

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\
 Data File : BF079386.D
 Acq On : 20 May 2015 19:00
 Operator : TP/IZ
 Sample : G2299-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB03A(2.5-3.0)

Manual Integrations
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 5/21/2015 4:27:57 PM

Quant Time: May 21 02:28:42 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 21 00:52:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.08	152	66433	20.00	ng	0.00
21) Naphthalene-d8	8.66	136	268857	20.00	ng	0.00
38) Acenaphthene-d10	10.83	164	135410	20.00	ng	0.00
63) Phenanthrene-d10	12.67	188	257293	20.00	ng	0.00
75) Chrysene-d12	15.97	240	276342	20.00	ng	-0.01
86) Perylene-d12	17.76	264	279446	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	246481m	63.87	ng	0.00
7) Phenol-d6	6.66	99	325903	63.89	ng	0.00
23) Nitrobenzene-d5	7.78	82	189583	40.53	ng	0.00
41) 2,4,6-Tribromophenol	11.82	330	90776	61.97	ng	0.00
44) 2-Fluorobiphenyl	10.01	172	344748	35.47	ng	0.00
78) Terphenyl-d14	14.67	244	400418	34.69	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.70	128	31233m	2.44	ng	
37) 2-Methylnaphthalene	9.55	142	21439	2.41	ng	# 94
49) Dimethylphthalate	10.52	163	30684	3.09	ng	# 96
70) Phenanthrene	12.70	178	46717	3.25	ng	97
71) Anthracene	12.76	178	41026m	2.91	ng	
74) Fluoranthene	14.17	202	103110	6.87	ng	98
77) Pyrene	14.46	202	102906	6.46	ng	98
80) Benzo(a)anthracene	15.95	228	66655	4.40	ng	# 90
82) Chrysene	16.00	228	63363m	4.35	ng	
85) Indeno(1,2,3-cd)pyrene	19.13	276	49409	2.66	ng	97
87) Benzo(b)fluoranthene	17.29	252	99454m	6.50	ng	
88) Benzo(k)fluoranthene	17.33	252	34355m	2.32	ng	
89) Benzo(a)pyrene	17.69	252	54897	3.90	ng	# 78
91) Benzo(a,h,i)perylene	19.53	276	48561	3.24	ng	# 92

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

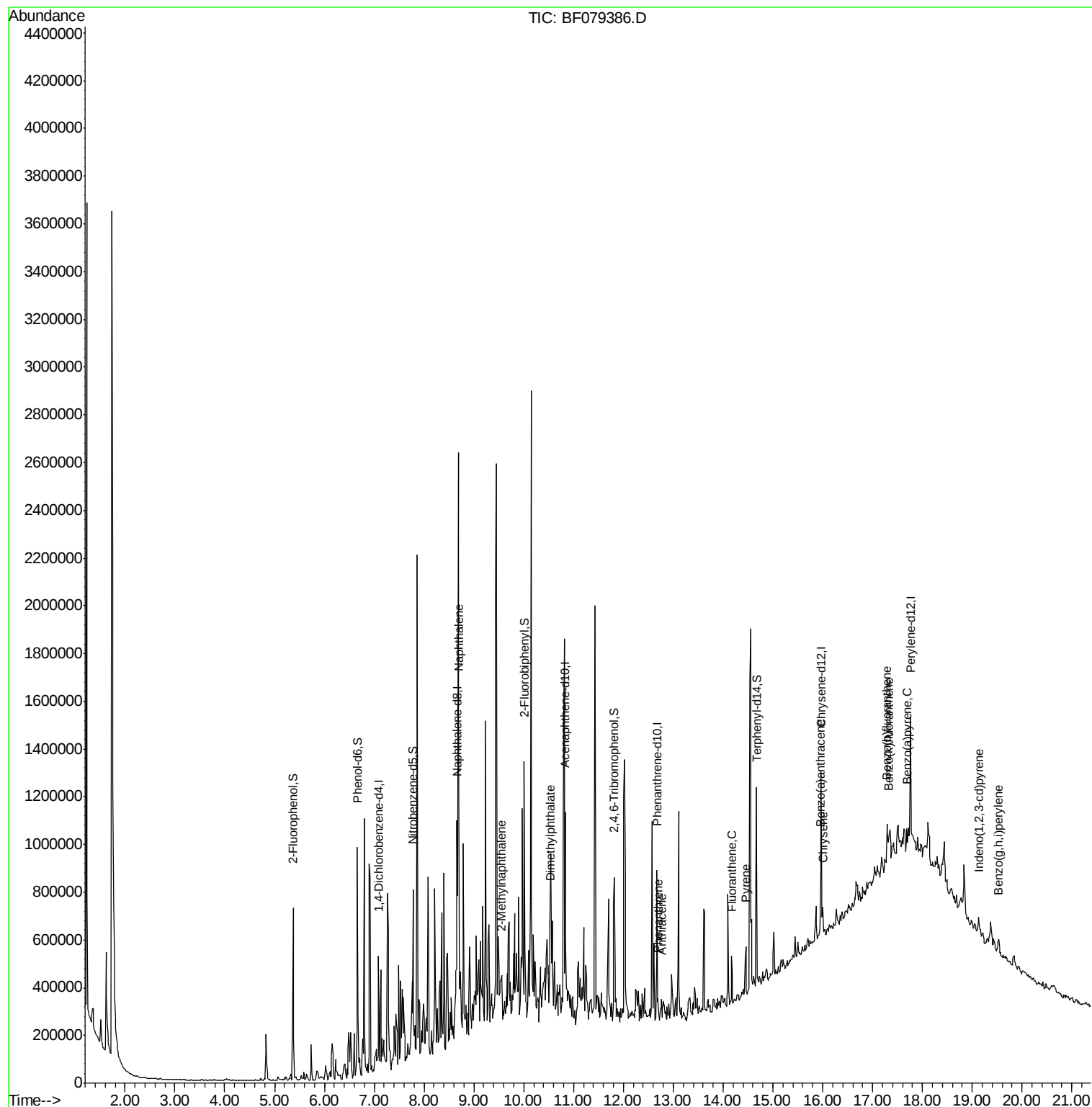
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\
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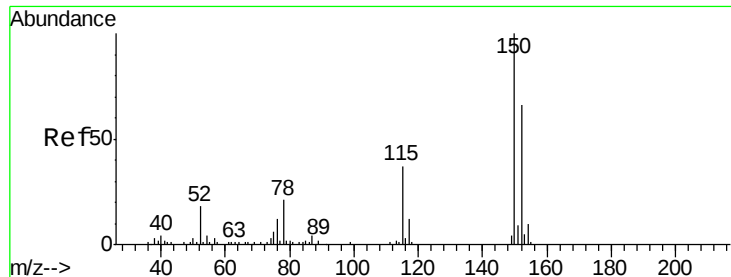
Instrument :
BNA_F
ClientSampleId :
LS-SB03A(2.5-3.0)

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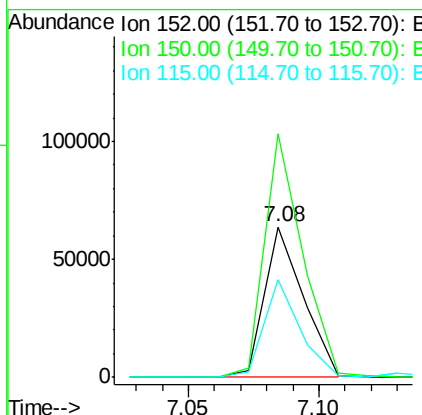
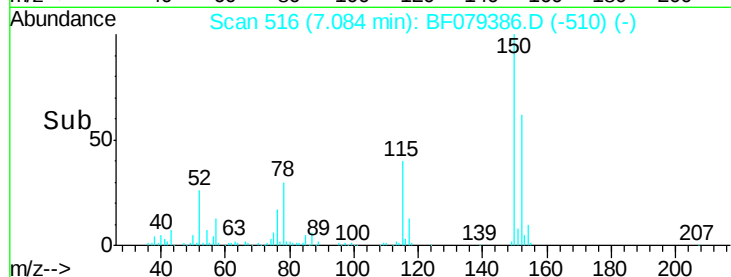
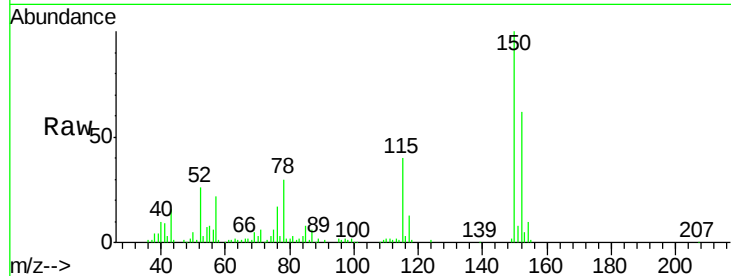
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.08 min Scan# 516
Delta R.T. -0.00 min
Lab File: BF079386.D
Acq: 20 May 2015 19:00

Instrument :
BNA_F
ClientSampleId :
LS-SB03A(2.5-3.0)

Tot Ion:	152	Resp:	66433
Ion Ratio	Lower	Upper	
152	100		
150	162.0	123.8	185.8
115	65.3	49.4	74.0

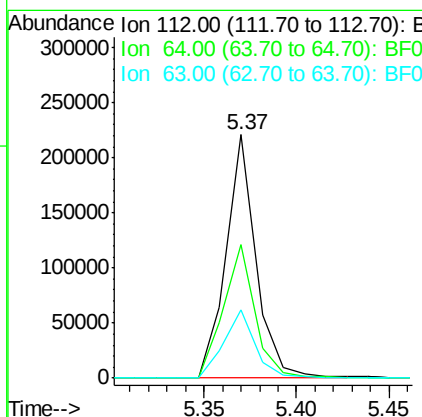
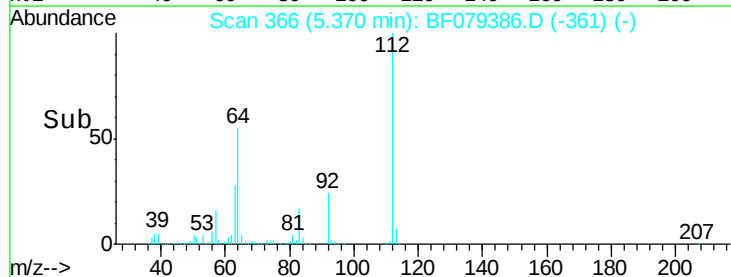
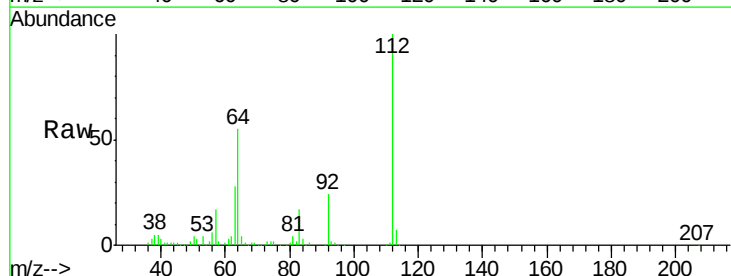
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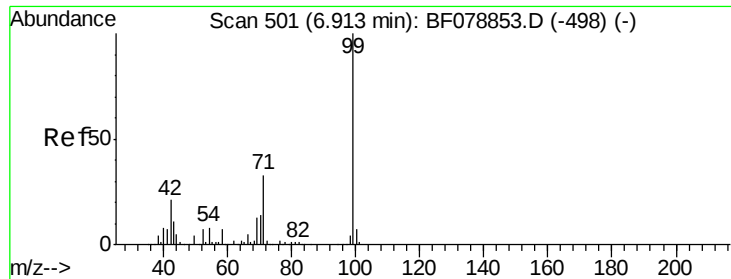
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#5
2-Fluorophenol
Concen: 63.87 ng m
RT: 5.37 min Scan# 366
Delta R.T. -0.00 min
Lab File: BF079386.D
Acq: 20 May 2015 19:00

Tgt Ion:	112	Resp:	246481
Ion Ratio	Lower	Upper	
112	100		
64	54.9	44.2	66.2
63	28.2	22.7	34.1





#7

Phenol-d6

Concen: 63.89 ng

RT: 6.66 min Scan# 479

Delta R.T. -0.00 min

Lab File: BF079386.D

Acq: 20 May 2015 19:00

Instrument :

BNA_F

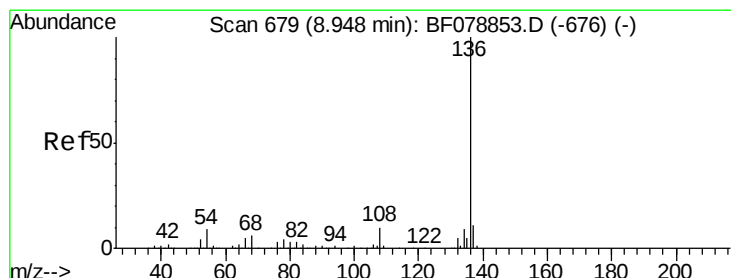
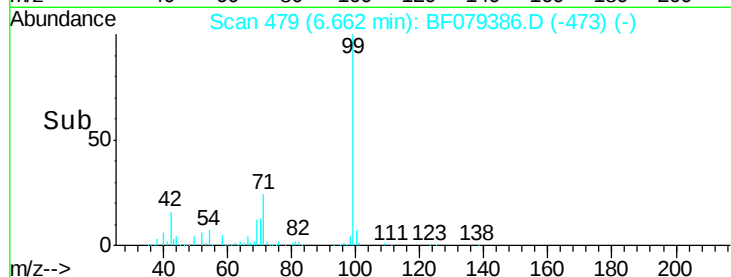
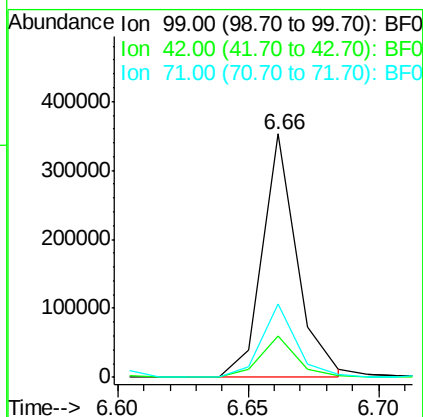
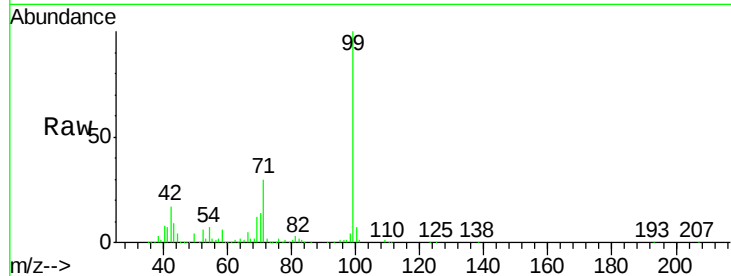
ClientSampleId :

LS-SB03A(2.5-3.0)

Tot Ion:	99	Resp:	325903
Ion Ratio	Lower	Upper	
99	100		
42	17.1	17.1	25.7
71	30.1	26.3	39.5

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#21

Naphthalene-d8

Concen: 20.00 ng

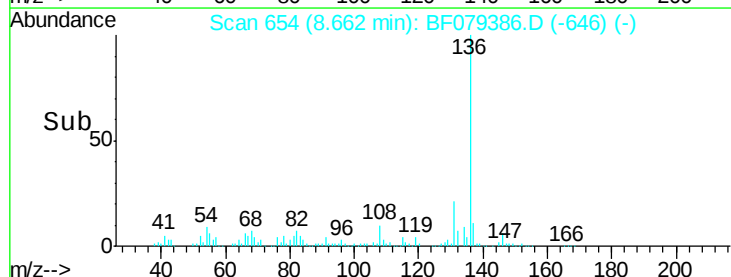
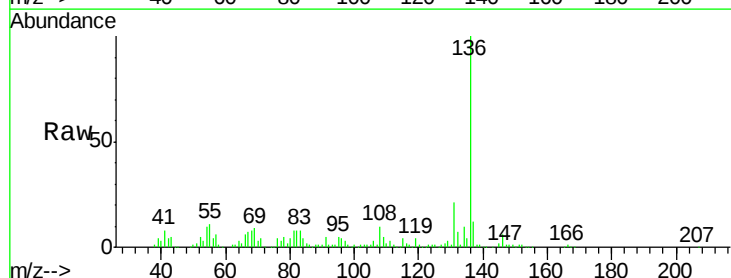
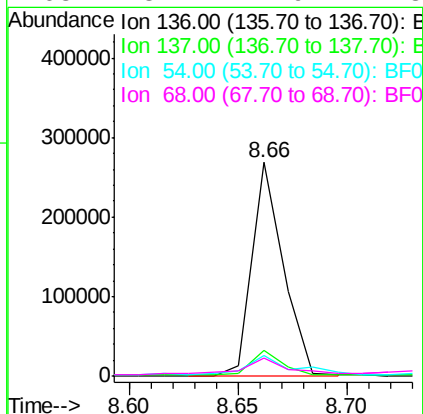
RT: 8.66 min Scan# 654

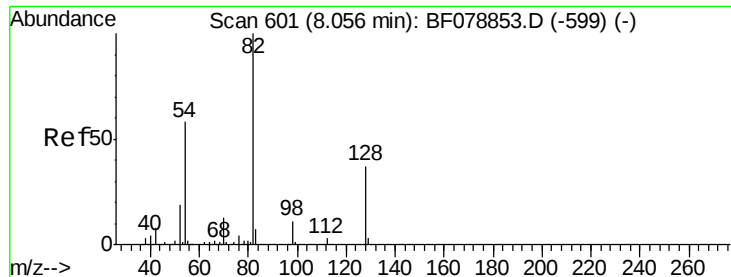
Delta R.T. -0.00 min

Lab File: BF079386.D

Acq: 20 May 2015 19:00

Tgt Ion:	136	Resp:	268857
Ion Ratio	Lower	Upper	
136	100		
137	11.9	8.8	13.2
54	9.8	6.9	10.3
68	8.2	4.9	7.3#





#23

Nitrobenzene-d5

Concen: 40.53 ng

RT: 7.78 min Scan# 577

Delta R.T. -0.00 min

Lab File: BF079386.D

Acq: 20 May 2015 19:00

Instrument :

BNA_F

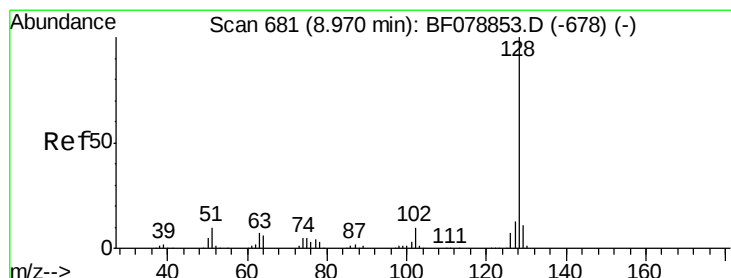
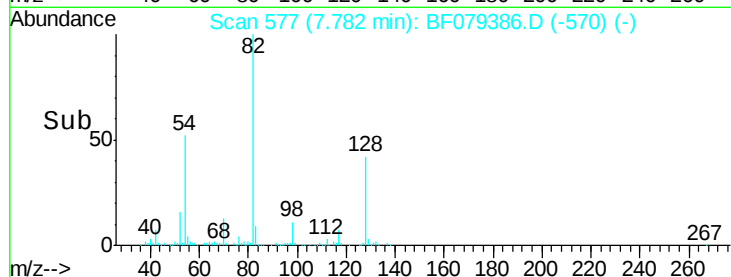
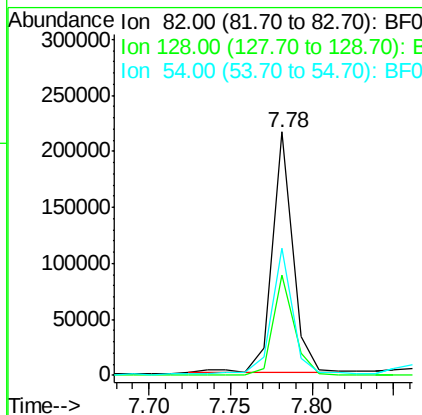
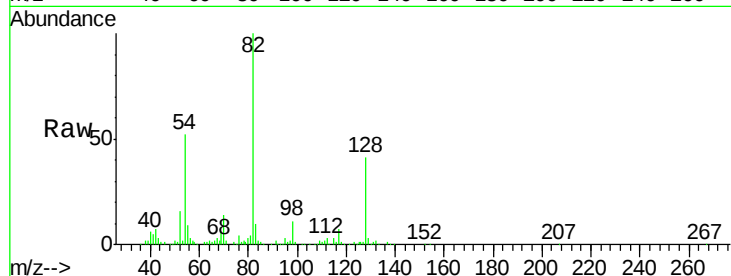
ClientSampleId :

LS-SB03A(2.5-3.0)

Tot Ion:	82	Resp:	189583
Ion Ratio	Lower	Upper	
82	100		
128	41.3	29.7	44.5
54	52.1	46.2	69.4

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#31

Naphthalene

Concen: 2.44 ng m

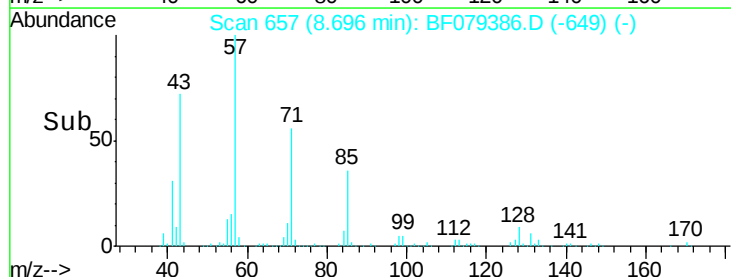
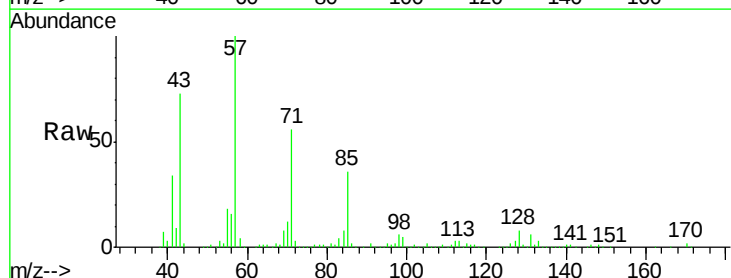
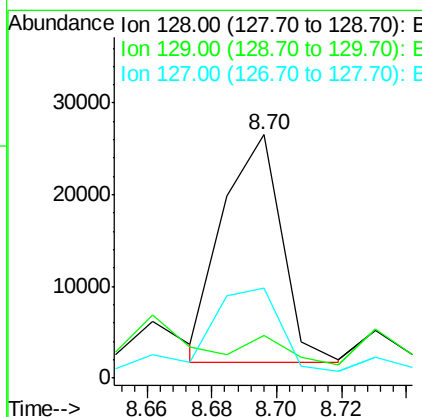
RT: 8.70 min Scan# 657

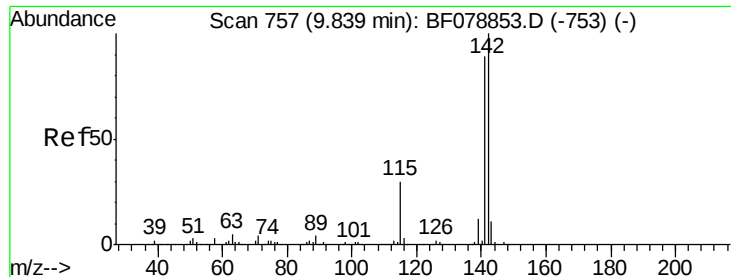
Delta R.T. -0.00 min

Lab File: BF079386.D

Acq: 20 May 2015 19:00

Tgt Ion:	128	Resp:	31233
Ion Ratio	Lower	Upper	
128	100		
129	17.3	9.2	13.8#
127	37.0	10.3	15.5#





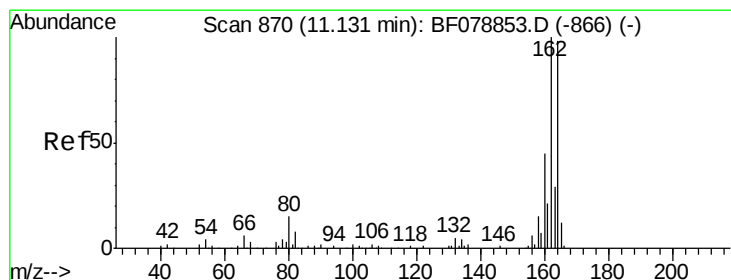
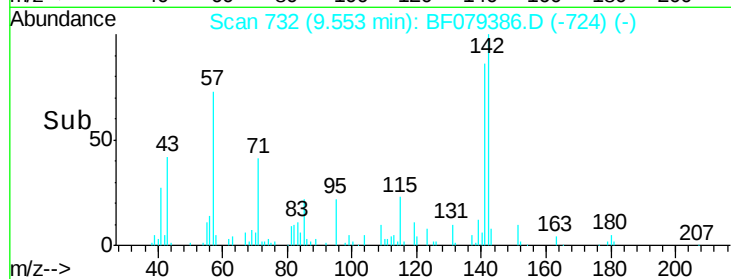
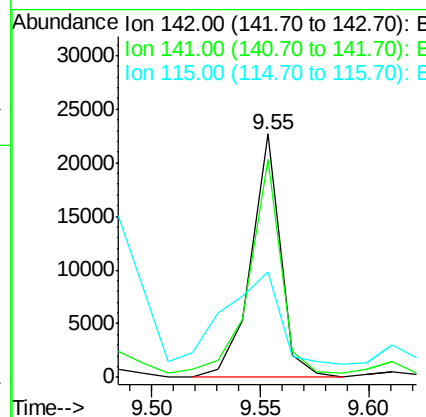
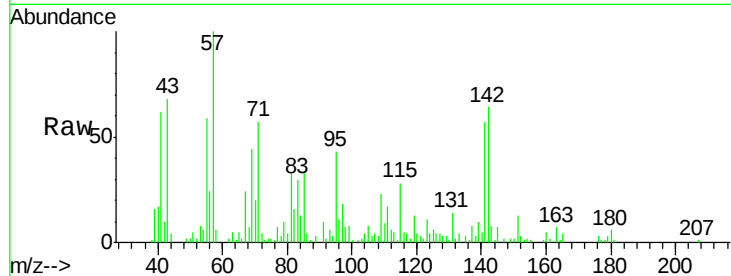
#37
2-Methylnaphthalene
Concen: 2.41 ng
RT: 9.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: BF079386.D
Acq: 20 May 2015 19:00

Instrument :
BNA_F
ClientSampleId :
LS-SB03A(2.5-3.0)

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.6	107.4
115	43.4	24.2	36.4

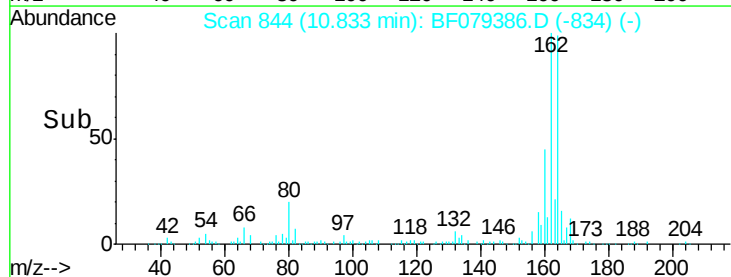
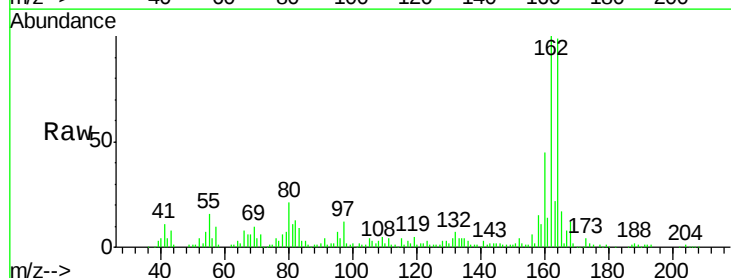
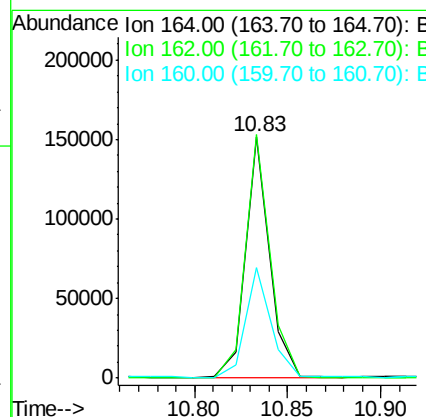
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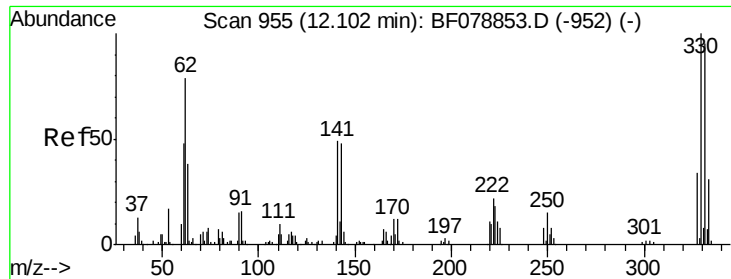
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.83 min Scan# 844
Delta R.T. -0.00 min
Lab File: BF079386.D
Acq: 20 May 2015 19:00

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.4	122.0
160	45.6	36.6	54.8





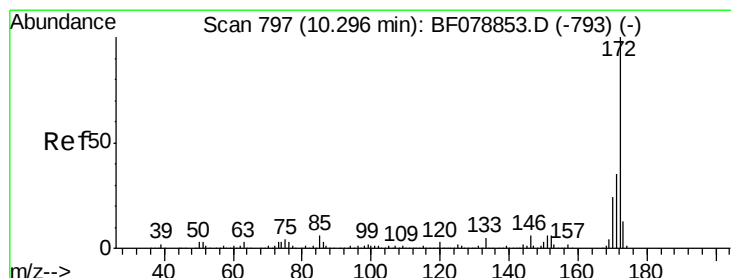
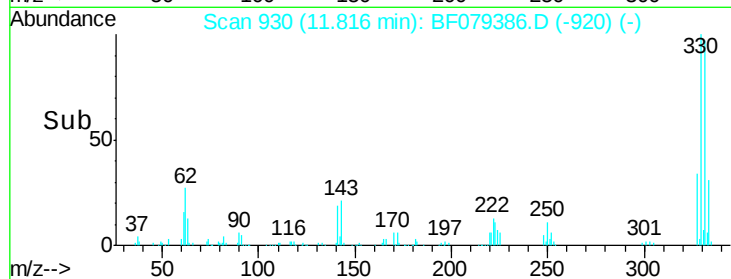
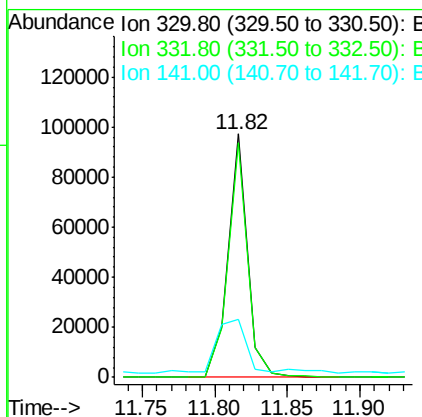
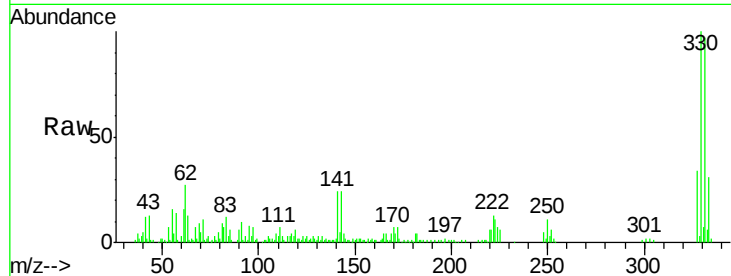
#41
 2,4,6-Tribromophenol
 Concen: 61.97 ng
 RT: 11.82 min Scan# 930
 Delta R.T. -0.00 min
 Lab File: BF079386.D
 Acq: 20 May 2015 19:00

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB03A(2.5-3.0)

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.9	115.3
141	36.2	27.8	41.8

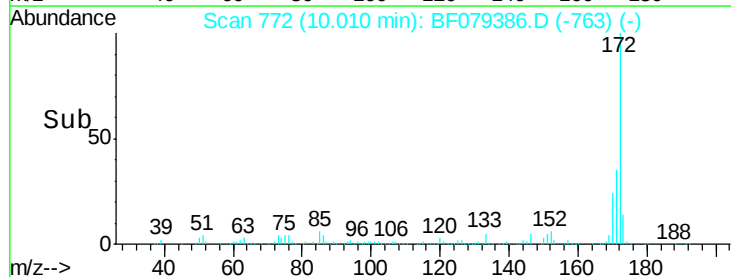
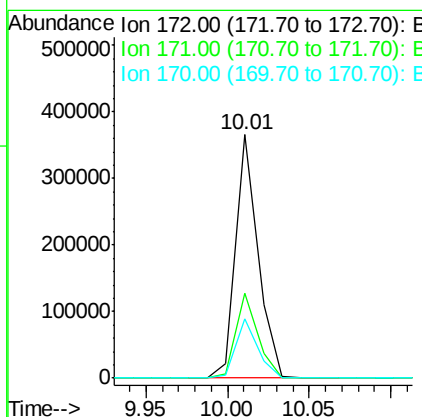
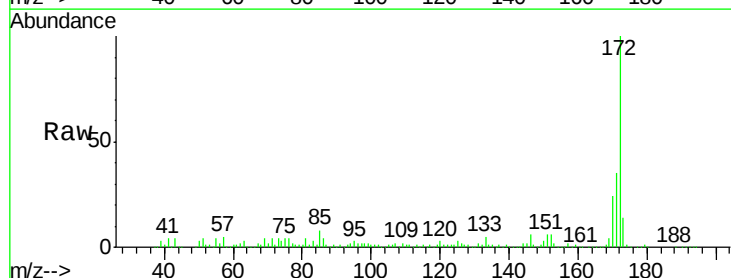
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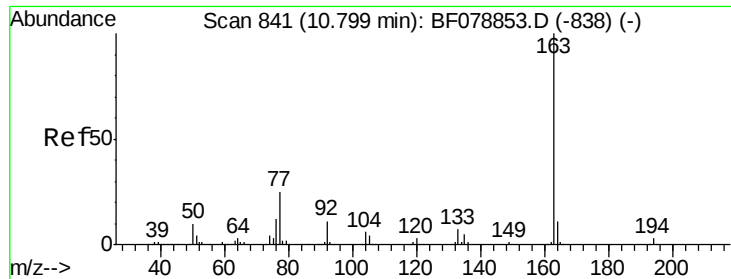
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#44
 2-Fluorobiphenyl
 Concen: 35.47 ng
 RT: 10.01 min Scan# 772
 Delta R.T. -0.00 min
 Lab File: BF079386.D
 Acq: 20 May 2015 19:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.3	42.5
170	24.2	19.4	29.2





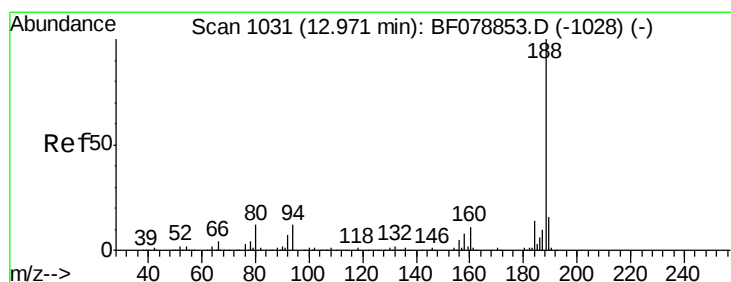
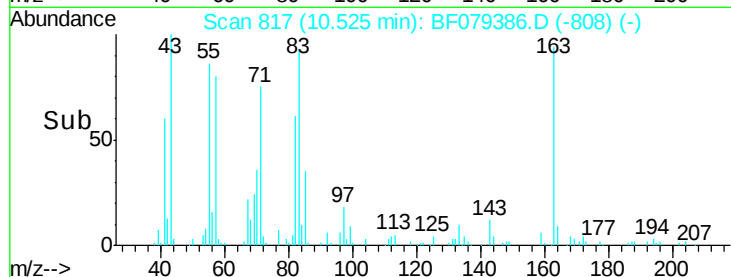
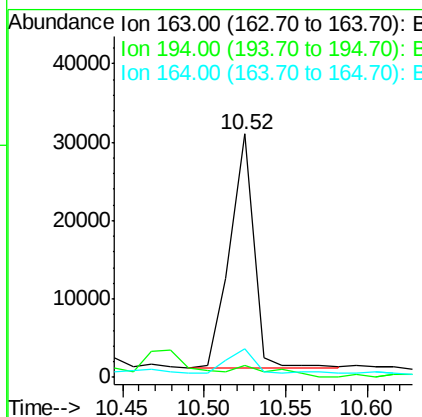
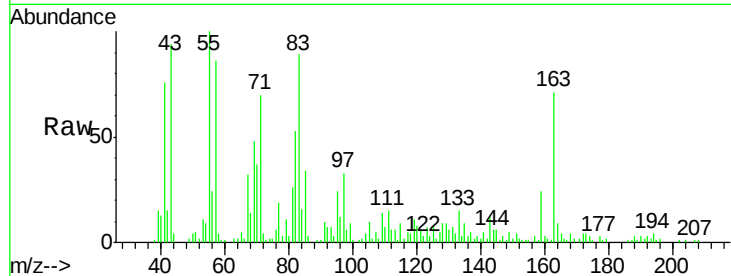
#49
Dimethylphthalate
Concen: 3.09 ng
RT: 10.52 min Scan# 817
Delta R.T. -0.00 min
Lab File: BF079386.D
Acq: 20 May 2015 19:00

Instrument :
BNA_F
ClientSampleId :
LS-SB03A(2.5-3.0)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	30684		
194	5.1	2.4	3.6#	
164	12.0	8.6	12.8	

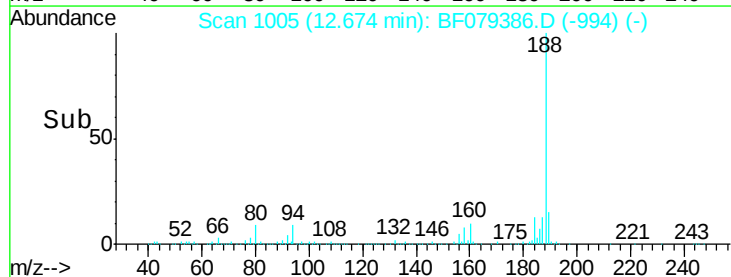
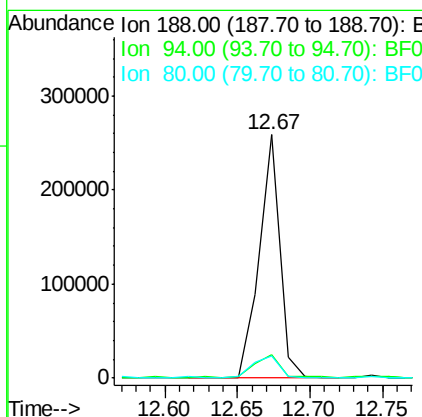
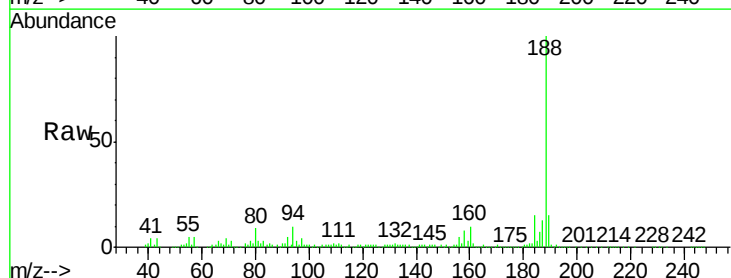
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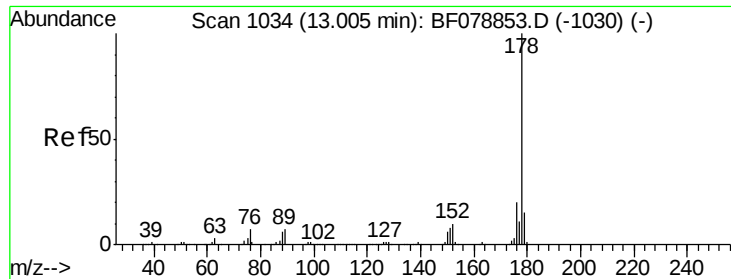
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.67 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF079386.D
Acq: 20 May 2015 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	257293		
94	9.7	9.4	14.0	
80	8.9	9.8	14.6#	





#70

Phenanthrene

Concen: 3.25 ng

RT: 12.70 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF079386.D

Acq: 20 May 2015 19:00

Instrument :

BNA_F

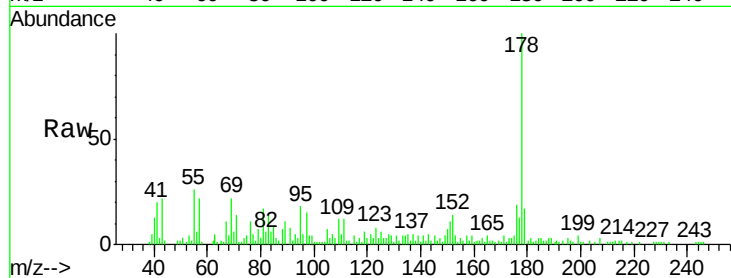
ClientSampleId :

LS-SB03A(2.5-3.0)

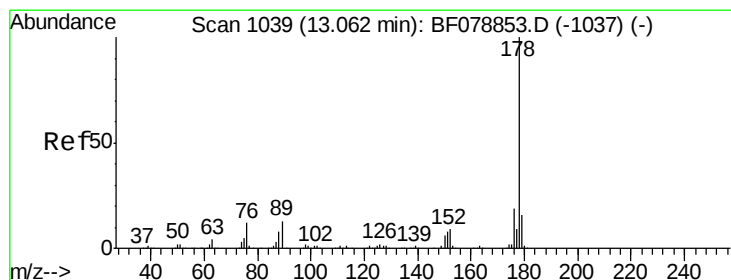
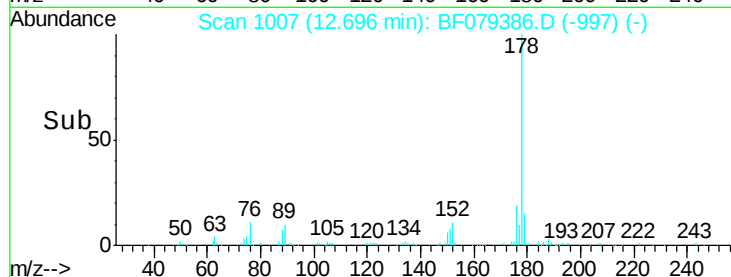
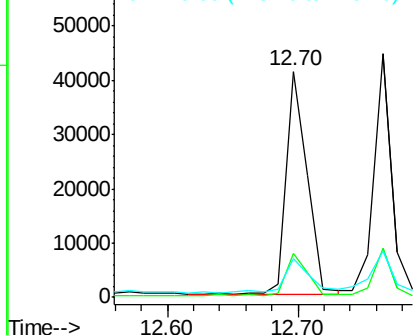
Tot Ion:	178	Resp:	46717
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.9	23.9
179	17.4	12.2	18.4

Manual Integrations
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.91 ng m

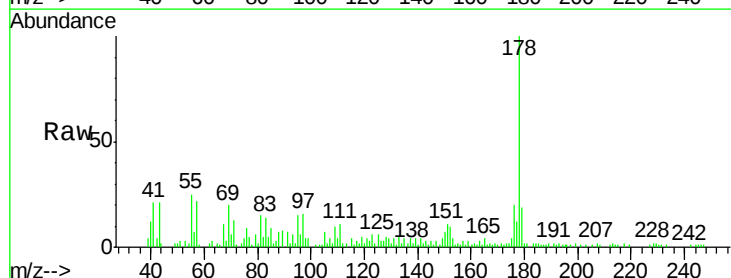
RT: 12.76 min Scan# 1013

Delta R.T. -0.00 min

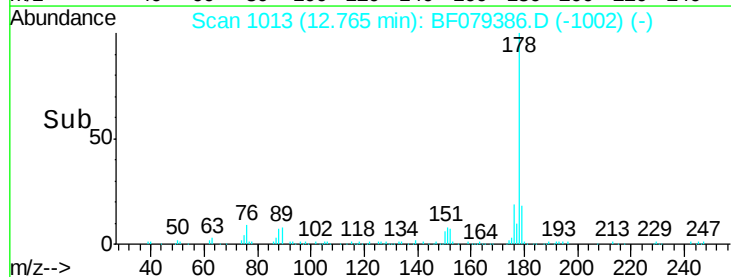
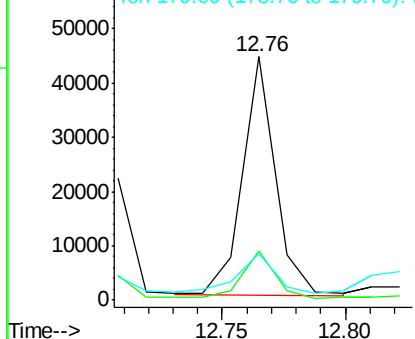
Lab File: BF079386.D

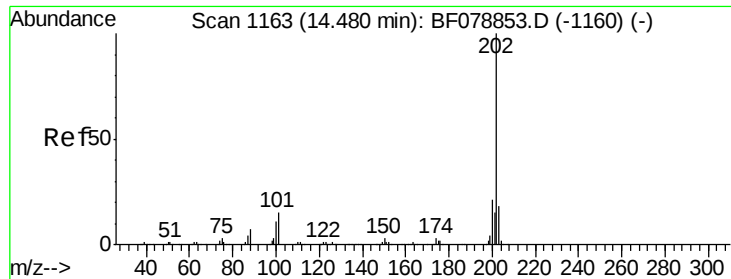
Acq: 20 May 2015 19:00

Tgt Ion:	178	Resp:	41026
Ion Ratio	Lower	Upper	
178	100		
176	20.1	15.3	22.9
179	19.2	12.6	19.0#



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 6.87 ng

RT: 14.17 min Scan# 1136

Delta R.T. -0.00 min

Lab File: BF079386.D

Acq: 20 May 2015 19:00

Instrument :

BNA_F

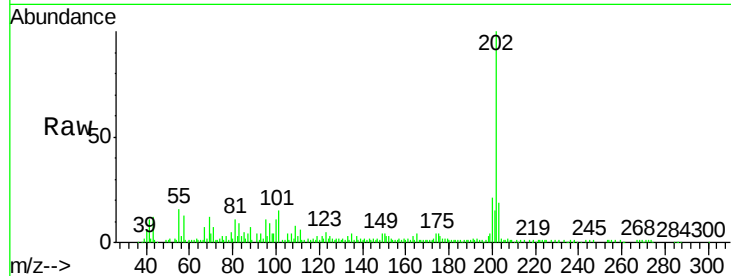
ClientSampleId :

LS-SB03A(2.5-3.0)

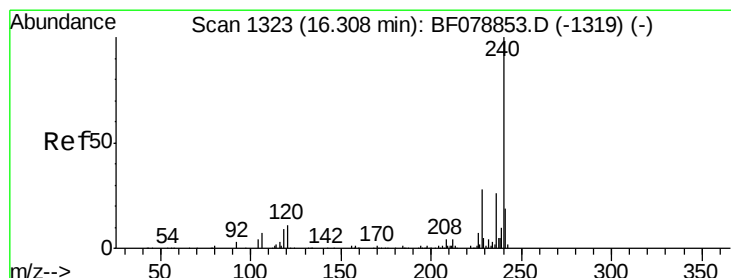
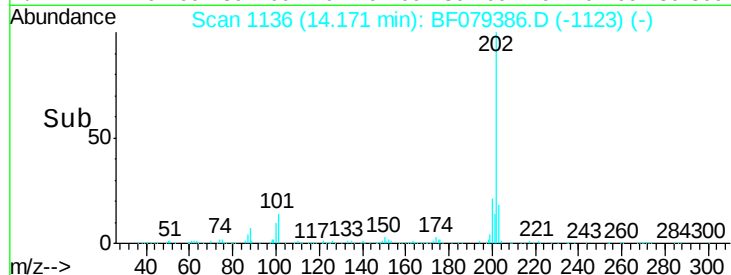
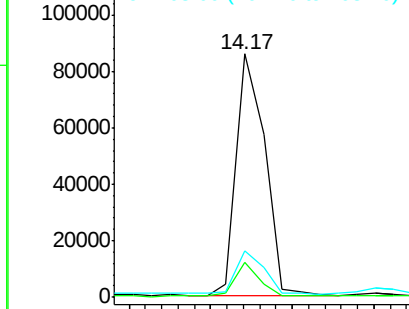
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	14.5	0.0	34.7		
203	19.0	0.0	37.9		

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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

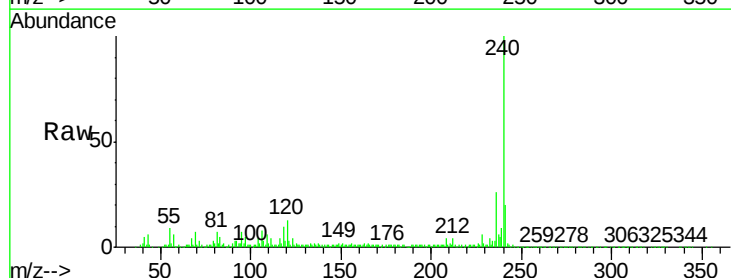
RT: 15.97 min Scan# 1293

Delta R.T. -0.01 min

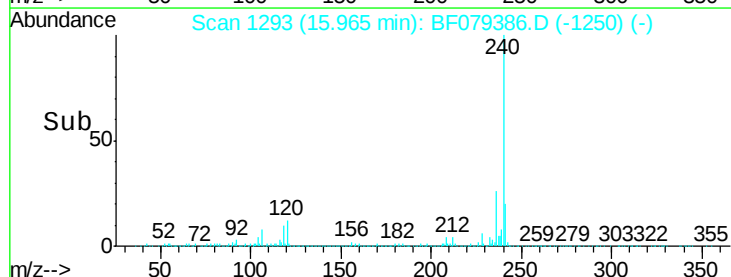
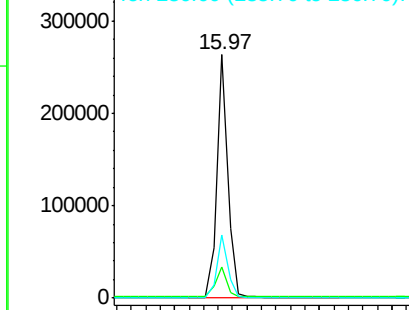
Lab File: BF079386.D

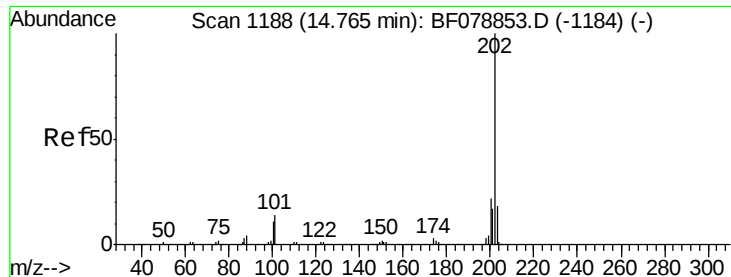
Acq: 20 May 2015 19:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	12.9	8.6	12.8#		
236	26.2	21.0	31.6		



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: 6.46 ng

RT: 14.46 min Scan# 1161

Delta R.T. -0.00 min

Lab File: BF079386.D

Acq: 20 May 2015 19:00

Instrument :

BNA_F

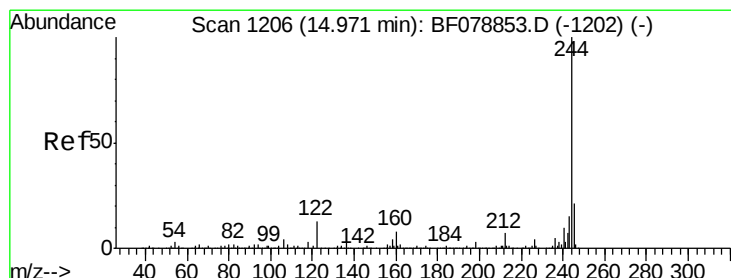
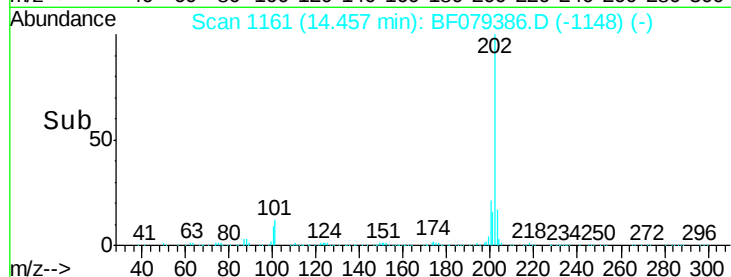
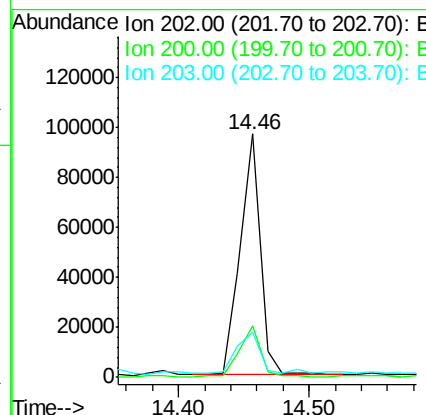
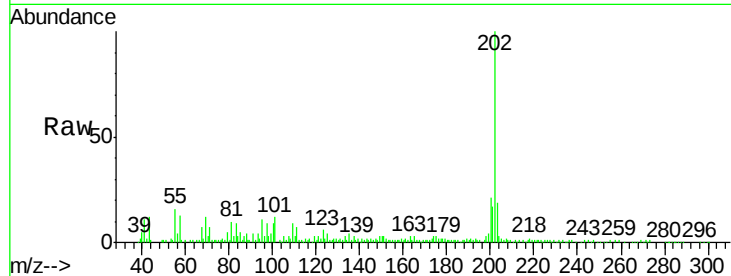
ClientSampleId :

LS-SB03A(2.5-3.0)

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.0	17.5	26.3	
203	18.8	14.7	22.1	

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#78

Terphenyl-d14

Concen: 34.69 ng

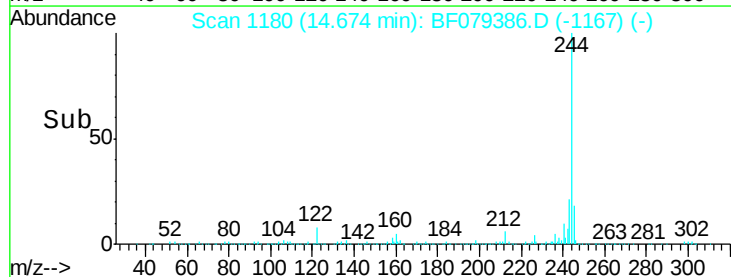
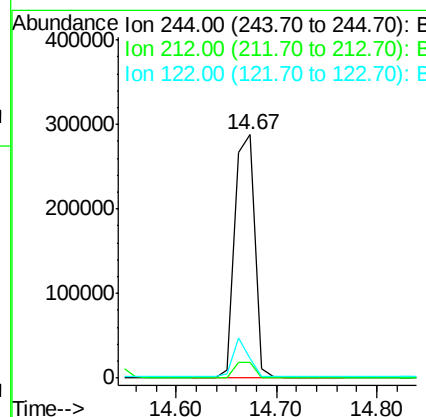
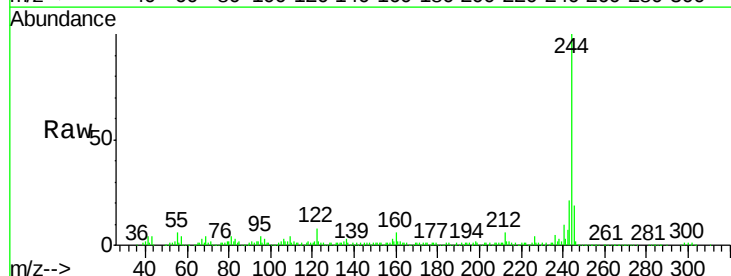
RT: 14.67 min Scan# 1180

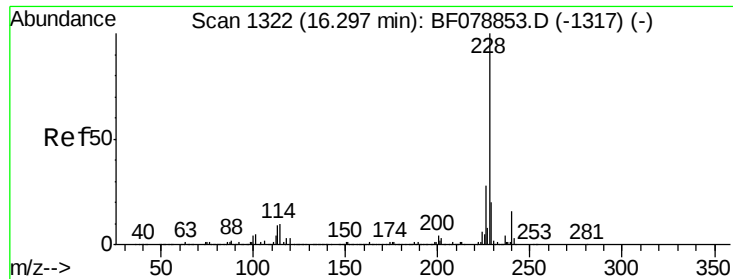
Delta R.T. -0.00 min

Lab File: BF079386.D

Acq: 20 May 2015 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.3	5.6	8.4	
122	8.3	10.5	15.7	





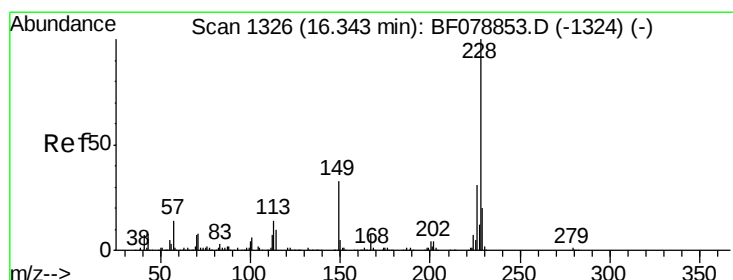
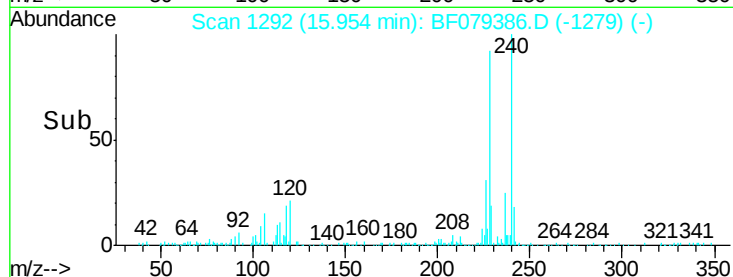
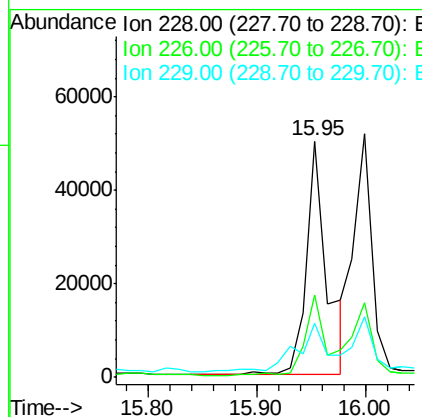
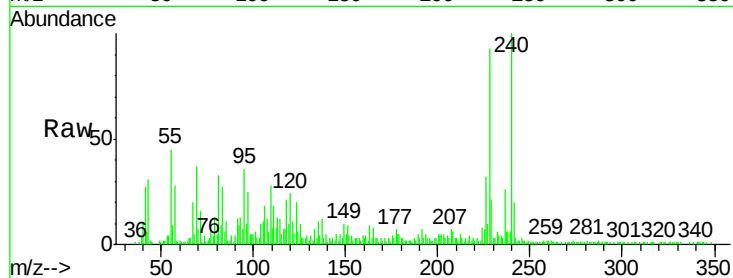
#80
Benzo(a)anthracene
Concen: 4.40 ng
RT: 15.95 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF079386.D
Acq: 20 May 2015 19:00

Instrument :
BNA_F
ClientSampleId :
LS-SB03A(2.5-3.0)

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.9	22.3	33.5#
229	22.8	16.1	24.1

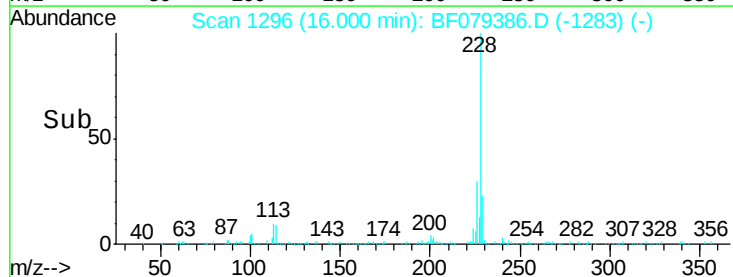
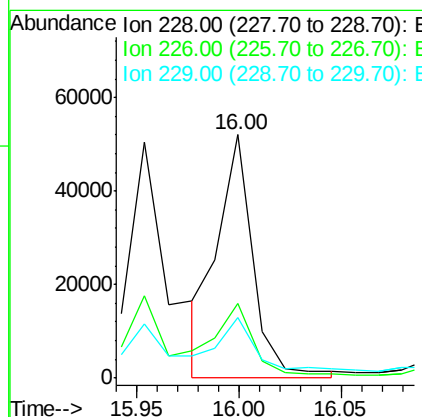
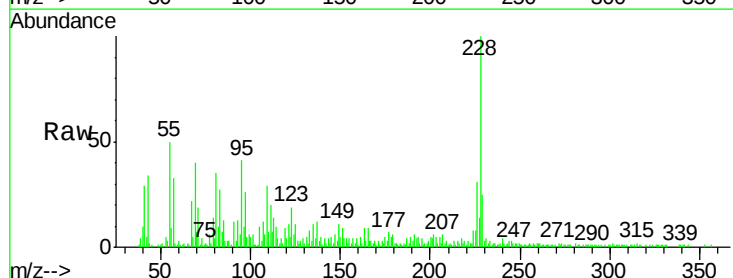
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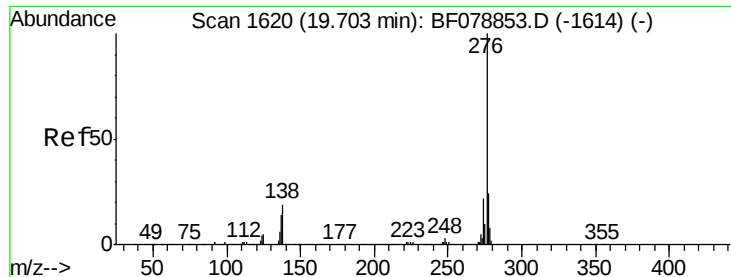
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#82
Chrysene
Concen: 4.35 ng m
RT: 16.00 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF079386.D
Acq: 20 May 2015 19:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.8	37.2
229	25.0	16.1	24.1#





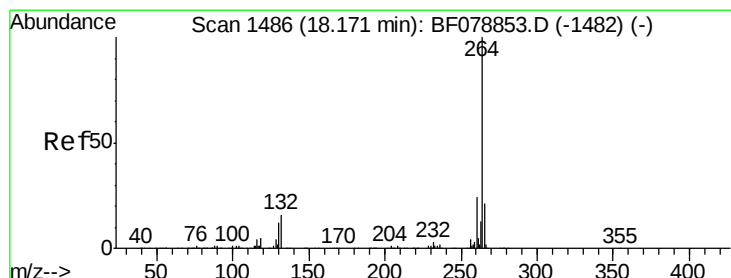
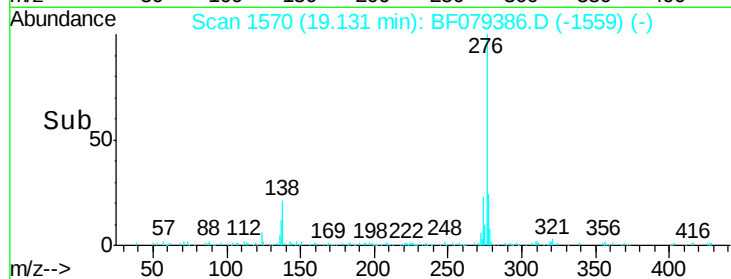
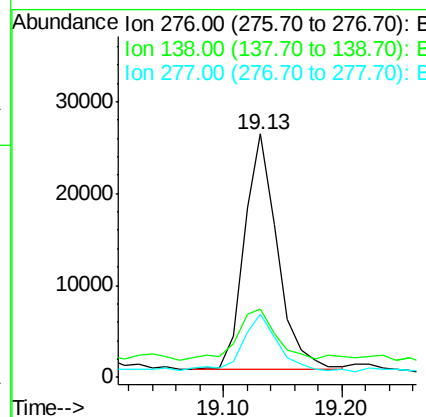
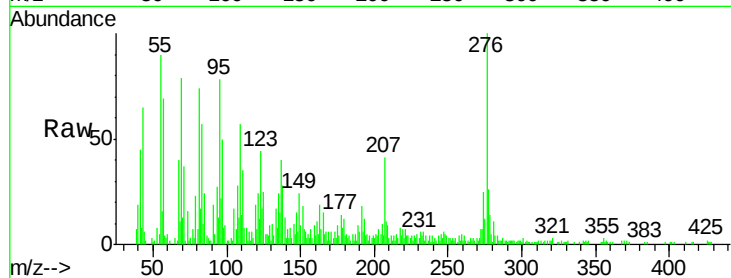
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.66 ng
 RT: 19.13 min Scan# 1570
 Delta R.T. -0.08 min
 Lab File: BF079386.D
 Acq: 20 May 2015 19:00

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB03A(2.5-3.0)

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.2	21.1	31.7
277	27.0	19.9	29.9

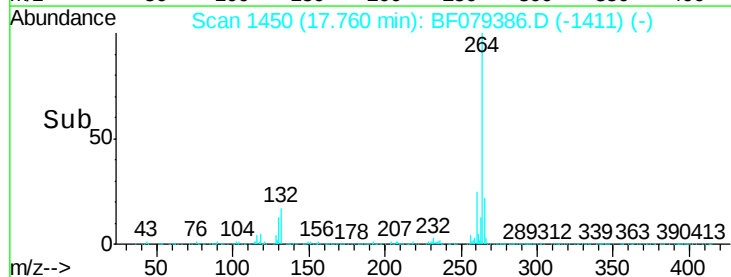
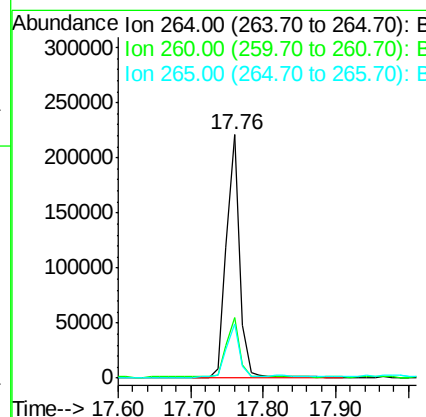
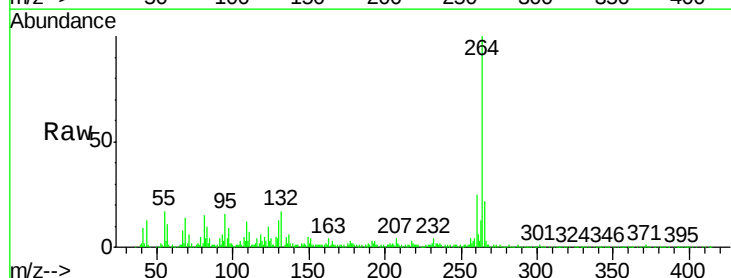
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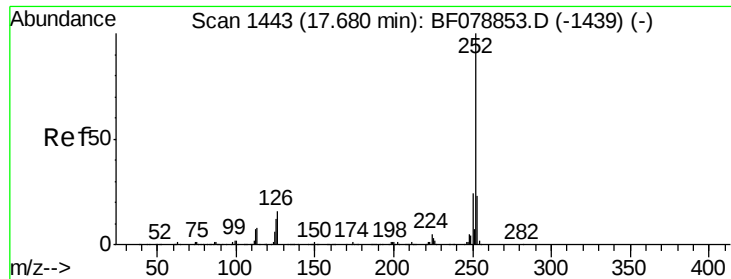
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.76 min Scan# 1450
 Delta R.T. -0.06 min
 Lab File: BF079386.D
 Acq: 20 May 2015 19:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	22.2	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 6.50 ng m

RT: 17.29 min Scan# 1409

Delta R.T. -0.05 min

Lab File: BF079386.D

Acq: 20 May 2015 19:00

Instrument :

BNA_F

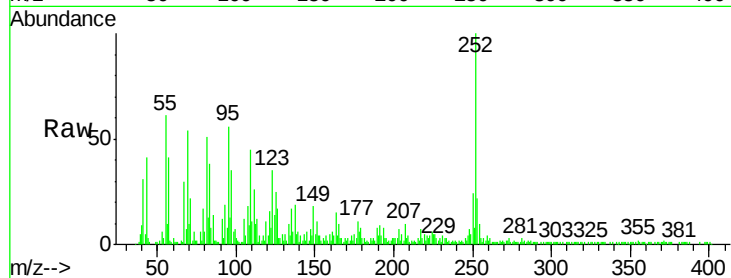
ClientSampleId :

LS-SB03A(2.5-3.0)

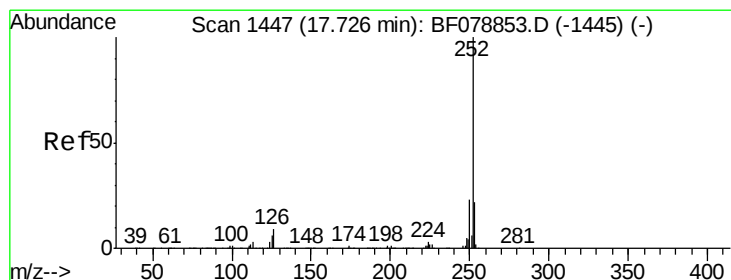
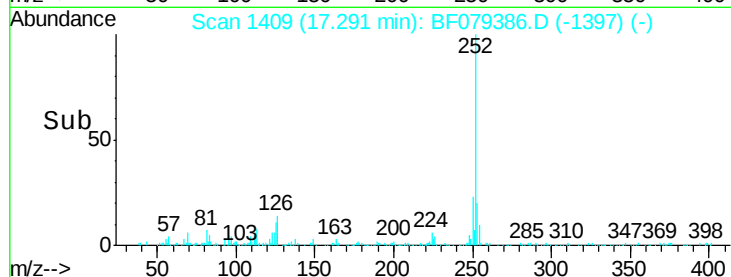
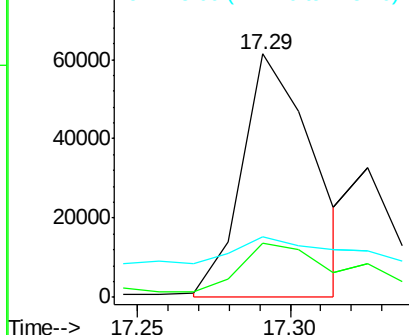
Tot Ion:	252	Resp:	99454
Ion Ratio	Lower	Upper	
252	100		
253	22.1	18.1	27.1
125	24.9	9.4	14.2#

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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



#88

Benzo(k)fluoranthene

Concen: 2.32 ng m

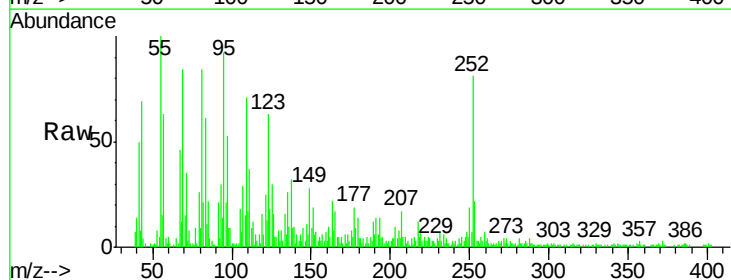
RT: 17.33 min Scan# 1412

Delta R.T. -0.05 min

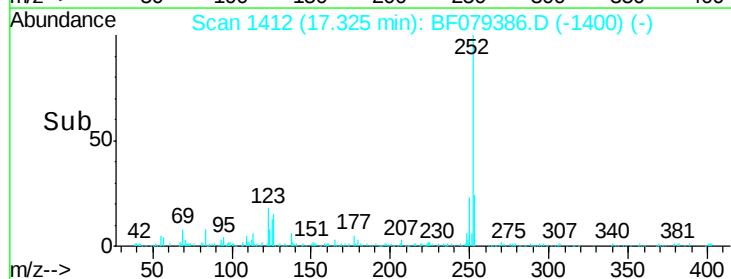
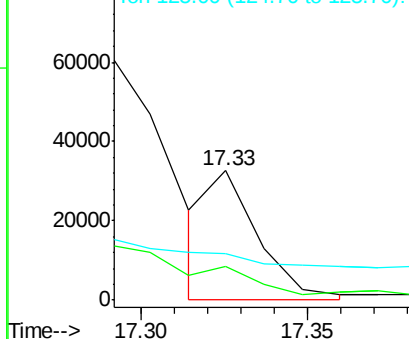
Lab File: BF079386.D

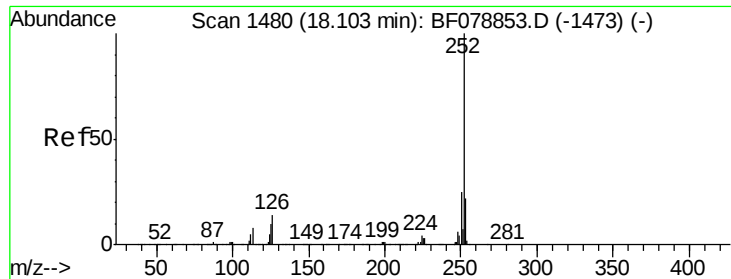
Acq: 20 May 2015 19:00

Tgt Ion:	252	Resp:	34355
Ion Ratio	Lower	Upper	
252	100		
253	26.5	17.4	26.0#
125	36.4	6.1	9.1#



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





#89

Benzo(a)pyrene

Concen: 3.90 ng

RT: 17.69 min Scan# 1444

Delta R.T. -0.06 min

Lab File: BF079386.D

Acq: 20 May 2015 19:00

Instrument :

BNA_F

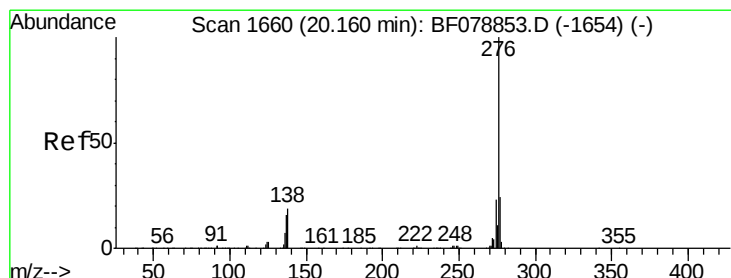
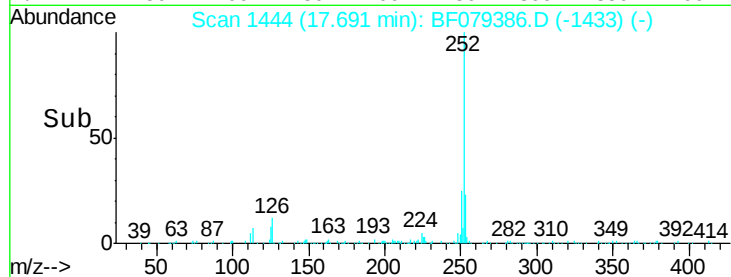
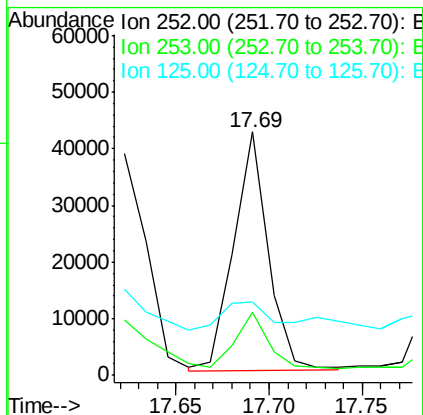
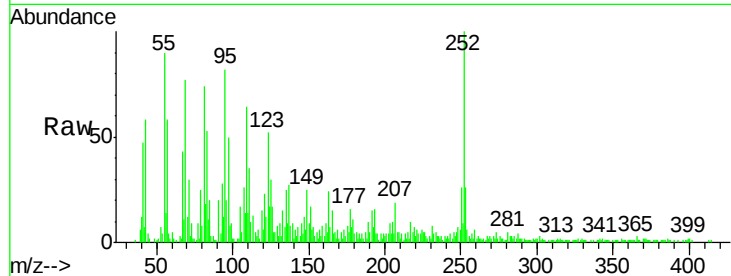
ClientSampleId :

LS-SB03A(2.5-3.0)

Tot Ion:	252	Resp:	54897
Ion Ratio	Lower	Upper	
252	100		
253	26.1	18.0	27.0
125	30.1	8.2	12.2#

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#91

Benzo(g,h,i)perylene

Concen: 3.24 ng

RT: 19.53 min Scan# 1605

Delta R.T. -0.08 min

Lab File: BF079386.D

Acq: 20 May 2015 19:00

Tgt Ion:	276	Resp:	48561
Ion Ratio	Lower	Upper	
276	100		
277	24.0	18.8	28.2
138	26.9	15.2	22.8#

