

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
 Data File : BF079461.D
 Acq On : 23 May 2015 7:26
 Operator : TP/IZ
 Sample : G2289-14 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-32D

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Quant Time: May 25 07:10:07 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 25 06:56:43 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.05	152	71885	20.00	ng	0.00
21) Naphthalene-d8	8.63	136	286404	20.00	ng	0.00
38) Acenaphthene-d10	10.80	164	135715	20.00	ng	0.00
63) Phenanthrene-d10	12.63	188	254045	20.00	ng	0.00
75) Chrysene-d12	15.92	240	258683	20.00	ng	0.01
86) Perylene-d12	17.70	264	266479	20.00	ng	0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	77541m	18.57	ng	0.02
7) Phenol-d6	6.64	99	110960m	20.10	ng	0.01
23) Nitrobenzene-d5	7.75	82	17292	3.47	ng	0.00
41) 2,4,6-Tribromophenol	11.78	330	10954	7.46	ng	0.00
44) 2-Fluorobiphenyl	9.98	172	116471	11.96	ng	0.00
78) Terphenyl-d14	14.63	244	126986	11.75	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	10.83	154	35228	4.28	ng	99
54) Dibenzofuran	11.05	168	42874	3.60	ng	97
57) Fluorene	11.47	166	56363	5.77	ng	100
70) Phenanthrene	12.66	178	549338	38.65	ng	100
71) Anthracene	12.73	178	185337	13.29	ng	100
74) Fluoranthene	14.14	202	678227	45.80	ng	97
77) Pyrene	14.41	202	590919	39.64	ng	97
80) Benzo(a)anthracene	15.91	228	272629	19.25	ng	98
82) Chrysene	15.95	228	210922	15.48	ng	98
85) Indeno(1,2,3-cd)pyrene	19.06	276	129557m	7.46	ng	
87) Benzo(b)fluoranthene	17.25	252	299732m	20.55	ng	
88) Benzo(k)fluoranthene	17.28	252	80864m	5.73	ng	
89) Benzo(a)pyrene	17.65	252	218088	16.24	ng	99
90) Dibenzo(a,h)anthracene	19.09	278	33836	2.37	ng	# 76
91) Benzo(a,h,i)perylene	19.46	276	135306	9.46	ng	95

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

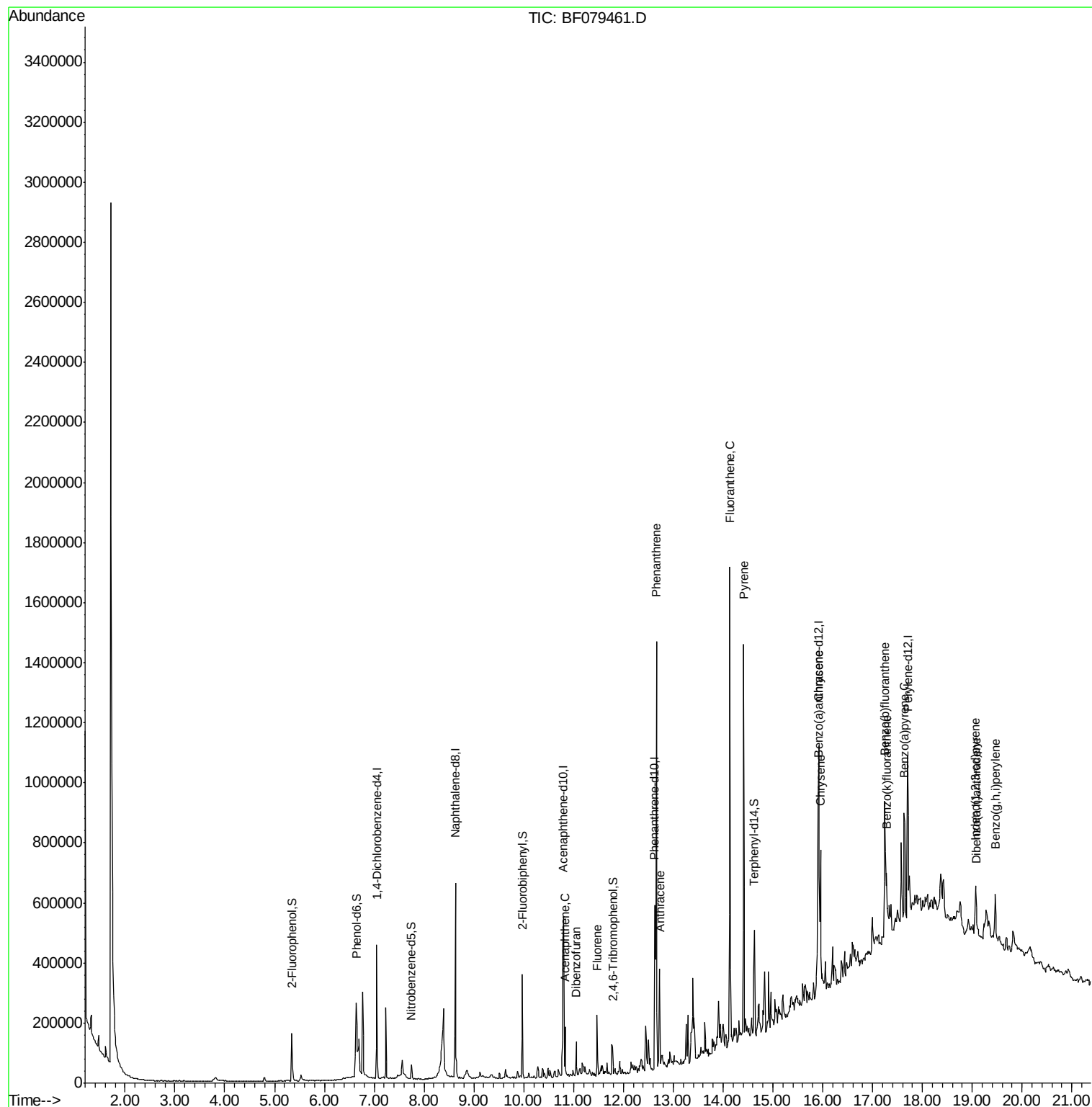
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079461.D
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ALS Vial : 29 Sample Multiplier: 1

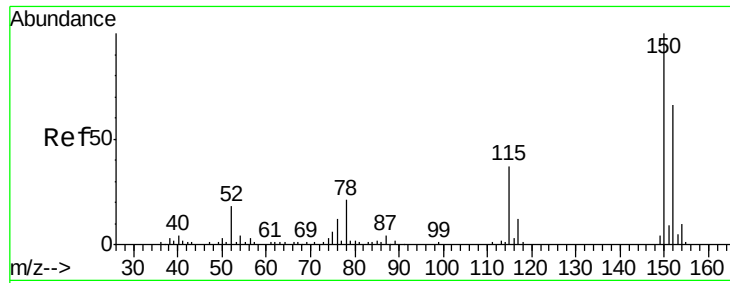
Instrument :
BNA_F
ClientSampled :
SB-32D

Quant Time: May 25 07:10:07 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
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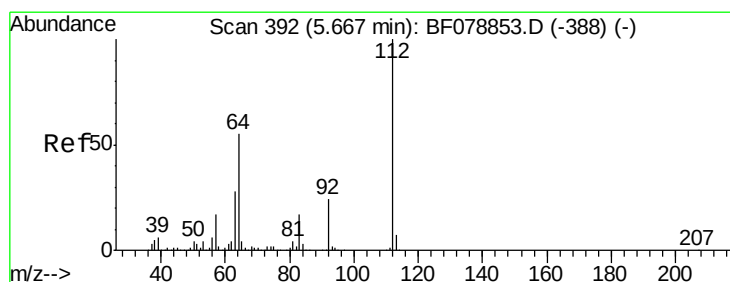
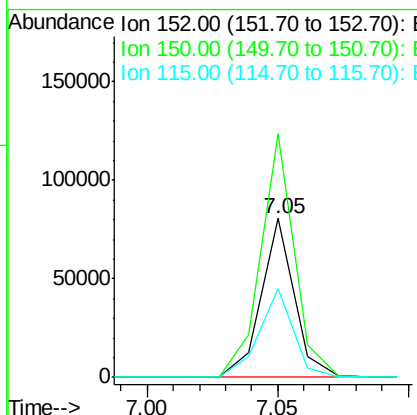
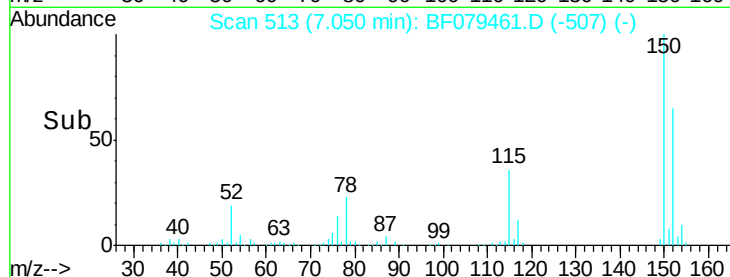
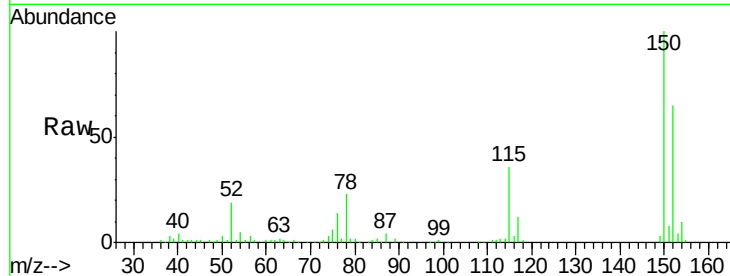
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.05 min Scan# 513
 Delta R.T. -0.00 min
 Lab File: BF079461.D
 Acq: 23 May 2015 7:26

Instrument :
 BNA_F
 ClientSampleId :
 SB-32D

Tot Ion:	152	Resp:	71885
Ion Ratio	Lower	Upper	
152	100		
150	153.3	123.8	185.8
115	55.7	49.4	74.0

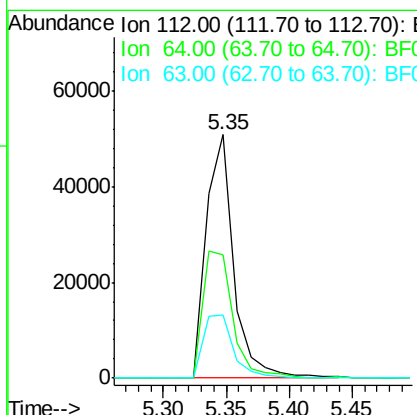
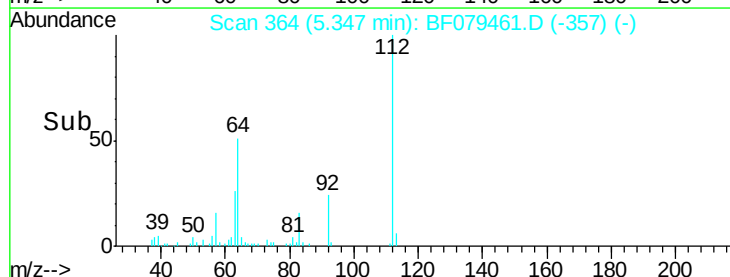
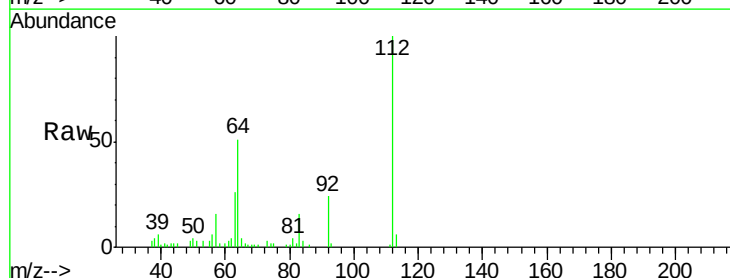
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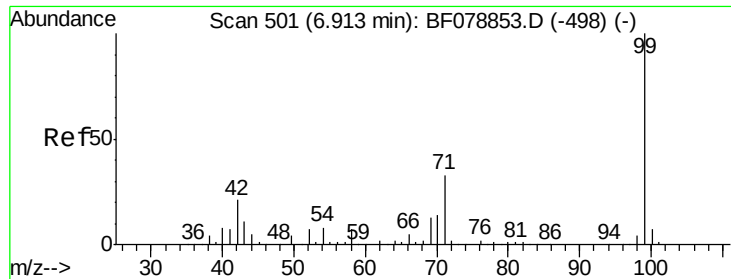
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#5
 2-Fluorophenol
 Concen: 18.57 ng m
 RT: 5.35 min Scan# 364
 Delta R.T. 0.02 min
 Lab File: BF079461.D
 Acq: 23 May 2015 7:26

Tgt Ion:	112	Resp:	77541
Ion Ratio	Lower	Upper	
112	100		
64	50.7	44.2	66.2
63	25.8	22.7	34.1





#7

Phenol-d6

Concen: 20.10 ng/mL

RT: 6.64 min Scan# 477

Delta R.T. 0.01 min

Lab File: BF079461.D

Acq: 23 May 2015 7:26

Instrument :

BNA_F

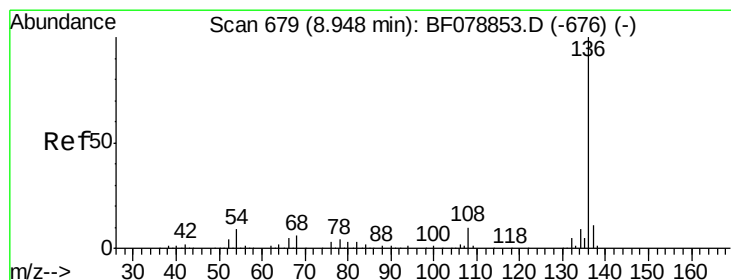
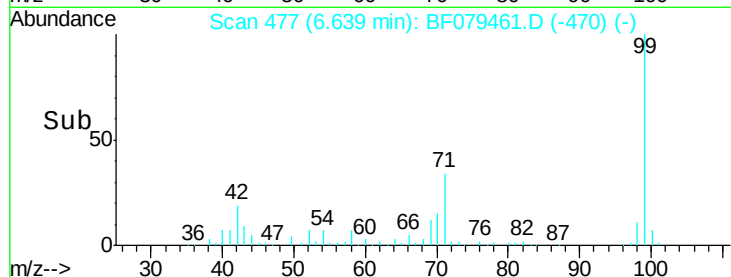
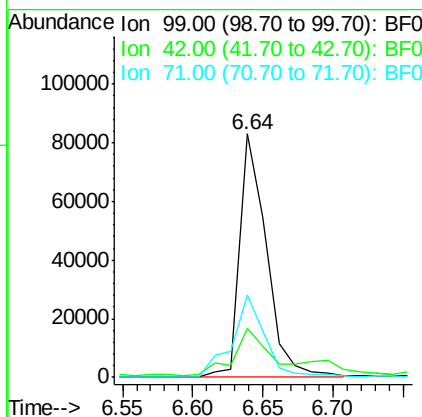
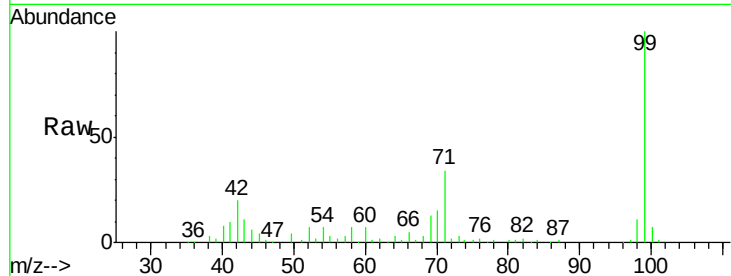
ClientSampled :

SB-32D

Tot Ion:	99	Resp:	110960
Ion Ratio	Lower	Upper	
99	100		
42	19.9	17.1	25.7
71	34.0	26.3	39.5

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#21

Naphthalene-d8

Concen: 20.00 ng/mL

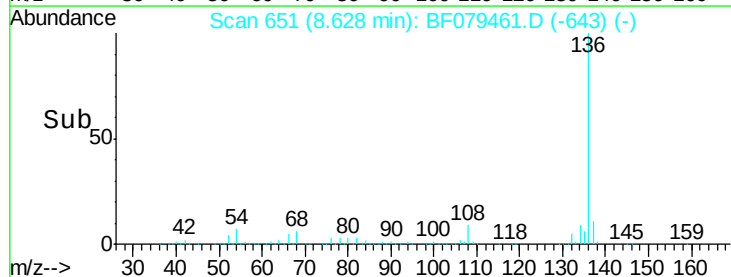
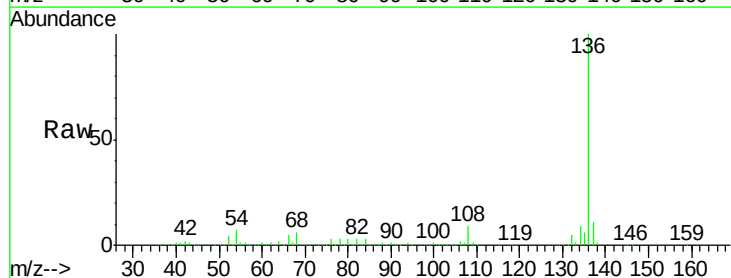
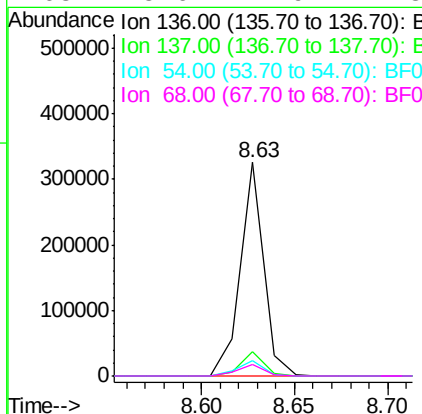
RT: 8.63 min Scan# 651

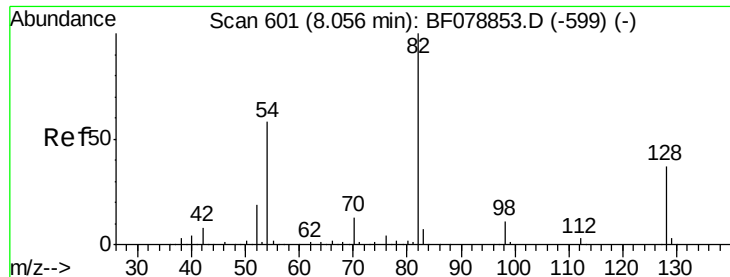
Delta R.T. -0.00 min

Lab File: BF079461.D

Acq: 23 May 2015 7:26

Tgt Ion:	136	Resp:	286404
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.8	13.2
54	7.0	6.9	10.3
68	5.6	4.9	7.3





#23

Nitrobenzene-d5

Concen: 3.47 ng

RT: 7.75 min Scan# 574

Delta R.T. -0.00 min

Lab File: BF079461.D

Acq: 23 May 2015 7:26

Instrument :

BNA_F

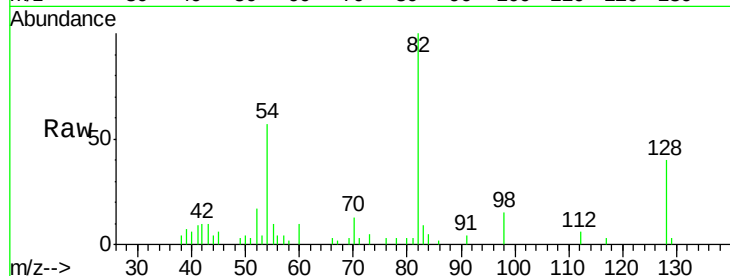
ClientSampled :

SB-32D

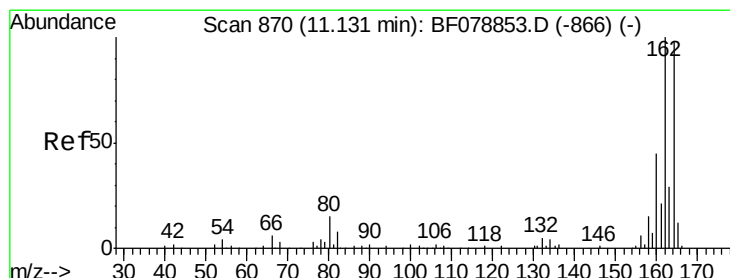
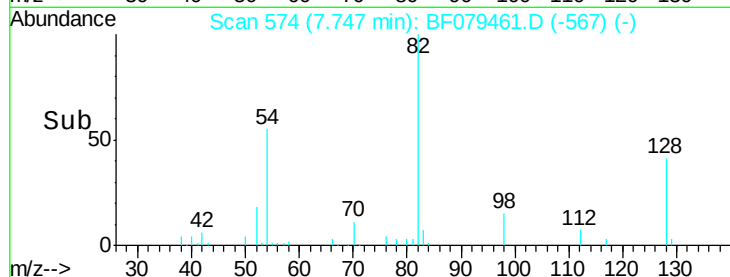
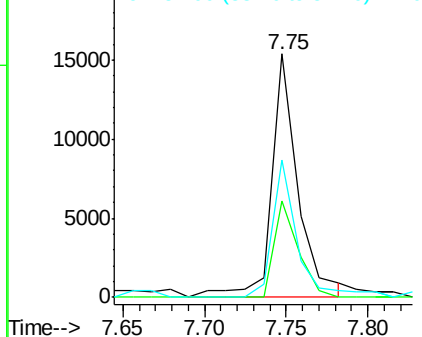
Tot Ion:	82	Resp:	17292
Ion Ratio	Lower	Upper	
82	100		
128	39.8	29.7	44.5
54	56.6	46.2	69.4

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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

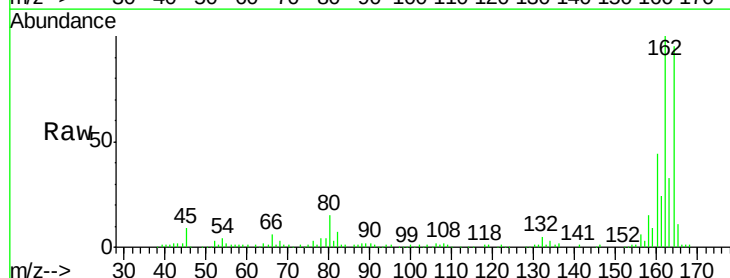
RT: 10.80 min Scan# 841

Delta R.T. -0.00 min

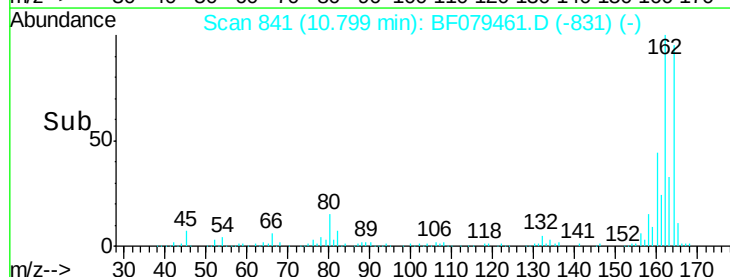
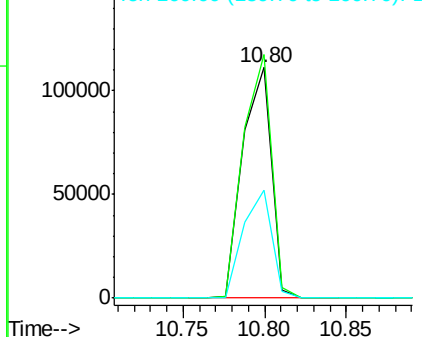
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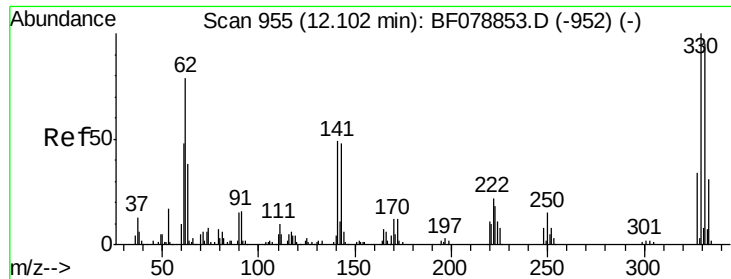
Acq: 23 May 2015 7:26

Tgt Ion:	164	Resp:	135715
Ion Ratio	Lower	Upper	
164	100		
162	105.7	81.4	122.0
160	46.9	36.6	54.8



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





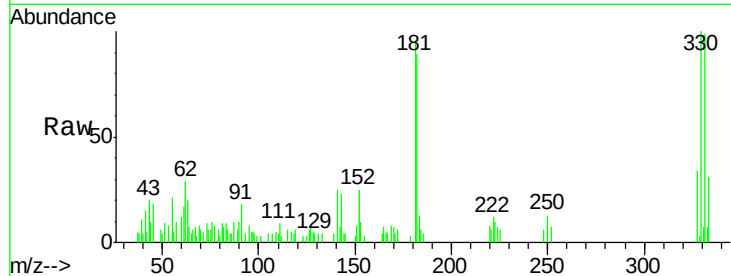
#41
 2,4,6-Tribromophenol
 Concen: 7.46 ng
 RT: 11.78 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: BF079461.D
 Acq: 23 May 2015 7:26

Instrument :
 BNA_F
 ClientSampled :
 SB-32D

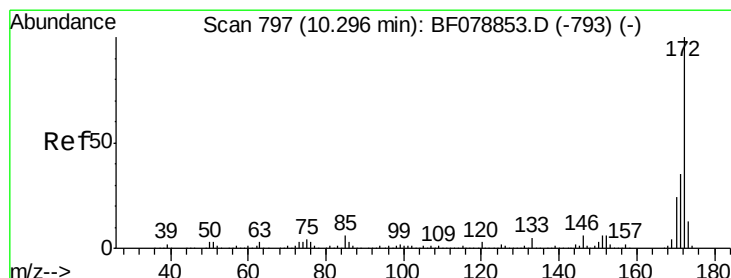
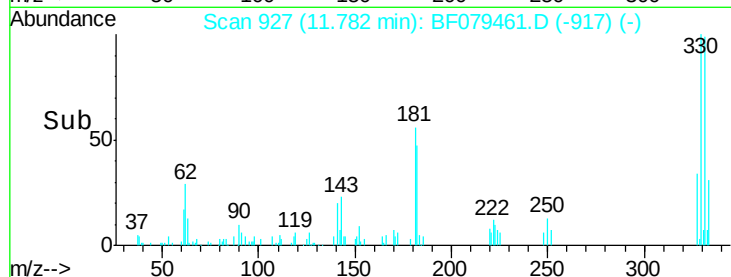
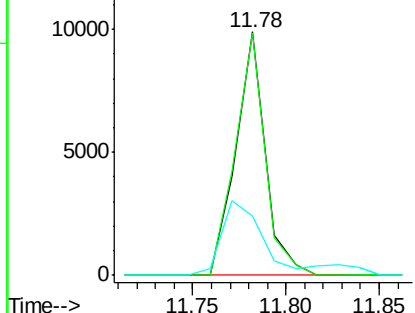
Tot Ion	Ratio	Lower	Upper
330	100		
332	100.4	76.9	115.3
141	48.5	27.8	41.8#

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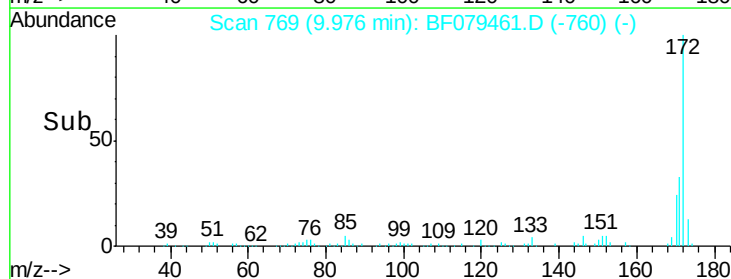
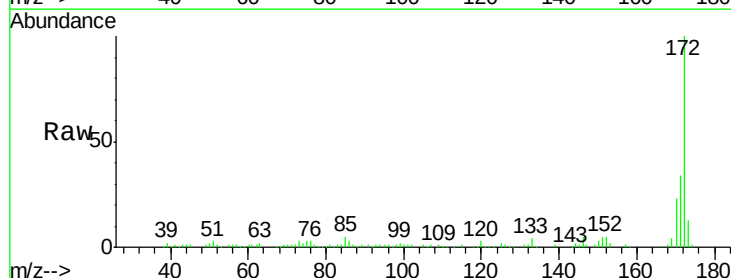
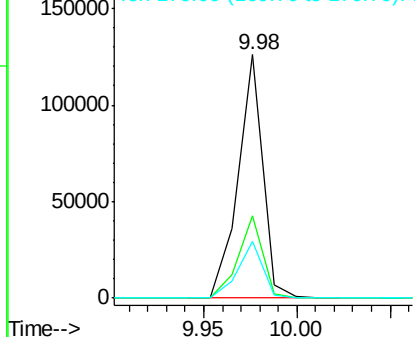
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

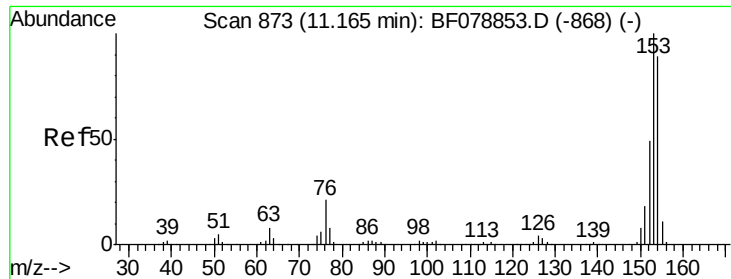


#44
 2-Fluorobiphenyl
 Concen: 11.96 ng
 RT: 9.98 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: BF079461.D
 Acq: 23 May 2015 7:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.6	28.3	42.5
170	23.5	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





#51

Acenaphthene

Concen: 4.28 ng

RT: 10.83 min Scan# 844

Delta R.T. -0.00 min

Lab File: BF079461.D

Acq: 23 May 2015 7:26

Instrument :

BNA_F

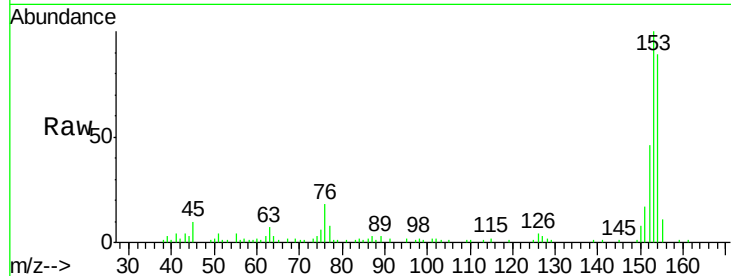
ClientSampleId :

SB-32D

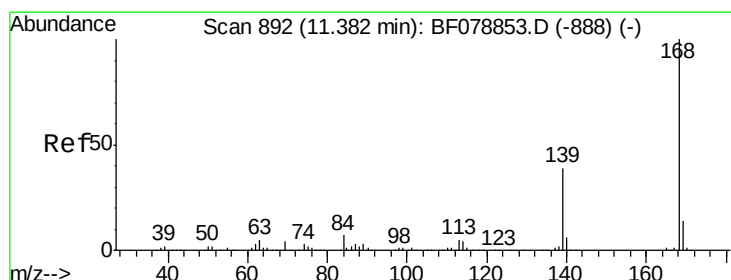
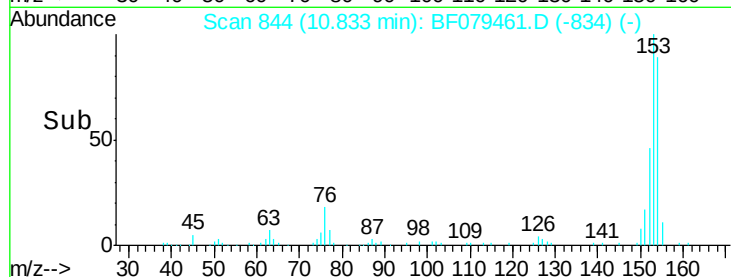
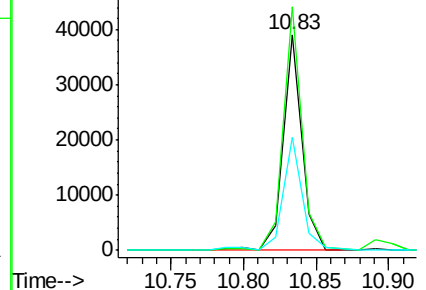
Tot Ion:	154	Resp:	35228
Ion	Ratio	Lower	Upper
154	100		
153	112.7	90.2	135.2
152	52.2	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 3.60 ng

RT: 11.05 min Scan# 863

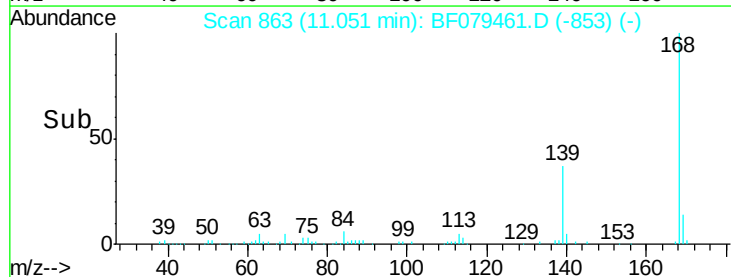
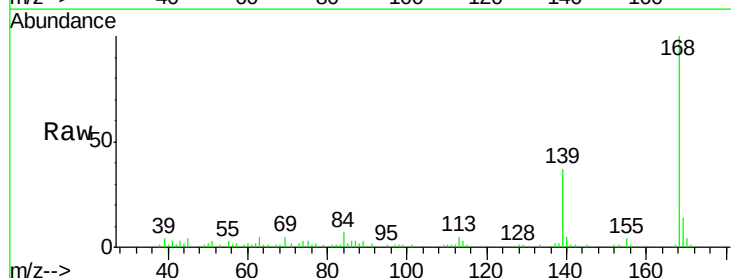
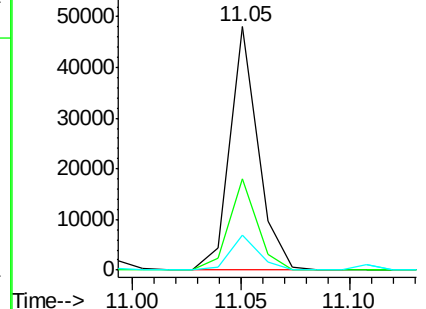
Delta R.T. -0.00 min

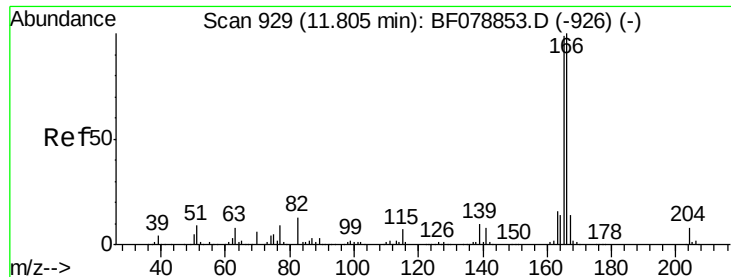
Lab File: BF079461.D

Acq: 23 May 2015 7:26

Tgt Ion:	168	Resp:	42874
Ion	Ratio	Lower	Upper
168	100		
139	37.3	31.5	47.3
169	14.3	11.0	16.4

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





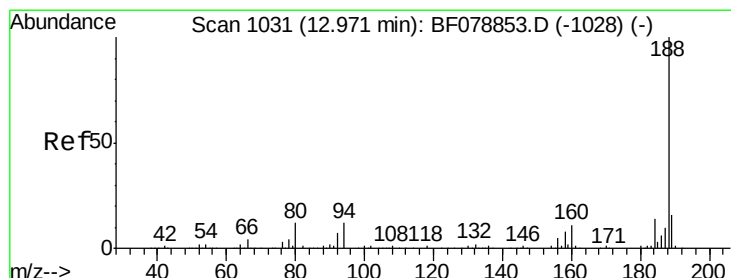
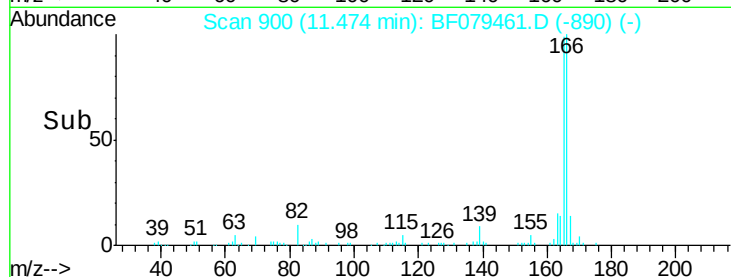
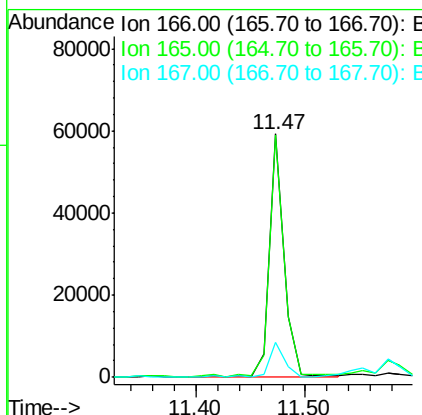
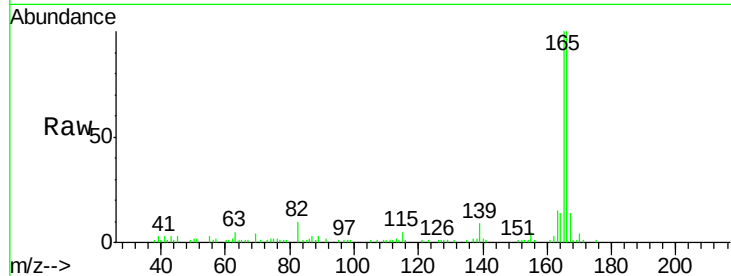
#57
 Fluorene
 Concen: 5.77 ng
 RT: 11.47 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: BF079461.D
 Acq: 23 May 2015 7:26

Instrument :
 BNA_F
 ClientSampleId :
 SB-32D

Tot Ion	Ratio	Resp	Lower	Upper
166	100	56363		
165	99.5	79.5	119.3	
167	14.3	11.0	16.6	

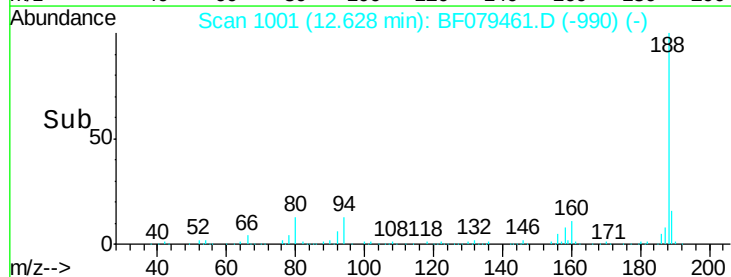
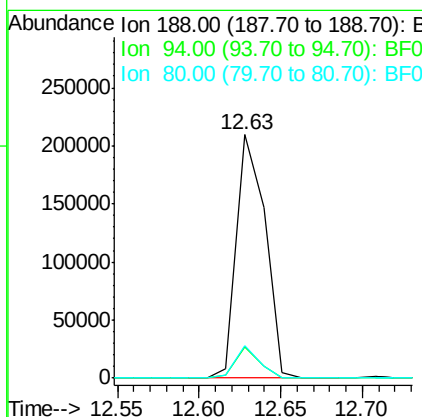
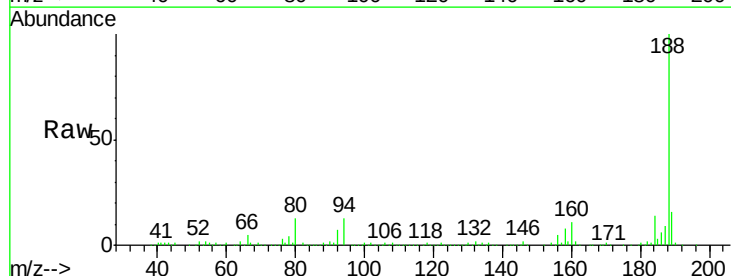
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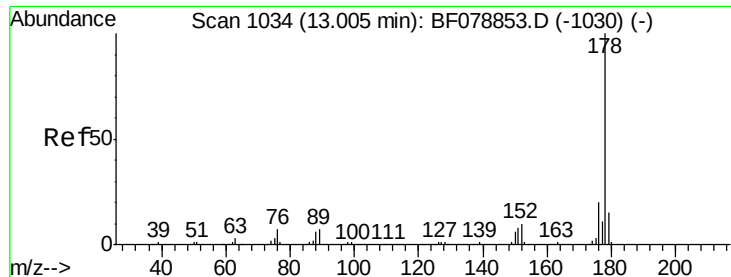
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.63 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: BF079461.D
 Acq: 23 May 2015 7:26

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	254045		
94	13.0	9.4	14.0	
80	13.3	9.8	14.6	





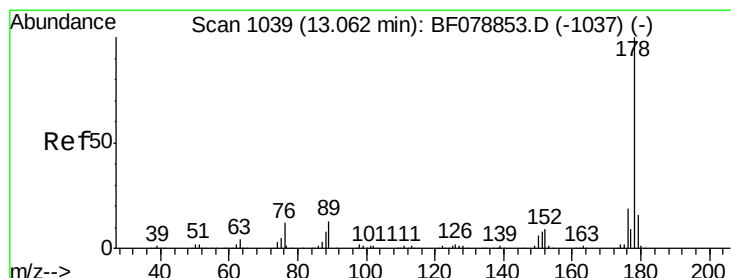
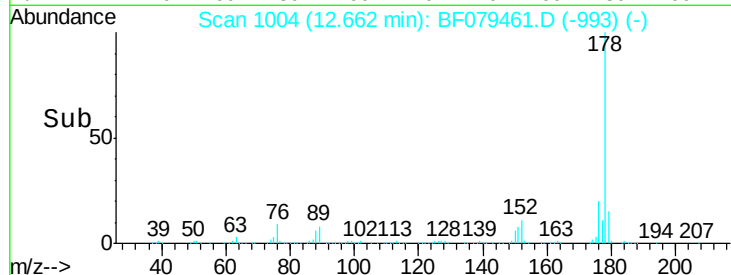
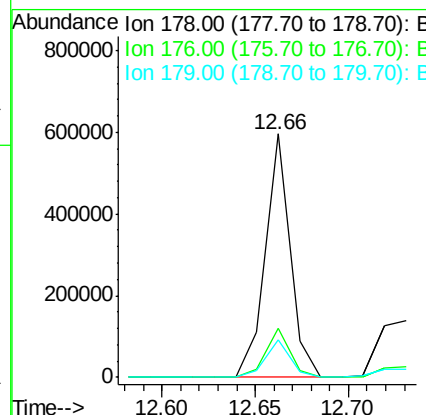
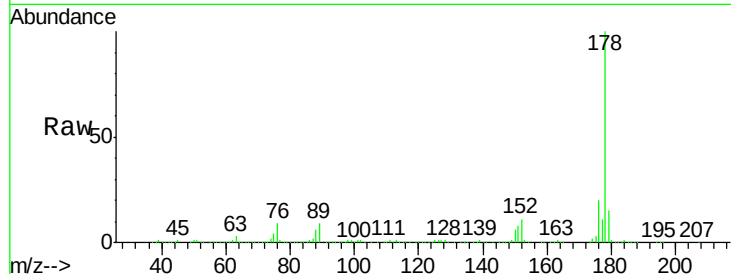
#70
Phenanthrene
Concen: 38.65 ng
RT: 12.66 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BF079461.D
Acq: 23 May 2015 7:26

Instrument :
BNA_F
ClientSampleId :
SB-32D

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.9	23.9
179	15.5	12.2	18.4

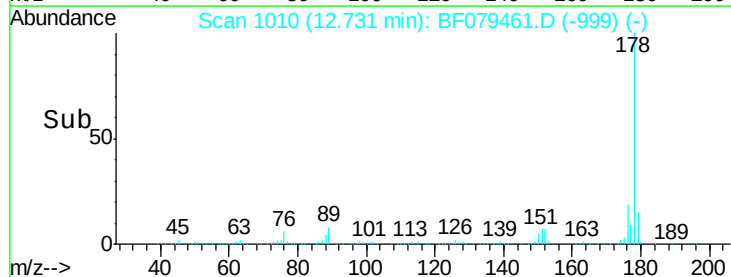
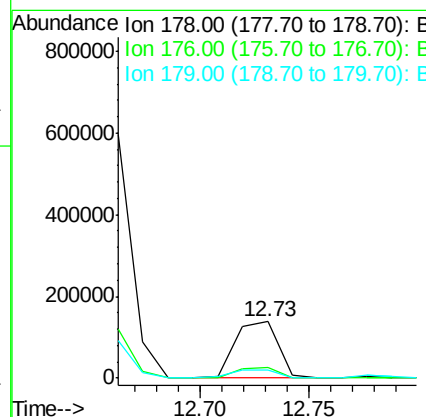
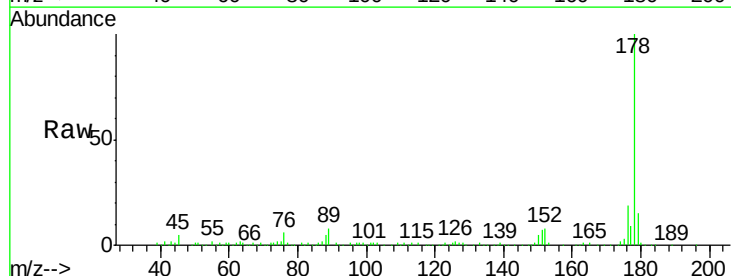
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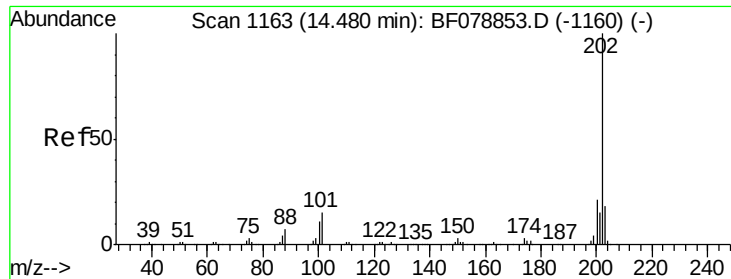
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#71
Anthracene
Concen: 13.29 ng
RT: 12.73 min Scan# 1010
Delta R.T. -0.00 min
Lab File: BF079461.D
Acq: 23 May 2015 7:26

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.5	12.6	19.0





#74

Fluoranthene

Concen: 45.80 ng

RT: 14.14 min Scan# 1133

Delta R.T. -0.00 min

Lab File: BF079461.D

Acq: 23 May 2015 7:26

Instrument :

BNA_F

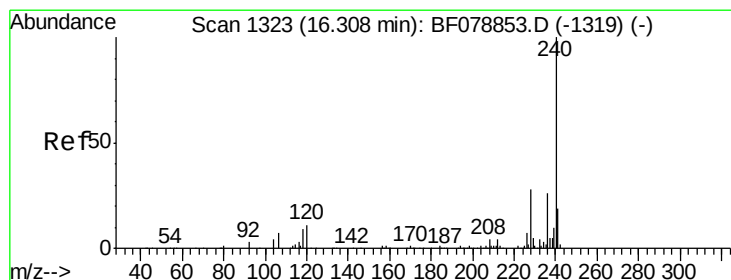
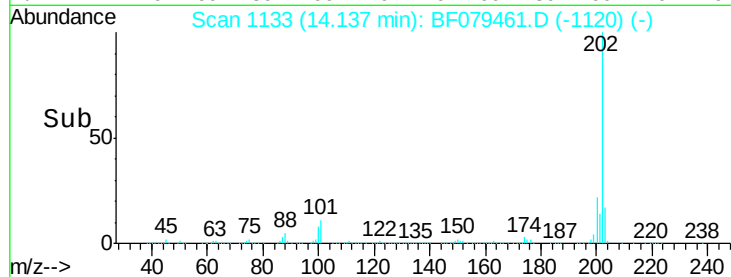
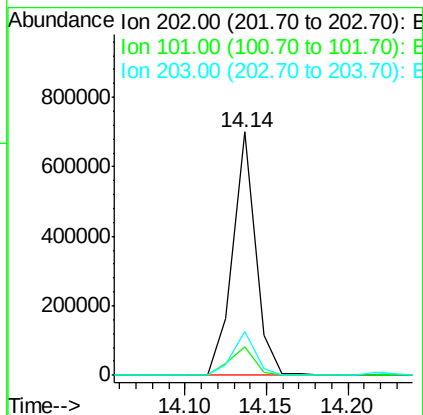
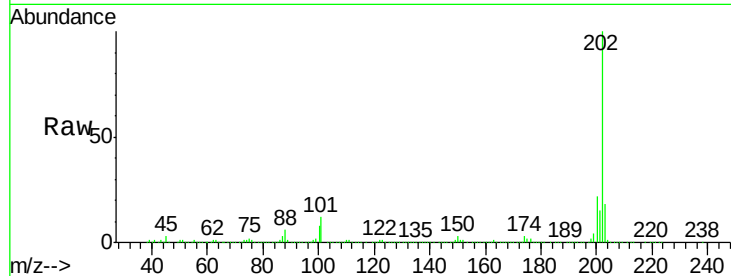
ClientSampleId :

SB-32D

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.7	0.0	34.7
203	17.8	0.0	37.9

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#75

Chrysene-d12

Concen: 20.00 ng

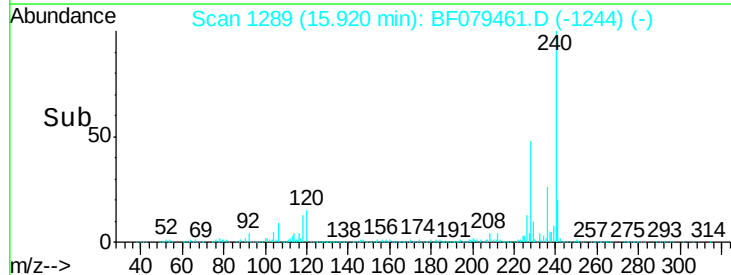
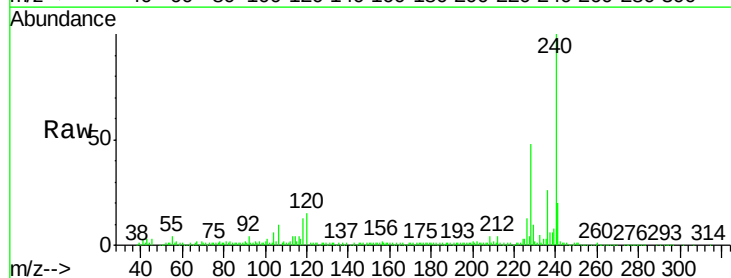
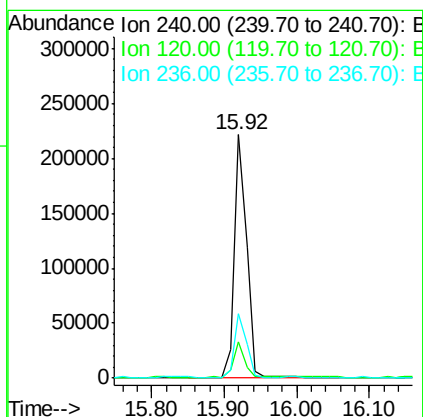
RT: 15.92 min Scan# 1289

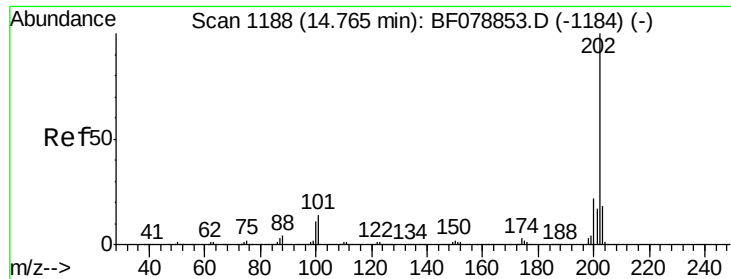
Delta R.T. 0.01 min

Lab File: BF079461.D

Acq: 23 May 2015 7:26

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.0	8.6	12.8#
236	26.5	21.0	31.6





#77

Pvrene

Concen: 39.64 ng

RT: 14.41 min Scan# 1157

Delta R.T. -0.00 min

Lab File: BF079461.D

Acq: 23 May 2015 7:26

Instrument :

BNA_F

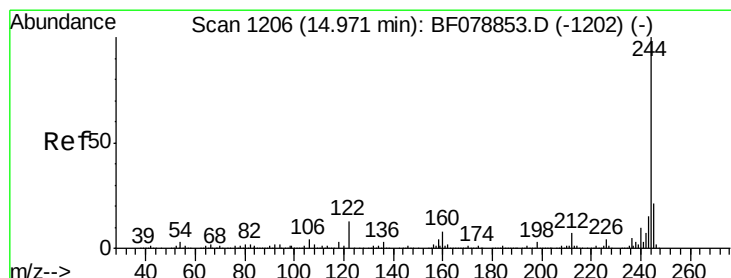
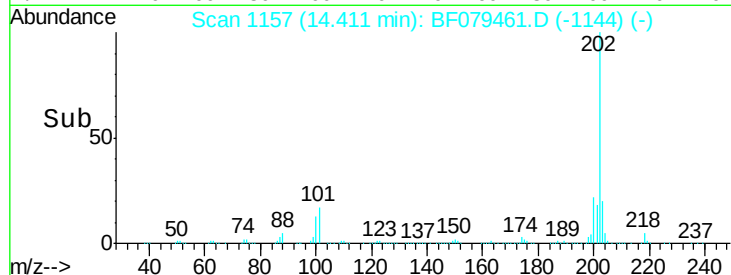
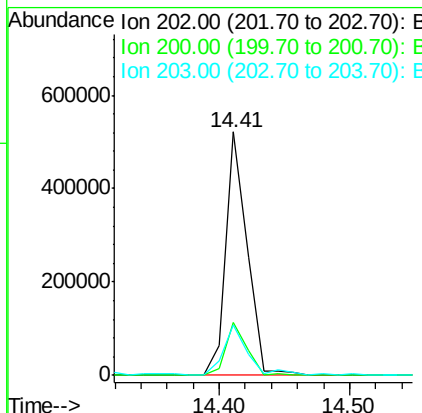
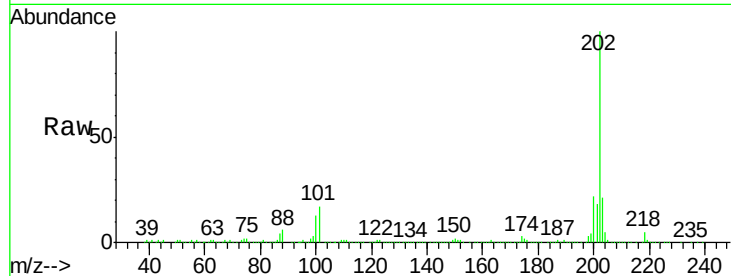
ClientSampleId :

SB-32D

Tot Ion:	202	Resp:	590919
Ion Ratio		Lower	Upper
202	100		
200	21.8	17.5	26.3
203	20.7	14.7	22.1

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#78

Terphenyl-d14

Concen: 11.75 ng

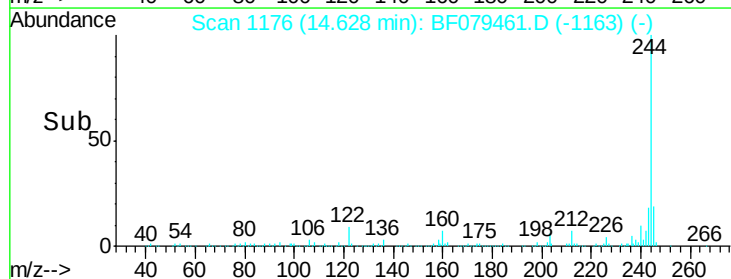
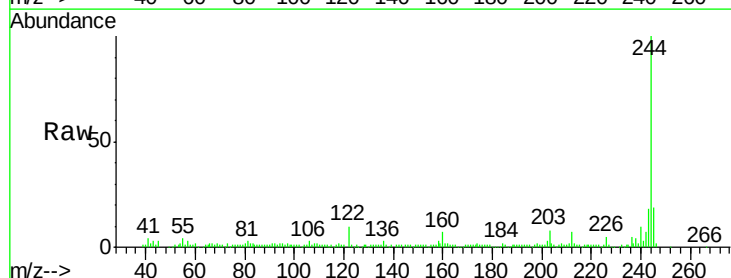
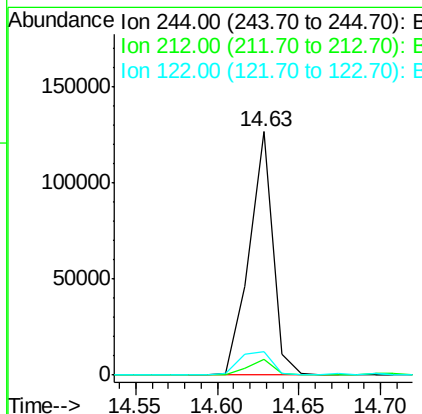
RT: 14.63 min Scan# 1176

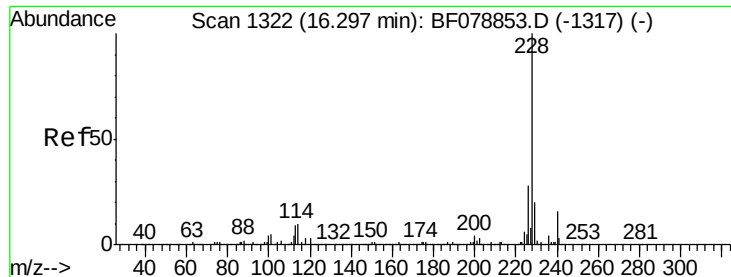
Delta R.T. -0.00 min

Lab File: BF079461.D

Acq: 23 May 2015 7:26

Tgt Ion:	244	Resp:	126986
Ion Ratio		Lower	Upper
244	100		
212	6.7	5.6	8.4
122	9.5	10.5	15.7#





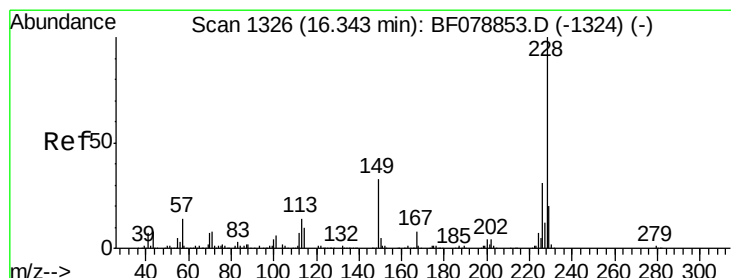
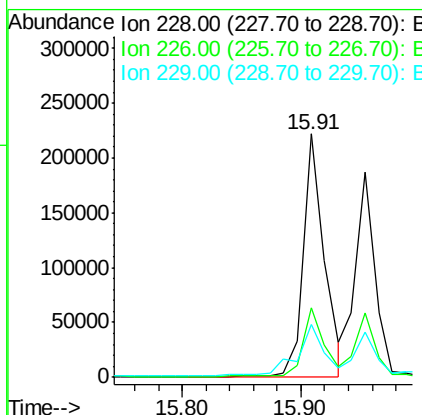
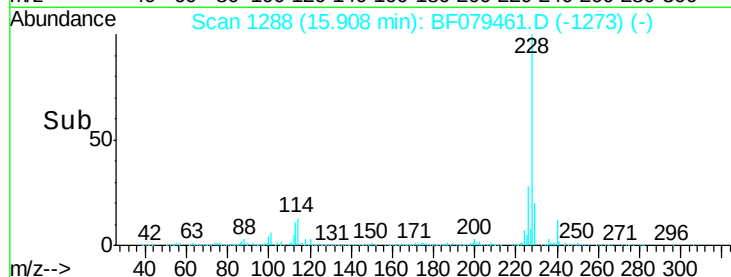
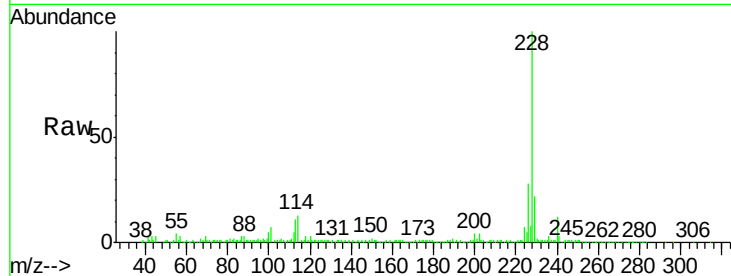
#80
Benzo(a)anthracene
Concen: 19.25 ng
RT: 15.91 min Scan# 1288
Delta R.T. 0.01 min
Lab File: BF079461.D
Acq: 23 May 2015 7:26

Instrument :
BNA_F
ClientSampleId :
SB-32D

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.3	33.5
229	21.5	16.1	24.1

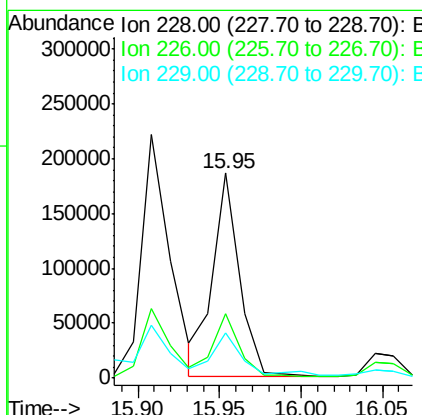
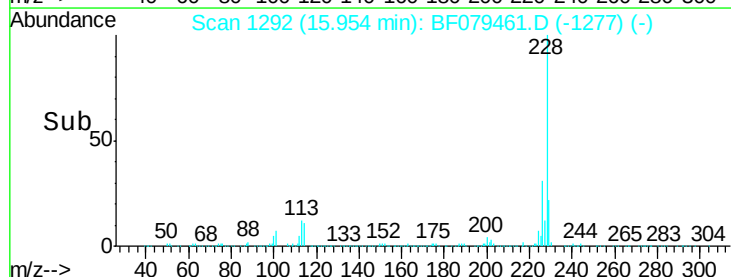
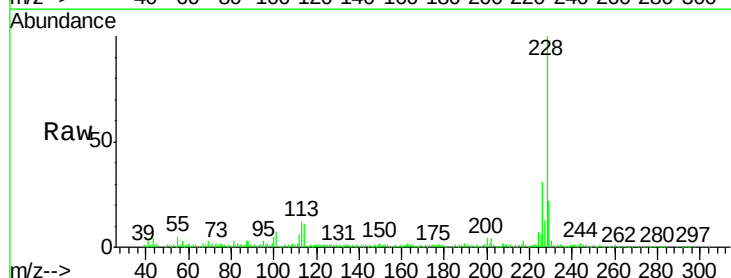
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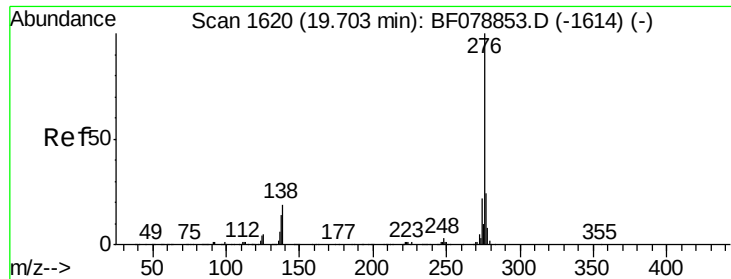
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#82
Chrysene
Concen: 15.48 ng
RT: 15.95 min Scan# 1292
Delta R.T. 0.01 min
Lab File: BF079461.D
Acq: 23 May 2015 7:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.8	37.2
229	22.3	16.1	24.1





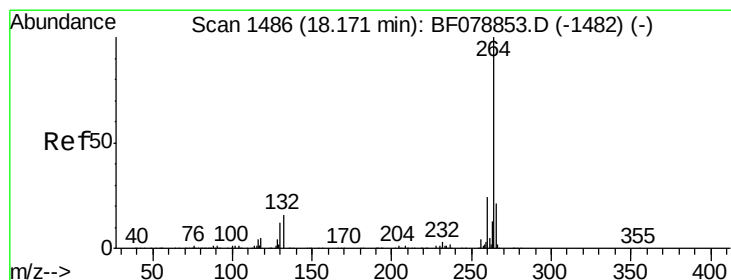
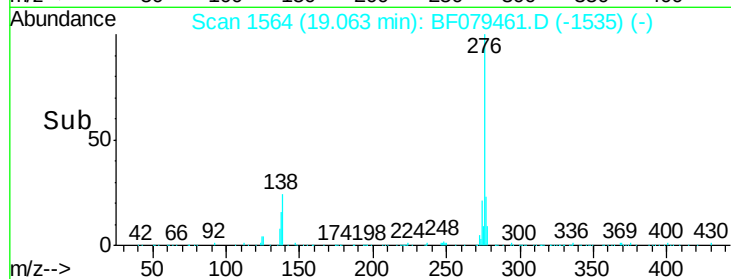
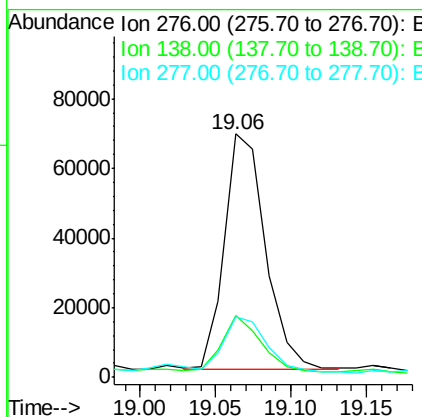
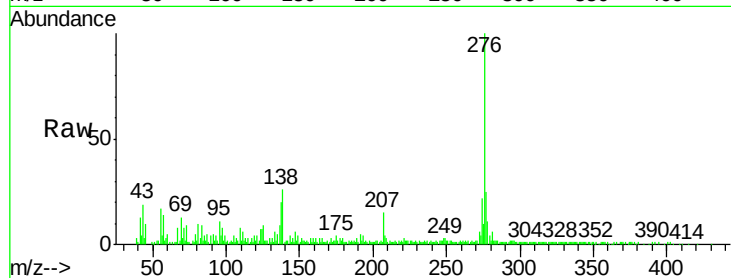
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.46 ng/mL
 RT: 19.06 min Scan# 1564
 Delta R.T. 0.13 min
 Lab File: BF079461.D
 Acq: 23 May 2015 7:26

Instrument :
 BNA_F
 ClientSampleId :
 SB-32D

Tot Ion	Ratio	Lower	Upper
276	100		
138	4.6	21.1	31.7#
277	4.0	19.9	29.9#

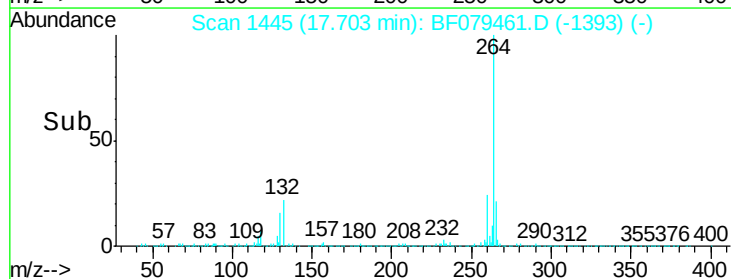
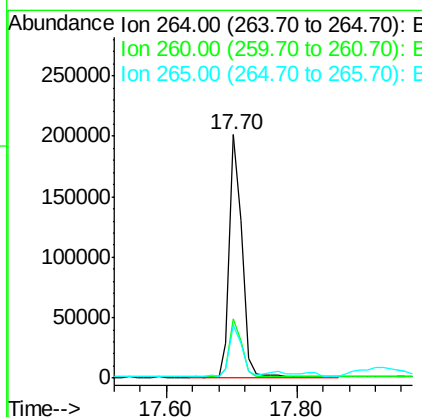
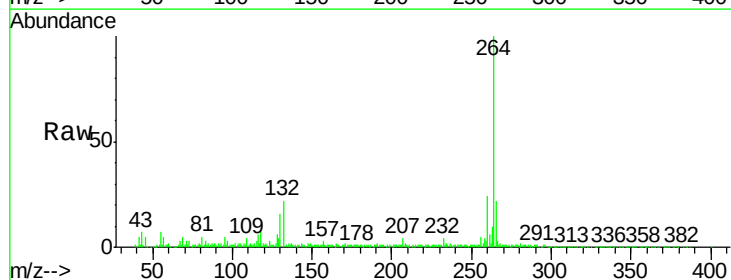
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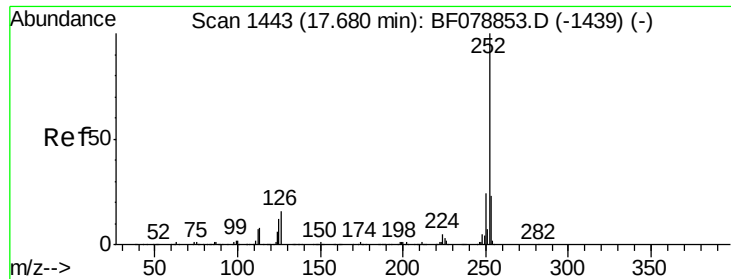
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.70 min Scan# 1445
 Delta R.T. 0.09 min
 Lab File: BF079461.D
 Acq: 23 May 2015 7:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.9	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 20.55 ng m

RT: 17.25 min Scan# 1405

Delta R.T. 0.07 min

Lab File: BF079461.D

Acq: 23 May 2015 7:26

Instrument :

BNA_F

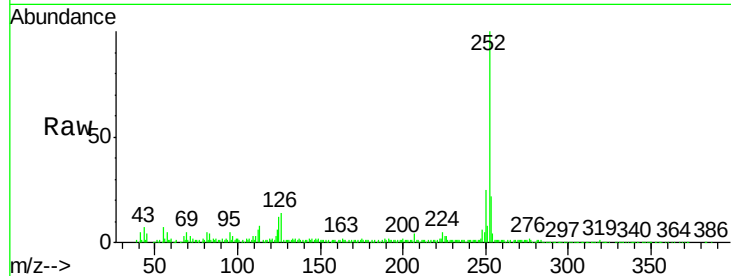
ClientSampled :

SB-32D

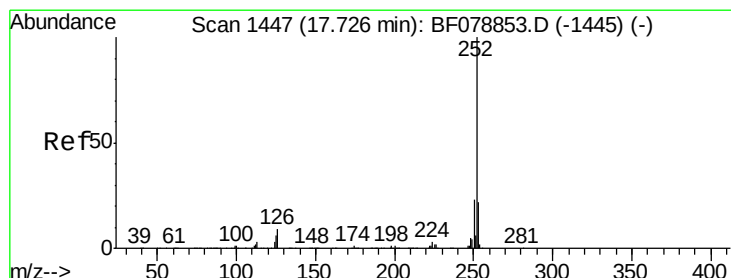
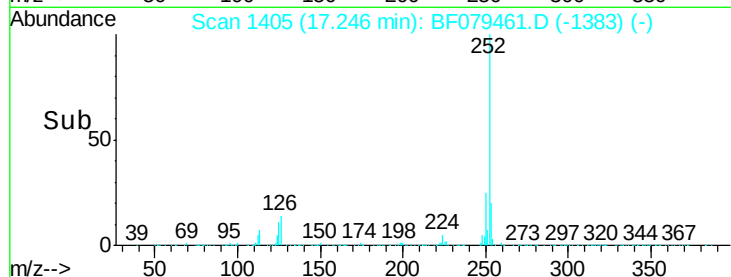
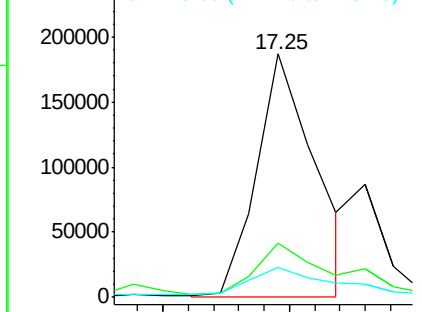
Tot Ion:	252	Resp:	299732
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.1	27.1
125	12.1	9.4	14.2

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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: 5.73 ng m

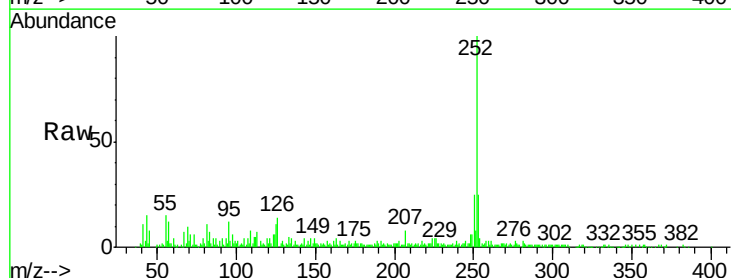
RT: 17.28 min Scan# 1408

Delta R.T. 0.08 min

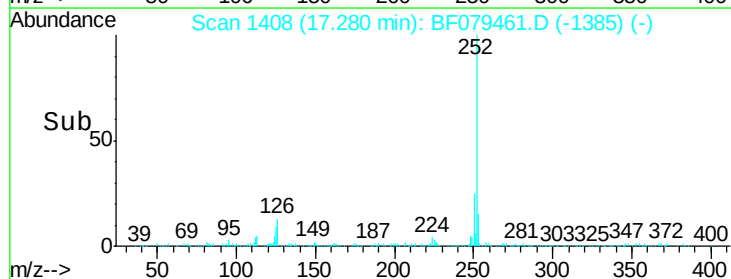
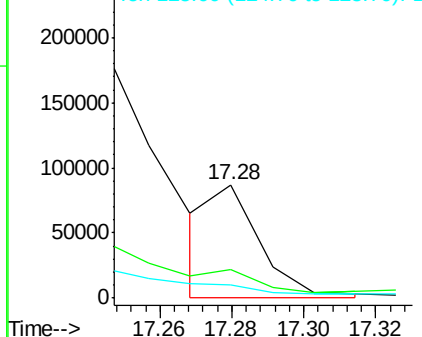
Lab File: BF079461.D

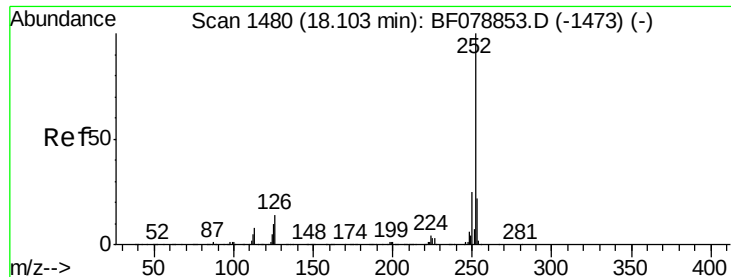
Acq: 23 May 2015 7:26

Tgt Ion:	252	Resp:	80864
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.4	26.0
125	11.5	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





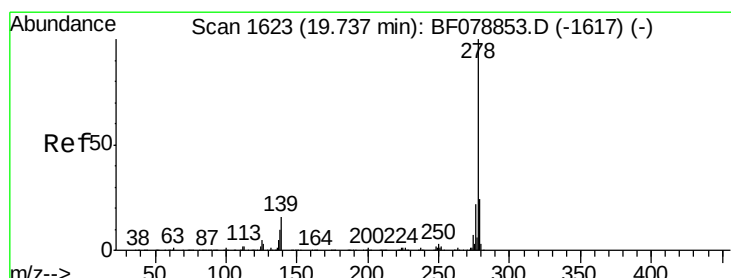
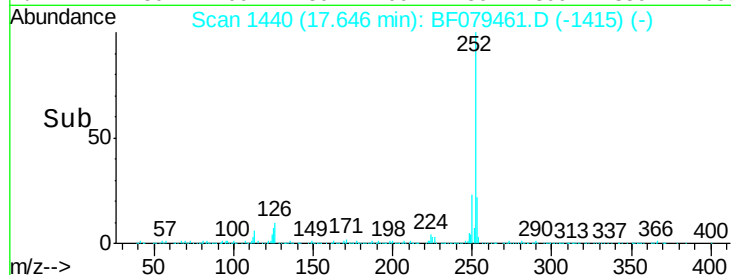
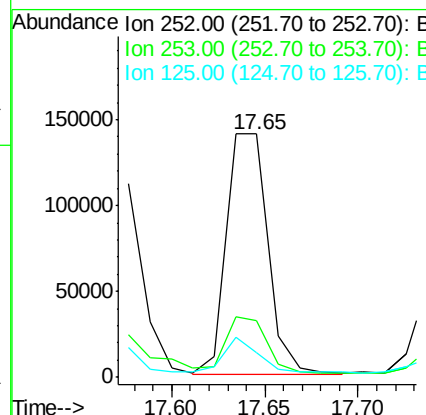
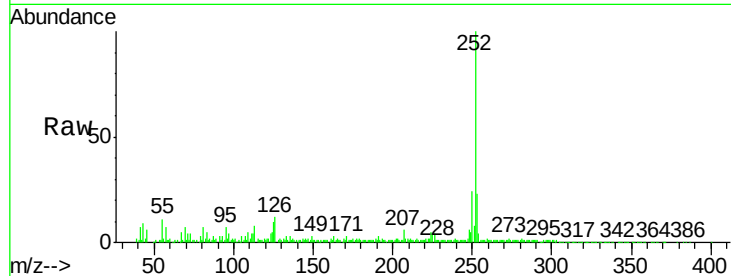
#89
Benzo(a)pyrene
Concen: 16.24 ng
RT: 17.65 min Scan# 1440
Delta R.T. 0.10 min
Lab File: BF079461.D
Acq: 23 May 2015 7:26

Instrument :
BNA_F
ClientSampleId :
SB-32D

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.4	18.0	27.0
125	10.1	8.2	12.2

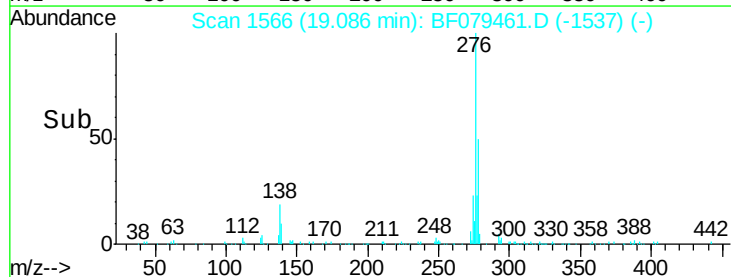
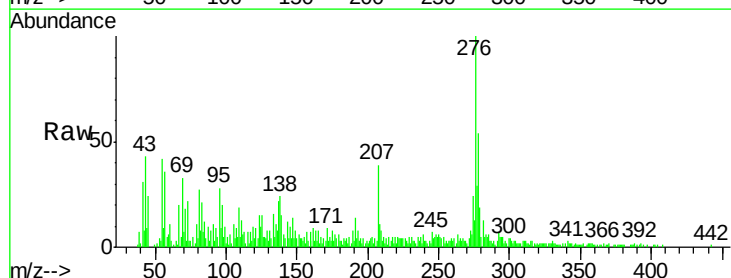
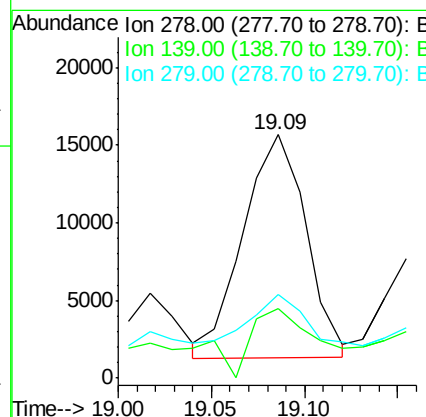
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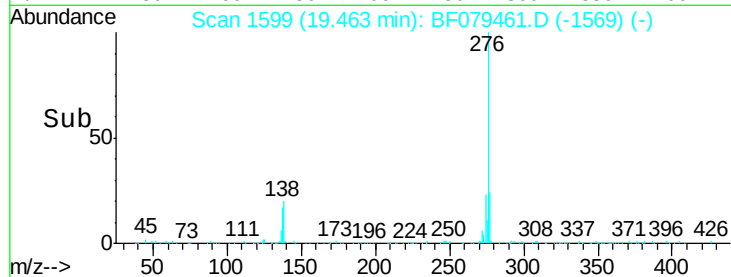
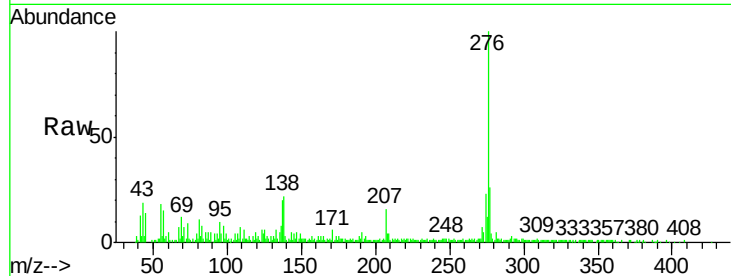
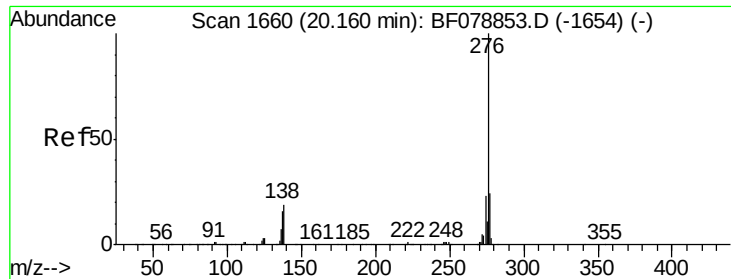
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#90
Dibenzo(a,h)anthracene
Concen: 2.37 ng
RT: 19.09 min Scan# 1566
Delta R.T. 0.13 min
Lab File: BF079461.D
Acq: 23 May 2015 7:26

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	28.6	13.1	19.7#
279	34.5	19.1	28.7#





#91

Benzo(a,h,i)perylene

Concen: 9.46 ng

RT: 19.46 min Scan# 1599

Delta R.T. 0.14 min

Lab File: BF079461.D

Acq: 23 May 2015 7:26

Instrument :

BNA_F

ClientSampleId :

SB-32D

Tot Ion:	276	Resp:	135306
Ion Ratio	Lower	Upper	
276	100		
277	25.7	18.8	28.2
138	21.7	15.2	22.8

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