

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052715\
 Data File : BF079535.D
 Acq On : 27 May 2015 23:21
 Operator : TP/IZ
 Sample : G2359-10
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-31BS

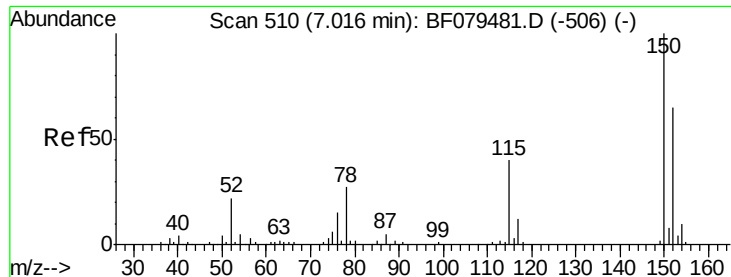
Manual Integrations
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Quant Time: May 28 01:57:27 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 00:48:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	74529	20.00	ng	0.00
21) Naphthalene-d8	8.58	136	309619	20.00	ng	0.00
38) Acenaphthene-d10	10.74	164	151095	20.00	ng	0.00
63) Phenanthrene-d10	12.58	188	287649	20.00	ng	0.00
75) Chrysene-d12	15.86	240	283863	20.00	ng	-0.08
86) Perylene-d12	17.57	264	329324	20.00	ng	-0.32
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	430509m	100.19	ng	0.00
7) Phenol-d6	6.59	99	563010m	102.80	ng	0.00
23) Nitrobenzene-d5	7.70	82	336498	62.82	ng	0.00
41) 2,4,6-Tribromophenol	11.73	330	169301	102.01	ng	-0.01
44) 2-Fluorobiphenyl	9.93	172	669323	63.20	ng	0.00
78) Terphenyl-d14	14.58	244	700477	57.91	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.60	128	147869	9.95	ng	98
37) 2-Methylnaphthalene	9.46	142	46860	4.54	ng	# 93
48) Acenaphthylene	10.57	152	61392	3.97	ng	98
49) Dimethylphthalate	10.43	163	26334	2.37	ng	98
51) Acenaphthene	10.79	154	129615	14.65	ng	100
54) Dibenzofuran	11.01	168	139243	10.67	ng	92
57) Fluorene	11.43	166	162212	15.08	ng	97
70) Phenanthrene	12.62	178	1451517	91.98	ng	97
71) Anthracene	12.67	178	471761	29.45	ng	99
72) Carbazole	12.89	167	174962	11.34	ng	98
74) Fluoranthene	14.09	202	1651468	97.59	ng	94
77) Pyrene	14.37	202	1546248	87.92	ng	# 95
80) Benzo(a)anthracene	15.85	228	915995	56.09	ng	98
82) Chrysene	15.90	228	734201	47.30	ng	96
85) Indeno(1,2,3-cd)pyrene	18.88	276	453912m	22.74	ng	
87) Benzo(b)fluoranthene	17.13	252	1070428m	56.99	ng	
88) Benzo(k)fluoranthene	17.17	252	245403m	14.61	ng	
89) Benzo(a)pyrene	17.51	252	768889	46.76	ng	98
90) Dibenzo(a,h)anthracene	18.89	278	116677m	5.43	ng	
91) Benzo(g,h,i)perylene	19.26	276	430887	24.70	ng	99

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



#1

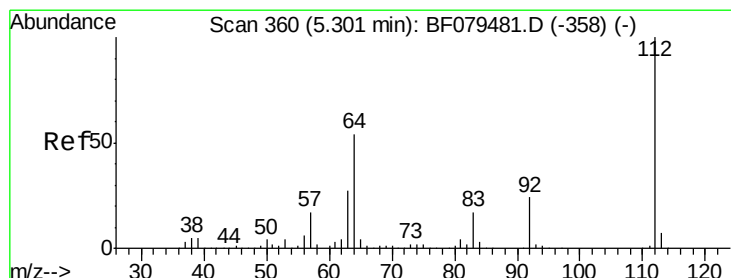
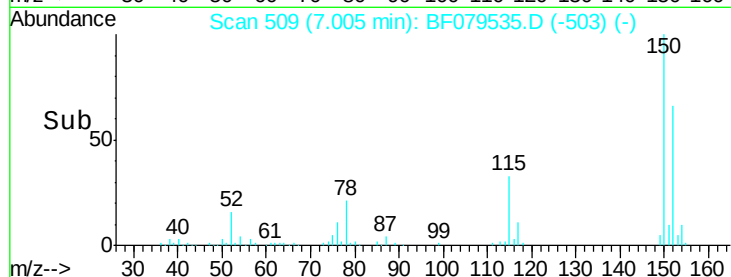
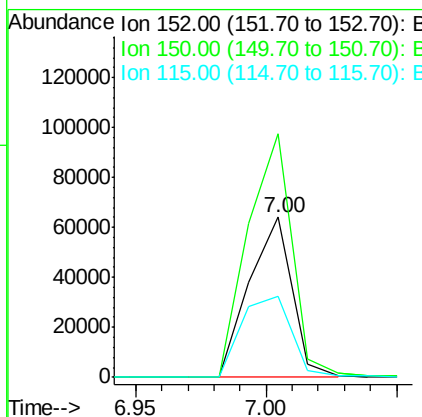
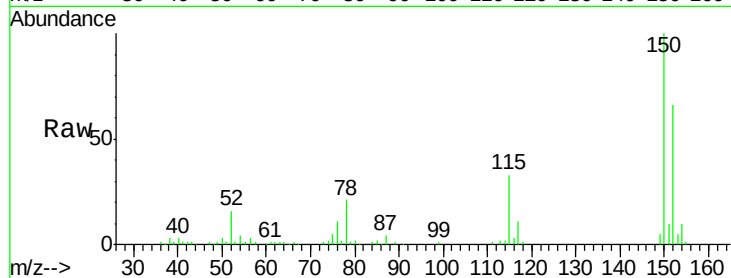
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.00 min Scan# 509
Delta R.T. 0.00 min
Lab File: BF079535.D
Acq: 27 May 2015 23:21

Instrument :
BNA_F
ClientSampleId :
SB-31BS

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.1	124.0	186.0
115	50.6	49.6	74.4

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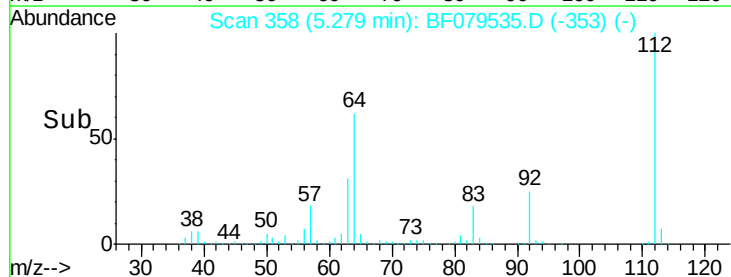
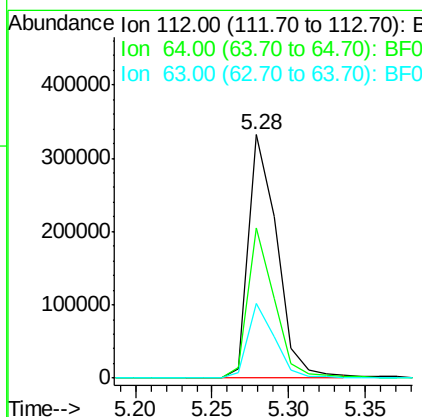
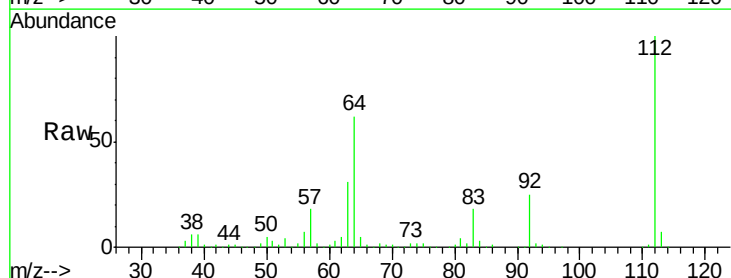
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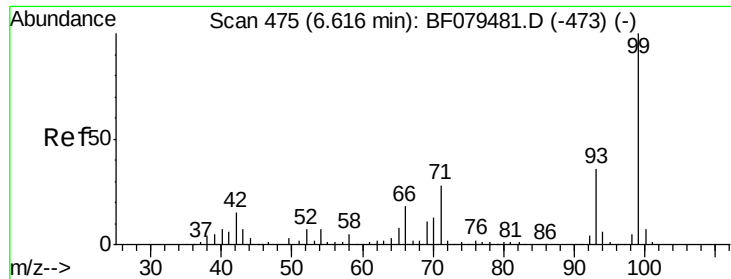


#5

2-Fluorophenol
Concen: 100.19 ng m
RT: 5.28 min Scan# 358
Delta R.T. 0.00 min
Lab File: BF079535.D
Acq: 27 May 2015 23:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	43.5	65.3
63	30.7	21.8	32.8





#7

Phenol-d6

Concen: 102.80 ng m

RT: 6.59 min Scan# 473

Delta R.T. 0.00 min

Lab File: BF079535.D

Acq: 27 May 2015 23:21

Instrument :

BNA_F

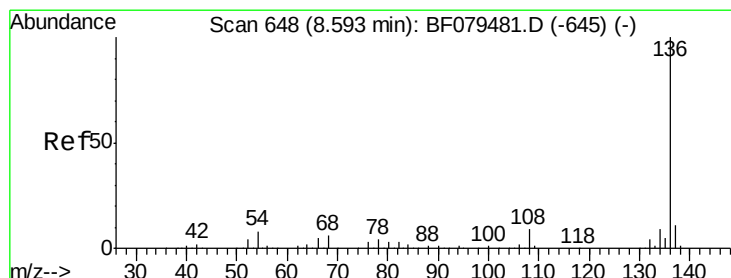
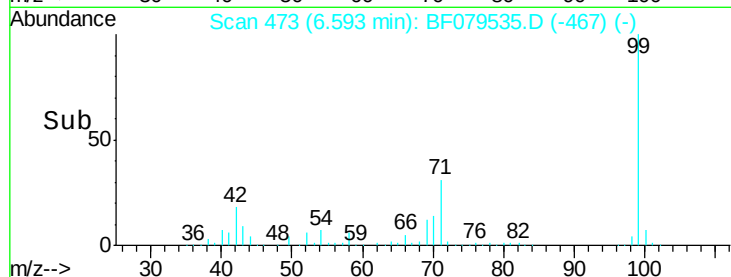
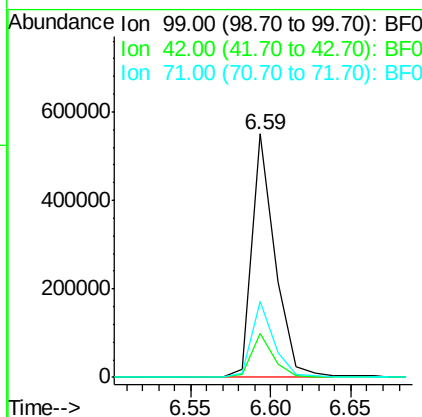
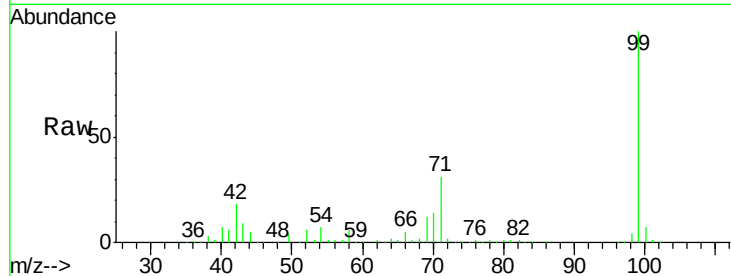
ClientSampleId :

SB-31BS

Tgt Ion:	99	Resp:	563010
Ion Ratio	Lower	Upper	
99	100		
42	18.1	11.9	17.9#
71	31.1	22.1	33.1

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#21

Naphthalene-d8

Concen: 20.00 ng

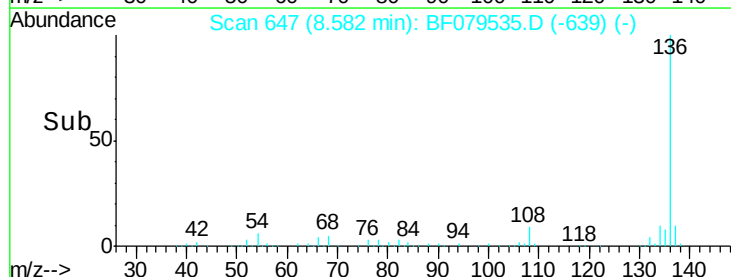
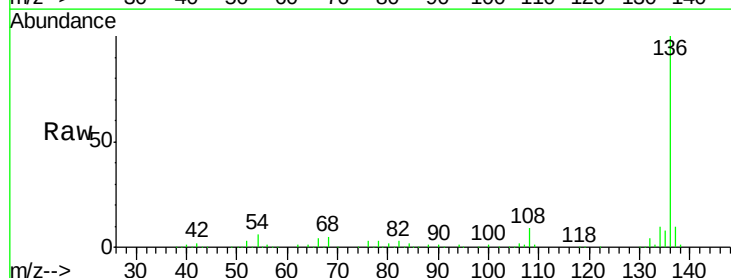
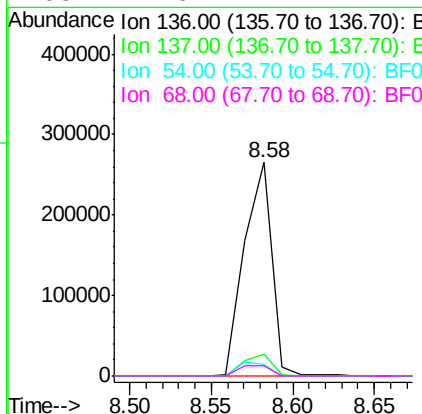
RT: 8.58 min Scan# 647

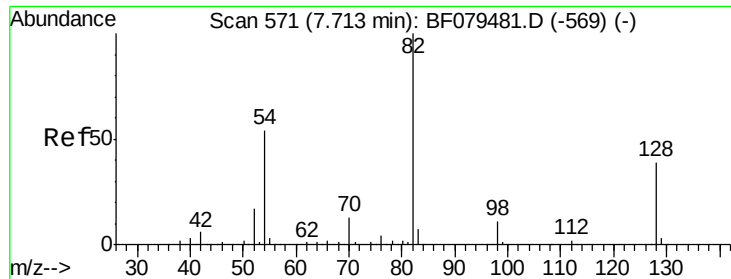
Delta R.T. 0.00 min

Lab File: BF079535.D

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Tgt Ion:	136	Resp:	309619
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.5	12.7
54	5.6	6.6	9.8#
68	4.6	4.7	7.1#





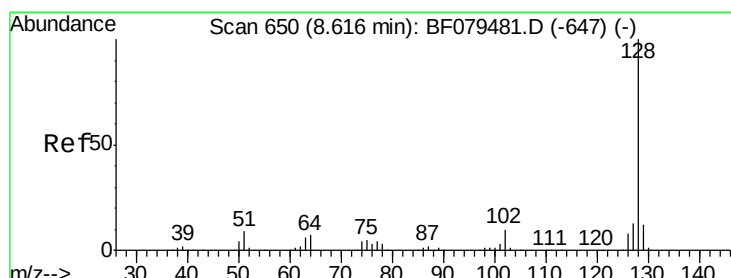
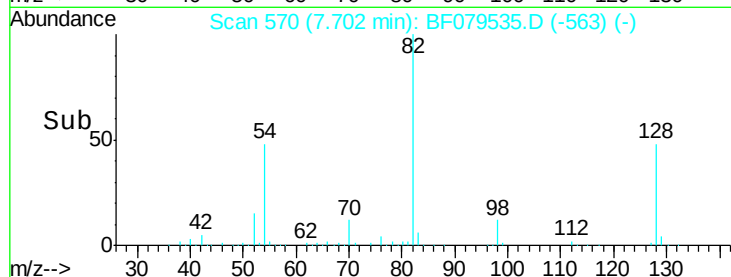
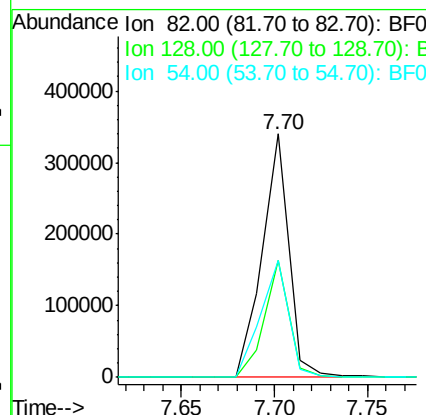
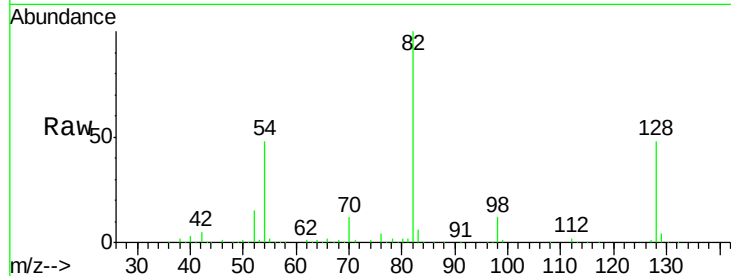
#23
Nitrobenzene-d5
Concen: 62.82 ng
RT: 7.70 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF079535.D
Acq: 27 May 2015 23:21

Instrument :
BNA_F
ClientSampleId :
SB-31BS

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	48.2	30.8	46.2#
54	48.2	42.8	64.2

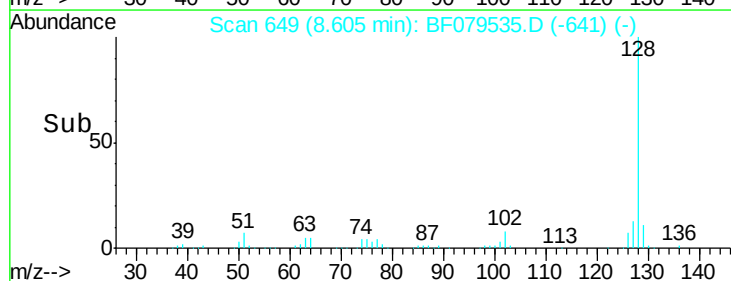
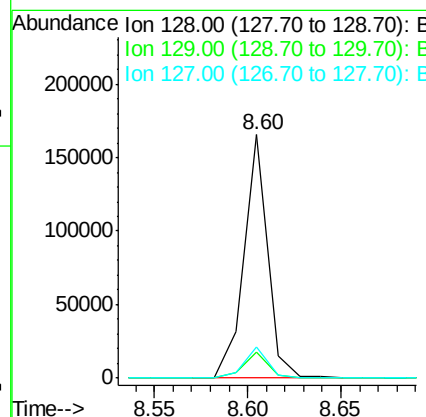
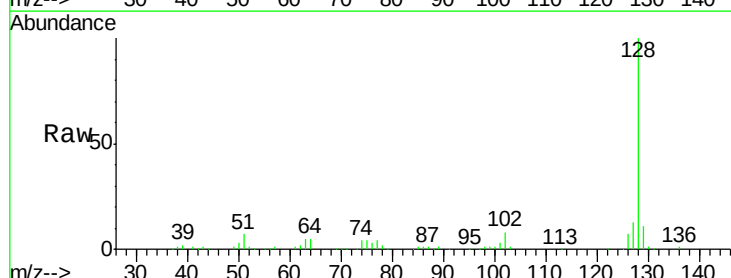
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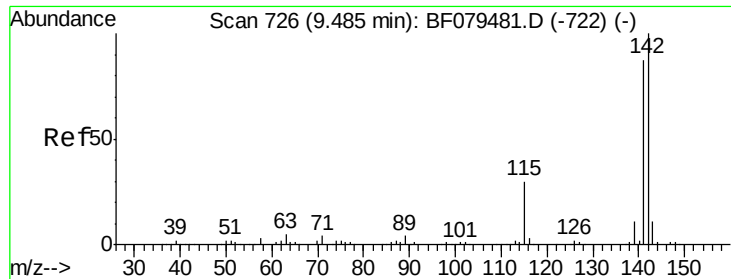
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#31
Naphthalene
Concen: 9.95 ng
RT: 8.60 min Scan# 649
Delta R.T. 0.00 min
Lab File: BF079535.D
Acq: 27 May 2015 23:21

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
129	10.6	9.3	13.9
127	12.8	10.6	15.8





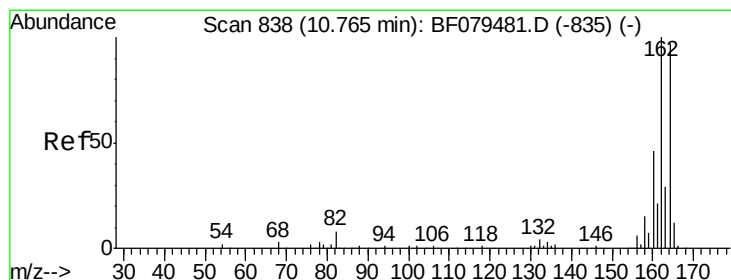
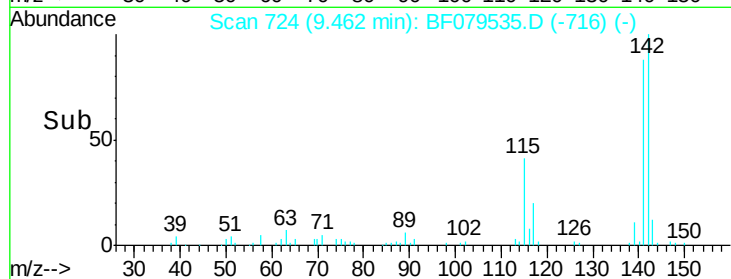
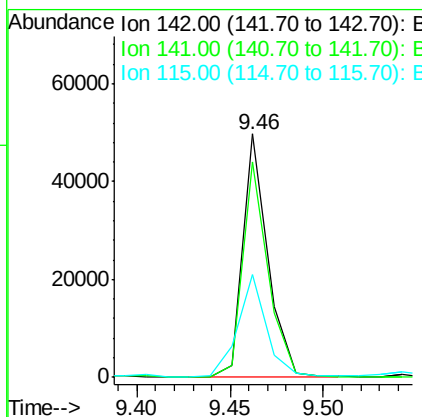
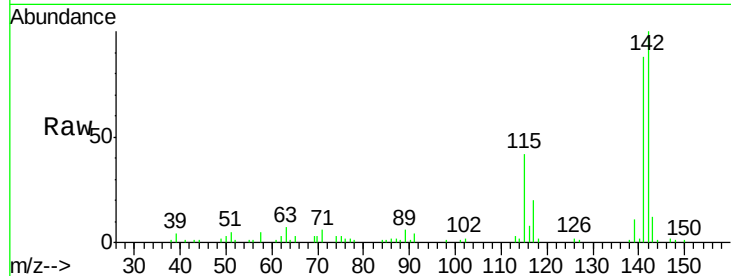
#37
2-Methylnaphthalene
Concen: 4.54 ng
RT: 9.46 min Scan# 724
Delta R.T. 0.00 min
Lab File: BF079535.D
Acq: 27 May 2015 23:21

Instrument :
BNA_F
ClientSampleId :
SB-31BS

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	46860		
141	88.5	69.5	104.3	
115	42.0	23.8	35.6	

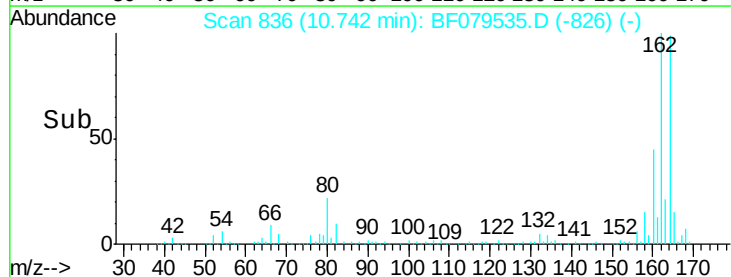
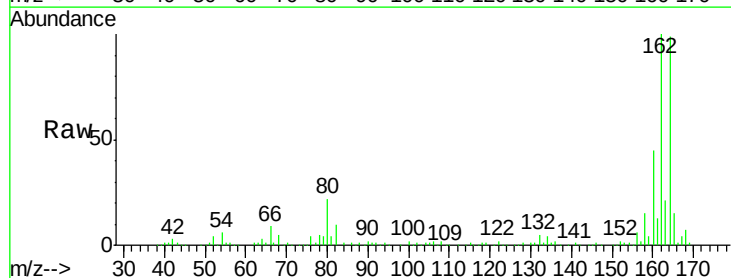
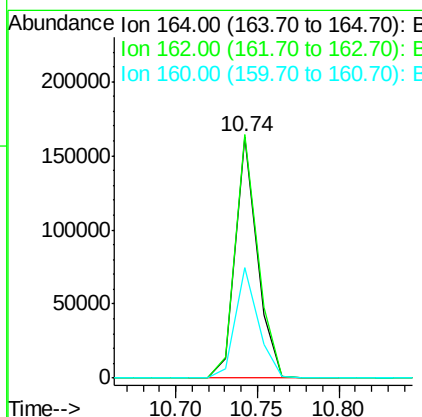
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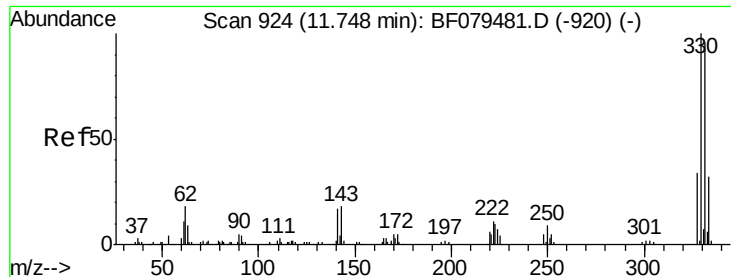
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.74 min Scan# 836
Delta R.T. 0.00 min
Lab File: BF079535.D
Acq: 27 May 2015 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	151095		
162	100.8	82.6	124.0	
160	45.9	37.7	56.5	





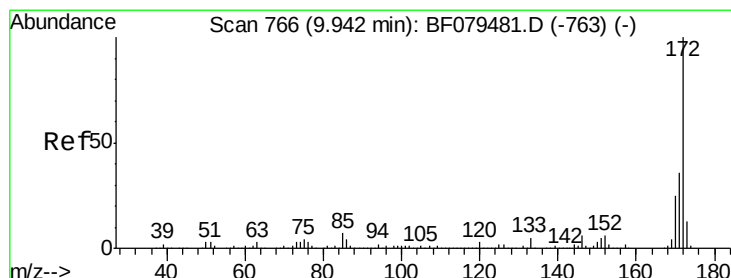
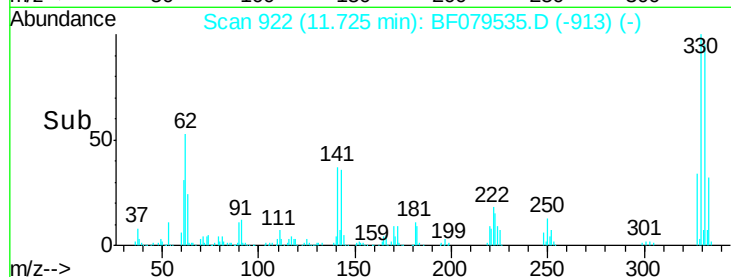
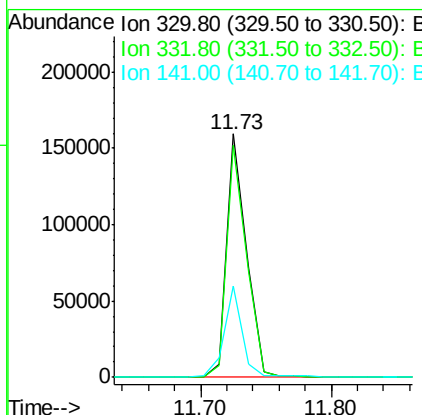
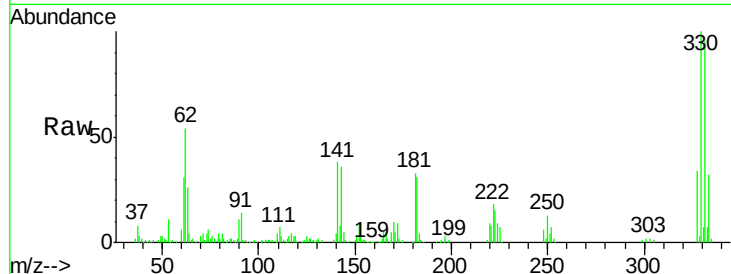
#41
 2,4,6-Tribromophenol
 Concen: 102.01 ng
 RT: 11.73 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF079535.D
 Acq: 27 May 2015 23:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-31BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	95.1	0.0	0.0#
141	33.7	0.0	0.0#

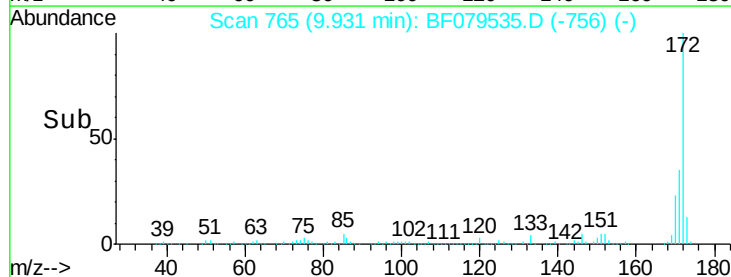
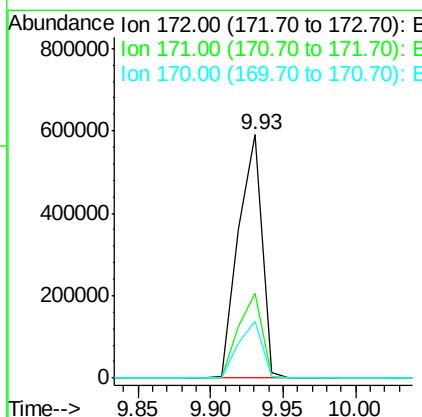
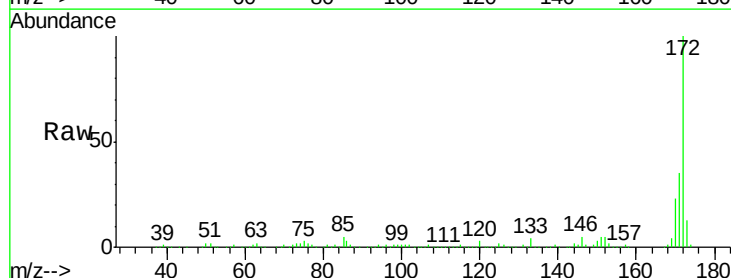
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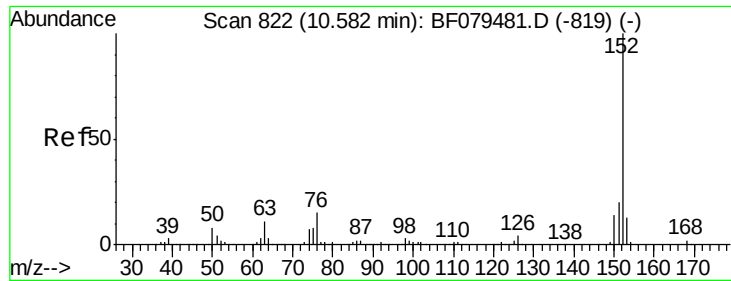
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#44
 2-Fluorobiphenyl
 Concen: 63.20 ng
 RT: 9.93 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: BF079535.D
 Acq: 27 May 2015 23:21

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	34.9	28.5	42.7
170	23.4	19.7	29.5





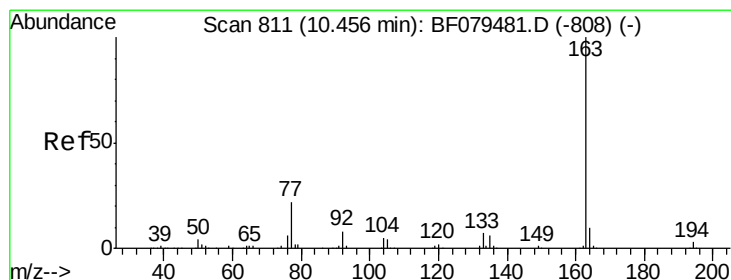
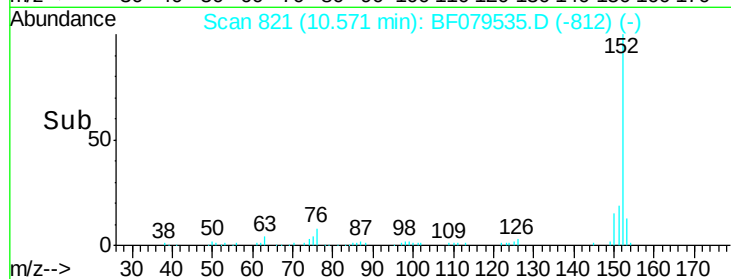
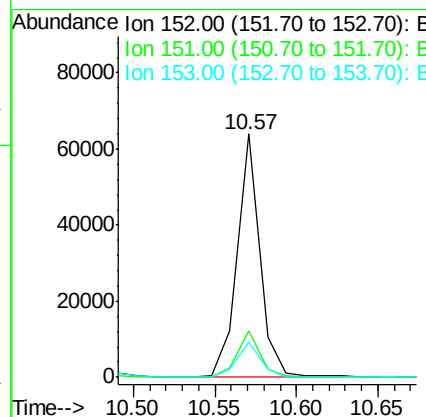
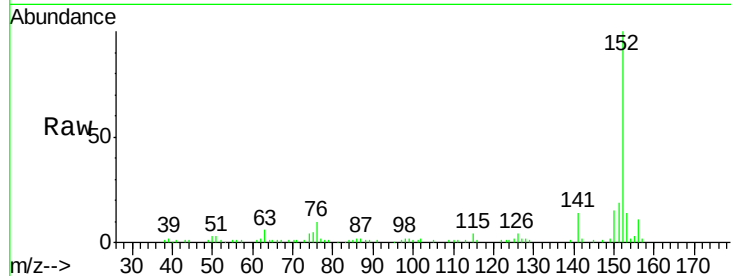
#48
Acenaphthylene
Concen: 3.97 ng
RT: 10.57 min Scan# 821
Delta R.T. 0.00 min
Lab File: BF079535.D
Acq: 27 May 2015 23:21

Instrument :
BNA_F
ClientSampleId :
SB-31BS

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	61392		
151	19.3	15.8	23.8	
153	14.5	10.7	16.1	

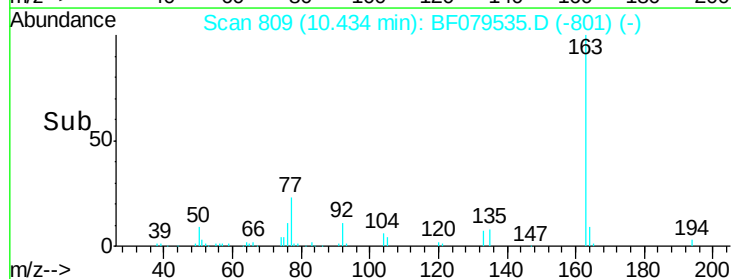
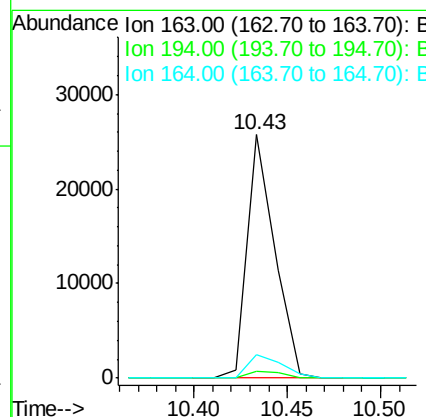
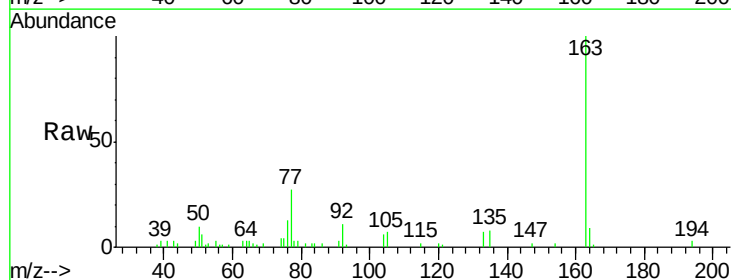
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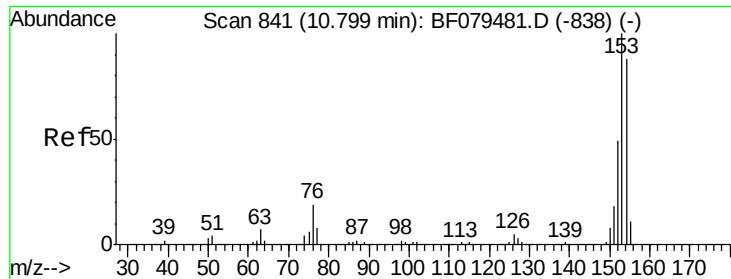
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#49
Dimethylphthalate
Concen: 2.37 ng
RT: 10.43 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF079535.D
Acq: 27 May 2015 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	26334		
194	3.0	2.4	3.6	
164	9.5	8.2	12.4	





#51

Acenaphthene

Concen: 14.65 ng

RT: 10.79 min Scan# 840

Delta R.T. 0.00 min

Lab File: BF079535.D

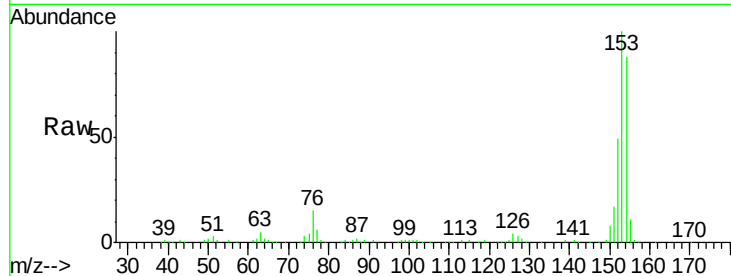
Acq: 27 May 2015 23:21

Instrument :

BNA_F

ClientSampleId :

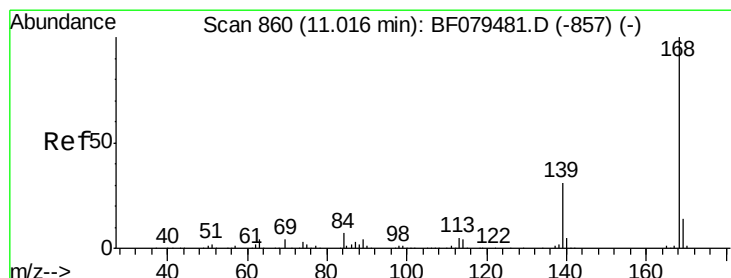
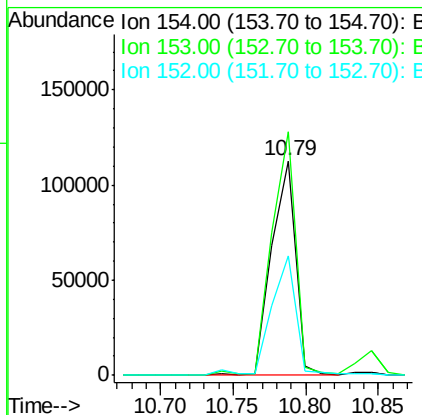
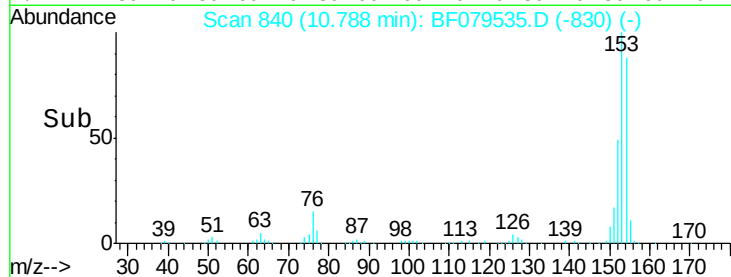
SB-31BS



Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	113.7	91.1	136.7	
152	55.5	44.6	66.8	

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#54

Dibenzofuran

Concen: 10.67 ng

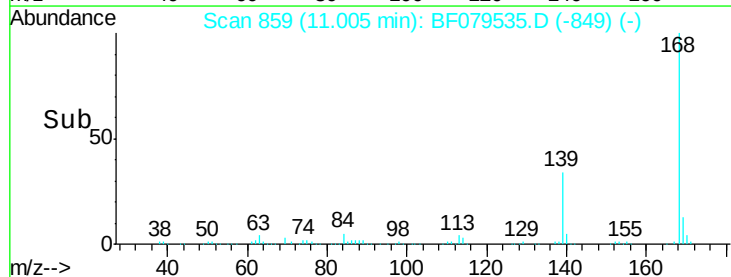
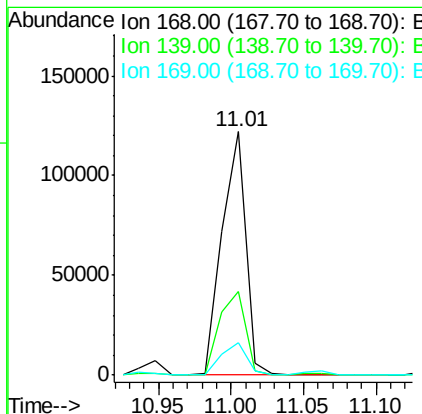
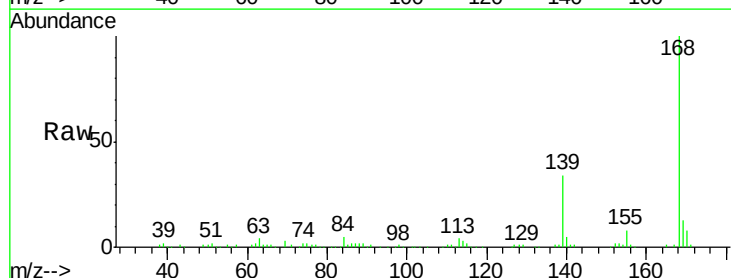
RT: 11.01 min Scan# 859

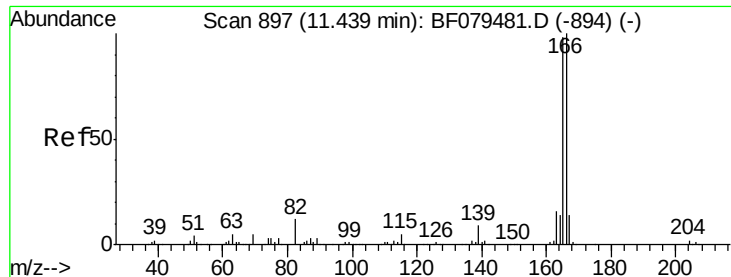
Delta R.T. 0.00 min

Lab File: BF079535.D

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Tgt Ion	Ratio	Resp	Lower	Upper
168	100			
139	34.4	32.9	49.3	
169	13.3	11.1	16.7	





#57

Fluorene

Concen: 15.08 ng

RT: 11.43 min Scan# 896

Delta R.T. 0.00 min

Lab File: BF079535.D

Acq: 27 May 2015 23:21

Instrument :

BNA_F

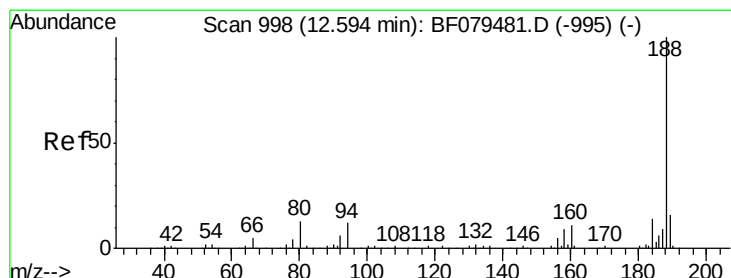
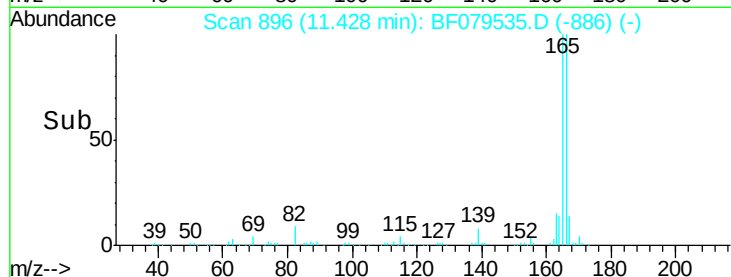
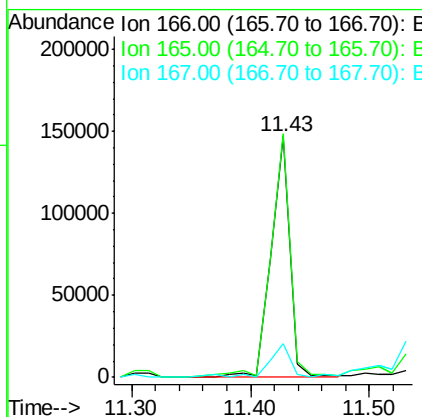
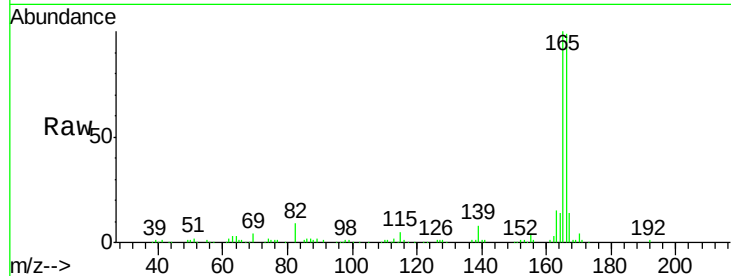
ClientSampleId :

SB-31BS

Tgt Ion:	166	Resp:	162212
Ion Ratio	Lower	Upper	
166	100		
165	101.2	78.6	117.8
167	14.2	10.8	16.2

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#63

Phenanthrene-d10

Concen: 20.00 ng

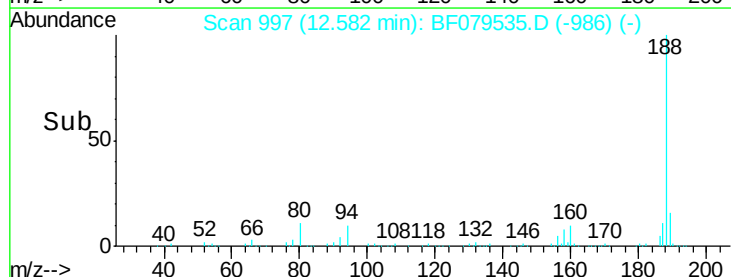
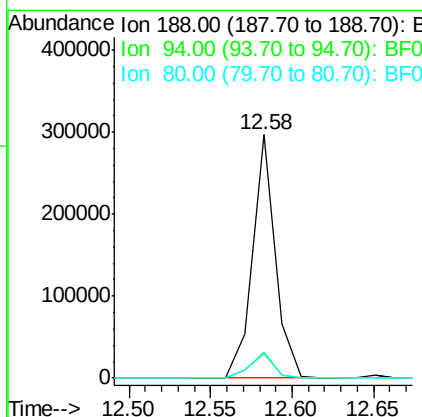
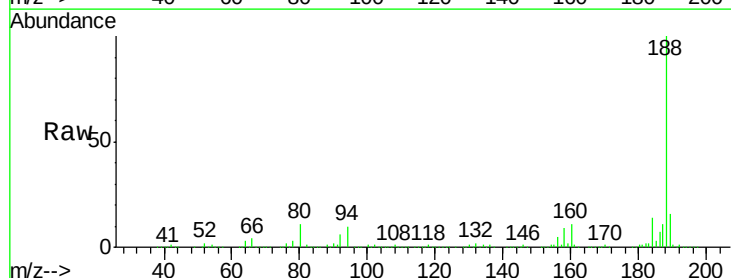
RT: 12.58 min Scan# 997

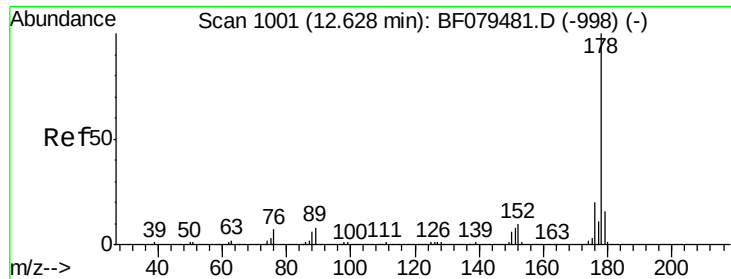
Delta R.T. 0.00 min

Lab File: BF079535.D

Acq: 27 May 2015 23:21

Tgt Ion:	188	Resp:	287649
Ion Ratio	Lower	Upper	
188	100		
94	10.1	9.8	14.6
80	10.7	10.5	15.7





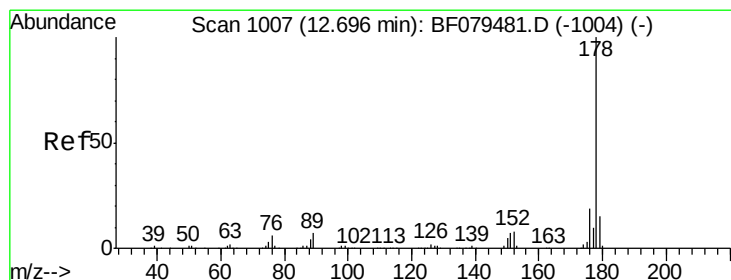
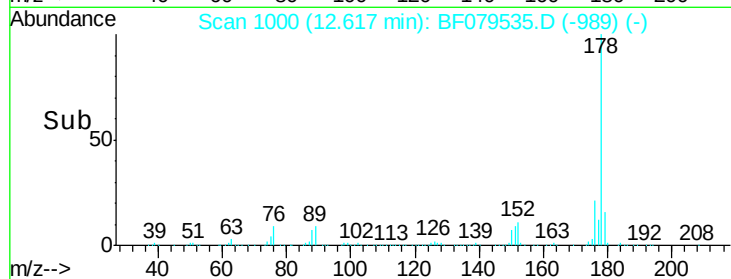
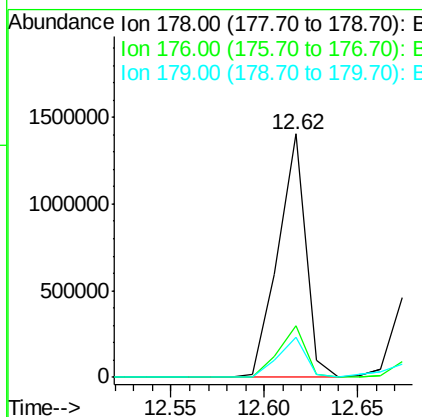
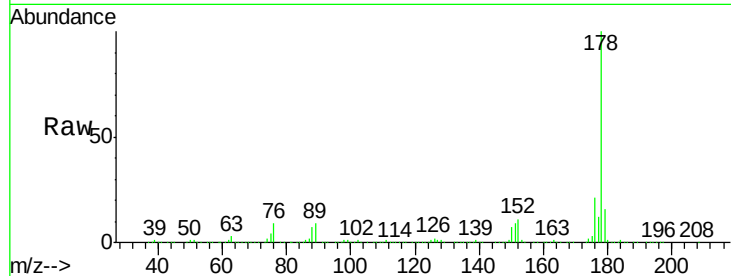
#70
 Phenanthrene
 Concen: 91.98 ng
 RT: 12.62 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: BF079535.D
 Acq: 27 May 2015 23:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-31BS

Tgt Ion:178 Resp: 1451517
 Ion Ratio Lower Upper
 178 100
 176 21.4 15.7 23.5
 179 16.4 12.4 18.6

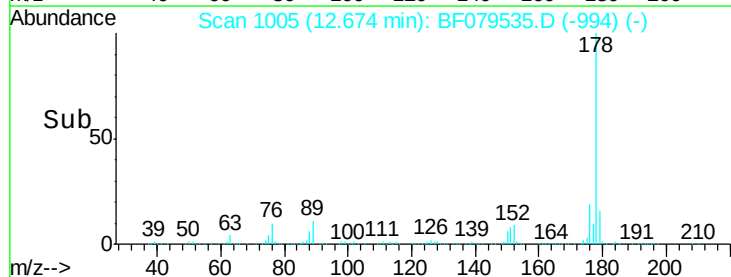
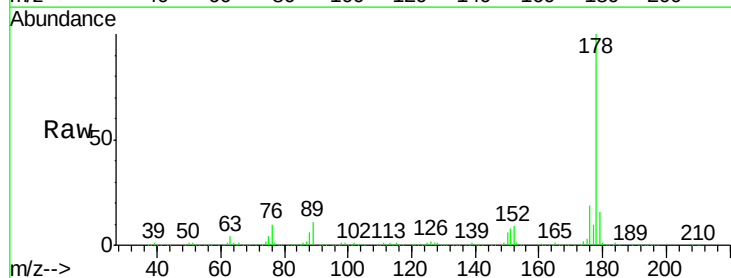
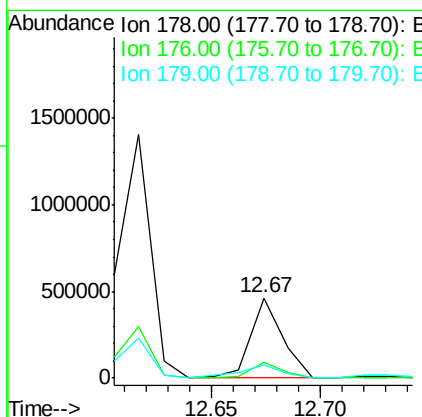
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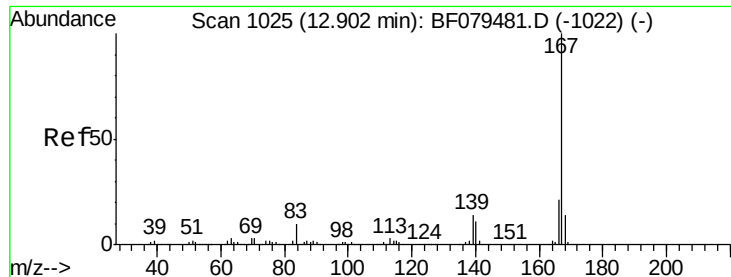
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#71
 Anthracene
 Concen: 29.45 ng
 RT: 12.67 min Scan# 1005
 Delta R.T. 0.00 min
 Lab File: BF079535.D
 Acq: 27 May 2015 23:21

Tgt Ion:178 Resp: 471761
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.3 22.9
 179 16.2 12.2 18.4





#72

Carbazole

Concen: 11.34 ng

RT: 12.89 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BF079535.D

Acq: 27 May 2015 23:21

Instrument :

BNA_F

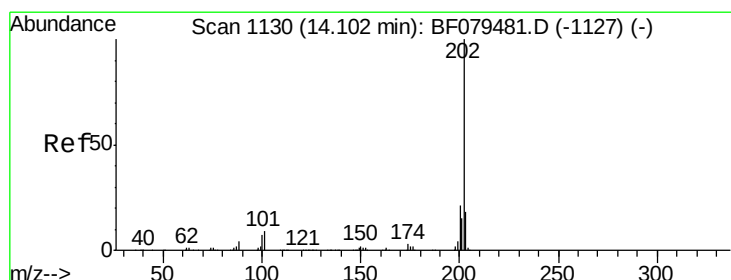
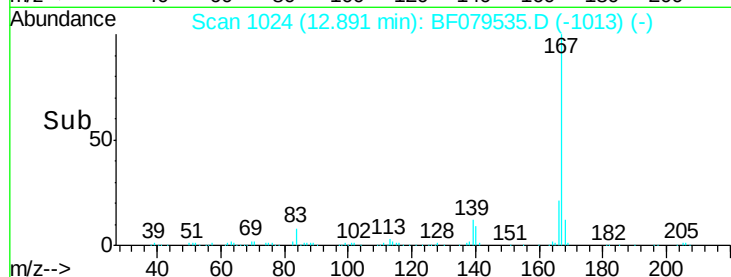
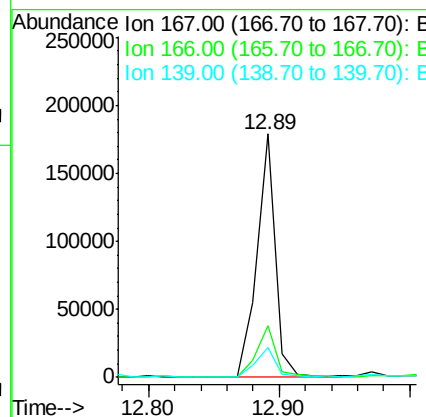
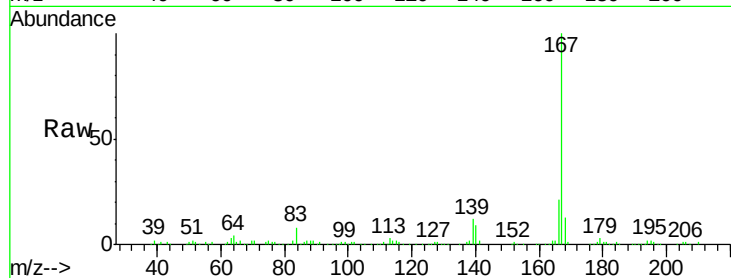
ClientSampleId :

SB-31BS

Tgt Ion:	167	Resp:	174962
Ion Ratio	Lower	Upper	
167	100		
166	21.1	17.0	25.4
139	12.5	11.2	16.8

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#74

Fluoranthene

Concen: 97.59 ng

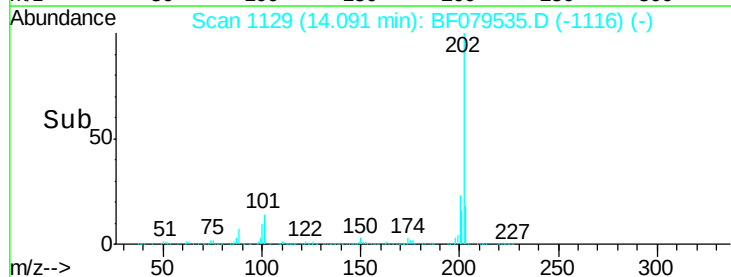
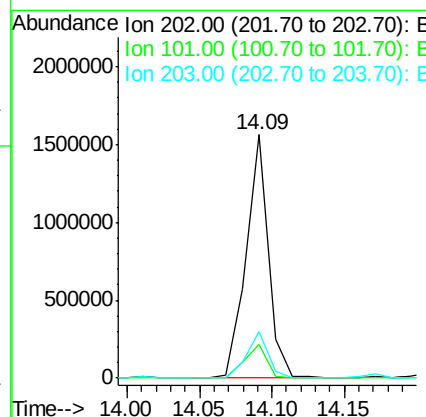
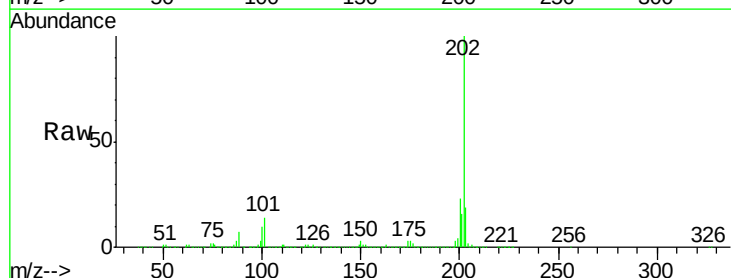
RT: 14.09 min Scan# 1129

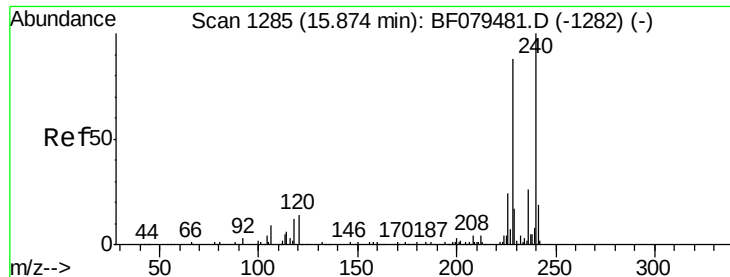
Delta R.T. 0.00 min

Lab File: BF079535.D

Acq: 27 May 2015 23:21

Tgt Ion:	202	Resp:	1651468
Ion Ratio	Lower	Upper	
202	100		
101	13.9	0.0	29.3
203	18.9	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: BF079535.D

Acq: 27 May 2015 23:21

Instrument :

BNA_F

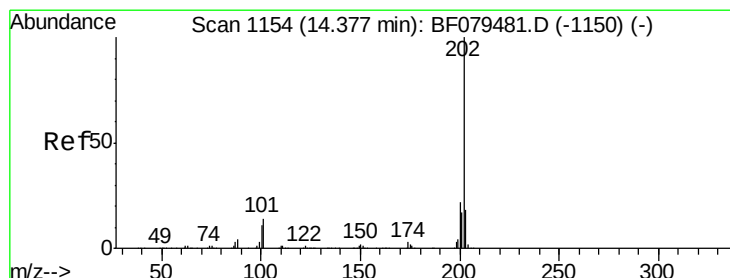
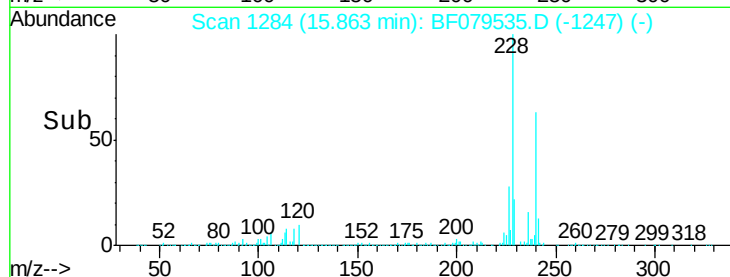
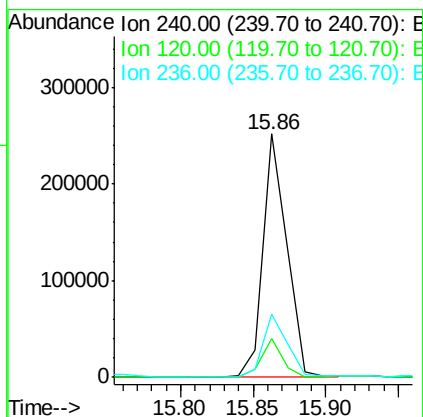
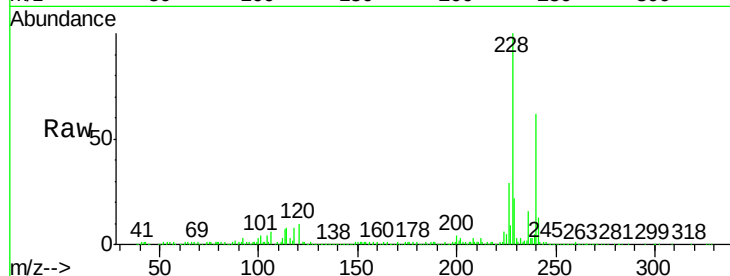
ClientSampleId :

SB-31BS

Tgt Ion:	240	Resp:	283863
Ion Ratio	Lower	Upper	
240	100		
120	15.7	10.8	16.2
236	26.0	21.0	31.6

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#77

Pyrene

Concen: 87.92 ng

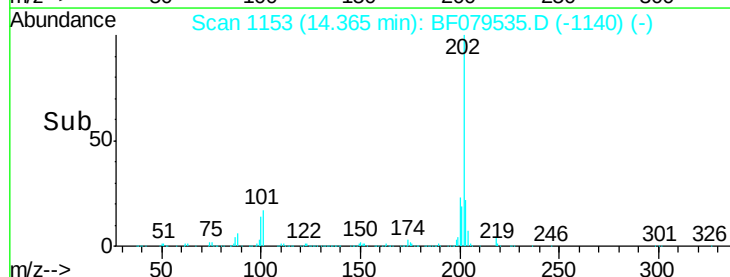
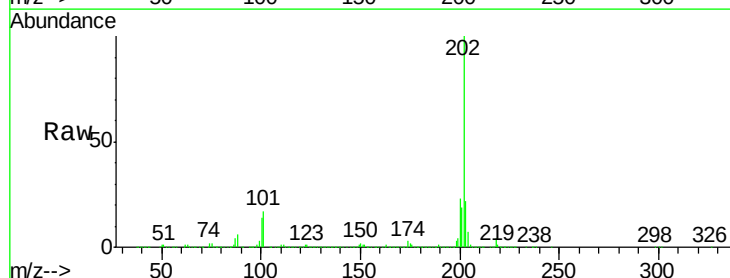
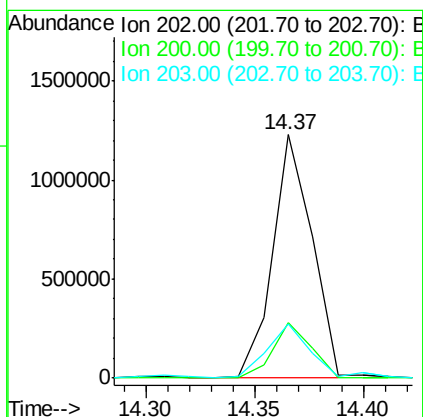
RT: 14.37 min Scan# 1153

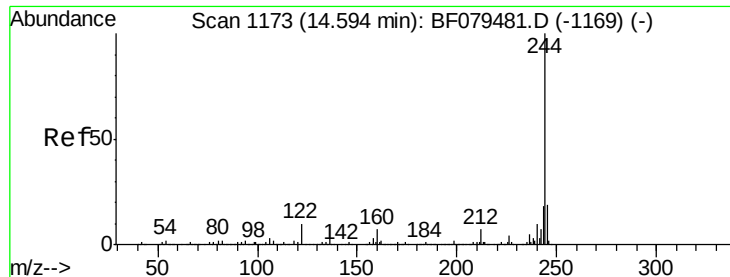
Delta R.T. 0.00 min

Lab File: BF079535.D

Acq: 27 May 2015 23:21

Tgt Ion:	202	Resp:	1546248
Ion Ratio	Lower	Upper	
202	100		
200	23.0	17.5	26.3
203	22.1	14.4	21.6#





#78

Terphenyl-d14

Concen: 57.91 ng

RT: 14.58 min Scan# 1172

Delta R.T. -0.01 min

Lab File: BF079535.D

Acq: 27 May 2015 23:21

Instrument :

BNA_F

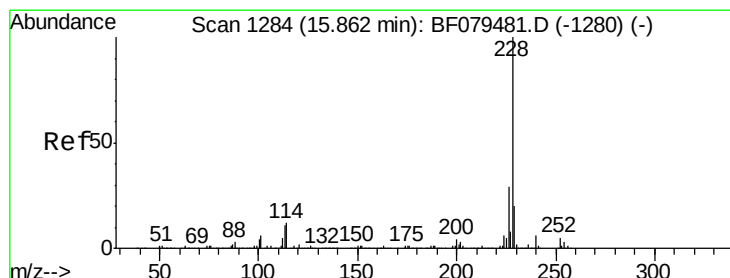
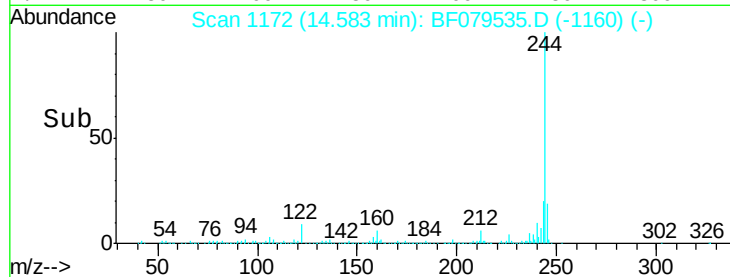
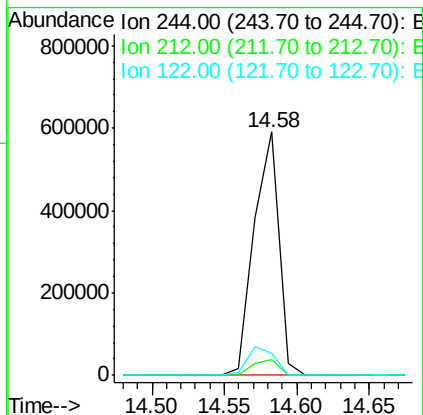
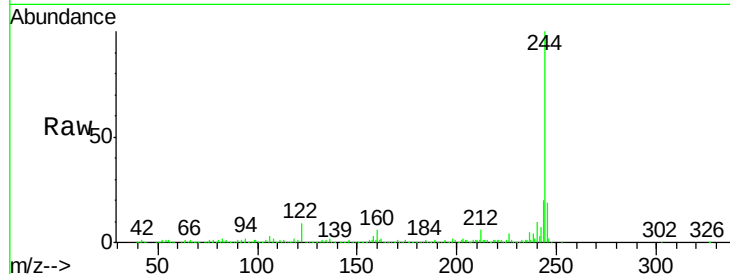
ClientSampleId :

SB-31BS

Tgt Ion:	244	Resp:	700477
Ion Ratio		Lower	Upper
244	100		
212	6.4	5.2	7.8
122	8.9	8.0	12.0

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#80

Benzo(a)anthracene

Concen: 56.09 ng

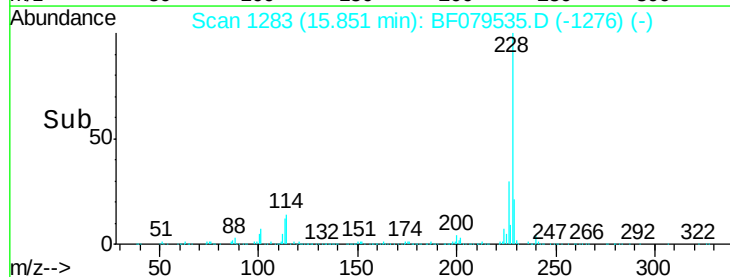
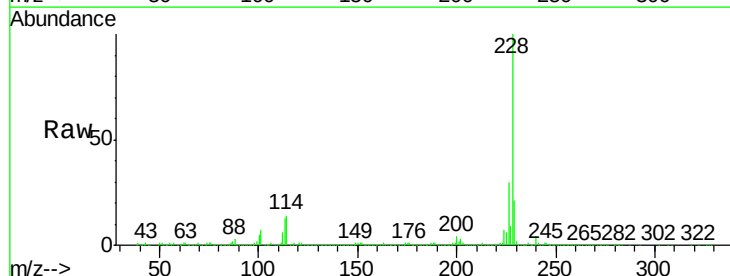
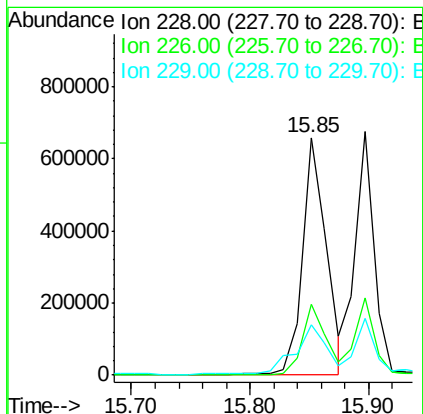
RT: 15.85 min Scan# 1283

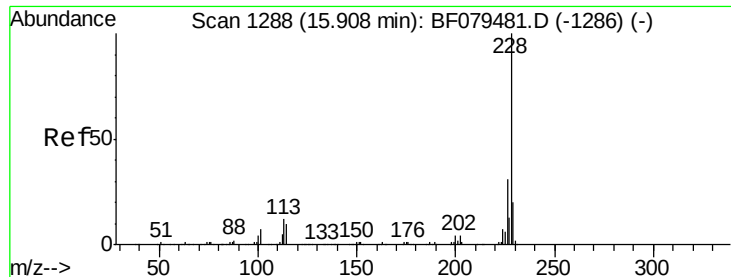
Delta R.T. -0.08 min

Lab File: BF079535.D

Acq: 27 May 2015 23:21

Tgt Ion:	228	Resp:	915995
Ion Ratio		Lower	Upper
228	100		
226	29.7	22.8	34.2
229	21.3	15.9	23.9





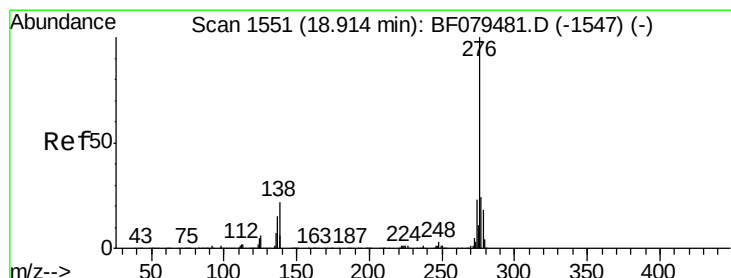
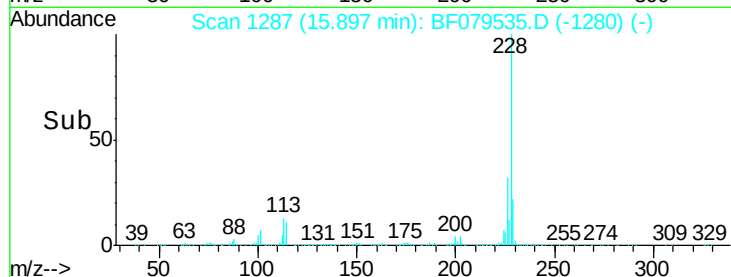
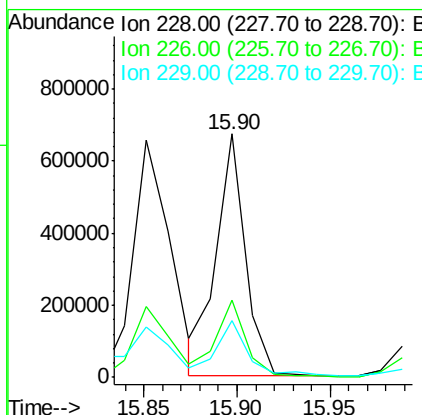
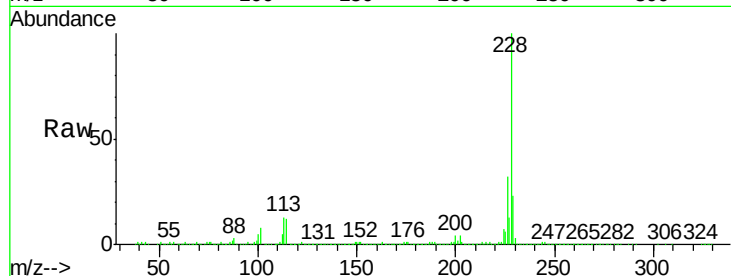
#82
Chrysene
 Concen: 47.30 ng
 RT: 15.90 min Scan# 1287
 Delta R.T. -0.08 min
 Lab File: BF079535.D
 Acq: 27 May 2015 23:21

Instrument :
 BNA_F
 ClientSampleID :
 SB-31BS

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	734201		
226	31.9	25.0	37.4	
229	23.3	15.9	23.9	

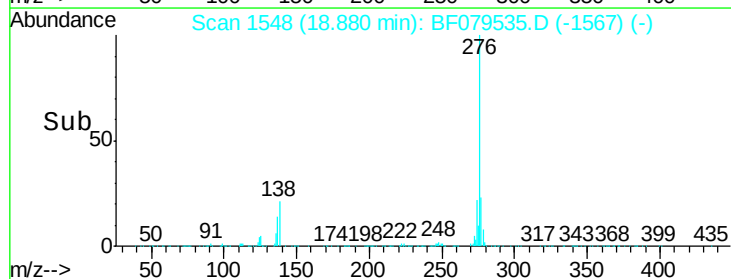
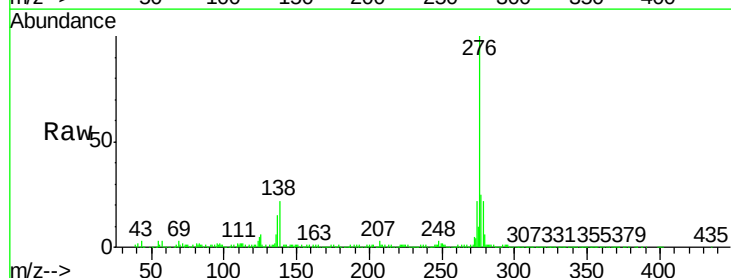
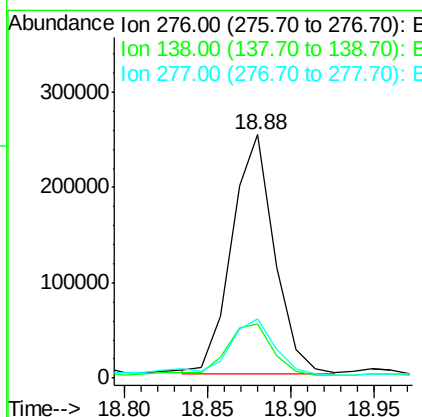
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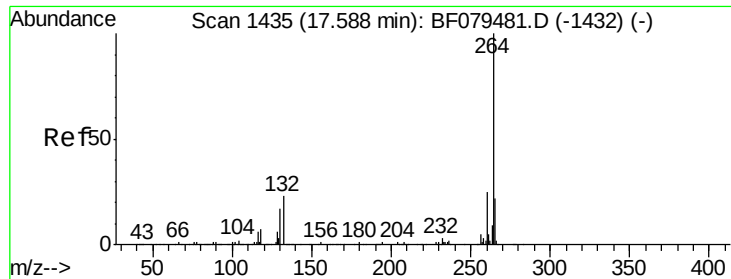
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#85
Indeno(1,2,3-cd)pyrene
 Concen: 22.74 ng m
 RT: 18.88 min Scan# 1548
 Delta R.T. -0.42 min
 Lab File: BF079535.D
 Acq: 27 May 2015 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	453912		
138	23.1	21.4	32.2	
277	24.5	19.8	29.6	





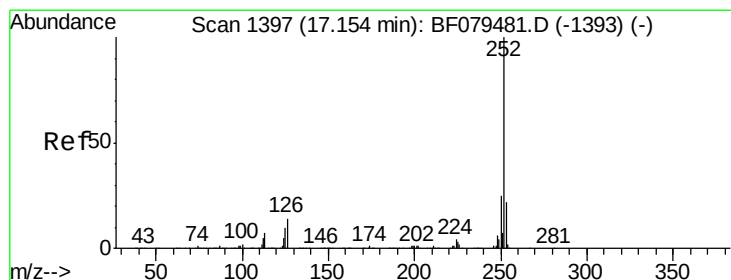
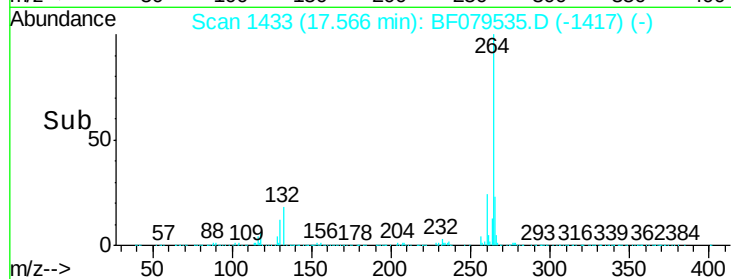
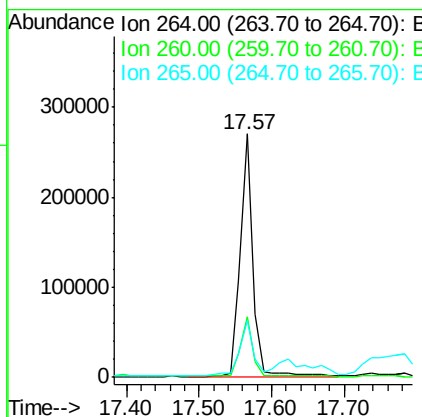
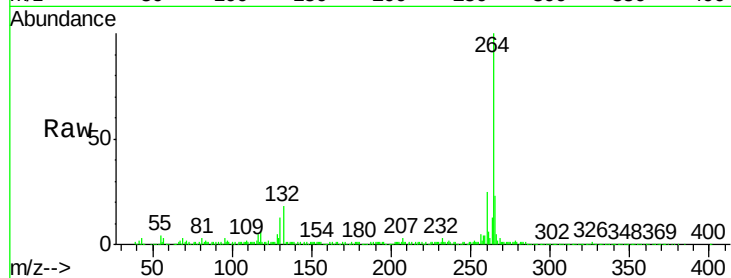
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.57 min Scan# 1433
Delta R.T. -0.32 min
Lab File: BF079535.D
Acq: 27 May 2015 23:21

Instrument :
BNA_F
ClientSampleId :
SB-31BS

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.8	29.8
265	23.2	17.8	26.6

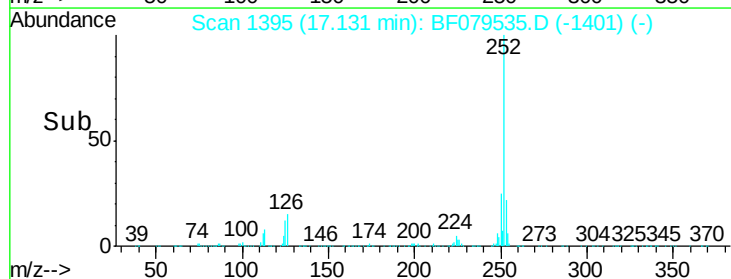
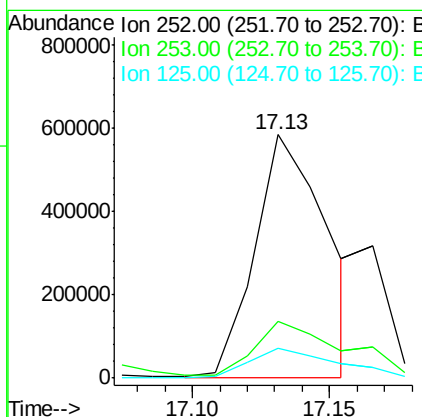
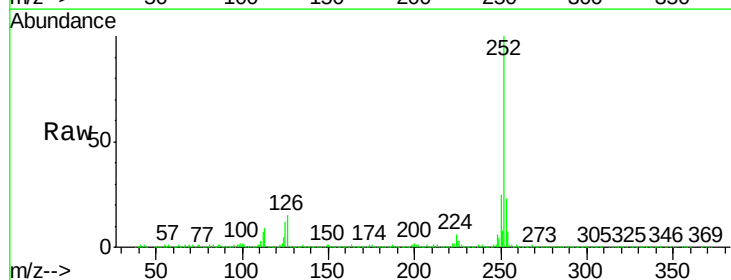
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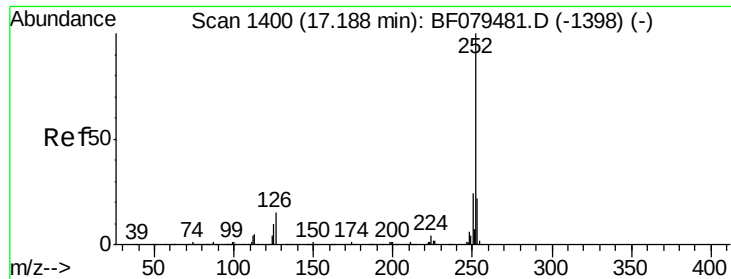
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#87
Benzo(b)fluoranthene
Concen: 56.99 ng m
RT: 17.13 min Scan# 1395
Delta R.T. -0.25 min
Lab File: BF079535.D
Acq: 27 May 2015 23:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.6	26.4
125	12.2	7.8	11.6#





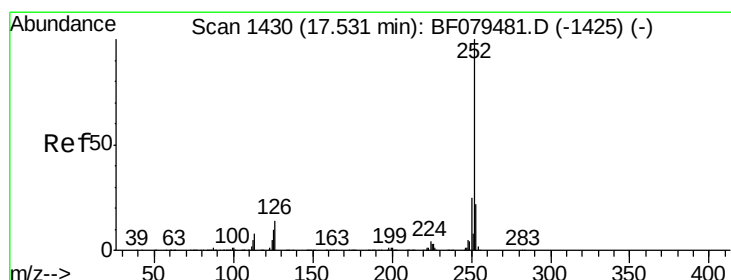
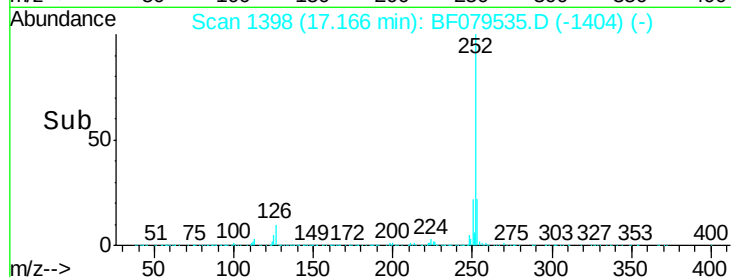
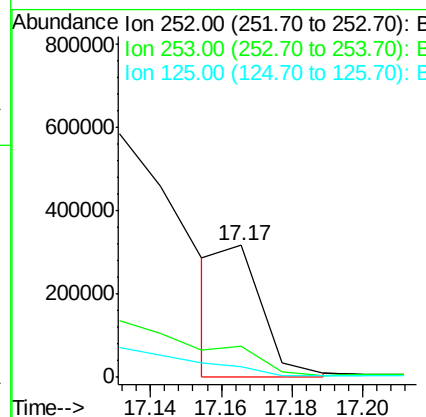
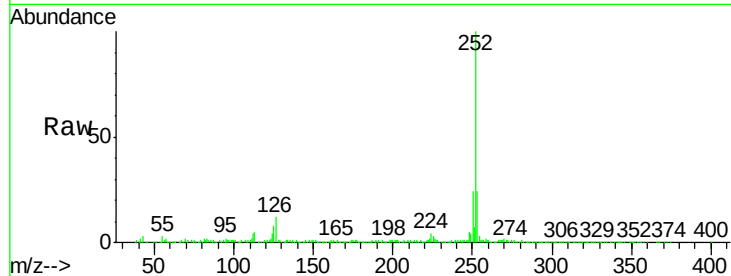
#88
 Benzo(k)fluoranthene
 Concen: 14.61 ng m
 RT: 17.17 min Scan# 1398
 Delta R.T. -0.25 min
 Lab File: BF079535.D
 Acq: 27 May 2015 23:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-31BS

Tgt Ion:	252	Resp:	245403
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.2	25.8
125	8.2	6.8	10.2

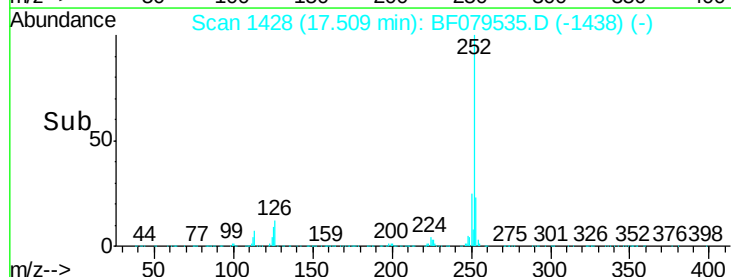
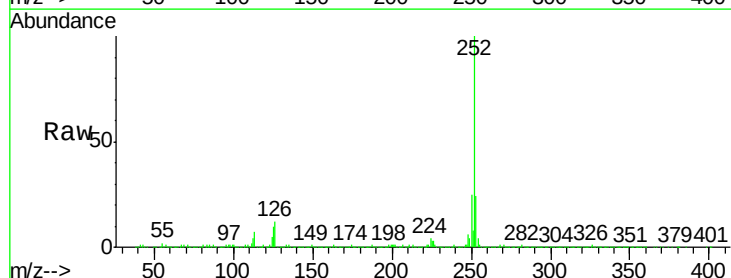
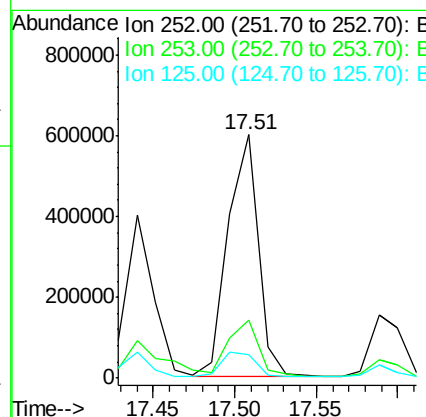
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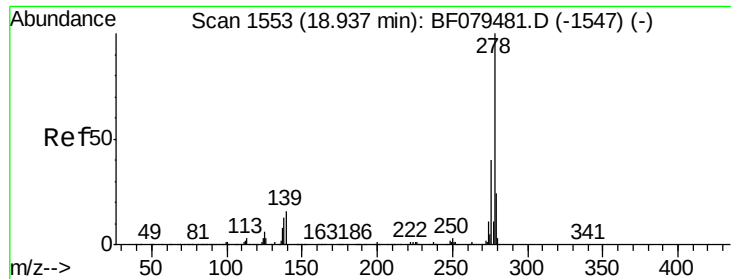
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#89
 Benzo(a)pyrene
 Concen: 46.76 ng
 RT: 17.51 min Scan# 1428
 Delta R.T. -0.30 min
 Lab File: BF079535.D
 Acq: 27 May 2015 23:21

Tgt Ion:	252	Resp:	768889
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.8	26.8
125	9.6	7.9	11.9





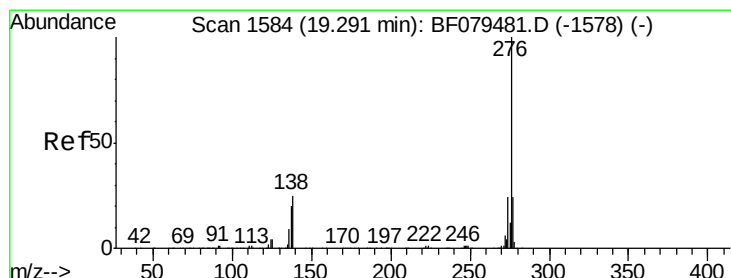
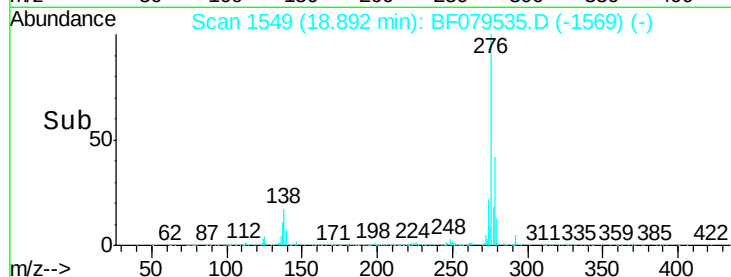
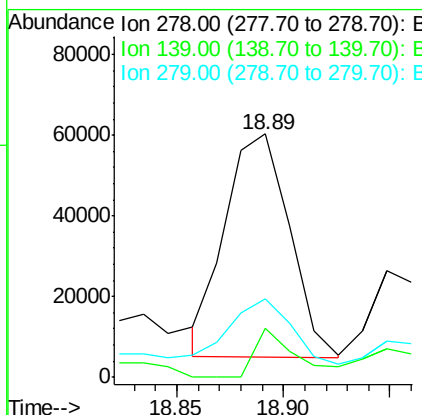
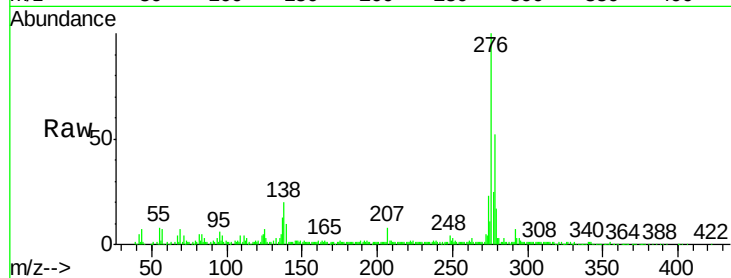
#90
Dibenzo(a,h)anthracene
Concen: 5.43 ng m
RT: 18.89 min Scan# 1549
Delta R.T. -0.43 min
Lab File: BF079535.D
Acq: 27 May 2015 23:21

Instrument :
BNA_F
ClientSampleId :
SB-31BS

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.0	12.8	19.2#
279	32.3	19.1	28.7#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 24.70 ng
RT: 19.26 min Scan# 1581
Delta R.T. -0.43 min
Lab File: BF079535.D
Acq: 27 May 2015 23:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.1	28.7
138	26.4	20.1	30.1

