

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
 Data File : BF079636.D
 Acq On : 31 May 2015 16:43
 Operator : TP/IZ
 Sample : G2408-14 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-20S

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Quant Time: Jun 01 04:35:44 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 01 04:06:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	59504	20.00	ng	0.00
21) Naphthalene-d8	8.48	136	244210	20.00	ng	0.00
38) Acenaphthene-d10	10.65	164	121303	20.00	ng	0.00
63) Phenanthrene-d10	12.48	188	235254	20.00	ng	0.00
75) Chrysene-d12	15.75	240	244303	20.00	ng	0.00
86) Perylene-d12	17.45	264	271317	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	178585	52.06	ng	0.00
7) Phenol-d6	6.50	99	241830	55.30	ng	0.00
23) Nitrobenzene-d5	7.61	82	131320	31.08	ng	0.00
41) 2,4,6-Tribromophenol	11.62	330	75760	56.86	ng	-0.01
44) 2-Fluorobiphenyl	9.83	172	307628	36.18	ng	0.00
78) Terphenyl-d14	14.47	244	352529	33.86	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	10.47	152	122188	9.84	ng	99
49) Dimethylphthalate	10.34	163	36601	4.10	ng	99
51) Acenaphthene	10.69	154	14627	2.06	ng	98
57) Fluorene	11.33	166	23368	2.71	ng	95
70) Phenanthrene	12.50	178	200198	15.51	ng	99
71) Anthracene	12.57	178	94629	7.22	ng	98
74) Fluoranthene	13.98	202	282273	20.39	ng	98
77) Pyrene	14.25	202	319839	21.13	ng	97
80) Benzo(a)anthracene	15.74	228	175479m	12.49	ng	
82) Chrysene	15.78	228	129588	9.70	ng	97
83) Bis(2-ethylhexyl)phthalate	15.82	149	20268	2.08	ng	# 96
85) Indeno(1,2,3-cd)pyrene	18.72	276	133589	7.77	ng	96
87) Benzo(b)fluoranthene	17.02	252	232349m	15.02	ng	
88) Benzo(k)fluoranthene	17.05	252	55626m	4.02	ng	
89) Benzo(a)pyrene	17.39	252	194716	12.98	ng	98
91) Benzo(g,h,i)perylene	19.09	276	154019	8.97	ng	97

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

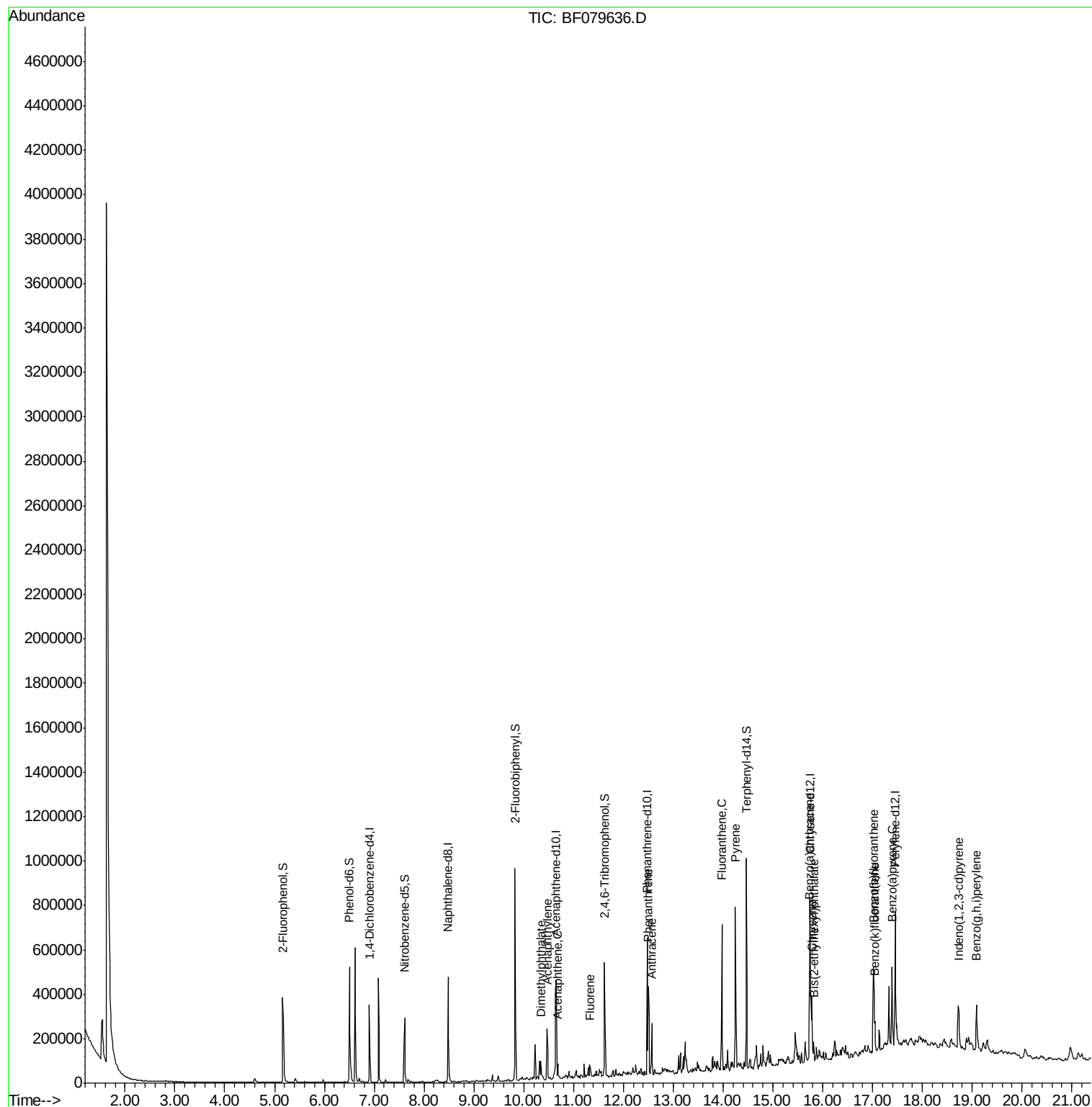
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
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ALS Vial : 8 Sample Multiplier: 1

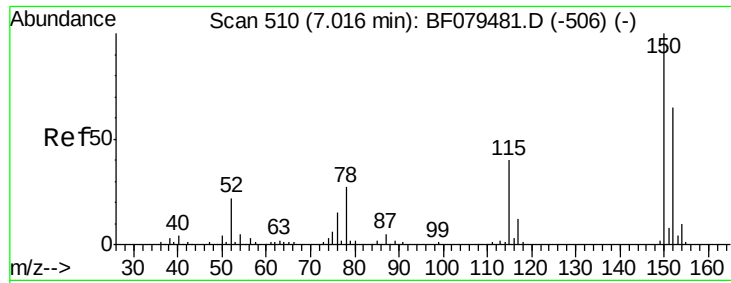
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
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#1

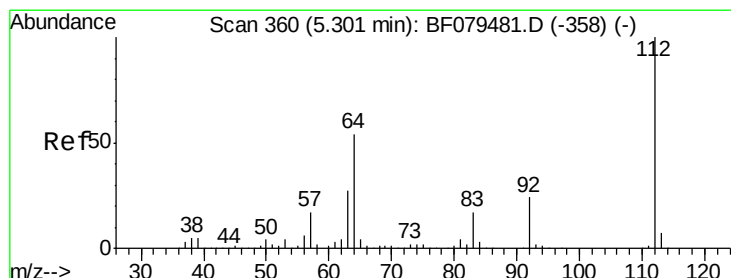
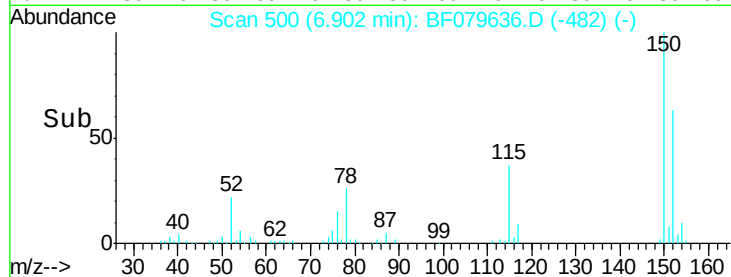
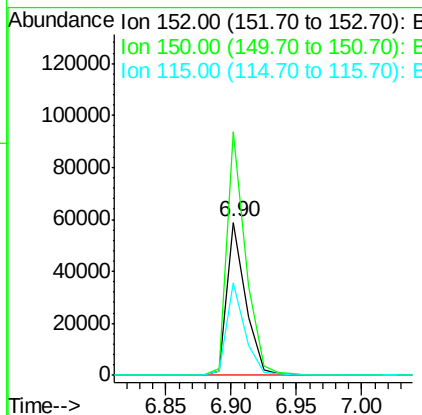
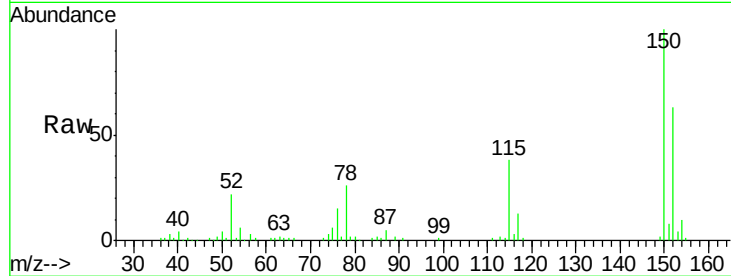
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 500
Delta R.T. 0.00 min
Lab File: BF079636.D
Acq: 31 May 2015 16:43

Instrument :
BNA_F
ClientSampleId :
SB-20S

Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.0	186.0
115	60.6	49.6	74.4

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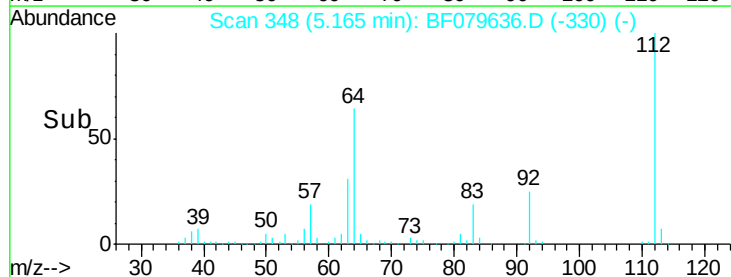
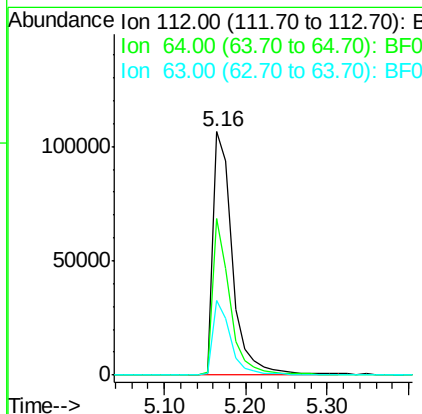
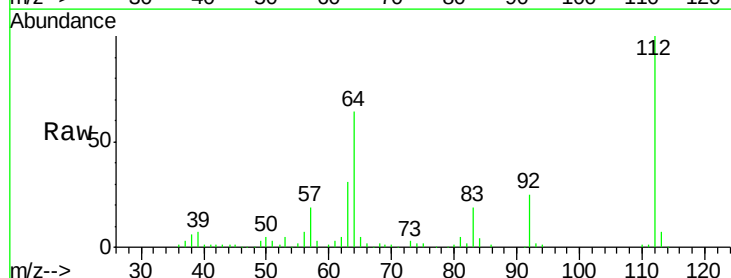
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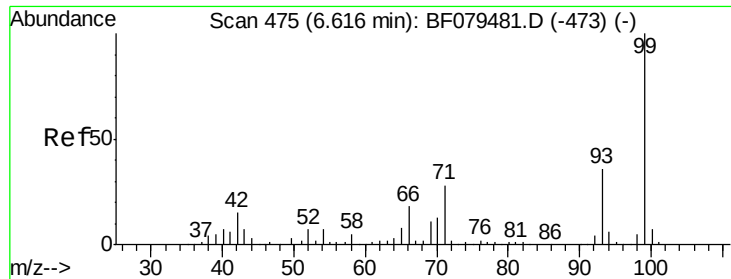


#5

2-Fluorophenol
Concen: 52.06 ng
RT: 5.16 min Scan# 348
Delta R.T. 0.00 min
Lab File: BF079636.D
Acq: 31 May 2015 16:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.3	43.5	65.3
63	30.7	21.8	32.8





#7

Phenol-d6

Concen: 55.30 ng

RT: 6.50 min Scan# 465

Delta R.T. 0.00 min

Lab File: BF079636.D

Acq: 31 May 2015 16:43

Instrument :

BNA_F

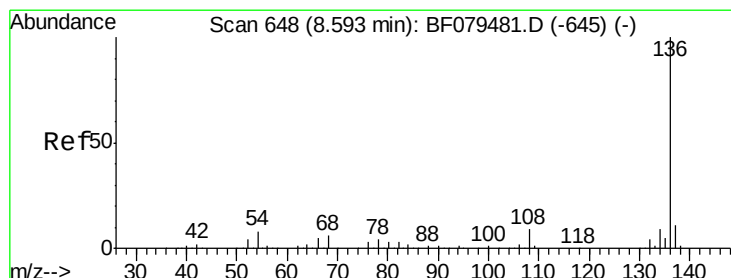
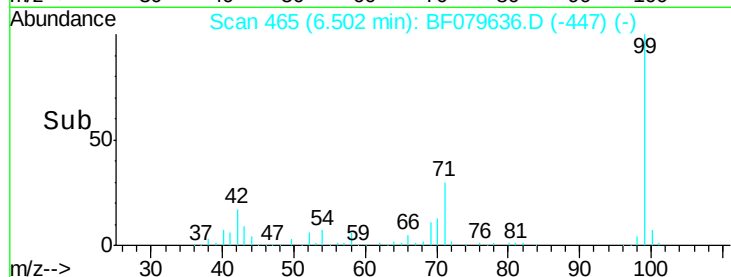
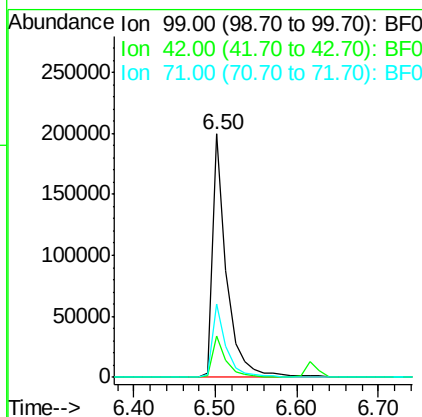
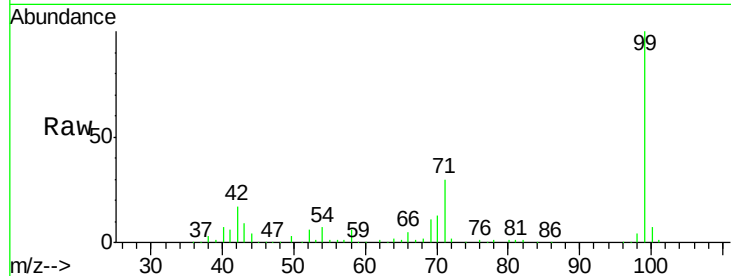
ClientSampled :

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Tgt Ion:	99	Resp:	241830
Ion Ratio	Lower	Upper	
99	100		
42	16.9	11.9	17.9
71	30.4	22.1	33.1

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#21

Naphthalene-d8

Concen: 20.00 ng

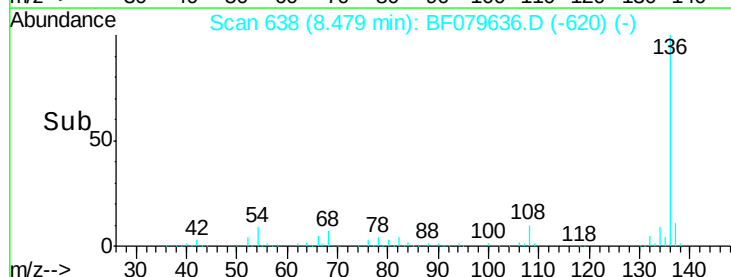
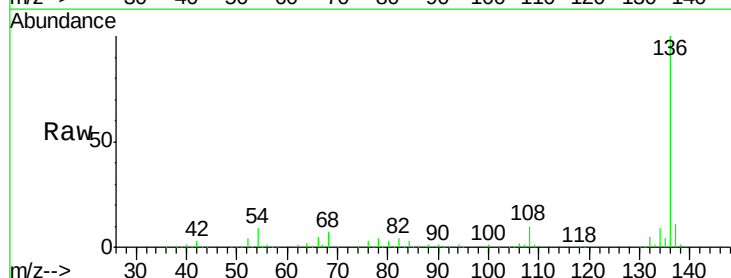
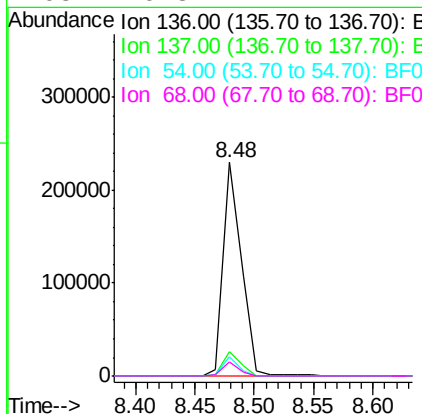
RT: 8.48 min Scan# 638

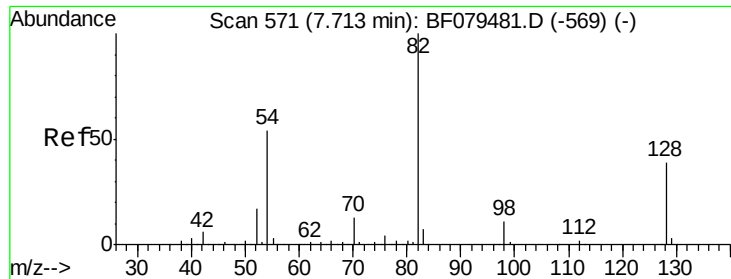
Delta R.T. 0.00 min

Lab File: BF079636.D

Acq: 31 May 2015 16:43

Tgt Ion:	136	Resp:	244210
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.5	12.7
54	9.0	6.6	9.8
68	6.8	4.7	7.1





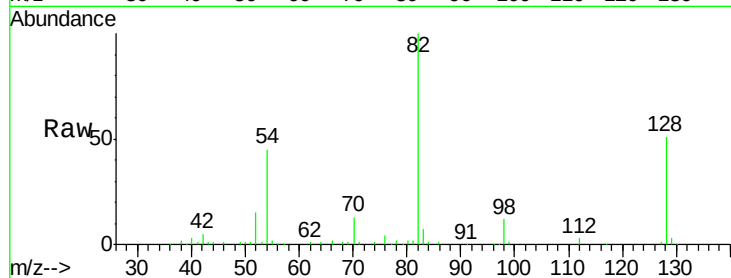
#23
 Nitrobenzene-d5
 Concen: 31.08 ng
 RT: 7.61 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: BF079636.D
 Acq: 31 May 2015 16:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-20S

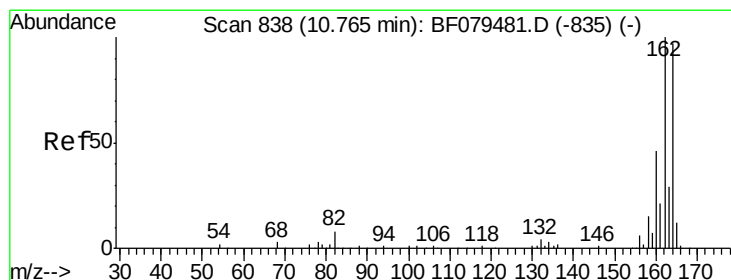
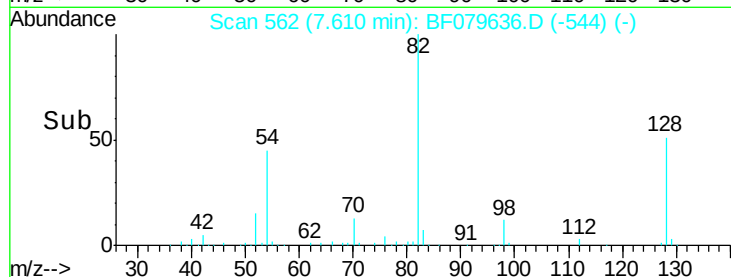
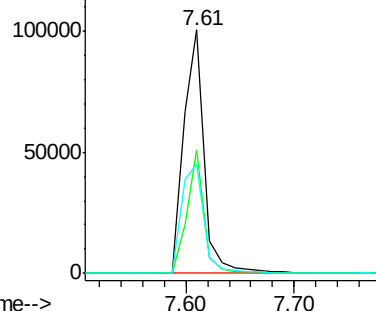
Tgt Ion	Ratio	Lower	Upper
82	100		
128	50.9	30.8	46.2
54	45.1	42.8	64.2

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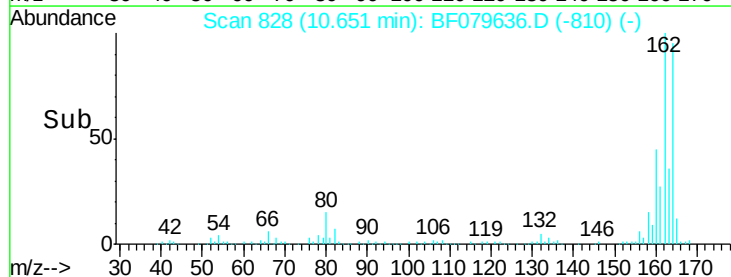
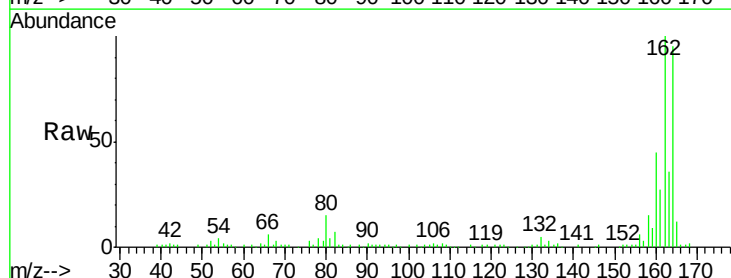
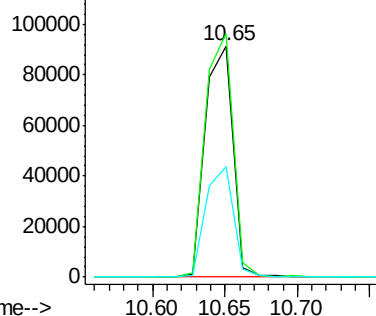
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

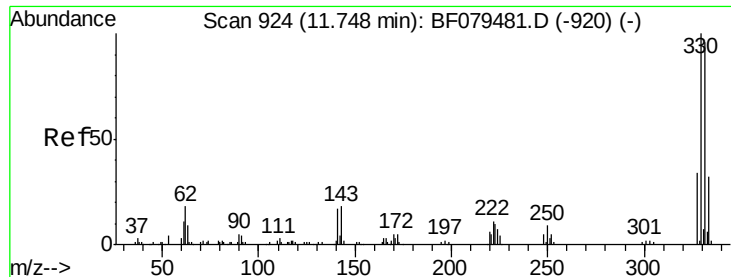


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.65 min Scan# 828
 Delta R.T. 0.00 min
 Lab File: BF079636.D
 Acq: 31 May 2015 16:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.4	82.6	124.0
160	47.8	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





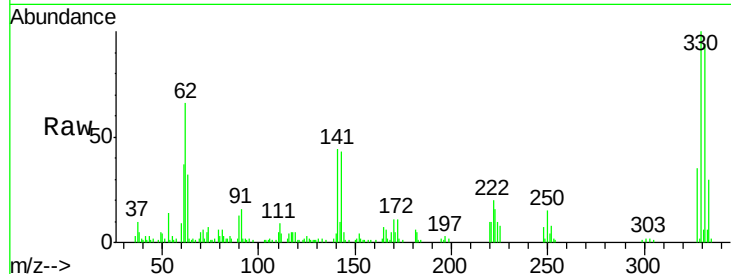
#41
 2,4,6-Tribromophenol
 Concen: 56.86 ng
 RT: 11.62 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: BF079636.D
 Acq: 31 May 2015 16:43

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 SB-20S

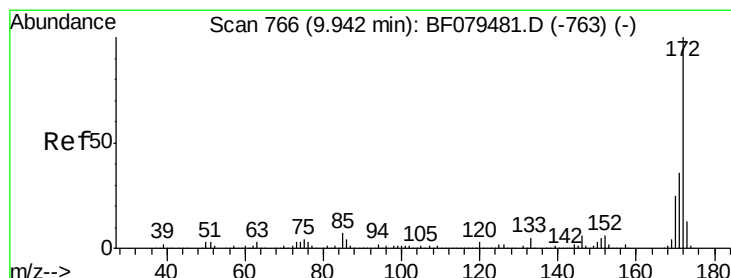
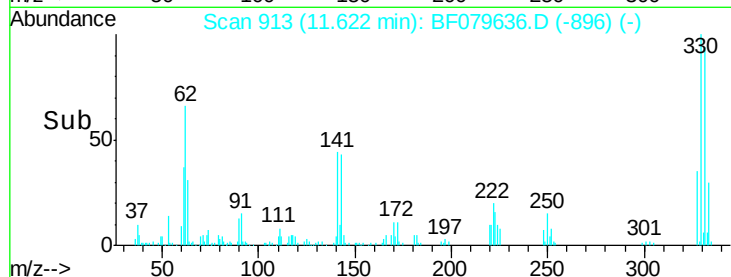
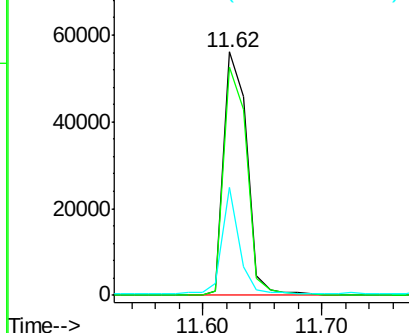
Tgt Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	93.4	0.0	0.0#
141	33.9	0.0	0.0#

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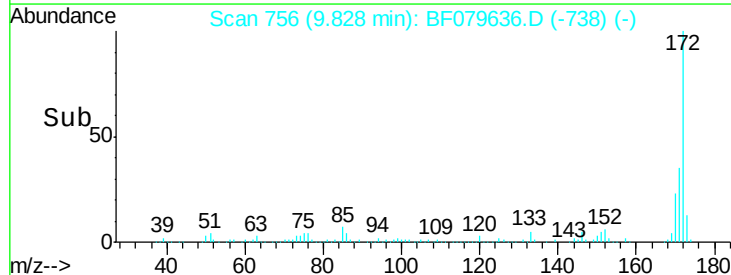
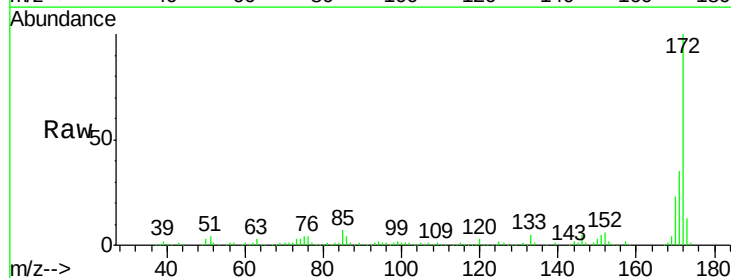
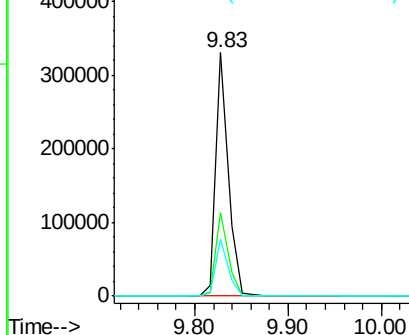
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

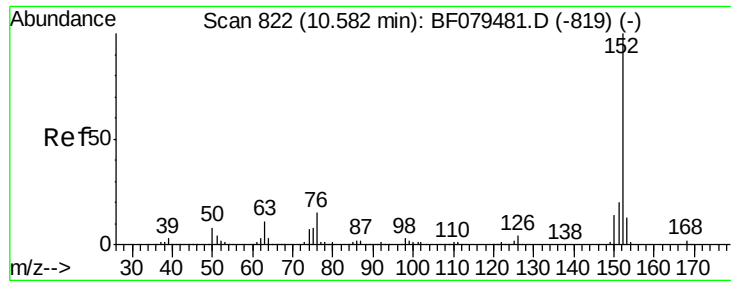


#44
 2-Fluorobiphenyl
 Concen: 36.18 ng
 RT: 9.83 min Scan# 756
 Delta R.T. 0.00 min
 Lab File: BF079636.D
 Acq: 31 May 2015 16:43

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	34.5	28.5	42.7
170	23.5	19.7	29.5

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 9.84 ng

RT: 10.47 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF079636.D

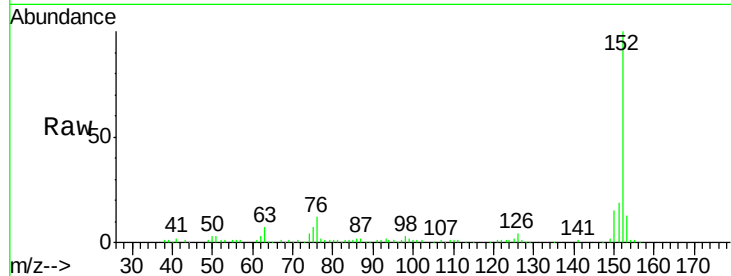
Acq: 31 May 2015 16:43

Instrument :

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ClientSampleId :

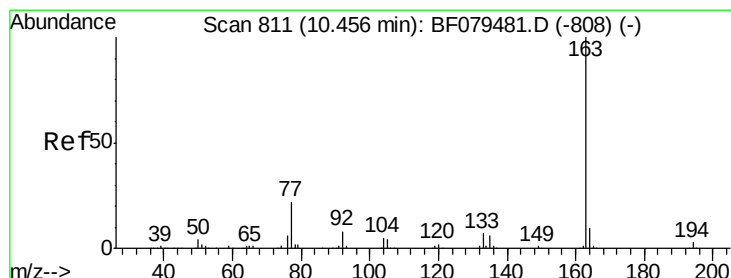
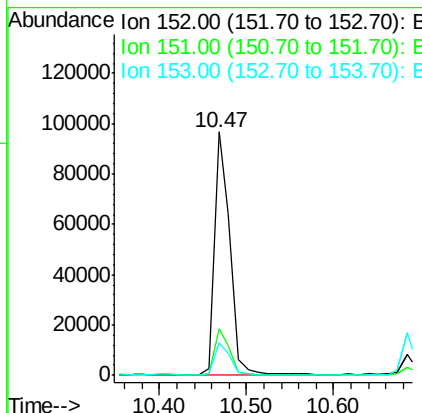
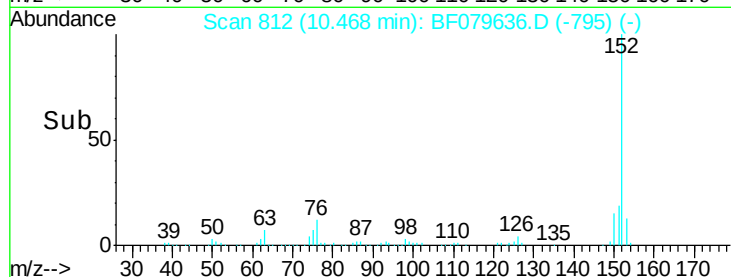
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Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.8	23.8
153	13.4	10.7	16.1

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#49

Dimethylphthalate

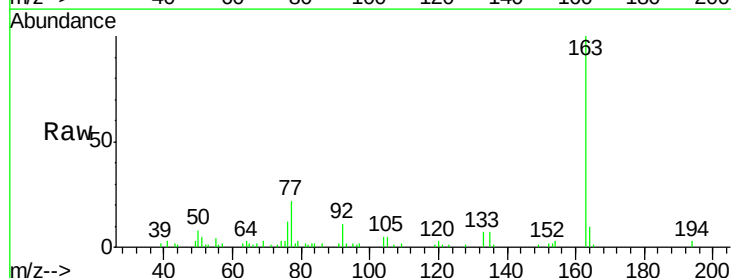
Concen: 4.10 ng

RT: 10.34 min Scan# 801

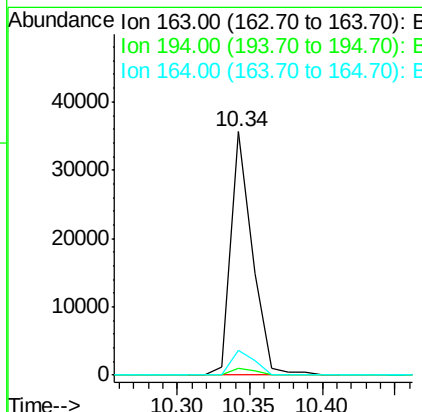
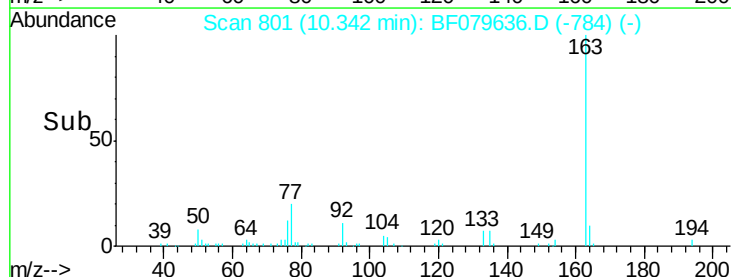
Delta R.T. -0.01 min

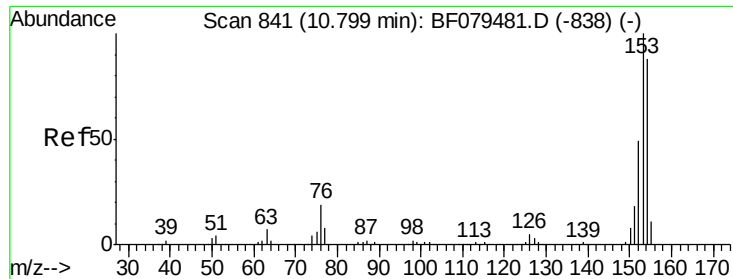
Lab File: BF079636.D

Acq: 31 May 2015 16:43



Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.4	3.6
164	10.0	8.2	12.4





#51

Acenaphthene

Concen: 2.06 ng

RT: 10.69 min Scan# 831

Delta R.T. 0.00 min

Lab File: BF079636.D

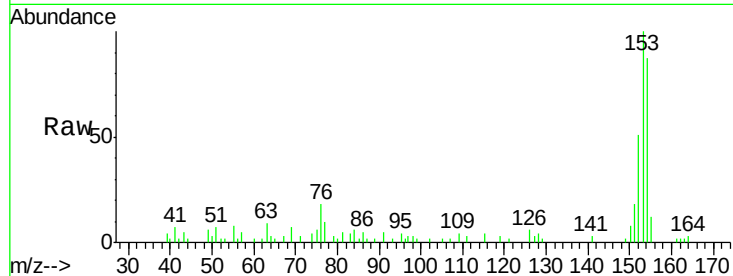
Acq: 31 May 2015 16:43

Instrument :

BNA_F

ClientSampleId :

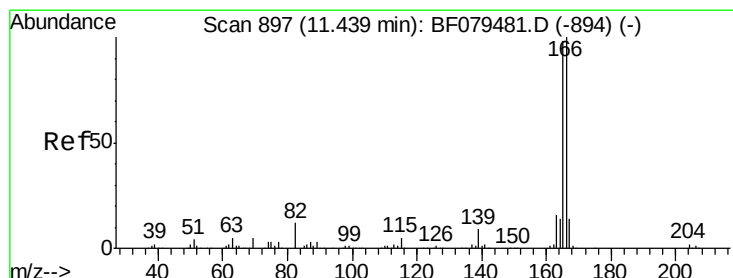
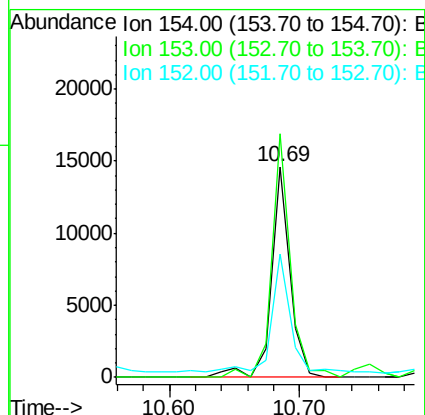
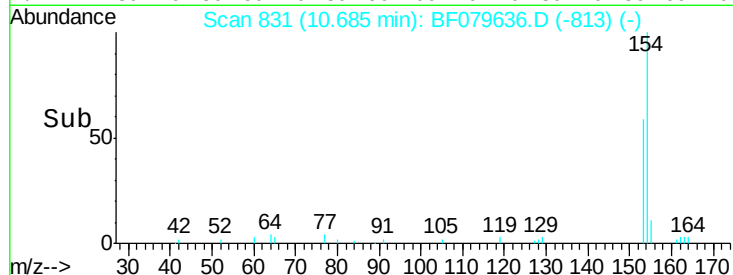
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Tgt Ion:	154	Resp:	14627
Ion Ratio	Lower	Upper	
154	100		
153	115.5	91.1	136.7
152	58.5	44.6	66.8

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#57

Fluorene

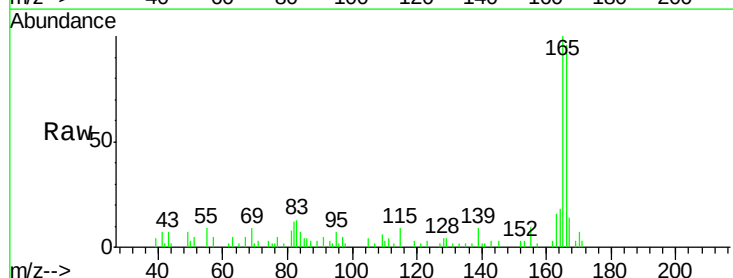
Concen: 2.71 ng

RT: 11.33 min Scan# 887

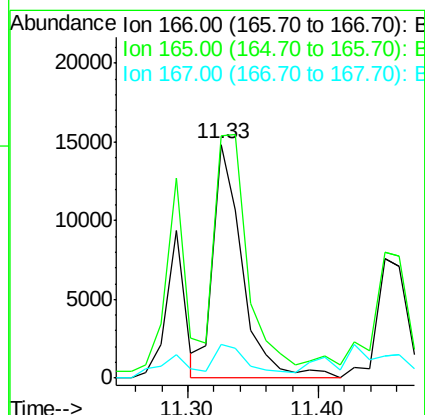
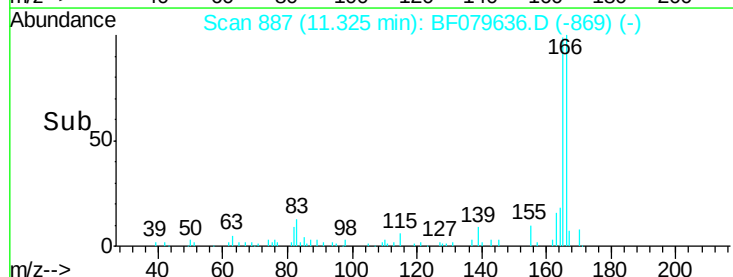
Delta R.T. 0.00 min

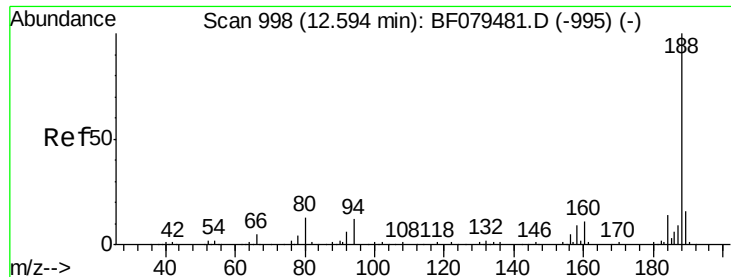
Lab File: BF079636.D

Acq: 31 May 2015 16:43



Tgt Ion:	166	Resp:	23368
Ion Ratio	Lower	Upper	
166	100		
165	103.9	78.6	117.8
167	14.5	10.8	16.2





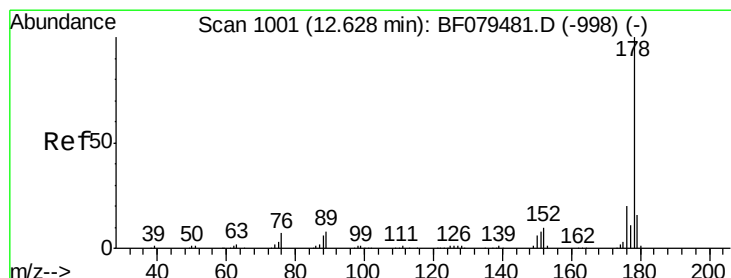
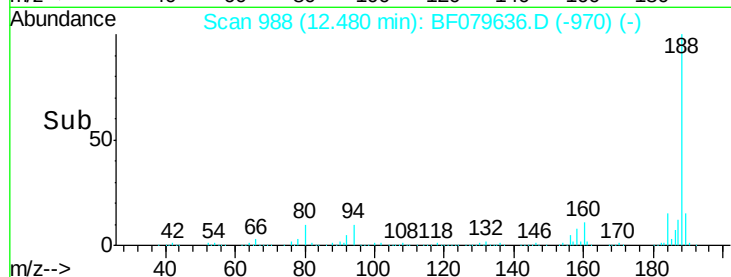
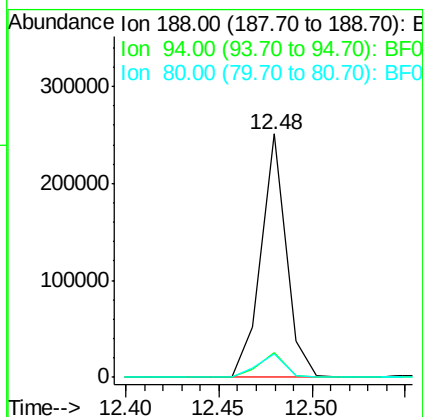
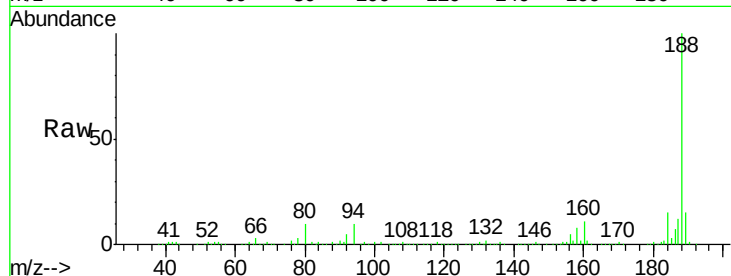
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.48 min Scan# 988
Delta R.T. 0.00 min
Lab File: BF079636.D
Acq: 31 May 2015 16:43

Instrument :
BNA_F
ClientSampleId :
SB-20S

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.0	9.8	14.6
80	9.7	10.5	15.7#

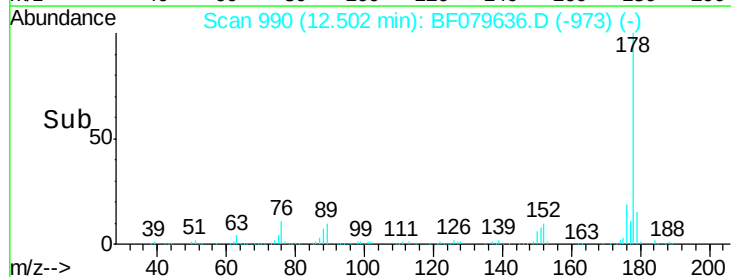
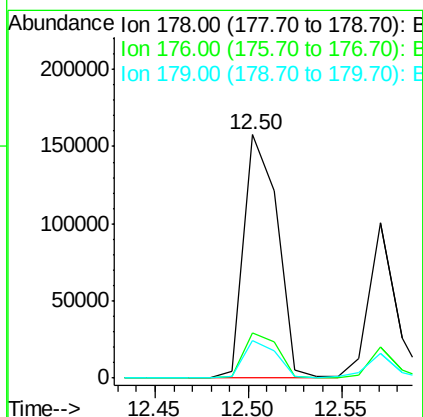
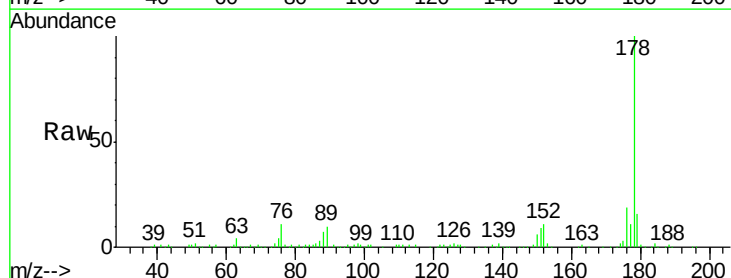
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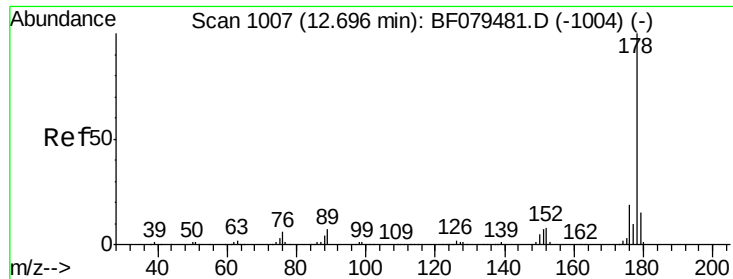
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#70
Phenanthrene
Concen: 15.51 ng
RT: 12.50 min Scan# 990
Delta R.T. -0.01 min
Lab File: BF079636.D
Acq: 31 May 2015 16:43

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.7	15.7	23.5
179	15.6	12.4	18.6





#71

Anthracene

Concen: 7.22 ng

RT: 12.57 min Scan# 996

Delta R.T. 0.00 min

Lab File: BF079636.D

Acq: 31 May 2015 16:43

Instrument :

BNA_F

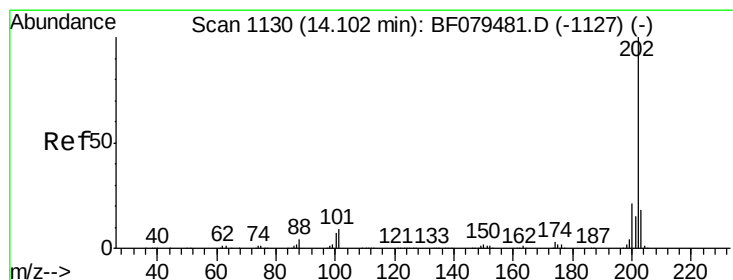
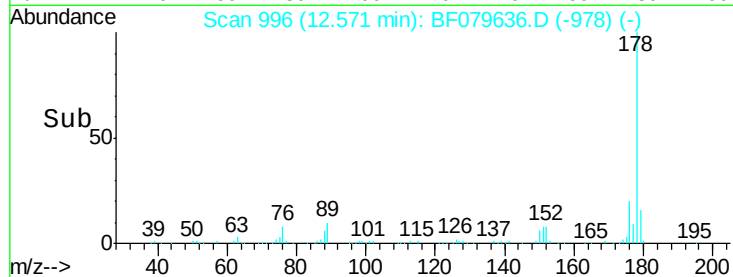
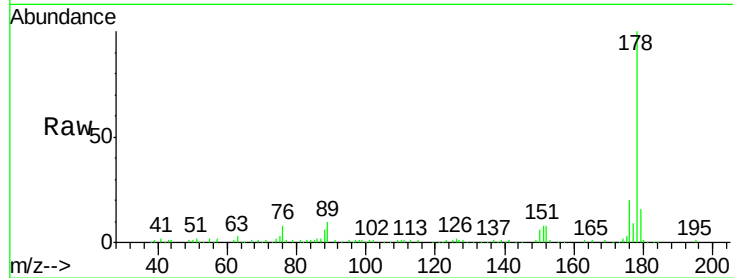
ClientSampleId :

SB-20S

Tgt Ion:	178	Resp:	94629
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.3	22.9
179	16.1	12.2	18.4

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#74

Fluoranthene

Concen: 20.39 ng

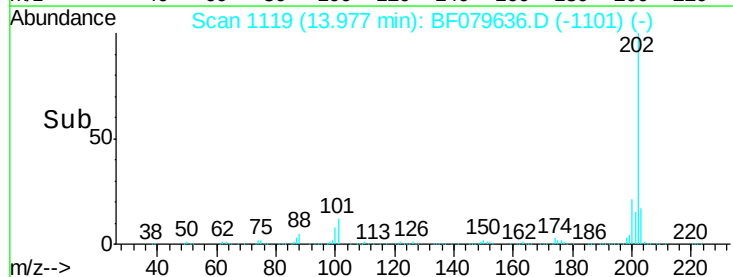
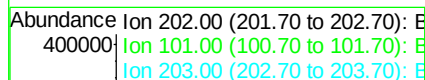
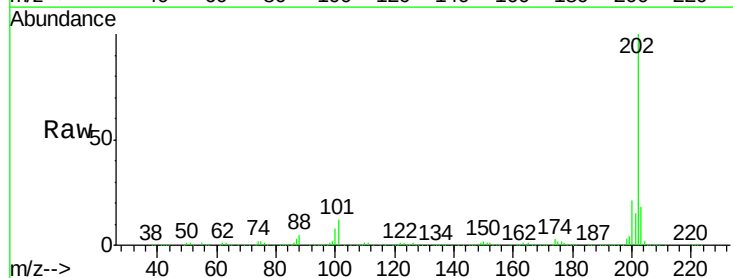
RT: 13.98 min Scan# 1119

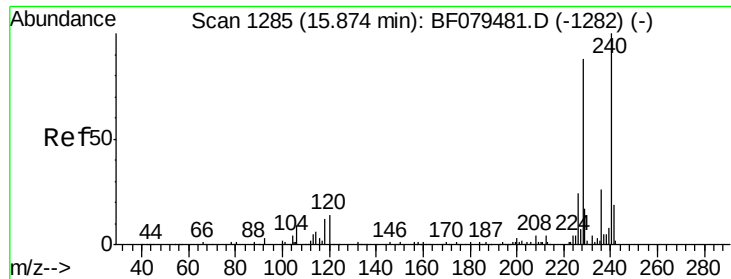
Delta R.T. 0.00 min

Lab File: BF079636.D

Acq: 31 May 2015 16:43

Tgt Ion:	202	Resp:	282273
Ion Ratio	Lower	Upper	
202	100		
101	11.8	0.0	29.3
203	17.5	0.0	37.6





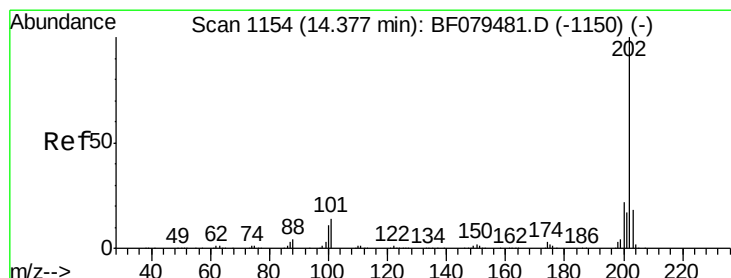
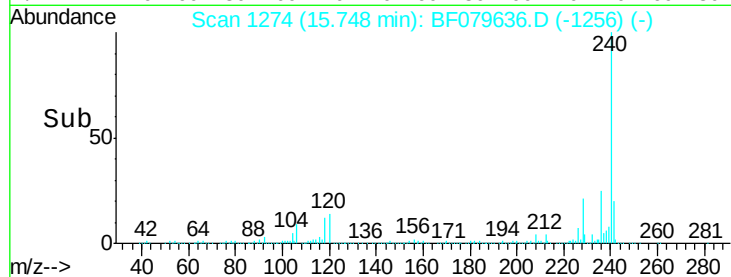
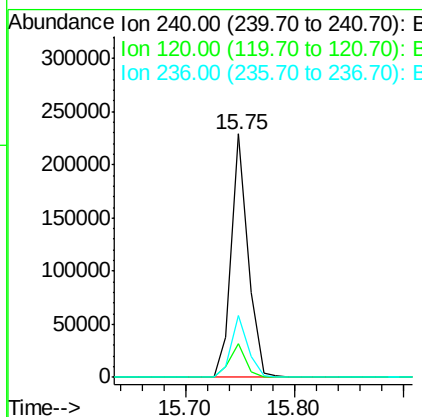
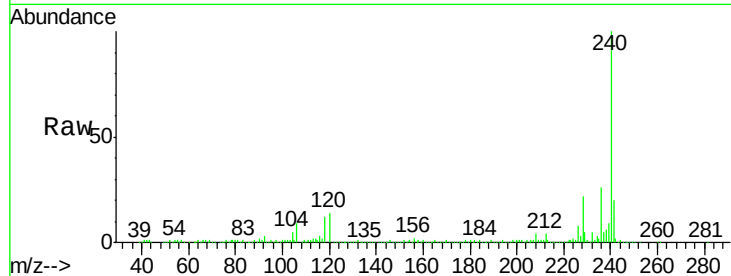
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 15.75 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: BF079636.D
 Acq: 31 May 2015 16:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-20S

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	244303		
120	13.9	10.8	16.2	
236	25.6	21.0	31.6	

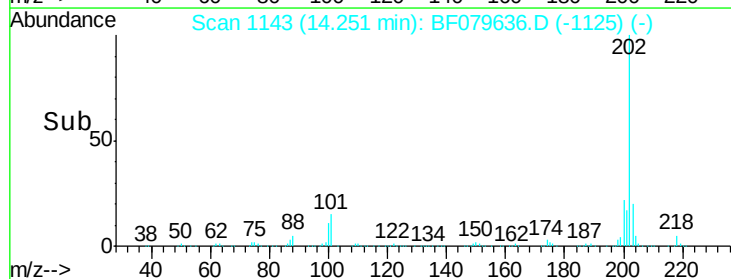
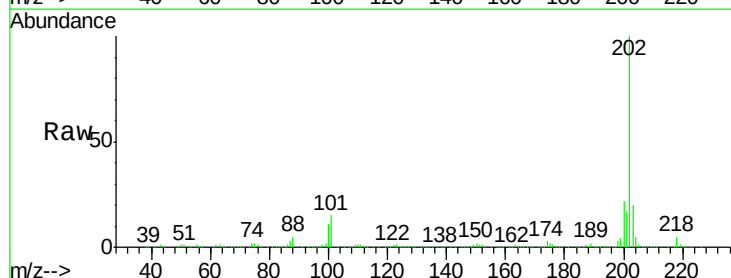
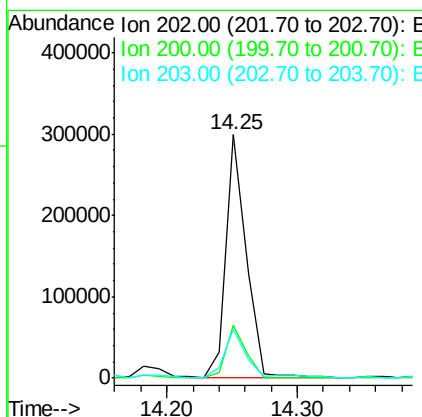
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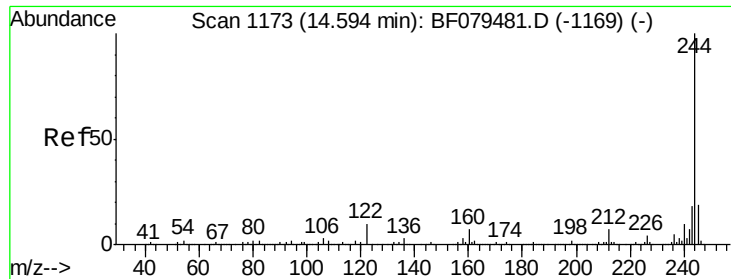
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#77
 Pyrene
 Concen: 21.13 ng
 RT: 14.25 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: BF079636.D
 Acq: 31 May 2015 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	319839		
200	21.6	17.5	26.3	
203	20.2	14.4	21.6	





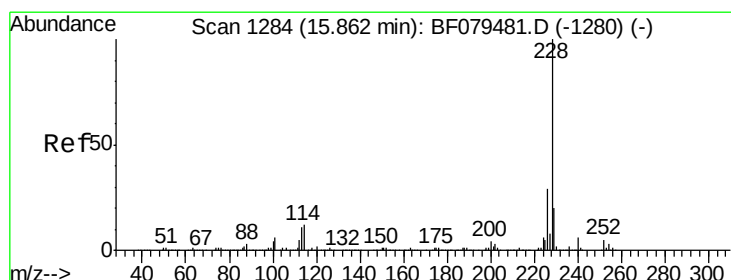
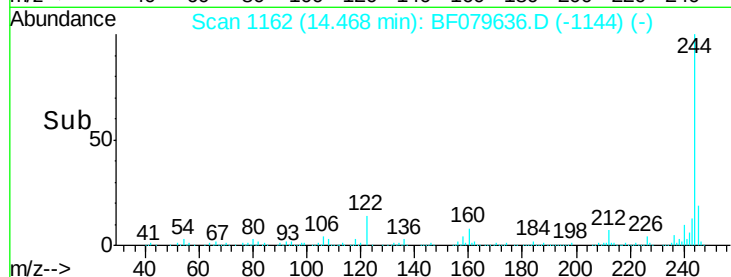
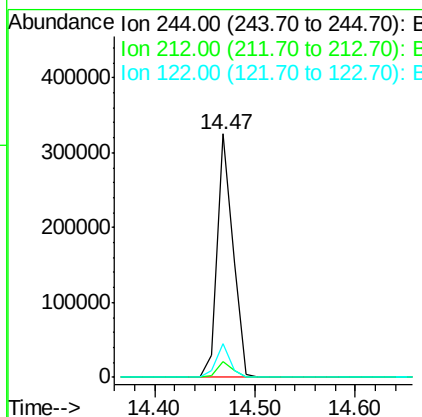
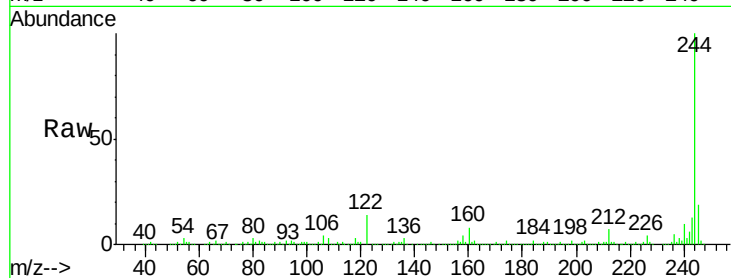
#78
 Terphenyl-d14
 Concen: 33.86 ng
 RT: 14.47 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: BF079636.D
 Acq: 31 May 2015 16:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-20S

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.6	5.2	7.8
122	13.8	8.0	12.0

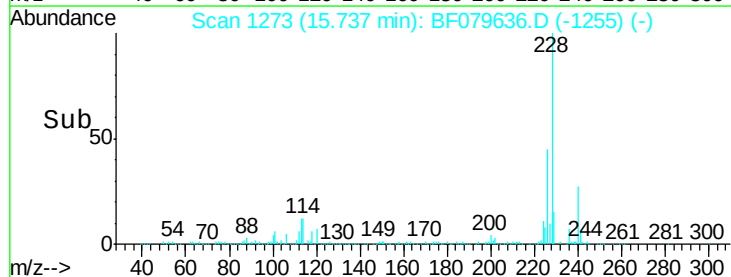
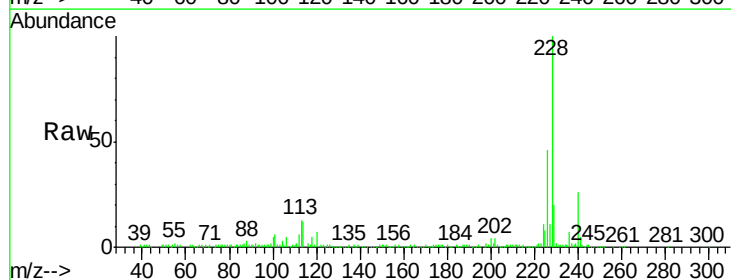
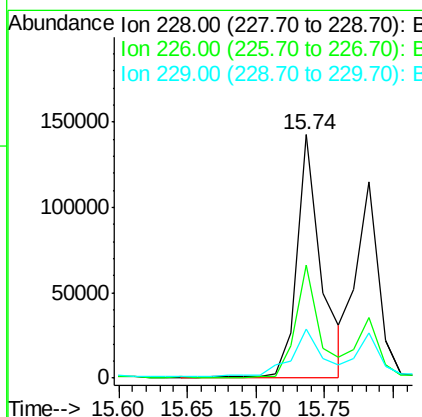
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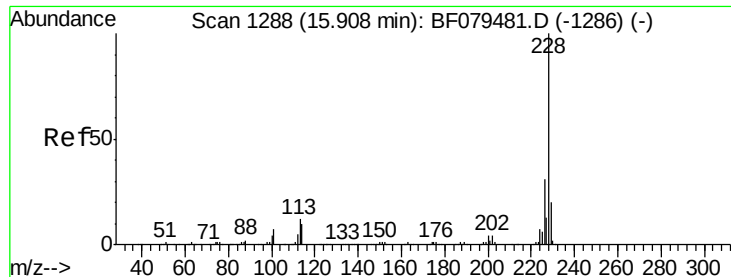
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#80
 Benzo(a)anthracene
 Concen: 12.49 ng m
 RT: 15.74 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: BF079636.D
 Acq: 31 May 2015 16:43

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	46.5	22.8	34.2
229	20.2	15.9	23.9





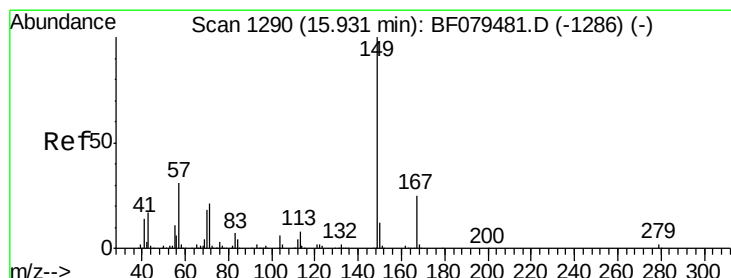
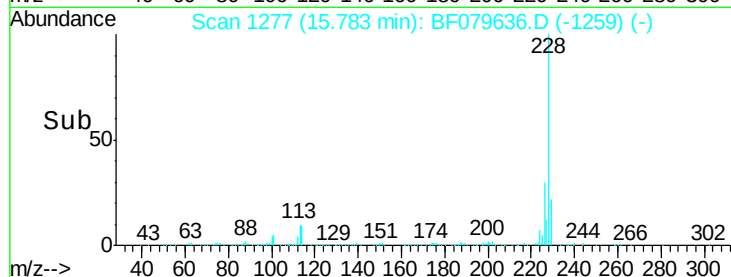
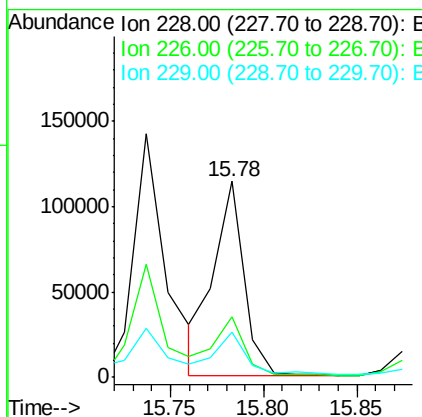
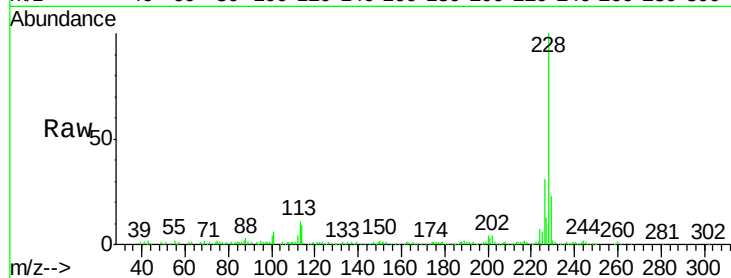
#82
Chrysene
Concen: 9.70 ng
RT: 15.78 min Scan# 1277
Delta R.T. 0.00 min
Lab File: BF079636.D
Acq: 31 May 2015 16:43

Instrument :
BNA_F
ClientSampleId :
SB-20S

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	129588		
226	31.1	25.0	37.4	
229	22.9	15.9	23.9	

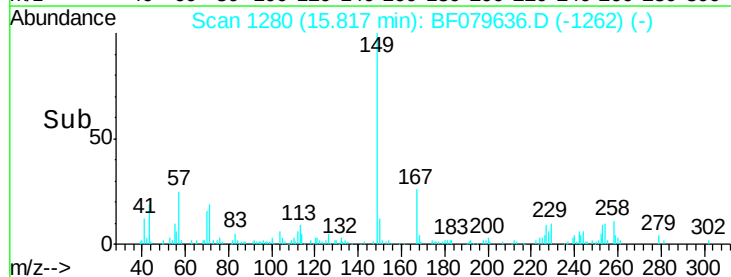
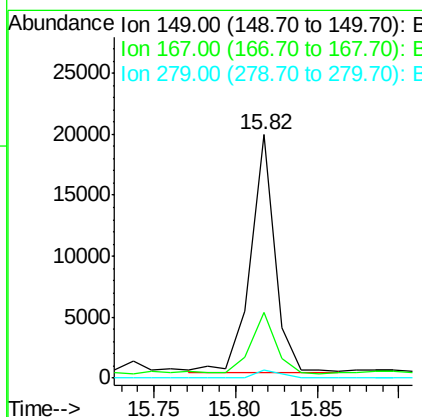
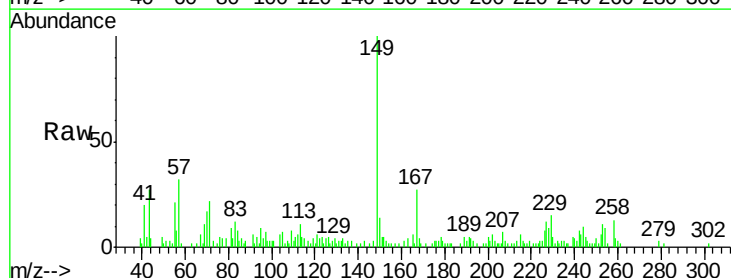
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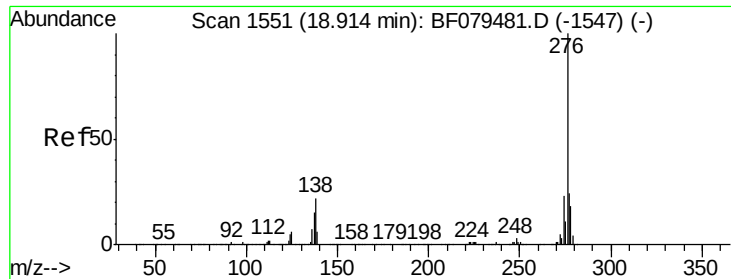
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#83
Bis(2-ethylhexyl)phthalate
Concen: 2.08 ng
RT: 15.82 min Scan# 1280
Delta R.T. 0.00 min
Lab File: BF079636.D
Acq: 31 May 2015 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	20268		
167	27.2	20.2	30.4	
279	3.5	2.0	3.0#	





#85

Indeno(1,2,3-cd)pyrene

Concen: 7.77 ng

RT: 18.72 min Scan# 1534

Delta R.T. 0.01 min

Lab File: BF079636.D

Acq: 31 May 2015 16:43

Instrument :

BNA_F

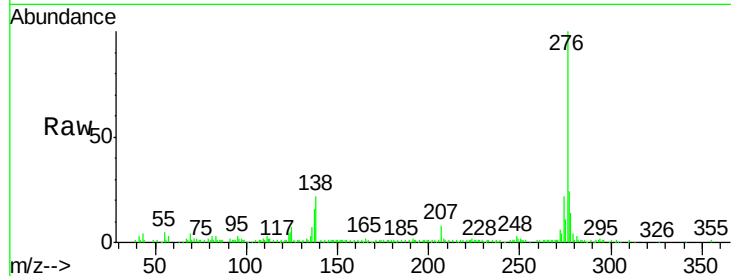
ClientSampleId :

SB-20S

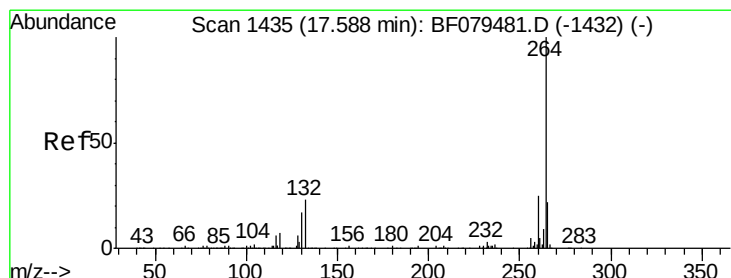
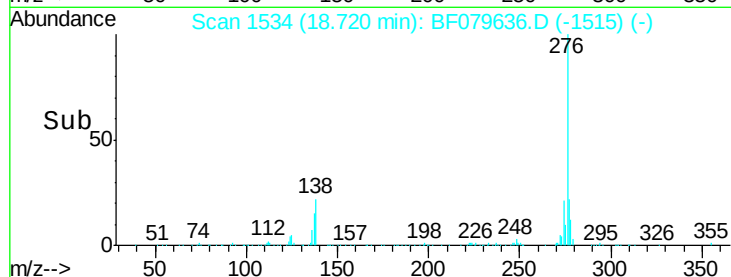
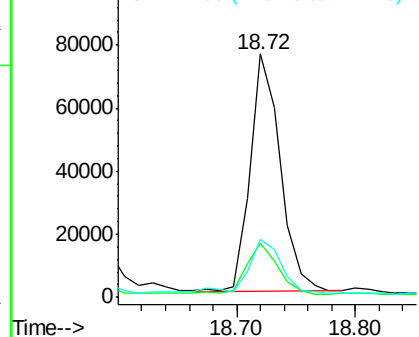
Tgt Ion:	276	Resp:	133589
Ion Ratio		Lower	Upper
276	100		
138	24.9	21.4	32.2
277	26.7	19.8	29.6

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



#86

Perylene-d12

Concen: 20.00 ng

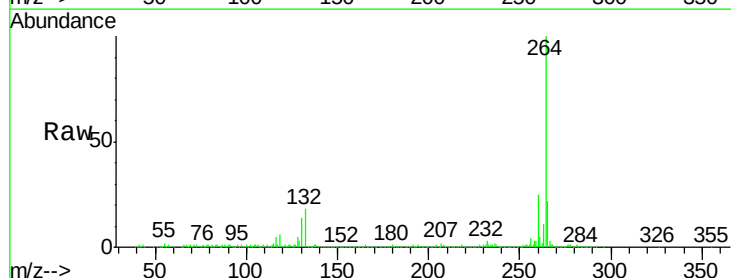
RT: 17.45 min Scan# 1423

Delta R.T. 0.01 min

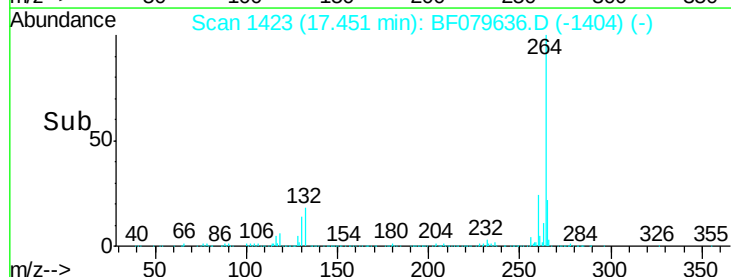
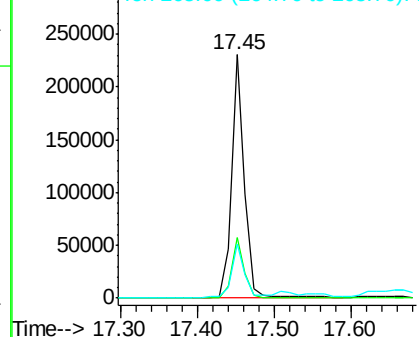
Lab File: BF079636.D

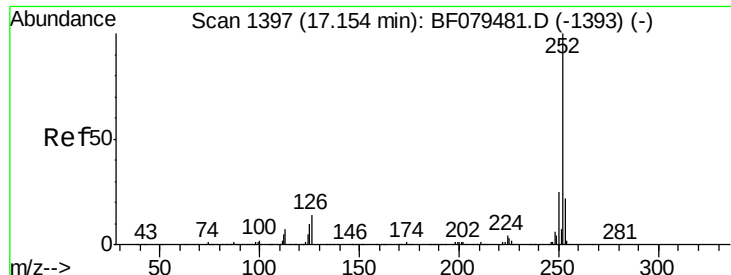
Acq: 31 May 2015 16:43

Tgt Ion:	264	Resp:	271317
Ion Ratio		Lower	Upper
264	100		
260	24.7	19.8	29.8
265	22.0	17.8	26.6



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





#87

Benzo(b)fluoranthene

Concen: 15.02 ng m

RT: 17.02 min Scan# 1385

Delta R.T. 0.00 min

Lab File: BF079636.D

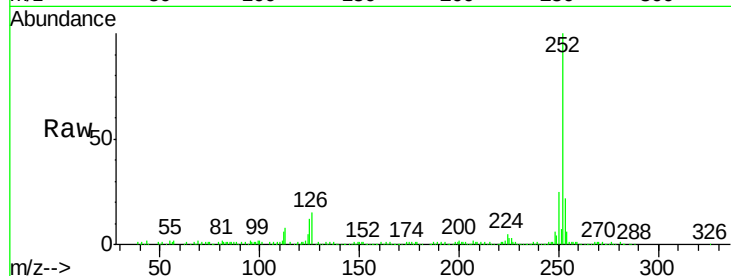
Acq: 31 May 2015 16:43

Instrument :

BNA_F

ClientSampleId :

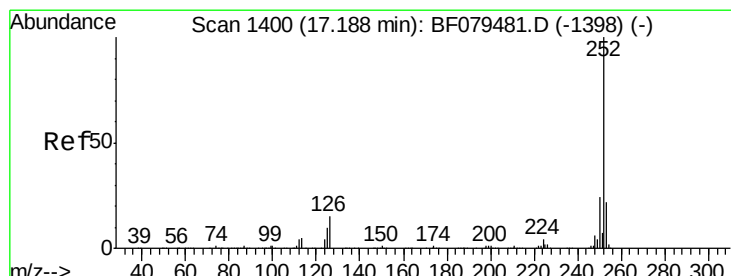
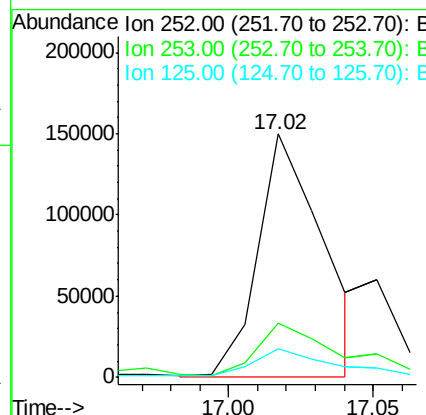
SB-20S



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	11.6	7.8	11.6

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#88

Benzo(k)fluoranthene

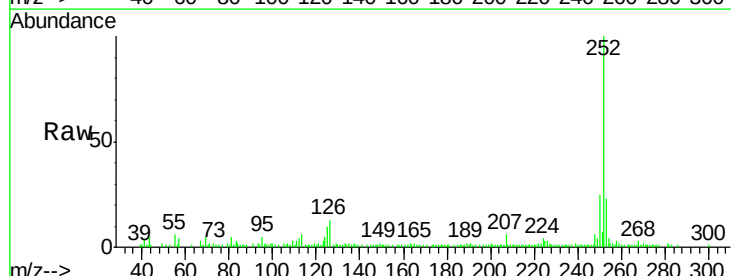
Concen: 4.02 ng m

RT: 17.05 min Scan# 1388

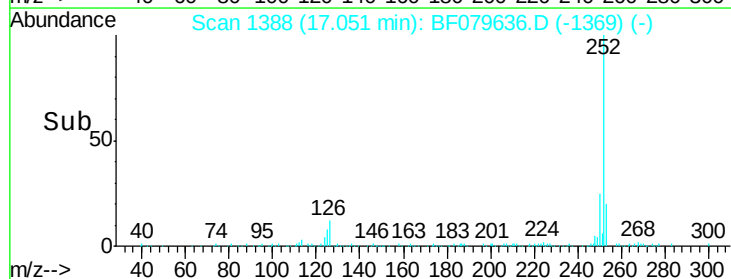
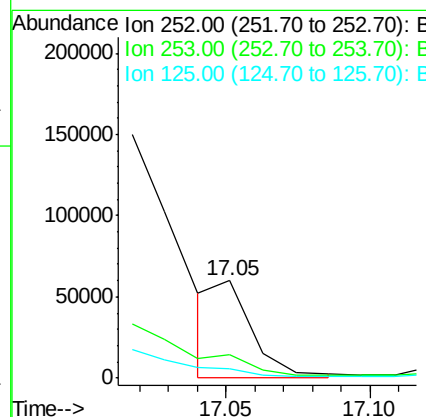
Delta R.T. 0.01 min

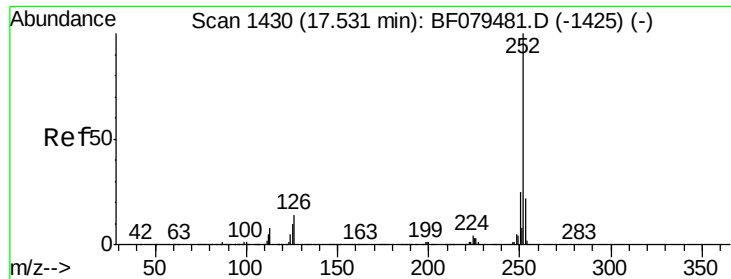
Lab File: BF079636.D

Acq: 31 May 2015 16:43



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.2	25.8
125	9.9	6.8	10.2





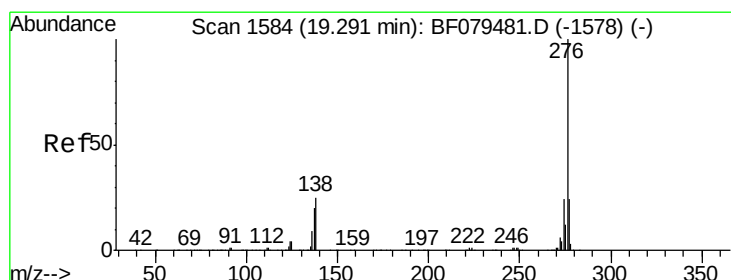
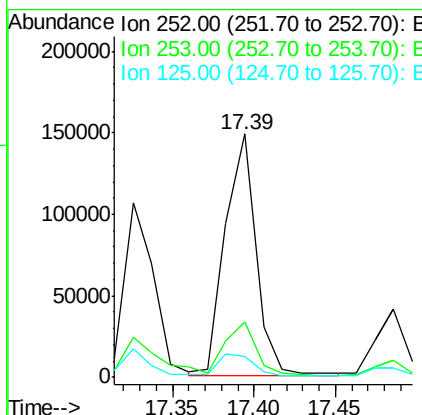
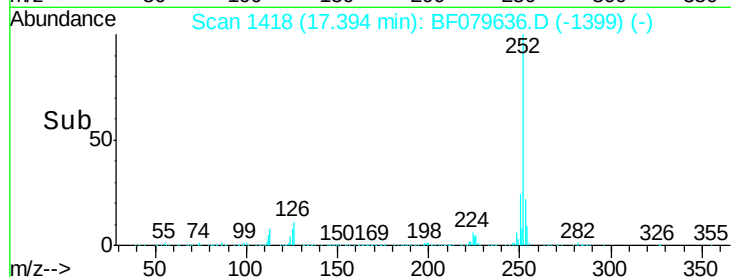
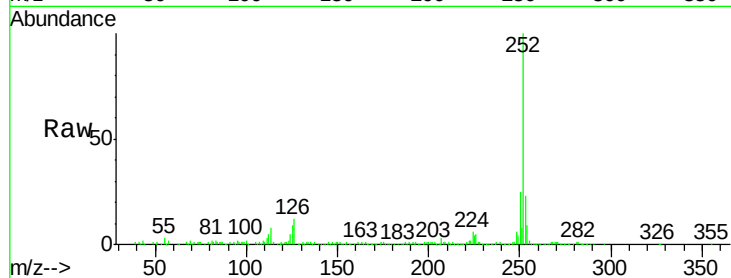
#89
Benzo(a)pyrene
Concen: 12.98 ng
RT: 17.39 min Scan# 1418
Delta R.T. 0.01 min
Lab File: BF079636.D
Acq: 31 May 2015 16:43

Instrument :
BNA_F
ClientSampleId :
SB-20S

Tgt Ion:	252	Resp:	194716
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.8	26.8
125	8.6	7.9	11.9

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#91
Benzo(g,h,i)perylene
Concen: 8.97 ng
RT: 19.09 min Scan# 1566
Delta R.T. 0.01 min
Lab File: BF079636.D
Acq: 31 May 2015 16:43

Tgt Ion:	276	Resp:	154019
Ion Ratio	Lower	Upper	
276	100		
277	23.3	19.1	28.7
138	22.8	20.1	30.1

