

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
 Data File : BF079637.D
 Acq On : 31 May 2015 17:12
 Operator : TP/IZ
 Sample : G2408-16 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-19S

Manual Integrations
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Quant Time: Jun 01 04:24:51 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	58750	20.00	ng	0.00
21) Naphthalene-d8	8.48	136	246608	20.00	ng	0.00
38) Acenaphthene-d10	10.65	164	118446	20.00	ng	0.00
63) Phenanthrene-d10	12.48	188	225425	20.00	ng	0.00
75) Chrysene-d12	15.75	240	238575	20.00	ng	0.00
86) Perylene-d12	17.42	264	262784	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.18	112	169509	50.04	ng	0.01
7) Phenol-d6	6.50	99	225713	52.28	ng	0.00
23) Nitrobenzene-d5	7.61	82	132860	31.14	ng	0.00
41) 2,4,6-Tribromophenol	11.62	330	67810	52.12	ng	-0.01
44) 2-Fluorobiphenyl	9.83	172	300624	36.21	ng	0.00
78) Terphenyl-d14	14.47	244	335588	33.01	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	10.34	163	47492	5.44	ng	98
51) Acenaphthene	10.68	154	19281	2.78	ng	96
57) Fluorene	11.33	166	26288	3.12	ng	96
70) Phenanthrene	12.51	178	410091	33.16	ng	99
71) Anthracene	12.57	178	104810	8.35	ng	98
72) Carbazole	12.79	167	29920	2.48	ng	98
74) Fluoranthene	13.98	202	636429	47.99	ng	96
77) Pyrene	14.25	202	642472	43.47	ng	97
80) Benzo(a)anthracene	15.74	228	353933	25.79	ng	98
82) Chrysene	15.78	228	285291	21.87	ng	98
85) Indeno(1,2,3-cd)pyrene	18.66	276	231398	13.79	ng	93
87) Benzo(b)fluoranthene	16.99	252	489939m	32.69	ng	
88) Benzo(k)fluoranthene	17.02	252	88436m	6.60	ng	
89) Benzo(a)pyrene	17.35	252	339078	24.94	ng	# 98
90) Dibenzo(a,h)anthracene	18.67	278	51821	2.33	ng	# 93
91) Benzo(g,h,i)perylene	19.03	276	249611	17.25	ng	97

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

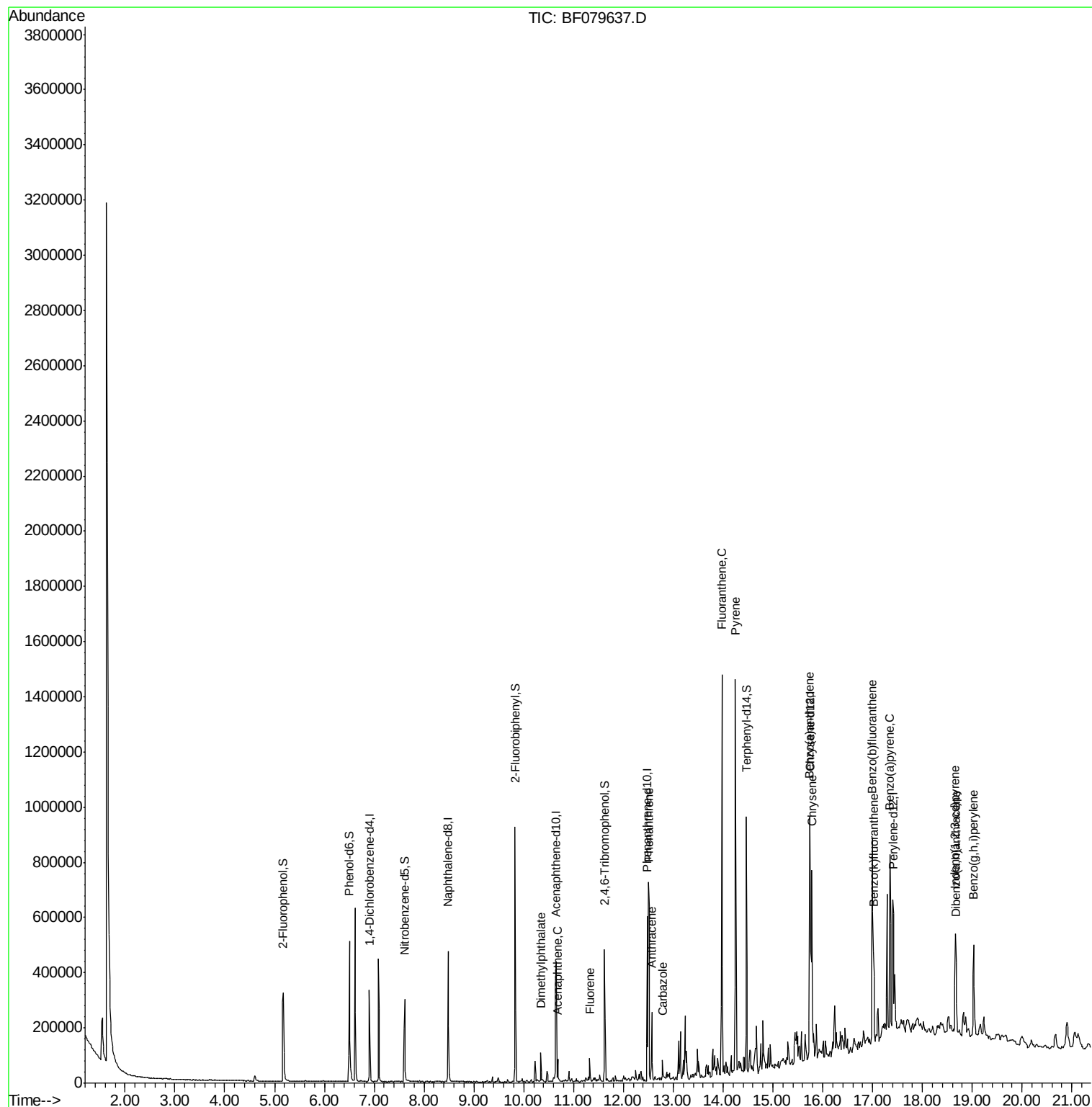
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
Data File : BF079637.D
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Misc :
ALS Vial : 9 Sample Multiplier: 1

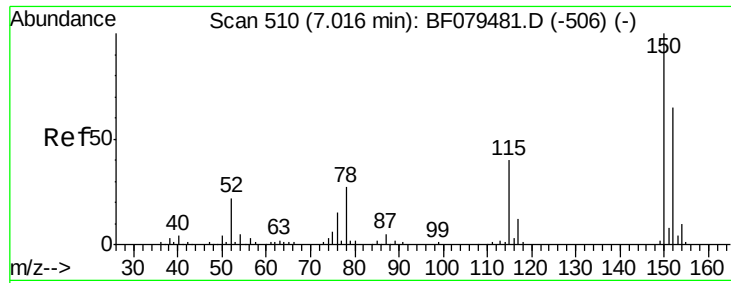
Instrument :
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#1

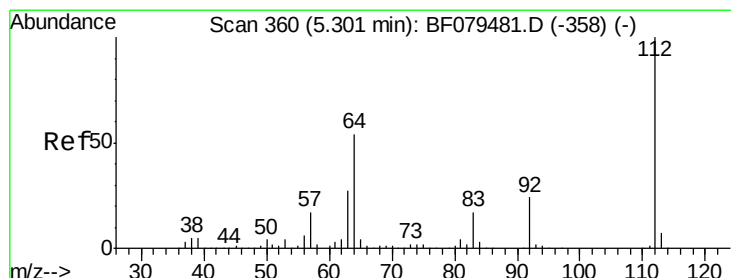
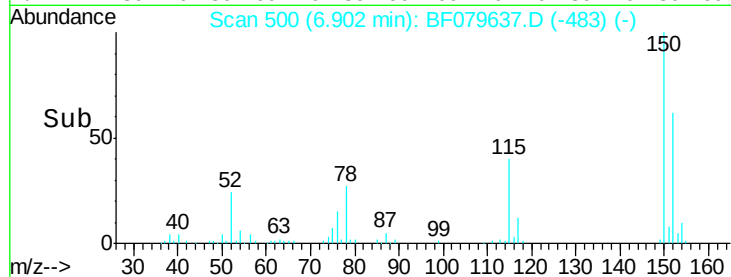
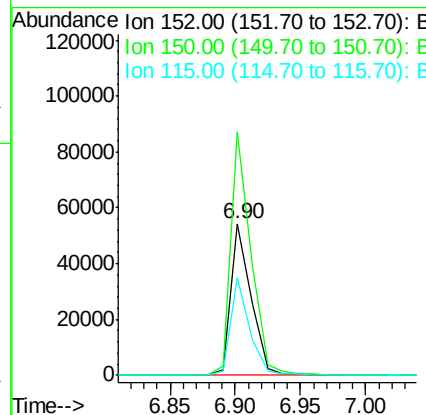
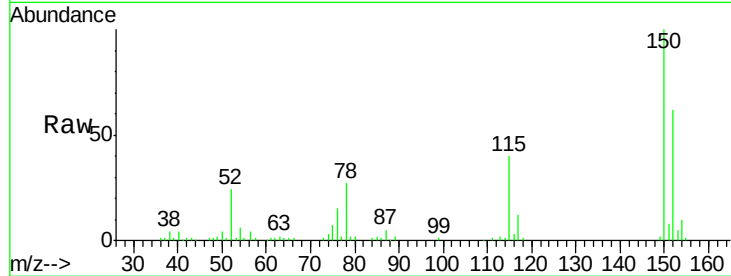
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 500
Delta R.T. 0.00 min
Lab File: BF079637.D
Acq: 31 May 2015 17:12

Instrument :
BNA_F
ClientSampleId :
SB-19S

Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.6	124.0	186.0
115	64.3	49.6	74.4

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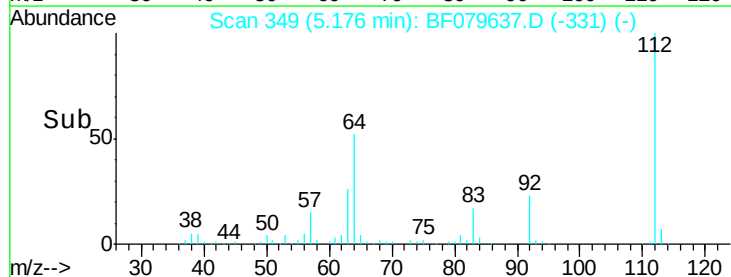
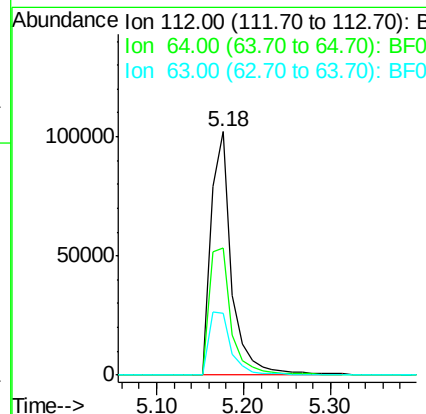
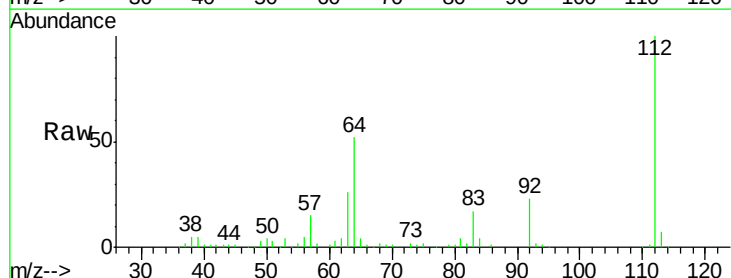
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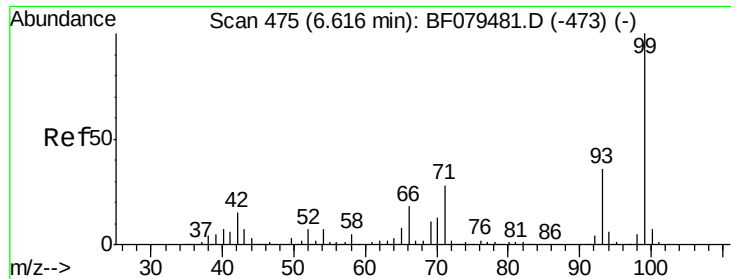


#5

2-Fluorophenol
Concen: 50.04 ng
RT: 5.18 min Scan# 349
Delta R.T. 0.01 min
Lab File: BF079637.D
Acq: 31 May 2015 17:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.3	43.5	65.3
63	25.6	21.8	32.8





#7

Phenol-d6

Concen: 52.28 ng

RT: 6.50 min Scan# 465

Delta R.T. 0.00 min

Lab File: BF079637.D

Acq: 31 May 2015 17:12

Instrument :

BNA_F

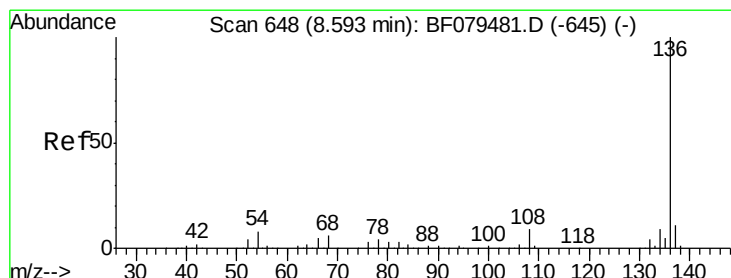
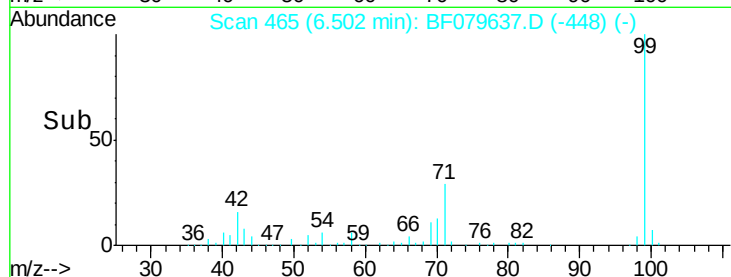
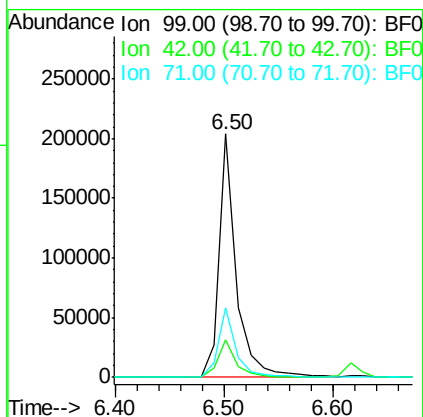
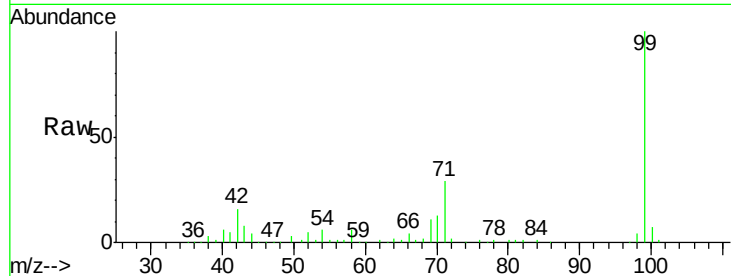
ClientSampled :

SB-19S

Tgt Ion:	99	Resp:	225713
Ion Ratio	Lower	Upper	
99	100		
42	15.6	11.9	17.9
71	28.7	22.1	33.1

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#21

Naphthalene-d8

Concen: 20.00 ng

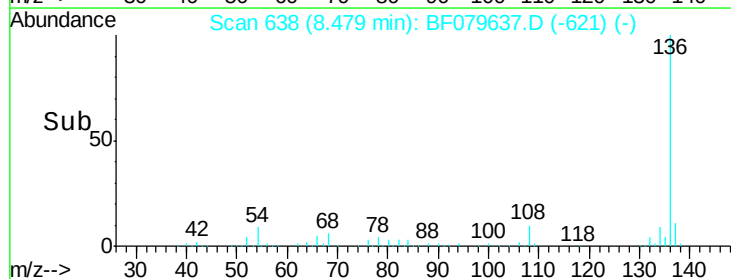
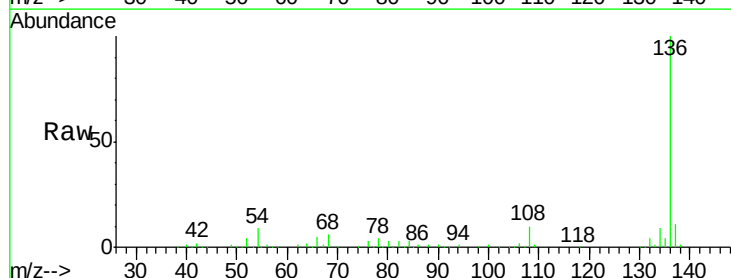
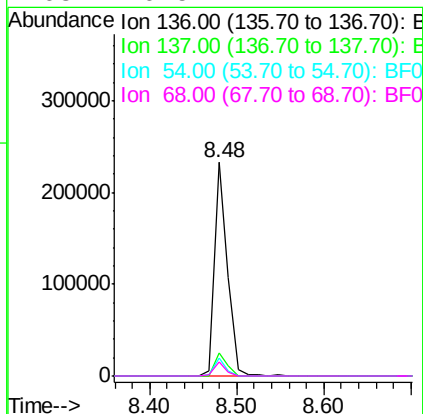
RT: 8.48 min Scan# 638

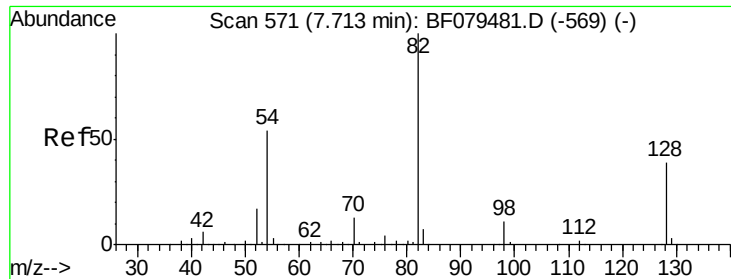
Delta R.T. 0.00 min

Lab File: BF079637.D

Acq: 31 May 2015 17:12

Tgt Ion:	136	Resp:	246608
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.5	12.7
54	8.7	6.6	9.8
68	6.5	4.7	7.1





#23

Nitrobenzene-d5

Concen: 31.14 ng

RT: 7.61 min Scan# 562

Delta R.T. 0.00 min

Lab File: BF079637.D

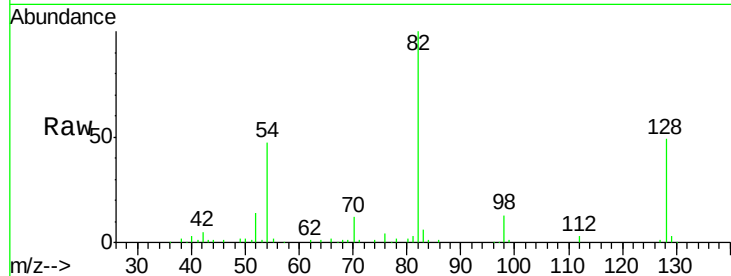
Acq: 31 May 2015 17:12

Instrument :

BNA_F

ClientSampleId :

SB-19S



Tgt Ion: 82 Resp: 132860

Ion Ratio Lower Upper

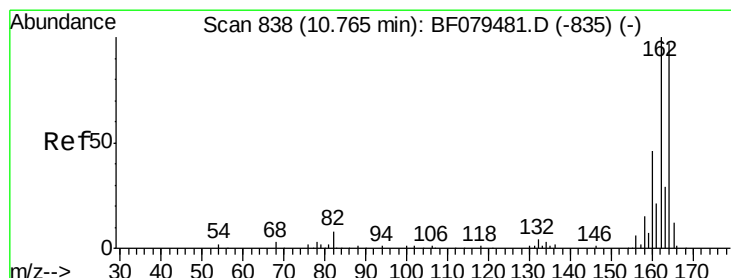
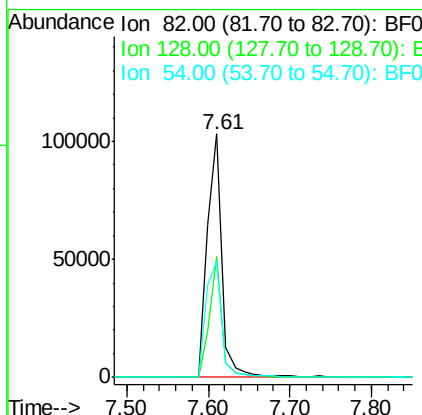
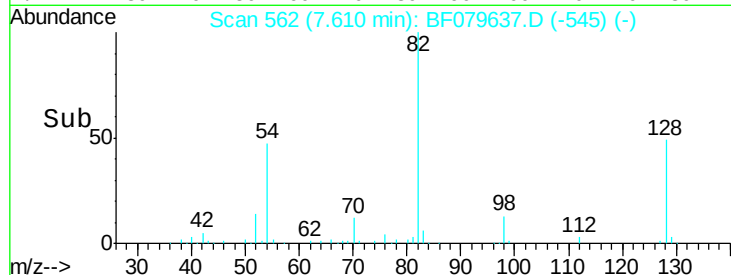
82 100

128 49.3 30.8 46.2#

54 47.4 42.8 64.2

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#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.65 min Scan# 828

Delta R.T. 0.00 min

Lab File: BF079637.D

Acq: 31 May 2015 17:12

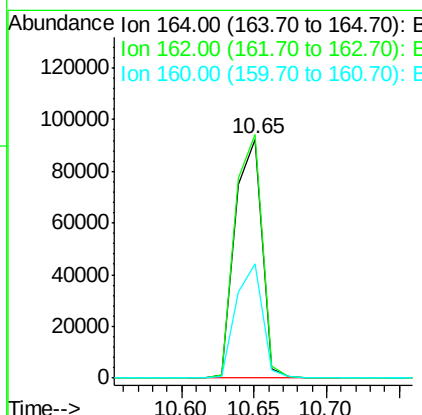
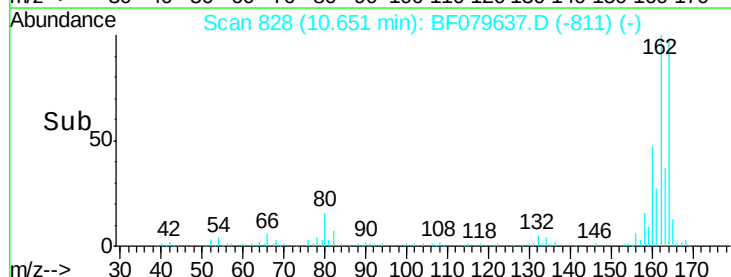
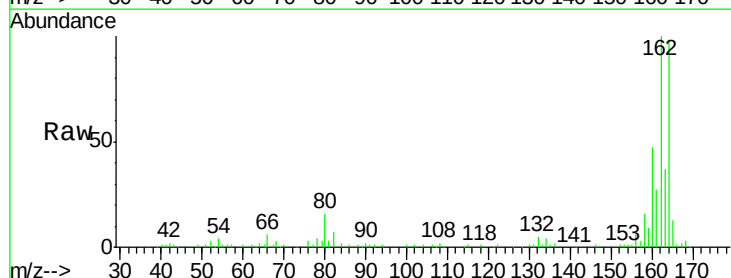
Tgt Ion: 164 Resp: 118446

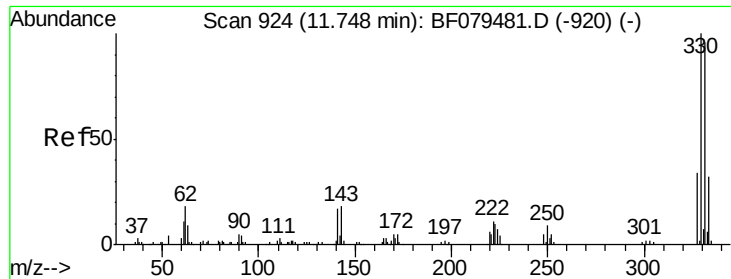
Ion Ratio Lower Upper

164 100

162 101.9 82.6 124.0

160 47.7 37.7 56.5





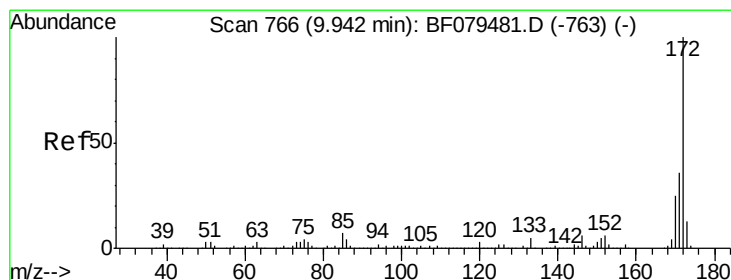
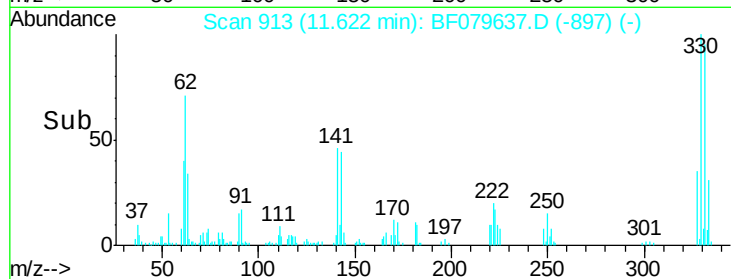
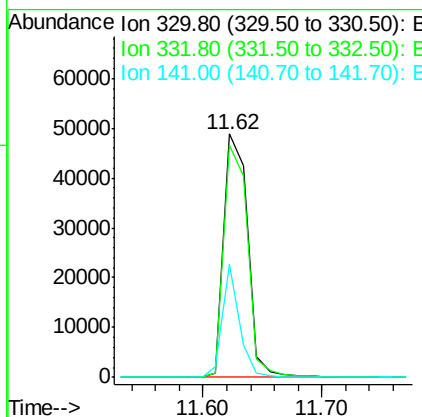
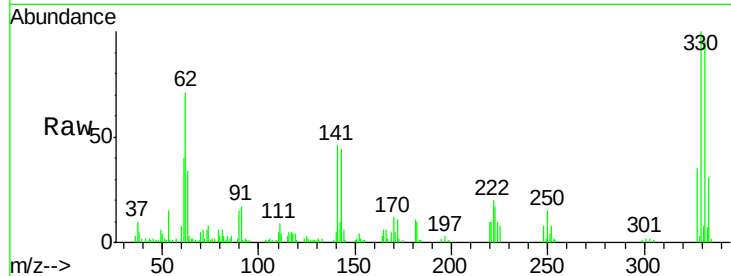
#41
 2,4,6-Tribromophenol
 Concen: 52.12 ng
 RT: 11.62 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: BF079637.D
 Acq: 31 May 2015 17:12

Instrument :
 BNA_F
 ClientSampleId :
 SB-19S

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	95.1	0.0	0.0#
141	33.1	0.0	0.0#

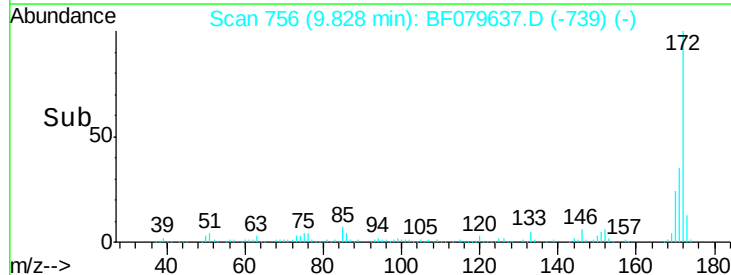
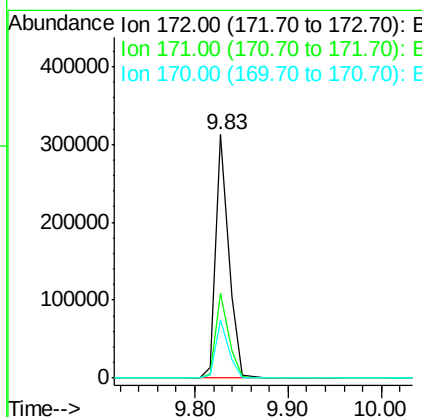
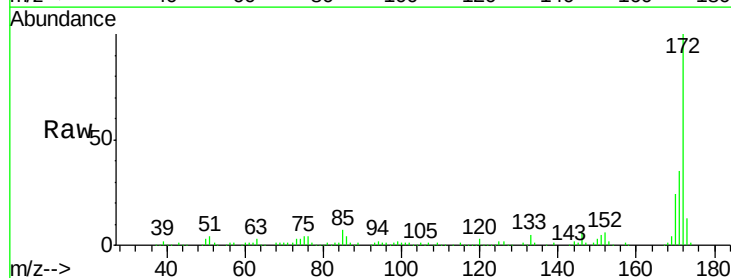
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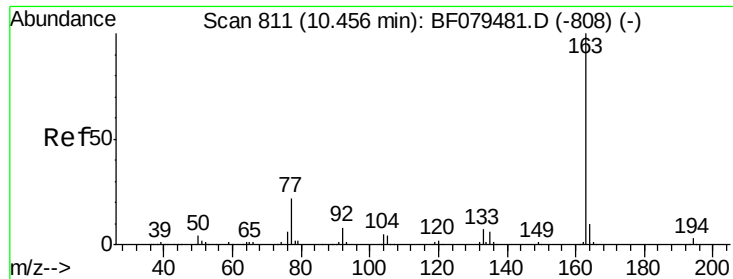
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#44
 2-Fluorobiphenyl
 Concen: 36.21 ng
 RT: 9.83 min Scan# 756
 Delta R.T. 0.00 min
 Lab File: BF079637.D
 Acq: 31 May 2015 17:12

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	35.1	28.5	42.7
170	23.9	19.7	29.5





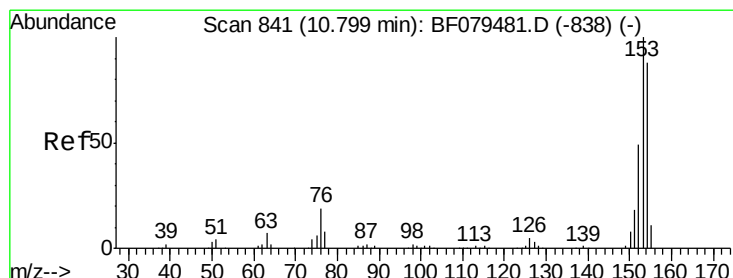
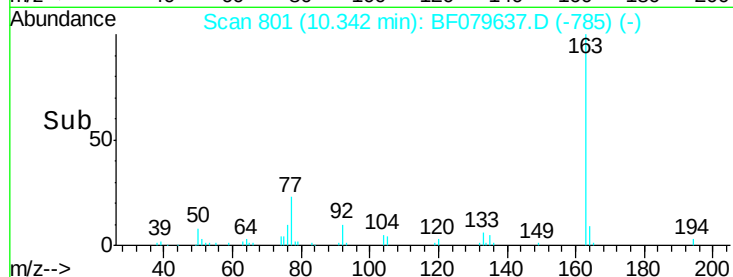
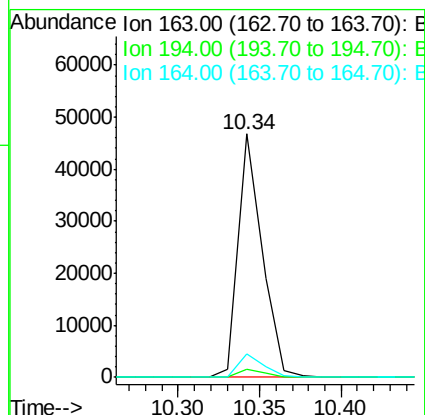
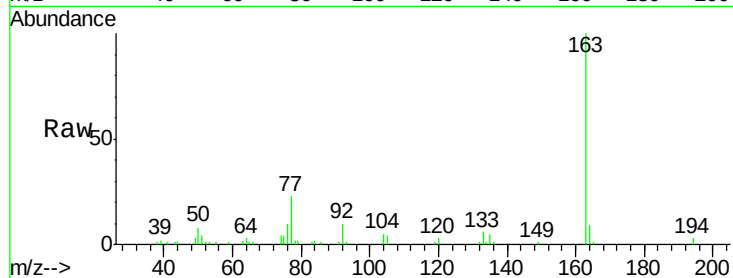
#49
Dimethylphthalate
Concen: 5.44 ng
RT: 10.34 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF079637.D
Acq: 31 May 2015 17:12

Instrument :
BNA_F
ClientSampleId :
SB-19S

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	47492		
194	3.1	2.4	3.6	
164	9.4	8.2	12.4	

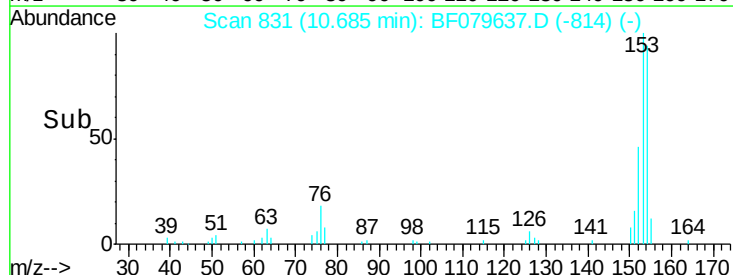
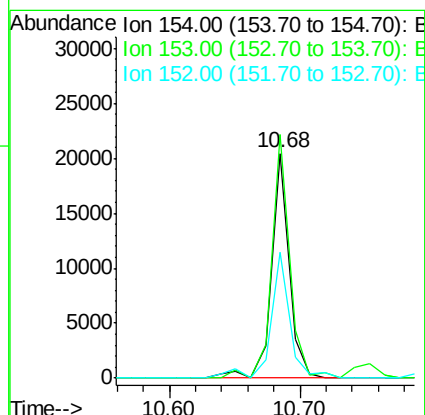
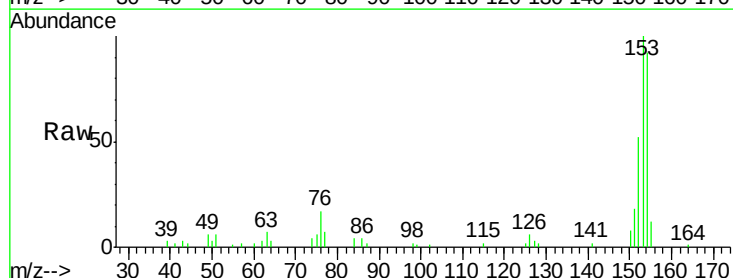
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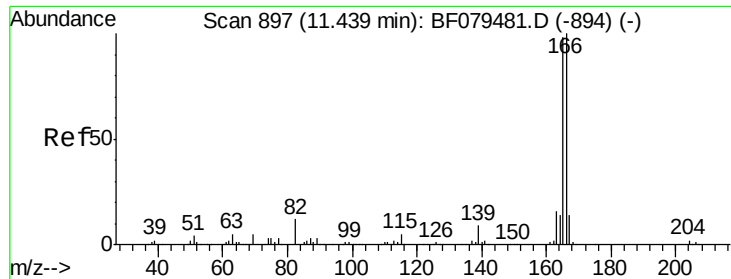
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#51
Acenaphthene
Concen: 2.78 ng
RT: 10.68 min Scan# 831
Delta R.T. 0.00 min
Lab File: BF079637.D
Acq: 31 May 2015 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	19281		
153	108.5	91.1	136.7	
152	56.1	44.6	66.8	





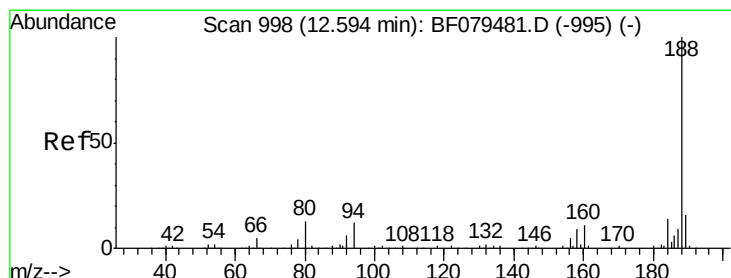
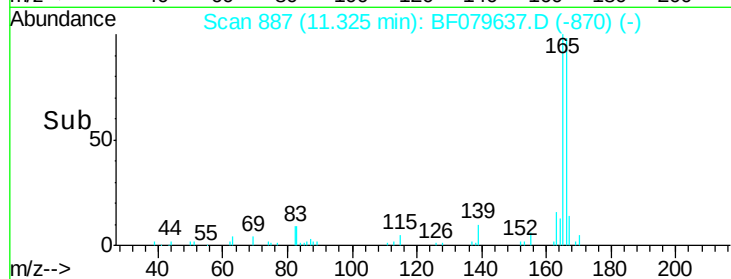
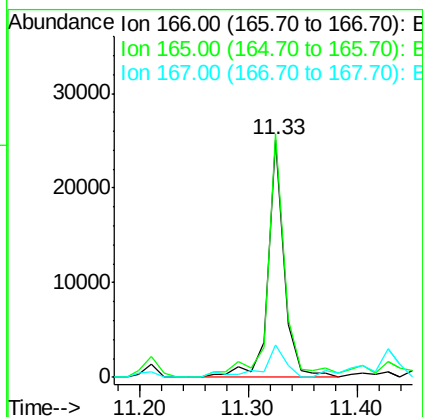
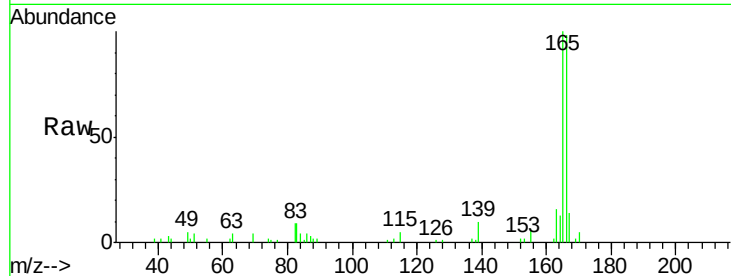
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Fluorene
 Concen: 3.12 ng
 RT: 11.33 min Scan# 887
 Delta R.T. 0.00 min
 Lab File: BF079637.D
 Acq: 31 May 2015 17:12

Instrument :
 BNA_F
 ClientSampleId :
 SB-19S

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	26288		
165	102.5	78.6	117.8	
167	13.9	10.8	16.2	

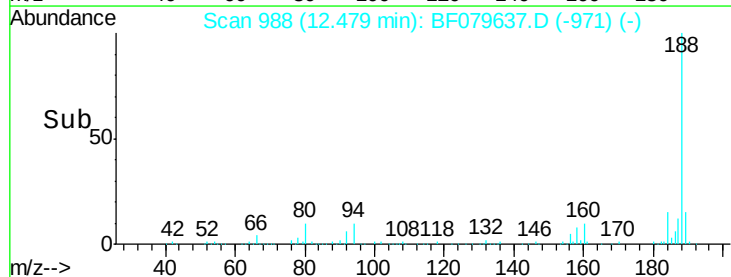
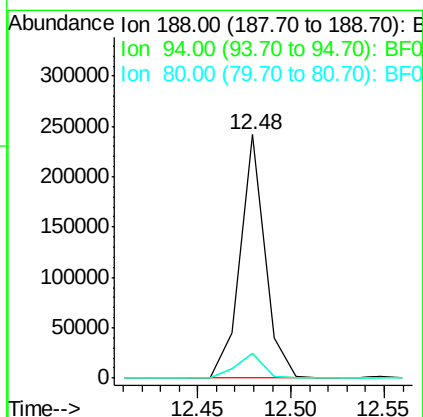
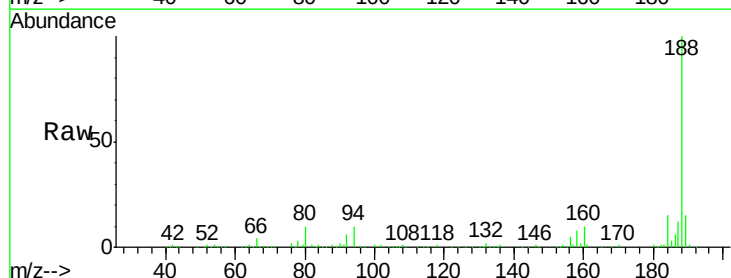
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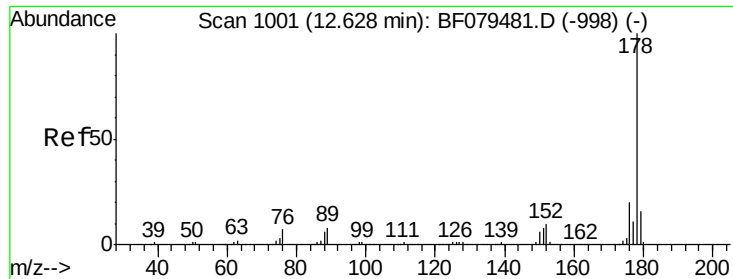
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.48 min Scan# 988
 Delta R.T. 0.00 min
 Lab File: BF079637.D
 Acq: 31 May 2015 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	225425		
94	9.9	9.8	14.6	
80	10.0	10.5	15.7	





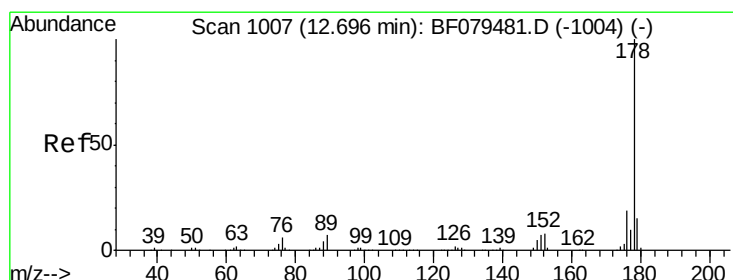
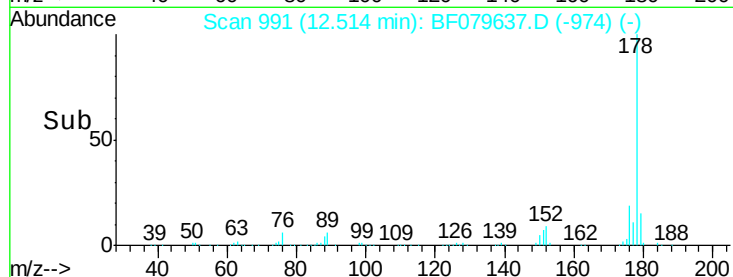
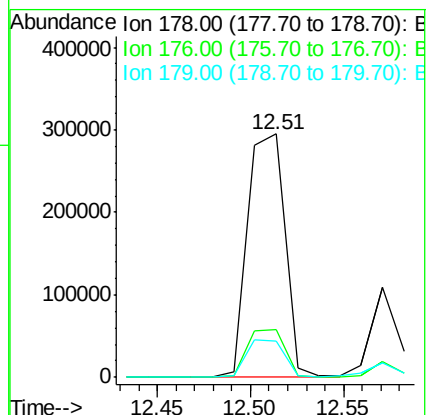
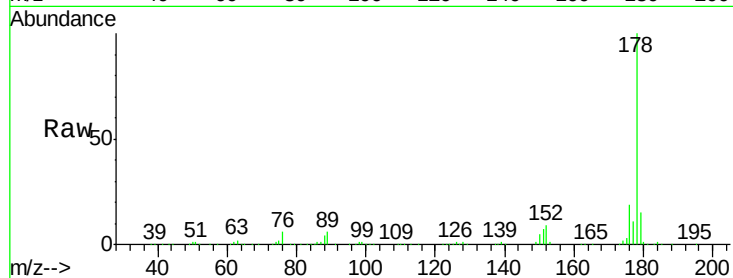
#70
Phenanthrene
Concen: 33.16 ng
RT: 12.51 min Scan# 991
Delta R.T. 0.00 min
Lab File: BF079637.D
Acq: 31 May 2015 17:12

Instrument :
BNA_F
ClientSampleId :
SB-19S

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.7	23.5
179	15.0	12.4	18.6

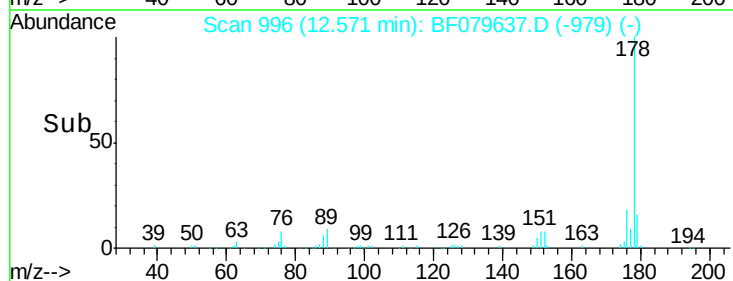
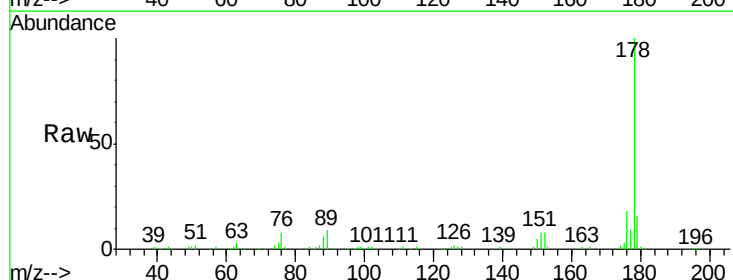
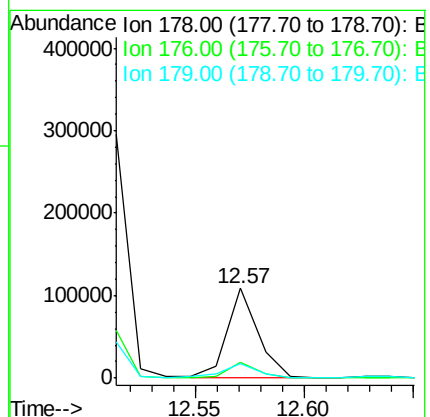
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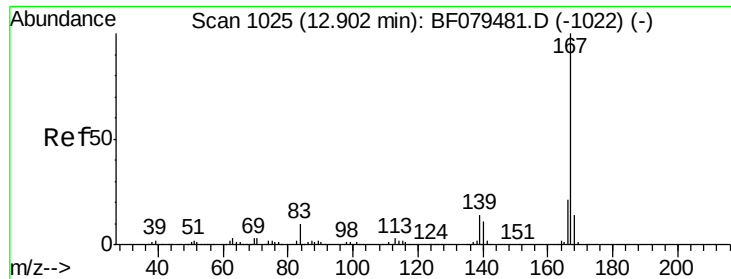
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#71
Anthracene
Concen: 8.35 ng
RT: 12.57 min Scan# 996
Delta R.T. 0.00 min
Lab File: BF079637.D
Acq: 31 May 2015 17:12

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.3	22.9
179	16.1	12.2	18.4





#72

Carbazole

Concen: 2.48 ng

RT: 12.79 min Scan# 1015

Delta R.T. 0.00 min

Lab File: BF079637.D

Acq: 31 May 2015 17:12

Instrument :

BNA_F

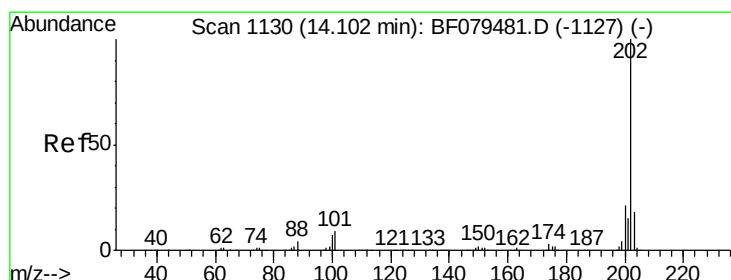
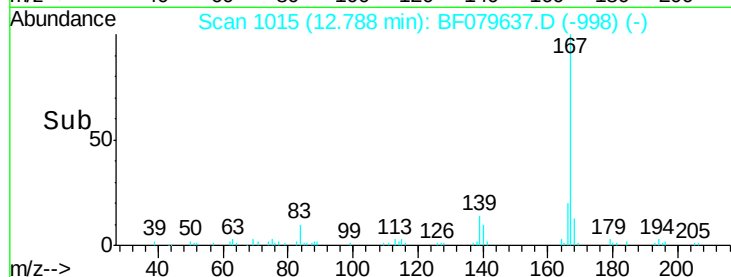
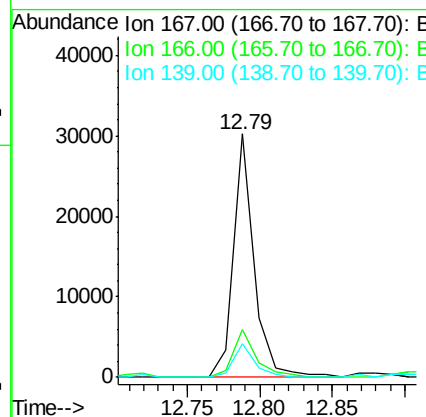
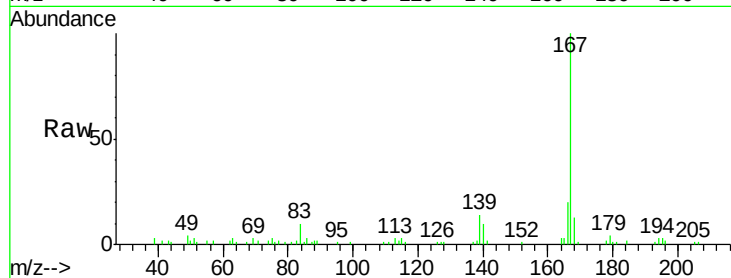
ClientSampleId :

SB-19S

Tgt Ion:	167	Resp:	29920
Ion Ratio	Lower	Upper	
167	100		
166	19.6	17.0	25.4
139	13.6	11.2	16.8

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#74

Fluoranthene

Concen: 47.99 ng

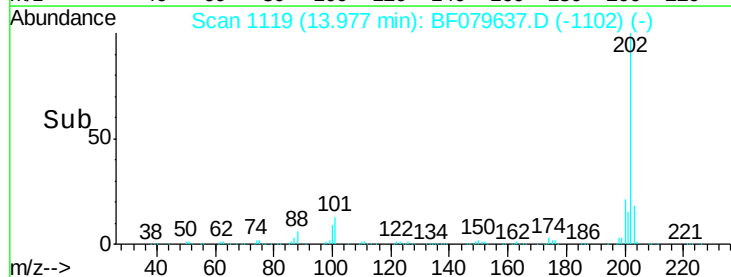
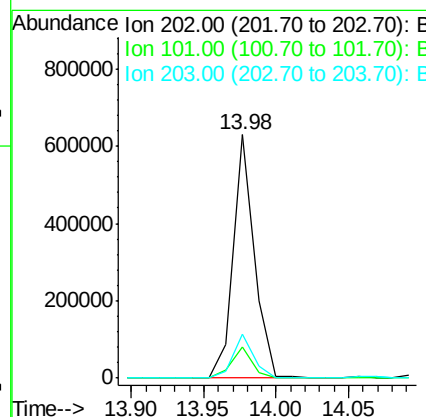
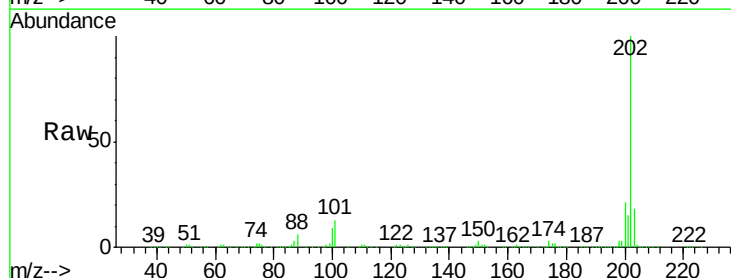
RT: 13.98 min Scan# 1119

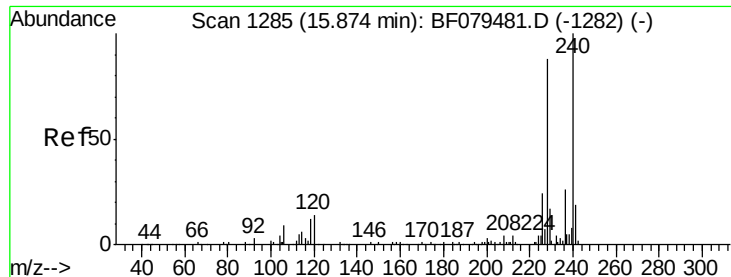
Delta R.T. 0.00 min

Lab File: BF079637.D

Acq: 31 May 2015 17:12

Tgt Ion:	202	Resp:	636429
Ion Ratio	Lower	Upper	
202	100		
101	13.0	0.0	29.3
203	18.2	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: BF079637.D

Acq: 31 May 2015 17:12

Instrument :

BNA_F

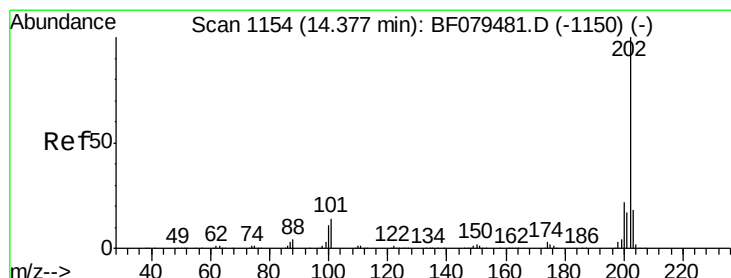
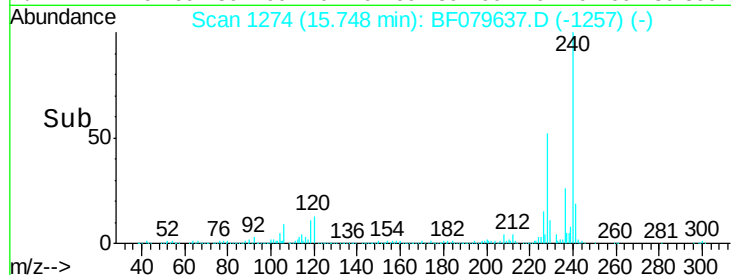
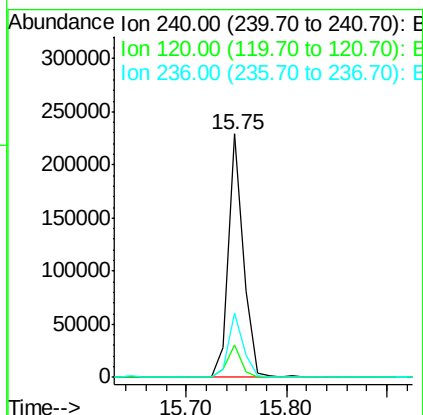
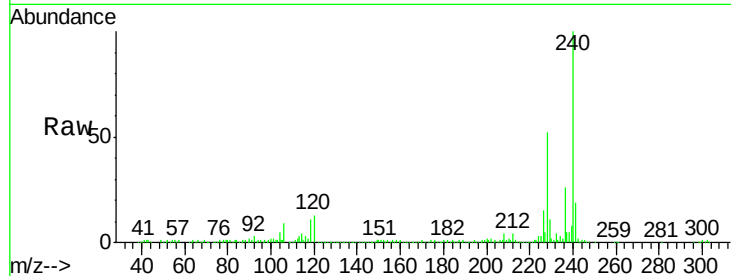
ClientSampleId :

SB-19S

Tgt Ion:	240	Resp:	238575
Ion Ratio		Lower	Upper
240	100		
120	13.4	10.8	16.2
236	26.4	21.0	31.6

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#77

Pyrene

Concen: 43.47 ng

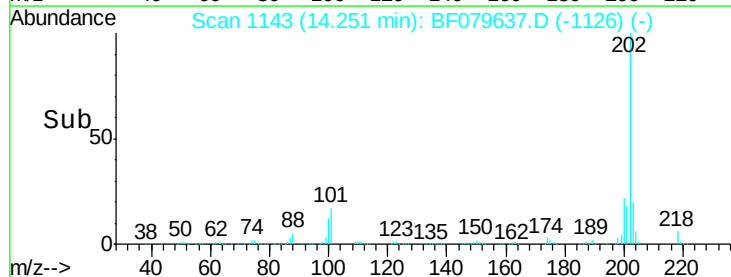
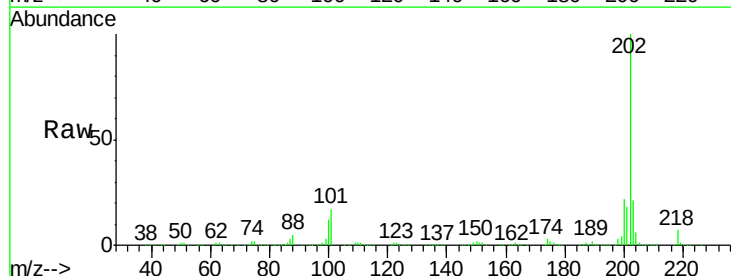
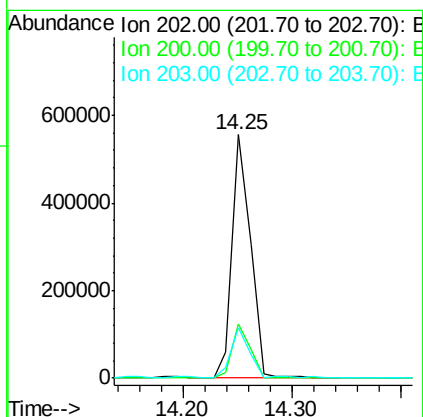
RT: 14.25 min Scan# 1143

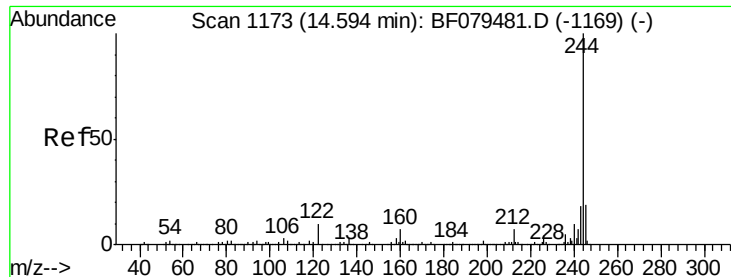
Delta R.T. 0.00 min

Lab File: BF079637.D

Acq: 31 May 2015 17:12

Tgt Ion:	202	Resp:	642472
Ion Ratio		Lower	Upper
202	100		
200	22.1	17.5	26.3
203	20.7	14.4	21.6





#78

Terphenyl-d14

Concen: 33.01 ng

RT: 14.47 min Scan# 1162

Delta R.T. 0.00 min

Lab File: BF079637.D

Acq: 31 May 2015 17:12

Instrument :

BNA_F

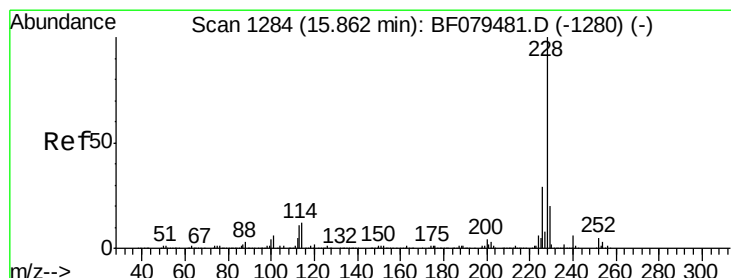
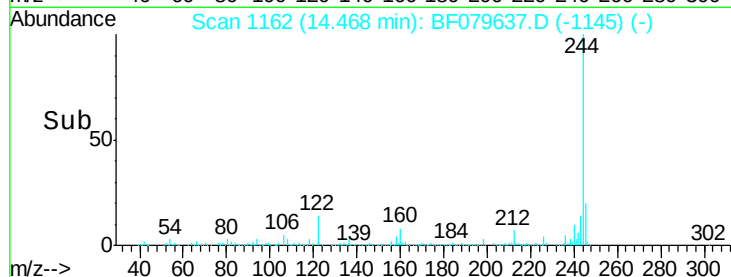
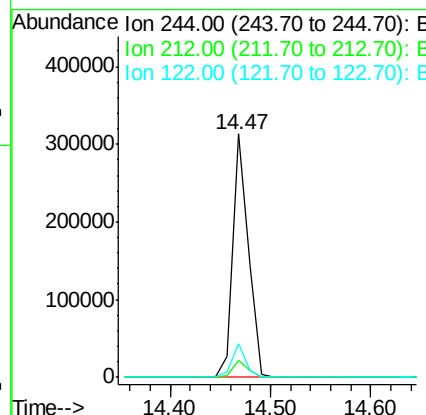
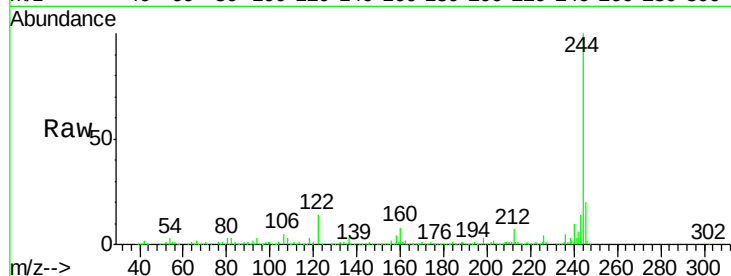
ClientSampleId :

SB-19S

Tgt Ion:	244	Resp:	335588
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.2	7.8
122	14.0	8.0	12.0#

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#80

Benzo(a)anthracene

Concen: 25.79 ng

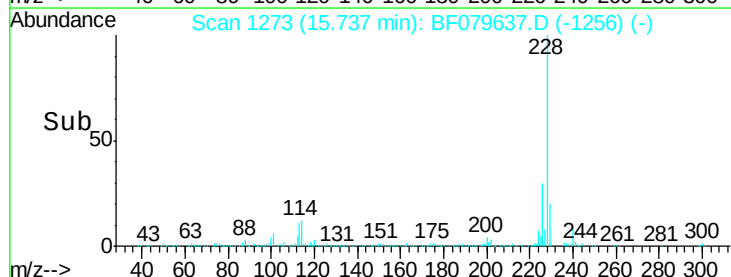
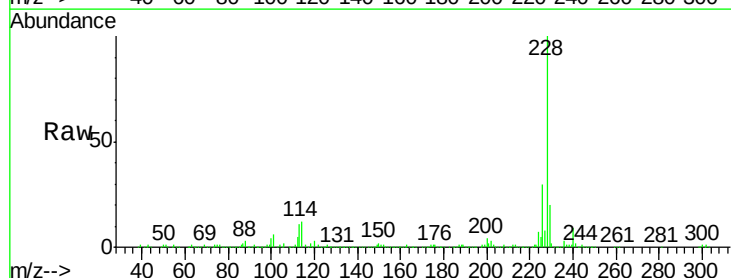
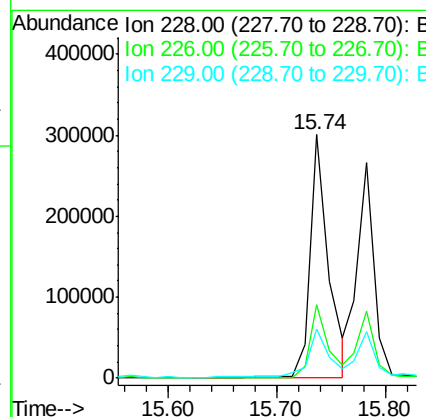
RT: 15.74 min Scan# 1273

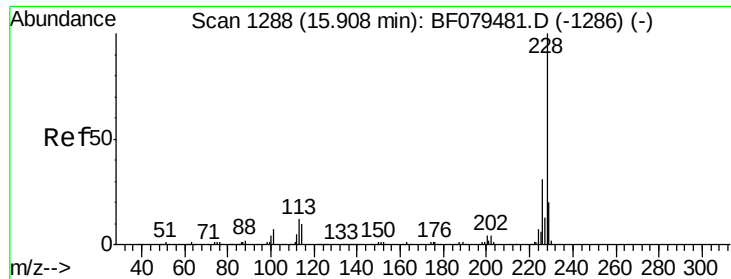
Delta R.T. 0.00 min

Lab File: BF079637.D

Acq: 31 May 2015 17:12

Tgt Ion:	228	Resp:	353933
Ion Ratio	Lower	Upper	
228	100		
226	30.2	22.8	34.2
229	20.2	15.9	23.9





#82

Chrysene

Concen: 21.87 ng

RT: 15.78 min Scan# 1277

Delta R.T. 0.00 min

Lab File: BF079637.D

Acq: 31 May 2015 17:12

Instrument :

BNA_F

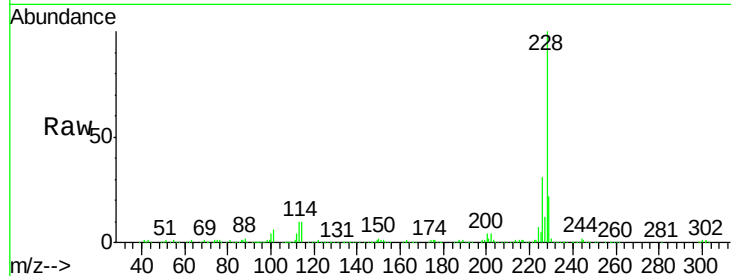
ClientSampleId :

SB-19S

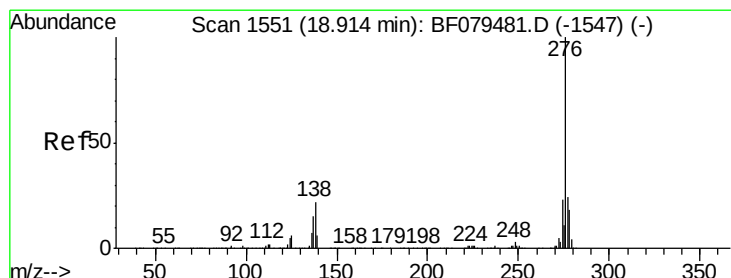
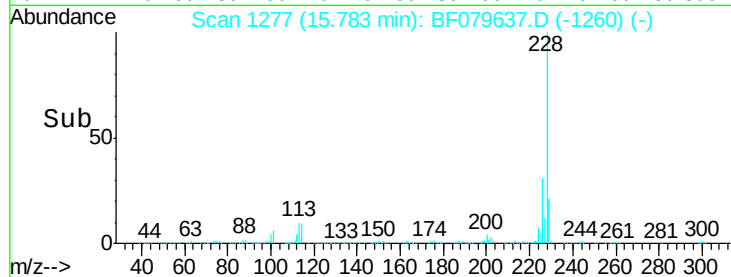
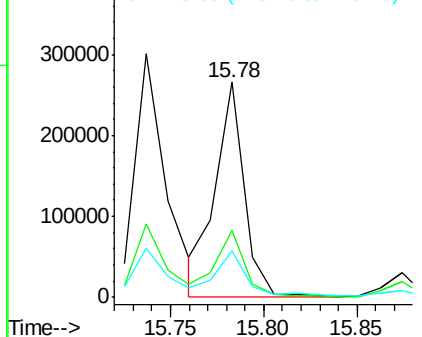
Tgt Ion:	228	Resp:	285291
Ion Ratio	Lower	Upper	
228	100		
226	30.9	25.0	37.4
229	21.9	15.9	23.9

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 13.79 ng

RT: 18.66 min Scan# 1529

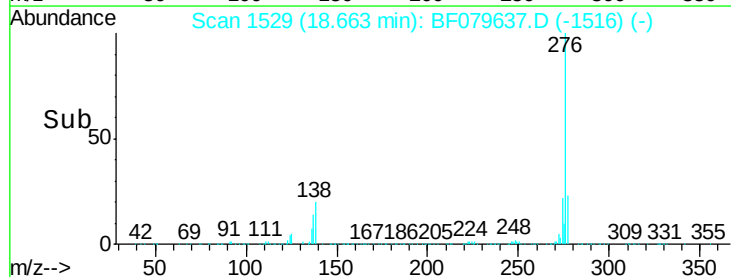
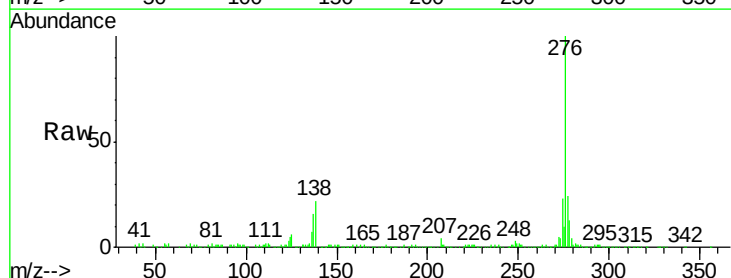
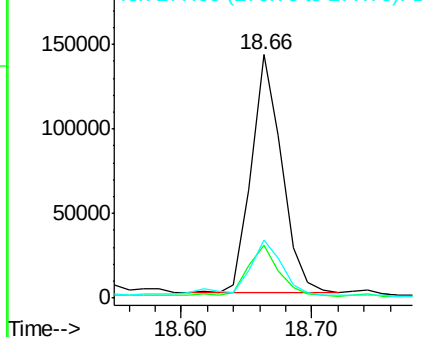
Delta R.T. -0.05 min

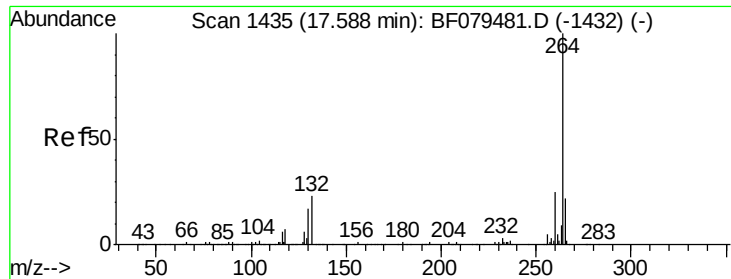
Lab File: BF079637.D

Acq: 31 May 2015 17:12

Tgt Ion:	276	Resp:	231398
Ion Ratio	Lower	Upper	
276	100		
138	23.0	21.4	32.2
277	28.4	19.8	29.6

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





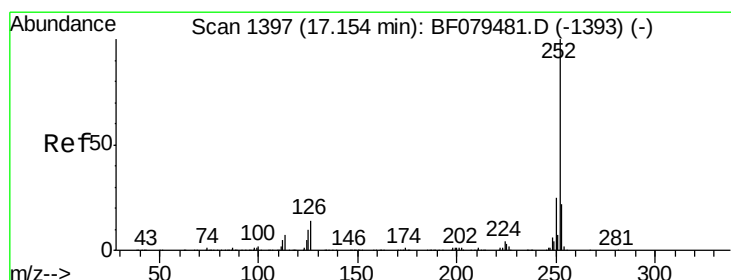
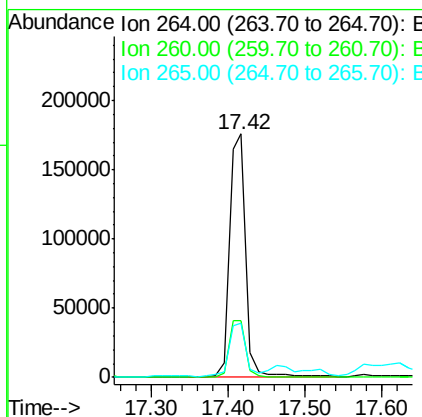
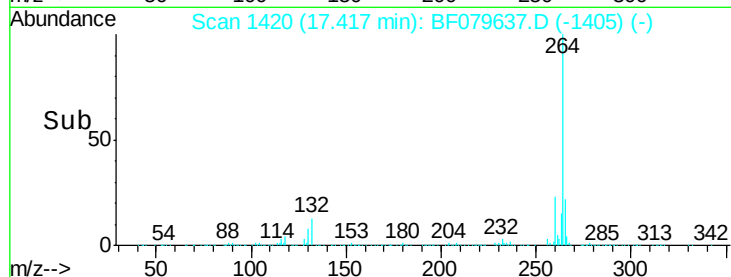
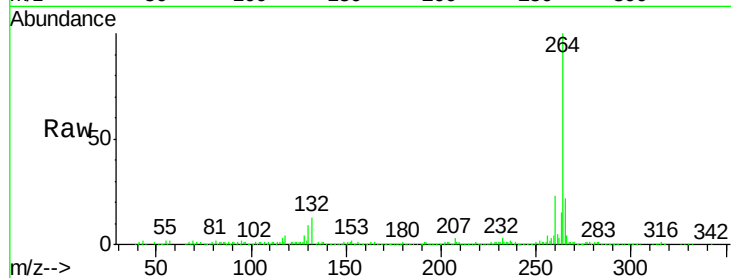
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.42 min Scan# 1420
Delta R.T. -0.02 min
Lab File: BF079637.D
Acq: 31 May 2015 17:12

Instrument :
BNA_F
ClientSampleId :
SB-19S

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	262784		
260	23.4	19.8	29.8	
265	22.0	17.8	26.6	

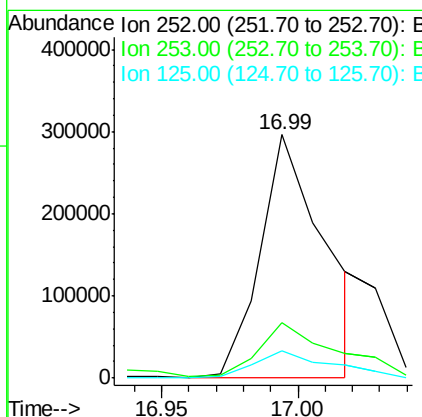
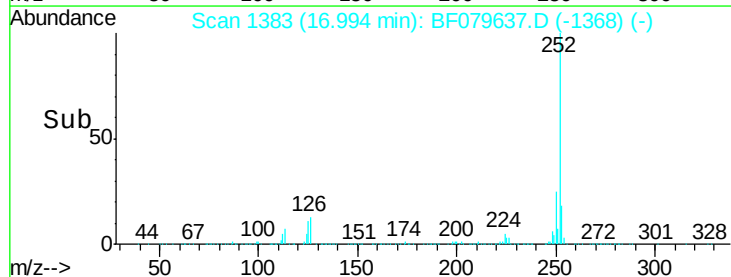
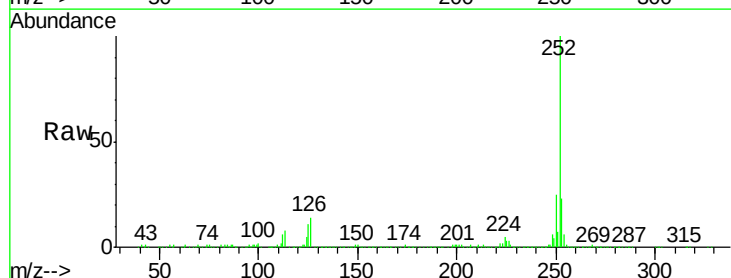
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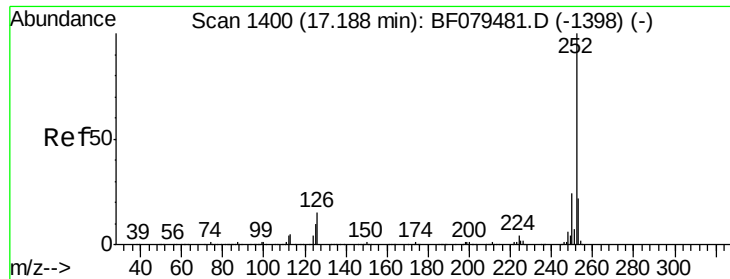
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#87
Benzo(b)fluoranthene
Concen: 32.69 ng m
RT: 16.99 min Scan# 1383
Delta R.T. -0.02 min
Lab File: BF079637.D
Acq: 31 May 2015 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	489939		
253	22.8	17.6	26.4	
125	11.1	7.8	11.6	





#88

Benzo(k)fluoranthene

Concen: 6.60 ng m

RT: 17.02 min Scan# 1385

Delta R.T. -0.02 min

Lab File: BF079637.D

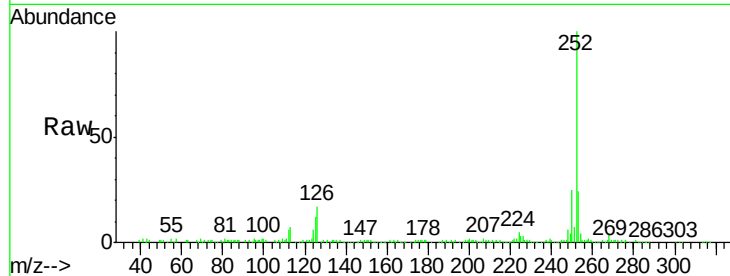
Acq: 31 May 2015 17:12

Instrument :

BNA_F

ClientSampleId :

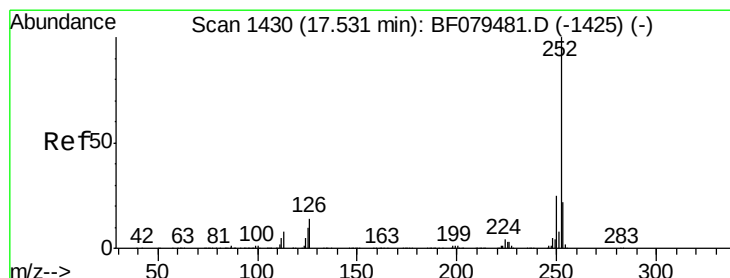
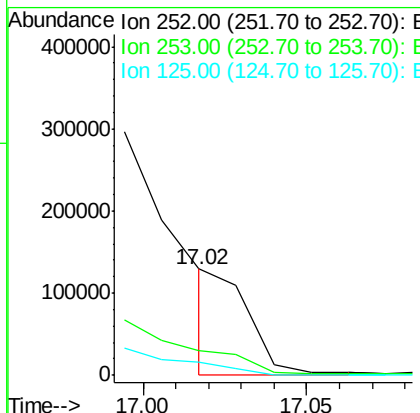
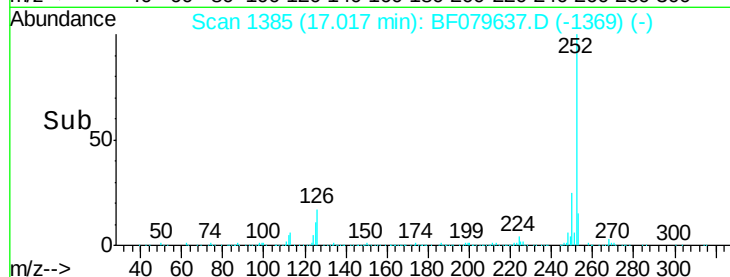
SB-19S



Tgt Ion:	252	Resp:	88436
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.2	25.8
125	12.1	6.8	10.2#

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#89

Benzo(a)pyrene

Concen: 24.94 ng

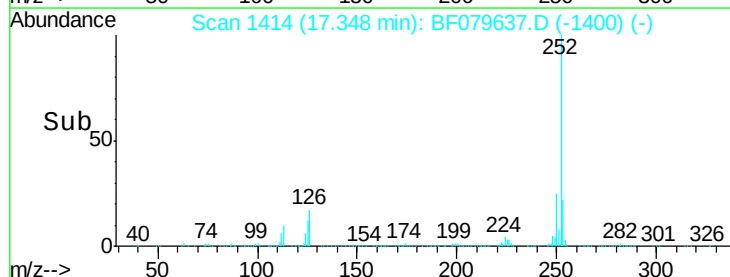
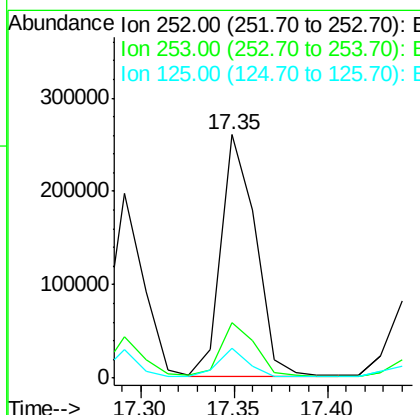
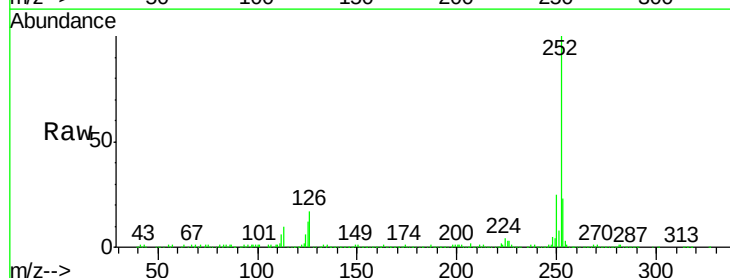
RT: 17.35 min Scan# 1414

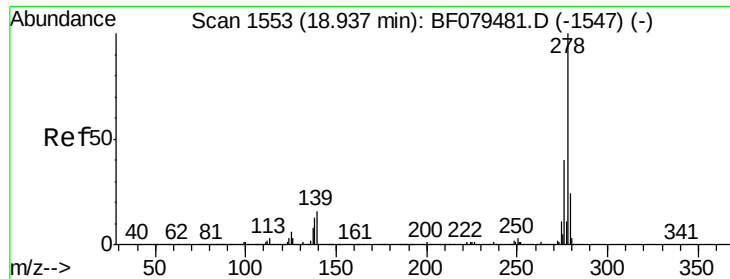
Delta R.T. -0.03 min

Lab File: BF079637.D

Acq: 31 May 2015 17:12

Tgt Ion:	252	Resp:	339078
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.8	26.8
125	12.4	7.9	11.9#





#90

Dibenzo(a,h)anthracene

Concen: 2.33 ng

RT: 18.67 min Scan# 1530

Delta R.T. -0.06 min

Lab File: BF079637.D

Acq: 31 May 2015 17:12

Instrument :

BNA_F

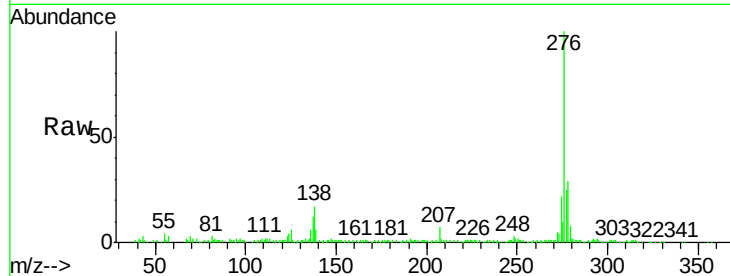
ClientSampleId :

SB-19S

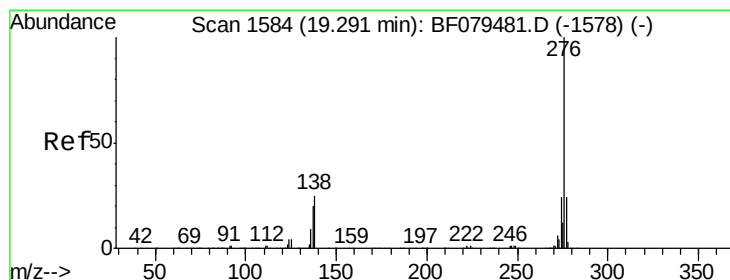
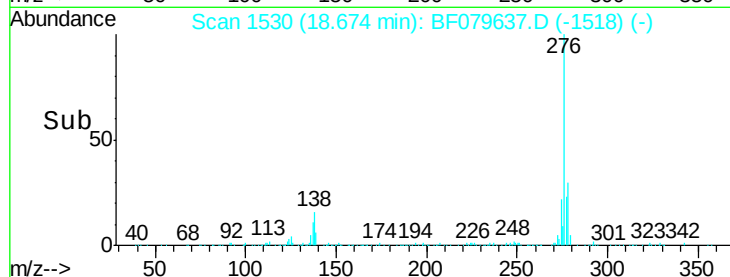
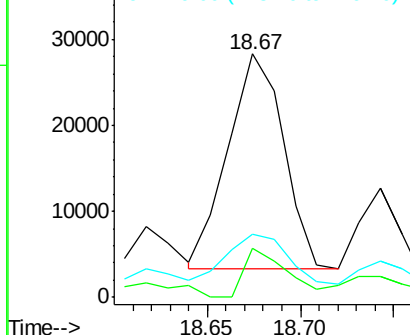
Tgt Ion:	278	Resp:	51821
Ion Ratio	Lower	Upper	
278	100		
139	20.3	12.8	19.2#
279	26.1	19.1	28.7

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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 17.25 ng

RT: 19.03 min Scan# 1561

Delta R.T. -0.05 min

Lab File: BF079637.D

Acq: 31 May 2015 17:12

Tgt Ion:	276	Resp:	249611
Ion Ratio	Lower	Upper	
276	100		
277	24.0	19.1	28.7
138	22.4	20.1	30.1

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

