

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041515\
 Data File : BF078553.D
 Acq On : 15 Apr 2015 23:45
 Operator : TP/IZ
 Sample : G1855-03 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB09A(2-2.5)

Manual Integrations
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Quant Time: Apr 16 10:31:54 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 16 01:25:24 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	34438	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	138423	20.00	ng	0.00
38) Acenaphthene-d10	10.44	164	71310	20.00	ng	0.00
63) Phenanthrene-d10	12.27	188	134722	20.00	ng	0.00
75) Chrysene-d12	15.53	240	141259	20.00	ng	0.00
86) Perylene-d12	17.20	264	131149	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	4.95	112	31974	15.31	ng	0.01
7) Phenol-d6	6.32	99	42075	16.07	ng	0.01
23) Nitrobenzene-d5	7.42	82	25388	11.12	ng	0.00
41) 2,4,6-Tribromophenol	11.43	330	9772	16.52	ng	0.00
44) 2-Fluorobiphenyl	9.64	172	53535	10.73	ng	0.00
78) Terphenyl-d14	14.26	244	59358	9.50	ng	0.00
Target Compounds						
48) Acenaphthylene	10.27	152	29117	3.93	ng	Qvalue 100
70) Phenanthrene	12.30	178	46572	5.98	ng	99
71) Anthracene	12.37	178	33336	4.34	ng	99
74) Fluoranthene	13.76	202	109580	13.33	ng	94
77) Pyrene	14.03	202	101054	11.40	ng	97
80) Benzo(a)anthracene	15.52	228	56609	6.74	ng	91
82) Chrysene	15.55	228	57898m	7.33	ng	
85) Indeno(1,2,3-cd)pyrene	18.38	276	42876m	4.79	ng	
87) Benzo(b)fluoranthene	16.78	252	76176m	9.40	ng	
88) Benzo(k)fluoranthene	16.79	252	27588m	3.83	ng	
89) Benzo(a)pyrene	17.13	252	44784	6.33	ng	# 69
91) Benzo(g,h,i)perylene	18.71	276	45985	6.48	ng	# 92

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

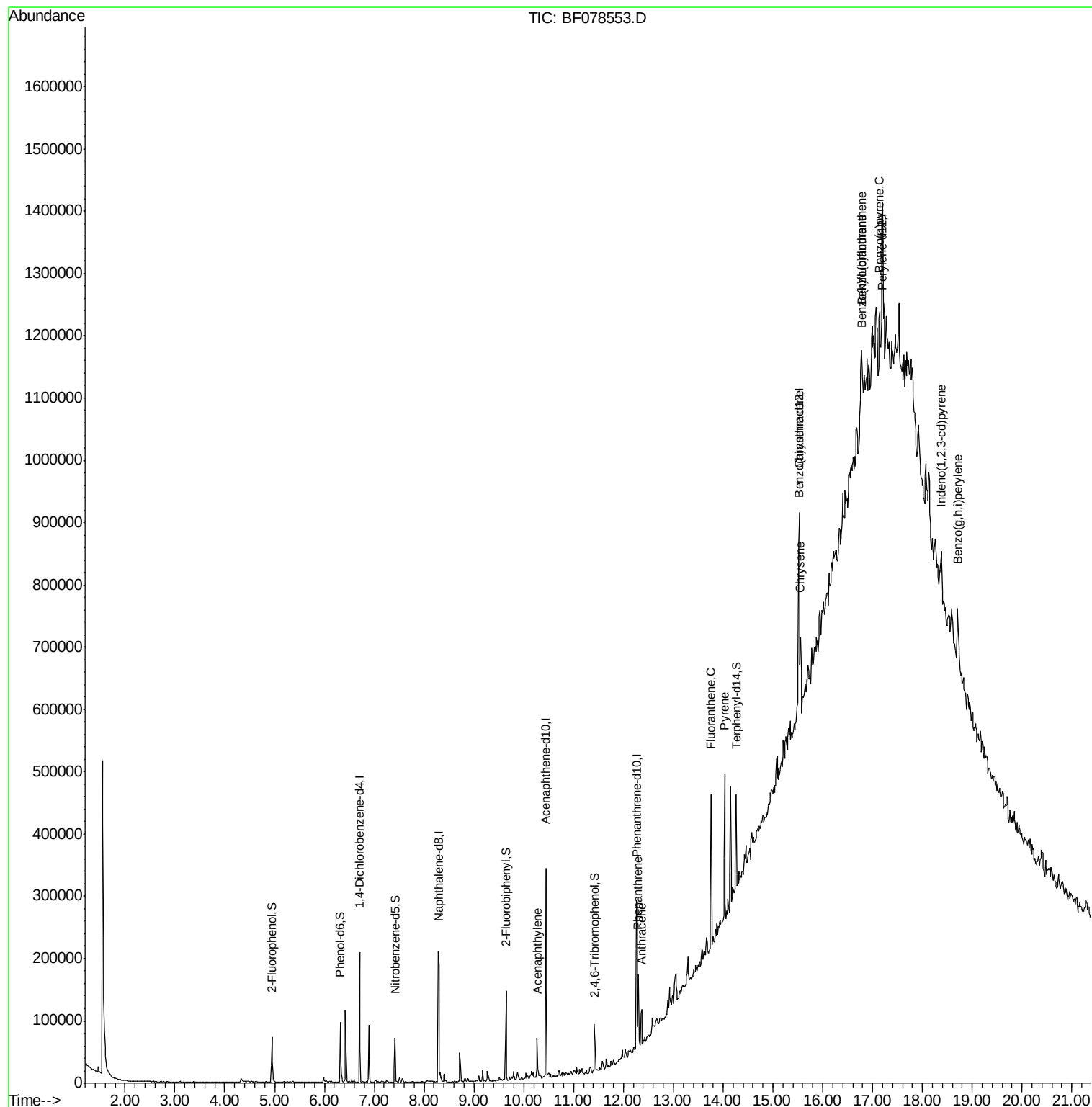
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041515\
Data File : BF078553.D
Acq On : 15 Apr 2015 23:45
Operator : TP/IZ
Sample : G1855-03 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

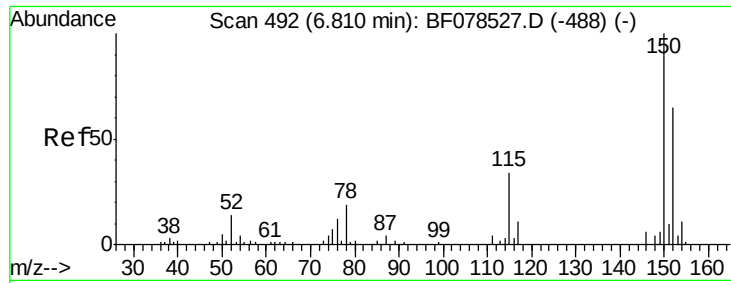
Instrument :
BNA_F
ClientSampleId :
LS-SB09A(2-2.5)

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Quant Time: Apr 16 10:31:54 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
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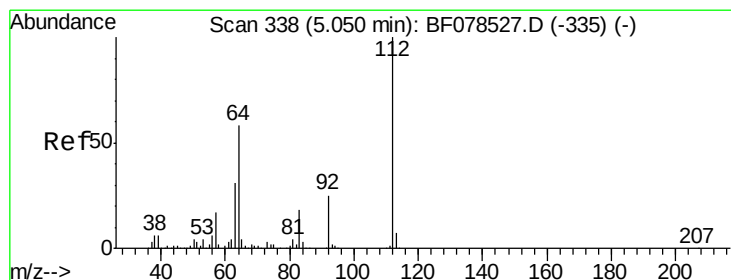
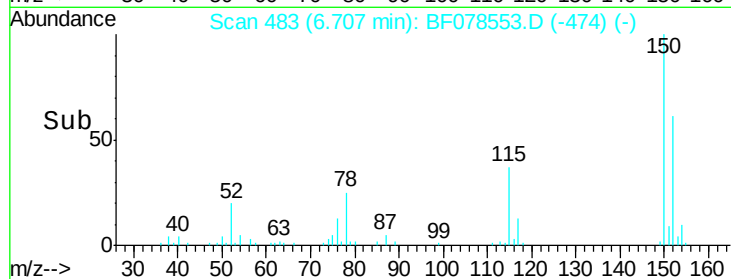
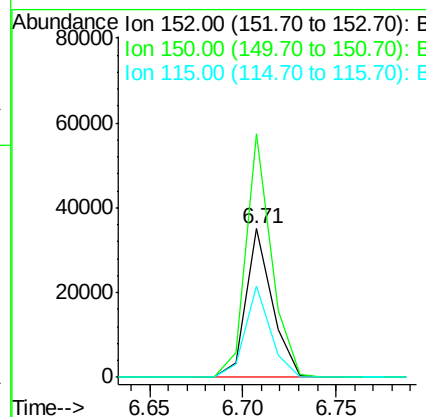
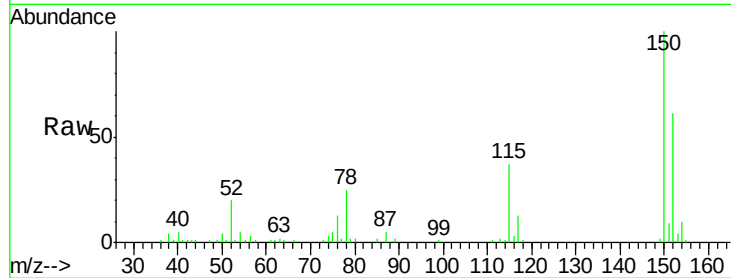
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.71 min Scan# 483
 Delta R.T. 0.00 min
 Lab File: BF078553.D
 Acq: 15 Apr 2015 23:45

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB09A(2-2.5)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	163.7	125.9	188.9
115	61.2	52.7	79.1

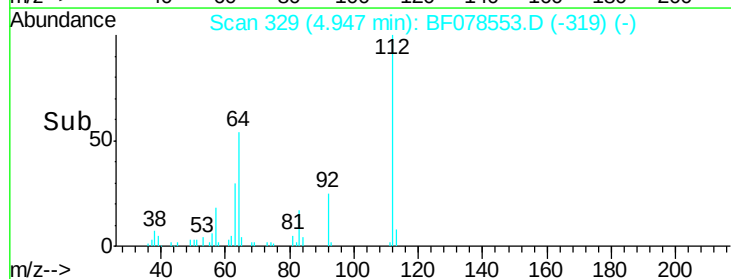
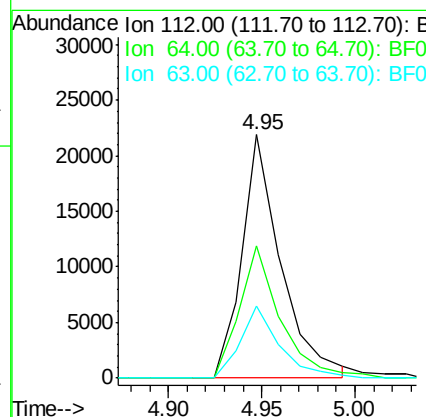
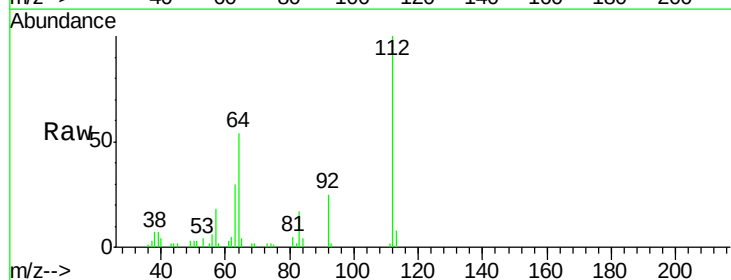
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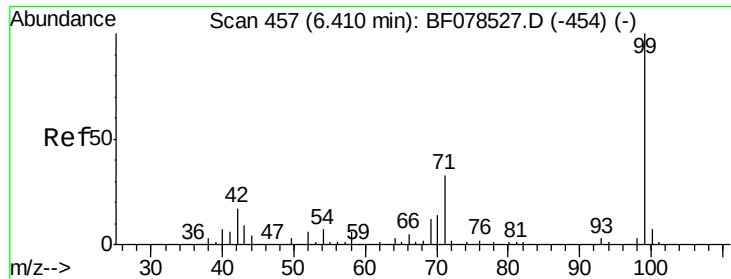
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#5
 2-Fluorophenol
 Concen: 15.31 ng
 RT: 4.95 min Scan# 329
 Delta R.T. 0.01 min
 Lab File: BF078553.D
 Acq: 15 Apr 2015 23:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	39.9	59.9
63	29.8	20.2	30.4





#7

Phenol-d6

Concen: 16.07 ng

RT: 6.32 min Scan# 449

Delta R.T. 0.01 min

Lab File: BF078553.D

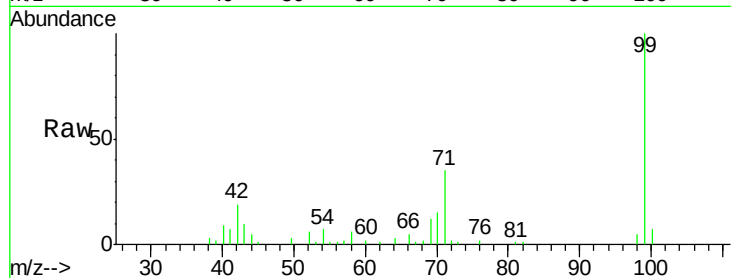
Acq: 15 Apr 2015 23:45

Instrument :

BNA_F

ClientSampleId :

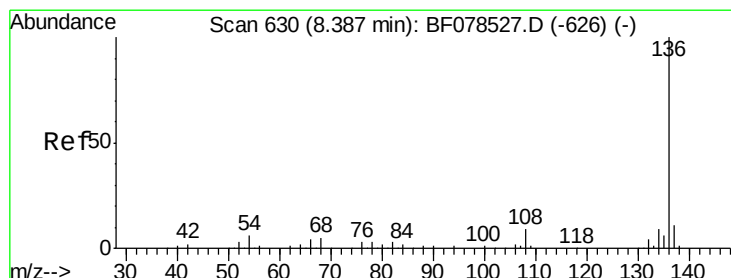
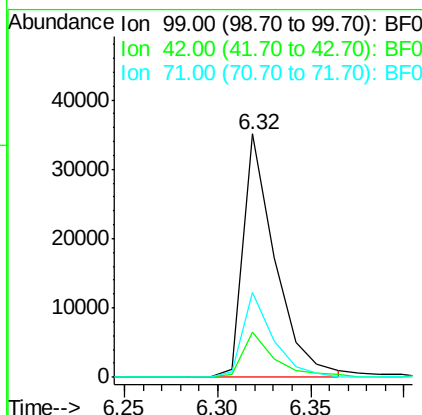
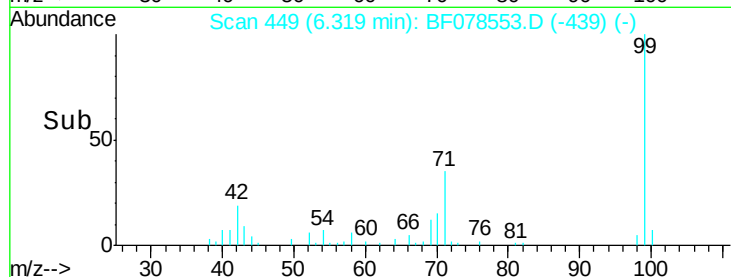
LS-SB09A(2-2.5)



Tgt Ion:	99	Resp:	42075
Ion Ratio	Lower	Upper	
99	100		
42	18.6	14.8	22.2
71	34.7	26.6	39.8

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#21

Naphthalene-d8

Concen: 20.00 ng

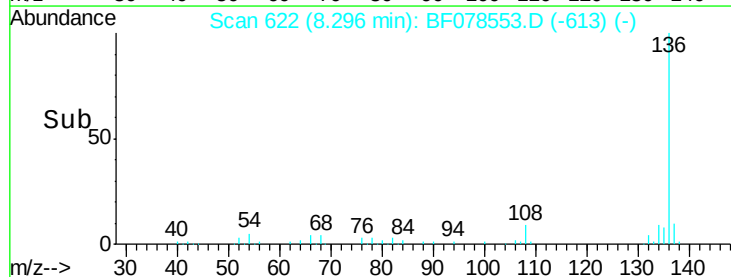
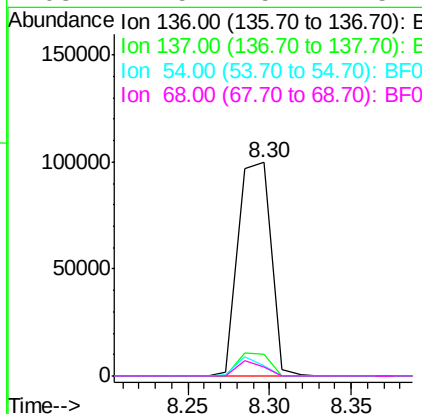
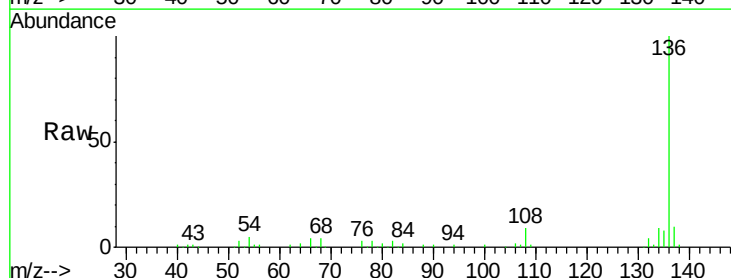
RT: 8.30 min Scan# 622

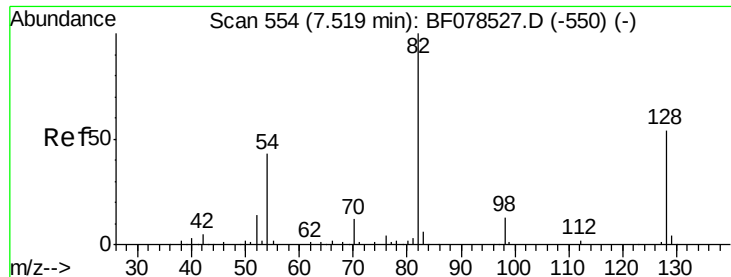
Delta R.T. 0.00 min

Lab File: BF078553.D

Acq: 15 Apr 2015 23:45

Tgt Ion:	136	Resp:	138423
Ion Ratio	Lower	Upper	
136	100		
137	10.0	9.0	13.4
54	5.0	7.0	10.6#
68	4.5	5.4	8.2#





#23

Nitrobenzene-d5

Concen: 11.12 ng

RT: 7.42 min Scan# 545

Delta R.T. 0.00 min

Lab File: BF078553.D

Acq: 15 Apr 2015 23:45

Instrument :

BNA_F

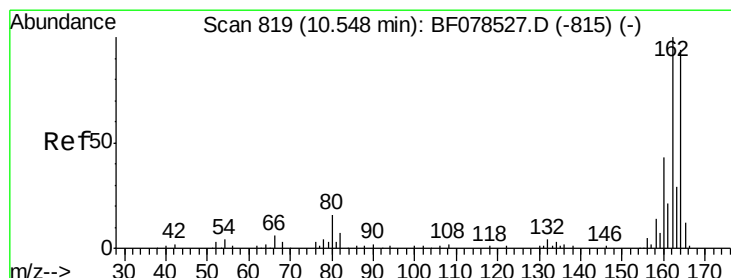
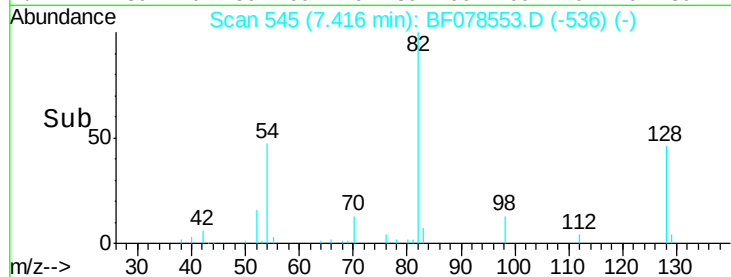
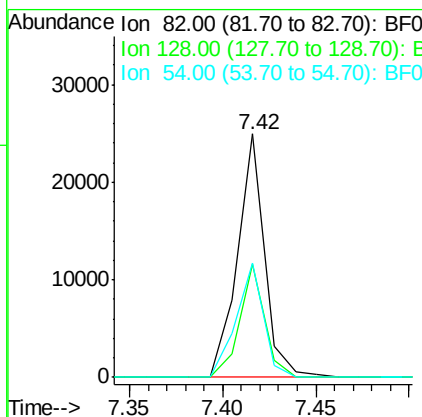
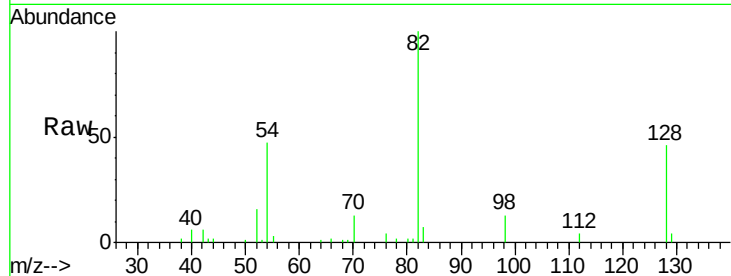
ClientSampleId :

LS-SB09A(2-2.5)

Tgt Ion:	82	Resp:	25388
Ion Ratio	Lower	Upper	
82	100		
128	46.3	31.8	47.8
54	46.7	41.5	62.3

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#38

Acenaphthene-d10

Concen: 20.00 ng

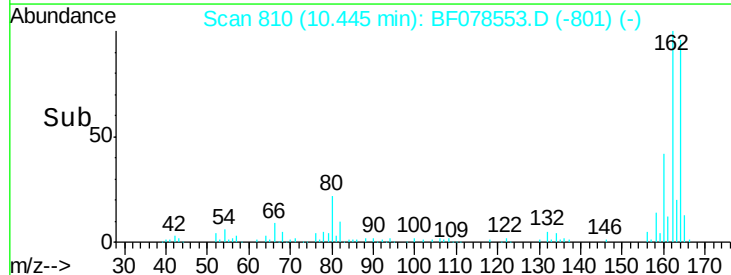
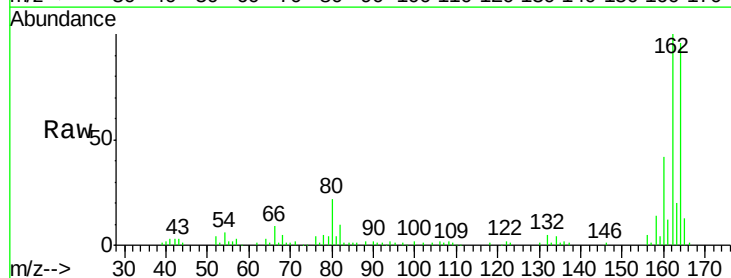
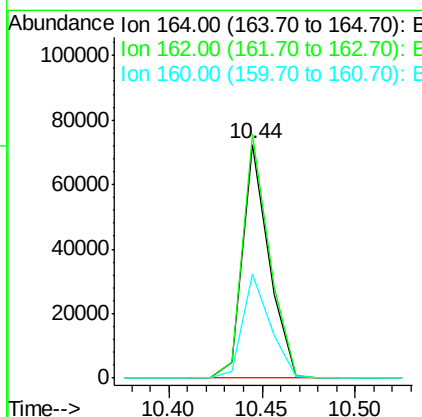
RT: 10.44 min Scan# 810

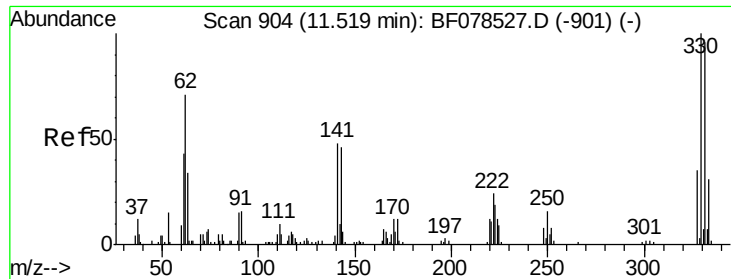
Delta R.T. 0.00 min

Lab File: BF078553.D

Acq: 15 Apr 2015 23:45

Tgt Ion:	164	Resp:	71310
Ion Ratio	Lower	Upper	
164	100		
162	104.2	82.2	123.2
160	44.3	34.7	52.1





#41

2,4,6-Tribromophenol

Concen: 16.52 ng

RT: 11.43 min Scan# 896

Delta R.T. 0.00 min

Lab File: BF078553.D

Acq: 15 Apr 2015 23:45

Instrument :

BNA_F

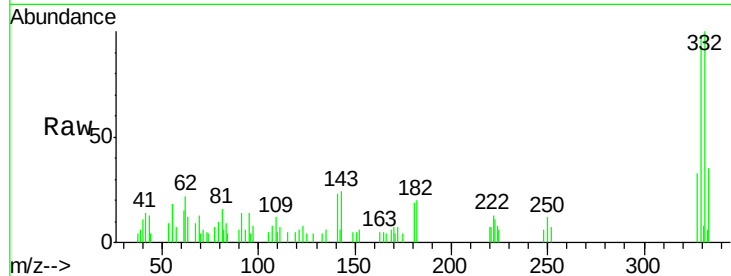
ClientSampleId :

LS-SB09A(2-2.5)

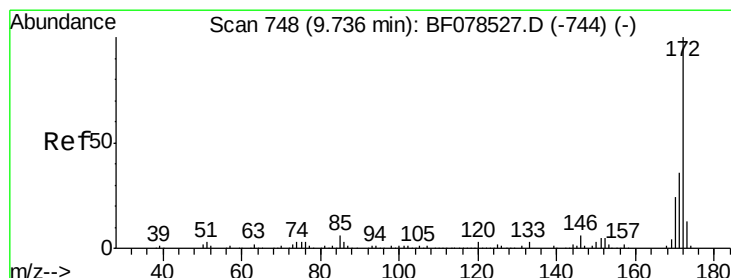
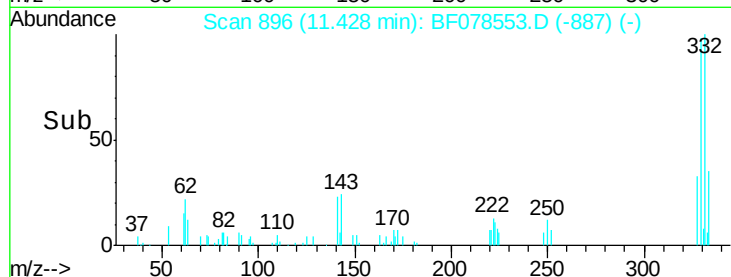
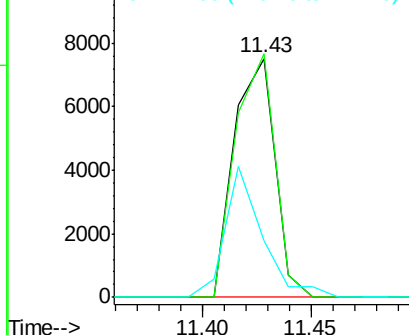
Tgt Ion:	330	Resp:	9772
Ion Ratio	Lower	Upper	
330	100		
332	99.7	78.6	117.8
141	50.3	31.2	46.8#

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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: 10.73 ng

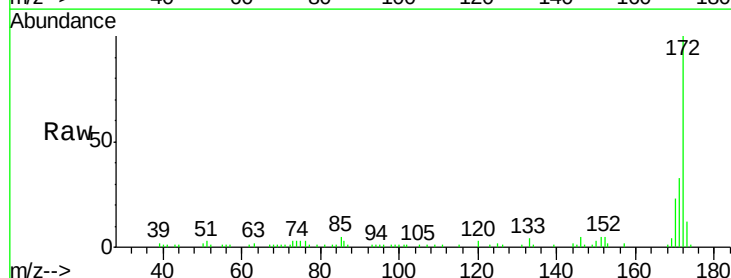
RT: 9.64 min Scan# 740

Delta R.T. 0.00 min

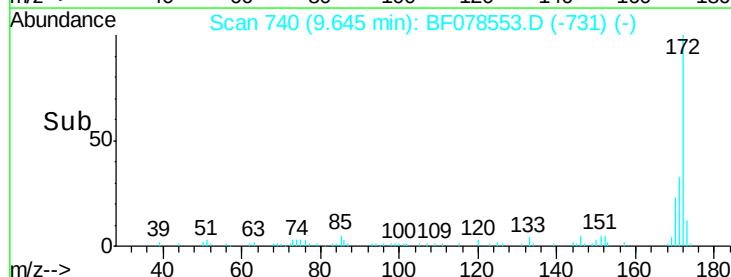
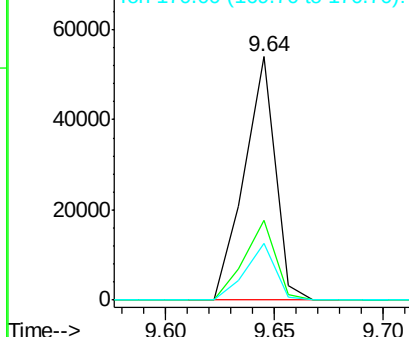
Lab File: BF078553.D

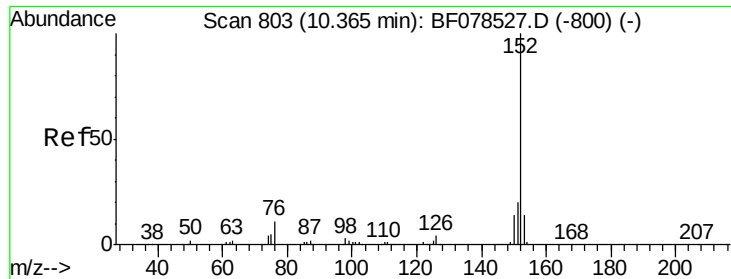
Acq: 15 Apr 2015 23:45

Tgt Ion:	172	Resp:	53535
Ion Ratio	Lower	Upper	
172	100		
171	32.9	28.6	42.8
170	23.2	18.5	27.7



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





#48

Acenaphthylene

Concen: 3.93 ng

RT: 10.27 min Scan# 795

Delta R.T. 0.00 min

Lab File: BF078553.D

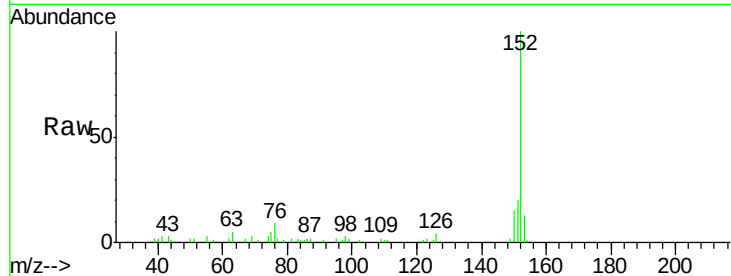
Acq: 15 Apr 2015 23:45

Instrument :

BNA_F

ClientSampleId :

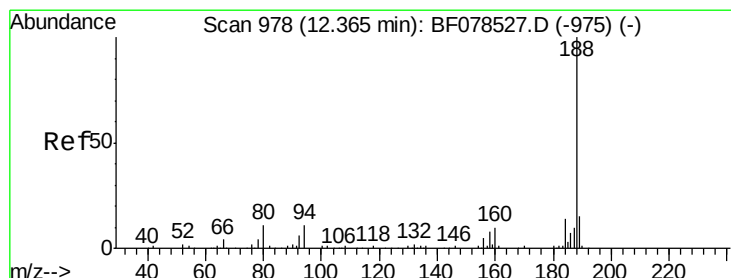
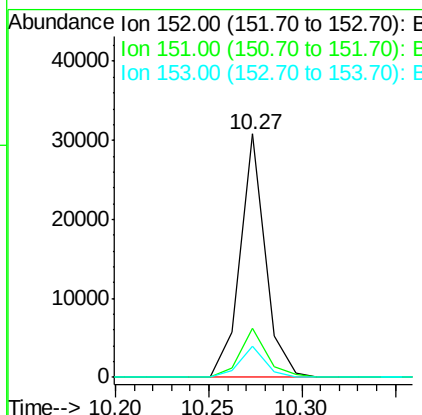
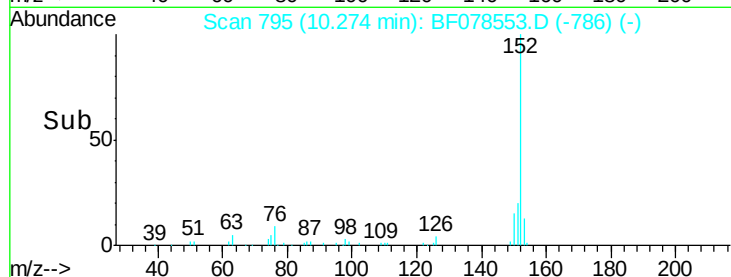
LS-SB09A(2-2.5)



Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.7	23.5
153	12.8	10.2	15.2

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#63

Phenanthrene-d10

Concen: 20.00 ng

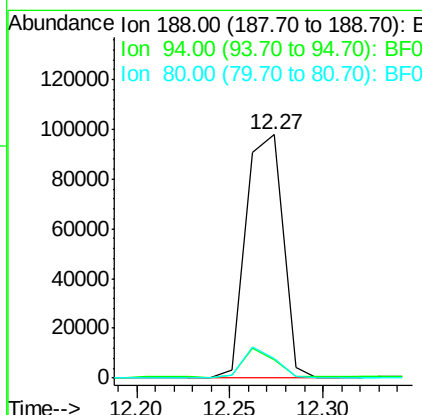
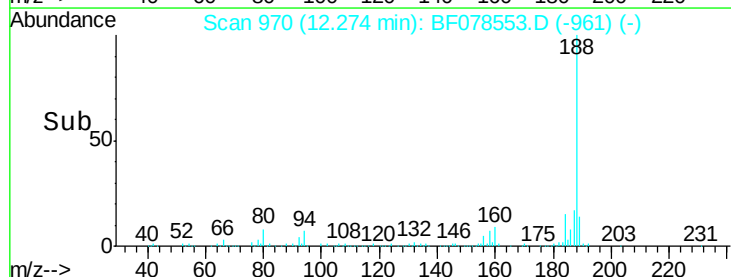
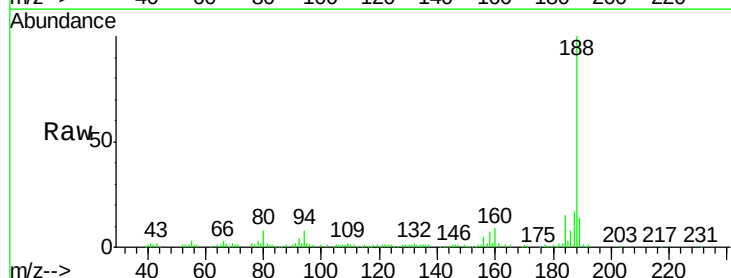
RT: 12.27 min Scan# 970

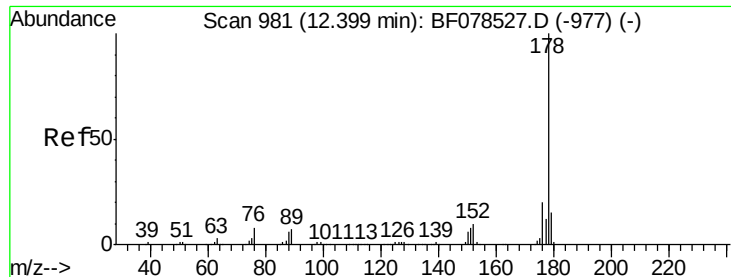
Delta R.T. 0.00 min

Lab File: BF078553.D

Acq: 15 Apr 2015 23:45

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.5	9.0	13.4#
80	8.1	9.5	14.3#





#70

Phenanthrene

Concen: 5.98 ng

RT: 12.30 min Scan# 972

Delta R.T. 0.00 min

Lab File: BF078553.D

Acq: 15 Apr 2015 23:45

Instrument :

BNA_F

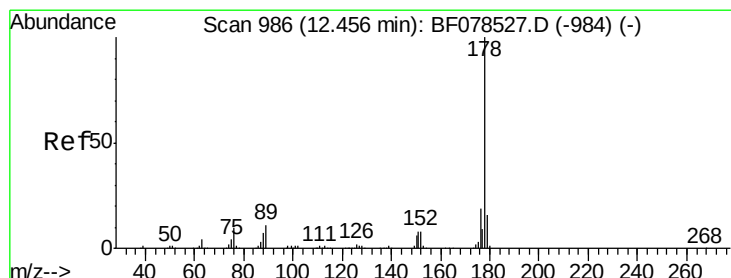
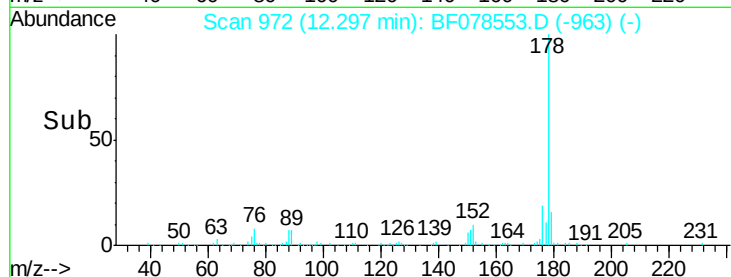
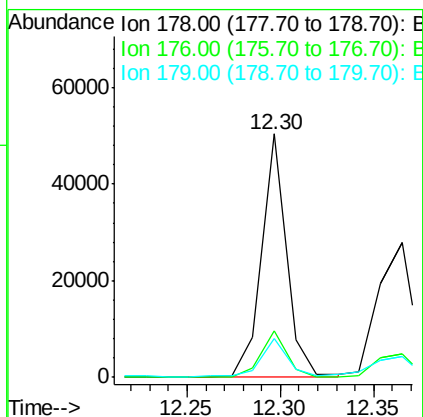
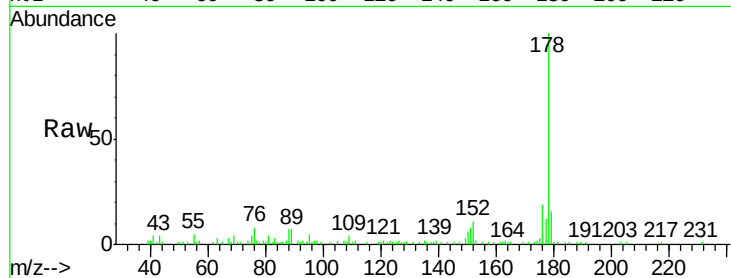
ClientSampleId :

LS-SB09A(2-2.5)

Tgt Ion:	178	Resp:	46572
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.4	23.0
179	16.1	12.2	18.2

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#71

Anthracene

Concen: 4.34 ng

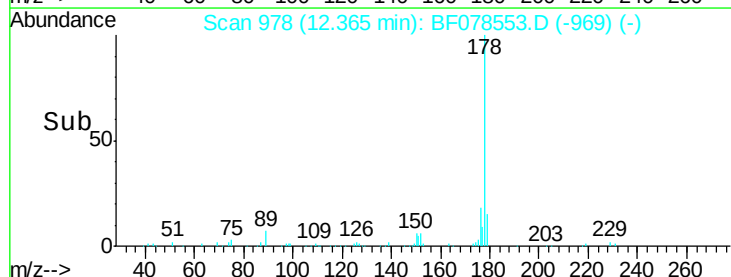
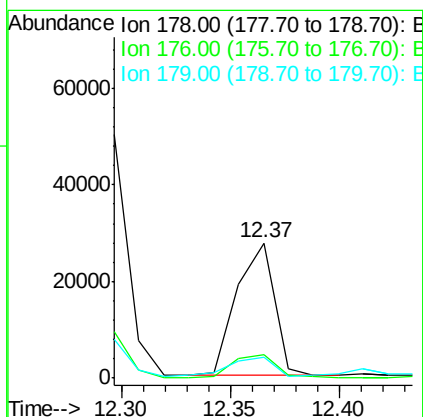
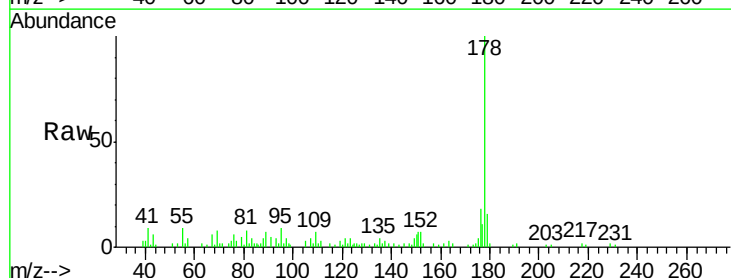
RT: 12.37 min Scan# 978

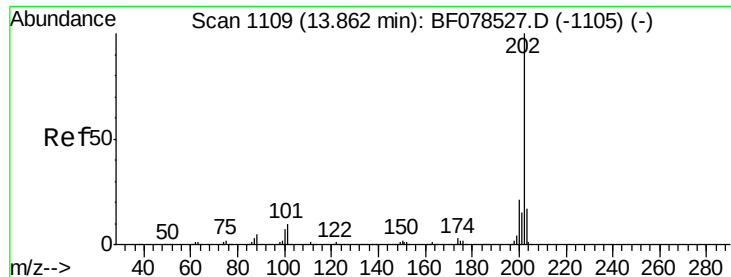
Delta R.T. 0.00 min

Lab File: BF078553.D

Acq: 15 Apr 2015 23:45

Tgt Ion:	178	Resp:	33336
Ion Ratio	Lower	Upper	
178	100		
176	17.7	14.8	22.2
179	15.8	12.4	18.6





#74

Fluoranthene

Concen: 13.33 ng

RT: 13.76 min Scan# 1100

Delta R.T. 0.00 min

Lab File: BF078553.D

Acq: 15 Apr 2015 23:45

Instrument :

BNA_F

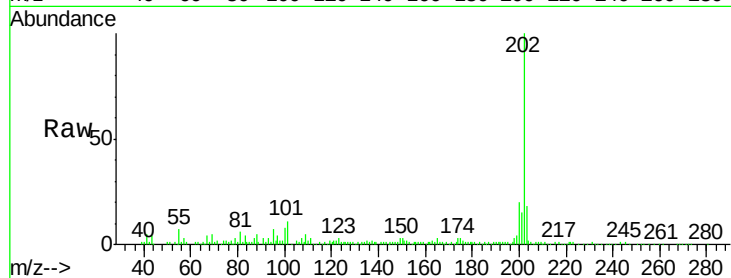
ClientSampleId :

LS-SB09A(2-2.5)

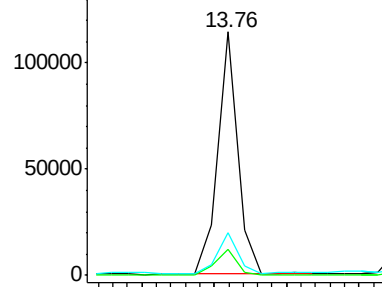
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	109580		
101	10.5	0.0	35.2	
203	17.7	0.0	38.5	

Manual Integrations
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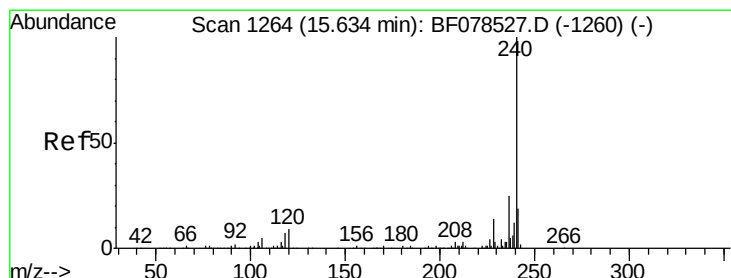
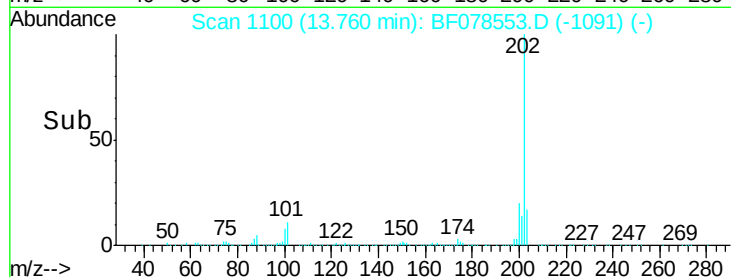
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

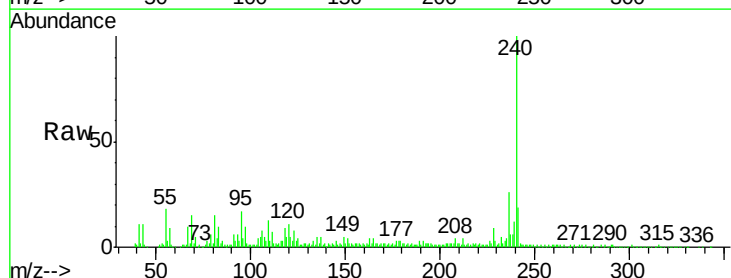
RT: 15.53 min Scan# 1255

Delta R.T. 0.00 min

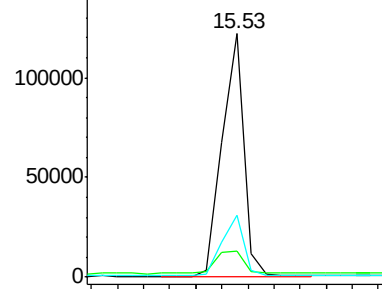
Lab File: BF078553.D

Acq: 15 Apr 2015 23:45

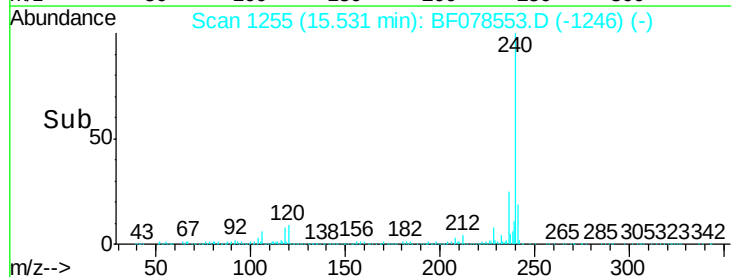
Tgt Ion	Ratio	Resp	Lower	Upper
240	100	141259		
120	10.5	7.1	10.7	
236	25.6	21.4	32.2	

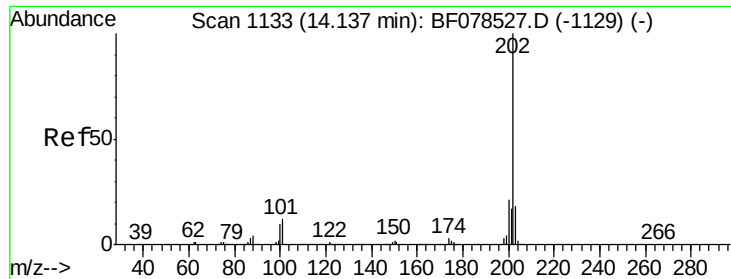


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Pyrene

Concen: 11.40 ng

RT: 14.03 min Scan# 1124

Delta R.T. 0.00 min

Lab File: BF078553.D

Acq: 15 Apr 2015 23:45

Instrument :

BNA_F

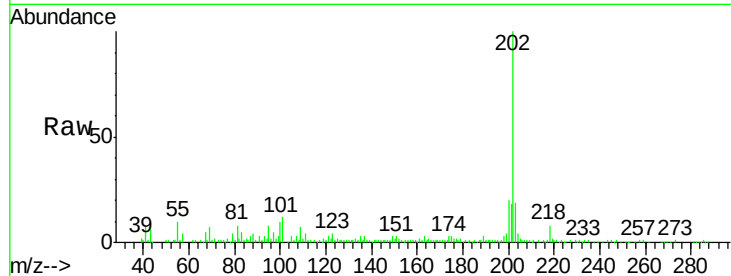
ClientSampleId :

LS-SB09A(2-2.5)

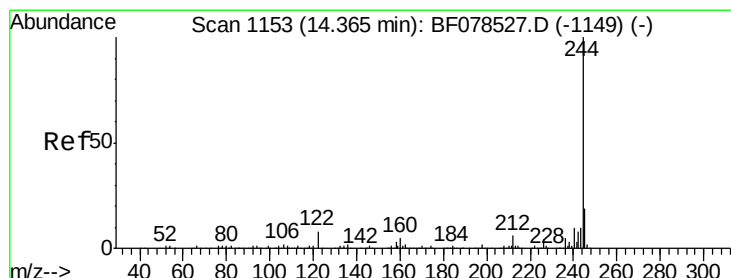
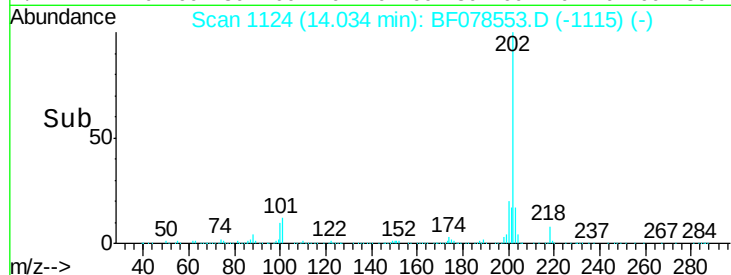
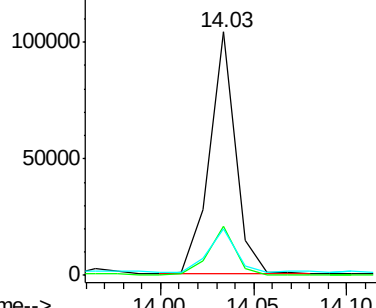
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	101054		
200	20.1	16.3	24.5	
203	19.2	13.8	20.6	

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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: 9.50 ng

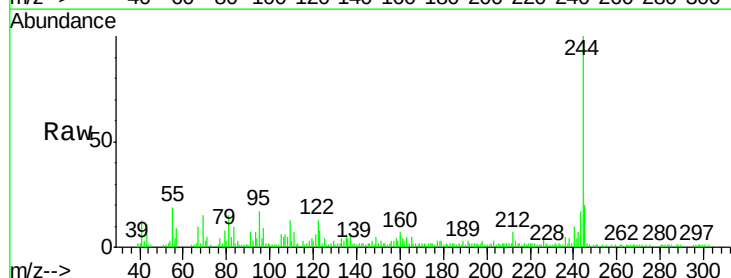
RT: 14.26 min Scan# 1144

Delta R.T. 0.00 min

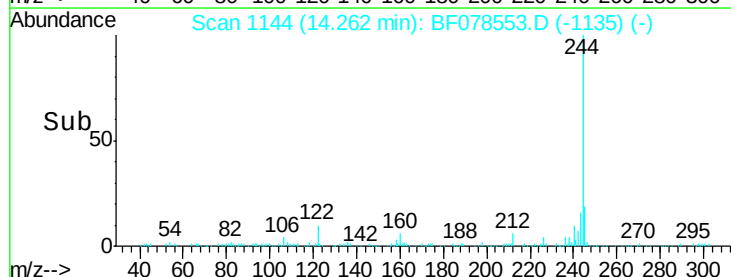
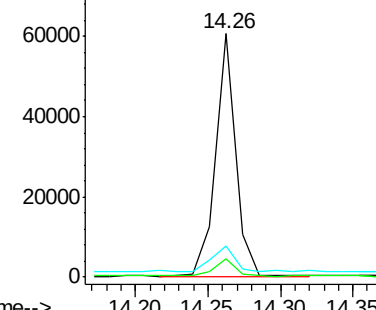
Lab File: BF078553.D

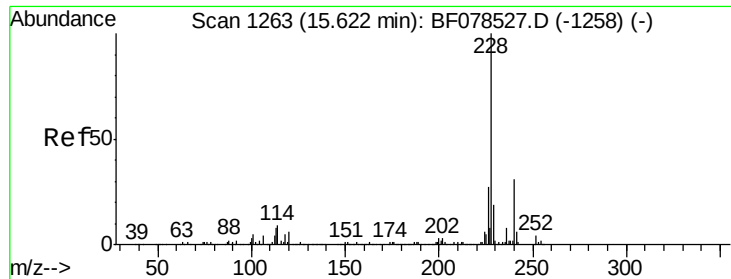
Acq: 15 Apr 2015 23:45

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	59358		
212	7.4	5.0	7.4	
122	12.6	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





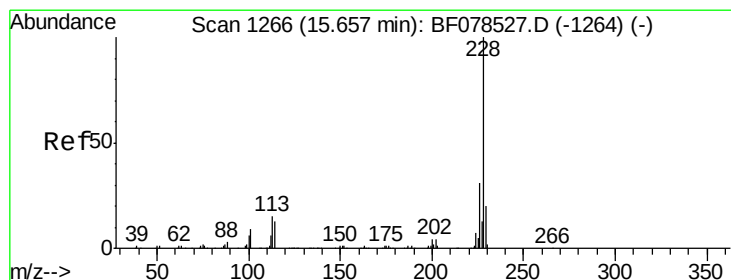
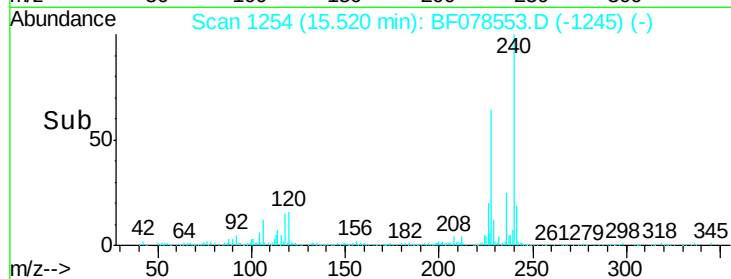
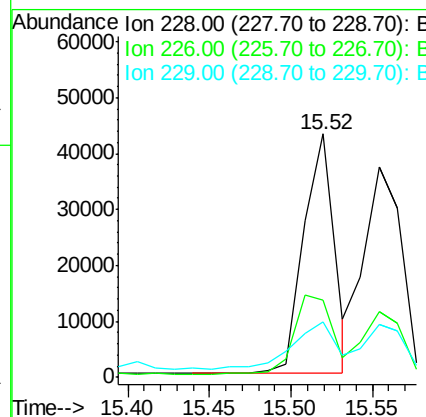
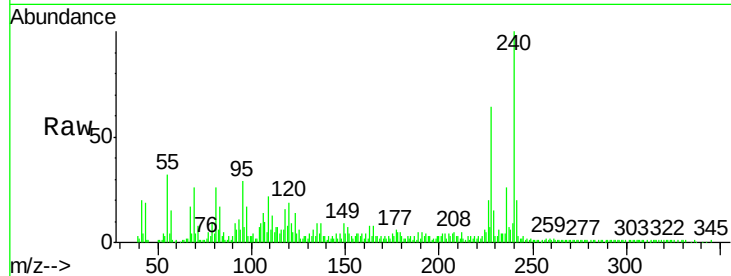
#80
Benzo(a)anthracene
Concen: 6.74 ng
RT: 15.52 min Scan# 1254
Delta R.T. 0.00 min
Lab File: BF078553.D
Acq: 15 Apr 2015 23:45

Instrument :
BNA_F
ClientSampleId :
LS-SB09A(2-2.5)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	21.3	31.9
229	22.7	15.4	23.2

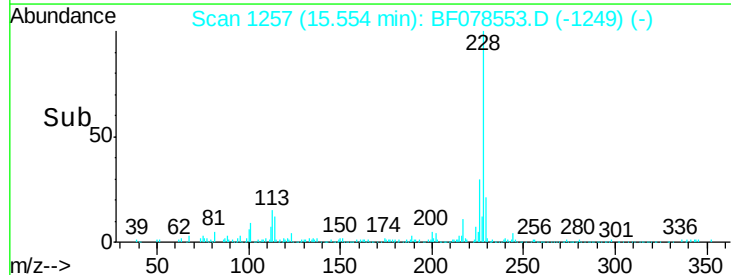
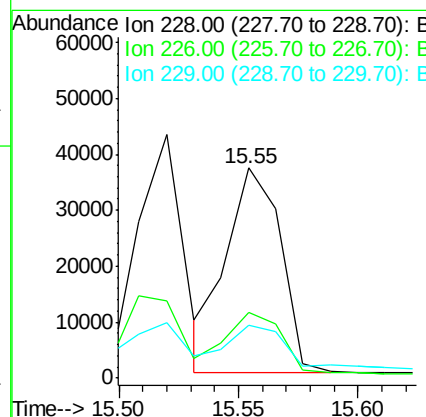
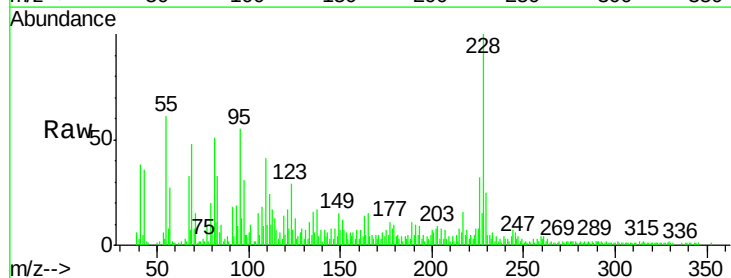
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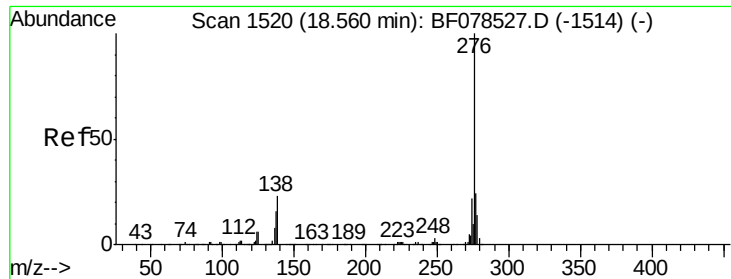
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#82
Chrysene
Concen: 7.33 ng m
RT: 15.55 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF078553.D
Acq: 15 Apr 2015 23:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.2	36.4
229	25.4	15.8	23.8#





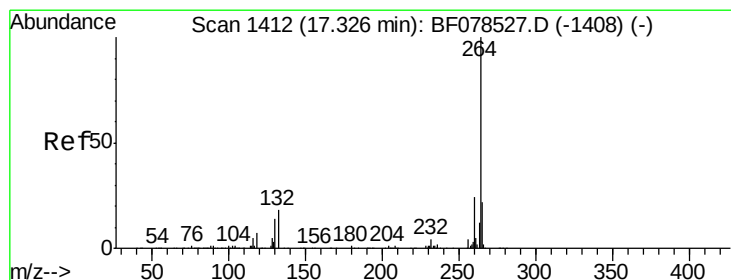
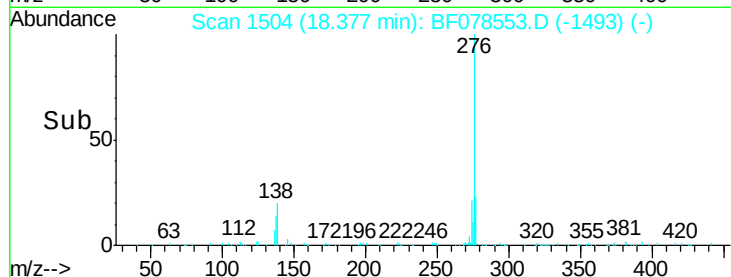
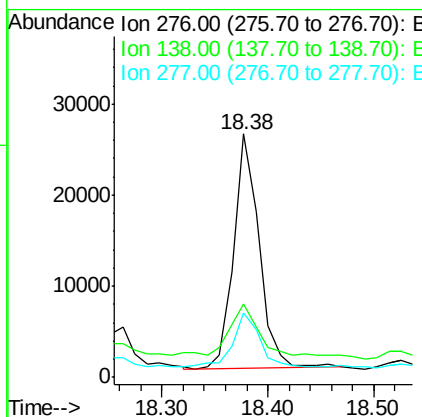
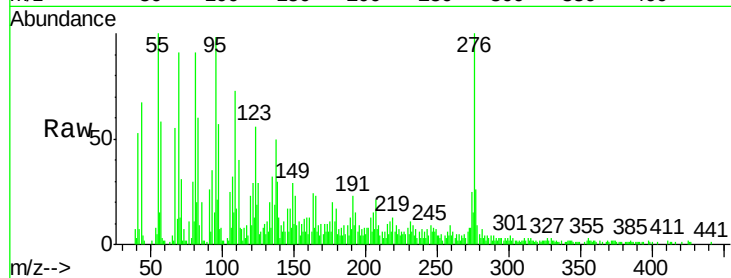
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.79 ng m
 RT: 18.38 min Scan# 1504
 Delta R.T. -0.17 min
 Lab File: BF078553.D
 Acq: 15 Apr 2015 23:45

Instrument :
 BNA_F
 ClientSampled :
 LS-SB09A(2-2.5)

Tgt Ion	Ratio	Lower	Upper
276	100		
138	7.0	16.9	25.3#
277	5.1	15.8	23.6#

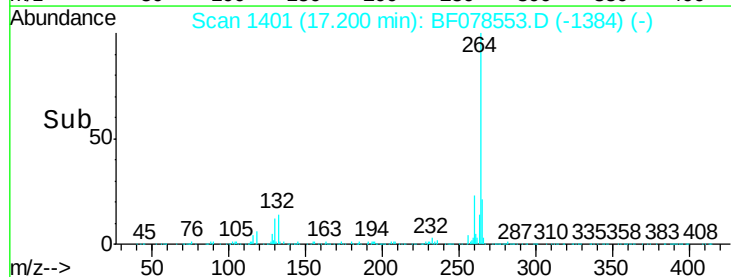
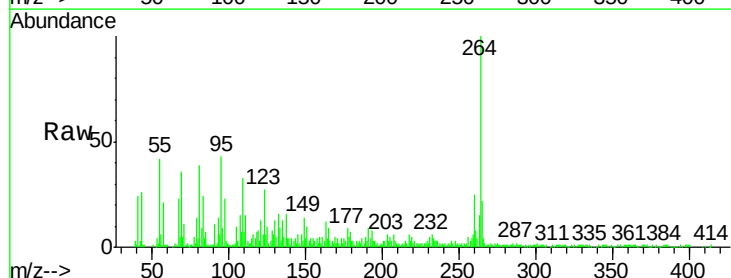
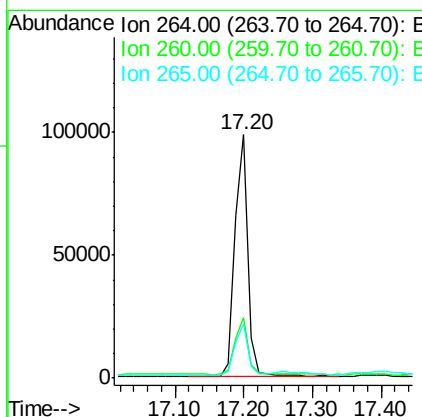
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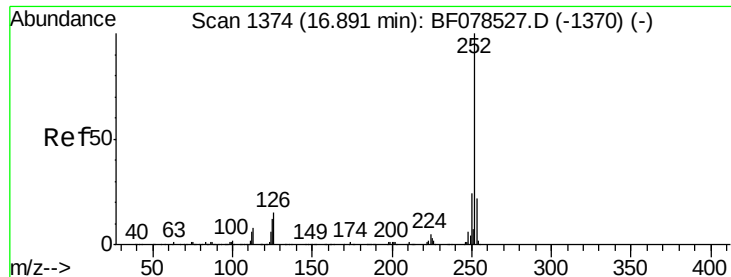
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.20 min Scan# 1401
 Delta R.T. -0.10 min
 Lab File: BF078553.D
 Acq: 15 Apr 2015 23:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	18.6	27.8
265	22.1	17.0	25.6





#87

Benzo(b)fluoranthene

Concen: 9.40 ng m

RT: 16.78 min Scan# 1364

Delta R.T. -0.07 min

Lab File: BF078553.D

Acq: 15 Apr 2015 23:45

Instrument :

BNA_F

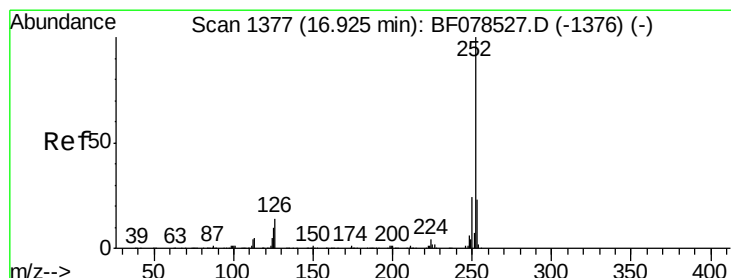
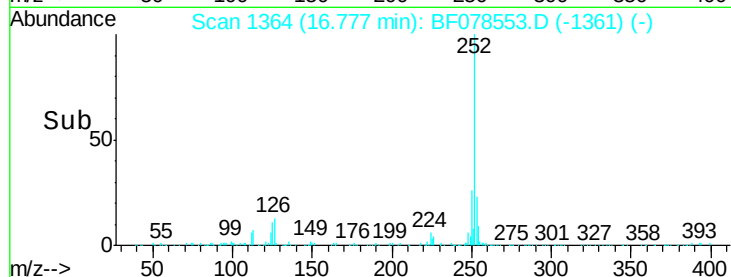
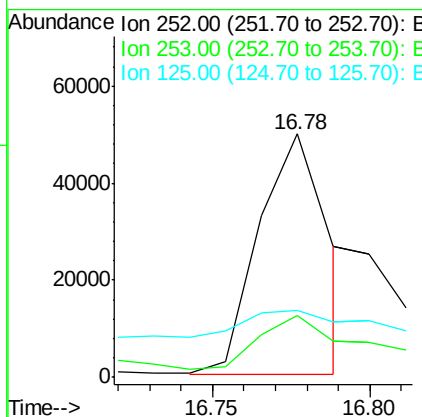
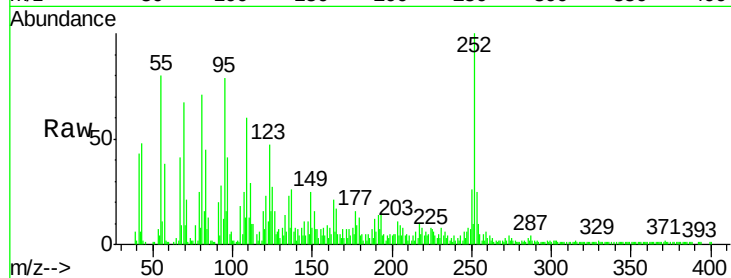
ClientSampleId :

LS-SB09A(2-2.5)

Tgt Ion:	252	Resp:	76176
Ion Ratio	Lower	Upper	
252	100		
253	25.4	17.2	25.8
125	27.4	7.0	10.4#

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#88

Benzo(k)fluoranthene

Concen: 3.83 ng m

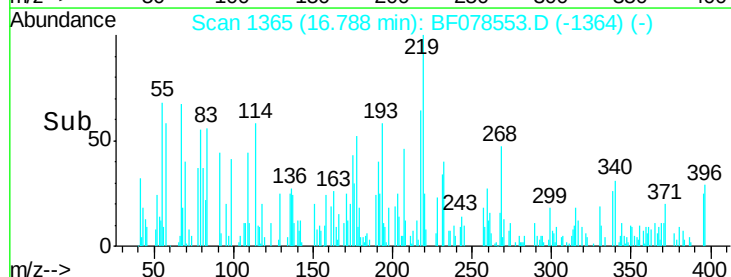
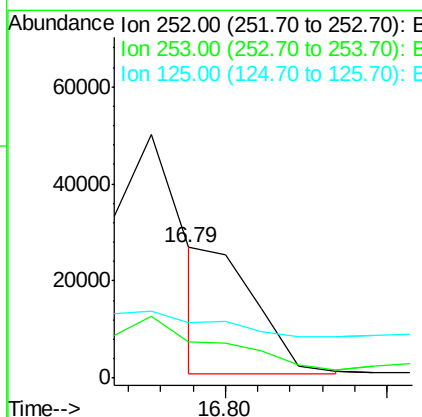
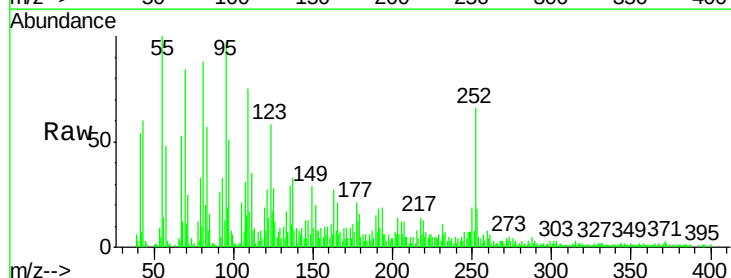
RT: 16.79 min Scan# 1365

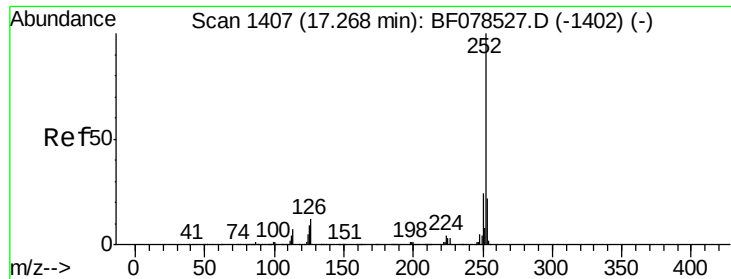
Delta R.T. -0.09 min

Lab File: BF078553.D

Acq: 15 Apr 2015 23:45

Tgt Ion:	252	Resp:	27588
Ion Ratio	Lower	Upper	
252	100		
253	27.5	17.5	26.3#
125	42.8	11.6	17.4#





#89

Benzo(a)pyrene

Concen: 6.33 ng

RT: 17.13 min Scan# 1395

Delta R.T. -0.10 min

Lab File: BF078553.D

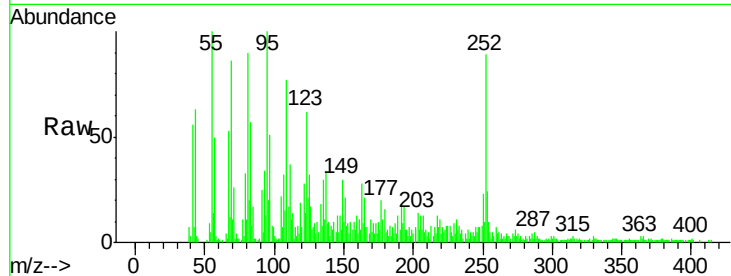
Acq: 15 Apr 2015 23:45

Instrument :

BNA_F

ClientSampleId :

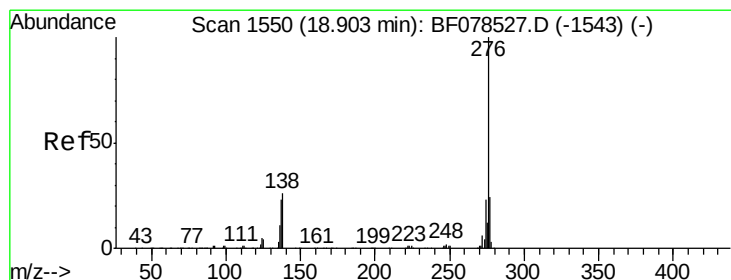
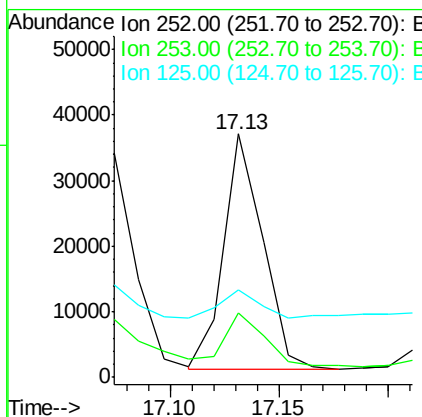
LS-SB09A(2-2.5)



Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	16.8	25.2#
125	36.0	7.4	11.0#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 6.48 ng

RT: 18.71 min Scan# 1533

Delta R.T. -0.17 min

Lab File: BF078553.D

Acq: 15 Apr 2015 23:45

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.0	28.4
138	31.4	19.9	29.9#

