

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052815\
 Data File : BF079543.D
 Acq On : 28 May 2015 14:38
 Operator : TP/IZ
 Sample : G2359-10DL 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-31BSDL

Manual Integrations
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Quant Time: May 28 15:15:43 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 27 01:32:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	75224m	20.00	ng	-0.06
21) Naphthalene-d8	8.54	136	307363	20.00	ng	-0.06
38) Acenaphthene-d10	10.71	164	163214	20.00	ng	-0.06
63) Phenanthrene-d10	12.54	188	307698	20.00	ng	-0.06
75) Chrysene-d12	15.81	240	289203	20.00	ng	-0.07
86) Perylene-d12	17.53	264	320585	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	225708m	52.04	ng	-0.07
7) Phenol-d6	6.56	99	304606m	55.10	ng	-0.06
23) Nitrobenzene-d5	7.66	82	169963	31.97	ng	-0.06
41) 2,4,6-Tribromophenol	11.68	330	92160	51.41	ng	-0.07
44) 2-Fluorobiphenyl	9.88	172	367987	32.17	ng	-0.06
78) Terphenyl-d14	14.53	244	380738	30.90	ng	-0.07
Target Compounds						Qvalue
31) Naphthalene	8.56	128	75139	5.09	ng	100
37) 2-Methylnaphthalene	9.43	142	24014	2.34	ng	96
51) Acenaphthene	10.74	154	72558	7.59	ng	100
54) Dibenzofuran	10.96	168	78817	5.59	ng	95
57) Fluorene	11.38	166	87848	7.56	ng	97
70) Phenanthrene	12.57	178	863269	51.14	ng	99
71) Anthracene	12.63	178	264120	15.41	ng	99
72) Carbazole	12.85	167	94108	5.70	ng	98
74) Fluoranthene	14.03	202	958325	52.94	ng	94
77) Pyrene	14.31	202	878952	49.06	ng	# 92
80) Benzo(a)anthracene	15.79	228	478372	28.75	ng	99
82) Chrysene	15.84	228	392474	24.82	ng	98
85) Indeno(1,2,3-cd)pyrene	18.82	276	242996	11.95	ng	95
87) Benzo(b)fluoranthene	17.10	252	506096m	27.68	ng	
88) Benzo(k)fluoranthene	17.12	252	169253m	10.35	ng	
89) Benzo(a)pyrene	17.46	252	382459	22.91	ng	# 95
90) Dibenzo(a,h)anthracene	18.83	278	59465m	2.10	ng	
91) Benzo(g,h,i)perylene	19.20	276	230604	12.30	ng	95

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

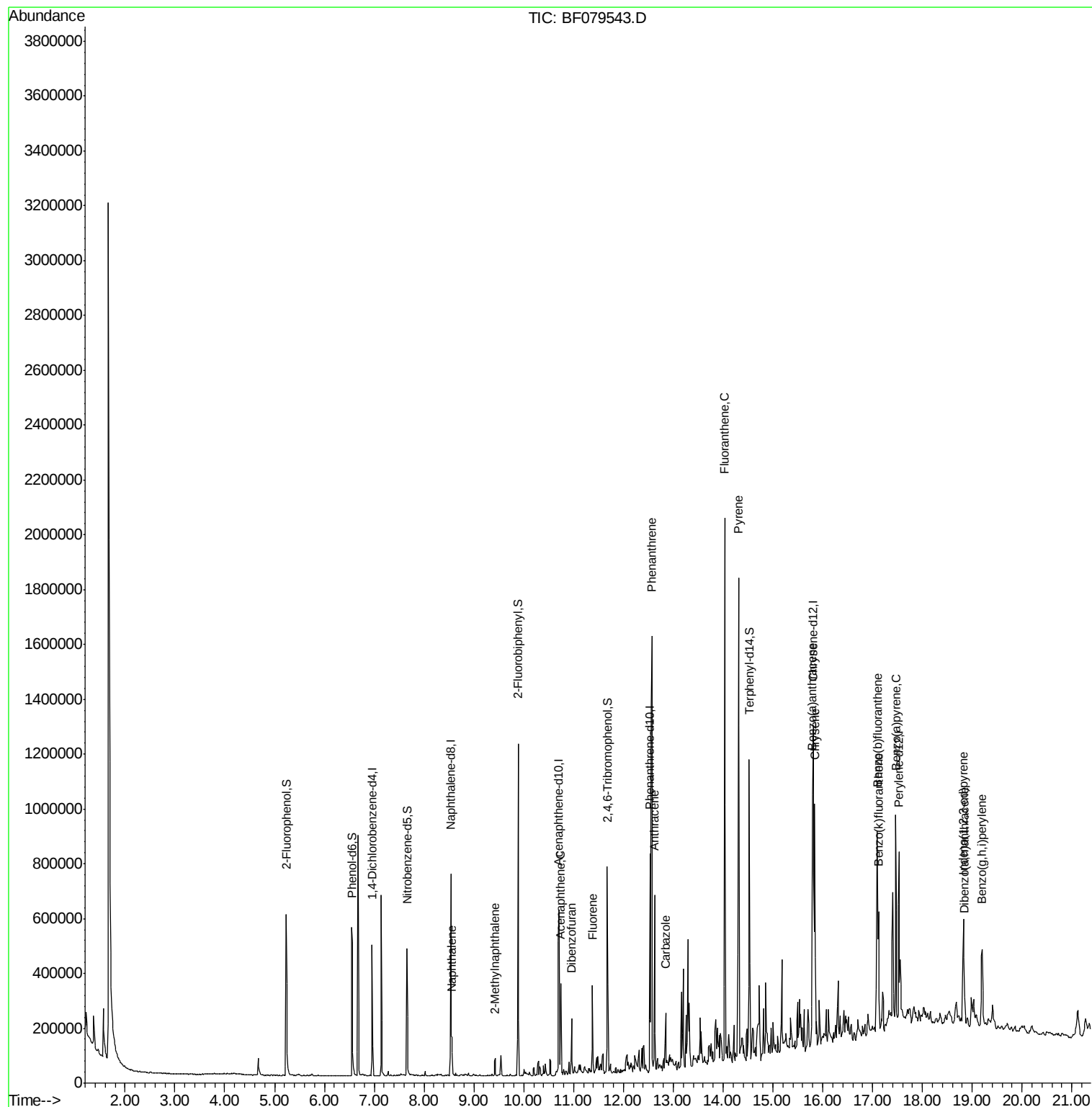
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052815\
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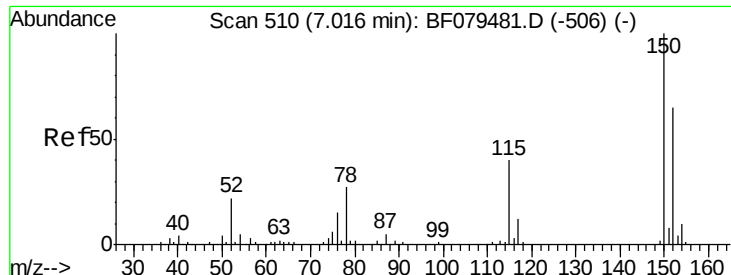
Instrument :
BNA_F
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SB-31BSL

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#1

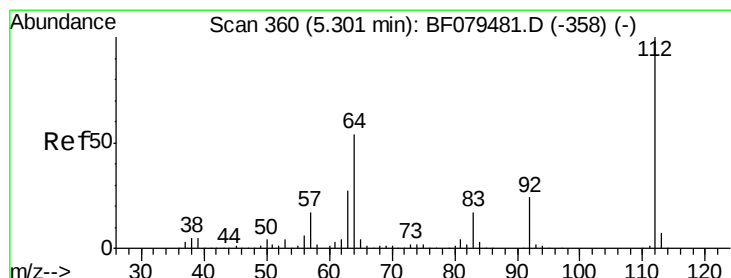
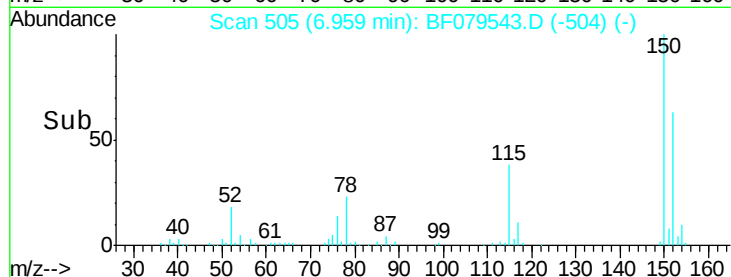
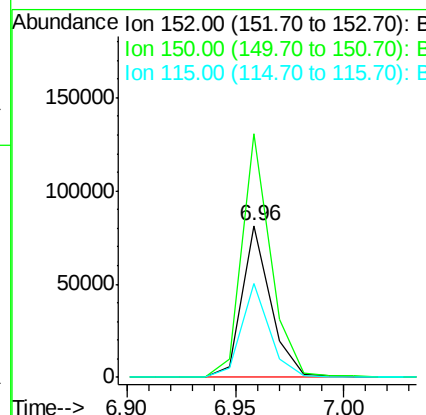
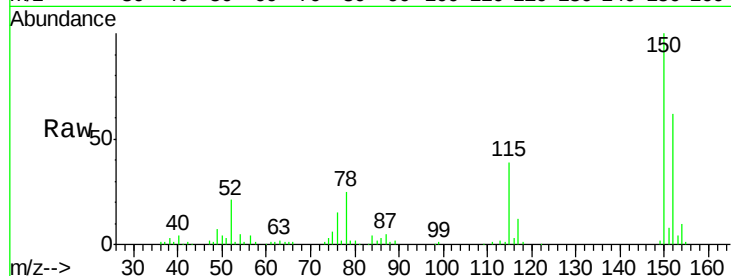
1,4-Dichlorobenzene-d4
Concen: 20.00 ng m
RT: 6.96 min Scan# 505
Delta R.T. -0.06 min
Lab File: BF079543.D
Acq: 28 May 2015 14:38

Instrument :
BNA_F
ClientSampleId :
SB-31BSDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.6	124.0	186.0
115	62.3	49.6	74.4

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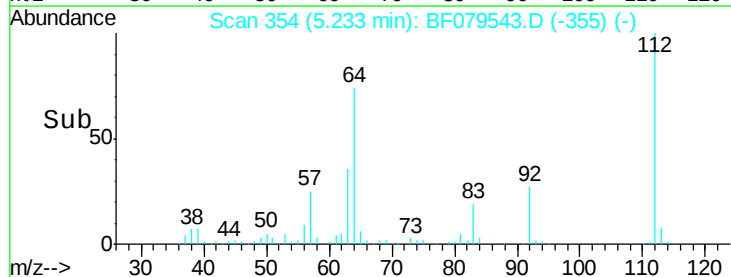
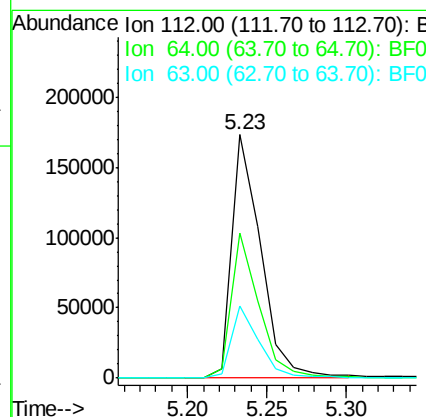
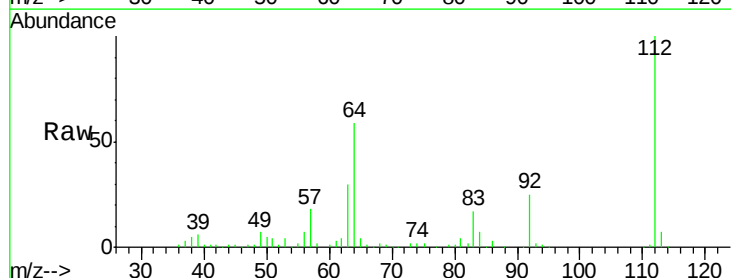
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#5

2-Fluorophenol
Concen: 52.04 ng m
RT: 5.23 min Scan# 354
Delta R.T. -0.07 min
Lab File: BF079543.D
Acq: 28 May 2015 14:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	43.5	65.3
63	29.7	21.8	32.8





#7

Phenol-d6

Concen: 55.10 ng/mL

RT: 6.56 min Scan# 470

Delta R.T. -0.06 min

Lab File: BF079543.D

Acq: 28 May 2015 14:38

Instrument :

BNA_F

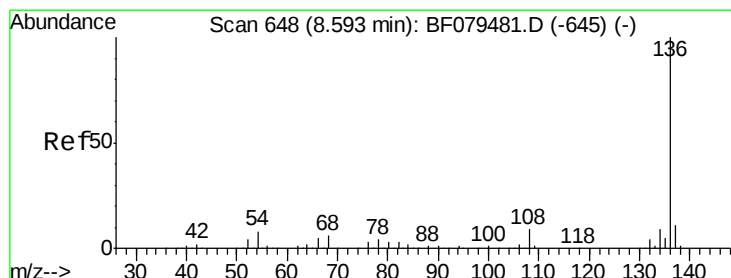
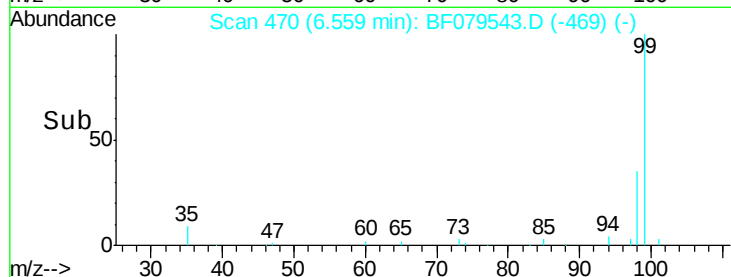
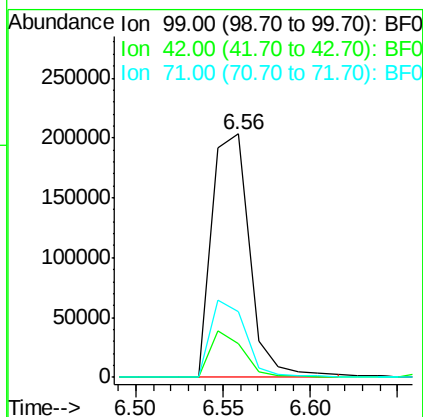
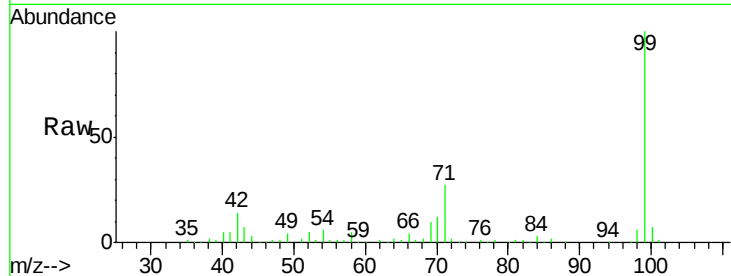
ClientSampleID :

SB-31BSDL

Tot Ion:	99	Resp:	304606
Ion Ratio	Lower	Upper	
99	100		
42	13.8	11.9	17.9
71	27.2	22.1	33.1

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#21

Naphthalene-d8

Concen: 20.00 ng/mL

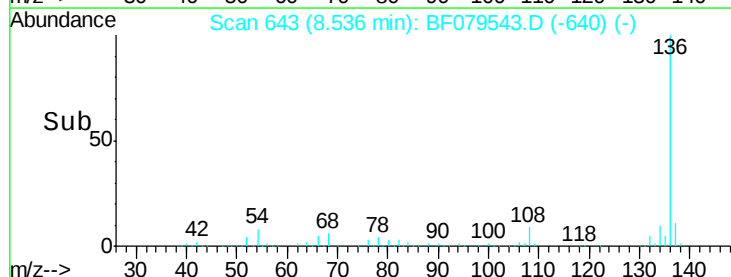
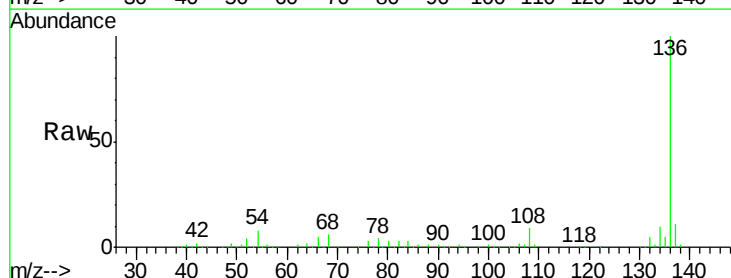
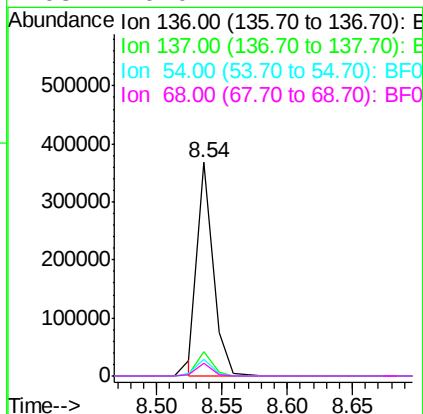
RT: 8.54 min Scan# 643

Delta R.T. -0.06 min

Lab File: BF079543.D

Acq: 28 May 2015 14:38

Tgt Ion:	136	Resp:	307363
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.5	12.7
54	7.9	6.6	9.8
68	6.0	4.7	7.1





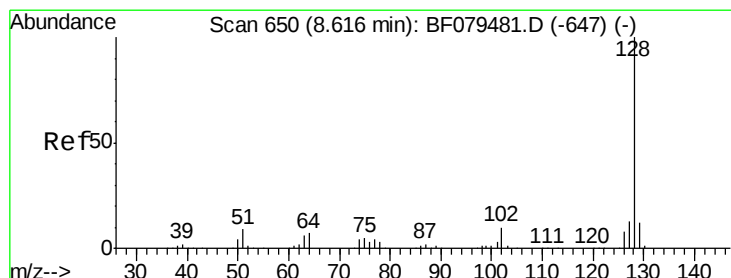
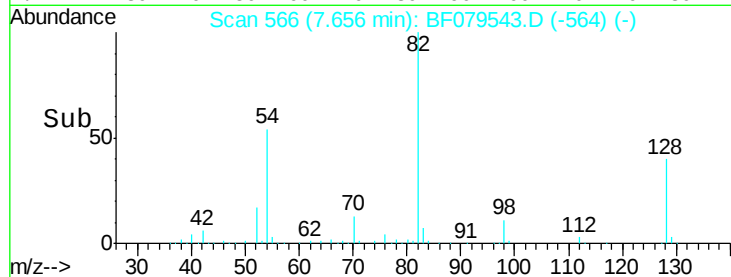
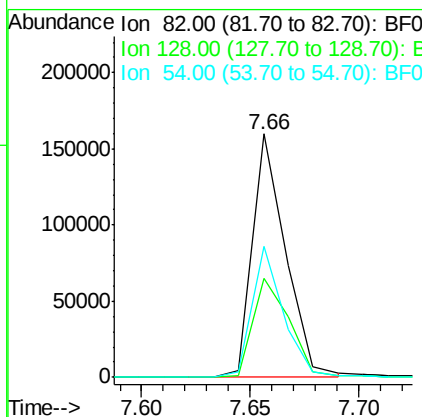
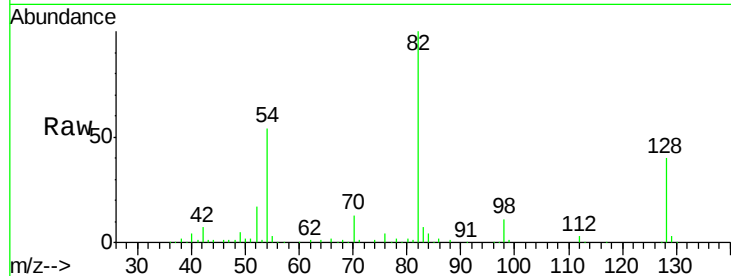
#23
 Nitrobenzene-d5
 Concen: 31.97 ng
 RT: 7.66 min Scan# 566
 Delta R.T. -0.06 min
 Lab File: BF079543.D
 Acq: 28 May 2015 14:38

Instrument :
 BNA_F
 ClientSampleId :
 SB-31BSDL

Tot Ion:	82	Resp:	169963
Ion Ratio	Lower	Upper	
82	100		
128	40.5	30.8	46.2
54	53.9	42.8	64.2

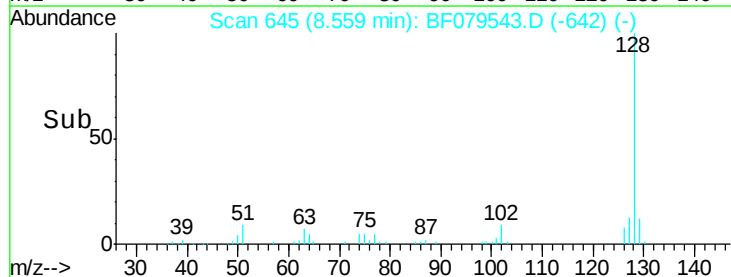
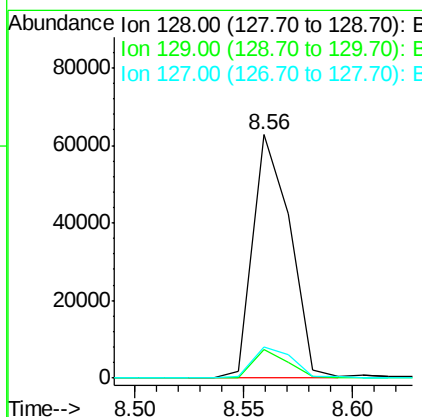
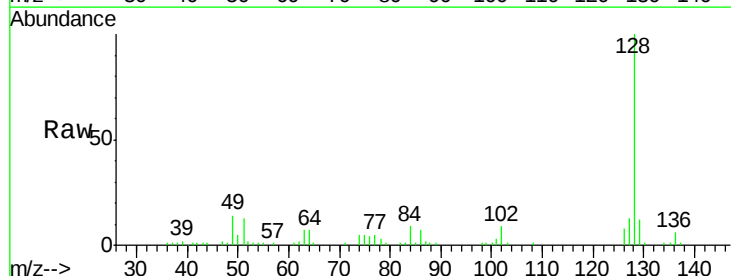
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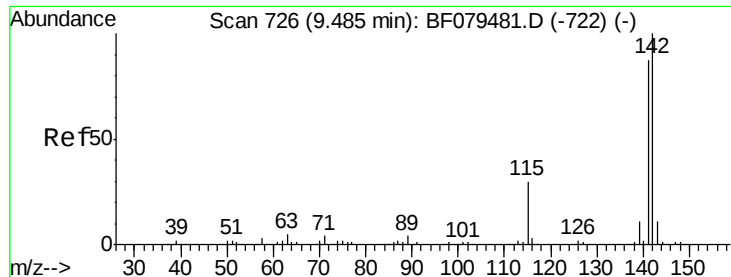
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#31
 Naphthalene
 Concen: 5.09 ng
 RT: 8.56 min Scan# 645
 Delta R.T. -0.06 min
 Lab File: BF079543.D
 Acq: 28 May 2015 14:38

Tgt Ion:	128	Resp:	75139
Ion Ratio	Lower	Upper	
128	100		
129	11.5	9.3	13.9
127	13.0	10.6	15.8





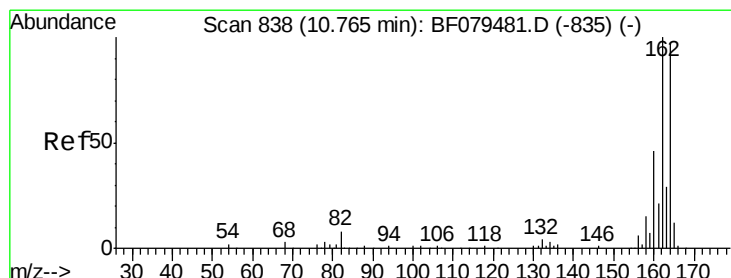
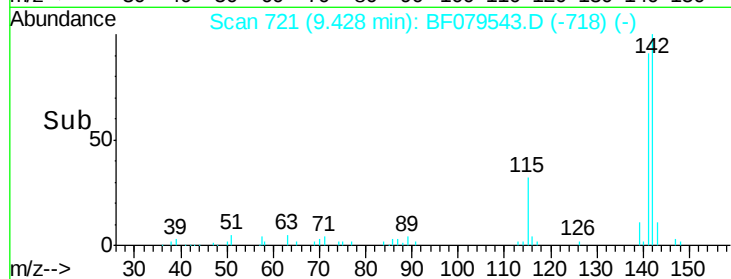
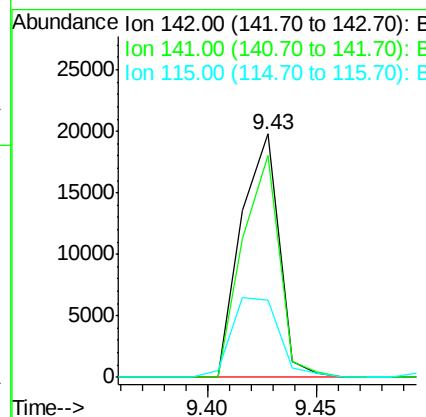
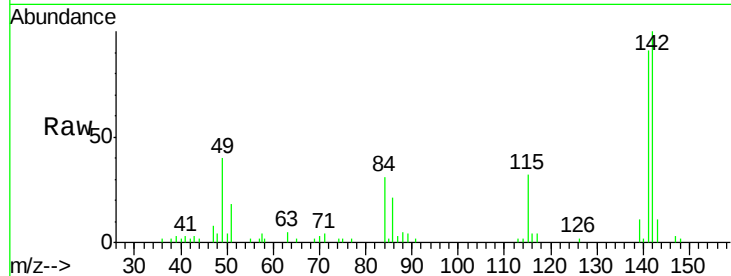
#37
2-Methylnaphthalene
Concen: 2.34 ng
RT: 9.43 min Scan# 721
Delta R.T. -0.06 min
Lab File: BF079543.D
Acq: 28 May 2015 14:38

Instrument :
BNA_F
ClientSampleId :
SB-31BSL

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.9	69.5	104.3
115	31.6	23.8	35.6

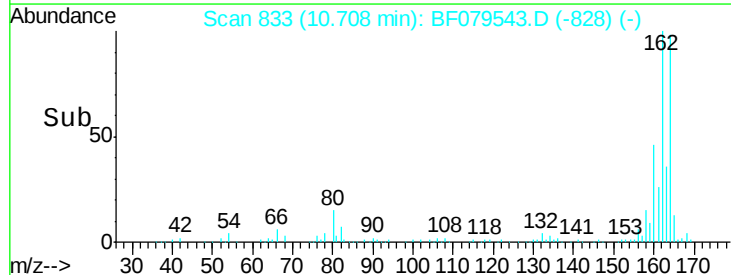
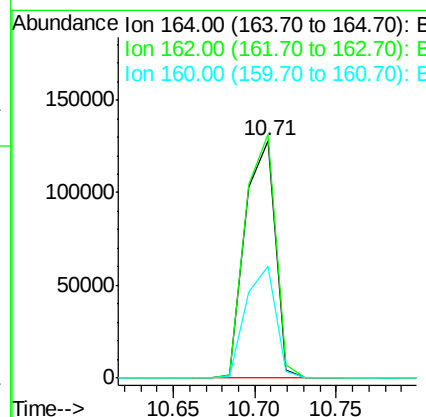
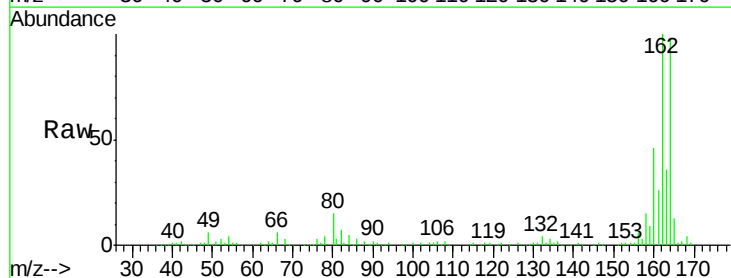
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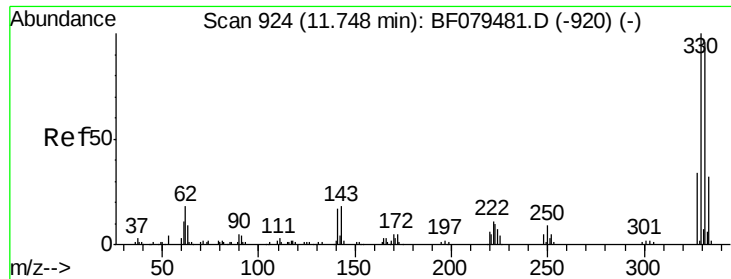
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.71 min Scan# 833
Delta R.T. -0.06 min
Lab File: BF079543.D
Acq: 28 May 2015 14:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	82.6	124.0
160	47.3	37.7	56.5





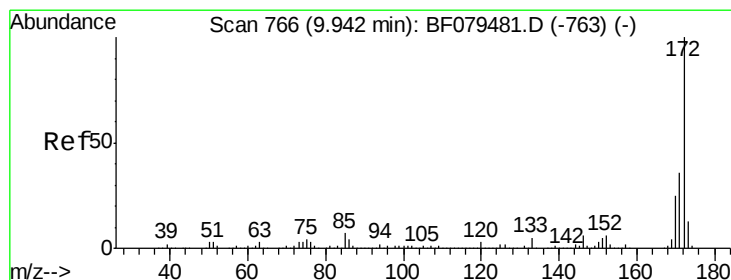
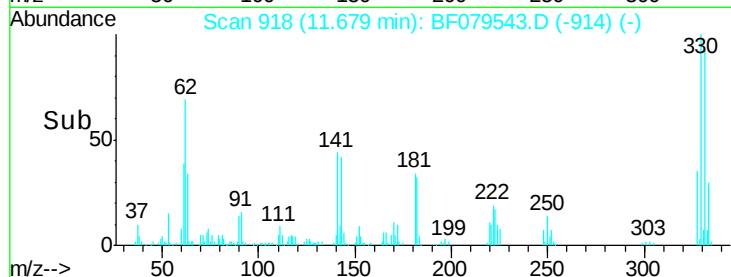
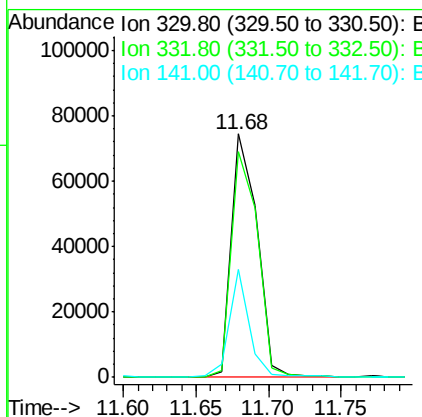
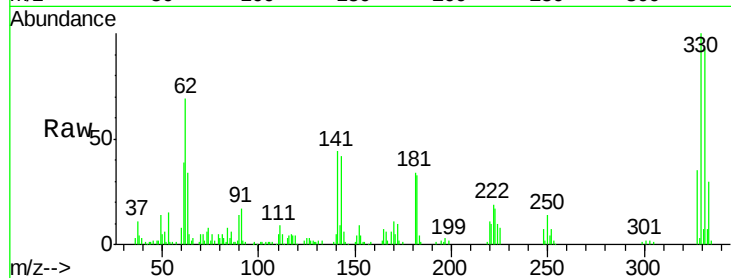
#41
 2,4,6-Tribromophenol
 Concen: 51.41 ng
 RT: 11.68 min Scan# 918
 Delta R.T. -0.07 min
 Lab File: BF079543.D
 Acq: 28 May 2015 14:38

Instrument :
 BNA_F
 ClientSampleId :
 SB-31BSDL

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	95.2	0.0	0.0#
141	35.2	0.0	0.0#

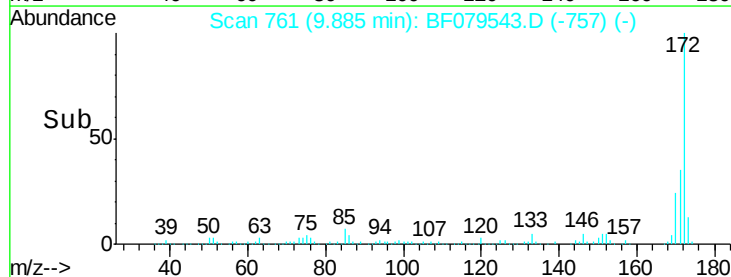
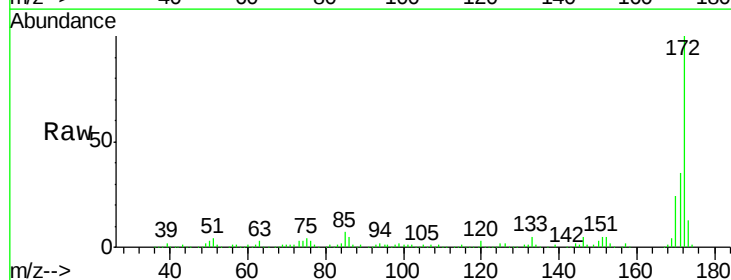
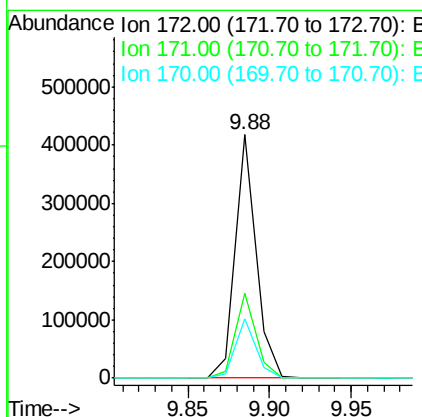
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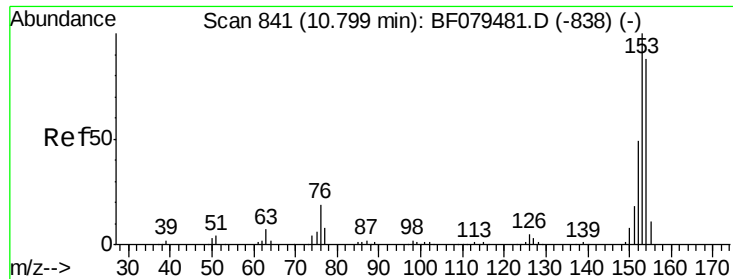
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#44
 2-Fluorobiphenyl
 Concen: 32.17 ng
 RT: 9.88 min Scan# 761
 Delta R.T. -0.06 min
 Lab File: BF079543.D
 Acq: 28 May 2015 14:38

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	34.7	28.5	42.7
170	24.2	19.7	29.5





#51

Acenaphthene

Concen: 7.59 ng

RT: 10.74 min Scan# 836

Delta R.T. -0.06 min

Lab File: BF079543.D

Acq: 28 May 2015 14:38

Instrument :

BNA_F

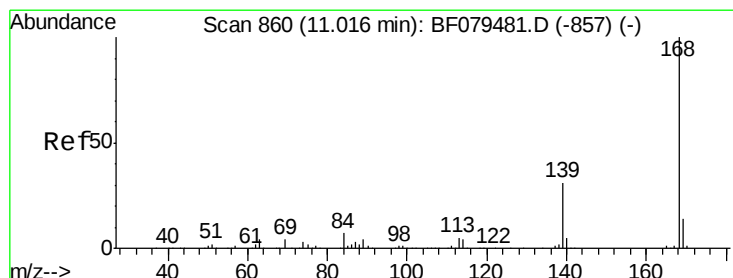
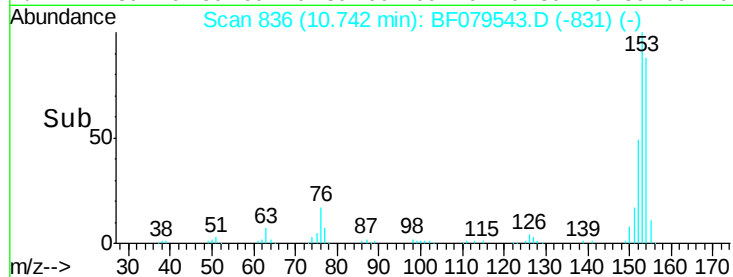
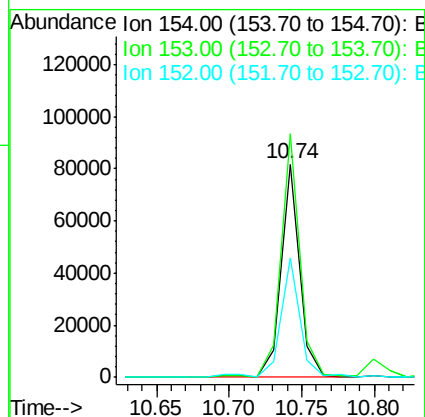
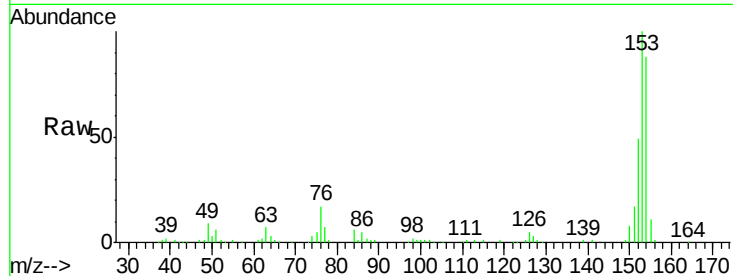
ClientSampleId :

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Tot Ion:	154	Resp:	72558
Ion Ratio	Lower	Upper	
154	100		
153	114.3	91.1	136.7
152	55.8	44.6	66.8

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#54

Dibenzofuran

Concen: 5.59 ng

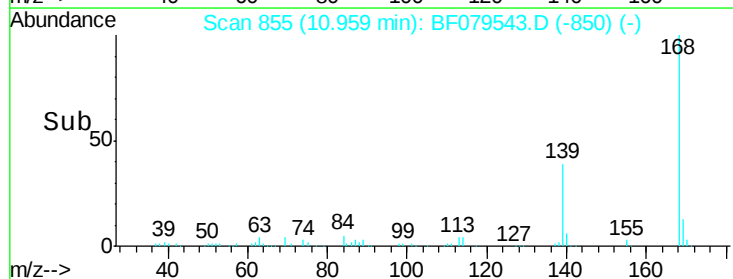
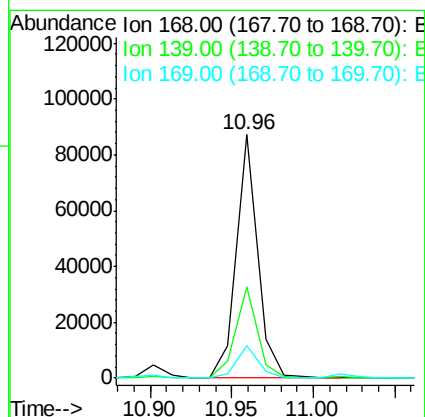
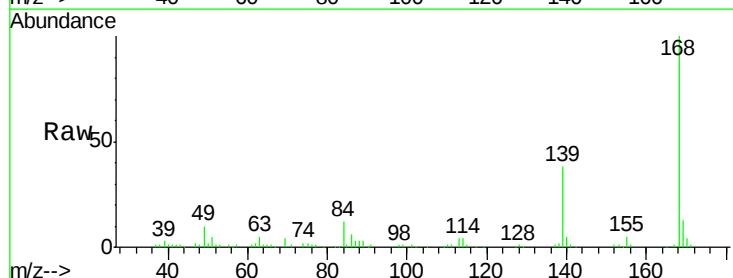
RT: 10.96 min Scan# 855

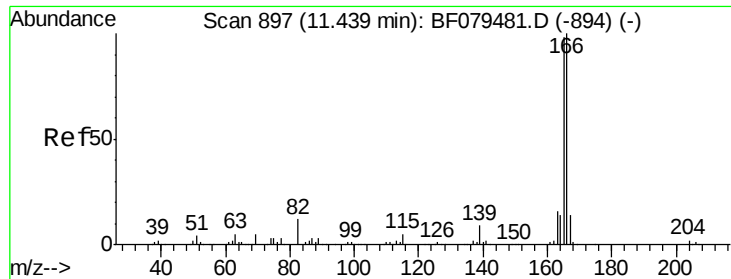
Delta R.T. -0.06 min

Lab File: BF079543.D

Acq: 28 May 2015 14:38

Tgt Ion:	168	Resp:	78817
Ion Ratio	Lower	Upper	
168	100		
139	37.5	32.9	49.3
169	13.1	11.1	16.7





#57

Fluorene

Concen: 7.56 ng

RT: 11.38 min Scan# 892

Delta R.T. -0.06 min

Lab File: BF079543.D

Acq: 28 May 2015 14:38

Instrument :

BNA_F

ClientSampleId :

SB-31BSDL

Tot Ion:166 Resp: 87848

Ion Ratio Lower Upper

166 100

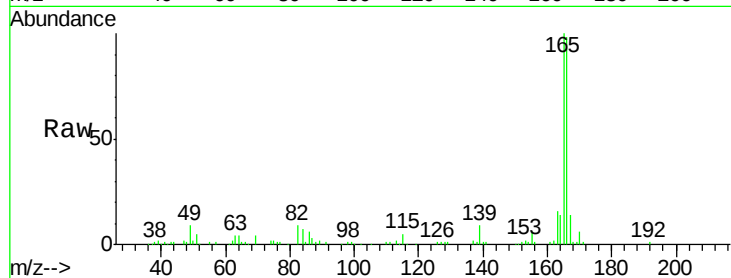
165 101.9 78.6 117.8

167 14.1 10.8 16.2

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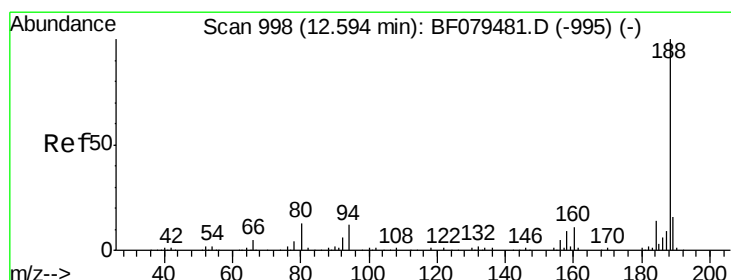
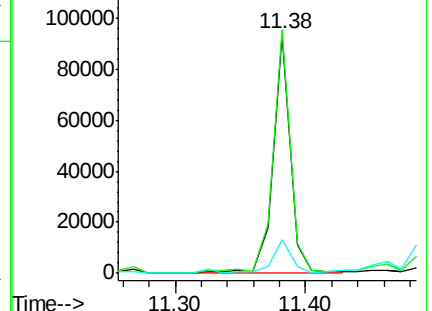
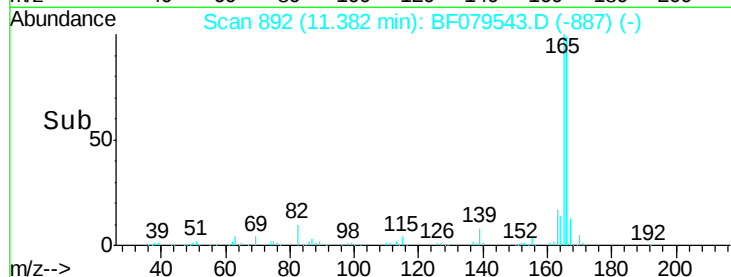
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.54 min Scan# 993

Delta R.T. -0.06 min

Lab File: BF079543.D

Acq: 28 May 2015 14:38

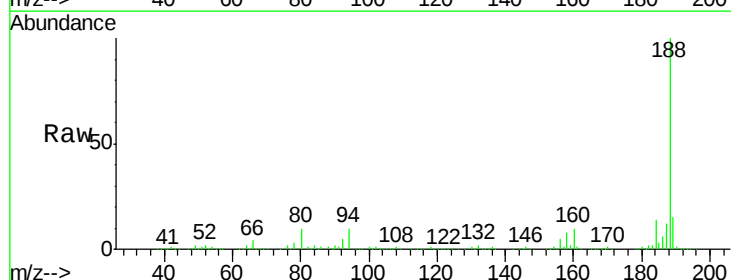
Tgt Ion:188 Resp: 307698

Ion Ratio Lower Upper

188 100

94 10.0 9.8 14.6

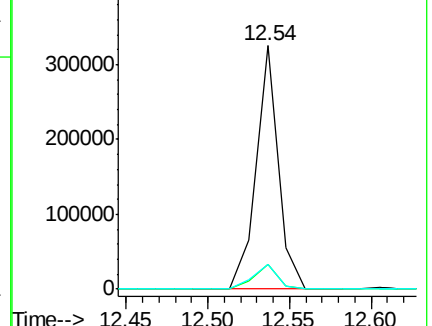
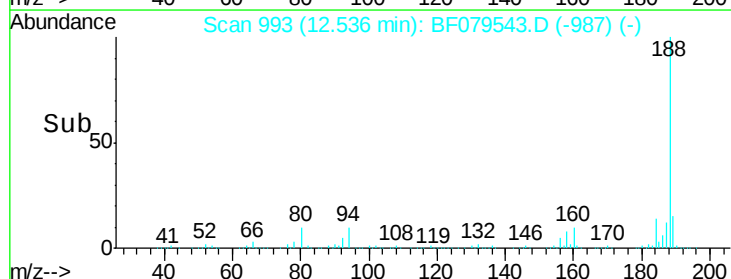
80 10.2 10.5 15.7#

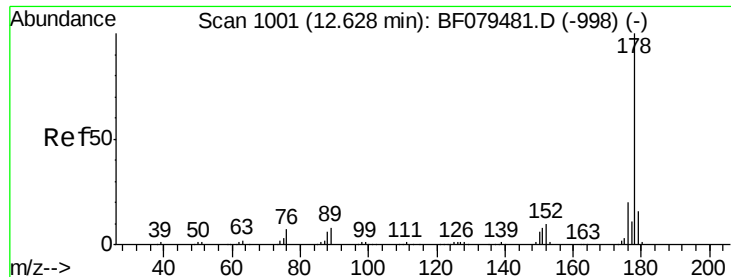


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





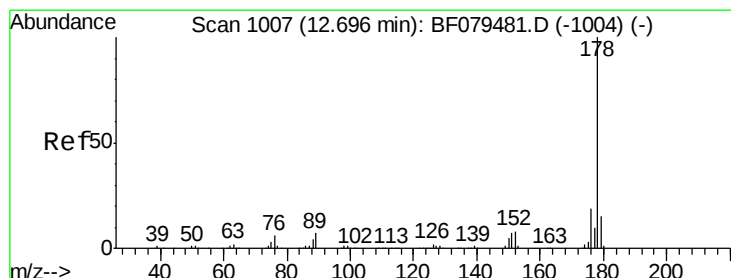
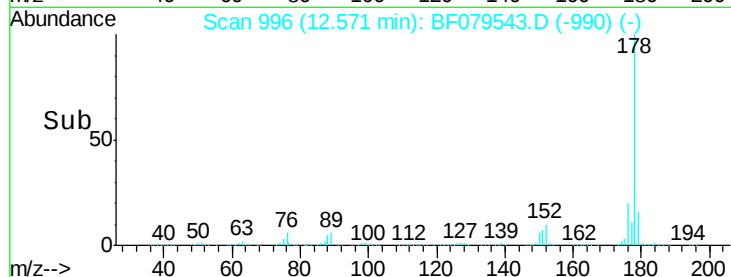
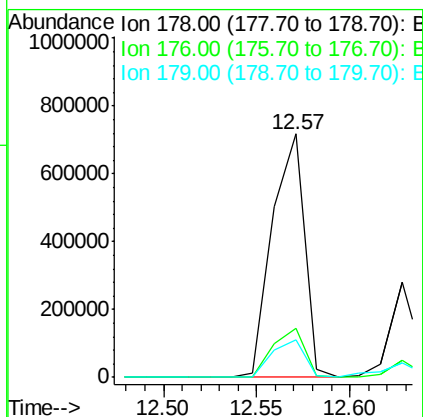
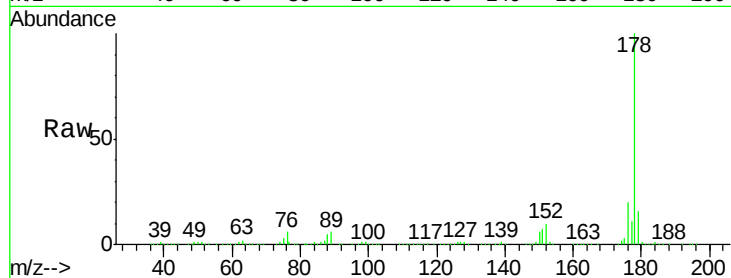
#70
Phenanthrene
Concen: 51.14 ng
RT: 12.57 min Scan# 996
Delta R.T. -0.06 min
Lab File: BF079543.D
Acq: 28 May 2015 14:38

Instrument :
BNA_F
ClientSampleId :
SB-31BSL

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.7	23.5
179	15.6	12.4	18.6

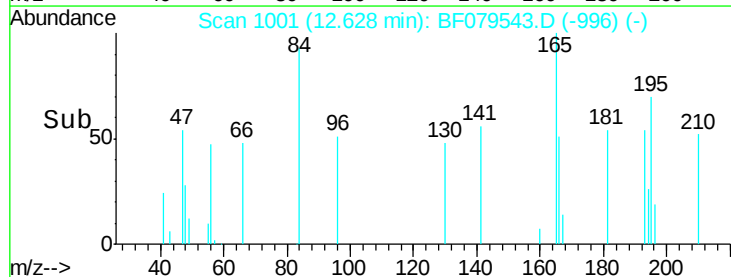
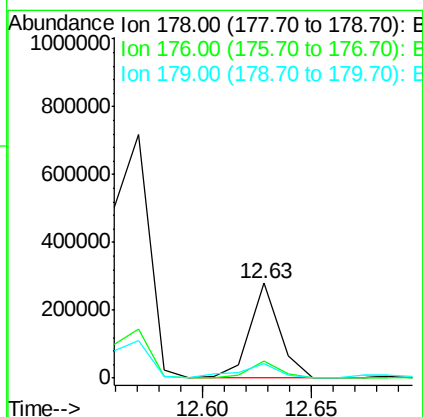
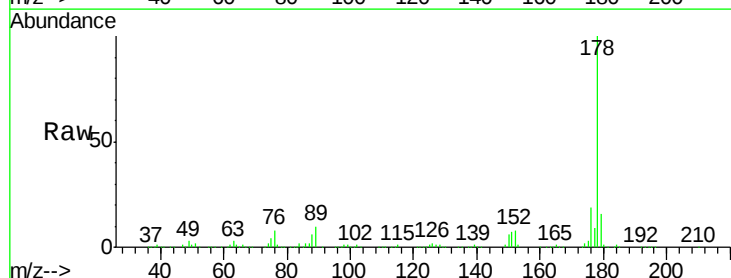
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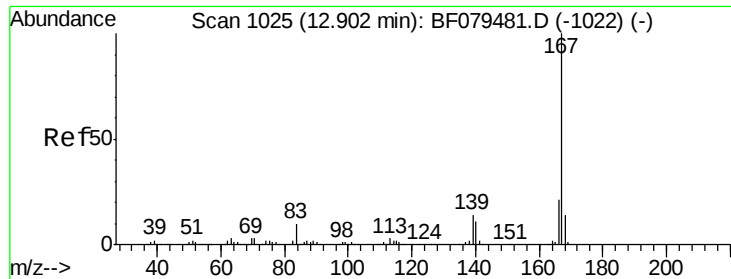
apatel
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#71
Anthracene
Concen: 15.41 ng
RT: 12.63 min Scan# 1001
Delta R.T. -0.07 min
Lab File: BF079543.D
Acq: 28 May 2015 14:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.3	22.9
179	15.8	12.2	18.4





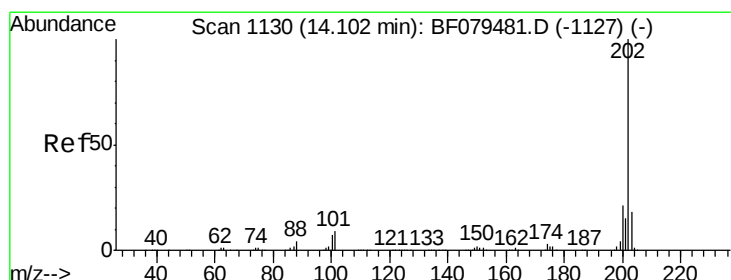
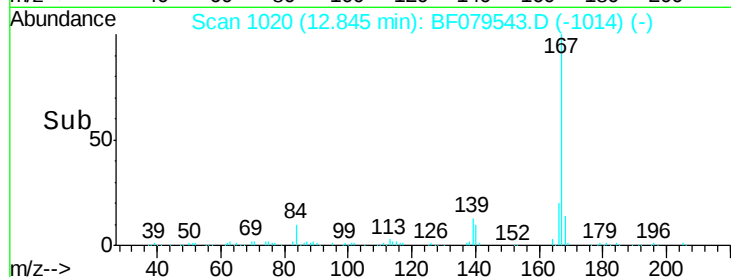
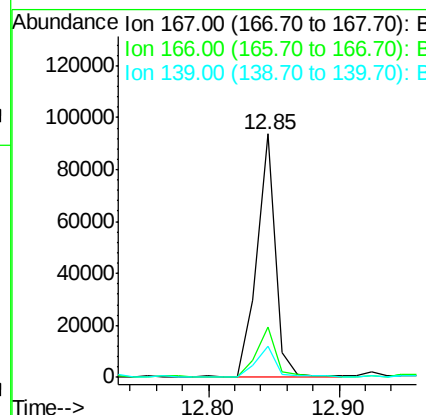
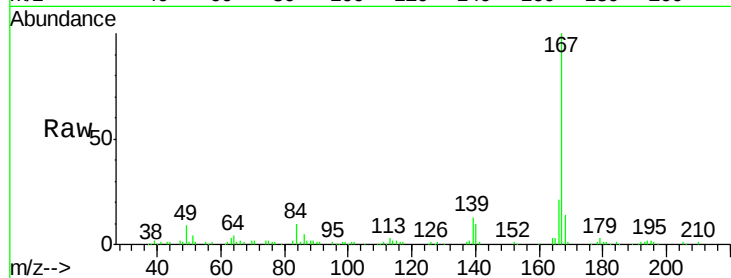
#72
 Carbazole
 Concen: 5.70 ng
 RT: 12.85 min Scan# 1020
 Delta R.T. -0.06 min
 Lab File: BF079543.D
 Acq: 28 May 2015 14:38

Instrument :
 BNA_F
 ClientSampleId :
 SB-31BSDL

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.5	17.0	25.4
139	12.7	11.2	16.8

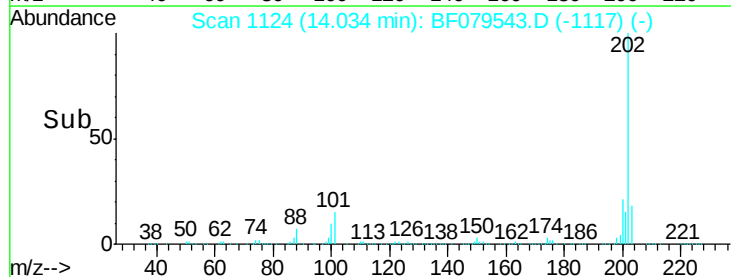
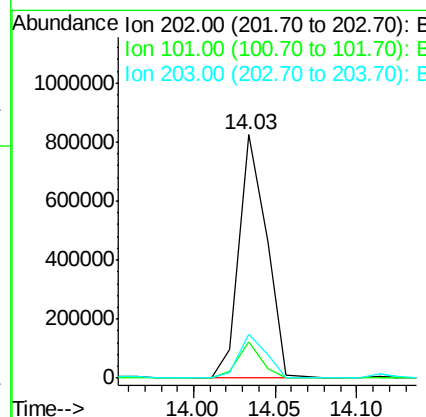
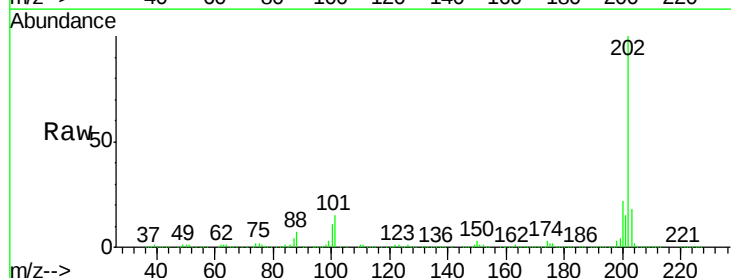
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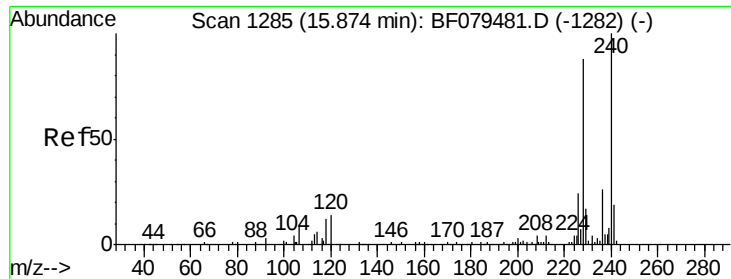
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#74
 Fluoranthene
 Concen: 52.94 ng
 RT: 14.03 min Scan# 1124
 Delta R.T. -0.07 min
 Lab File: BF079543.D
 Acq: 28 May 2015 14:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.8	0.0	29.3
203	18.2	0.0	37.6





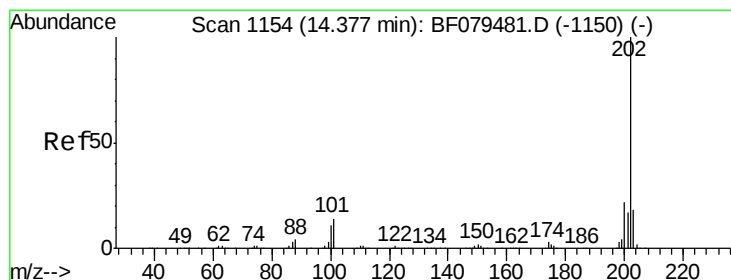
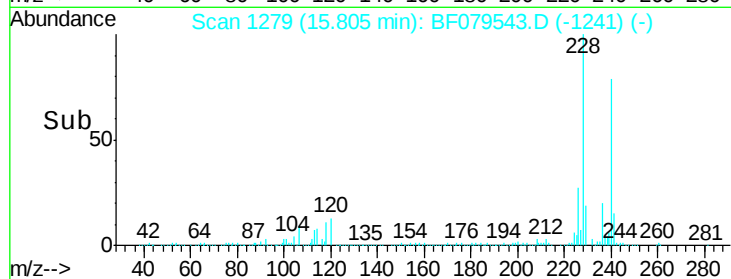
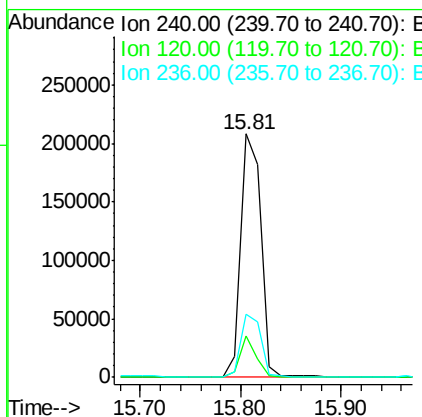
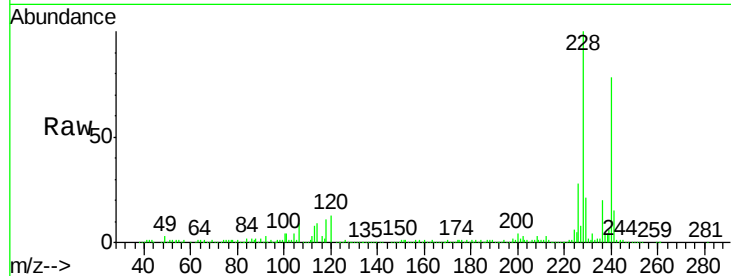
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 15.81 min Scan# 1279
 Delta R.T. -0.07 min
 Lab File: BF079543.D
 Acq: 28 May 2015 14:38

Instrument :
 BNA_F
 ClientSampled :
 SB-31BSDL

Tot Ion	Ratio	Resp	Lower	Upper
240	100	289203		
120	16.8	10.8	16.2#	
236	25.8	21.0	31.6	

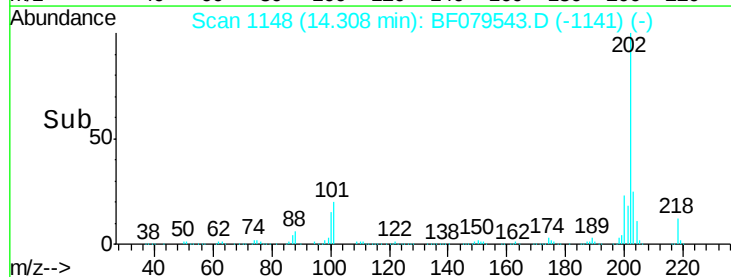
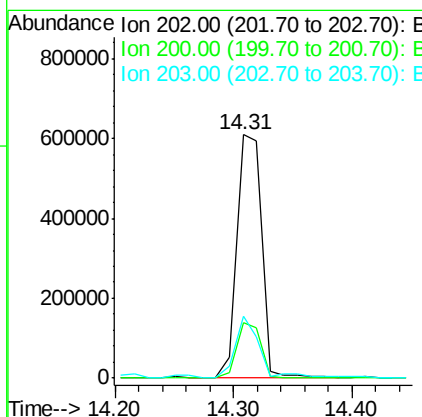
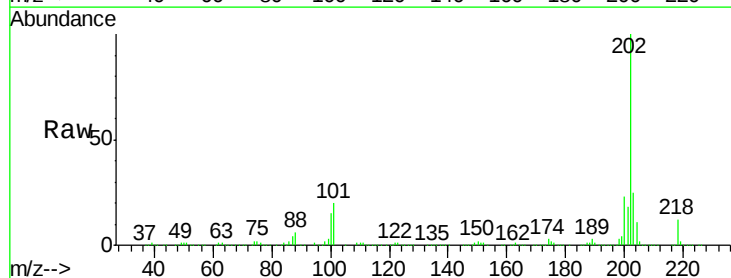
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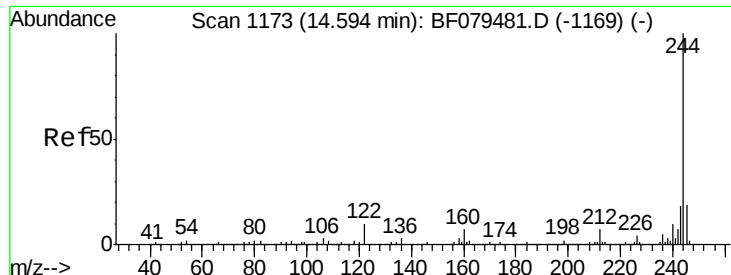
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#77
 Pyrene
 Concen: 49.06 ng
 RT: 14.31 min Scan# 1148
 Delta R.T. -0.07 min
 Lab File: BF079543.D
 Acq: 28 May 2015 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	878952		
200	22.6	17.5	26.3	
203	25.5	14.4	21.6#	





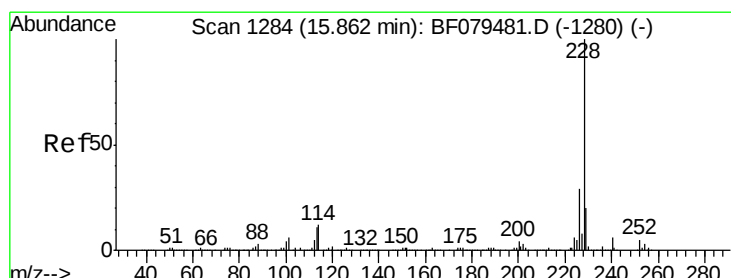
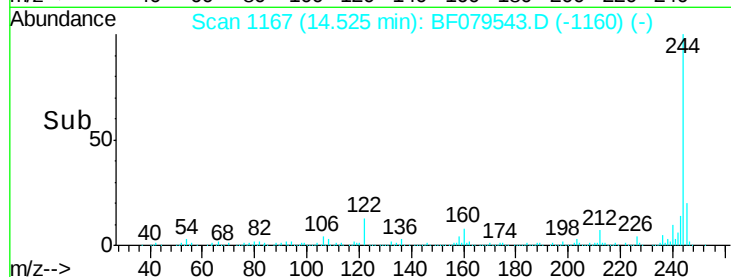
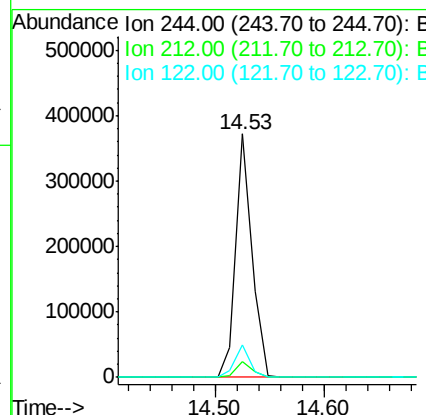
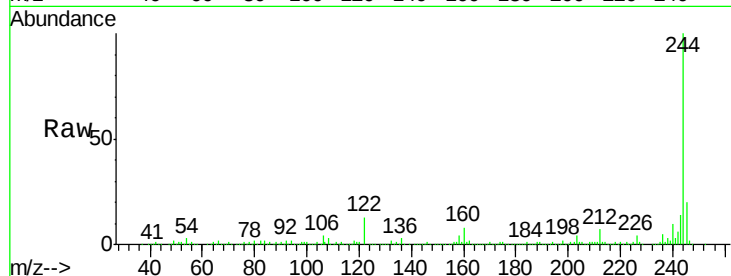
#78
 Terphenyl-d14
 Concen: 30.90 ng
 RT: 14.53 min Scan# 1167
 Delta R.T. -0.07 min
 Lab File: BF079543.D
 Acq: 28 May 2015 14:38

Instrument :
 BNA_F
 ClientSampled :
 SB-31BSDL

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.6	5.2	7.8	
122	13.2	8.0	12.0	

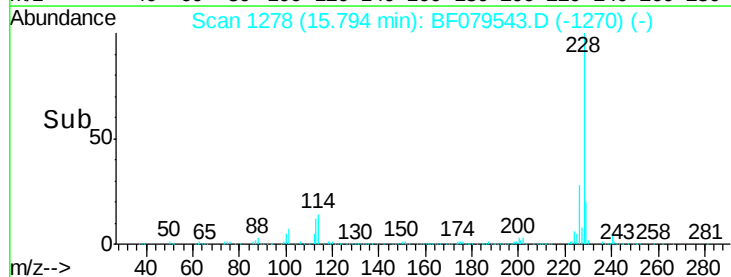
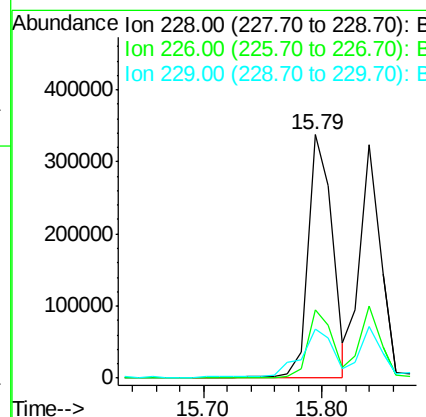
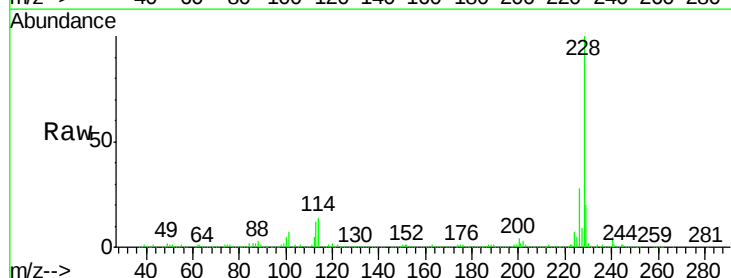
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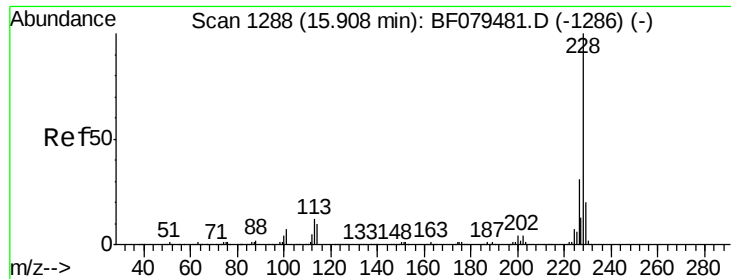
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#80
 Benzo(a)anthracene
 Concen: 28.75 ng
 RT: 15.79 min Scan# 1278
 Delta R.T. -0.07 min
 Lab File: BF079543.D
 Acq: 28 May 2015 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	28.2	22.8	34.2	
229	20.3	15.9	23.9	





#82

Chrysene

Concen: 24.82 ng

RT: 15.84 min Scan# 1282

Delta R.T. -0.07 min

Lab File: BF079543.D

Acq: 28 May 2015 14:38

Instrument :

BNA_F

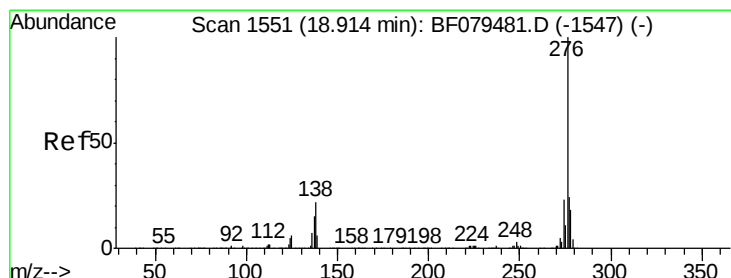
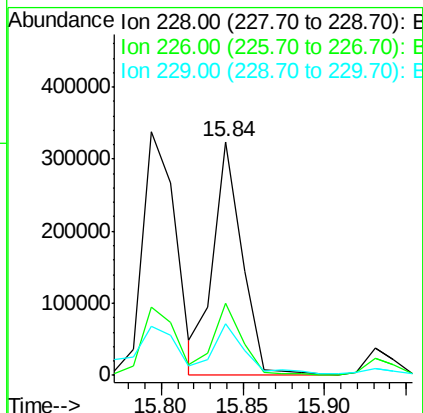
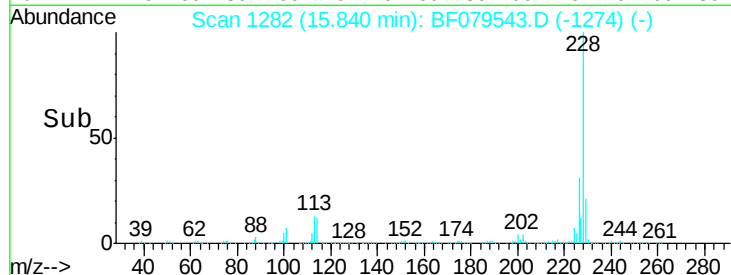
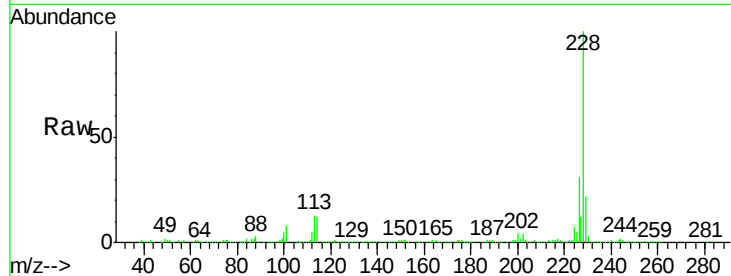
ClientSampleId :

SB-31BSDL

Tot Ion:	228	Resp:	392474
Ion Ratio	Lower	Upper	
228	100		
226	30.9	25.0	37.4
229	22.0	15.9	23.9

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 11.95 ng

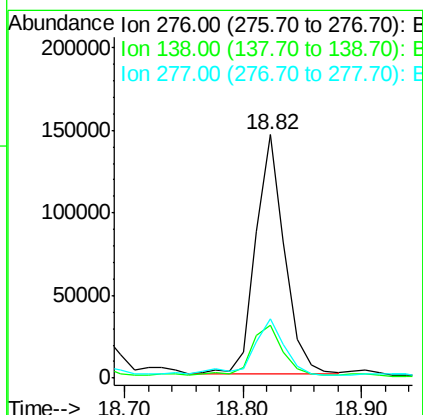
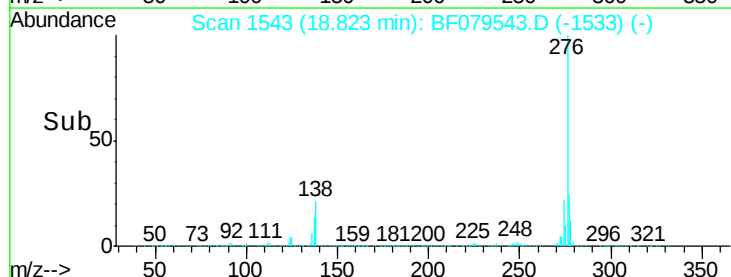
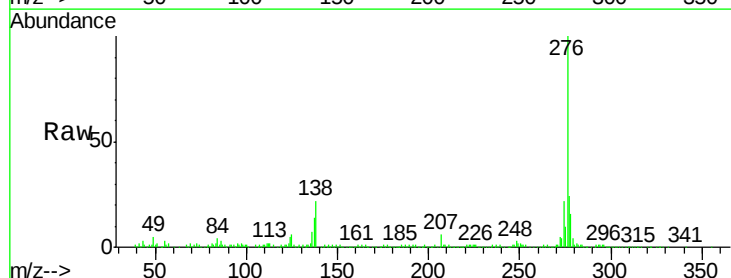
RT: 18.82 min Scan# 1543

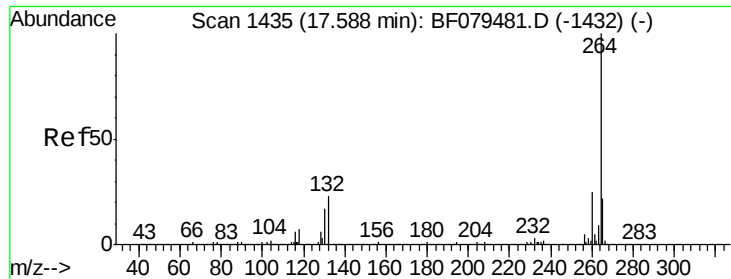
Delta R.T. -0.09 min

Lab File: BF079543.D

Acq: 28 May 2015 14:38

Tgt Ion:	276	Resp:	242996
Ion Ratio	Lower	Upper	
276	100		
138	24.2	21.4	32.2
277	27.2	19.8	29.6





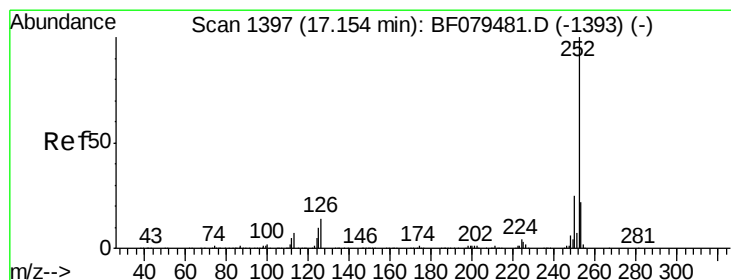
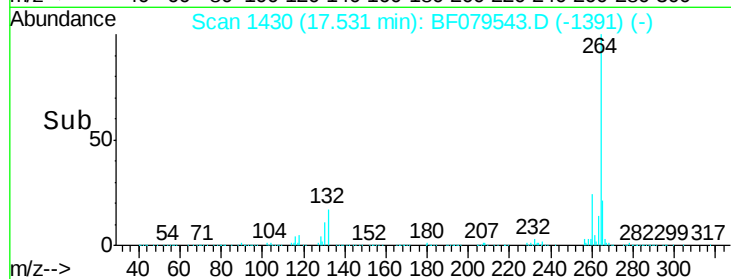
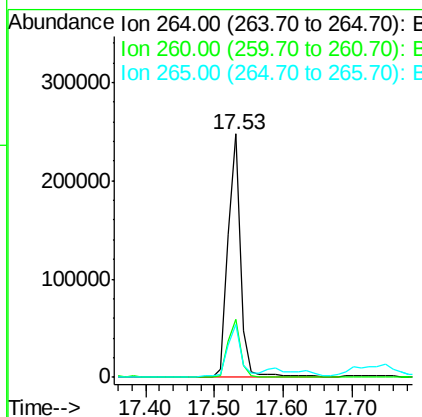
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.53 min Scan# 1430
Delta R.T. -0.06 min
Lab File: BF079543.D
Acq: 28 May 2015 14:38

Instrument :
BNA_F
ClientSampleId :
SB-31BSL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.8	29.8
265	21.8	17.8	26.6

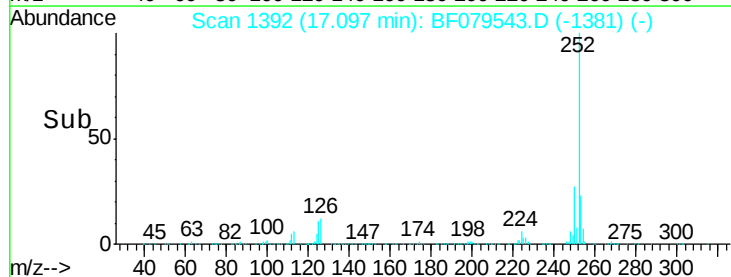
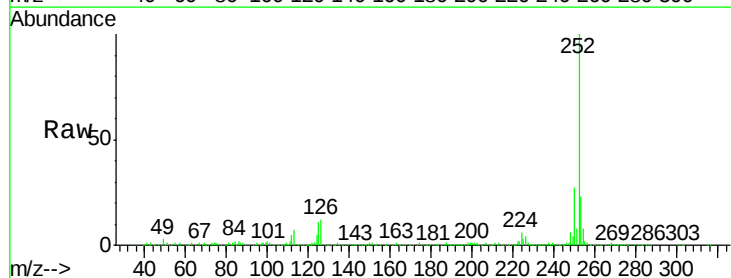
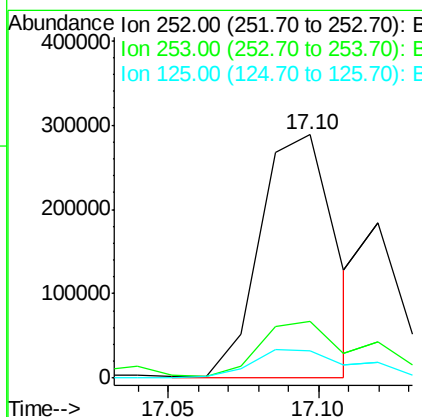
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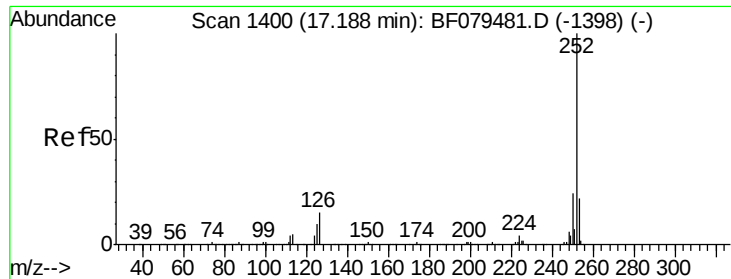
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#87
Benzo(b)fluoranthene
Concen: 27.68 ng m
RT: 17.10 min Scan# 1392
Delta R.T. -0.06 min
Lab File: BF079543.D
Acq: 28 May 2015 14:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.6	26.4
125	11.3	7.8	11.6





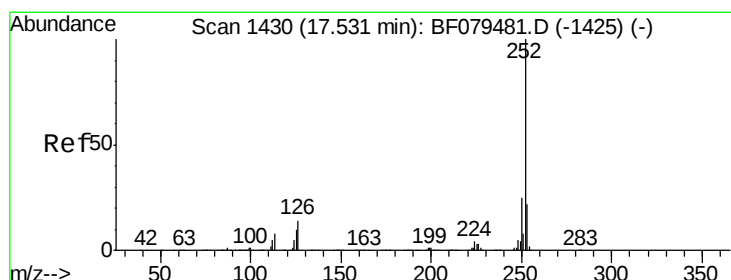
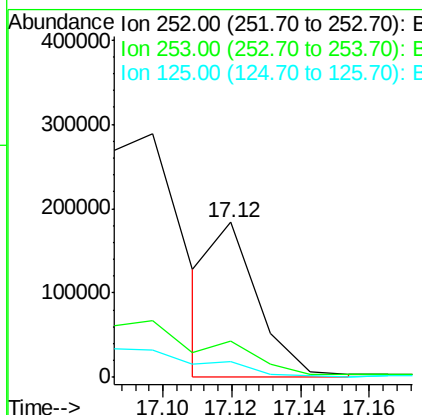
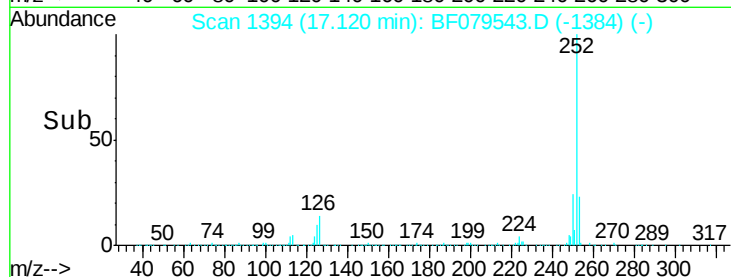
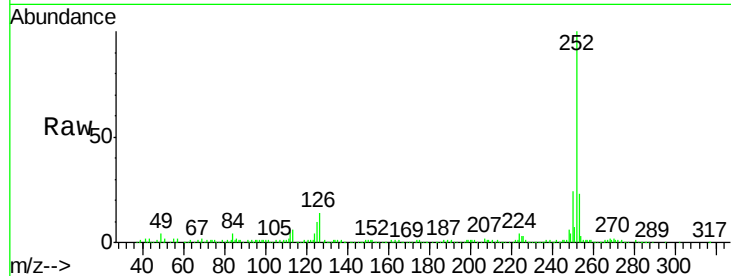
#88
Benzo(k)fluoranthene
Concen: 10.35 ng m
RT: 17.12 min Scan# 1394
Delta R.T. -0.07 min
Lab File: BF079543.D
Acq: 28 May 2015 14:38

Instrument :
BNA_F
ClientSampleId :
SB-31BSL

Tot Ion	Ratio	Resp	Lower	Upper
252	100	169253		
253	23.1	17.2	25.8	
125	10.0	6.8	10.2	

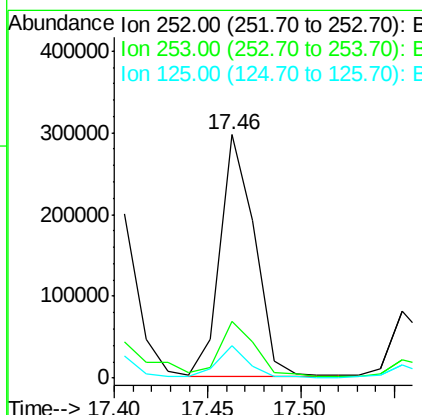
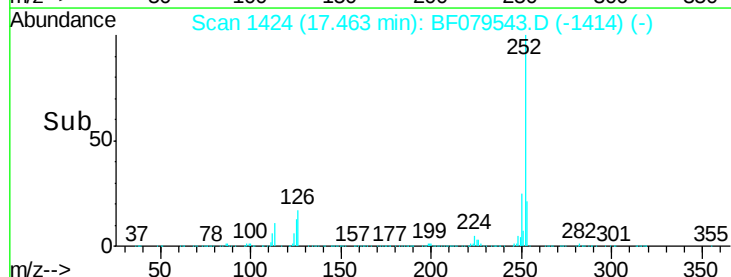
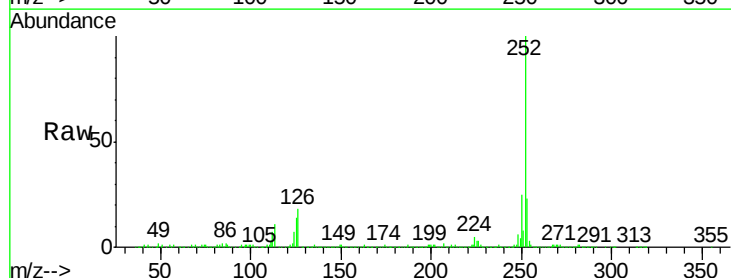
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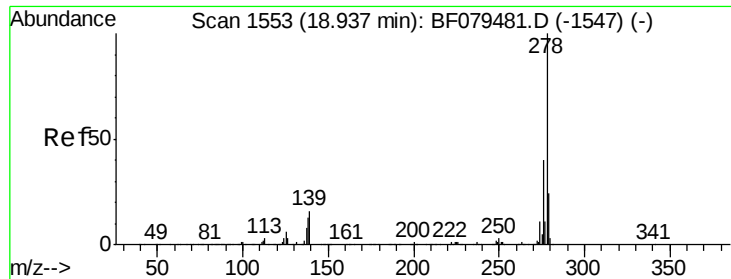
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#89
Benzo(a)pyrene
Concen: 22.91 ng
RT: 17.46 min Scan# 1424
Delta R.T. -0.07 min
Lab File: BF079543.D
Acq: 28 May 2015 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	382459		
253	23.5	17.8	26.8	
125	13.6	7.9	11.9#	





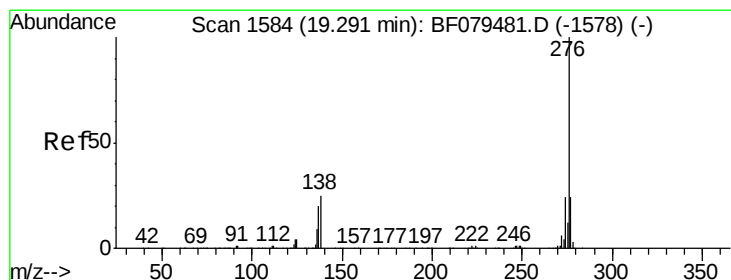
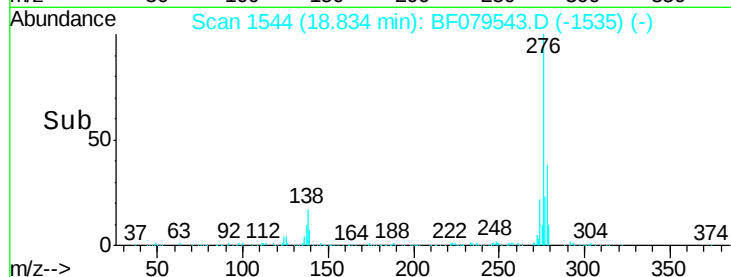
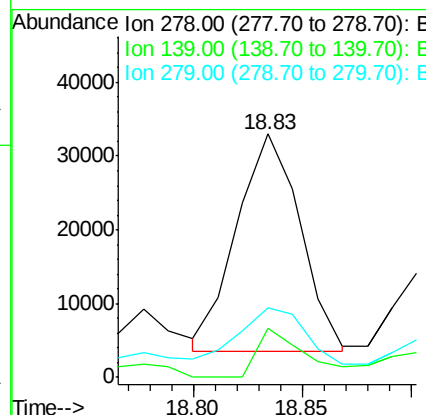
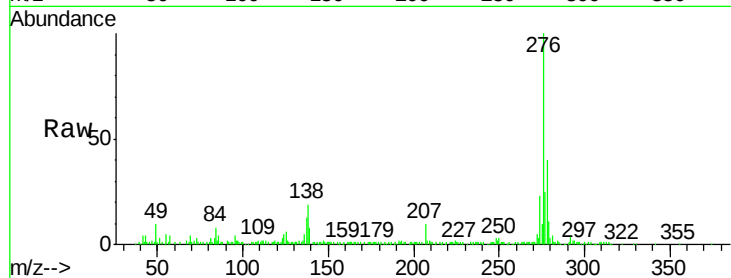
#90
Dibenzo(a,h)anthracene
Concen: 2.10 ng/mL
RT: 18.83 min Scan# 1544
Delta R.T. -0.10 min
Lab File: BF079543.D
Acq: 28 May 2015 14:38

Instrument :
BNA_F
ClientSampled :
SB-31BSL

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.2	12.8	19.2#
279	28.4	19.1	28.7

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#91
Benzo(g,h,i)perylene
Concen: 12.30 ng/mL
RT: 19.20 min Scan# 1576
Delta R.T. -0.09 min
Lab File: BF079543.D
Acq: 28 May 2015 14:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.1	28.7
138	20.8	20.1	30.1

