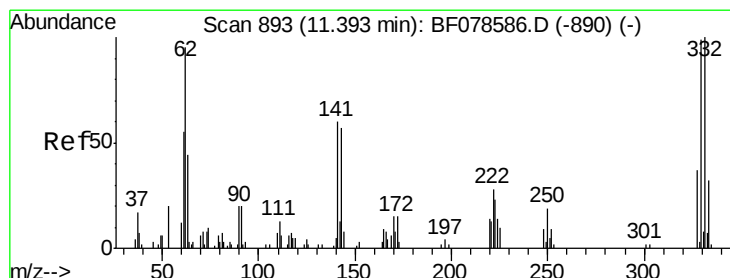
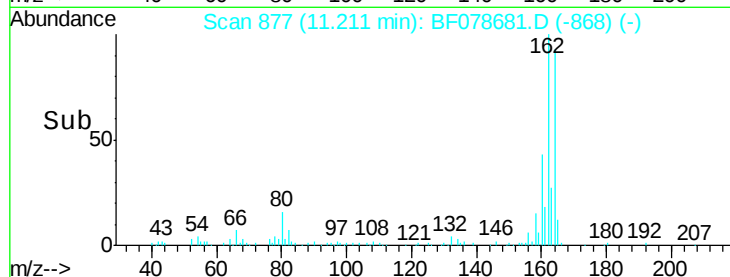
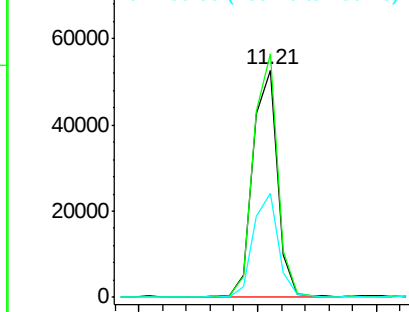
Tot Ion	Ratio	Lower	Upper
164	100		
162	107.1	82.2	123.2
160	45.8	34.7	52.1

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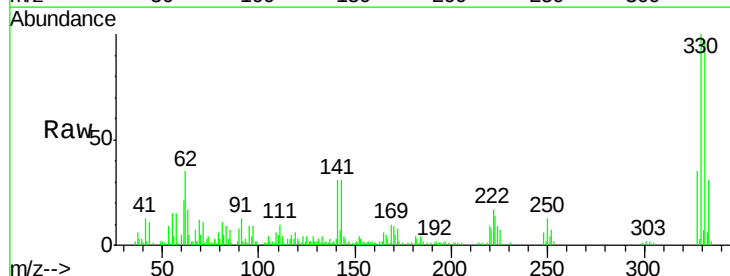


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

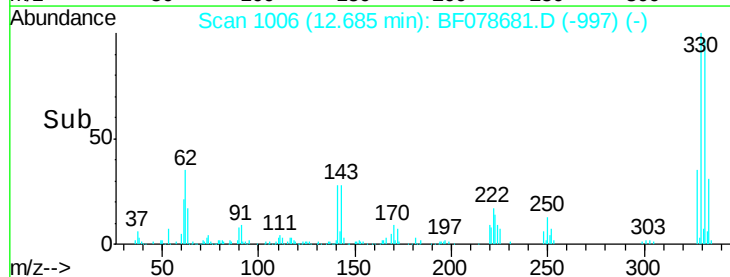
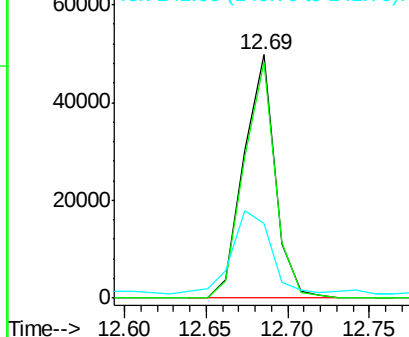


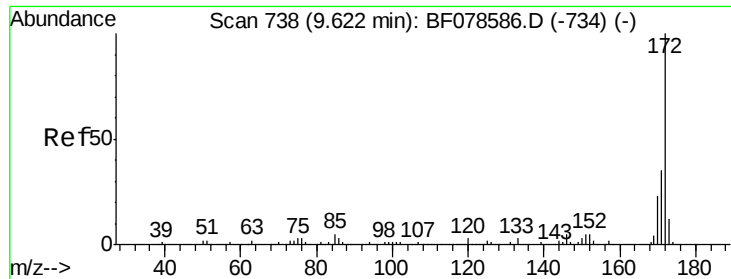
#41
2,4,6-Tribromophenol
Concen: 103.87 ng
RT: 12.69 min Scan# 1006
Delta R.T. 0.00 min
Lab File: BF078681.D
Acq: 21 Apr 2015 12:07

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	78.6	117.8
141	42.3	31.2	46.8



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





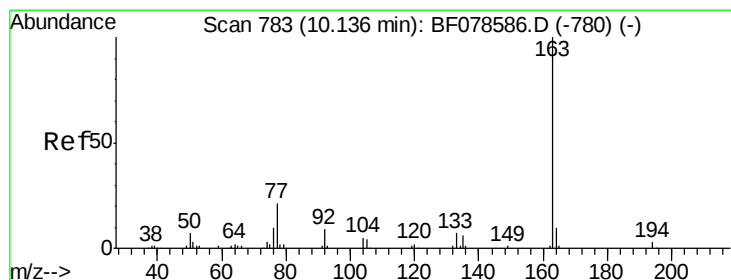
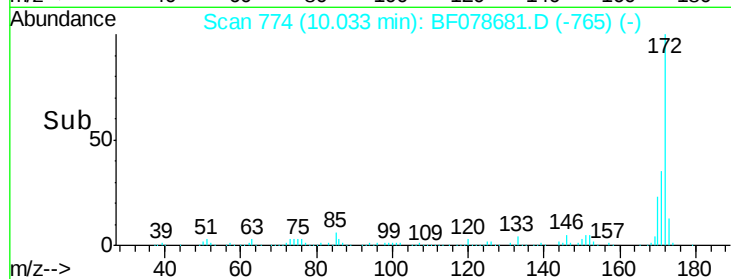
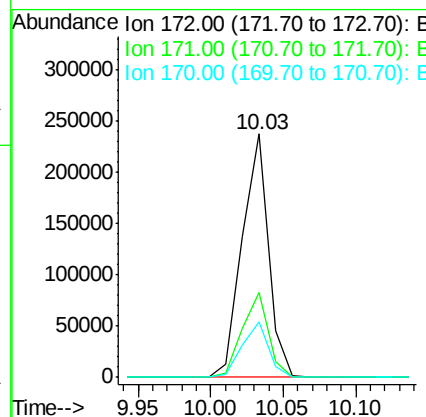
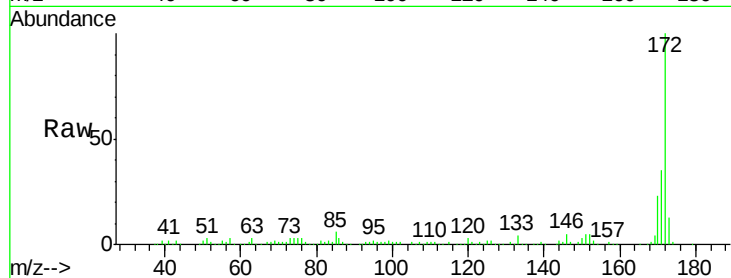
#44
2-Fluorobiphenyl
Concen: 55.50 ng
RT: 10.03 min Scan# 774
Delta R.T. 0.00 min
Lab File: BF078681.D
Acq: 21 Apr 2015 12:07

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.6	42.8
170	22.8	18.5	27.7

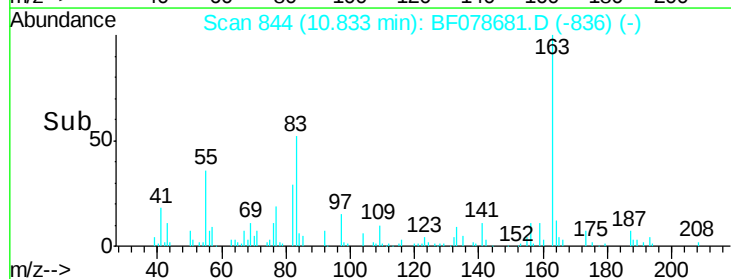
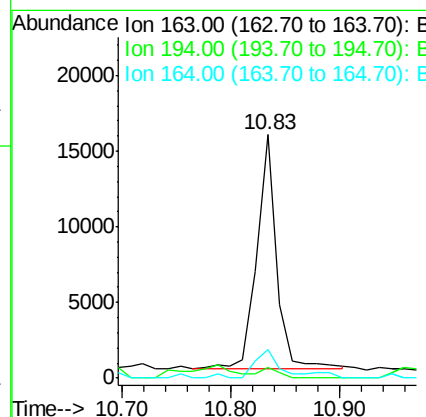
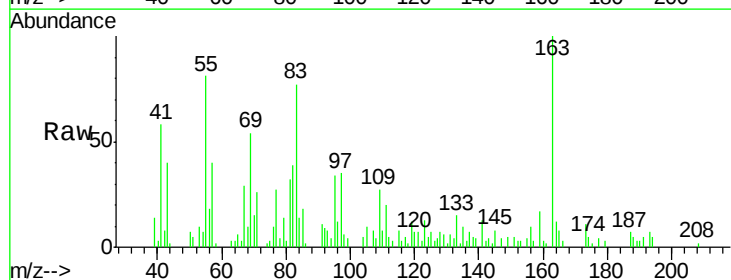
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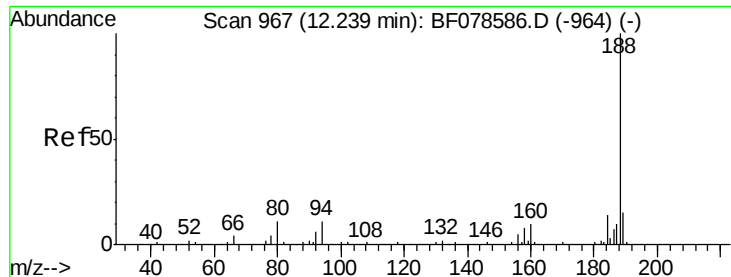
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#49
Dimethylphthalate
Concen: 3.46 ng
RT: 10.83 min Scan# 844
Delta R.T. -0.01 min
Lab File: BF078681.D
Acq: 21 Apr 2015 12:07

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	2.3	3.5#
164	11.7	8.6	13.0





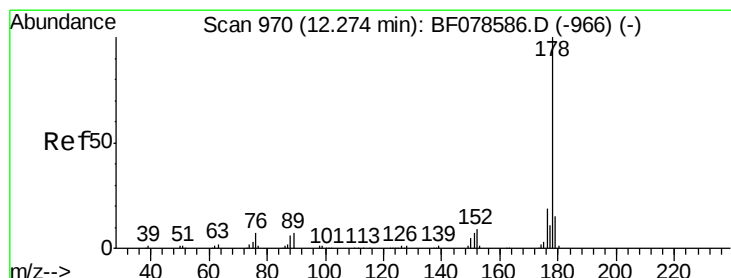
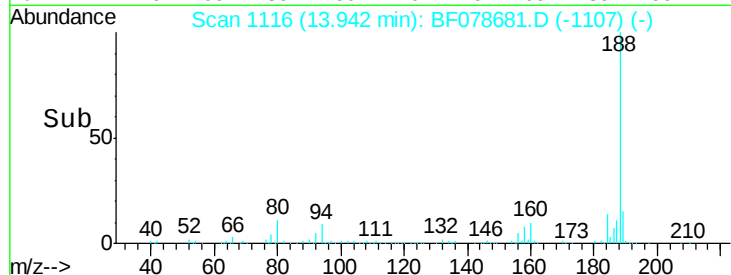
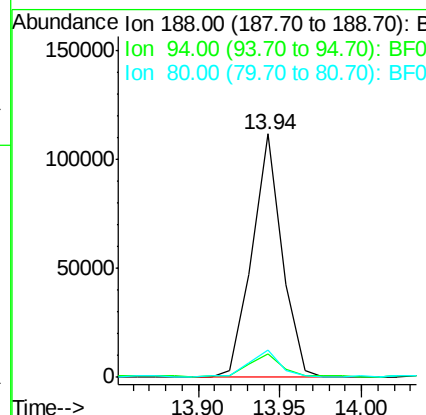
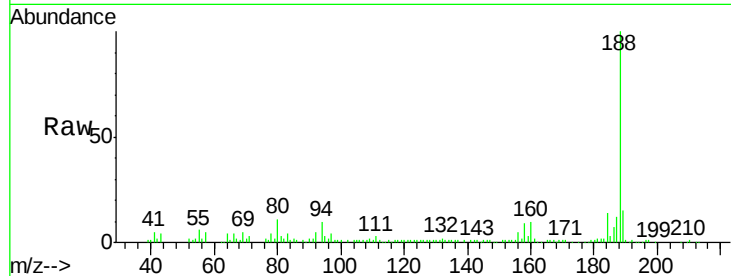
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 13.94 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BF078681.D
Acq: 21 Apr 2015 12:07

Instrument :
BNA_F
ClientSampleId :
LS-SB18A

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.8	9.0	13.4
80	11.1	9.5	14.3

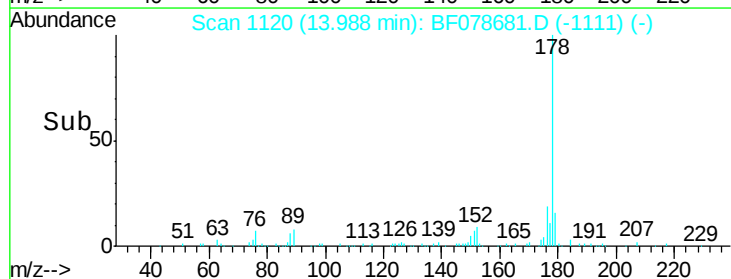
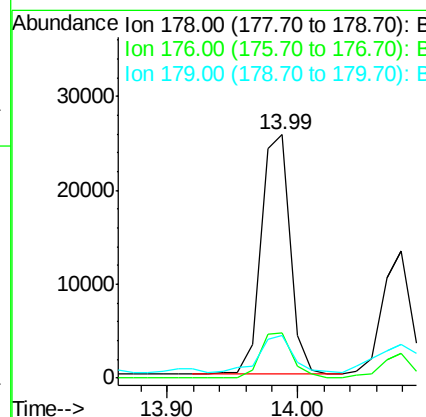
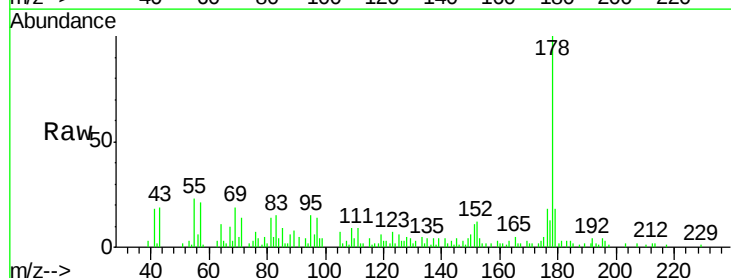
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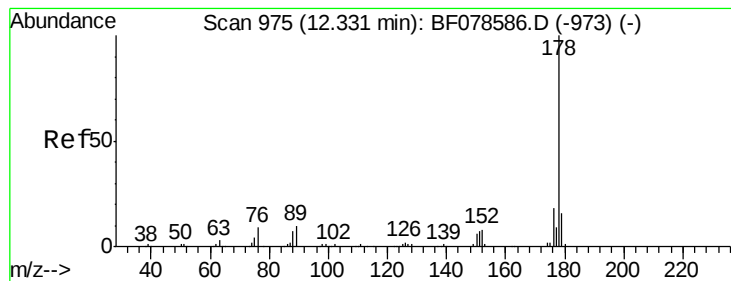
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#70
Phenanthrene
Concen: 4.77 ng
RT: 13.99 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BF078681.D
Acq: 21 Apr 2015 12:07

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.3	15.4	23.0
179	17.5	12.2	18.2





#71

Anthracene

Concen: 2.51 ng

RT: 14.08 min Scan# 1128

Delta R.T. 0.00 min

Lab File: BF078681.D

Acq: 21 Apr 2015 12:07

Instrument :

BNA_F

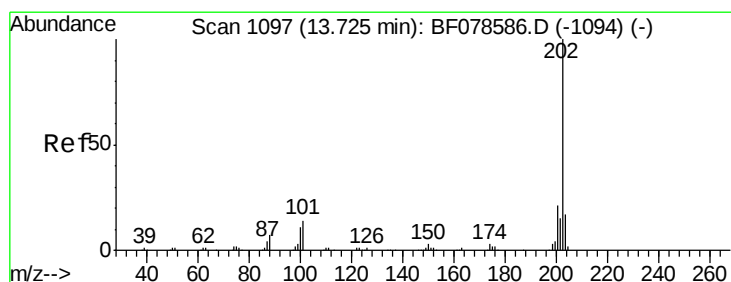
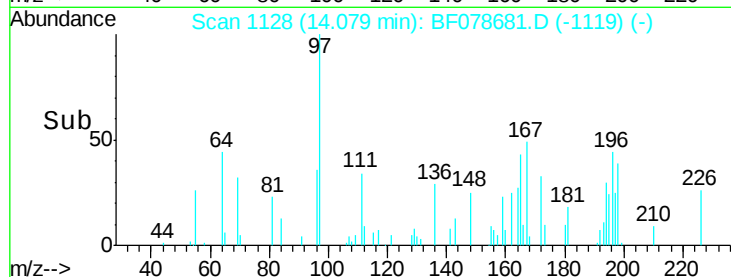
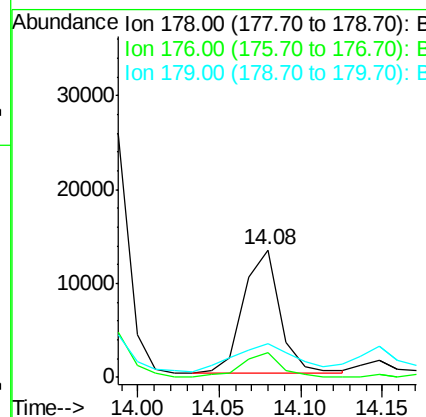
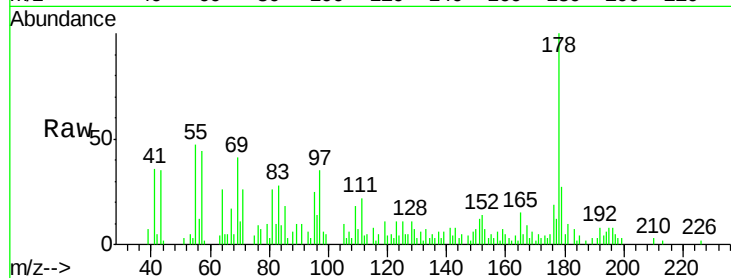
ClientSampleId :

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Tot Ion:	178	Resp:	20392
Ion Ratio	Lower	Upper	
178	100		
176	19.1	14.8	22.2
179	26.7	12.4	18.6#

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#74

Fluoranthene

Concen: 11.82 ng

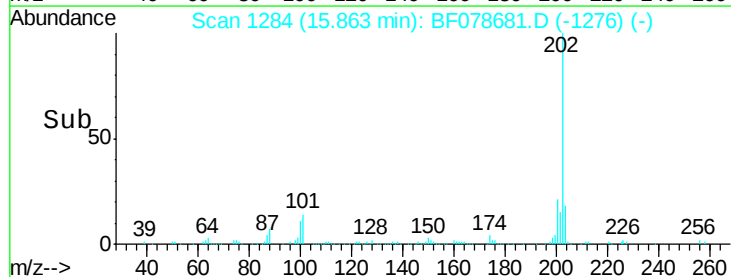
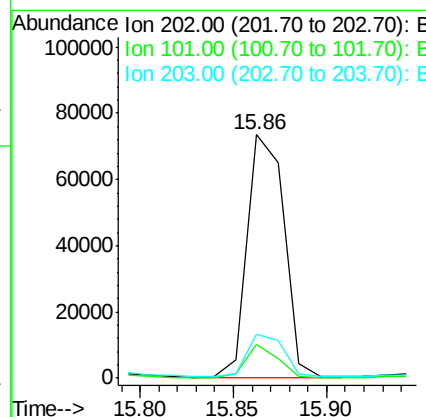
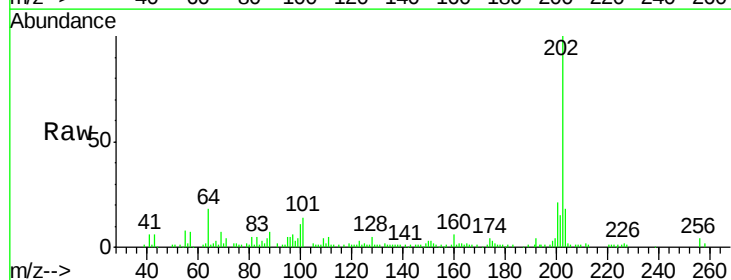
RT: 15.86 min Scan# 1284

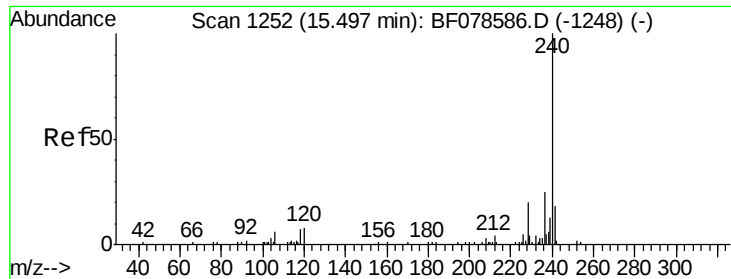
Delta R.T. -0.01 min

Lab File: BF078681.D

Acq: 21 Apr 2015 12:07

Tgt Ion:	202	Resp:	102874
Ion Ratio	Lower	Upper	
202	100		
101	13.7	0.0	35.2
203	18.2	0.0	38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 17.81 min Scan# 1454

Delta R.T. 0.00 min

Lab File: BF078681.D

Acq: 21 Apr 2015 12:07

Instrument :

BNA_F

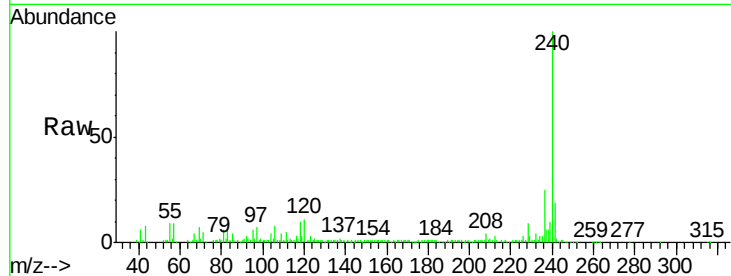
ClientSampleId :

LS-SB18A

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.4	7.1	10.7#
236	25.4	21.4	32.2

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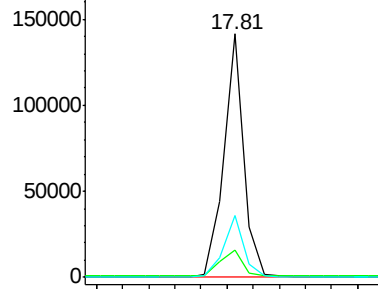
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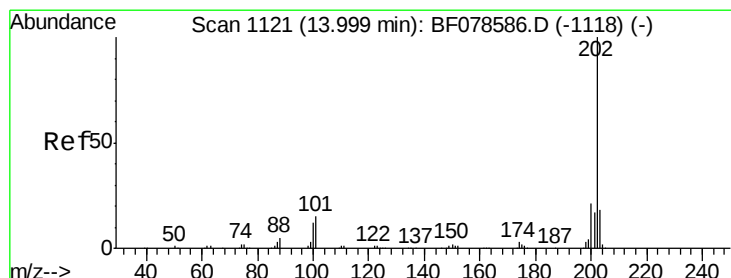
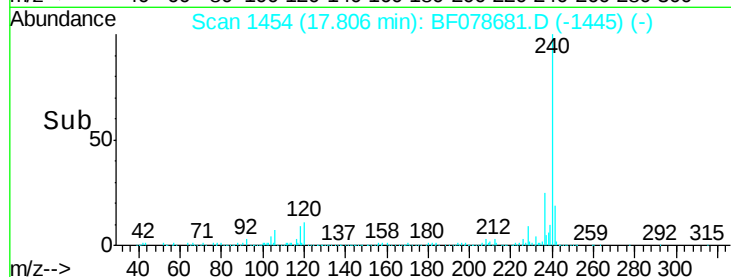
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 17.70 17.80 17.90



#77

Pyrene

Concen: 15.03 ng

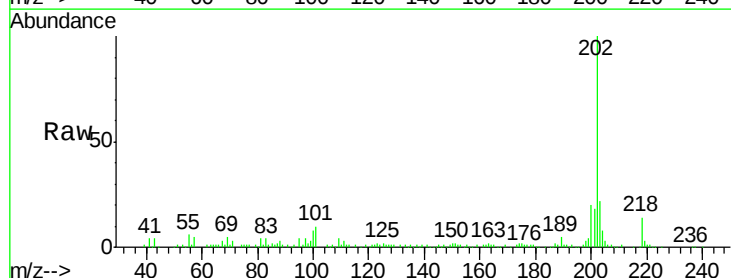
RT: 16.18 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BF078681.D

Acq: 21 Apr 2015 12:07

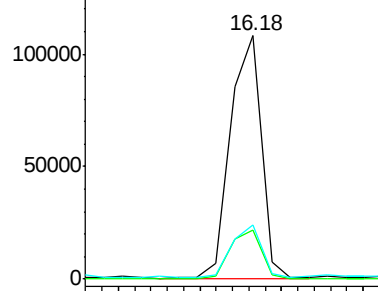
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.3	24.5
203	22.0	13.8	20.6#



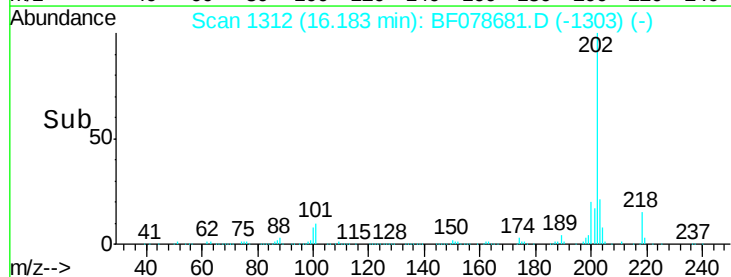
Abundance Ion 202.00 (201.70 to 202.70): E

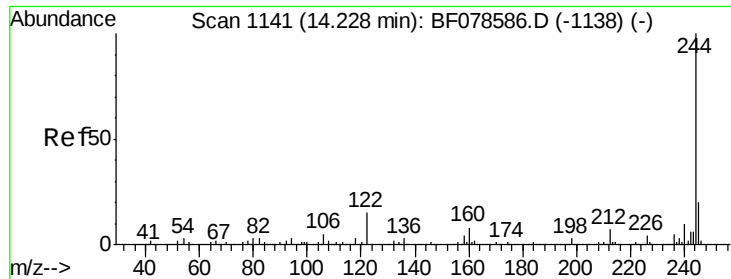
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 16.10 16.15 16.20





#78

Terphenyl-d14

Concen: 47.17 ng

RT: 16.47 min Scan# 1337

Delta R.T. 0.00 min

Lab File: BF078681.D

Acq: 21 Apr 2015 12:07

Instrument :

BNA_F

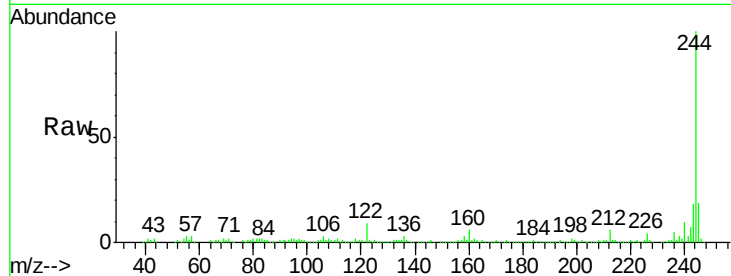
ClientSampleId :

LS-SB18A

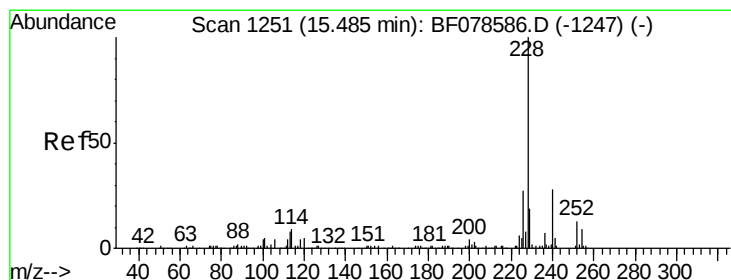
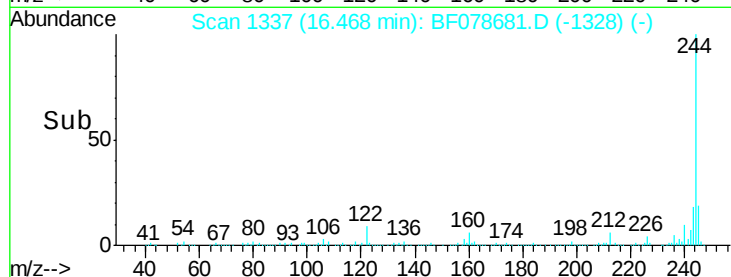
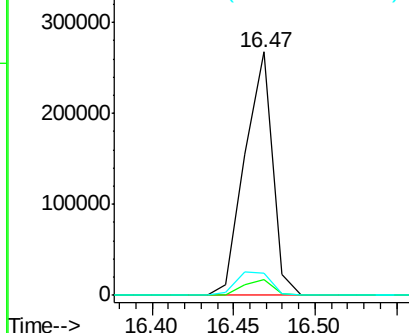
Tot Ion:	244	Resp:	315176
Ion Ratio		Lower	Upper
244	100		
212	6.4	5.0	7.4
122	9.1	7.1	10.7

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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: 6.70 ng

RT: 17.79 min Scan# 1453

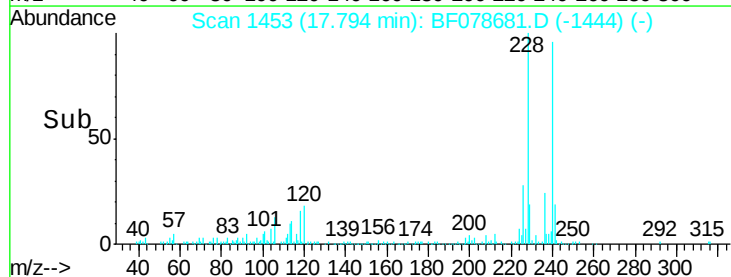
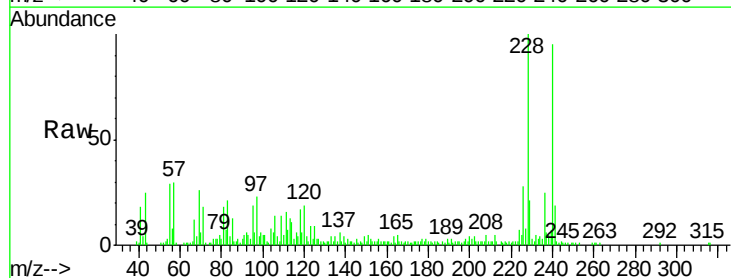
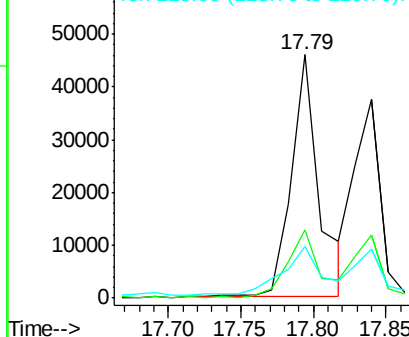
Delta R.T. 0.00 min

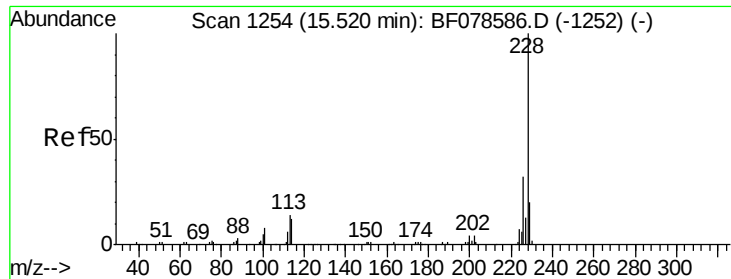
Lab File: BF078681.D

Acq: 21 Apr 2015 12:07

Tgt Ion:	228	Resp:	60152
Ion Ratio		Lower	Upper
228	100		
226	28.1	21.3	31.9
229	21.4	15.4	23.2

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.56 ng/mL

RT: 17.84 min Scan# 1457

Delta R.T. 0.00 min

Lab File: BF078681.D

Acq: 21 Apr 2015 12:07

Instrument :

BNA_F

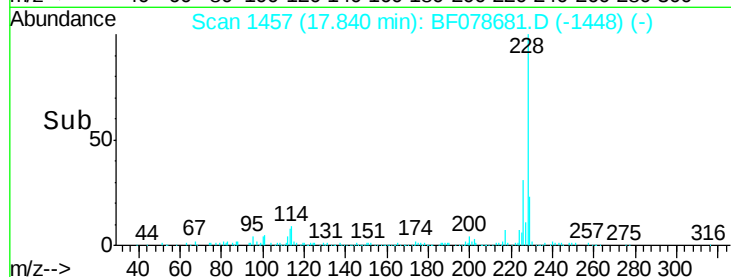
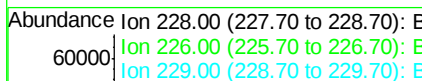
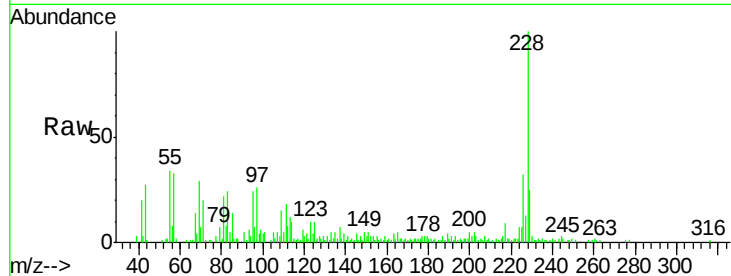
ClientSampleId :

LS-SB18A

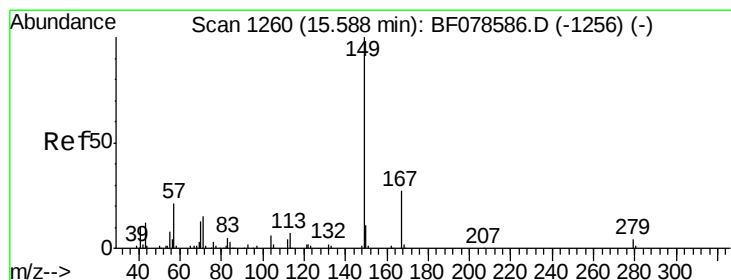
Tot Ion:	228	Resp:	46950
Ion Ratio		Lower	Upper
228	100		
226	31.7	24.2	36.4
229	24.5	15.8	23.8

Manual Integrations
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Time-->



#83

Bis(2-ethylhexyl)phthalate

Concen: 9.00 ng/mL

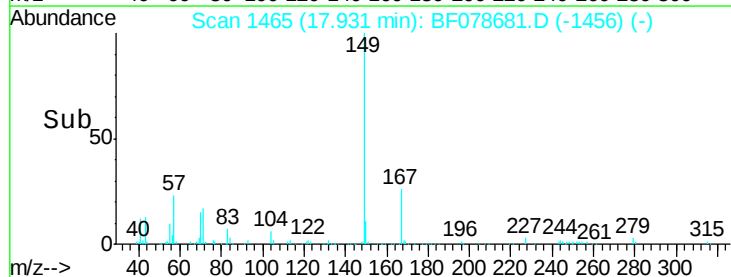
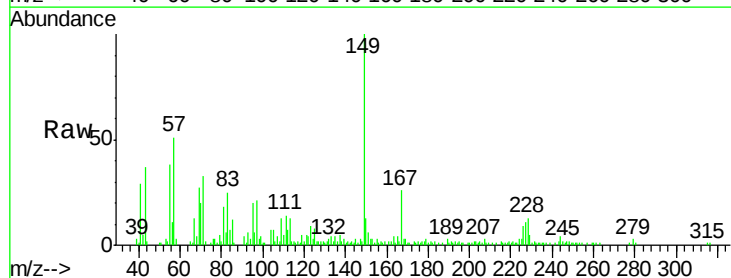
RT: 17.93 min Scan# 1465

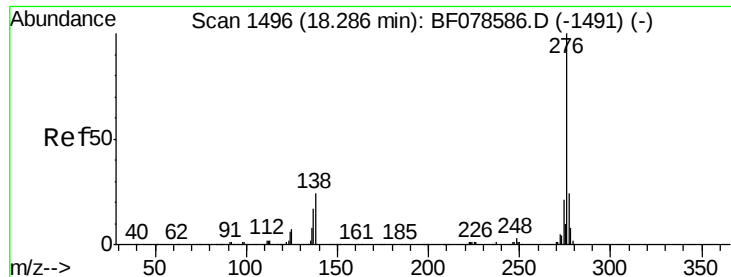
Delta R.T. 0.00 min

Lab File: BF078681.D

Acq: 21 Apr 2015 12:07

Tgt Ion:	149	Resp:	50986
Ion Ratio		Lower	Upper
149	100		
167	26.5	22.2	33.2
279	3.1	3.2	4.8





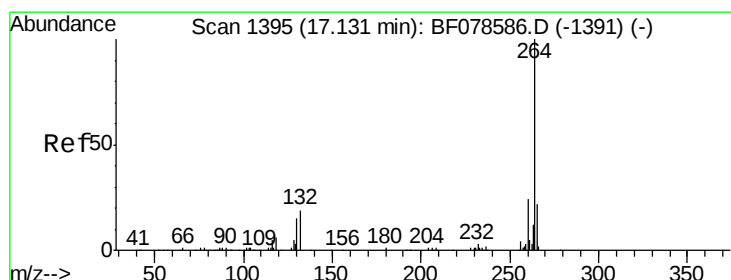
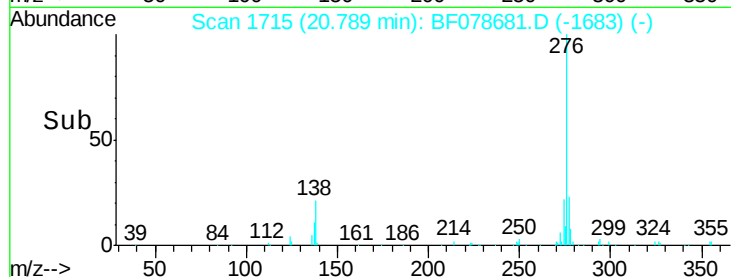
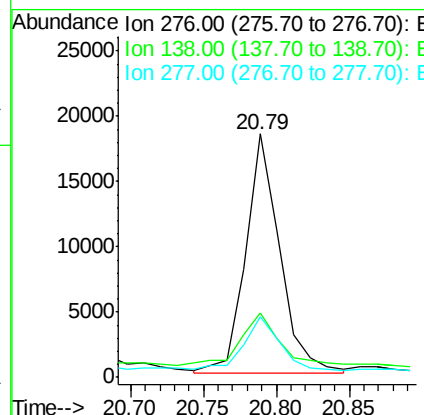
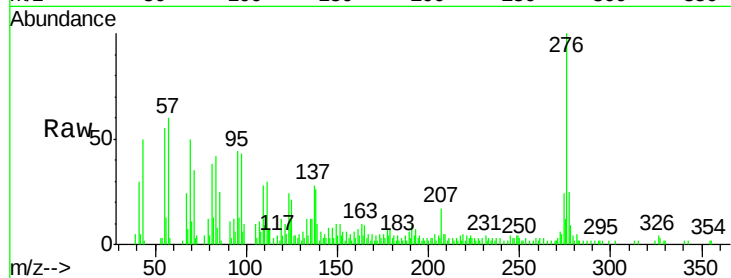
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.12 ng/ml
RT: 20.79 min Scan# 1715
Delta R.T. 0.07 min
Lab File: BF078681.D
Acq: 21 Apr 2015 12:07

Instrument :
BNA_F
ClientSampleId :
LS-SB18A

Tot Ion	Ratio	Lower	Upper
276	100		
138	7.6	16.9	25.3#
277	4.2	15.8	23.6#

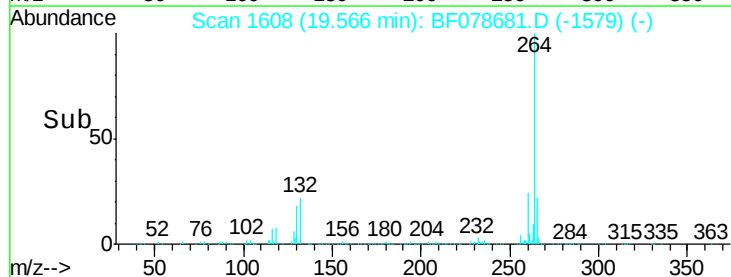
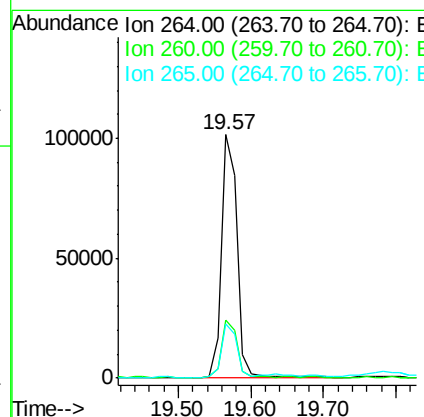
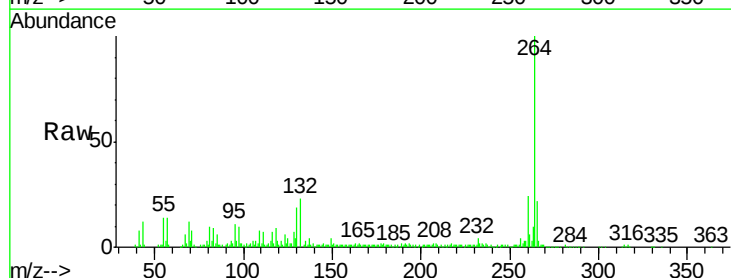
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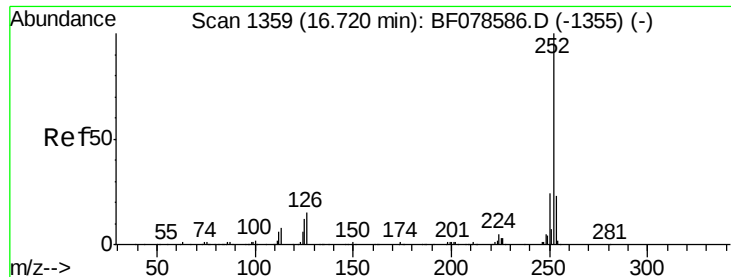
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#86
Perylene-d12
Concen: 20.00 ng
RT: 19.57 min Scan# 1608
Delta R.T. 0.03 min
Lab File: BF078681.D
Acq: 21 Apr 2015 12:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.6	27.8
265	22.1	17.0	25.6





#87

Benzo(b)fluoranthene

Concen: 7.24 ng m

RT: 19.12 min Scan# 1569

Delta R.T. 0.02 min

Lab File: BF078681.D

Acq: 21 Apr 2015 12:07

Instrument :

BNA_F

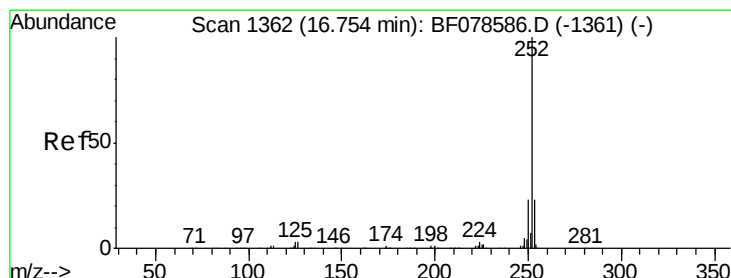
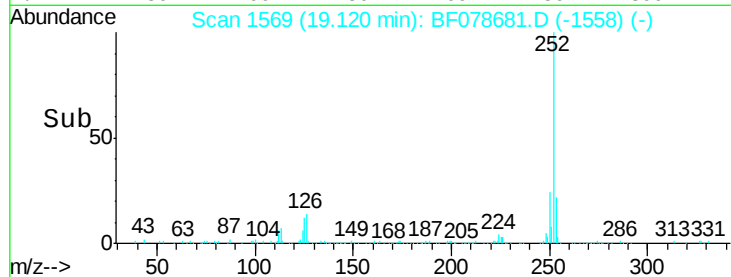
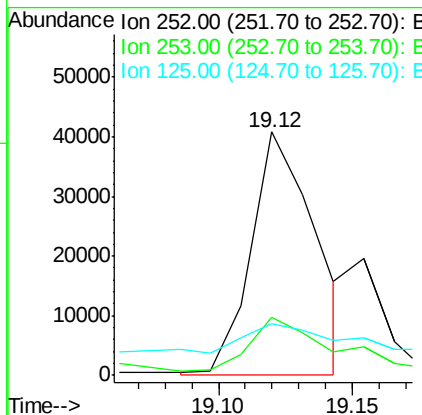
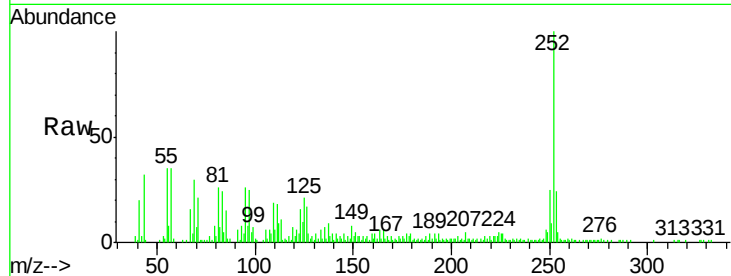
ClientSampled :

LS-SB18A

Tot Ion:	252	Resp:	68025
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.2	25.8
125	21.3	7.0	10.4#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 2.23 ng m

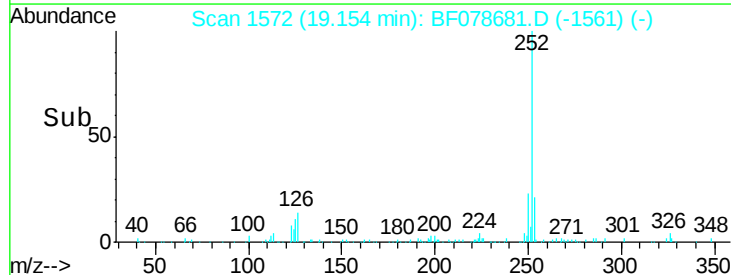
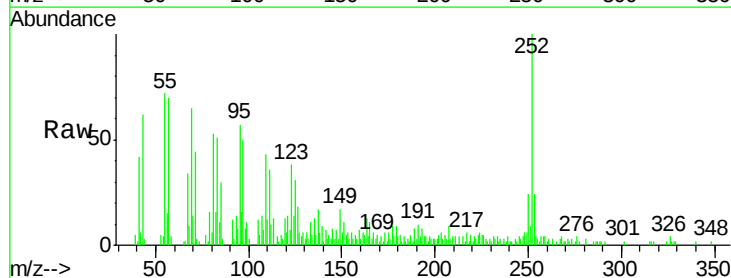
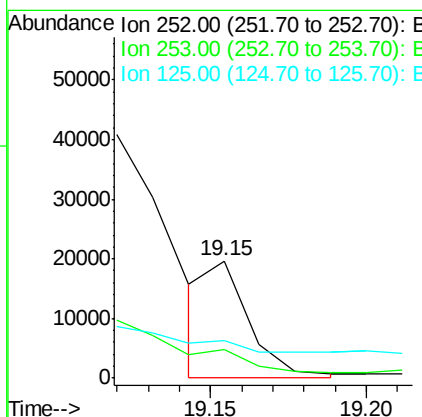
RT: 19.15 min Scan# 1572

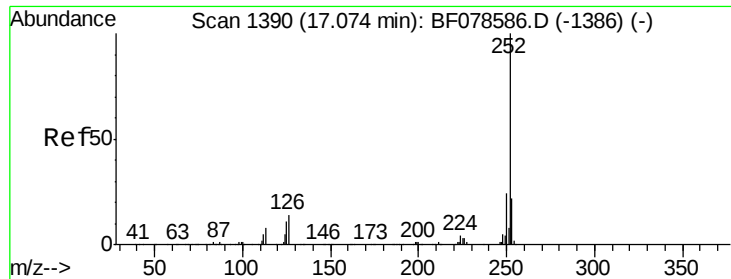
Delta R.T. 0.02 min

Lab File: BF078681.D

Acq: 21 Apr 2015 12:07

Tgt Ion:	252	Resp:	18633
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.5	26.3
125	31.4	11.6	17.4#





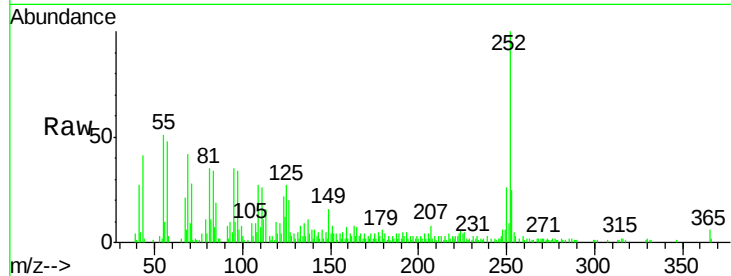
#89
Benzo(a)pyrene
Concen: 5.28 ng
RT: 19.50 min Scan# 1602
Delta R.T. 0.03 min
Lab File: BF078681.D
Acq: 21 Apr 2015 12:07

Instrument :
BNA_F
ClientSampleId :
LS-SB18A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	16.8	25.2
125	26.8	7.4	11.0

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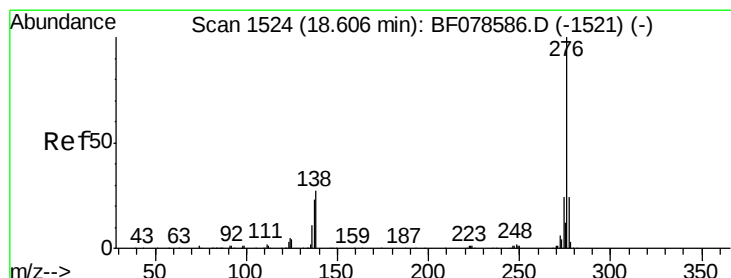
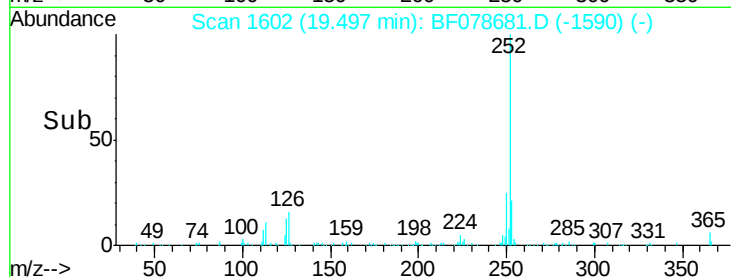
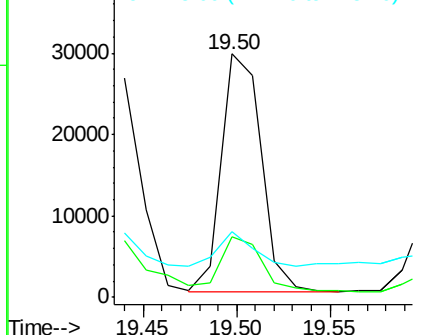


Abundance

Ion 252.00 (251.70 to 252.70): E

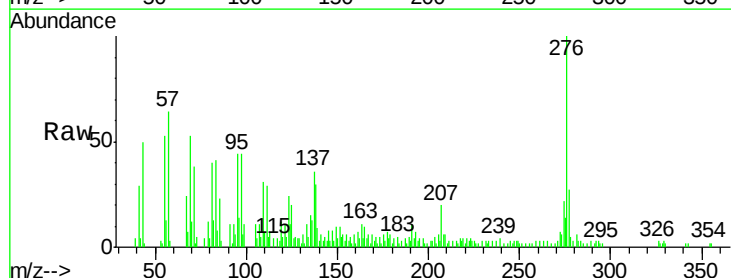
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.51 ng m
RT: 21.11 min Scan# 1743
Delta R.T. 0.07 min
Lab File: BF078681.D
Acq: 21 Apr 2015 12:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.4	19.0	28.4
138	30.0	19.9	29.9



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

