

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052715\
 Data File : BF079532.D
 Acq On : 27 May 2015 21:54
 Operator : TP/IZ
 Sample : G2359-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-28D

Manual Integrations
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Quant Time: May 28 01:46:48 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 00:48:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	75328	20.00	ng	0.00
21) Naphthalene-d8	8.58	136	311234	20.00	ng	0.00
38) Acenaphthene-d10	10.74	164	154334	20.00	ng	0.00
63) Phenanthrene-d10	12.58	188	286661	20.00	ng	0.00
75) Chrysene-d12	15.86	240	307351	20.00	ng	-0.08
86) Perylene-d12	17.54	264	325937	20.00	ng	-0.34
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	410955m	94.62	ng	0.00
7) Phenol-d6	6.59	99	528405m	95.46	ng	0.00
23) Nitrobenzene-d5	7.70	82	299147	55.56	ng	0.00
41) 2,4,6-Tribromophenol	11.73	330	152564	90.00	ng	-0.01
44) 2-Fluorobiphenyl	9.93	172	548784	50.73	ng	0.00
78) Terphenyl-d14	14.57	244	546692	41.74	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	10.43	163	41515	3.65	ng	99
51) Acenaphthene	10.79	154	27898	3.09	ng	97
57) Fluorene	11.43	166	36390	3.31	ng	98
70) Phenanthrene	12.61	178	516918	32.87	ng	99
71) Anthracene	12.67	178	149698	9.38	ng	100
72) Carbazole	12.89	167	36601	2.38	ng	98
74) Fluoranthene	14.08	202	772168	45.79	ng	93
77) Pyrene	14.37	202	723222	37.98	ng	99
80) Benzo(a)anthracene	15.85	228	472073	26.70	ng	99
82) Chrysene	15.90	228	318664	18.96	ng	98
85) Indeno(1,2,3-cd)pyrene	18.86	276	240104m	11.11	ng	
87) Benzo(b)fluoranthene	17.12	252	456960m	24.58	ng	
88) Benzo(k)fluoranthene	17.13	252	204579m	12.31	ng	
89) Benzo(a)pyrene	17.49	252	381262	22.42	ng	99
90) Dibenzo(a,h)anthracene	18.87	278	62812m	2.24	ng	
91) Benzo(g,h,i)perylene	19.23	276	239244	12.62	ng	96

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

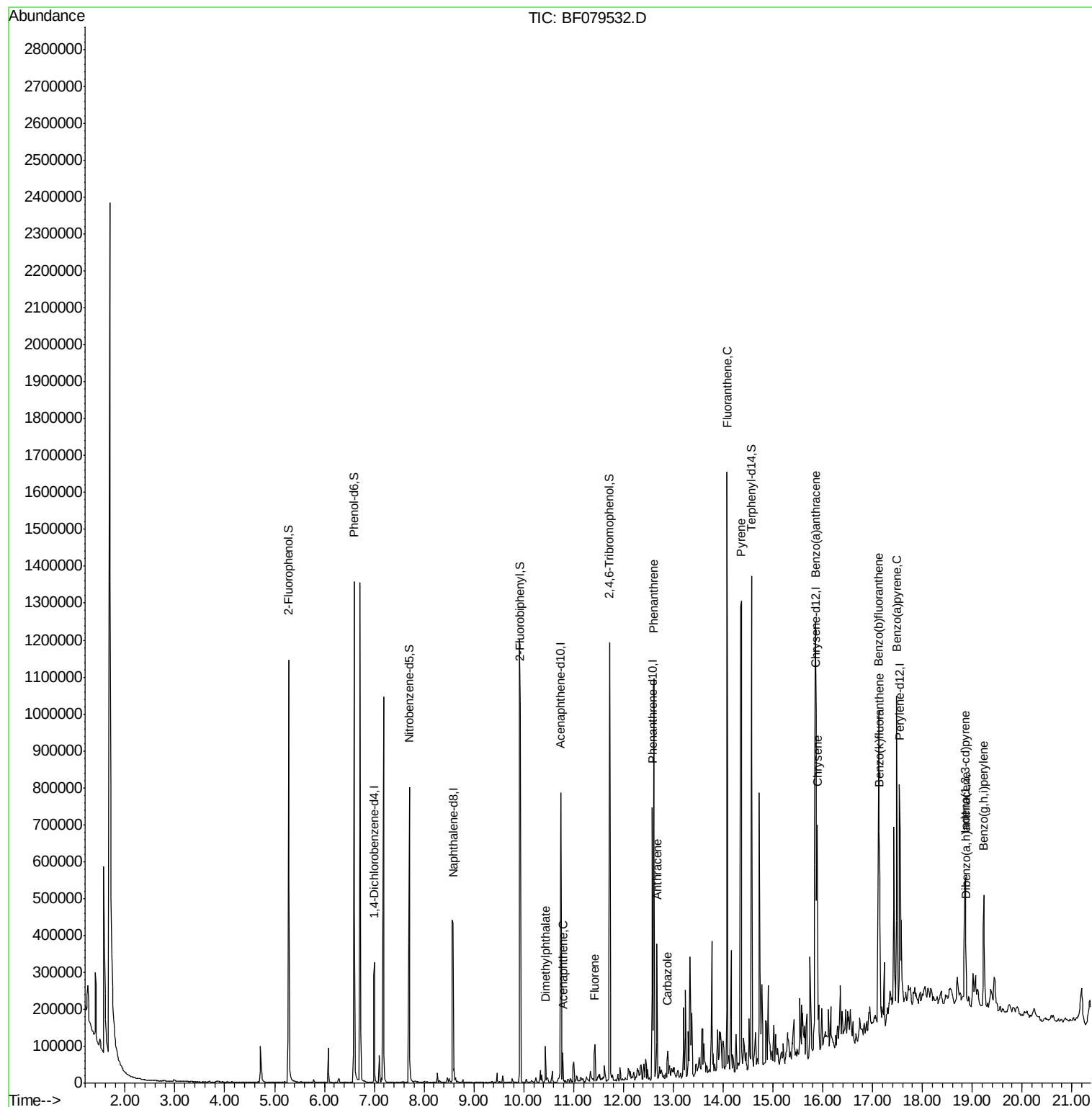
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052715\
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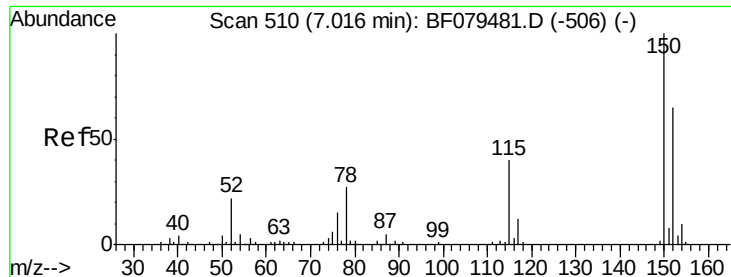
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#1

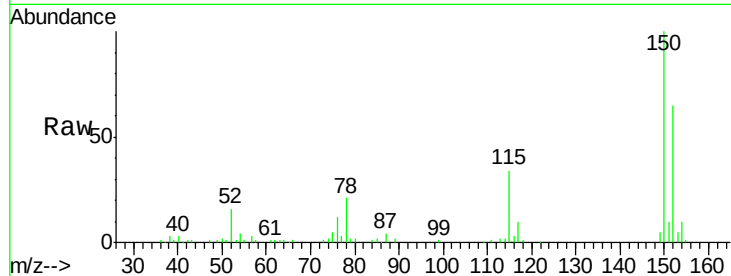
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.00 min Scan# 509
Delta R.T. -0.00 min
Lab File: BF079532.D
Acq: 27 May 2015 21:54

Instrument :
BNA_F
ClientSampleId :
SB-28D

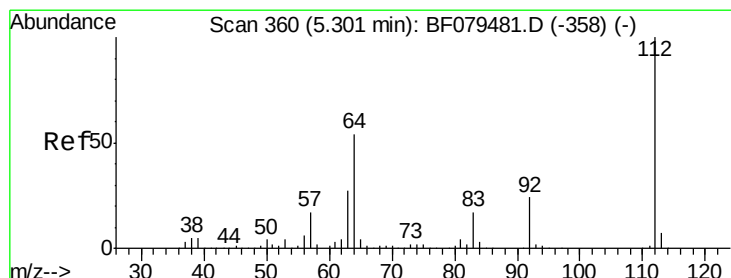
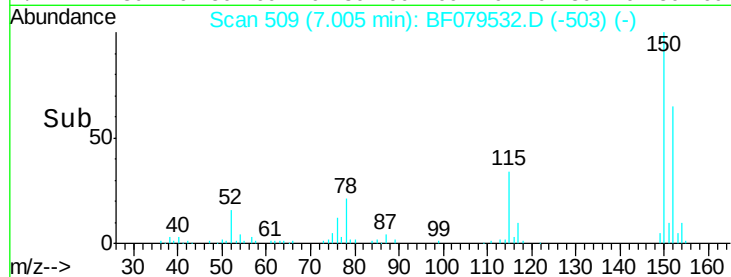
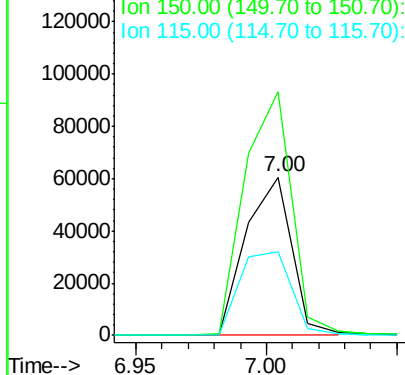
Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.1	124.0	186.0
115	52.7	49.6	74.4

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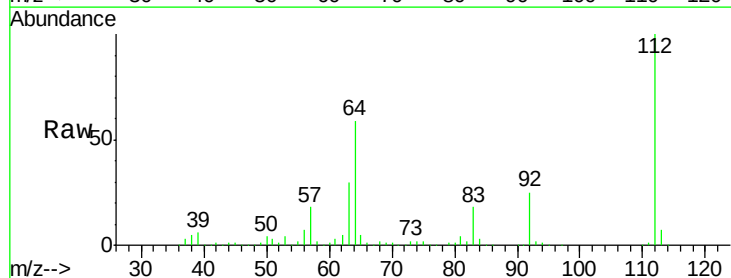
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



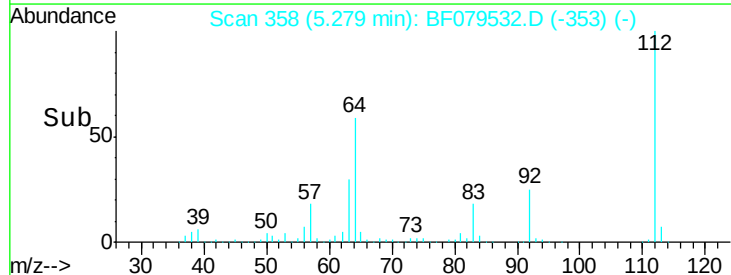
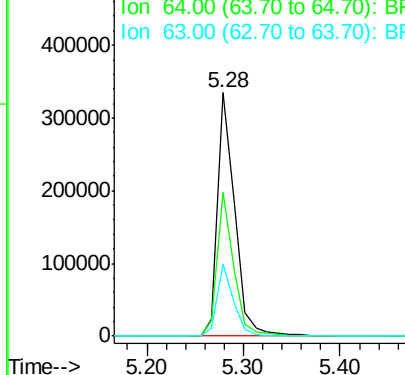
#5

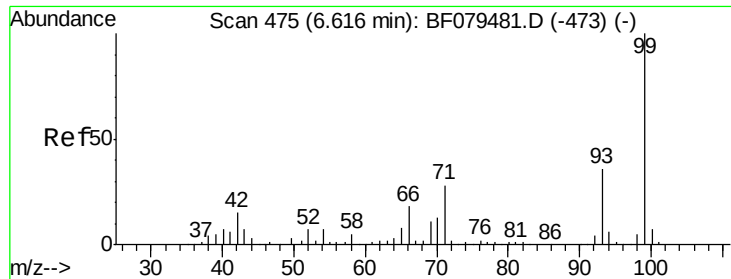
2-Fluorophenol
Concen: 94.62 ng m
RT: 5.28 min Scan# 358
Delta R.T. -0.00 min
Lab File: BF079532.D
Acq: 27 May 2015 21:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	43.5	65.3
63	29.9	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: 95.46 ng m

RT: 6.59 min Scan# 473

Delta R.T. -0.00 min

Lab File: BF079532.D

Acq: 27 May 2015 21:54

Instrument :

BNA_F

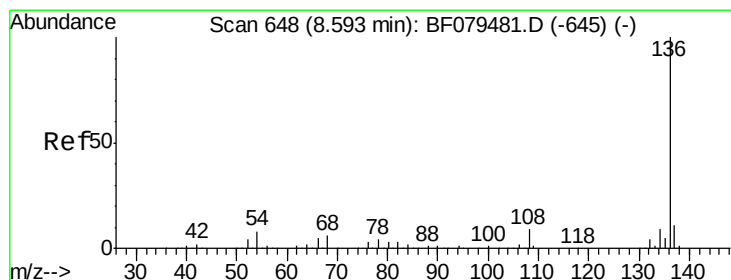
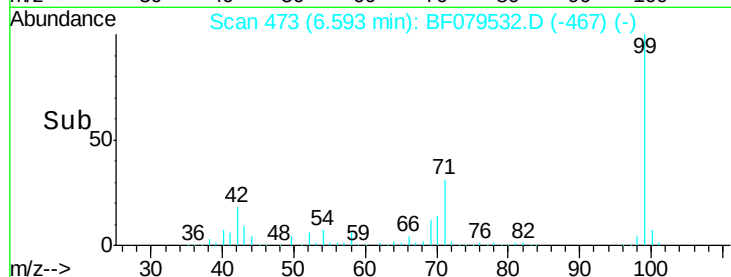
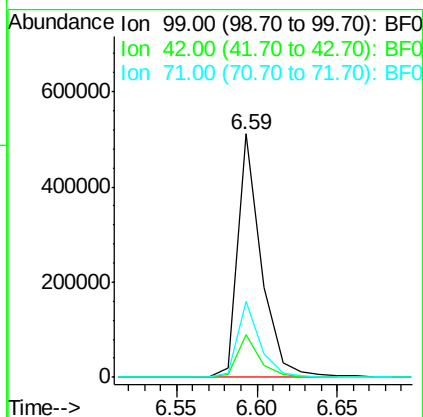
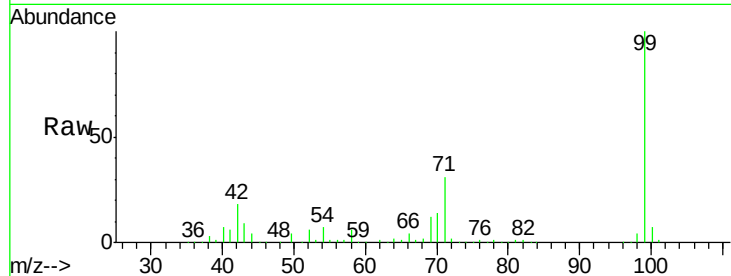
ClientSampleId :

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Tgt Ion:	99	Resp:	528405
Ion Ratio	Lower	Upper	
99	100		
42	17.5	11.9	17.9
71	31.3	22.1	33.1

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#21

Naphthalene-d8

Concen: 20.00 ng

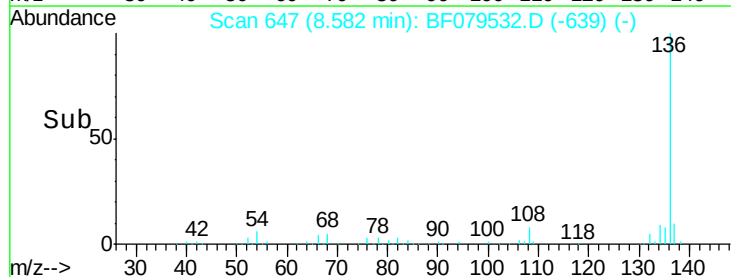
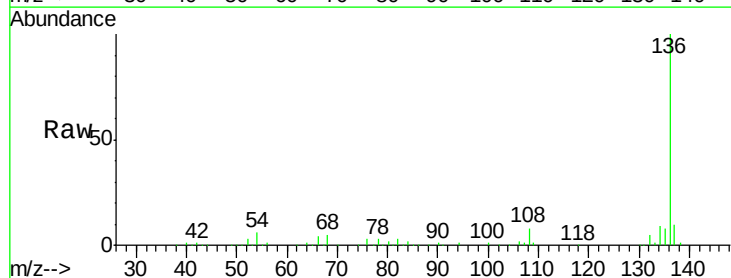
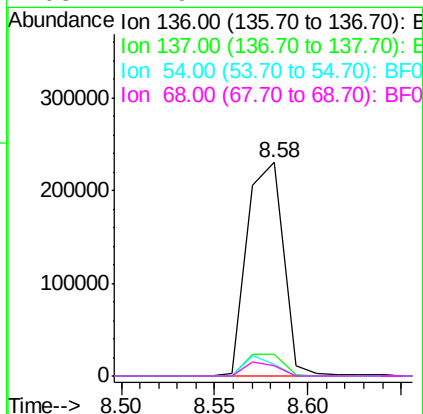
RT: 8.58 min Scan# 647

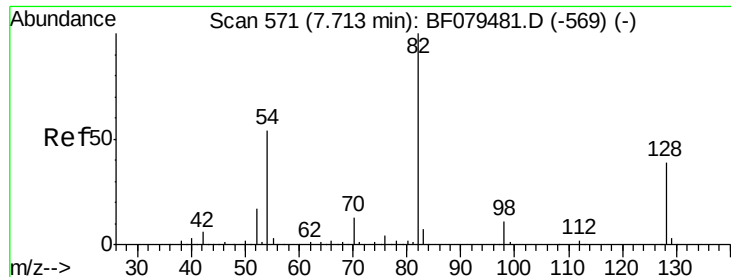
Delta R.T. -0.00 min

Lab File: BF079532.D

Acq: 27 May 2015 21:54

Tgt Ion:	136	Resp:	311234
Ion Ratio	Lower	Upper	
136	100		
137	10.2	8.5	12.7
54	5.7	6.6	9.8#
68	4.9	4.7	7.1





#23

Nitrobenzene-d5

Concen: 55.56 ng

RT: 7.70 min Scan# 570

Delta R.T. -0.00 min

Lab File: BF079532.D

Acq: 27 May 2015 21:54

Instrument :

BNA_F

ClientSampled :

SB-28D

Tgt Ion: 82 Resp: 299147
Ion Ratio Lower Upper

82 100

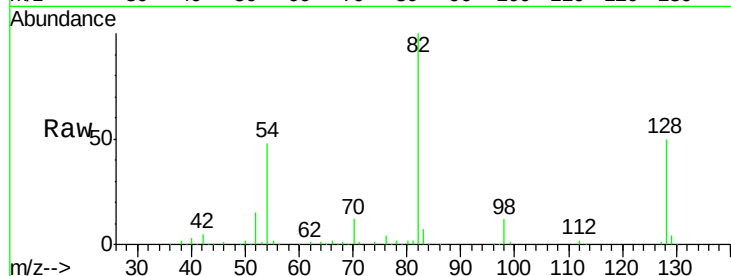
128 50.1 30.8 46.2#

54 47.6 42.8 64.2

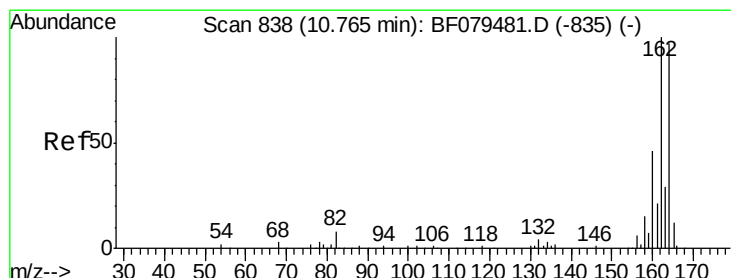
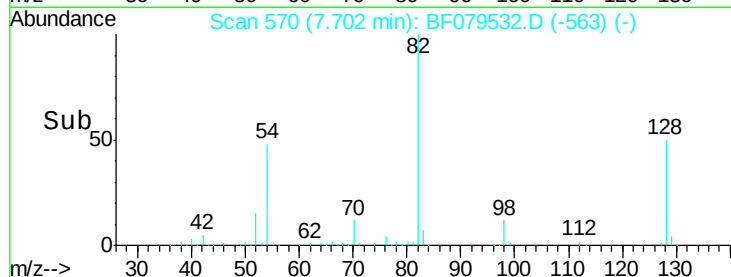
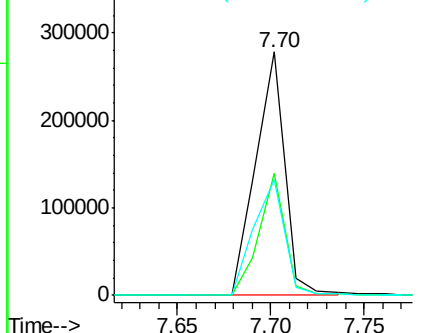
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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.74 min Scan# 836

Delta R.T. -0.00 min

Lab File: BF079532.D

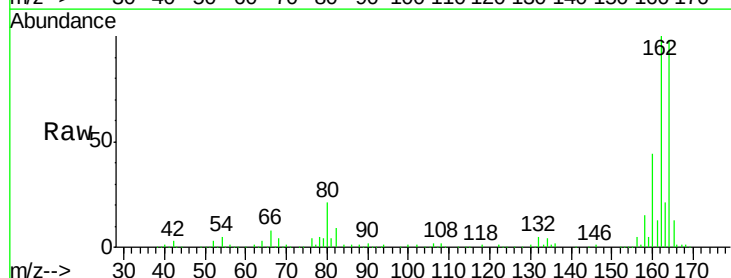
Acq: 27 May 2015 21:54

Tgt Ion: 164 Resp: 154334
Ion Ratio Lower Upper

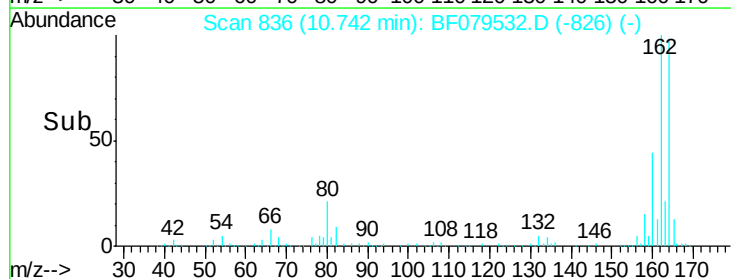
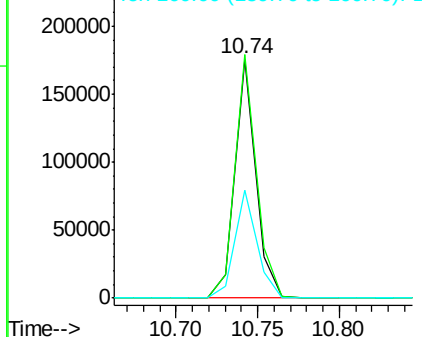
164 100

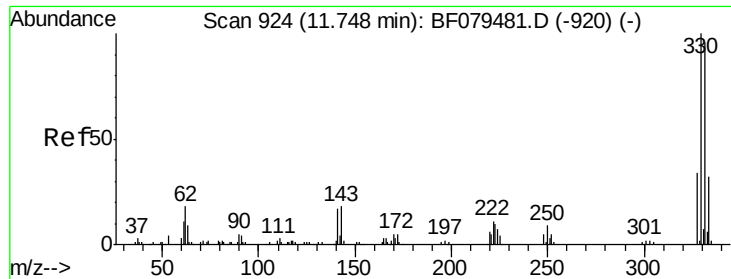
162 102.0 82.6 124.0

160 45.2 37.7 56.5



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





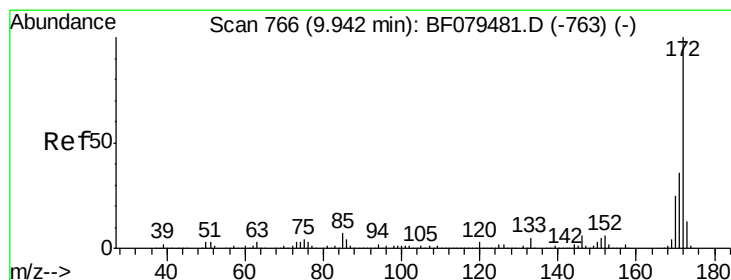
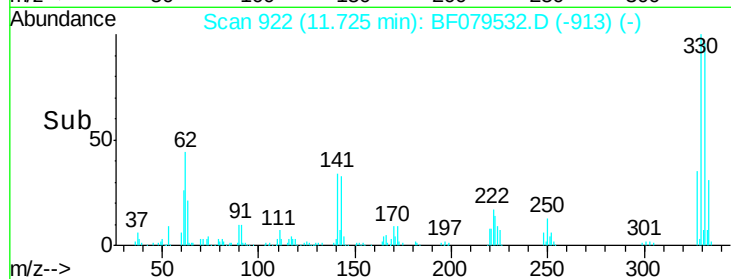
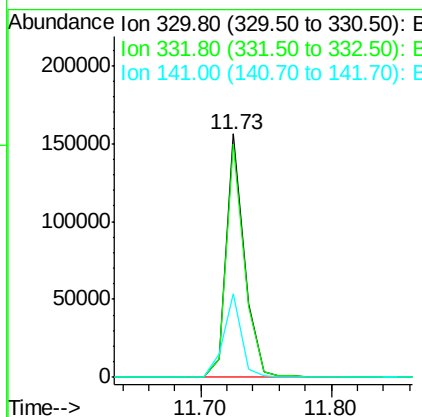
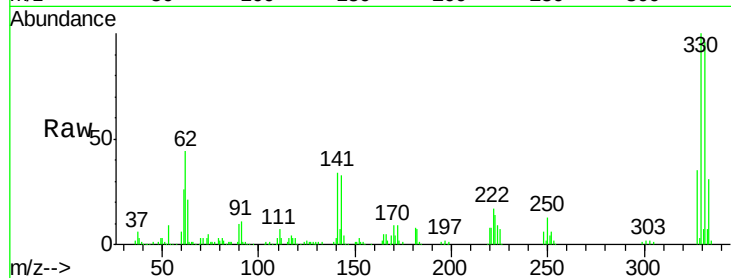
#41
 2,4,6-Tribromophenol
 Concen: 90.00 ng
 RT: 11.73 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF079532.D
 Acq: 27 May 2015 21:54

Instrument :
 BNA_F
 ClientSampled :
 SB-28D

Tgt Ion:	330	Resp:	152564
Ion Ratio	Lower	Upper	
330	100		
332	96.4	0.0	0.0#
141	34.8	0.0	0.0#

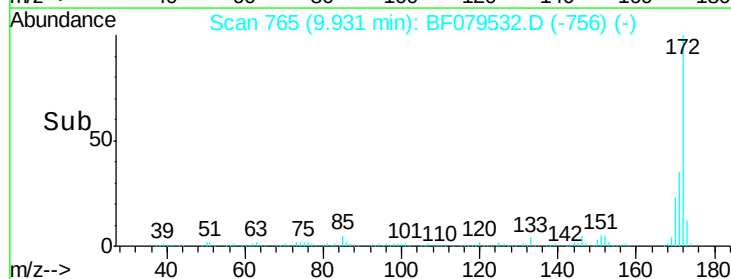
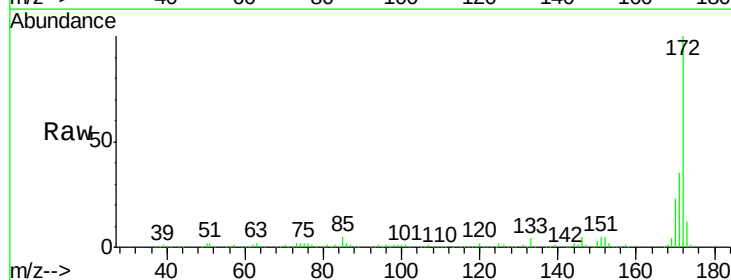
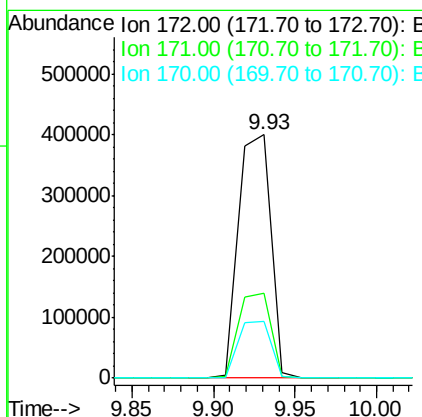
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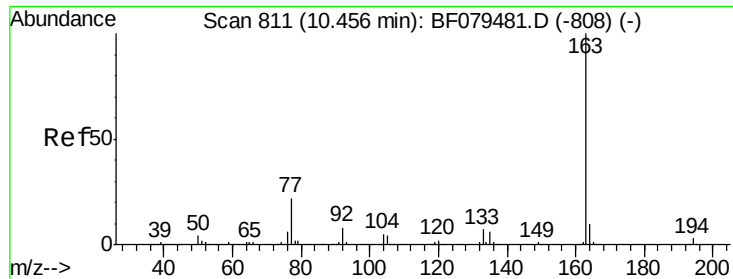
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#44
 2-Fluorobiphenyl
 Concen: 50.73 ng
 RT: 9.93 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: BF079532.D
 Acq: 27 May 2015 21:54

Tgt Ion:	172	Resp:	548784
Ion Ratio	Lower	Upper	
172	100		
171	34.8	28.5	42.7
170	23.5	19.7	29.5





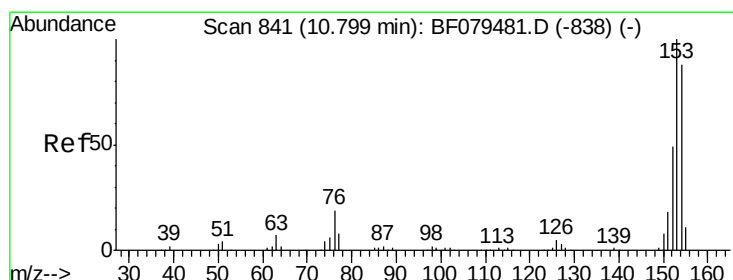
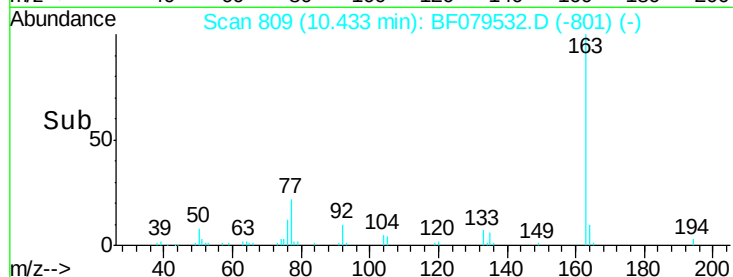
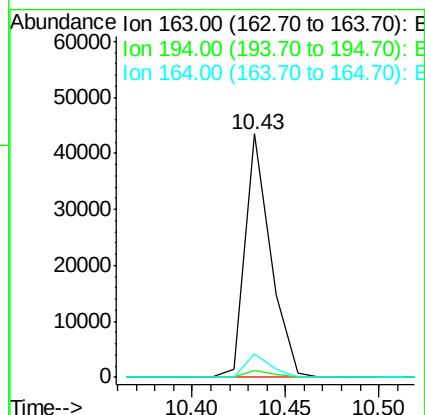
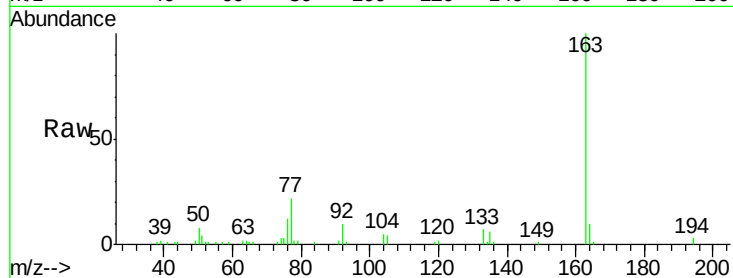
#49
Dimethylphthalate
Concen: 3.65 ng
RT: 10.43 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF079532.D
Acq: 27 May 2015 21:54

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:	163	Resp:	41515
Ion Ratio	Lower	Upper	
163	100		
194	3.0	2.4	3.6
164	9.7	8.2	12.4

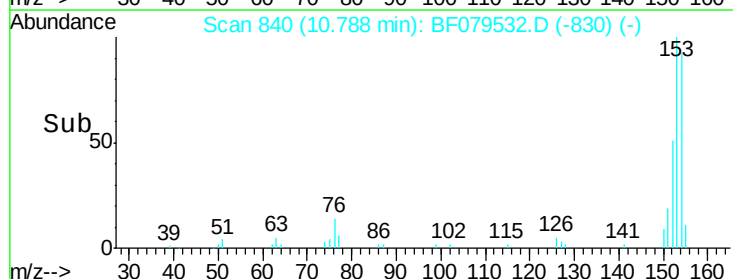
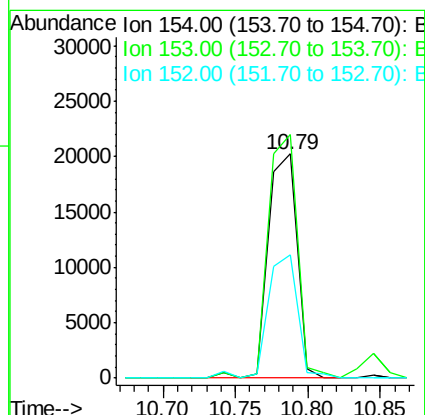
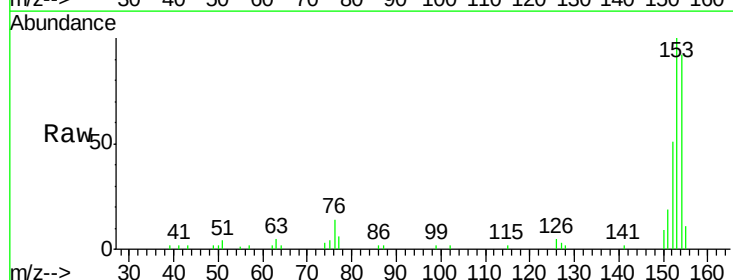
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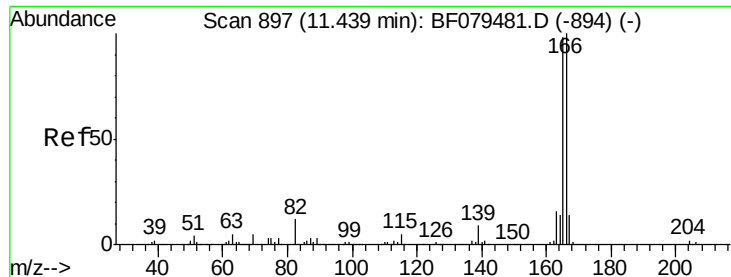
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#51
Acenaphthene
Concen: 3.09 ng
RT: 10.79 min Scan# 840
Delta R.T. -0.00 min
Lab File: BF079532.D
Acq: 27 May 2015 21:54

Tgt Ion:	154	Resp:	27898
Ion Ratio	Lower	Upper	
154	100		
153	108.8	91.1	136.7
152	55.1	44.6	66.8





#57

Fluorene

Concen: 3.31 ng

RT: 11.43 min Scan# 896

Delta R.T. -0.00 min

Lab File: BF079532.D

Acq: 27 May 2015 21:54

Instrument :

BNA_F

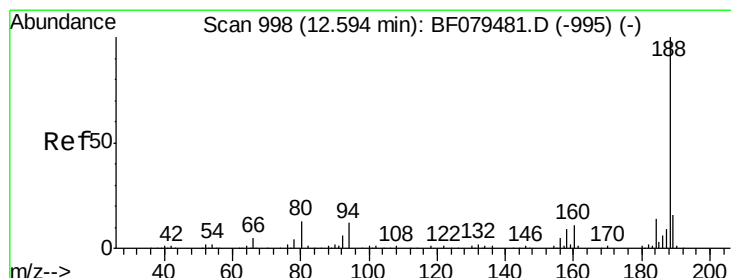
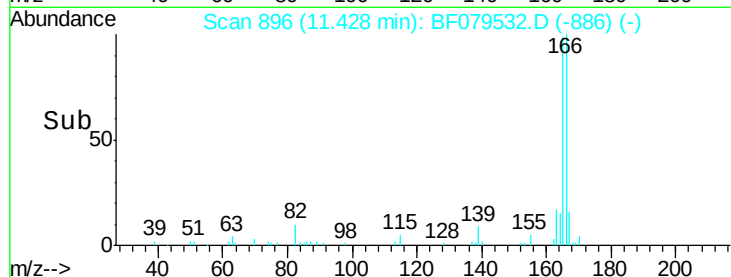
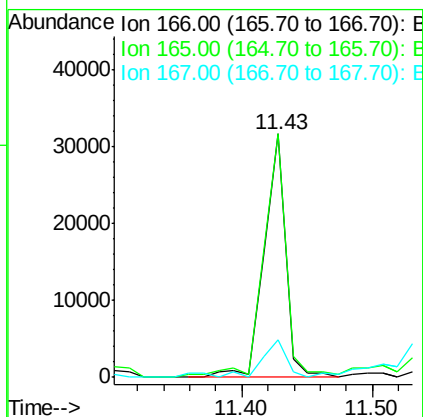
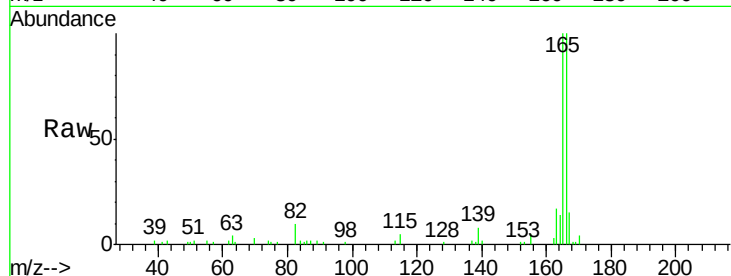
ClientSampleId :

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Tgt Ion:	166	Resp:	36390
Ion Ratio	Lower	Upper	
166	100		
165	100.1	78.6	117.8
167	15.4	10.8	16.2

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#63

Phenanthrene-d10

Concen: 20.00 ng

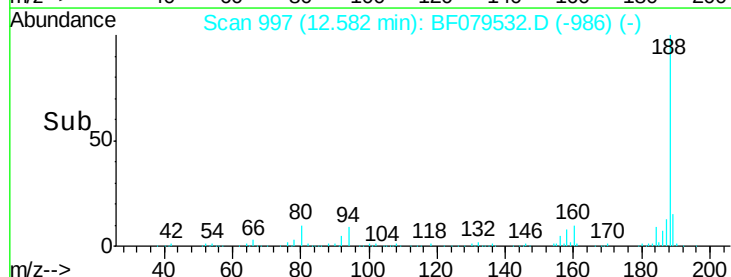
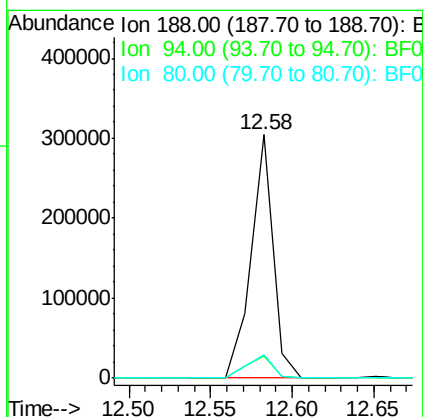
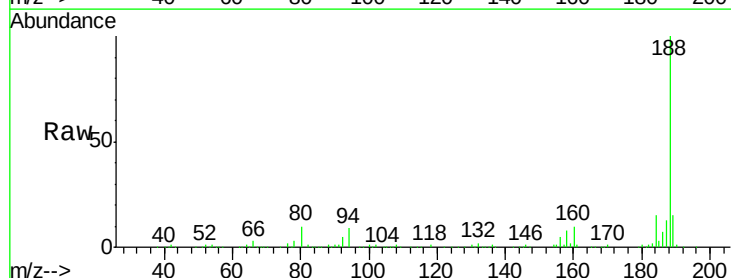
RT: 12.58 min Scan# 997

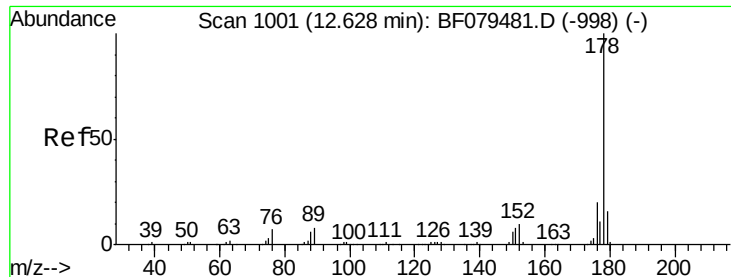
Delta R.T. -0.00 min

Lab File: BF079532.D

Acq: 27 May 2015 21:54

Tgt Ion:	188	Resp:	286661
Ion Ratio	Lower	Upper	
188	100		
94	9.1	9.8	14.6#
80	9.6	10.5	15.7#





#70

Phenanthrene

Concen: 32.87 ng

RT: 12.61 min Scan# 999

Delta R.T. -0.01 min

Lab File: BF079532.D

Acq: 27 May 2015 21:54

Instrument :

BNA_F

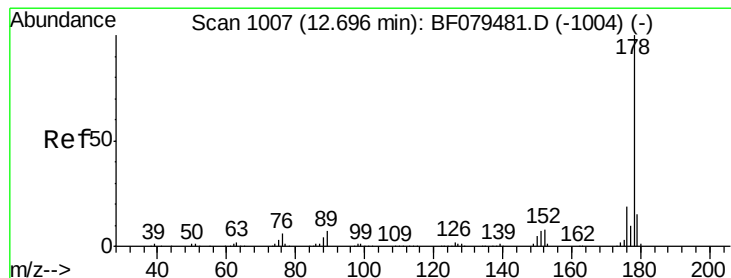
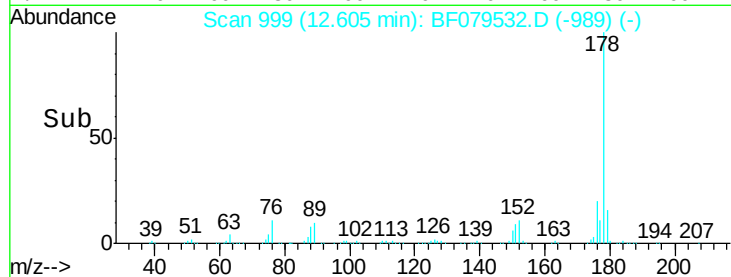
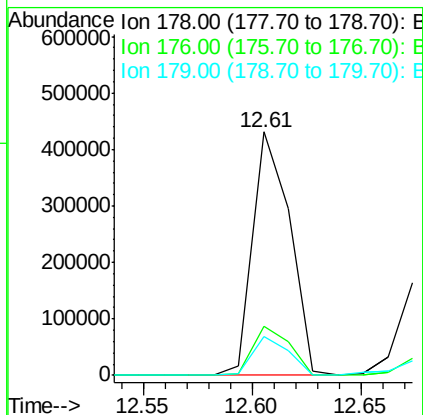
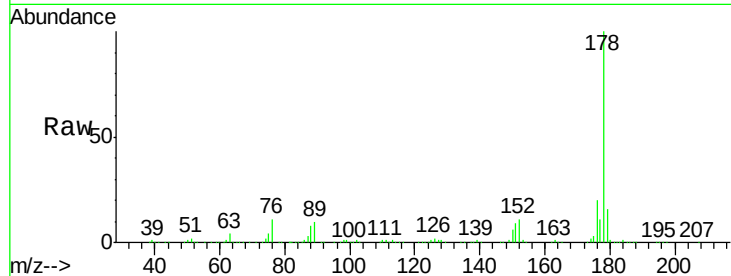
ClientSampled :

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Tgt Ion:	178	Resp:	516918
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.7	23.5
179	15.9	12.4	18.6

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#71

Anthracene

Concen: 9.38 ng

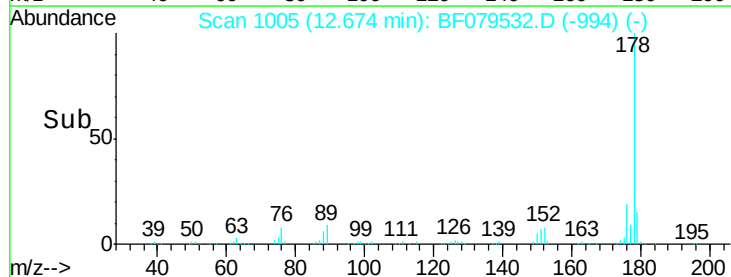
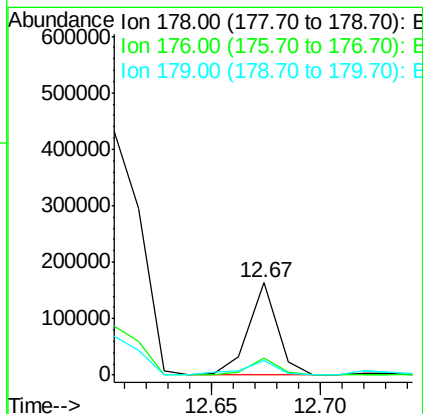
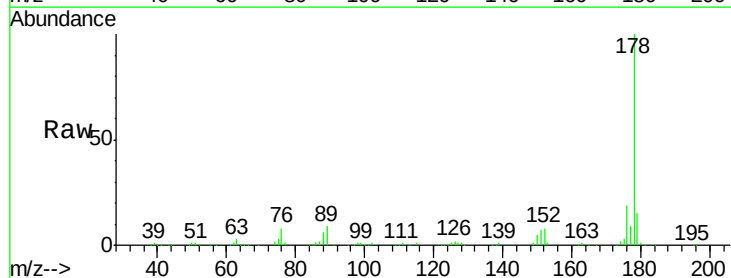
RT: 12.67 min Scan# 1005

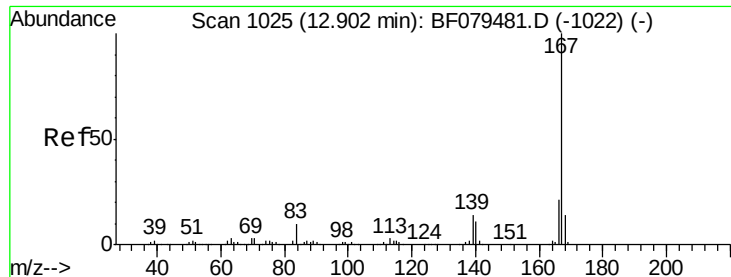
Delta R.T. -0.00 min

Lab File: BF079532.D

Acq: 27 May 2015 21:54

Tgt Ion:	178	Resp:	149698
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.3	22.9
179	15.4	12.2	18.4





#72

Carbazole

Concen: 2.38 ng

RT: 12.89 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BF079532.D

Acq: 27 May 2015 21:54

Instrument :

BNA_F

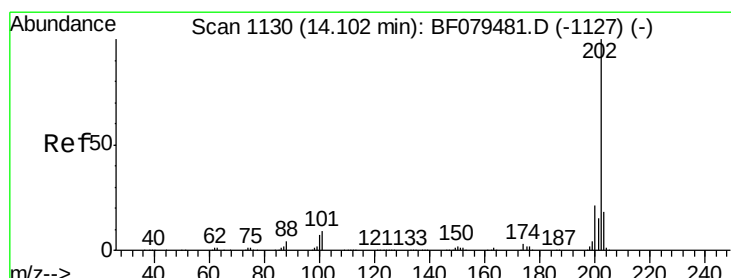
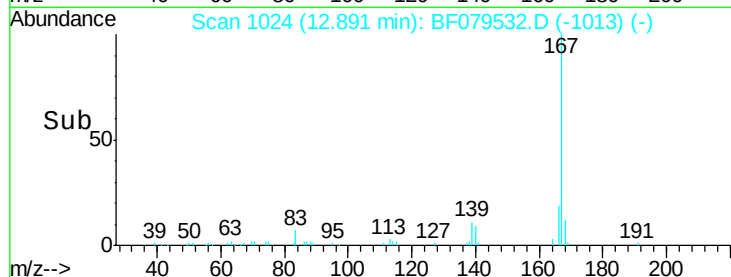
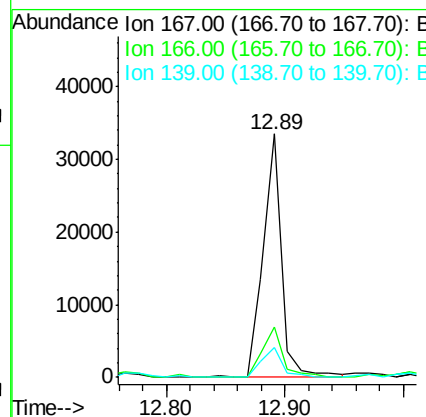
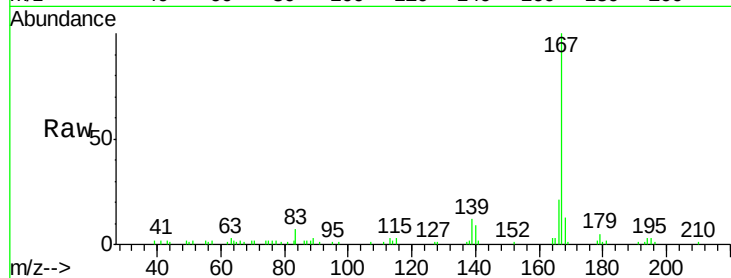
ClientSampleId :

SB-28D

Tgt Ion:	167	Resp:	36601
Ion Ratio	Lower	Upper	
167	100		
166	20.8	17.0	25.4
139	12.0	11.2	16.8

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#74

Fluoranthene

Concen: 45.79 ng

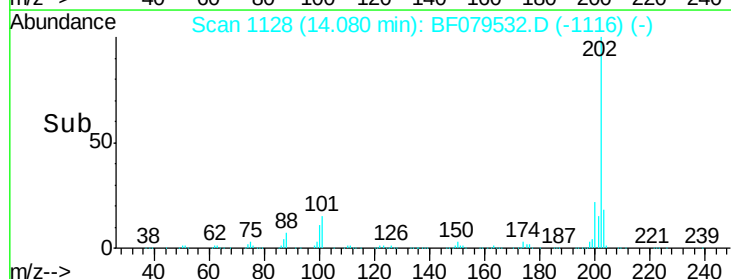
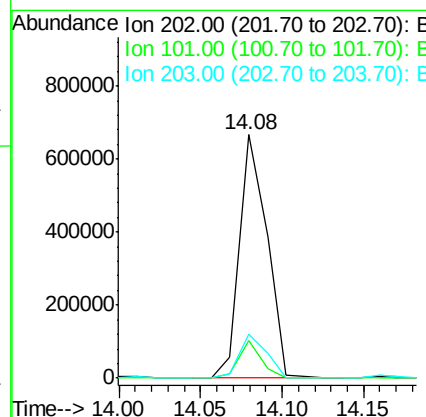
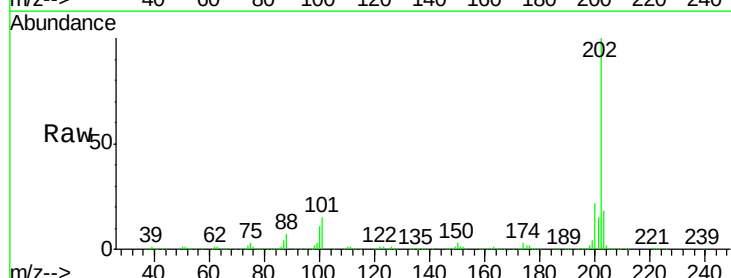
RT: 14.08 min Scan# 1128

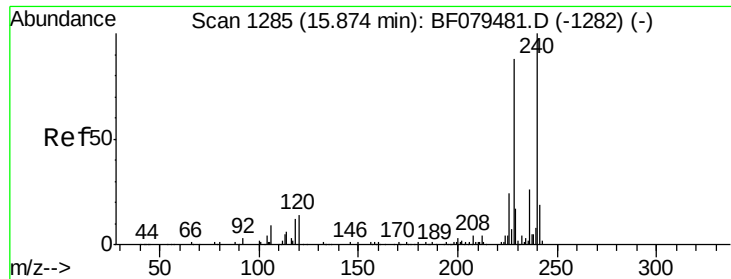
Delta R.T. -0.01 min

Lab File: BF079532.D

Acq: 27 May 2015 21:54

Tgt Ion:	202	Resp:	772168
Ion Ratio	Lower	Upper	
202	100		
101	15.5	0.0	29.3
203	18.2	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.86 min Scan# 1284

Delta R.T. -0.08 min

Lab File: BF079532.D

Acq: 27 May 2015 21:54

Instrument :

BNA_F

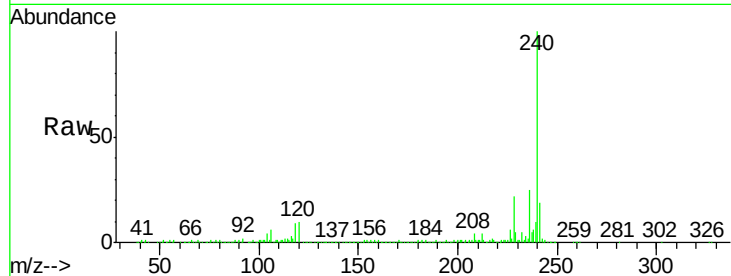
ClientSampleId :

SB-28D

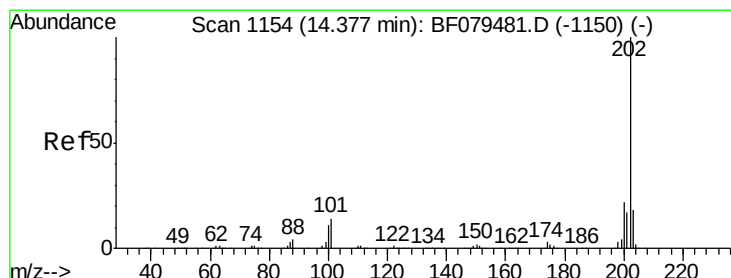
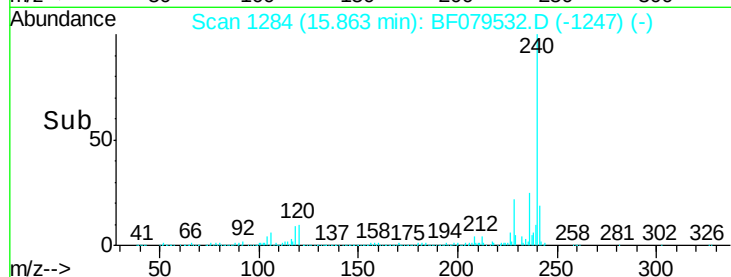
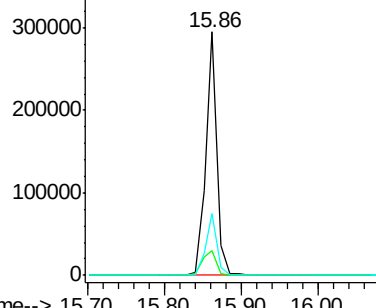
Tgt Ion:	240	Resp:	307351
Ion Ratio		Lower	Upper
240	100		
120	10.3	10.8	16.2#
236	25.2	21.0	31.6

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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



#77

Pyrene

Concen: 37.98 ng

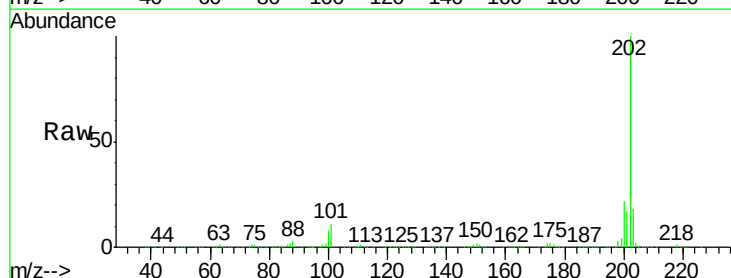
RT: 14.37 min Scan# 1153

Delta R.T. -0.00 min

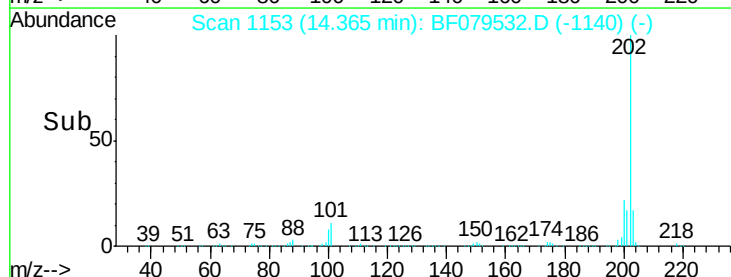
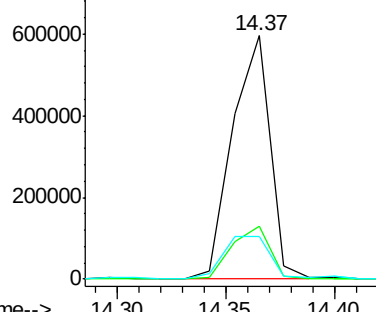
Lab File: BF079532.D

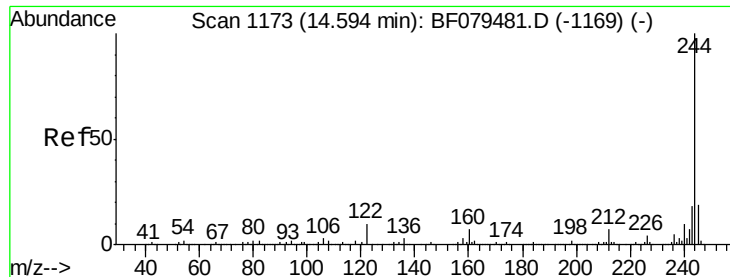
Acq: 27 May 2015 21:54

Tgt Ion:	202	Resp:	723222
Ion Ratio		Lower	Upper
202	100		
200	21.7	17.5	26.3
203	17.6	14.4	21.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





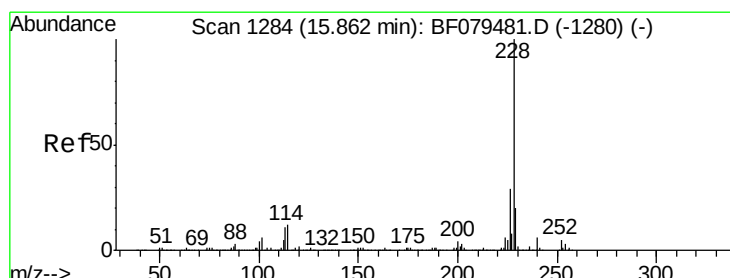
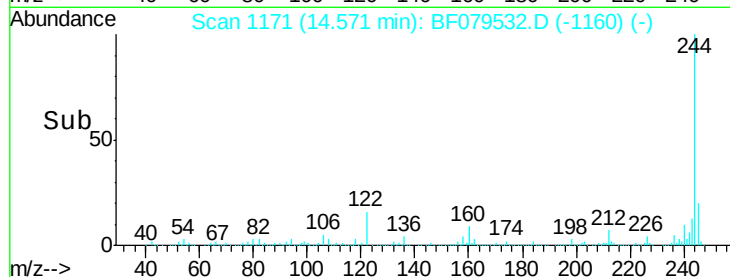
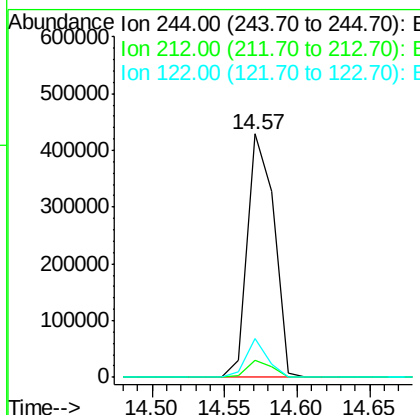
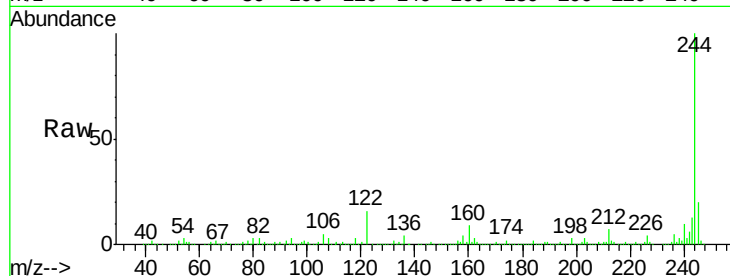
#78
 Terphenyl-d14
 Concen: 41.74 ng
 RT: 14.57 min Scan# 1171
 Delta R.T. -0.02 min
 Lab File: BF079532.D
 Acq: 27 May 2015 21:54

Instrument :
 BNA_F
 ClientSampleId :
 SB-28D

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.2	5.2	7.8
122	15.9	8.0	12.0

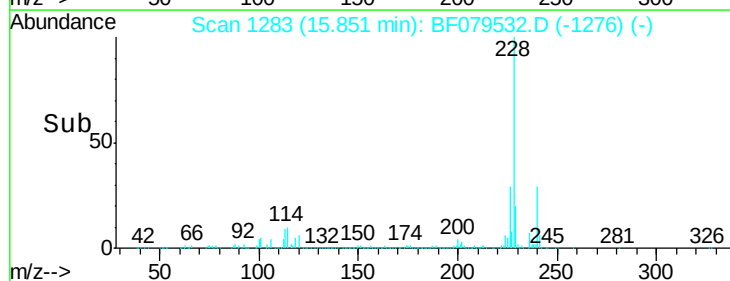
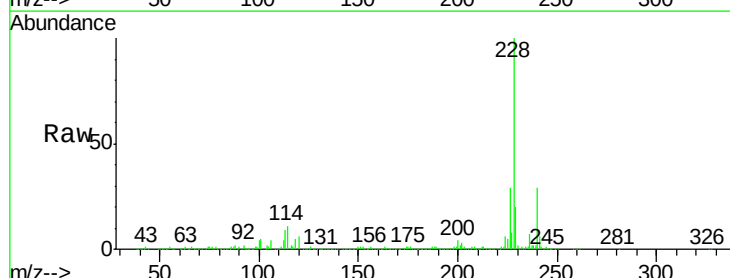
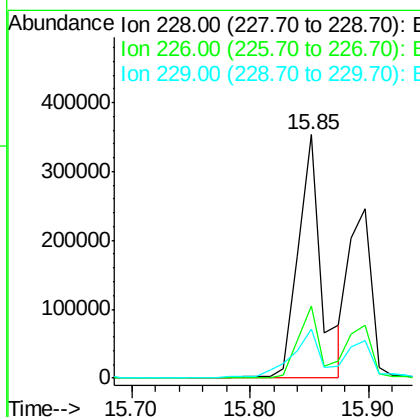
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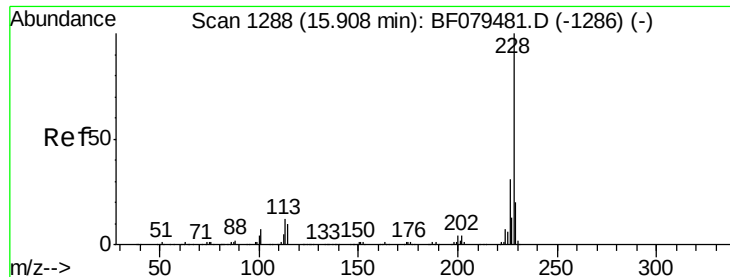
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#80
 Benzo(a)anthracene
 Concen: 26.70 ng
 RT: 15.85 min Scan# 1283
 Delta R.T. -0.08 min
 Lab File: BF079532.D
 Acq: 27 May 2015 21:54

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	29.4	22.8	34.2
229	20.2	15.9	23.9





#82

Chrysene

Concen: 18.96 ng

RT: 15.90 min Scan# 1287

Delta R.T. -0.08 min

Lab File: BF079532.D

Acq: 27 May 2015 21:54

Instrument :

BNA_F

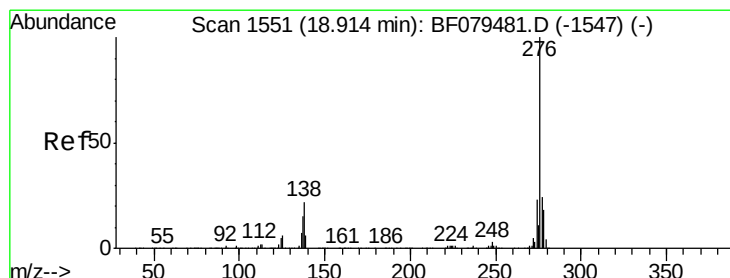
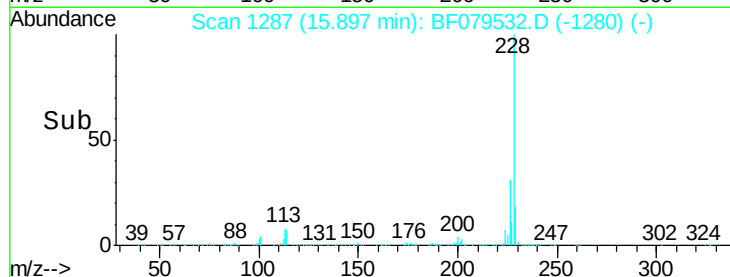
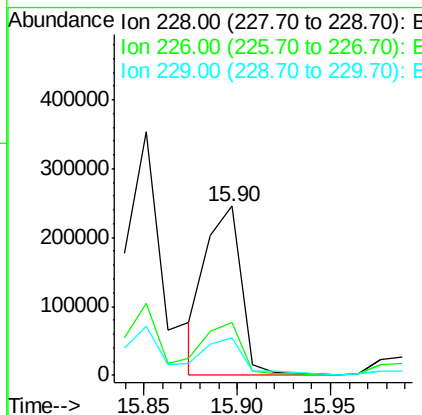
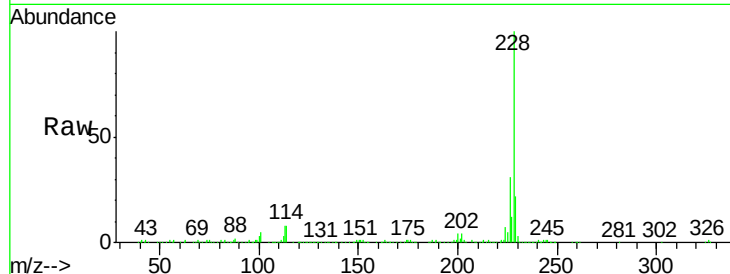
ClientSampleId :

SB-28D

Tgt Ion:	228	Resp:	318664
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.0	37.4
229	22.3	15.9	23.9

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#85

Indeno(1,2,3-cd)pyrene

Concen: 11.11 ng m

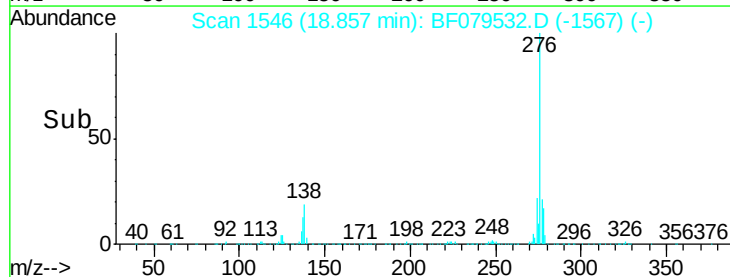
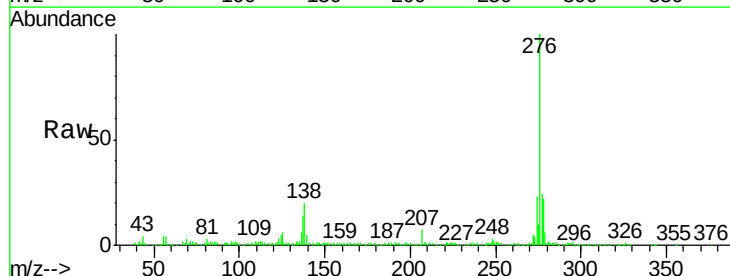
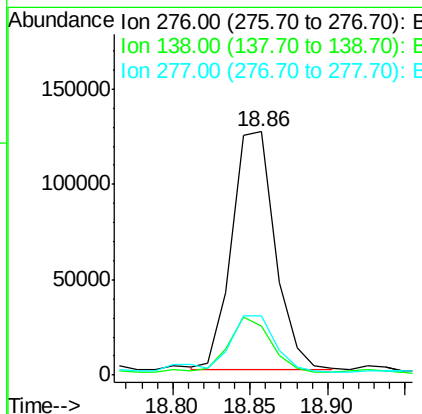
RT: 18.86 min Scan# 1546

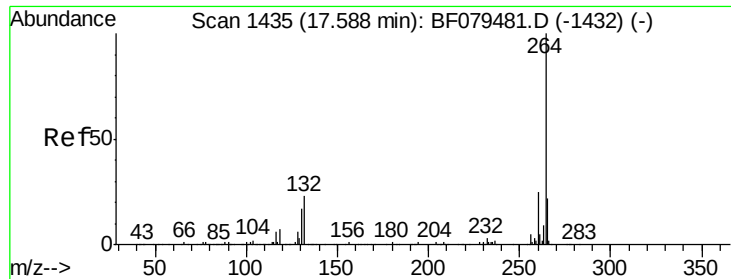
Delta R.T. -0.45 min

Lab File: BF079532.D

Acq: 27 May 2015 21:54

Tgt Ion:	276	Resp:	240104
Ion Ratio	Lower	Upper	
276	100		
138	23.3	21.4	32.2
277	25.4	19.8	29.6





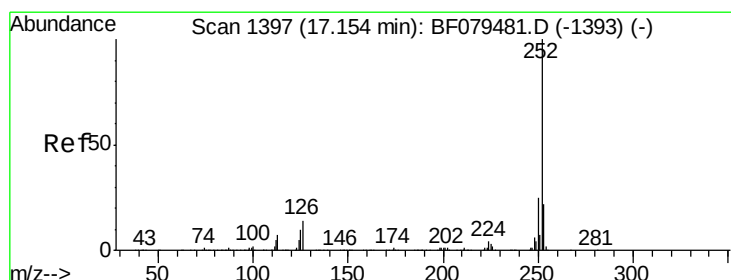
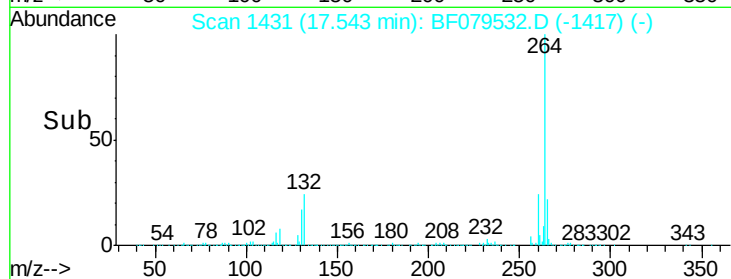
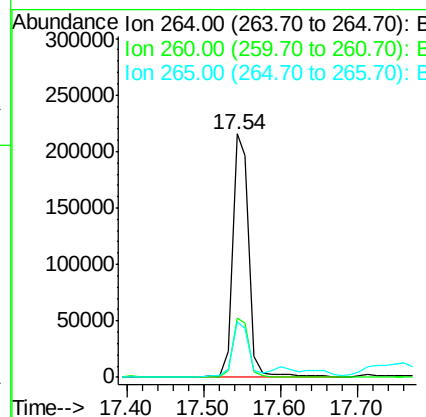
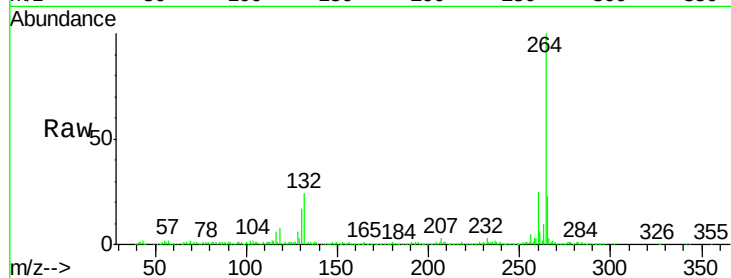
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.54 min Scan# 1431
Delta R.T. -0.34 min
Lab File: BF079532.D
Acq: 27 May 2015 21:54

Instrument :
BNA_F
ClientSampled :
SB-28D

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	325937		
260	24.6	19.8	29.8	
265	22.5	17.8	26.6	

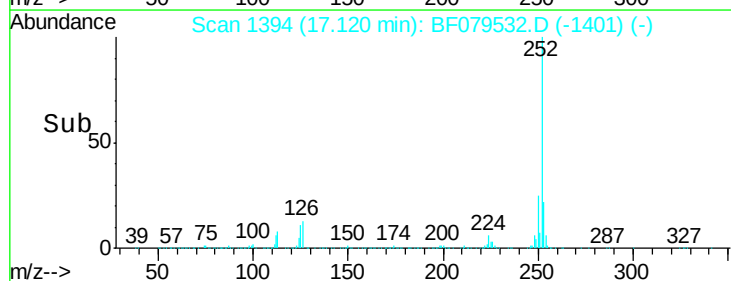
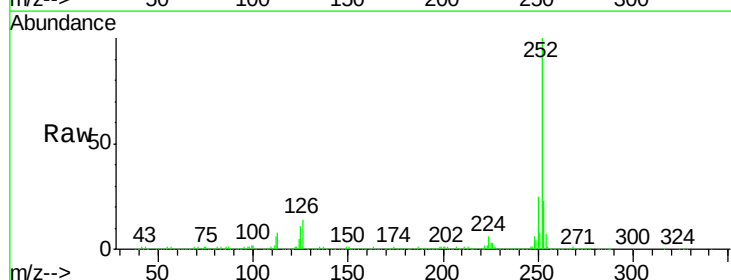
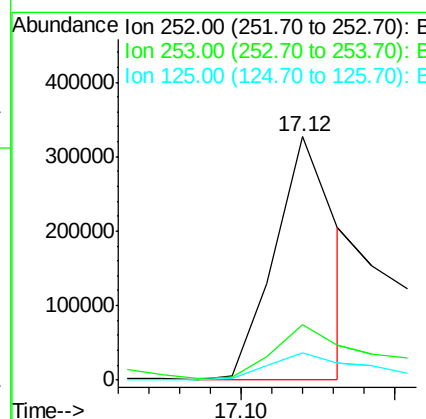
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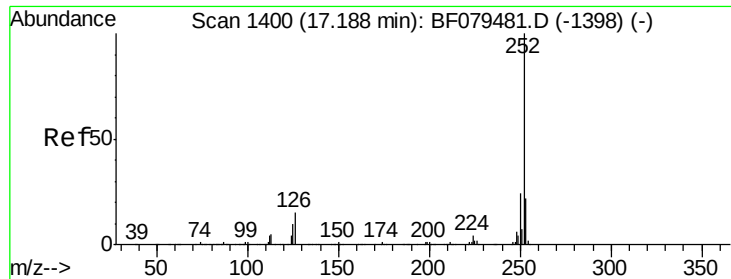
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#87
Benzo(b)fluoranthene
Concen: 24.58 ng m
RT: 17.12 min Scan# 1394
Delta R.T. -0.26 min
Lab File: BF079532.D
Acq: 27 May 2015 21:54

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	456960		
253	23.0	17.6	26.4	
125	11.3	7.8	11.6	





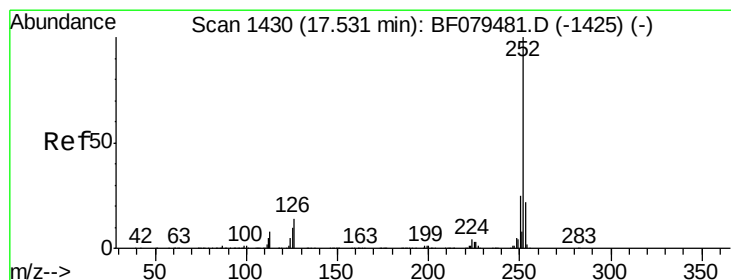
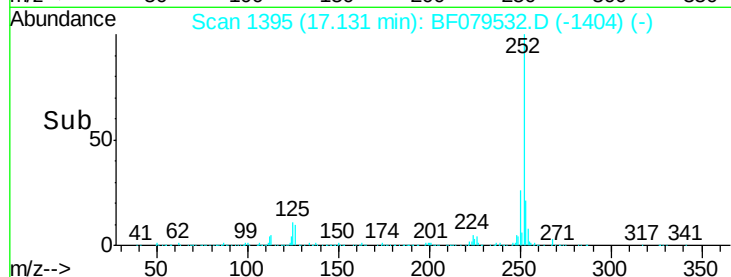
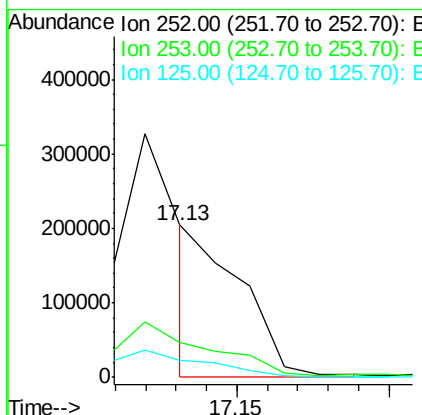
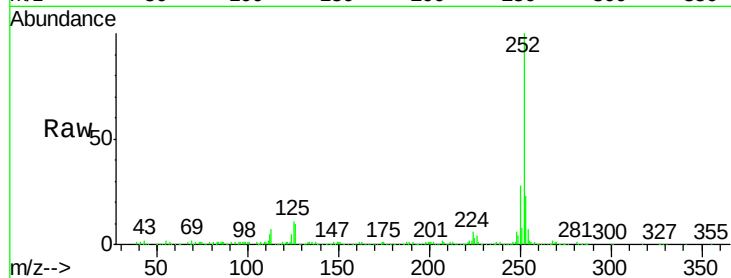
#88
Benzo(k)fluoranthene
Concen: 12.31 ng m
RT: 17.13 min Scan# 1395
Delta R.T. -0.29 min
Lab File: BF079532.D
Acq: 27 May 2015 21:54

Instrument :
BNA_F
ClientSampled :
SB-28D

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	11.2	6.8	10.2

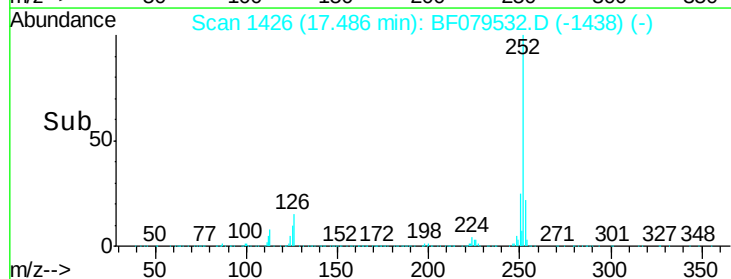
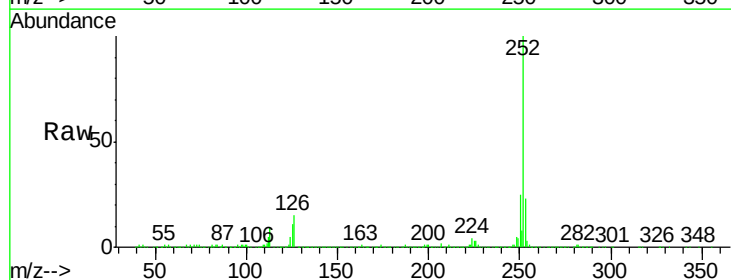
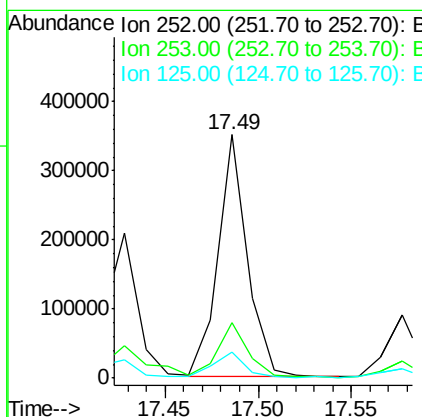
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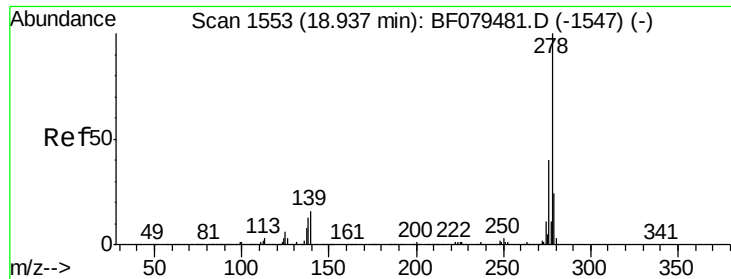
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#89
Benzo(a)pyrene
Concen: 22.42 ng
RT: 17.49 min Scan# 1426
Delta R.T. -0.32 min
Lab File: BF079532.D
Acq: 27 May 2015 21:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	10.7	7.9	11.9





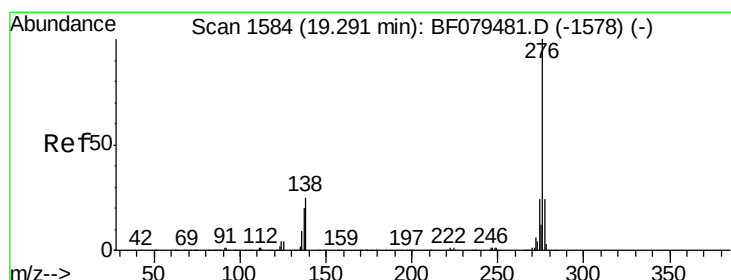
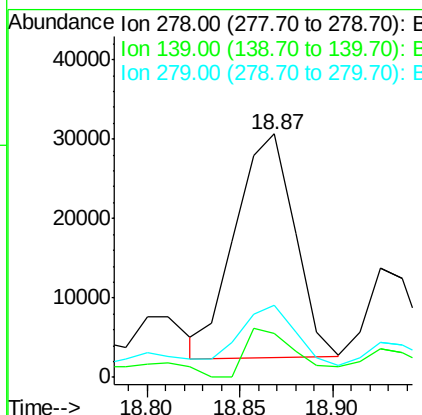
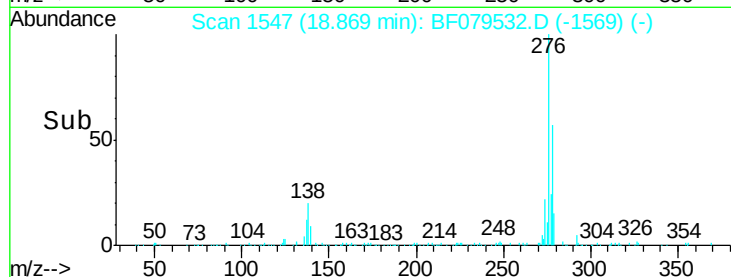
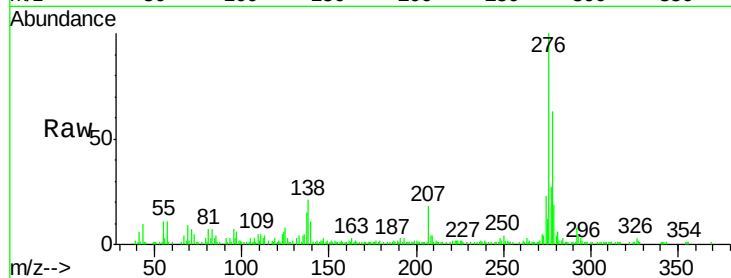
#90
Dibenzo(a,h)anthracene
Concen: 2.24 ng m
RT: 18.87 min Scan# 1547
Delta R.T. -0.46 min
Lab File: BF079532.D
Acq: 27 May 2015 21:54

Instrument :
BNA_F
ClientSampled :
SB-28D

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.0	12.8	19.2
279	29.8	19.1	28.7#

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#91
Benzo(g,h,i)perylene
Concen: 12.62 ng
RT: 19.23 min Scan# 1579
Delta R.T. -0.46 min
Lab File: BF079532.D
Acq: 27 May 2015 21:54

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.1	28.7
138	22.2	20.1	30.1

