

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\
 Data File : BF079394.D
 Acq On : 20 May 2015 22:49
 Operator : TP/IZ
 Sample : G2299-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB04B(10-10.5)

Manual Integrations
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Quant Time: May 21 04:04:12 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 20 05:08:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.08	152	68872m	20.00	ng	-0.05
21) Naphthalene-d8	8.66	136	281910	20.00	ng	-0.05
38) Acenaphthene-d10	10.83	164	138076	20.00	ng	-0.05
63) Phenanthrene-d10	12.67	188	272262	20.00	ng	-0.05
75) Chrysene-d12	15.97	240	284996	20.00	ng	-0.06
86) Perylene-d12	17.71	264	296425	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	428308m	107.05	ng	-0.03
7) Phenol-d6	6.67	99	571783m	108.12	ng	-0.03
23) Nitrobenzene-d5	7.78	82	290682	59.26	ng	-0.05
41) 2,4,6-Tribromophenol	11.82	330	162358	108.69	ng	-0.05
44) 2-Fluorobiphenyl	10.01	172	514591	51.92	ng	-0.05
78) Terphenyl-d14	14.67	244	569598	47.85	ng	-0.05
Target Compounds						Qvalue
49) Dimethylphthalate	10.52	163	50278	4.96	ng	99
51) Acenaphthene	10.88	154	20698	2.47	ng	98
54) Dibenzofuran	11.10	168	25653	2.12	ng	94
57) Fluorene	11.52	166	32905m	3.31	ng	
70) Phenanthrene	12.71	178	220779	14.49	ng	98
71) Anthracene	12.77	178	72764	4.87	ng	99
74) Fluoranthene	14.18	202	191120	12.04	ng	93
77) Pyrene	14.46	202	176621	10.75	ng	97
80) Benzo(a)anthracene	15.95	228	90623	5.81	ng	98
82) Chrysene	15.99	228	80317m	5.35	ng	
85) Indeno(1,2,3-cd)pyrene	19.07	276	50608m	2.65	ng	
87) Benzo(b)fluoranthene	17.26	252	106557m	6.57	ng	
88) Benzo(k)fluoranthene	17.29	252	35892m	2.29	ng	
89) Benzo(a)pyrene	17.65	252	84245	5.64	ng	# 95
91) Benzo(a,h,i)perylene	19.47	276	50714	3.19	ng	# 94

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

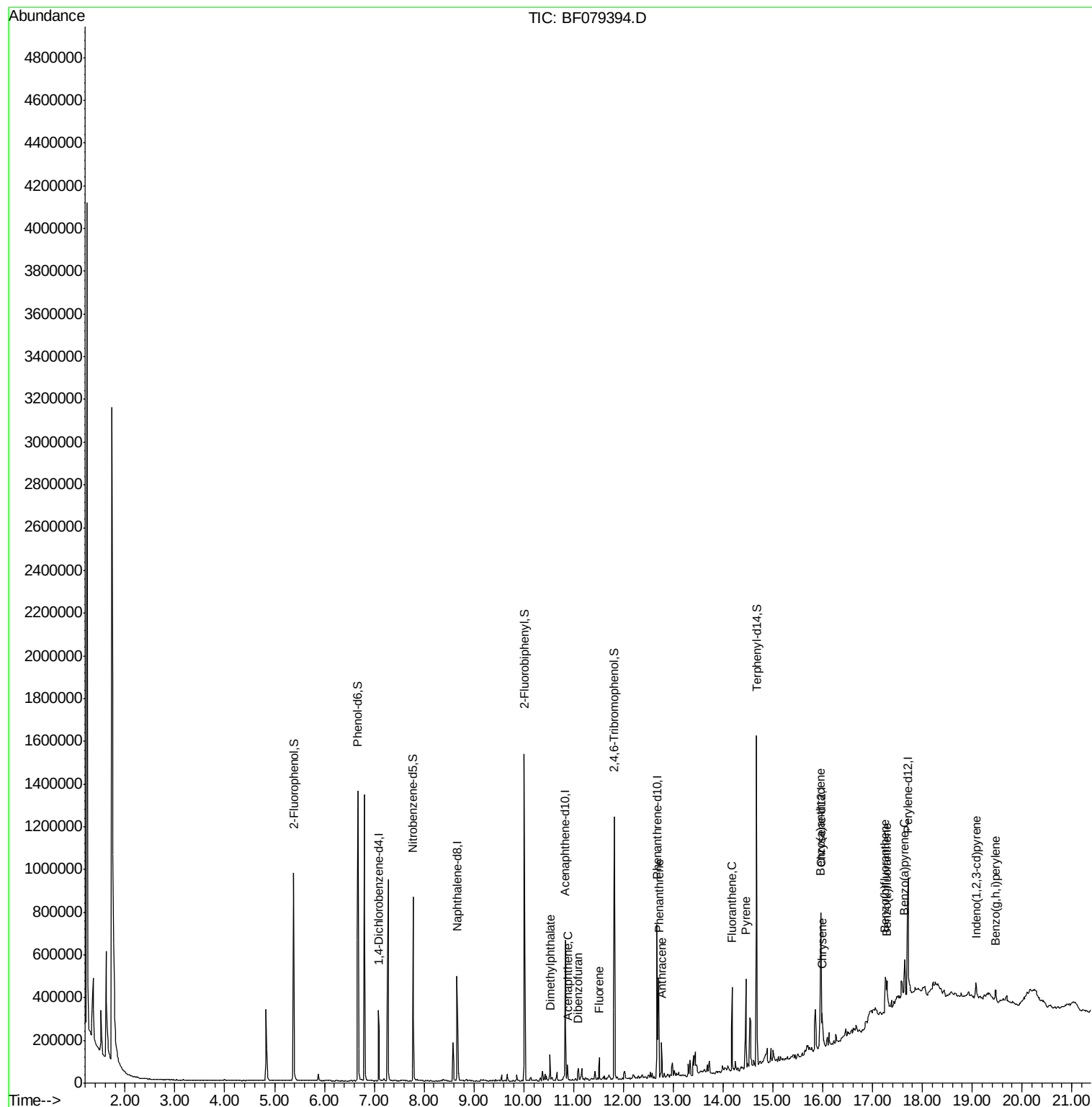
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\
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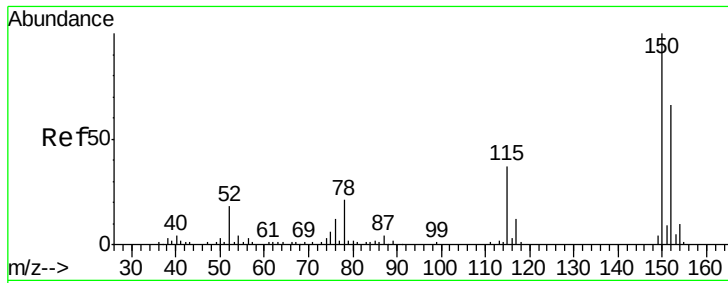
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LS-SB04B(10-10.5)

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
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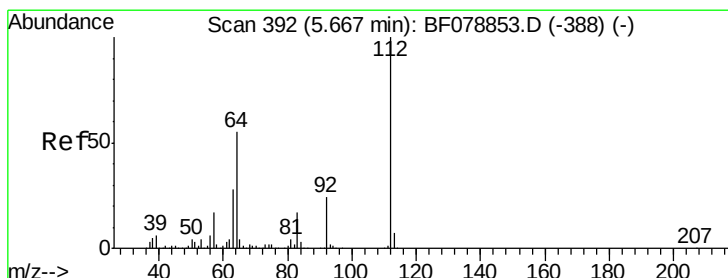
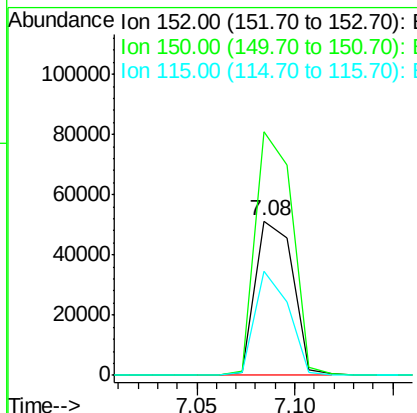
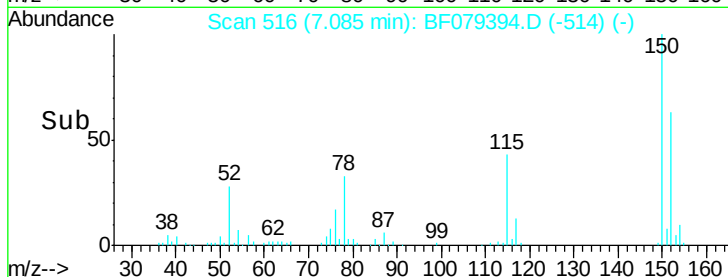
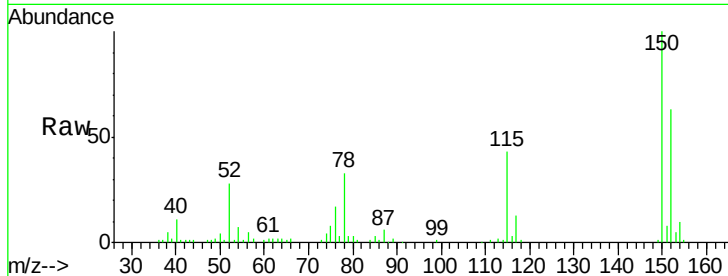
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng m
 RT: 7.08 min Scan# 516
 Delta R.T. -0.05 min
 Lab File: BF079394.D
 Acq: 20 May 2015 22:49

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB04B(10-10.5)

Tot Ion:	152	Resp:	68872
Ion	Ratio	Lower	Upper
152	100		
150	157.9	123.8	185.8
115	67.7	49.4	74.0

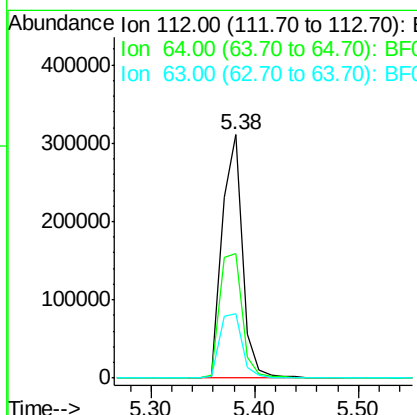
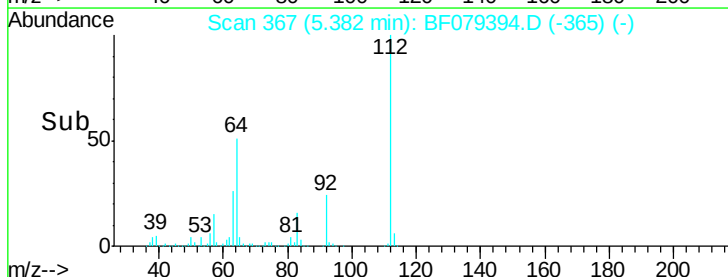
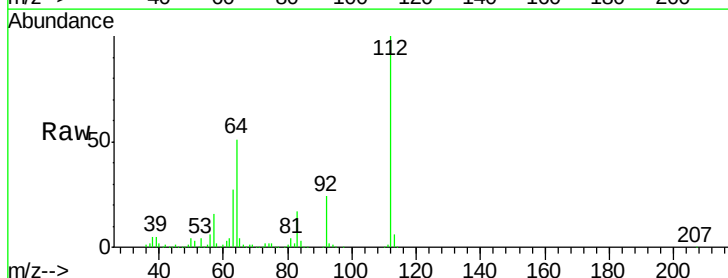
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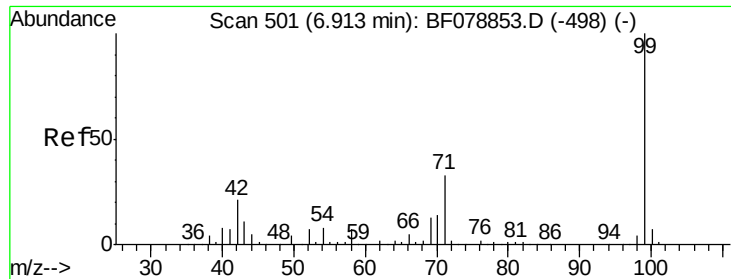
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#5
 2-Fluorophenol
 Concen: 107.05 ng m
 RT: 5.38 min Scan# 367
 Delta R.T. -0.03 min
 Lab File: BF079394.D
 Acq: 20 May 2015 22:49

Tgt Ion:	112	Resp:	428308
Ion	Ratio	Lower	Upper
112	100		
64	51.2	44.2	66.2
63	26.6	22.7	34.1





#7

Phenol-d6

Concen: 108.12 ng/mL

RT: 6.67 min Scan# 480

Delta R.T. -0.03 min

Lab File: BF079394.D

Acq: 20 May 2015 22:49

Instrument :

BNA_F

ClientSampleId :

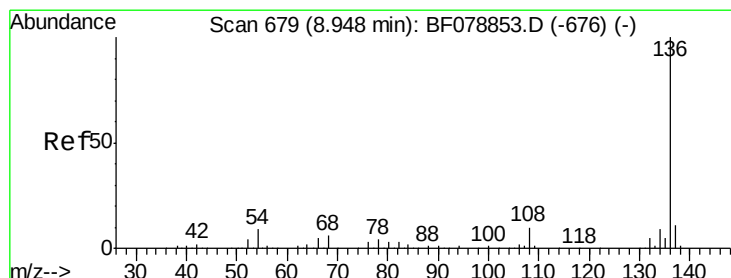
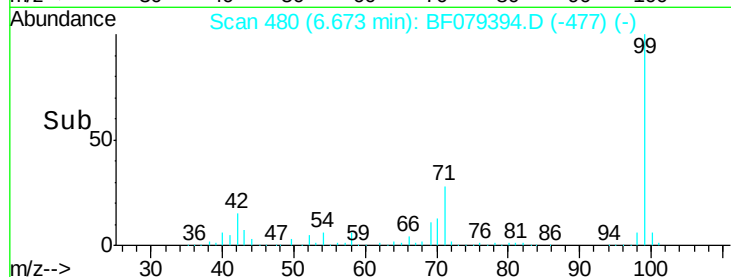
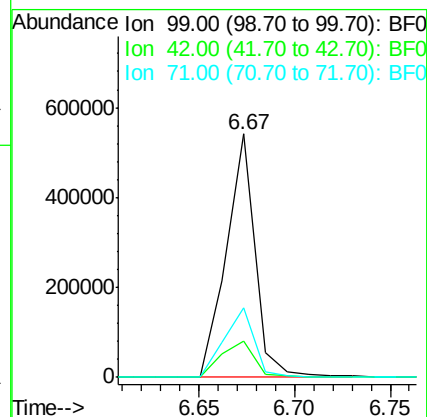
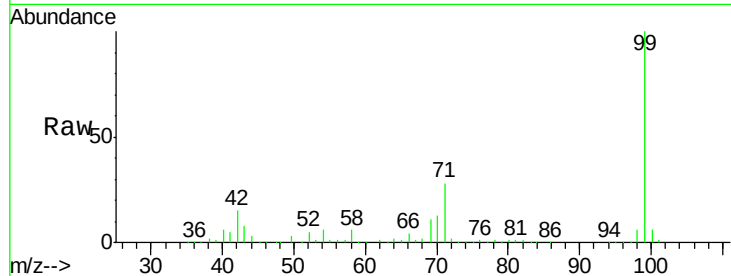
LS-SB04B(10-10.5)

Tot Ion: 99 Resp: 571783

Ion	Ratio	Lower	Upper
99	100		
42	15.1	17.1	25.7#
71	28.3	26.3	39.5

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#21

Naphthalene-d8

Concen: 20.00 ng/mL

RT: 8.66 min Scan# 654

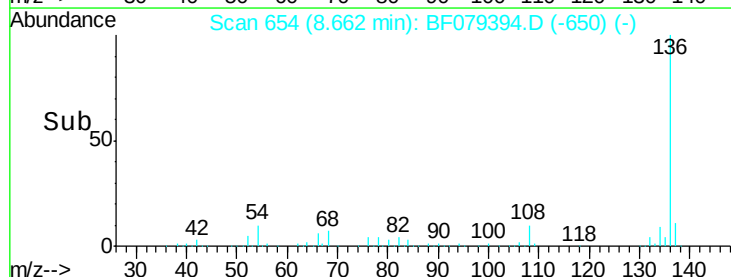
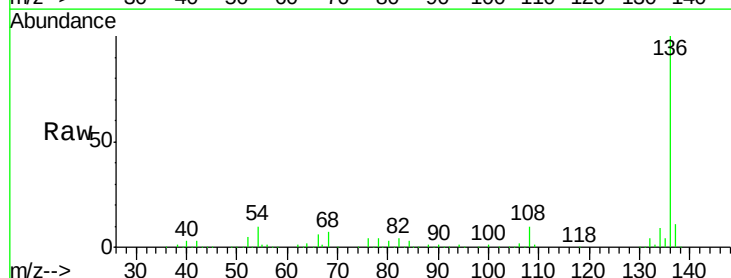
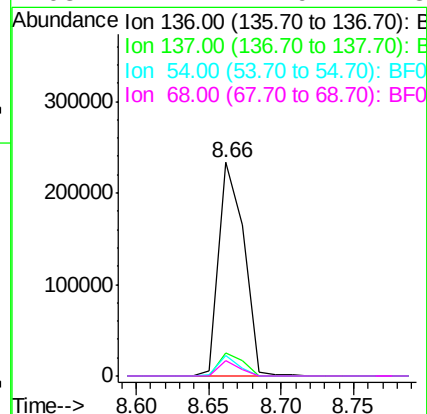
Delta R.T. -0.05 min

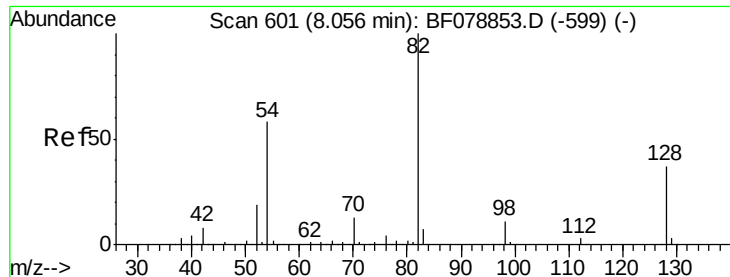
Lab File: BF079394.D

Acq: 20 May 2015 22:49

Tgt Ion: 136 Resp: 281910

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	9.6	6.9	10.3
68	7.1	4.9	7.3





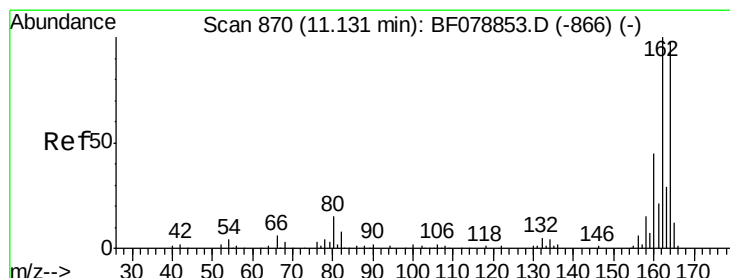
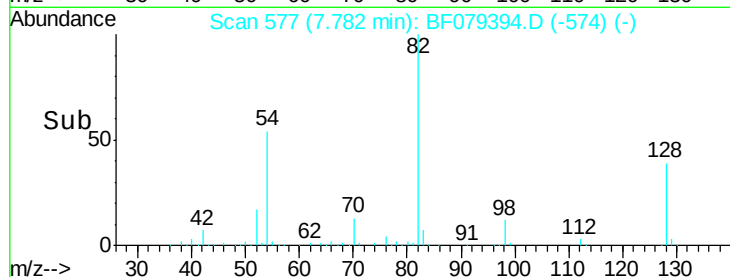
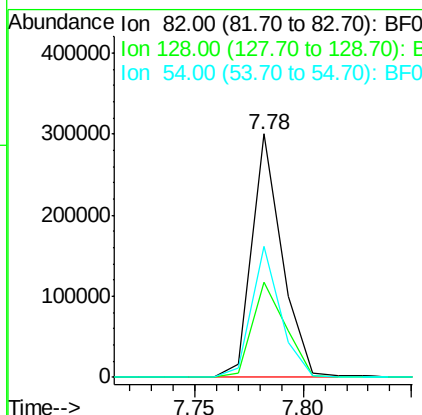
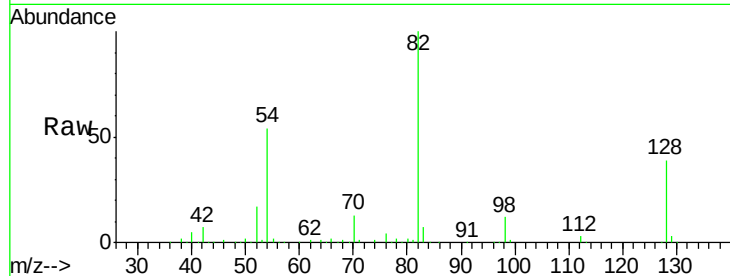
#23
 Nitrobenzene-d5
 Concen: 59.26 ng
 RT: 7.78 min Scan# 577
 Delta R.T. -0.05 min
 Lab File: BF079394.D
 Acq: 20 May 2015 22:49

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB04B(10-10.5)

Tot Ion	82	Resp	290682
Ion Ratio	Lower	Upper	
82	100		
128	39.2	29.7	44.5
54	53.7	46.2	69.4

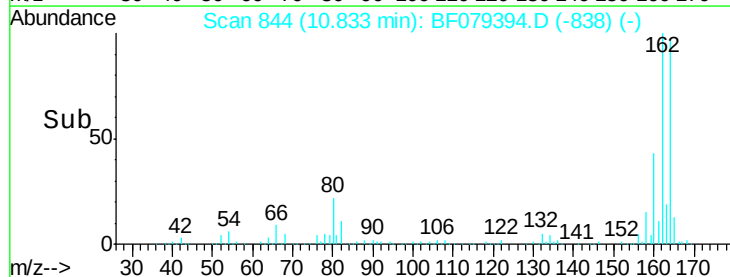
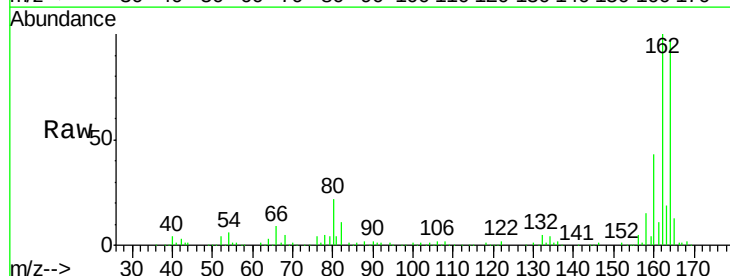
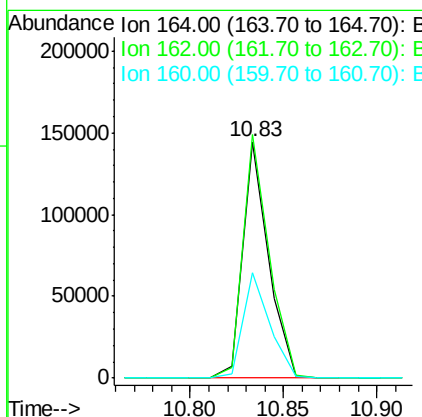
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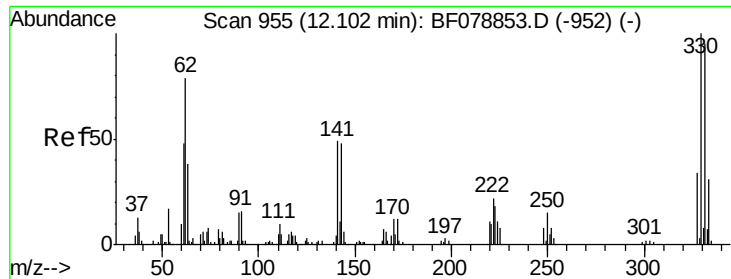
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.83 min Scan# 844
 Delta R.T. -0.05 min
 Lab File: BF079394.D
 Acq: 20 May 2015 22:49

Tgt Ion	164	Resp	138076
Ion Ratio	Lower	Upper	
164	100		
162	102.9	81.4	122.0
160	44.3	36.6	54.8





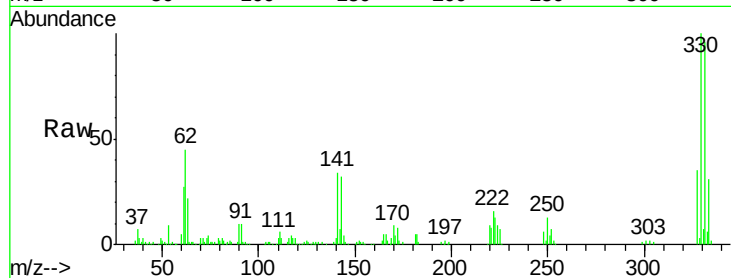
#41
 2,4,6-Tribromophenol
 Concen: 108.69 ng
 RT: 11.82 min Scan# 930
 Delta R.T. -0.05 min
 Lab File: BF079394.D
 Acq: 20 May 2015 22:49

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB04B(10-10.5)

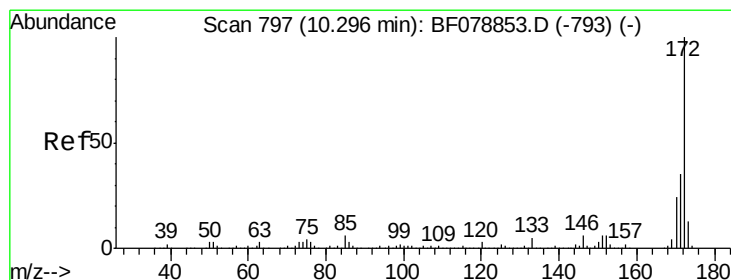
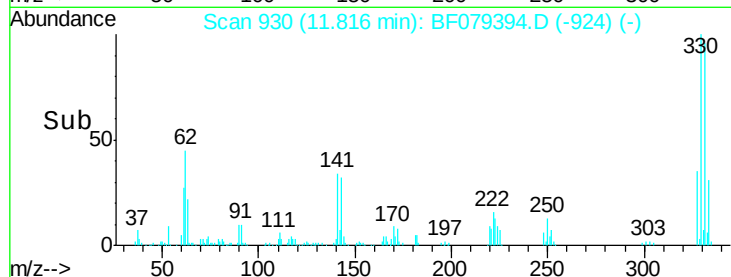
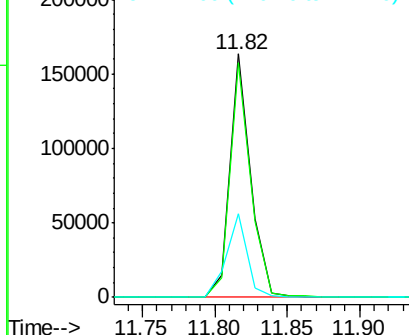
Tot Ion	Ratio	Resp	Lower	Upper
330	100	162358		
332	95.9	76.9	115.3	
141	34.6	27.8	41.8	

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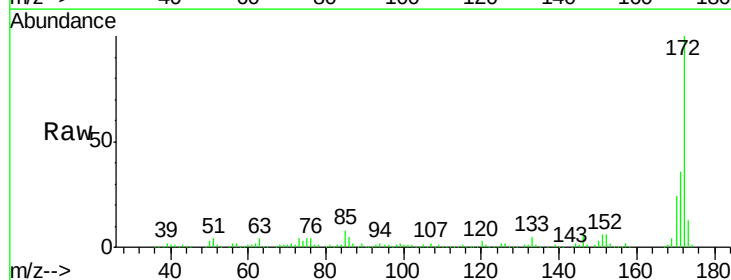


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

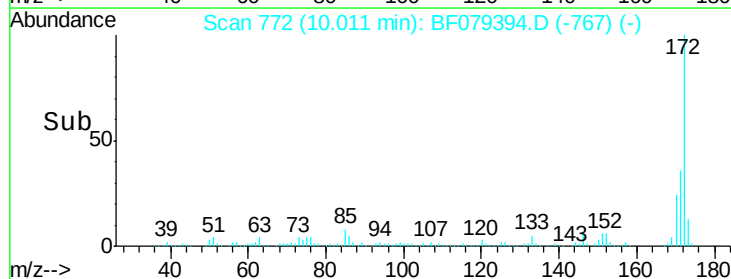
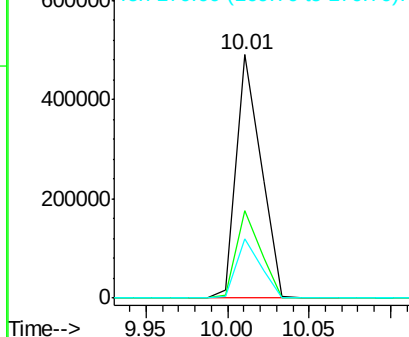


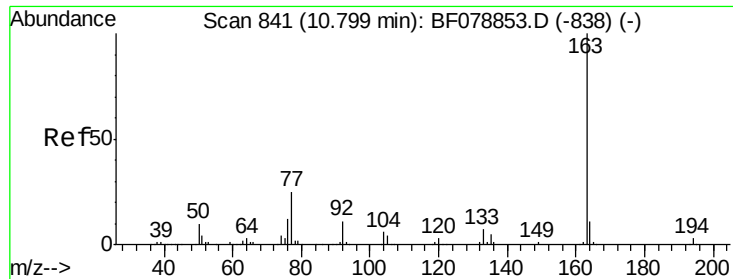
#44
 2-Fluorobiphenyl
 Concen: 51.92 ng
 RT: 10.01 min Scan# 772
 Delta R.T. -0.05 min
 Lab File: BF079394.D
 Acq: 20 May 2015 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	514591		
171	35.7	28.3	42.5	
170	24.4	19.4	29.2	



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





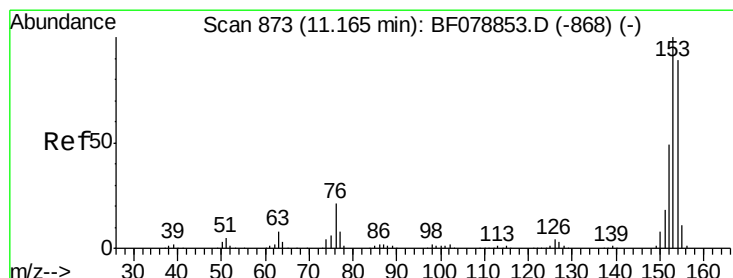
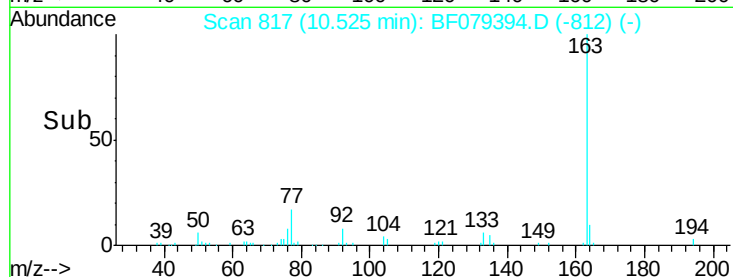
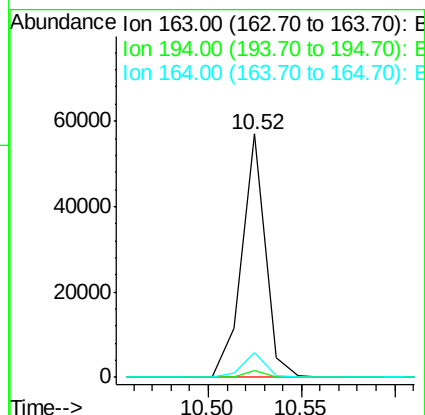
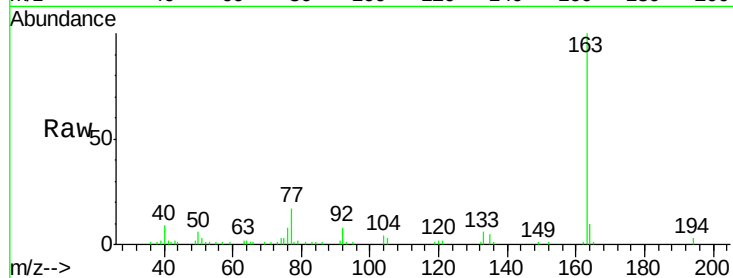
#49
Dimethylphthalate
Concen: 4.96 ng
RT: 10.52 min Scan# 817
Delta R.T. -0.05 min
Lab File: BF079394.D
Acq: 20 May 2015 22:49

Instrument :
BNA_F
ClientSampleId :
LS-SB04B(10-10.5)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	50278		
194	2.8		2.4	3.6
164	10.1		8.6	12.8

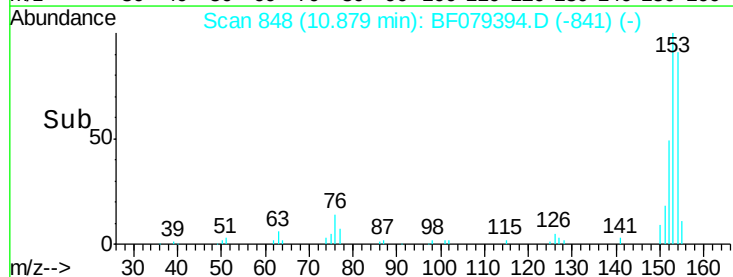
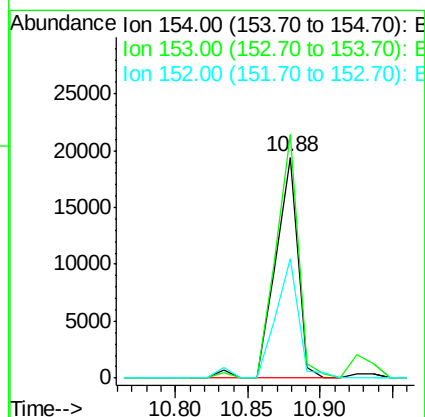
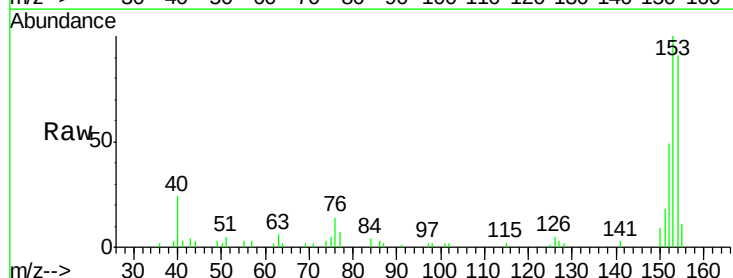
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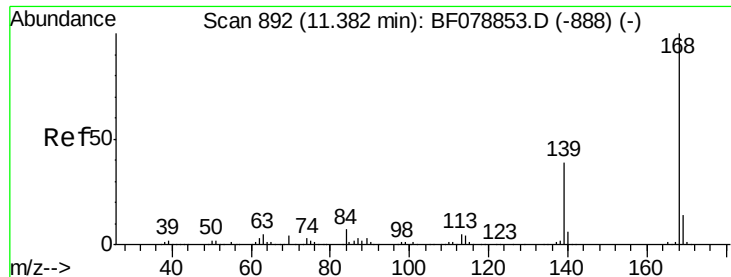
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#51
Acenaphthene
Concen: 2.47 ng
RT: 10.88 min Scan# 848
Delta R.T. -0.03 min
Lab File: BF079394.D
Acq: 20 May 2015 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	20698		
153	110.3		90.2	135.2
152	54.3		43.8	65.8





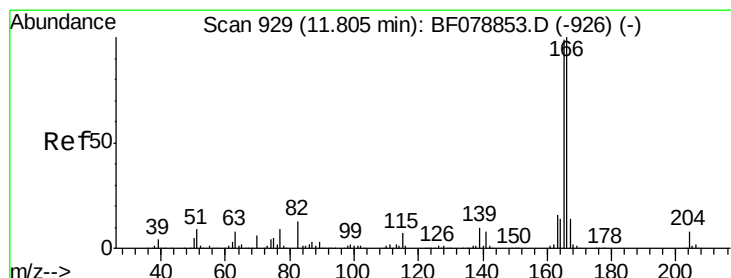
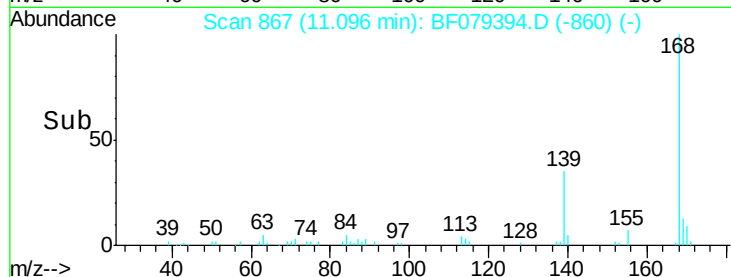
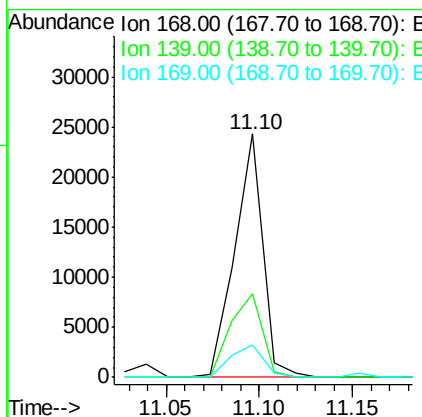
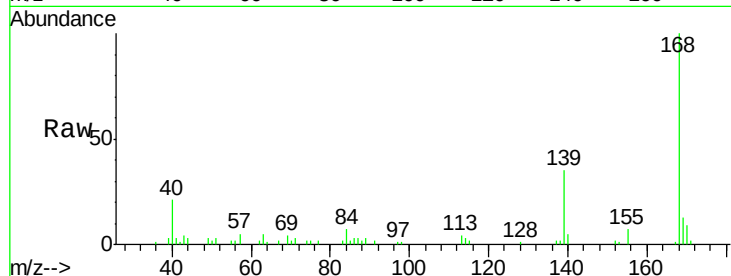
#54
Dibenzenofuran
Concen: 2.12 ng
RT: 11.10 min Scan# 867
Delta R.T. -0.03 min
Lab File: BF079394.D
Acq: 20 May 2015 22:49

Instrument :
BNA_F
ClientSampleId :
LS-SB04B(10-10.5)

Tot Ion	Ratio	Lower	Upper
168	100		
139	34.5	31.5	47.3
169	13.4	11.0	16.4

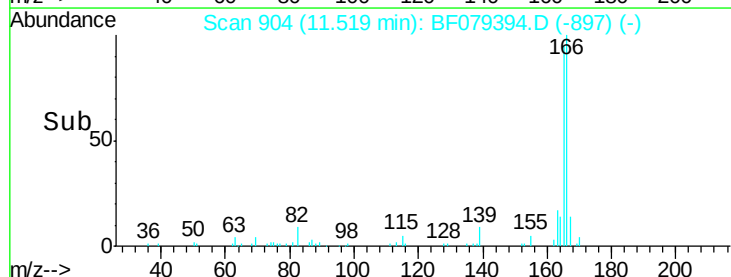
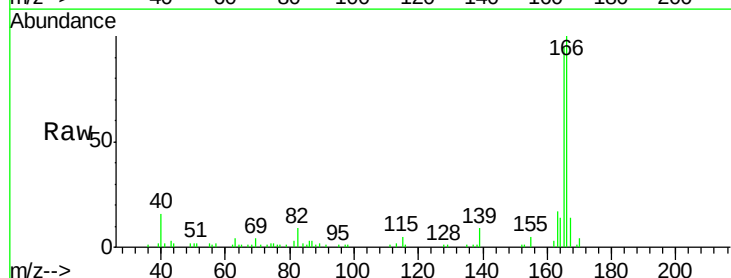
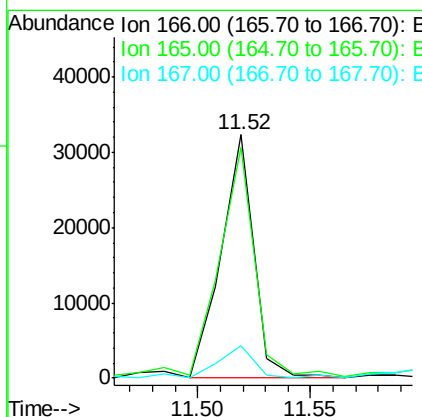
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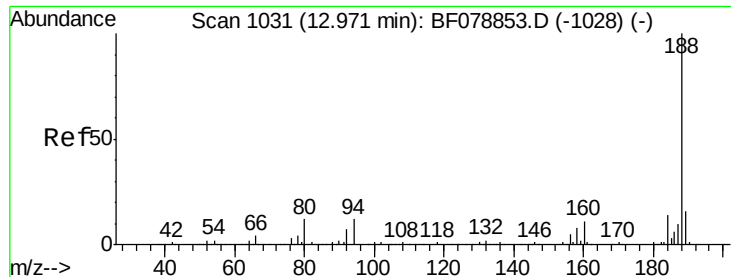
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#57
Fluorene
Concen: 3.31 ng m
RT: 11.52 min Scan# 904
Delta R.T. -0.03 min
Lab File: BF079394.D
Acq: 20 May 2015 22:49

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.8	79.5	119.3
167	13.5	11.0	16.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.67 min Scan# 1005

Delta R.T. -0.05 min

Lab File: BF079394.D

Acq: 20 May 2015 22:49

Instrument :

BNA_F

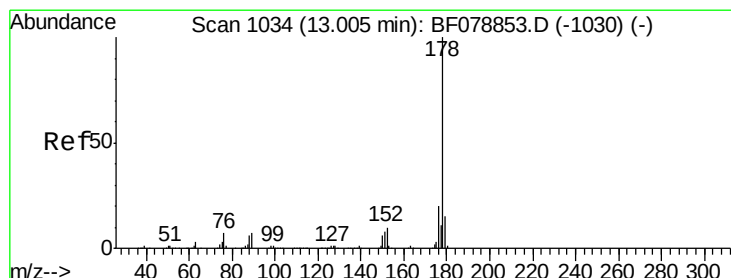
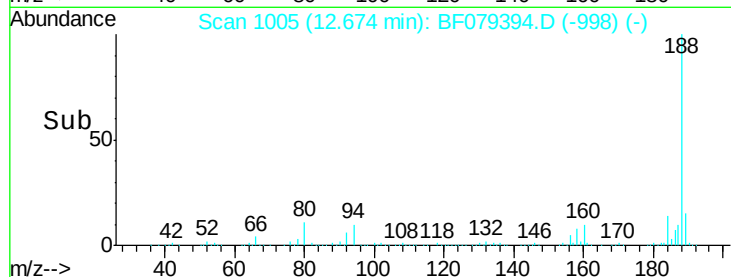
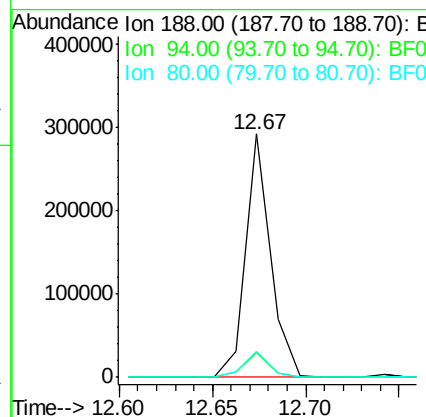
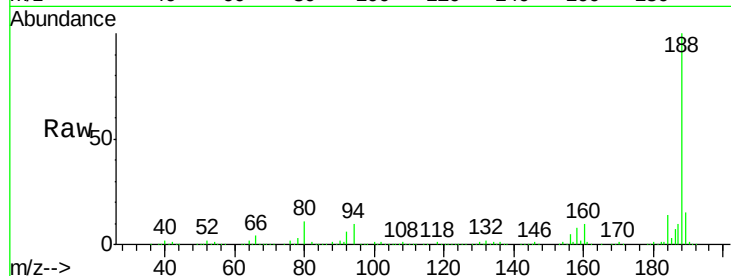
ClientSampleId :

LS-SB04B(10-10.5)

Tot Ion:	188	Resp:	272262
Ion Ratio	Lower	Upper	
188	100		
94	9.9	9.4	14.0
80	10.6	9.8	14.6

Manual Integrations
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#70

Phenanthrene

Concen: 14.49 ng

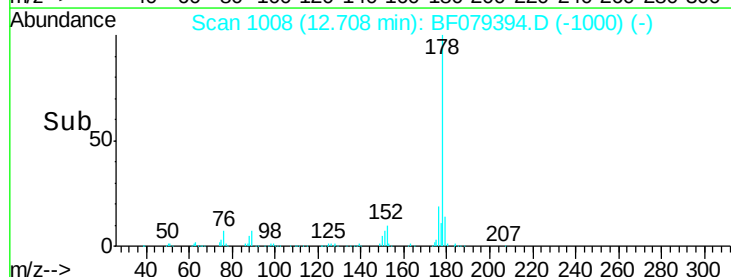
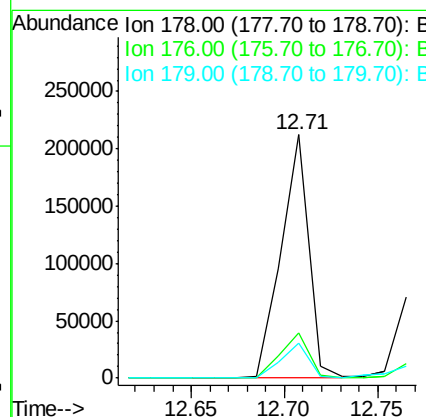
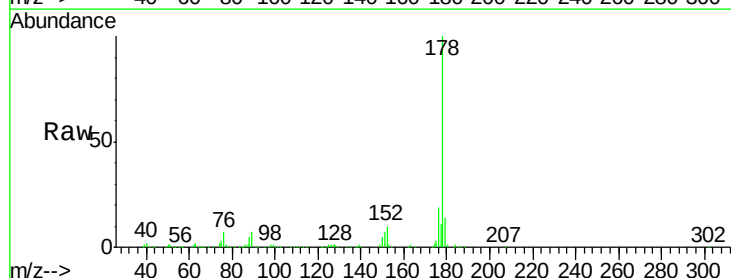
RT: 12.71 min Scan# 1008

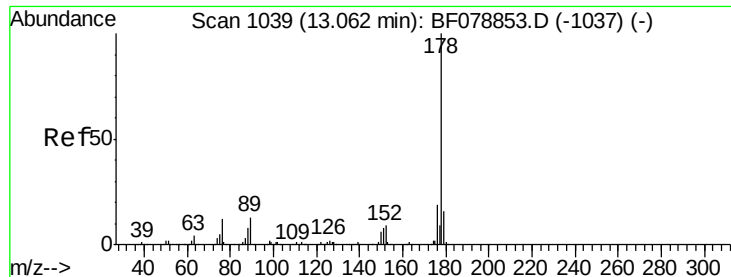
Delta R.T. -0.03 min

Lab File: BF079394.D

Acq: 20 May 2015 22:49

Tgt Ion:	178	Resp:	220779
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.9	23.9
179	14.5	12.2	18.4





#71

Anthracene

Concen: 4.87 ng

RT: 12.77 min Scan# 1013

Delta R.T. -0.05 min

Lab File: BF079394.D

Acq: 20 May 2015 22:49

Instrument :

BNA_F

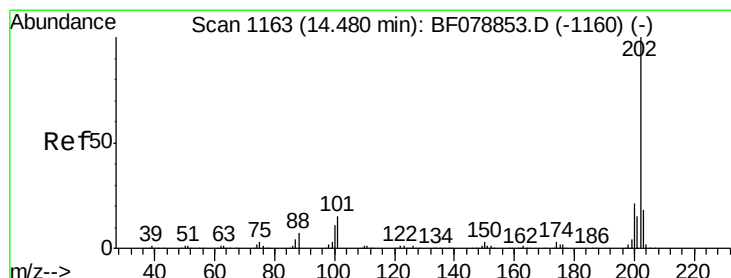
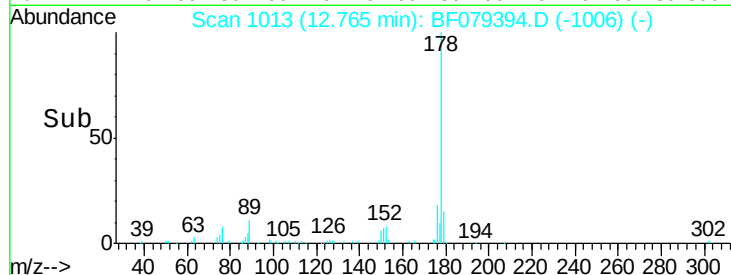
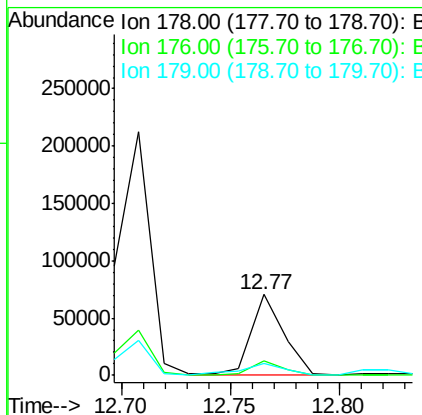
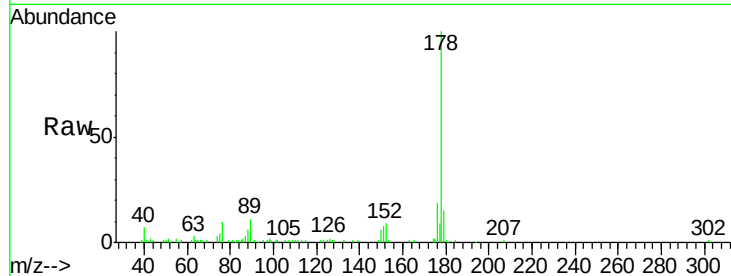
ClientSampleId :

LS-SB04B(10-10.5)

Tot Ion:	178	Resp:	72764
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.3	22.9
179	15.1	12.6	19.0

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#74

Fluoranthene

Concen: 12.04 ng

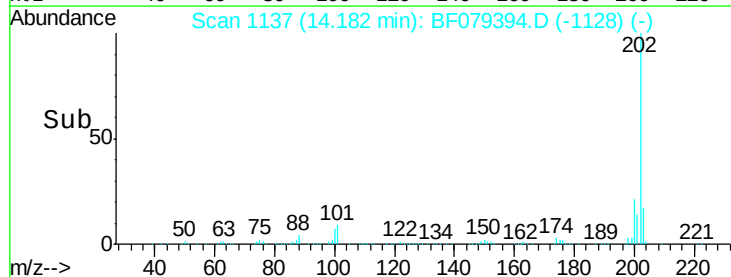
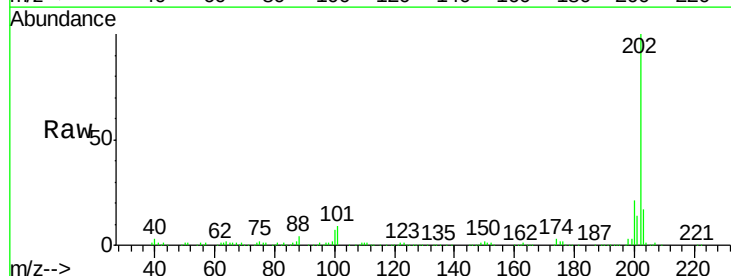
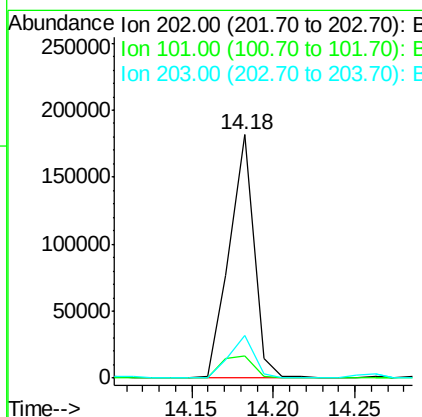
RT: 14.18 min Scan# 1137

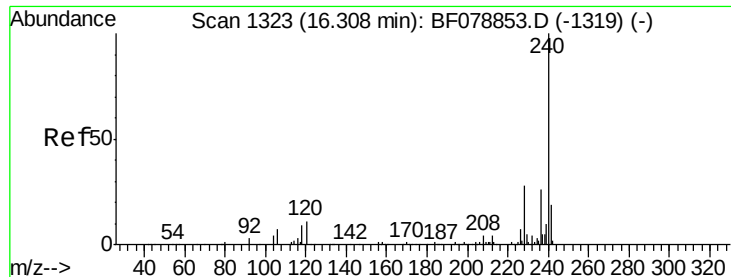
Delta R.T. -0.05 min

Lab File: BF079394.D

Acq: 20 May 2015 22:49

Tgt Ion:	202	Resp:	191120
Ion Ratio	Lower	Upper	
202	100		
101	9.3	0.0	34.7
203	17.3	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.97 min Scan# 1293

Delta R.T. -0.06 min

Lab File: BF079394.D

Acq: 20 May 2015 22:49

Instrument :

BNA_F

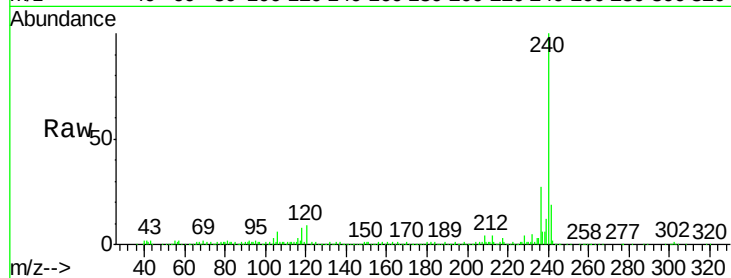
ClientSampleId :

LS-SB04B(10-10.5)

Tot Ion:	240	Resp:	284996
Ion Ratio	Lower	Upper	
240	100		
120	8.9	8.6	12.8
236	27.0	21.0	31.6

Manual Integrations
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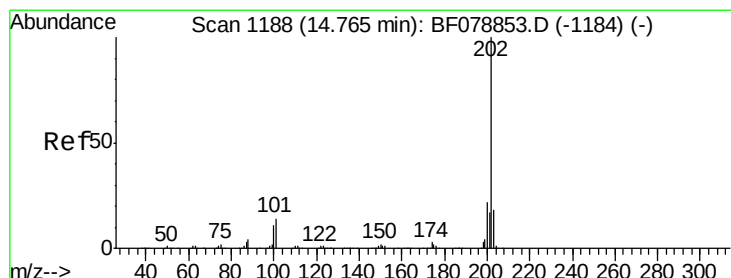
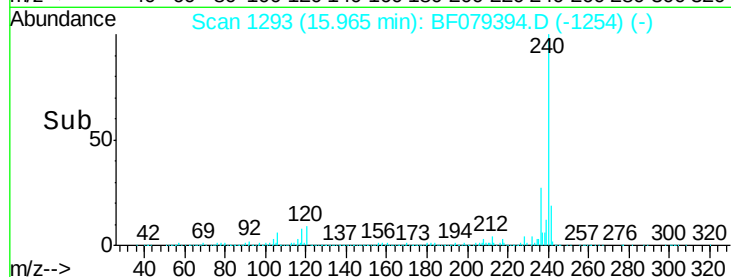
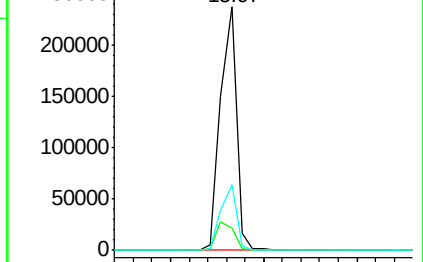


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

15.97



#77

Pyrene

Concen: 10.75 ng

RT: 14.46 min Scan# 1161

Delta R.T. -0.05 min

Lab File: BF079394.D

Acq: 20 May 2015 22:49

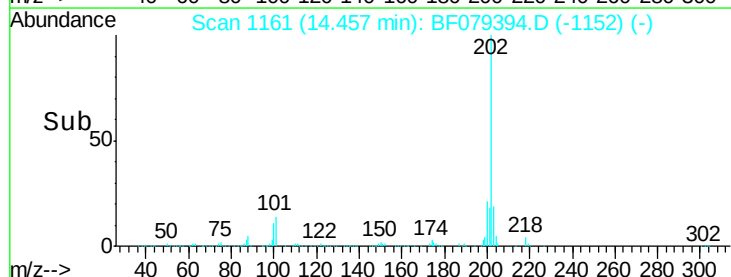
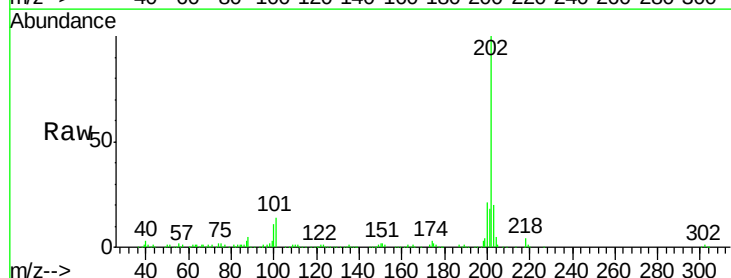
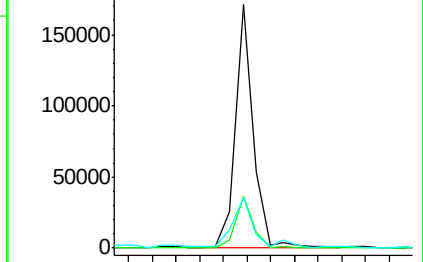
Tgt Ion:	202	Resp:	176621
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.5	26.3
203	20.4	14.7	22.1

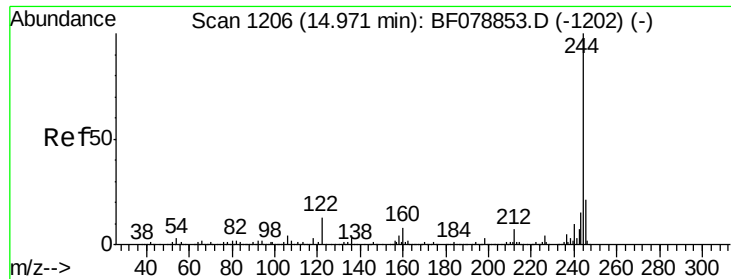
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

14.46





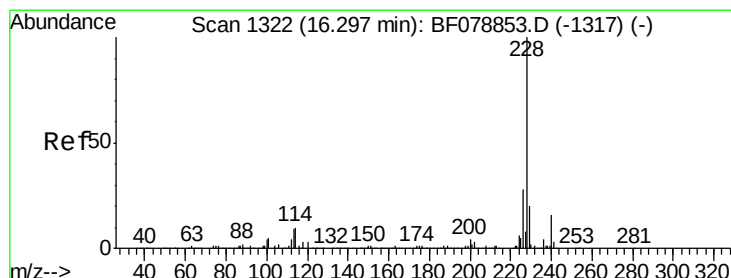
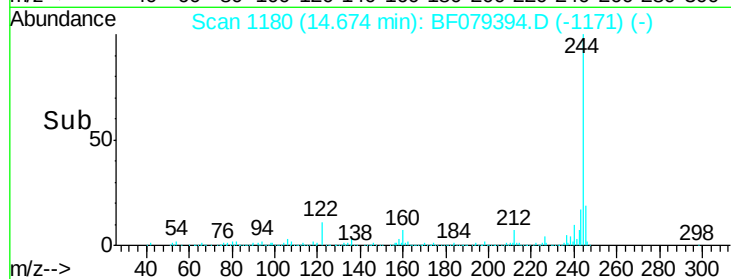
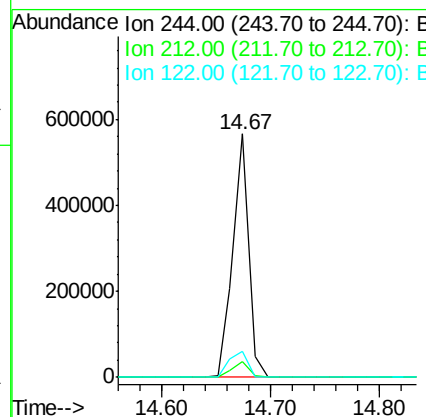
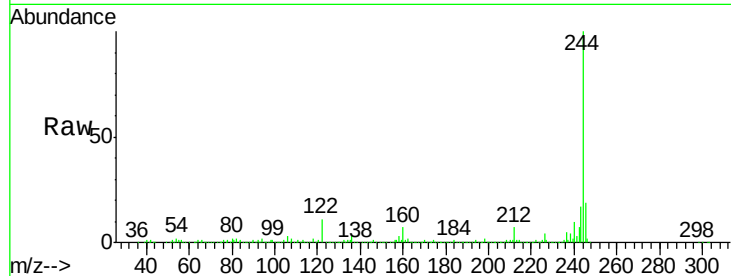
#78
 Terphenyl-d14
 Concen: 47.85 ng
 RT: 14.67 min Scan# 1180
 Delta R.T. -0.05 min
 Lab File: BF079394.D
 Acq: 20 May 2015 22:49

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB04B(10-10.5)

Tot Ion	Ratio	Resp	Lower	Upper
244	100	569598		
212	6.7	5.6	8.4	
122	10.6	10.5	15.7	

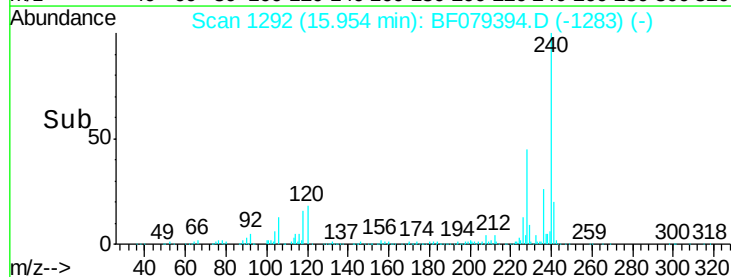
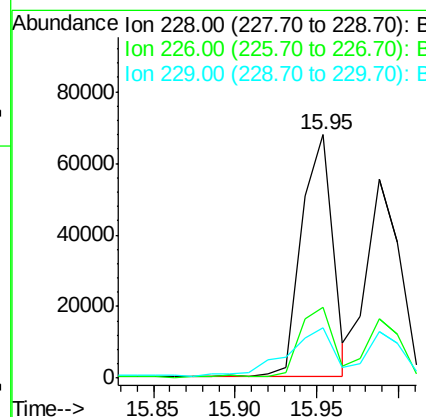
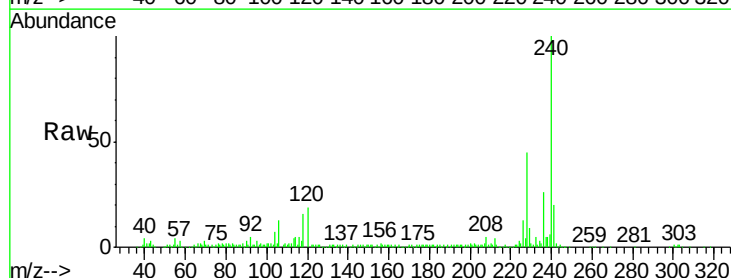
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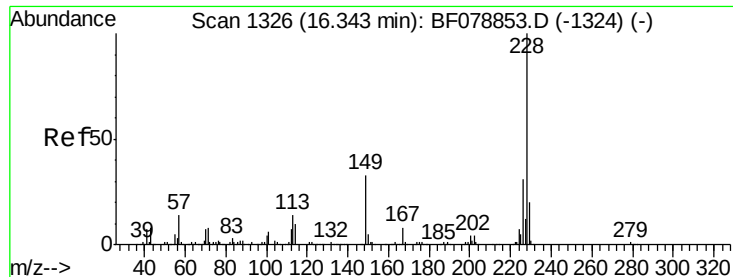
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#80
 Benzo(a)anthracene
 Concen: 5.81 ng
 RT: 15.95 min Scan# 1292
 Delta R.T. -0.06 min
 Lab File: BF079394.D
 Acq: 20 May 2015 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	90623		
226	29.0	22.3	33.5	
229	20.5	16.1	24.1	





#82

Chrysene

Concen: 5.35 ng m

RT: 15.99 min Scan# 1295

Delta R.T. -0.07 min

Lab File: BF079394.D

Acq: 20 May 2015 22:49

Instrument :

BNA_F

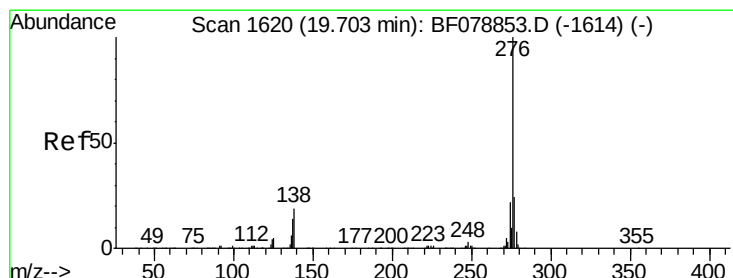
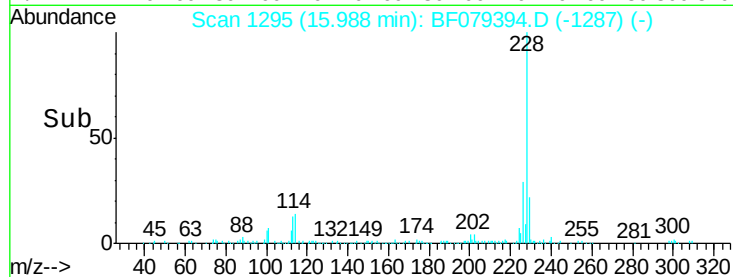
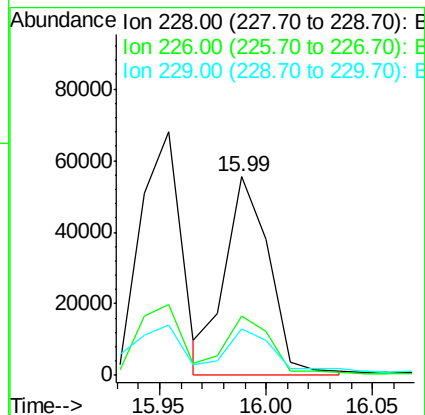
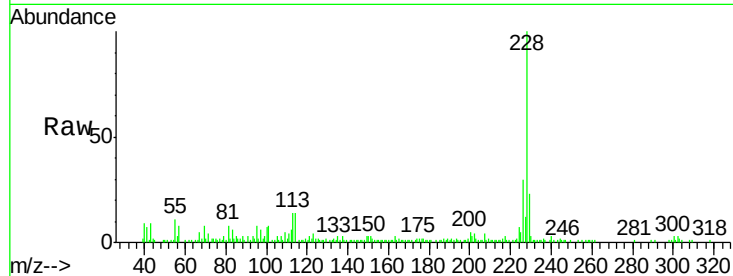
ClientSampleId :

LS-SB04B(10-10.5)

Tot Ion:	228	Resp:	80317
Ion Ratio		Lower	Upper
228	100		
226	30.0	24.8	37.2
229	23.4	16.1	24.1

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.65 ng m

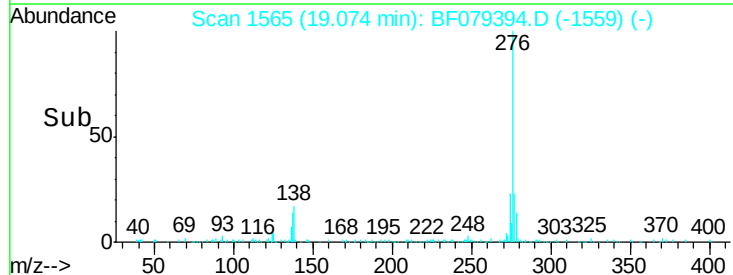
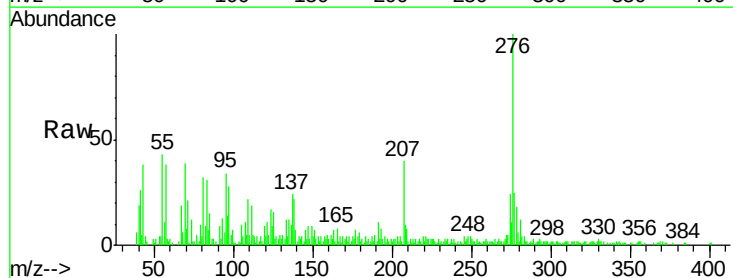
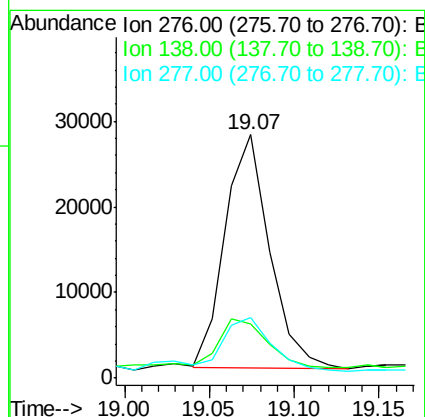
RT: 19.07 min Scan# 1565

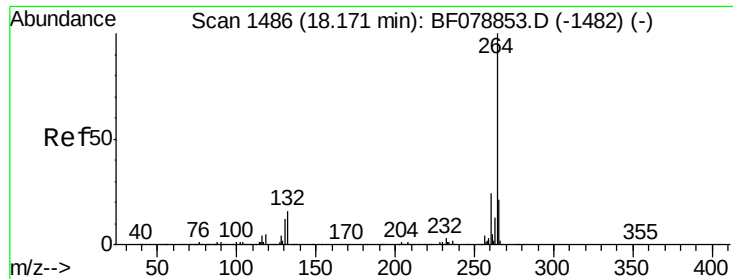
Delta R.T. -0.14 min

Lab File: BF079394.D

Acq: 20 May 2015 22:49

Tgt Ion:	276	Resp:	50608
Ion Ratio		Lower	Upper
276	100		
138	0.0	21.1	31.7#
277	0.0	19.9	29.9#





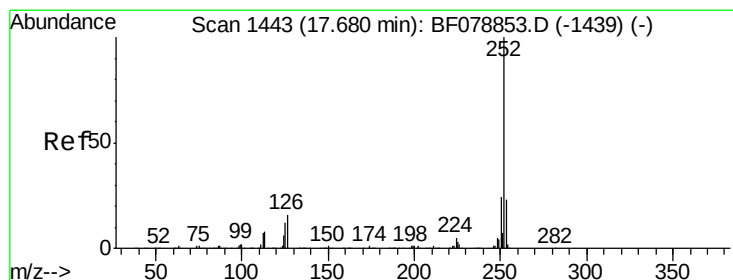
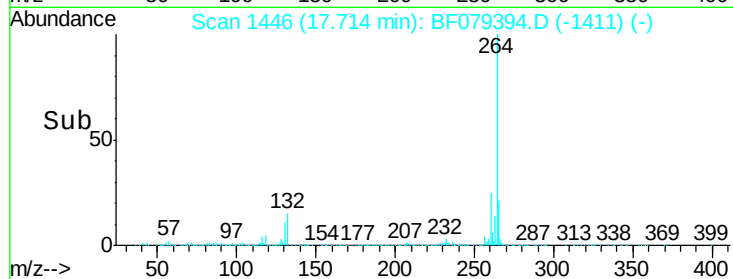
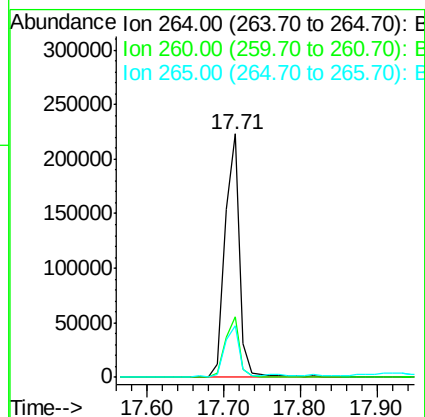
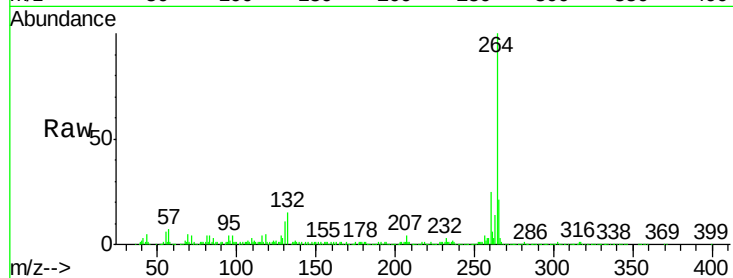
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.71 min Scan# 1446
Delta R.T. -0.10 min
Lab File: BF079394.D
Acq: 20 May 2015 22:49

Instrument :
BNA_F
ClientSampleId :
LS-SB04B(10-10.5)

Tot Ion	Ratio	Resp	Lower	Upper
264	100	296425		
260	24.9	19.2	28.8	
265	21.3	17.2	25.8	

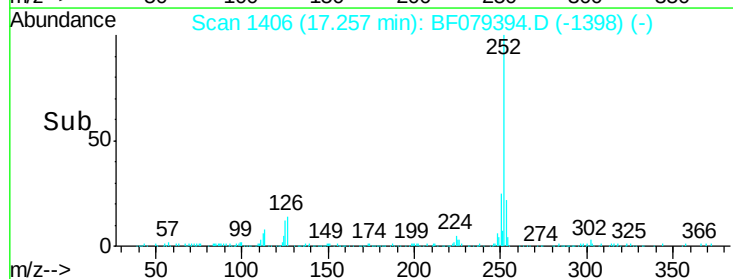
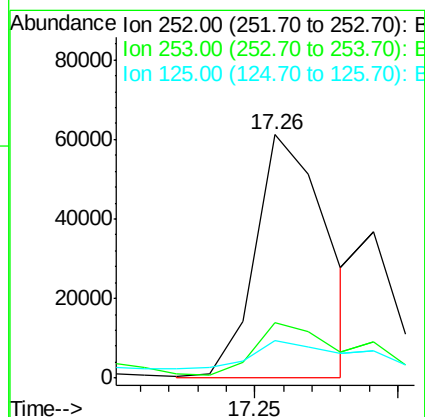
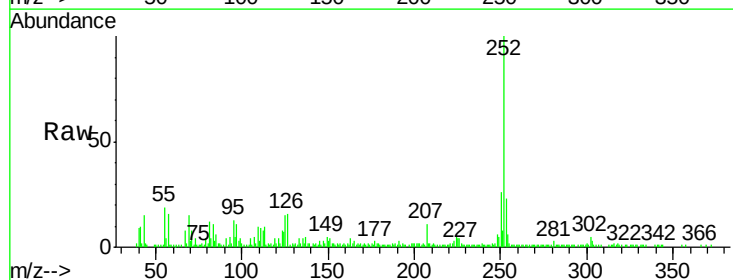
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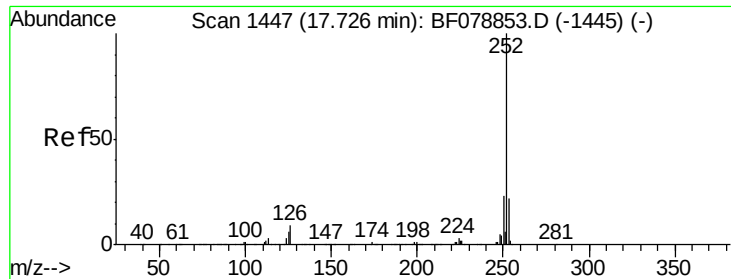
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#87
Benzo(b)fluoranthene
Concen: 6.57 ng m
RT: 17.26 min Scan# 1406
Delta R.T. -0.09 min
Lab File: BF079394.D
Acq: 20 May 2015 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	106557		
253	22.6	18.1	27.1	
125	15.5	9.4	14.2	





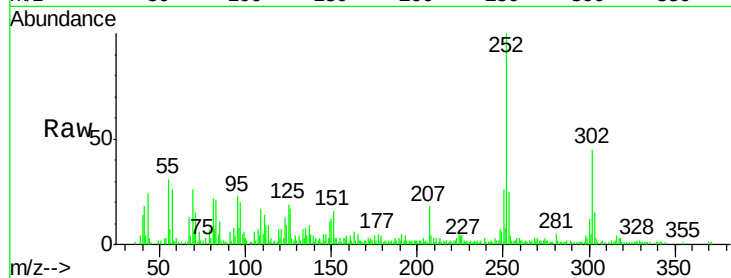
#88
Benzo(k)fluoranthene
Concen: 2.29 ng
RT: 17.29 min Scan# 1409
Delta R.T. -0.09 min
Lab File: BF079394.D
Acq: 20 May 2015 22:49

Instrument :
BNA_F
ClientSampleId :
LS-SB04B(10-10.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.4	26.0
125	18.8	6.1	9.1

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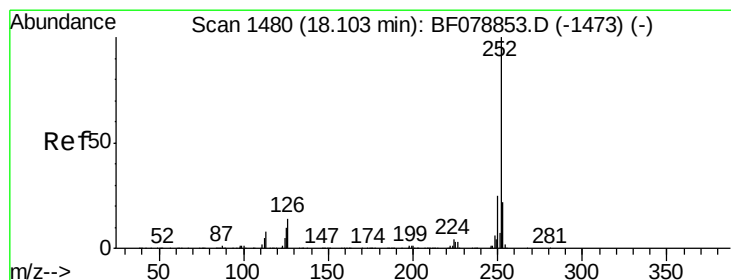
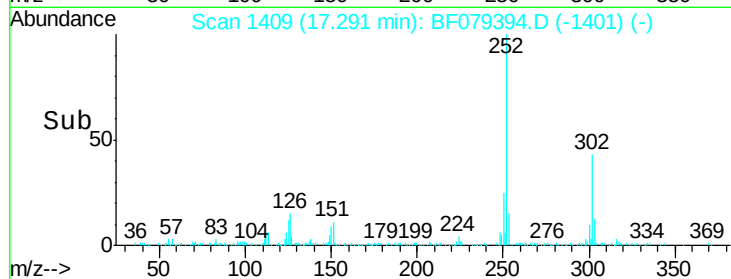
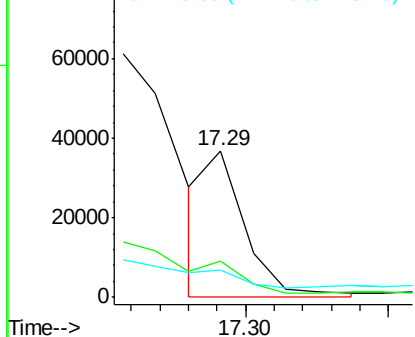


Abundance

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



#89
Benzo(a)pyrene
Concen: 5.64 ng
RT: 17.65 min Scan# 1440
Delta R.T. -0.10 min
Lab File: BF079394.D
Acq: 20 May 2015 22:49

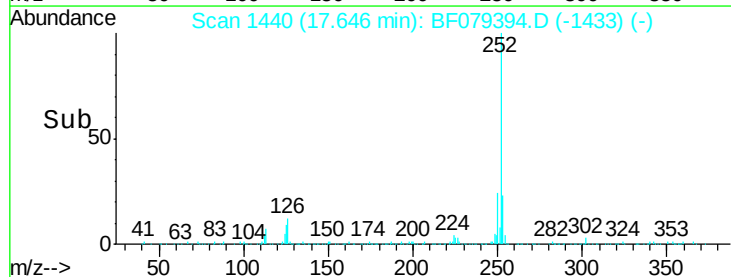
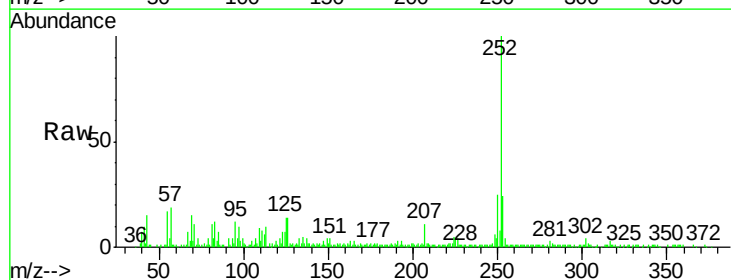
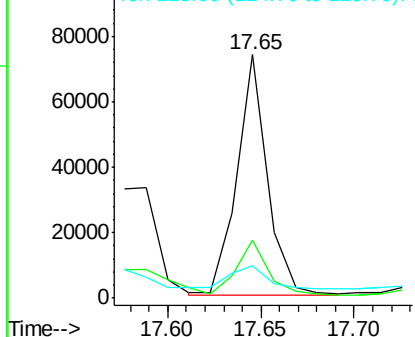
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	13.6	8.2	12.2

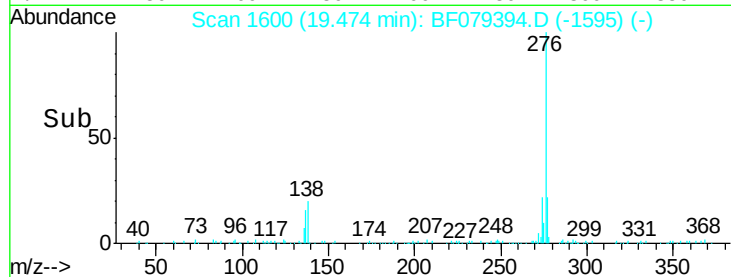
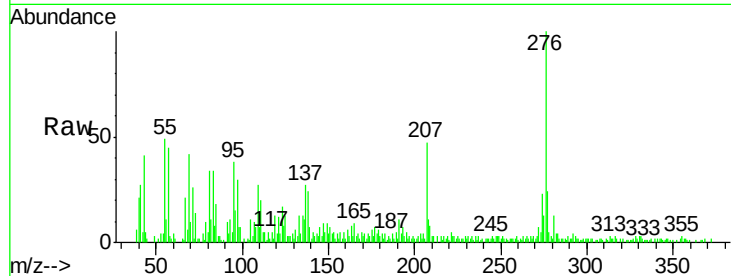
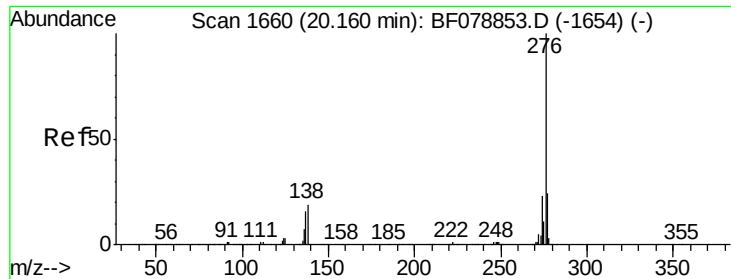
Abundance

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(a,h,i)perylene
 Concen: 3.19 ng
 RT: 19.47 min Scan# 1600
 Delta R.T. -0.15 min
 Lab File: BF079394.D
 Acq: 20 May 2015 22:49

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB04B(10-10.5)

Tot Ion	Ratio	Resp	Lower	Upper
276	100	50714		
277	24.2		18.8	28.2
138	23.9		15.2	22.8

Manual Integrations
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