

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052615\
 Data File : BF079491.D
 Acq On : 26 May 2015 22:50
 Operator : TP/IZ
 Sample : G2289-10 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-30D

Manual Integrations
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Quant Time: May 27 02:04:53 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 26 19:25:27 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	96238	20.00	ng	0.00
21) Naphthalene-d8	8.59	136	397935	20.00	ng	0.00
38) Acenaphthene-d10	10.76	164	195759	20.00	ng	0.00
63) Phenanthrene-d10	12.59	188	375228	20.00	ng	0.00
75) Chrysene-d12	15.87	240	389496	20.00	ng	0.00
86) Perylene-d12	17.60	264	422848	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	112225m	20.23	ng	0.00
7) Phenol-d6	6.62	99	149363m	21.12	ng	0.00
23) Nitrobenzene-d5	7.71	82	80962	11.76	ng	0.00
41) 2,4,6-Tribromophenol	11.75	330	39776	18.50	ng	0.00
44) 2-Fluorobiphenyl	9.94	172	141289	10.30	ng	0.00
78) Terphenyl-d14	14.59	244	150193	9.05	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.62	128	43207	2.26	ng	99
51) Acenaphthene	10.80	154	81284	7.09	ng	99
54) Dibenzofuran	11.02	168	61237	3.62	ng	97
57) Fluorene	11.44	166	73623	5.28	ng	99
70) Phenanthrene	12.63	178	737774	35.84	ng	99
71) Anthracene	12.70	178	240491	11.51	ng	99
72) Carbazole	12.90	167	43610	2.17	ng	99
74) Fluoranthene	14.10	202	800397	36.26	ng	98
77) Pyrene	14.38	202	716293	29.68	ng	98
80) Benzo(a)anthracene	15.86	228	326128	14.56	ng	96
82) Chrysene	15.91	228	246544	11.58	ng	97
85) Indeno(1,2,3-cd)pyrene	18.93	276	185336	6.77	ng	94
87) Benzo(b)fluoranthene	17.15	252	365203m	15.14	ng	
88) Benzo(k)fluoranthene	17.19	252	94057m	4.36	ng	
89) Benzo(a)pyrene	17.53	252	278460	11.75	ng	# 94
91) Benzo(g,h,i)perylene	19.31	276	174373	5.51	ng	97

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

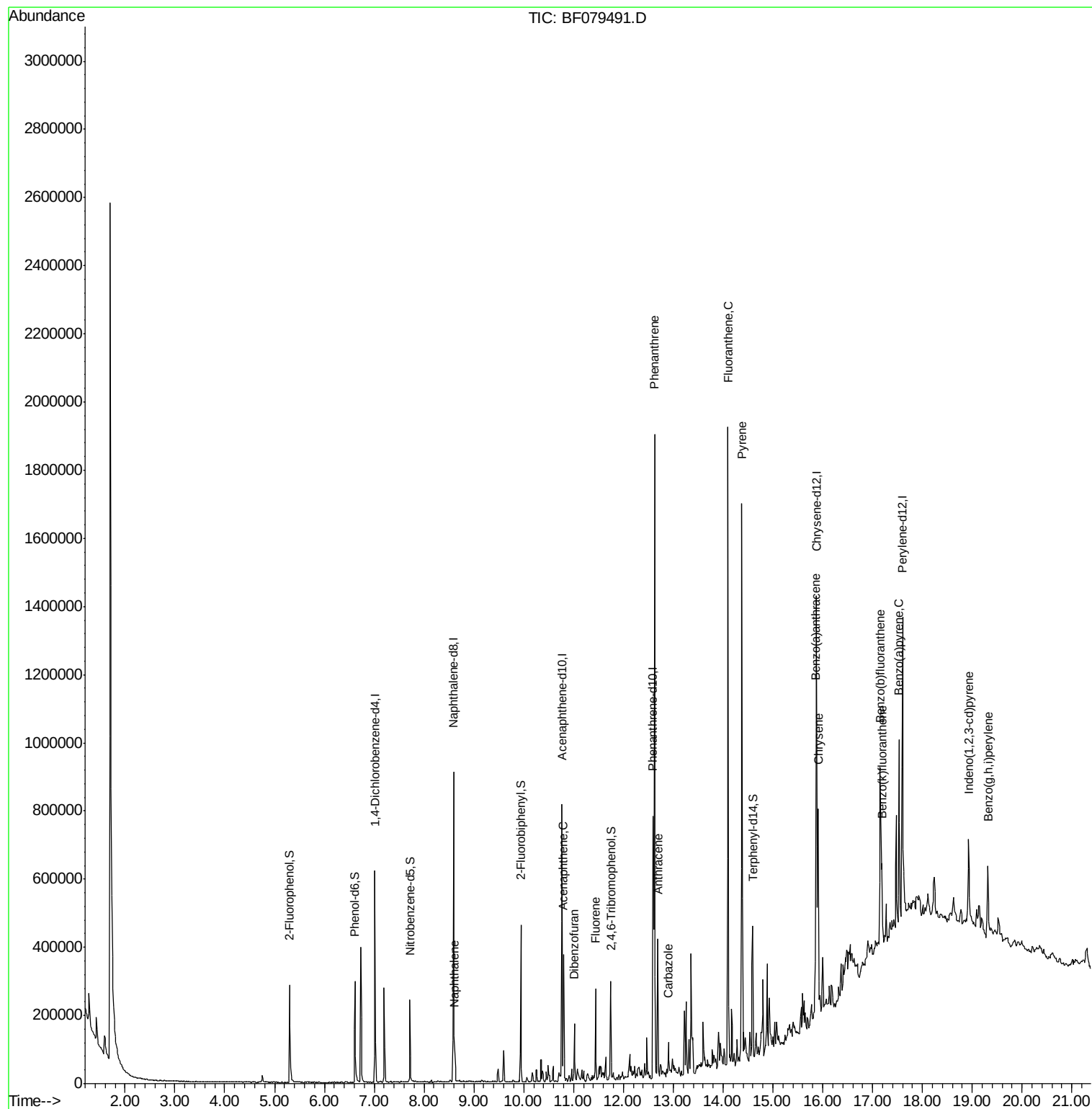
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052615\
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ALS Vial : 14 Sample Multiplier: 1

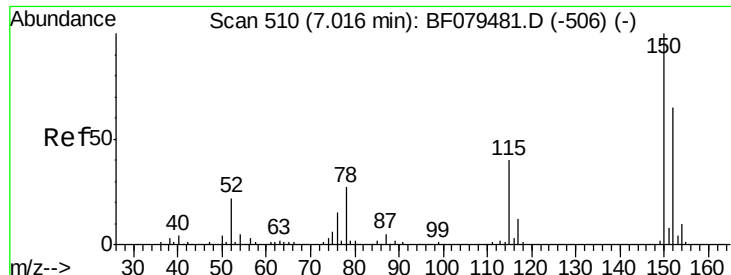
Instrument :
BNA_F
ClientSampled :
SB-30D

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Quant Time: May 27 02:04:53 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052615.M
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#1

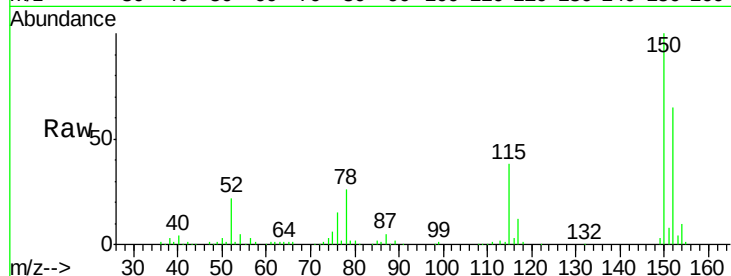
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.02 min Scan# 510
Delta R.T. 0.00 min
Lab File: BF079491.D
Acq: 26 May 2015 22:50

Instrument :
BNA_F
ClientSampleId :
SB-30D

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.0	186.0
115	58.5	49.6	74.4

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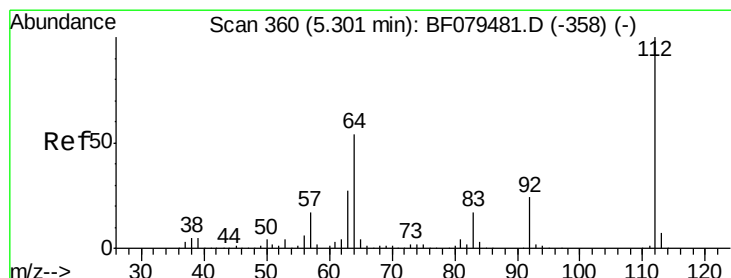
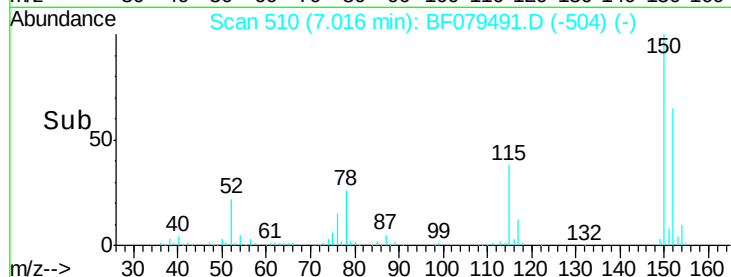
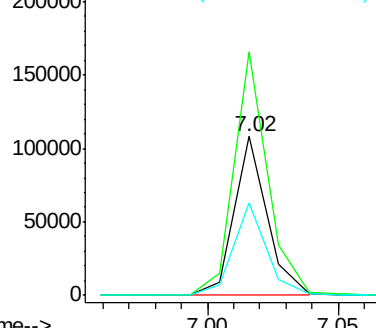


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

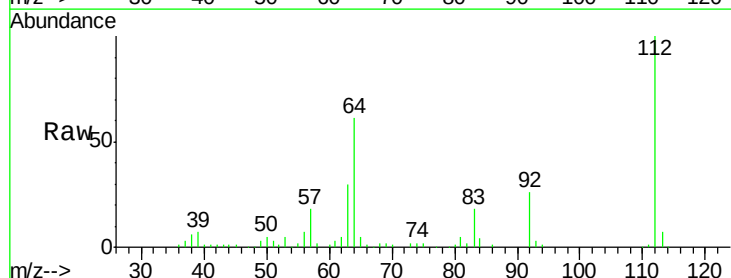
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 20.23 ng m
RT: 5.30 min Scan# 360
Delta R.T. 0.00 min
Lab File: BF079491.D
Acq: 26 May 2015 22:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.5	43.5	65.3
63	30.4	21.8	32.8

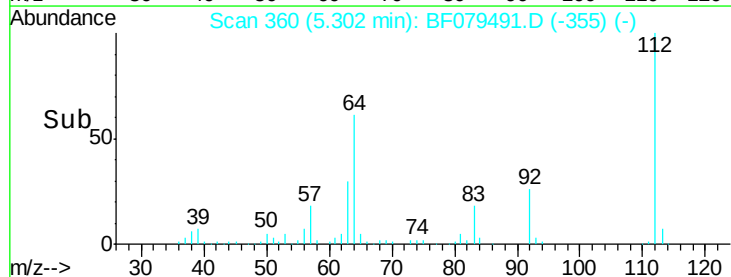
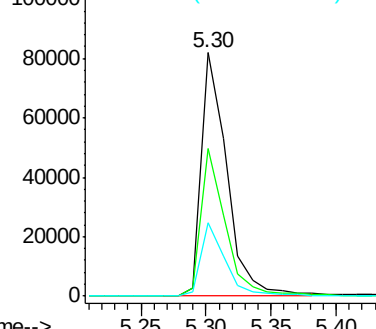


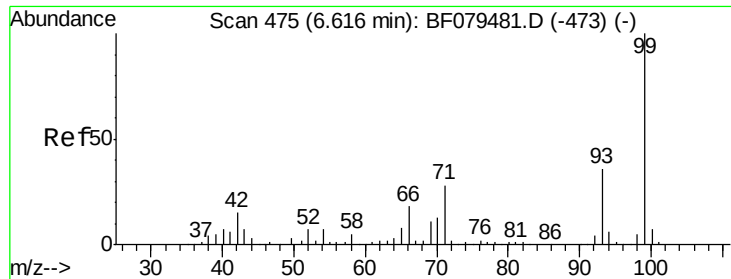
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 21.12 ng/mL

RT: 6.62 min Scan# 475

Delta R.T. 0.00 min

Lab File: BF079491.D

Acq: 26 May 2015 22:50

Instrument :

BNA_F

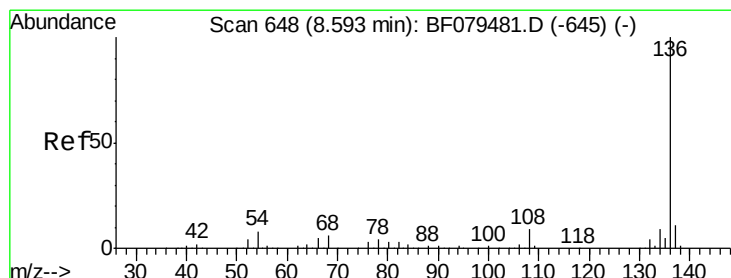
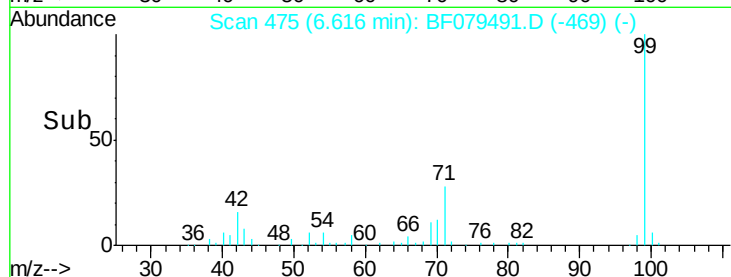
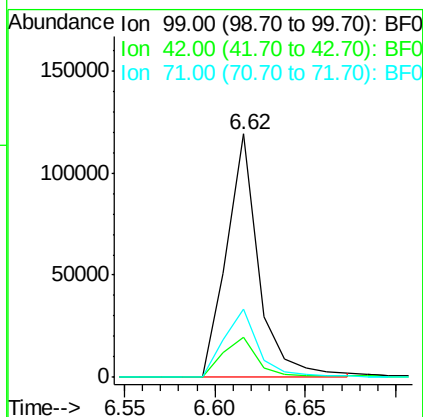
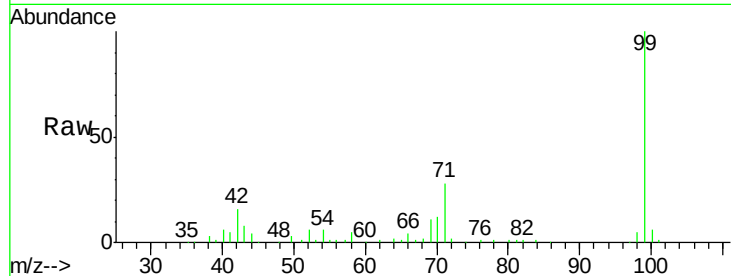
ClientSampleId :

SB-30D

Tot Ion:	99	Resp:	149363
Ion Ratio	Lower	Upper	
99	100		
42	16.2	11.9	17.9
71	28.2	22.1	33.1

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#21

Naphthalene-d8

Concen: 20.00 ng/mL

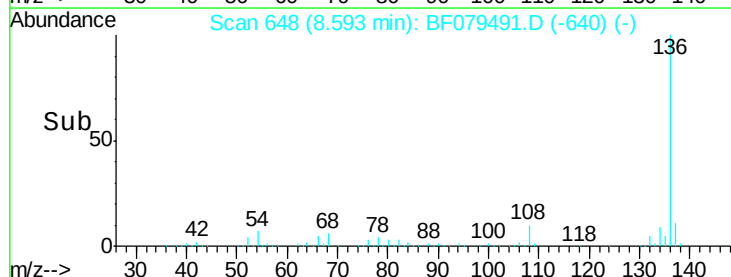
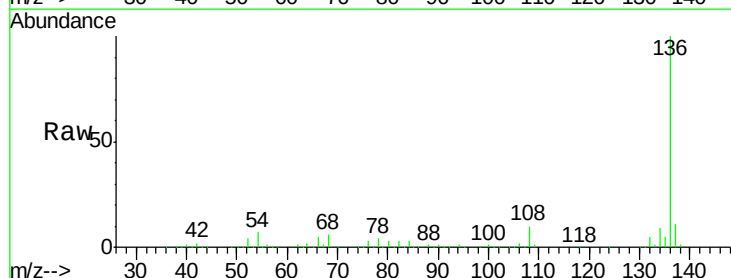
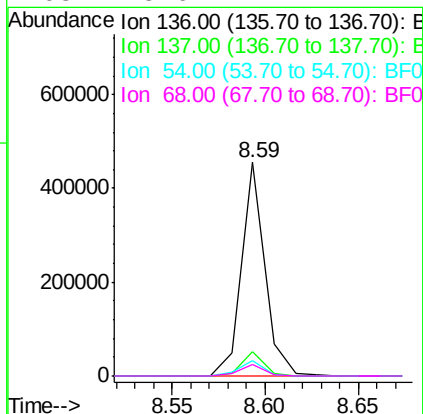
RT: 8.59 min Scan# 648

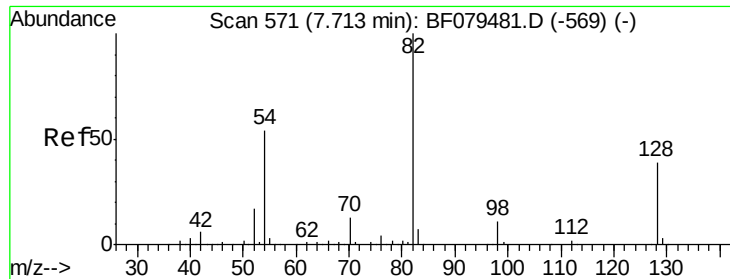
Delta R.T. 0.00 min

Lab File: BF079491.D

Acq: 26 May 2015 22:50

Tgt Ion:	136	Resp:	397935
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.5	12.7
54	7.3	6.6	9.8
68	5.6	4.7	7.1





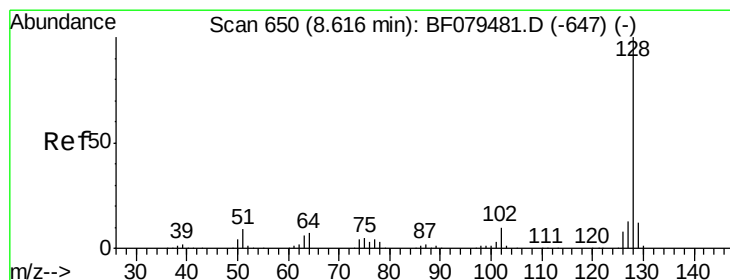
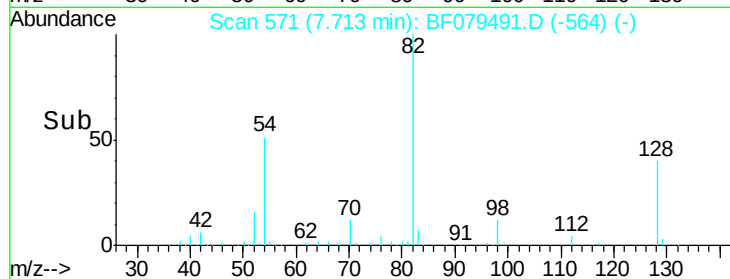
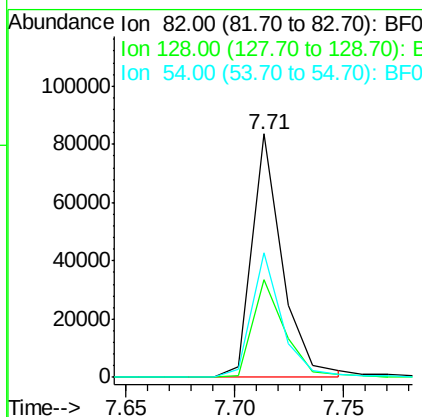
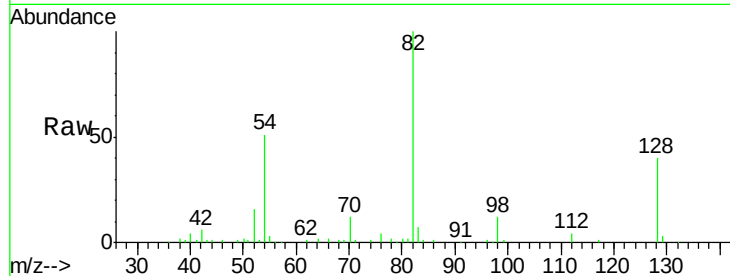
#23
 Nitrobenzene-d5
 Concen: 11.76 ng
 RT: 7.71 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: BF079491.D
 Acq: 26 May 2015 22:50

Instrument :
 BNA_F
 ClientSampleId :
 SB-30D

Tot Ion	Ratio	Resp	Lower	Upper
82	100	80962		
128	40.0		30.8	46.2
54	51.2		42.8	64.2

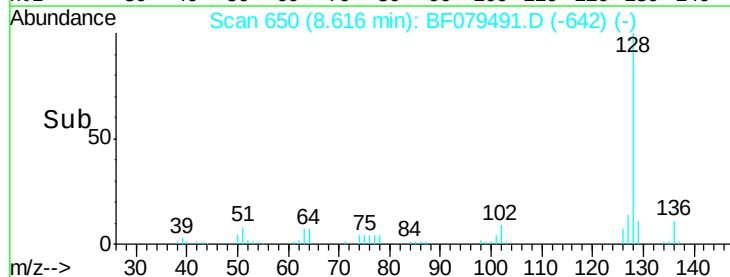
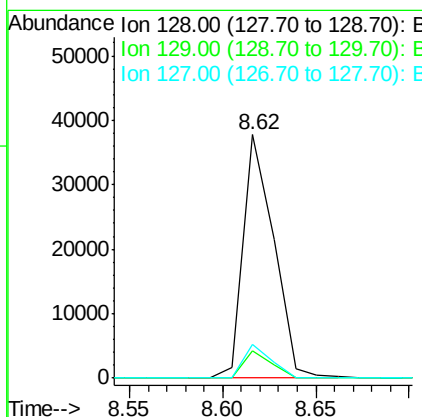
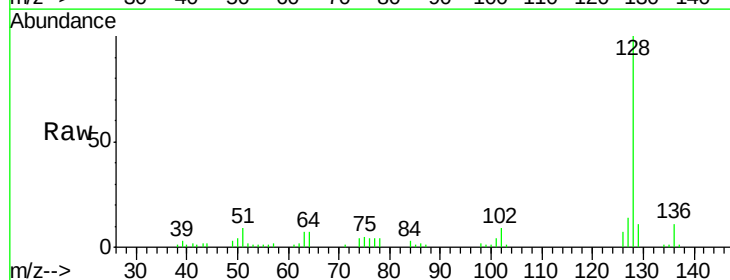
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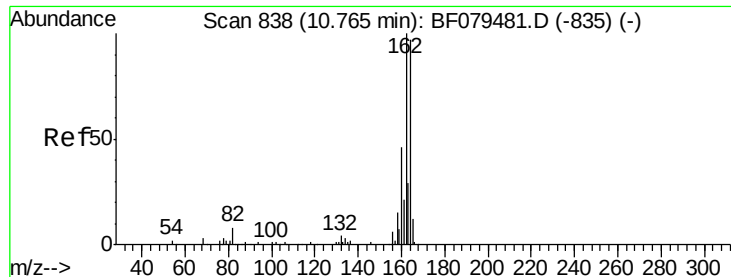
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#31
 Naphthalene
 Concen: 2.26 ng
 RT: 8.62 min Scan# 650
 Delta R.T. 0.00 min
 Lab File: BF079491.D
 Acq: 26 May 2015 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	43207		
129	11.3		9.3	13.9
127	14.1		10.6	15.8





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.76 min Scan# 838

Delta R.T. 0.00 min

Lab File: BF079491.D

Acq: 26 May 2015 22:50

Instrument :

BNA_F

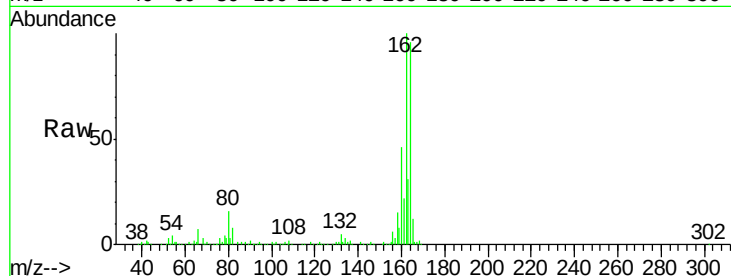
ClientSampled :

SB-30D

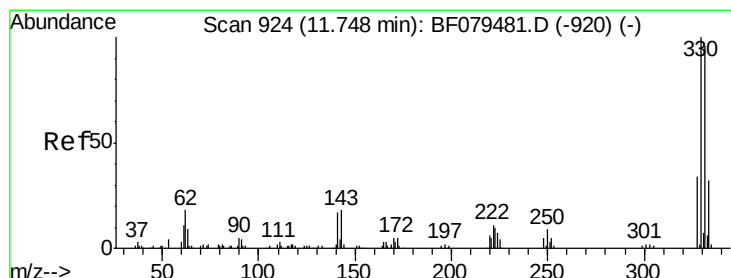
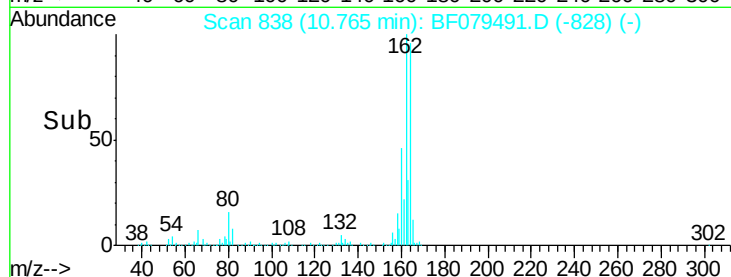
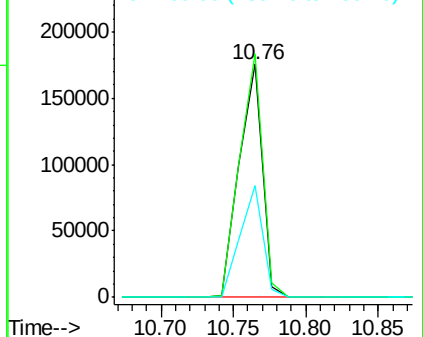
Tot Ion:	164	Resp:	195759
Ion Ratio	Lower	Upper	
164	100		
162	104.4	82.6	124.0
160	47.8	37.7	56.5

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



#41

2,4,6-Tribromophenol

Concen: 18.50 ng

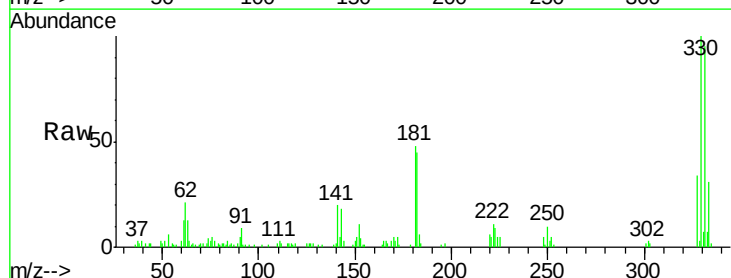
RT: 11.75 min Scan# 924

Delta R.T. 0.00 min

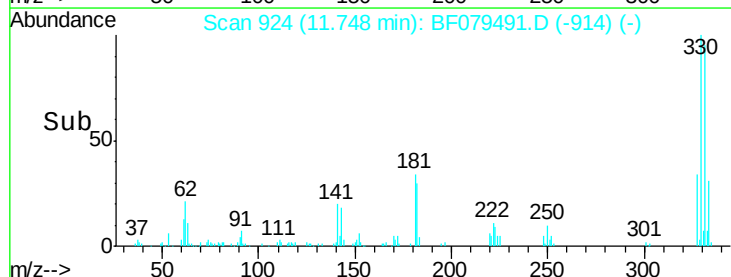
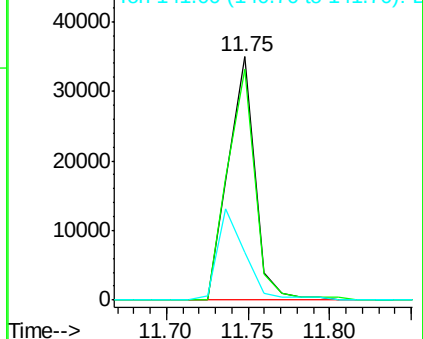
Lab File: BF079491.D

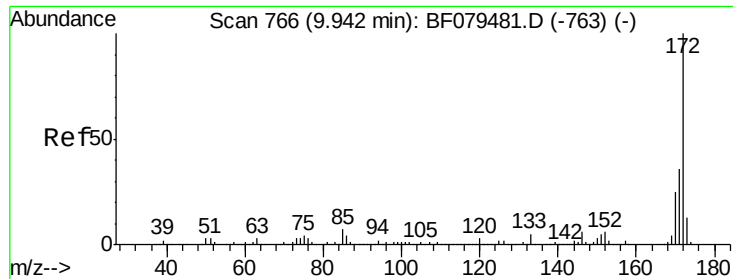
Acq: 26 May 2015 22:50

Tgt Ion:	330	Resp:	39776
Ion Ratio	Lower	Upper	
330	100		
332	97.5	0.0	0.0#
141	39.0	0.0	0.0#



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





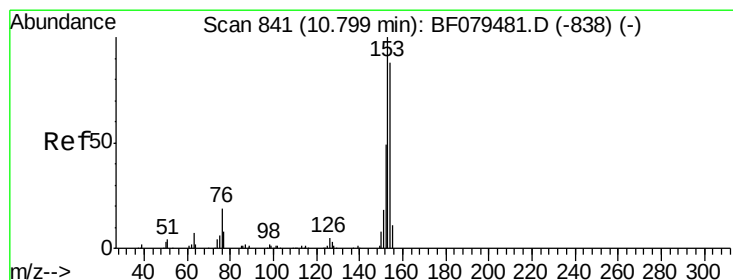
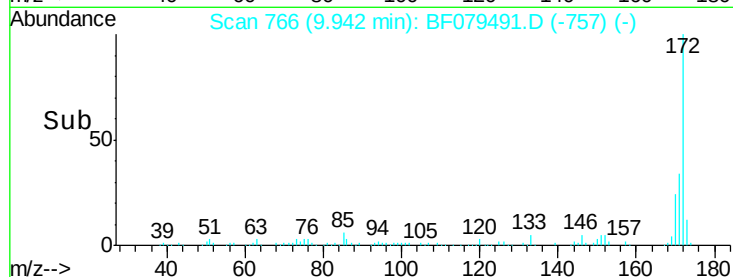
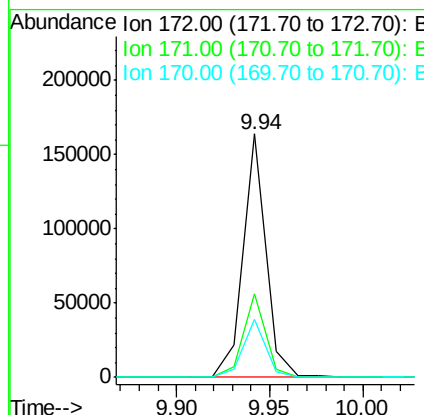
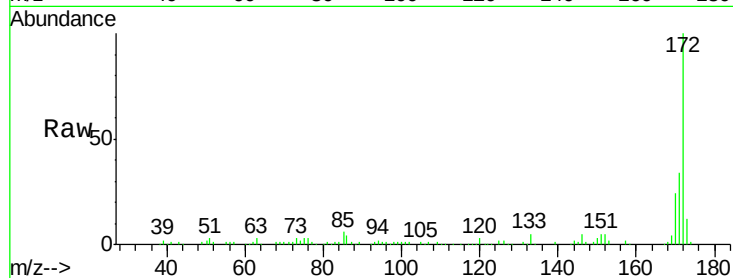
#44
2-Fluorobiphenyl
Concen: 10.30 ng
RT: 9.94 min Scan# 766
Delta R.T. 0.00 min
Lab File: BF079491.D
Acq: 26 May 2015 22:50

Instrument :
BNA_F
ClientSampleId :
SB-30D

Tot Ion	Ratio	Resp	Lower	Upper
172	100	141289		
171	34.1	28.5	42.7	
170	23.7	19.7	29.5	

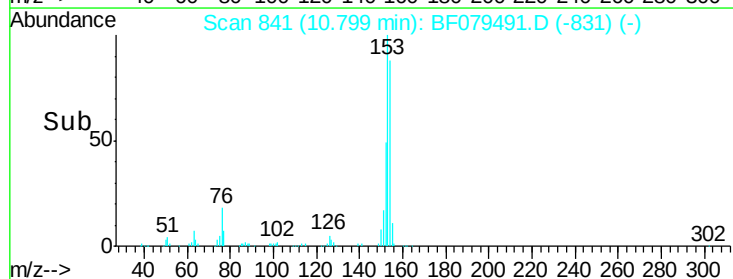
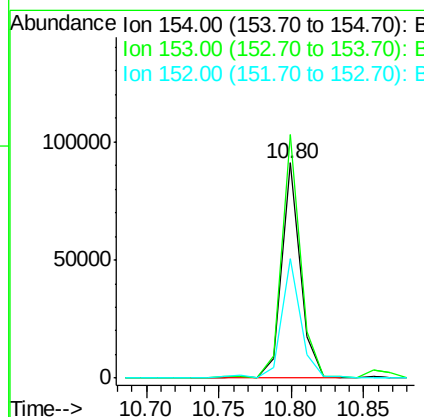
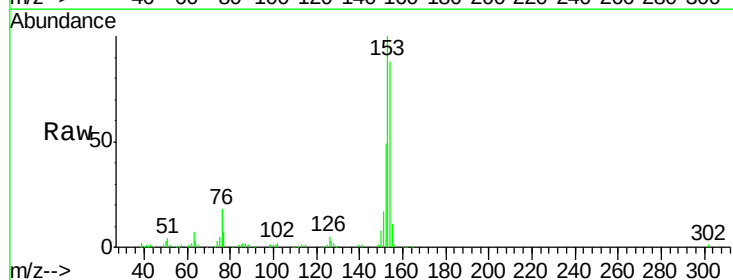
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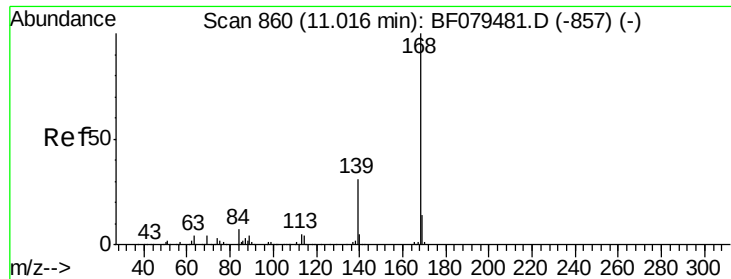
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#51
Acenaphthene
Concen: 7.09 ng
RT: 10.80 min Scan# 841
Delta R.T. 0.00 min
Lab File: BF079491.D
Acq: 26 May 2015 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	81284		
153	113.1	91.1	136.7	
152	55.2	44.6	66.8	





#54

Dibenzenofuran

Concen: 3.62 ng

RT: 11.02 min Scan# 860

Delta R.T. 0.00 min

Lab File: BF079491.D

Acq: 26 May 2015 22:50

Instrument :

BNA_F

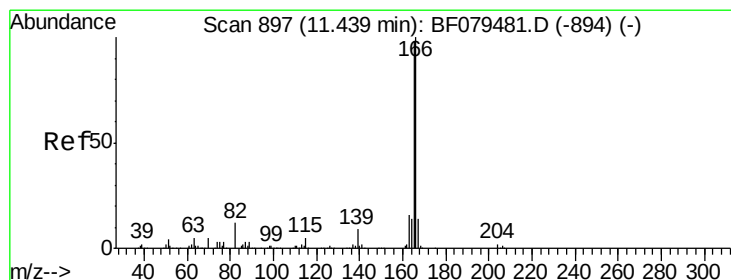
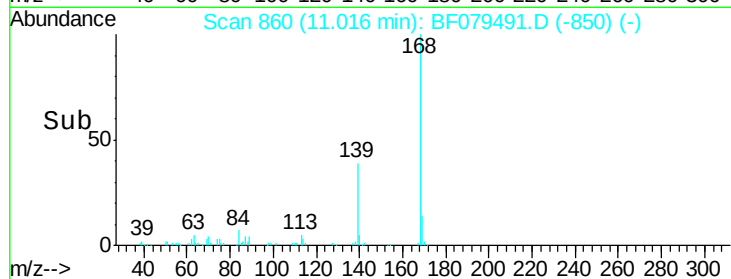
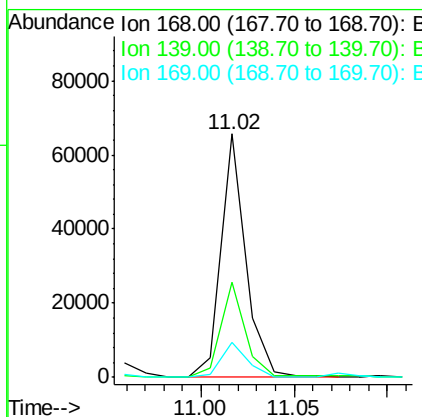
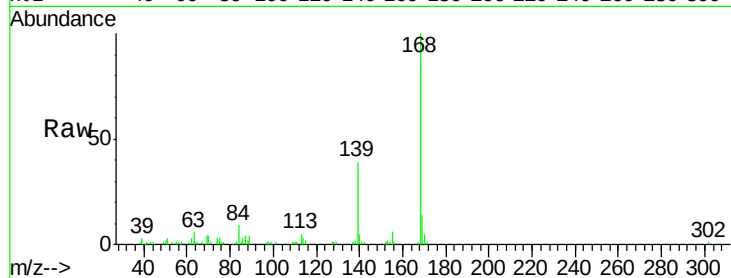
ClientSampleId :

SB-30D

Tot Ion:168	Resp:	61237
Ion Ratio	Lower	Upper
168 100		
139 39.1	32.9	49.3
169 14.1	11.1	16.7

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#57

Fluorene

Concen: 5.28 ng

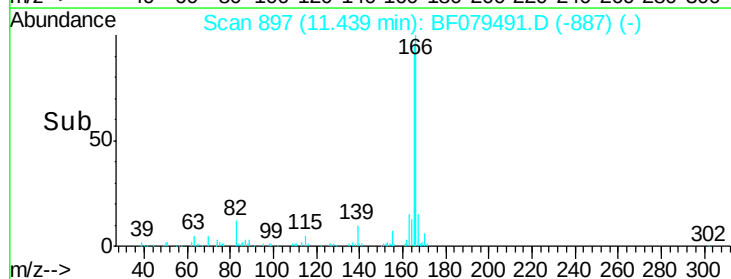
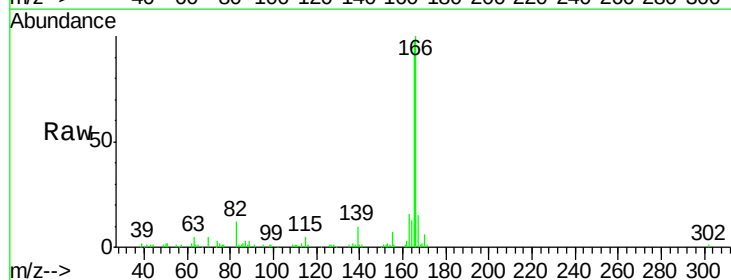
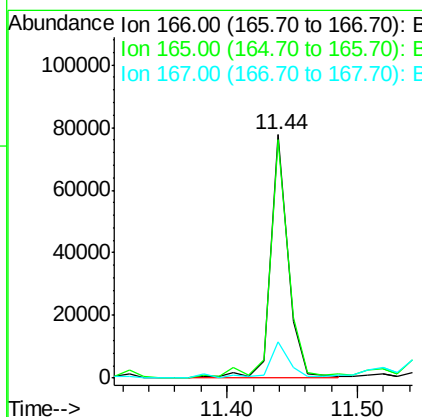
RT: 11.44 min Scan# 897

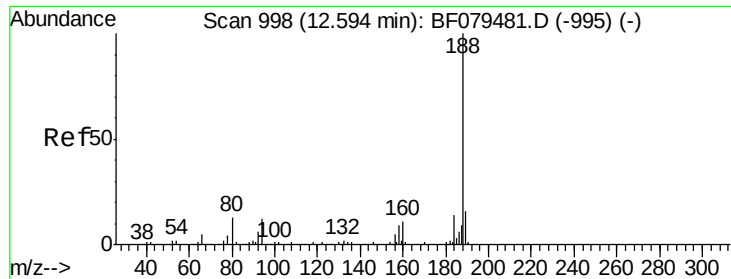
Delta R.T. 0.00 min

Lab File: BF079491.D

Acq: 26 May 2015 22:50

Tgt Ion:166	Resp:	73623
Ion Ratio	Lower	Upper
166 100		
165 97.8	78.6	117.8
167 14.9	10.8	16.2





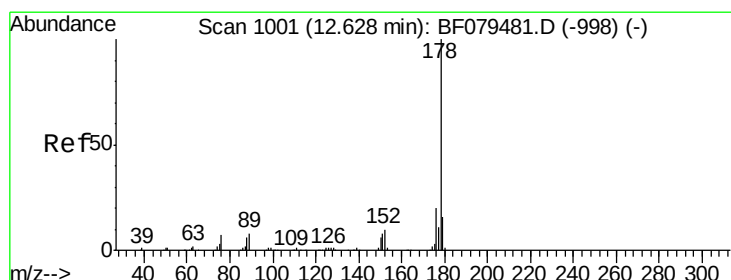
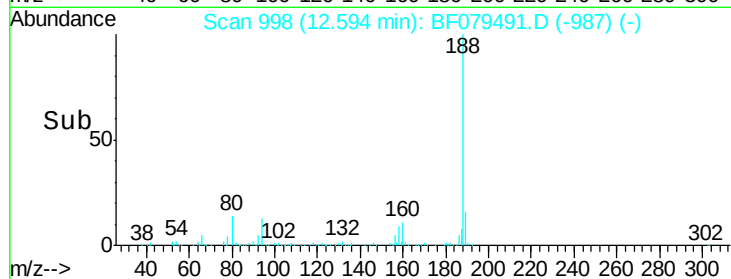
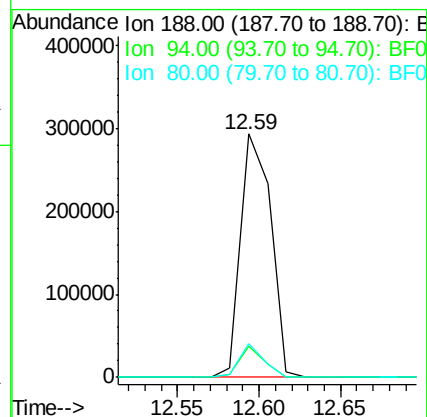
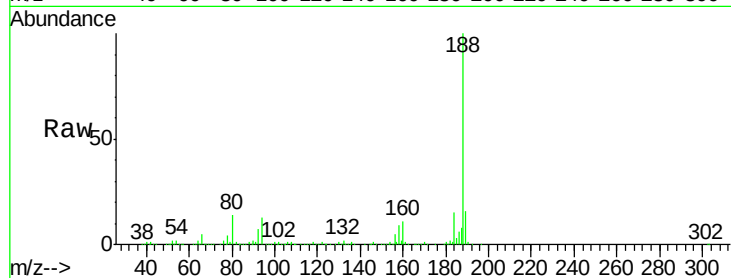
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.59 min Scan# 998
Delta R.T. 0.00 min
Lab File: BF079491.D
Acq: 26 May 2015 22:50

Instrument :
BNA_F
ClientSampleId :
SB-30D

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	13.0	9.8	14.6
80	13.7	10.5	15.7

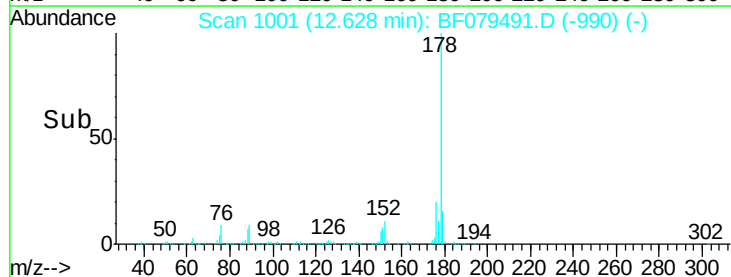
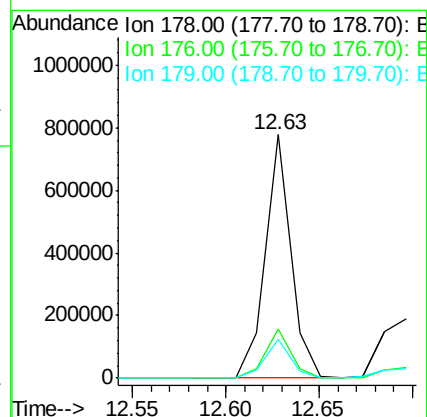
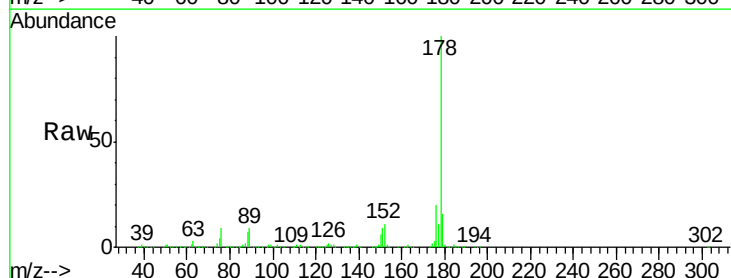
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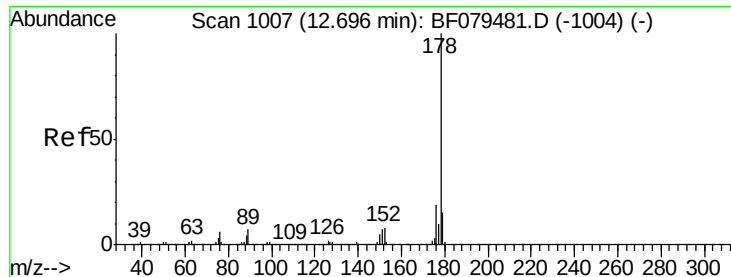
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#70
Phenanthrene
Concen: 35.84 ng
RT: 12.63 min Scan# 1001
Delta R.T. 0.00 min
Lab File: BF079491.D
Acq: 26 May 2015 22:50

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.4	15.7	23.5
179	15.9	12.4	18.6





#71

Anthracene

Concen: 11.51 ng

RT: 12.70 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BF079491.D

Acq: 26 May 2015 22:50

Instrument :

BNA_F

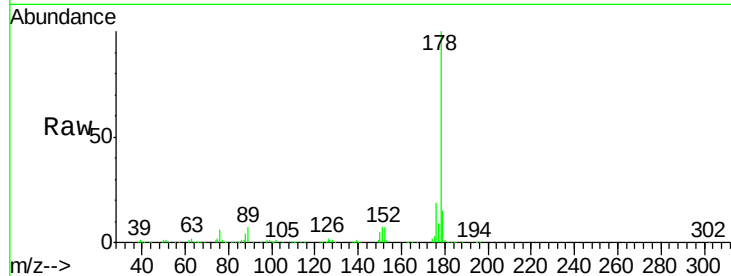
ClientSampled :

SB-30D

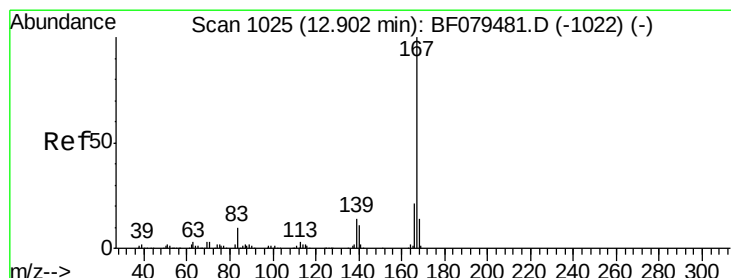
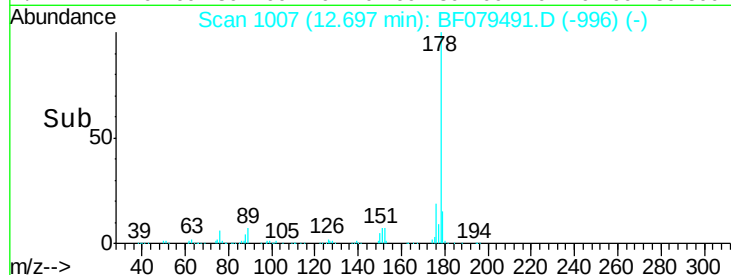
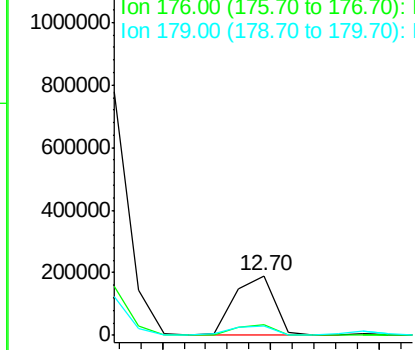
Tot Ion:	178	Resp:	240491
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.3	22.9
179	15.5	12.2	18.4

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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



#72

Carbazole

Concen: 2.17 ng

RT: 12.90 min Scan# 1025

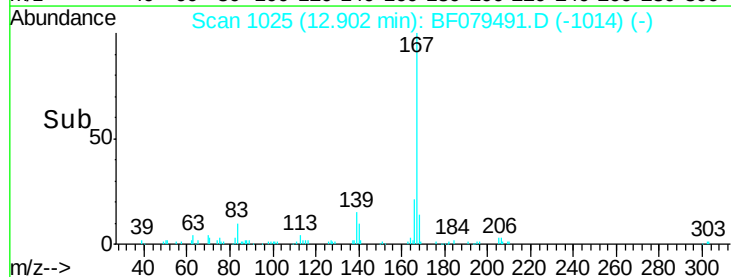
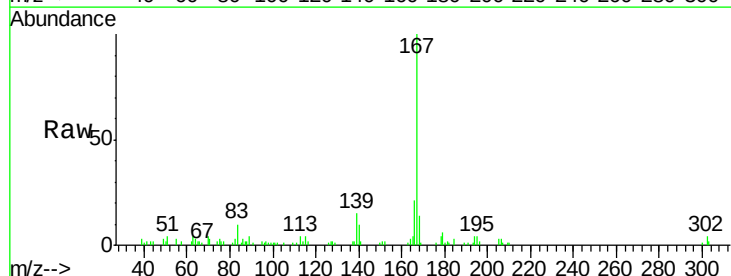
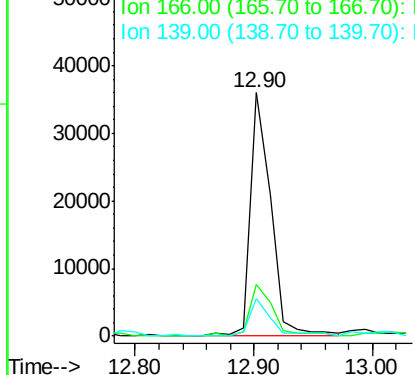
Delta R.T. 0.00 min

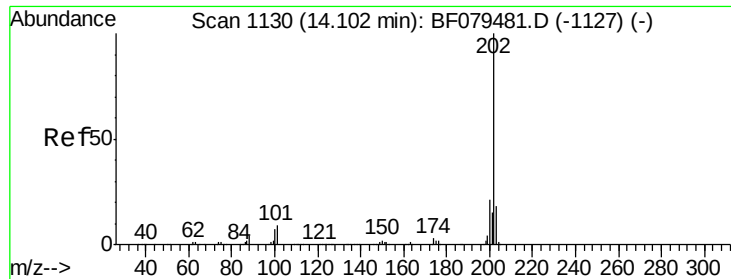
Lab File: BF079491.D

Acq: 26 May 2015 22:50

Tgt Ion:	167	Resp:	43610
Ion Ratio	Lower	Upper	
167	100		
166	21.2	17.0	25.4
139	15.2	11.2	16.8

Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 36.26 ng

RT: 14.10 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BF079491.D

Acq: 26 May 2015 22:50

Instrument :

BNA_F

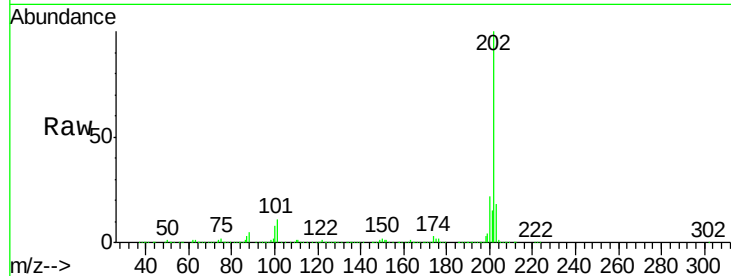
ClientSampleId :

SB-30D

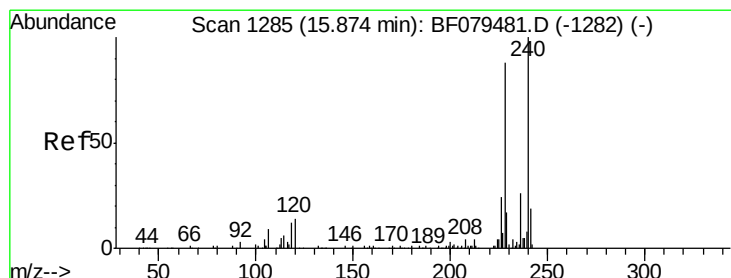
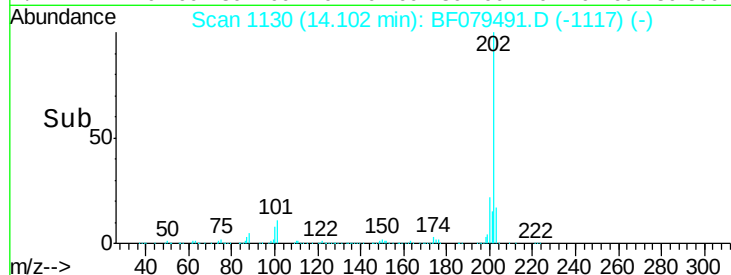
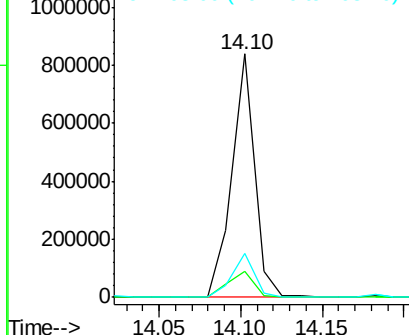
Tot Ion	Ratio	Resp	Lower	Upper
202	100	800397		
101	10.9	0.0	29.3	
203	17.8	0.0	37.6	

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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

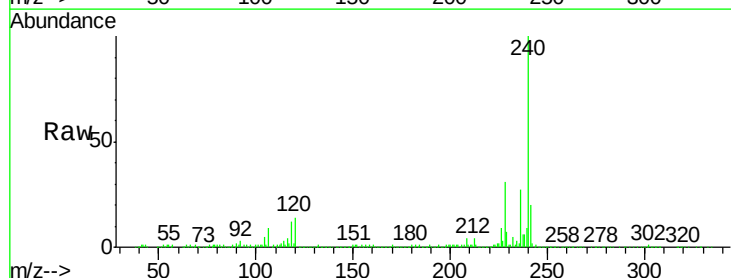
RT: 15.87 min Scan# 1285

Delta R.T. 0.00 min

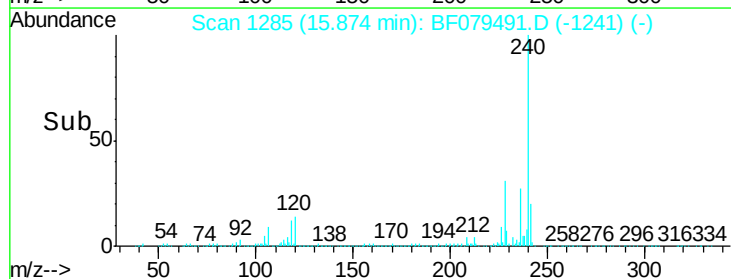
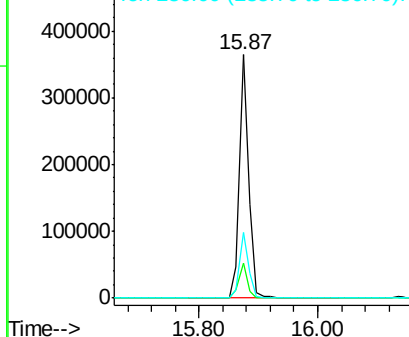
Lab File: BF079491.D

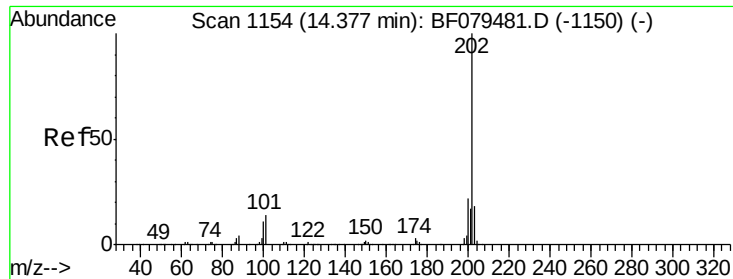
Acq: 26 May 2015 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	389496		
120	14.3	10.8	16.2	
236	26.9	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: 29.68 ng

RT: 14.38 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BF079491.D

Acq: 26 May 2015 22:50

Instrument :

BNA_F

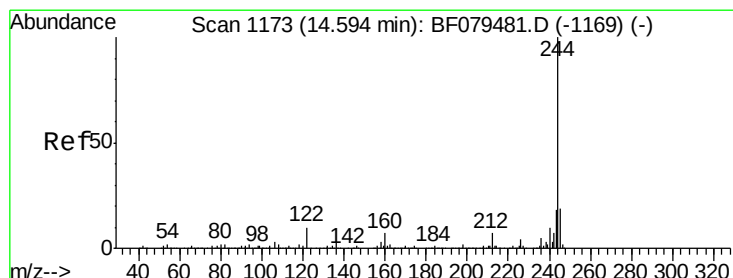
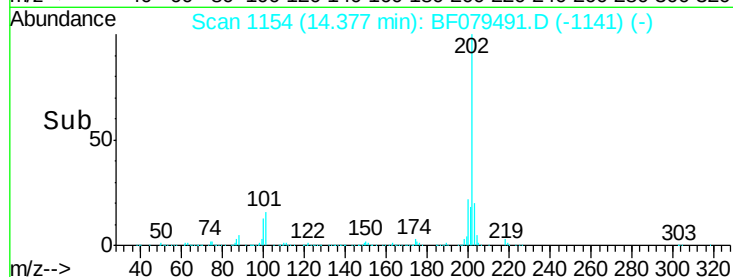
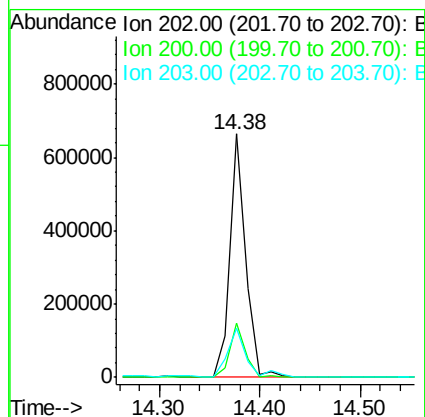
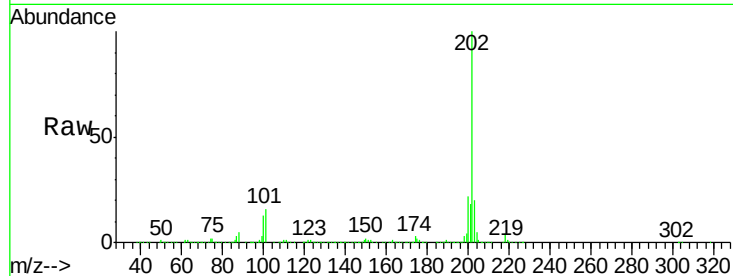
ClientSampleId :

SB-30D

Tot Ion:	202	Resp:	716293
Ion Ratio	Lower	Upper	
202	100		
200	22.1	17.5	26.3
203	20.1	14.4	21.6

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#78

Terphenyl-d14

Concen: 9.05 ng

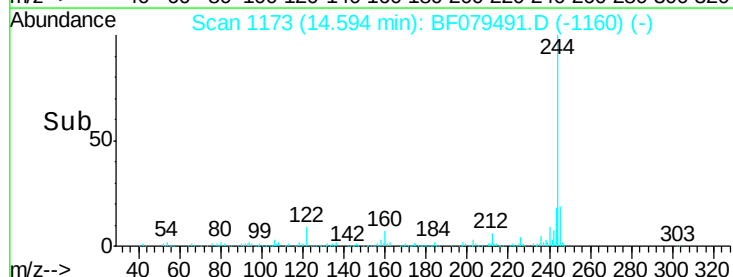
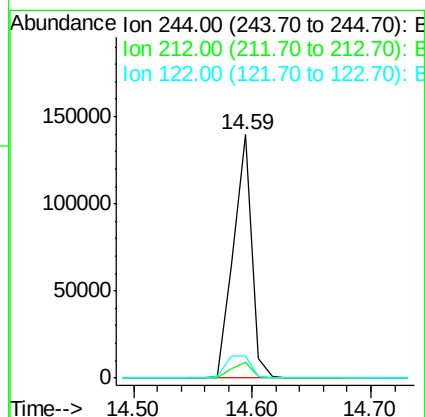
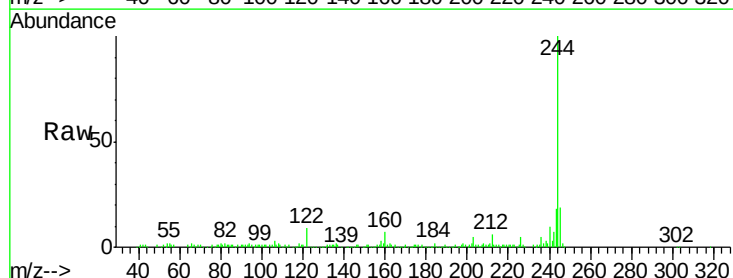
RT: 14.59 min Scan# 1173

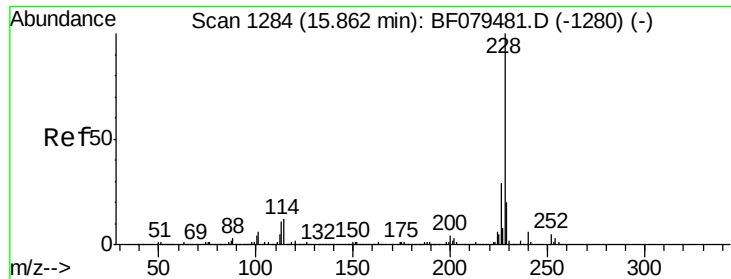
Delta R.T. 0.00 min

Lab File: BF079491.D

Acq: 26 May 2015 22:50

Tgt Ion:	244	Resp:	150193
Ion Ratio	Lower	Upper	
244	100		
212	6.2	5.2	7.8
122	8.9	8.0	12.0





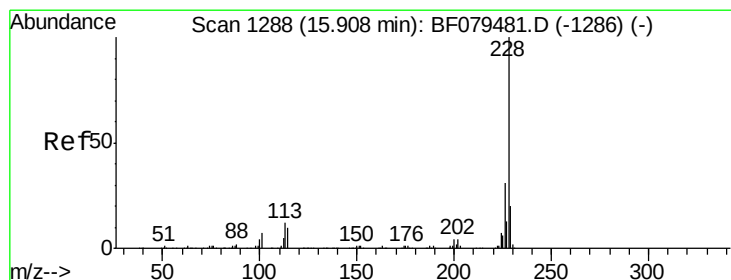
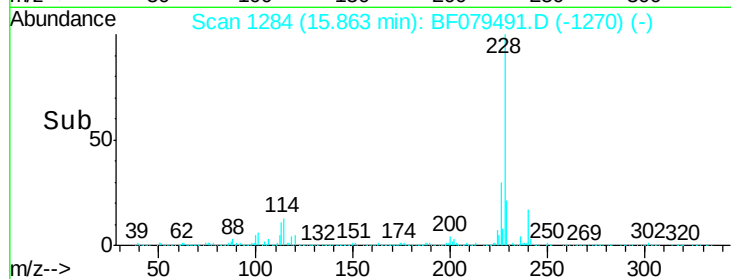
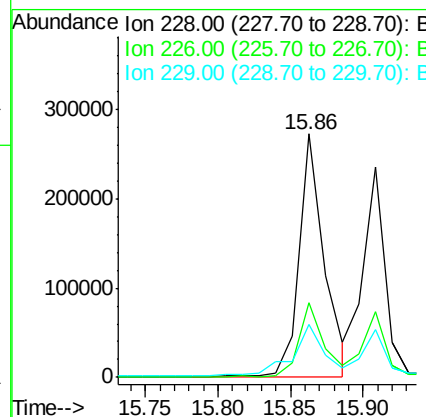
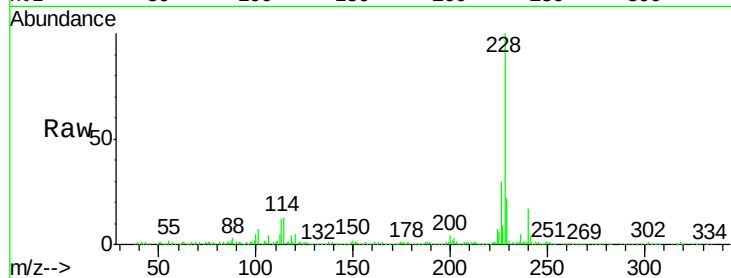
#80
Benzo(a)anthracene
Concen: 14.56 ng
RT: 15.86 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BF079491.D
Acq: 26 May 2015 22:50

Instrument :
BNA_F
ClientSampled :
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Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.8	34.2
229	21.7	15.9	23.9

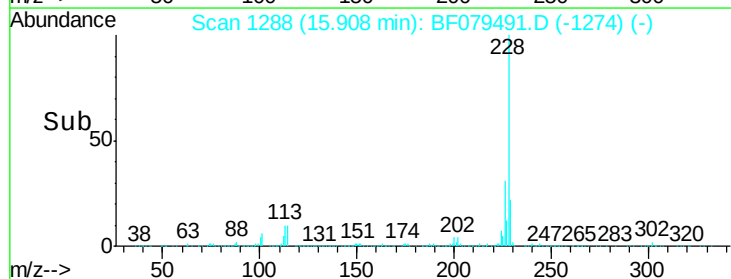
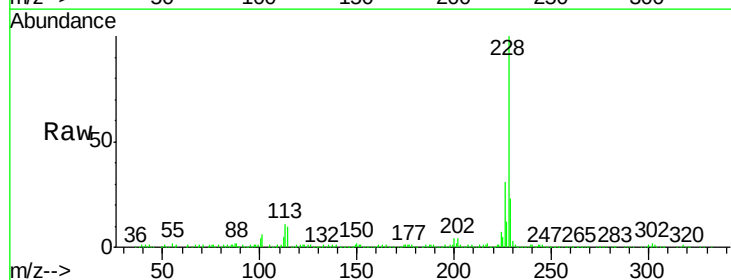
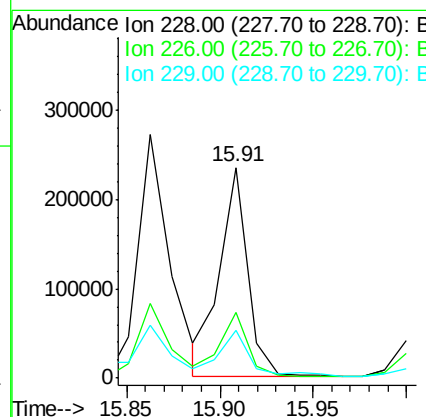
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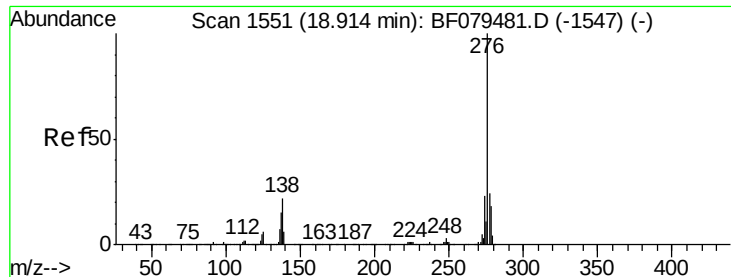
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#82
Chrysene
Concen: 11.58 ng
RT: 15.91 min Scan# 1288
Delta R.T. 0.00 min
Lab File: BF079491.D
Acq: 26 May 2015 22:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.4
229	22.8	15.9	23.9





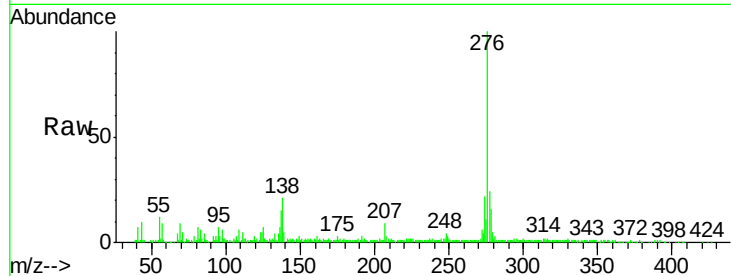
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.77 ng
RT: 18.93 min Scan# 1552
Delta R.T. 0.01 min
Lab File: BF079491.D
Acq: 26 May 2015 22:50

Instrument :
BNA_F
ClientSampled :
SB-30D

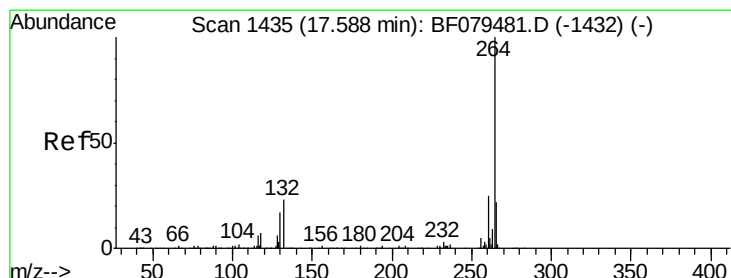
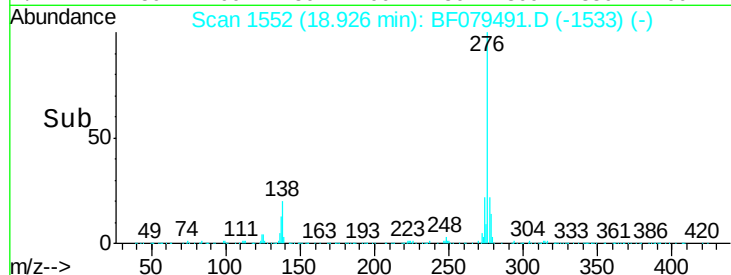
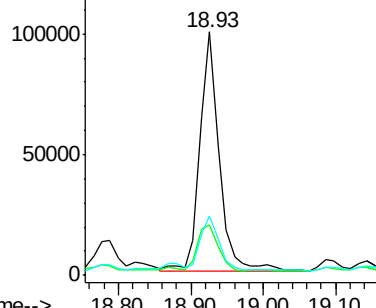
Tot Ion:	276	Resp:	185336
Ion Ratio	Lower	Upper	
276	100		
138	21.5	21.4	32.2
277	25.9	19.8	29.6

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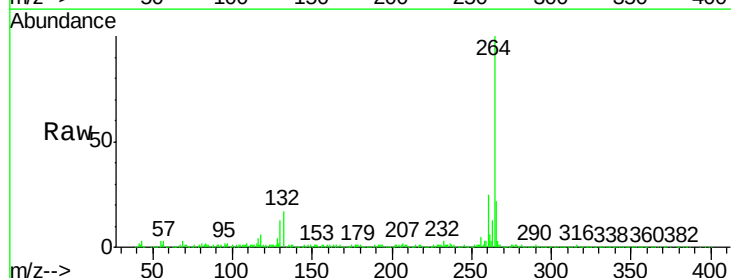


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

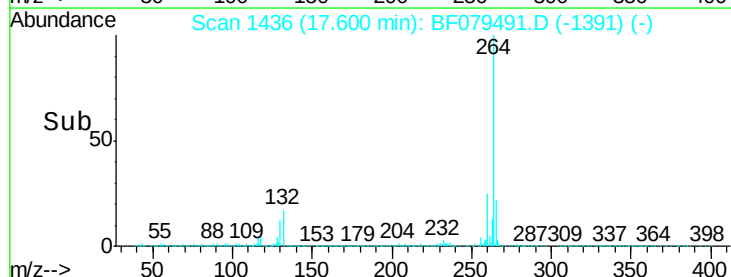
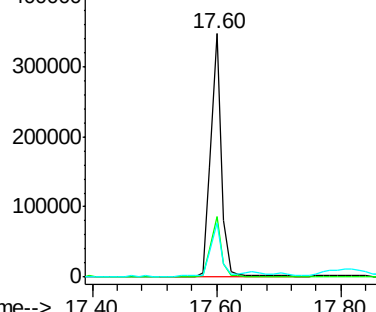


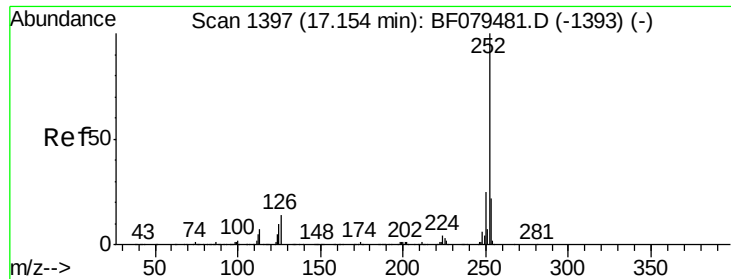
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.60 min Scan# 1436
Delta R.T. 0.01 min
Lab File: BF079491.D
Acq: 26 May 2015 22:50

Tgt Ion:	264	Resp:	422848
Ion Ratio	Lower	Upper	
264	100		
260	25.1	19.8	29.8
265	22.2	17.8	26.6



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





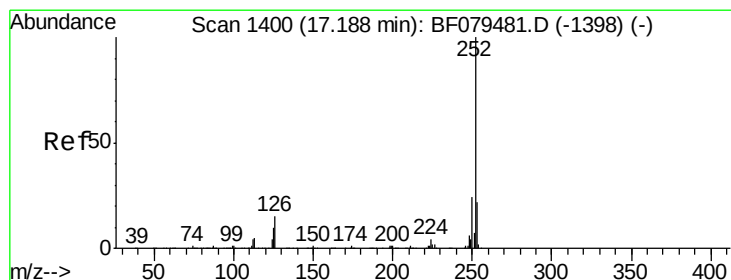
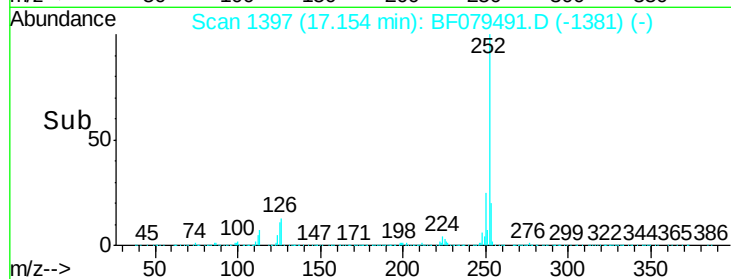
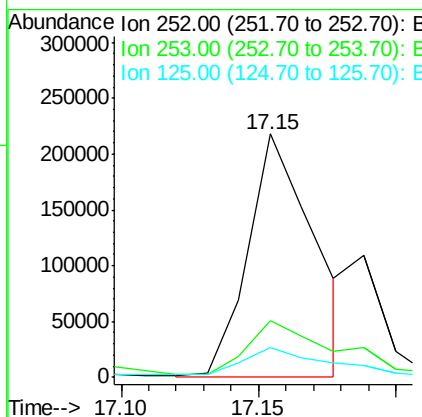
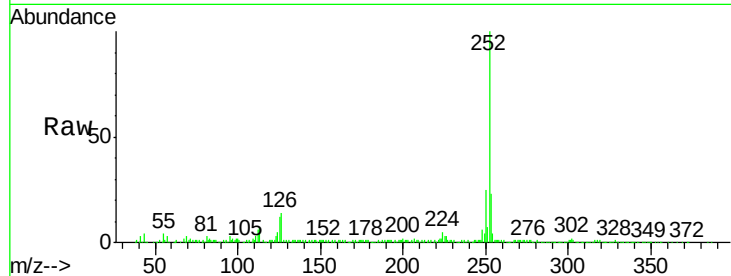
#87
Benzo(b)fluoranthene
Concen: 15.14 ng m
RT: 17.15 min Scan# 1397
Delta R.T. 0.00 min
Lab File: BF079491.D
Acq: 26 May 2015 22:50

Instrument :
BNA_F
ClientSampled :
SB-30D

Tot Ion	Ratio	Resp	Lower	Upper
252	100	365203		
253	23.2		17.6	26.4
125	12.1		7.8	11.6

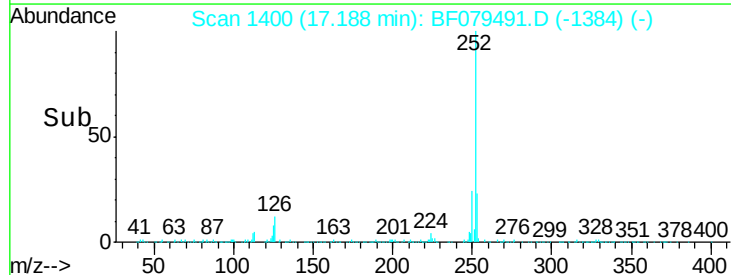
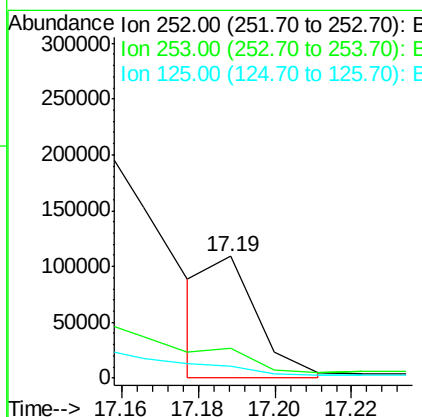
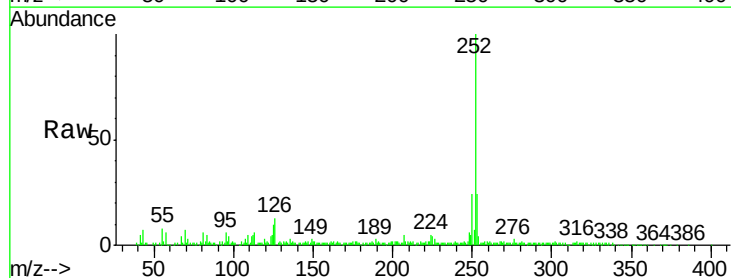
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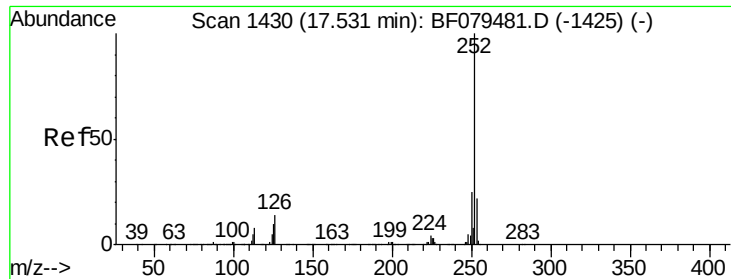
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#88
Benzo(k)fluoranthene
Concen: 4.36 ng m
RT: 17.19 min Scan# 1400
Delta R.T. 0.00 min
Lab File: BF079491.D
Acq: 26 May 2015 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	94057		
253	24.2		17.2	25.8
125	9.6		6.8	10.2





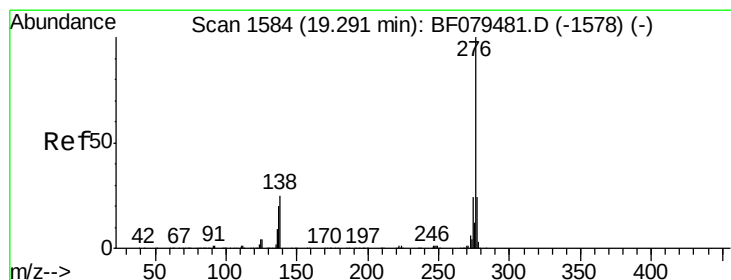
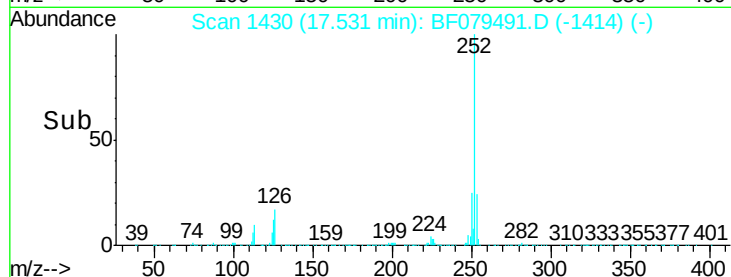
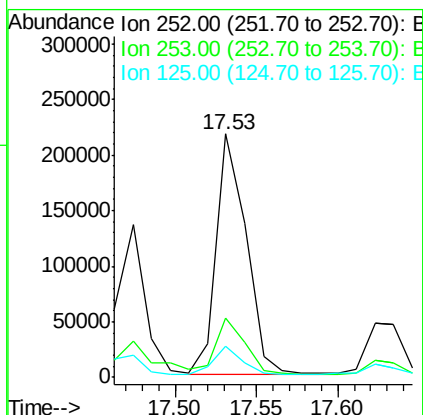
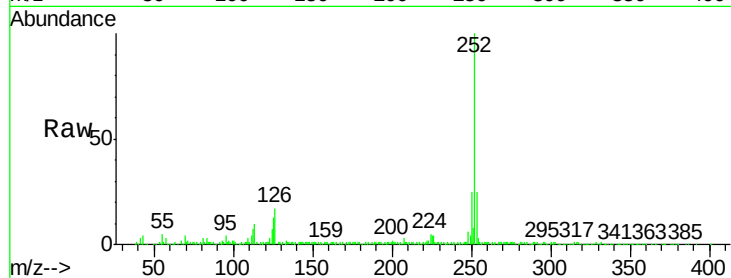
#89
Benzo(a)pyrene
Concen: 11.75 ng
RT: 17.53 min Scan# 1430
Delta R.T. 0.00 min
Lab File: BF079491.D
Acq: 26 May 2015 22:50

Instrument :
BNA_F
ClientSampled :
SB-30D

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	24.5	17.8	26.8
125	13.0	7.9	11.9

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#91
Benzo(g,h,i)perylene
Concen: 5.51 ng
RT: 19.31 min Scan# 1586
Delta R.T. 0.02 min
Lab File: BF079491.D
Acq: 26 May 2015 22:50

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	23.8	19.1	28.7
138	22.1	20.1	30.1

