

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043015\
 Data File : BF078863.D
 Acq On : 30 Apr 2015 22:44
 Operator : TP/IZ
 Sample : G2044-01 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-59S

Manual Integrations
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Quant Time: May 01 01:15:12 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 01 00:31:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	79675	20.00	ng	0.00
21) Naphthalene-d8	8.95	136	324442	20.00	ng	0.00
38) Acenaphthene-d10	11.12	164	155978	20.00	ng	-0.01
63) Phenanthrene-d10	12.97	188	314980	20.00	ng	0.00
75) Chrysene-d12	16.27	240	316647	20.00	ng	0.00
86) Perylene-d12	18.03	264	330212	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	248800	53.75	ng	0.00
7) Phenol-d6	6.91	99	331060	54.11	ng	0.00
23) Nitrobenzene-d5	8.06	82	181007	32.06	ng	0.00
41) 2,4,6-Tribromophenol	12.10	330	86375	51.19	ng	0.00
44) 2-Fluorobiphenyl	10.30	172	342974	30.63	ng	0.00
78) Terphenyl-d14	14.97	244	397615	30.06	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	8.57	122	2290	7.00	ng	91
70) Phenanthrene	13.01	178	97607	5.54	ng	96
74) Fluoranthene	14.48	202	201457	10.97	ng	96
77) Pyrene	14.77	202	200131	10.97	ng	99
80) Benzo(a)anthracene	16.26	228	98446	5.68	ng	98
82) Chrysene	16.30	228	92041	5.52	ng	97
85) Indeno(1,2,3-cd)pyrene	19.54	276	75659	3.56	ng	# 100
87) Benzo(b)fluoranthene	17.58	252	124754m	6.90	ng	
88) Benzo(k)fluoranthene	17.59	252	53473m	3.06	ng	
89) Benzo(a)pyrene	17.97	252	102482	6.16	ng	98
91) Benzo(g,h,i)perylene	19.99	276	73317	4.14	ng	98

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

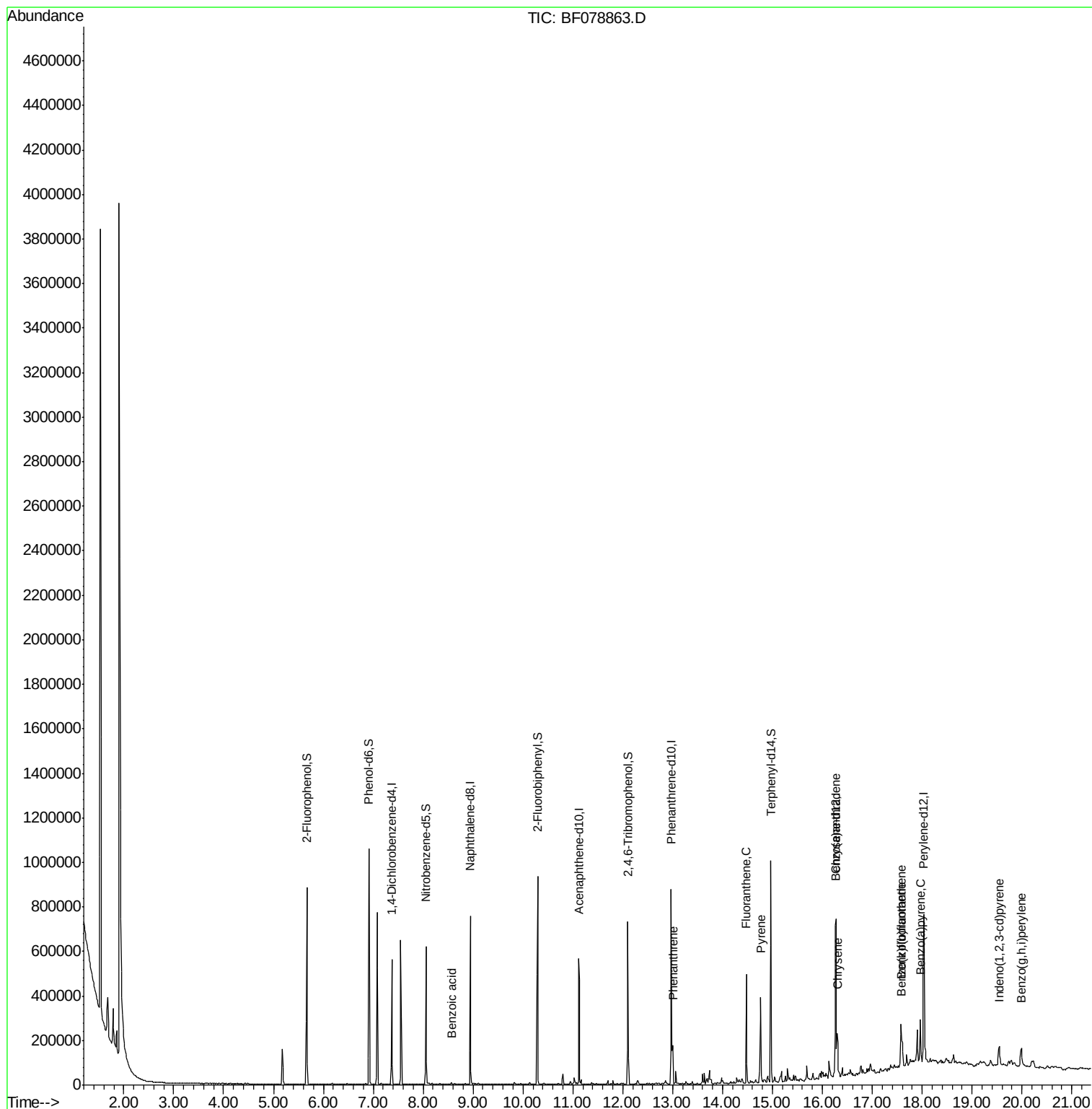
Data Path : Z:\HPCHEM1\BNA F\DATA\BF043015\
Data File : BF078863.D
Acq On : 30 Apr 2015 22:44
Operator : TP/IZ
Sample : G2044-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

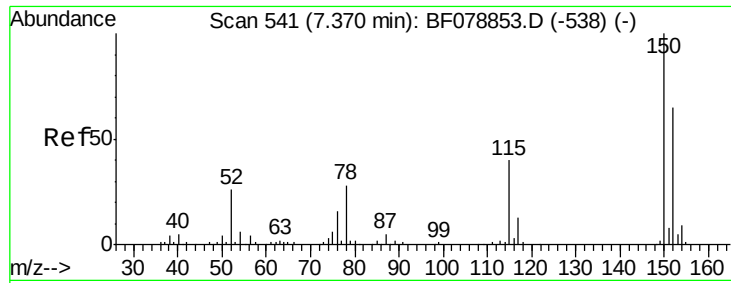
Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
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#1

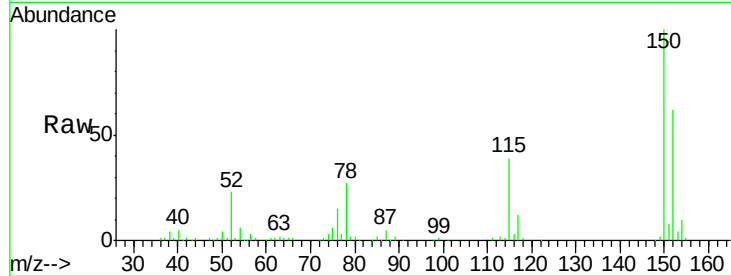
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 541
Delta R.T. -0.00 min
Lab File: BF078863.D
Acq: 30 Apr 2015 22:44

Instrument :
BNA_F
ClientSampleId :
SB-59S

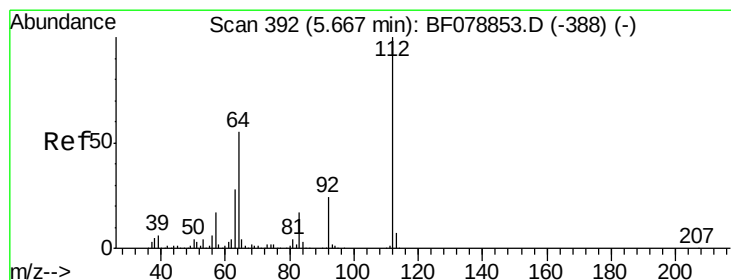
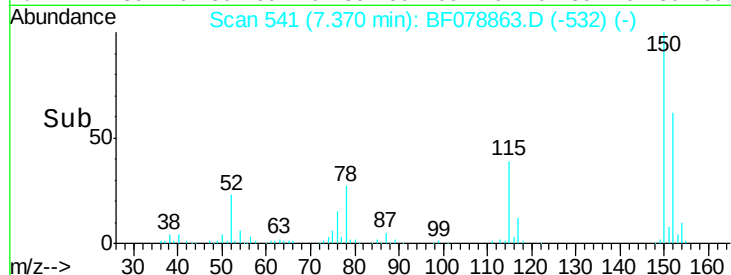
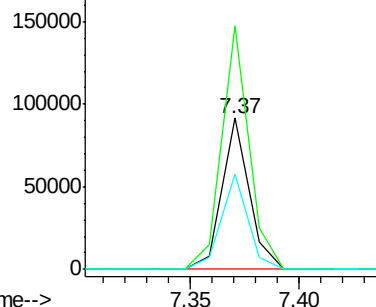
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.9	122.0	183.0
115	63.1	46.3	69.5

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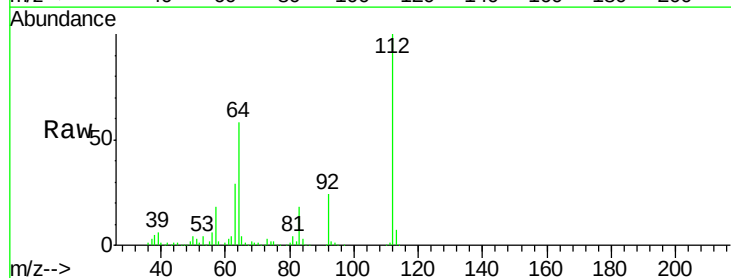
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



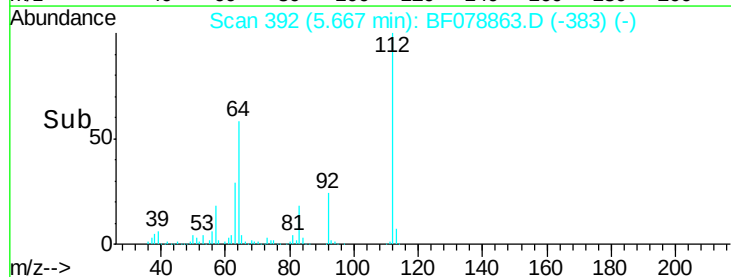
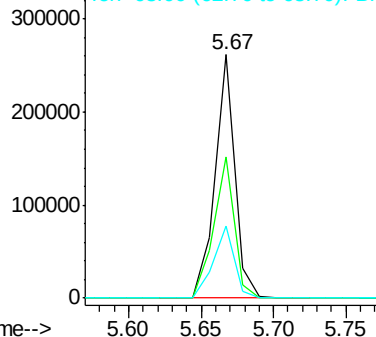
#5

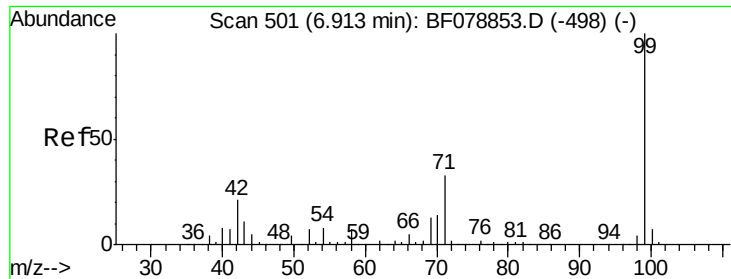
2-Fluorophenol
Concen: 53.75 ng
RT: 5.67 min Scan# 392
Delta R.T. -0.00 min
Lab File: BF078863.D
Acq: 30 Apr 2015 22:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	53.5	80.3
63	29.4	27.5	41.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 54.11 ng

RT: 6.91 min Scan# 501

Delta R.T. -0.00 min

Lab File: BF078863.D

Acq: 30 Apr 2015 22:44

Instrument :

BNA_F

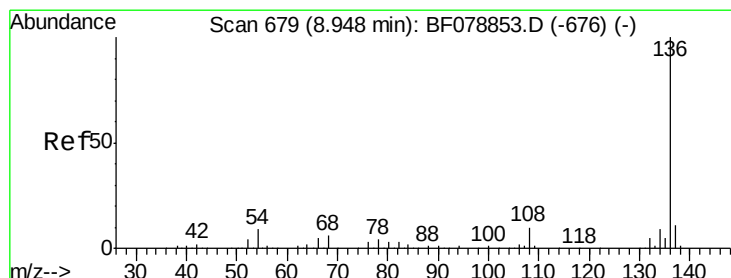
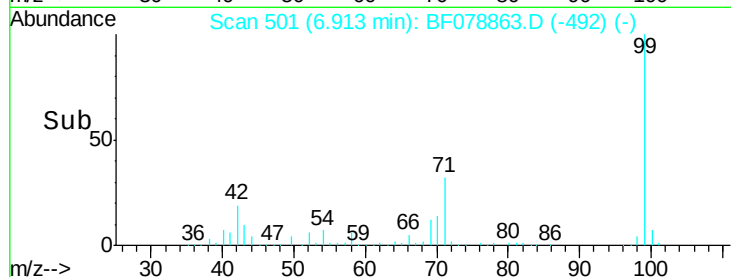
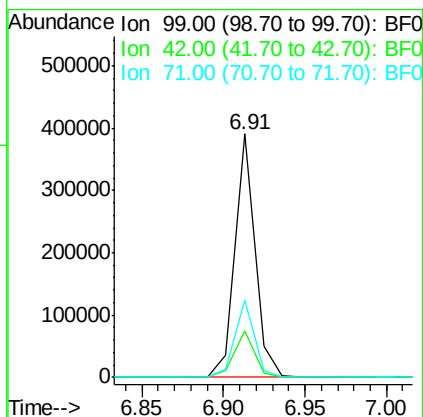
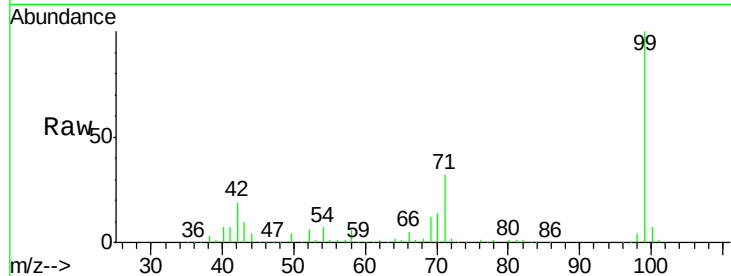
ClientSampled :

SB-59S

Tot Ion:	99	Resp:	331060
Ion Ratio	Lower	Upper	
99	100		
42	19.0	12.8	19.2
71	31.8	23.4	35.2

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#21

Naphthalene-d8

Concen: 20.00 ng

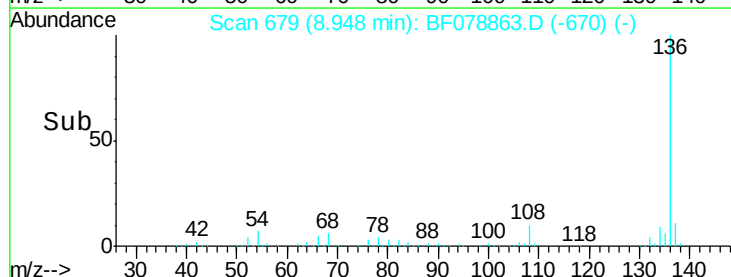
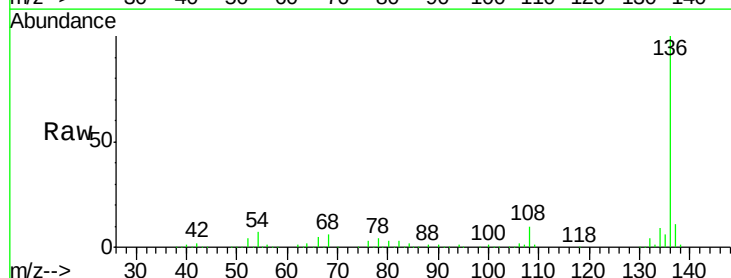
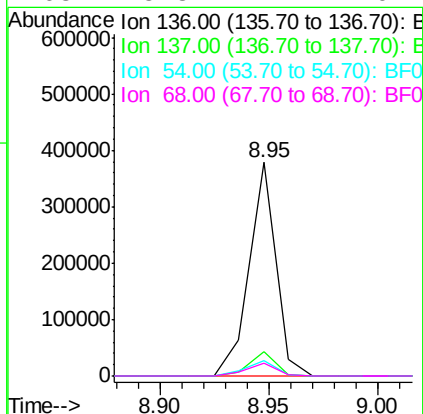
RT: 8.95 min Scan# 679

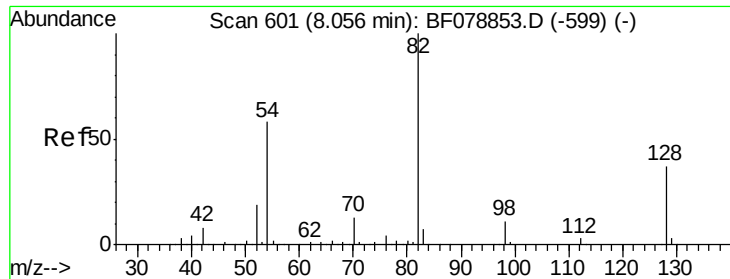
Delta R.T. -0.00 min

Lab File: BF078863.D

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Tgt Ion:	136	Resp:	324442
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.7	13.1
54	7.4	5.8	8.8
68	5.8	4.2	6.4





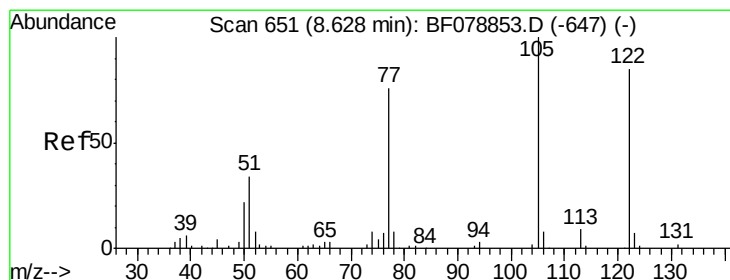
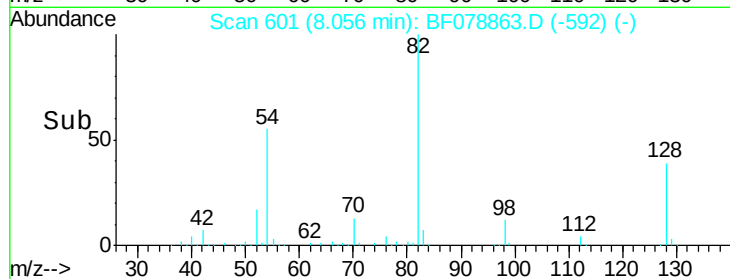
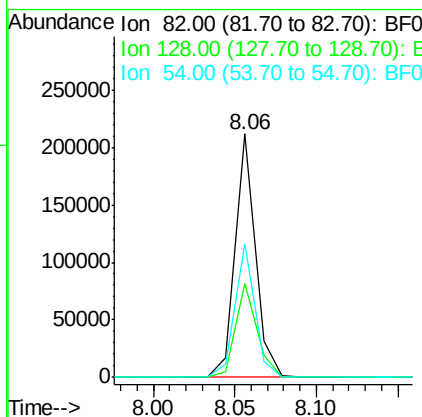
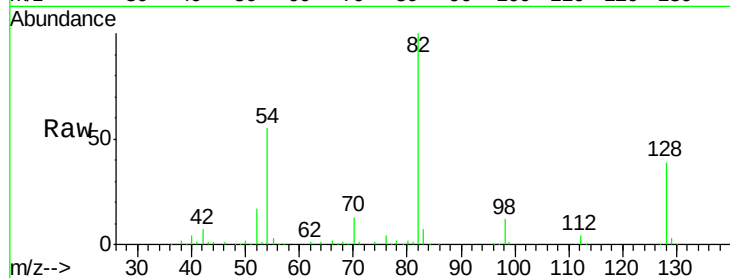
#23
 Nitrobenzene-d5
 Concen: 32.06 ng
 RT: 8.06 min Scan# 601
 Delta R.T. -0.00 min
 Lab File: BF078863.D
 Acq: 30 Apr 2015 22:44

Instrument :
 BNA_F
 ClientSampled :
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Tot Ion	82	Resp	181007
Ion Ratio	100	Lower	Upper
82	100		
128	38.8	30.0	45.0
54	54.9	46.4	69.6

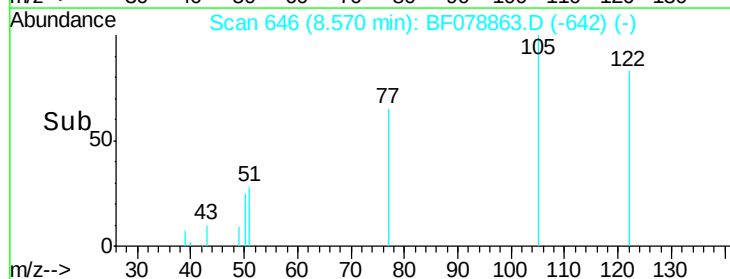
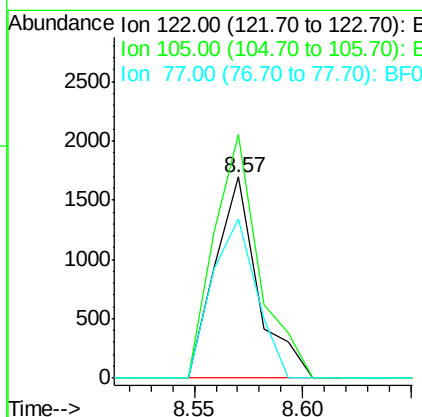
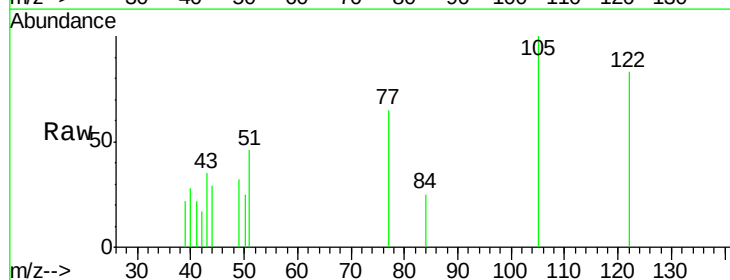
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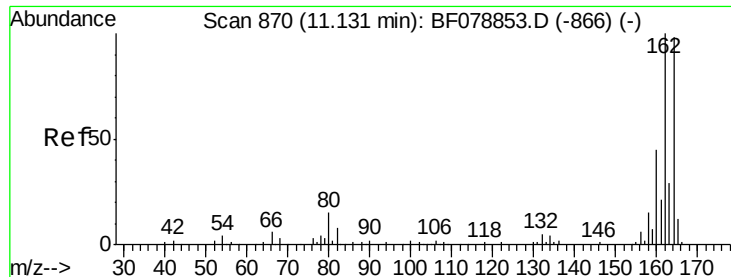
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#32
 Benzoic acid
 Concen: 7.00 ng
 RT: 8.57 min Scan# 646
 Delta R.T. -0.06 min
 Lab File: BF078863.D
 Acq: 30 Apr 2015 22:44

Tgt Ion	122	Resp	2290
Ion Ratio	100	Lower	Upper
122	100		
105	121.1	107.1	147.1
77	79.2	73.9	113.9





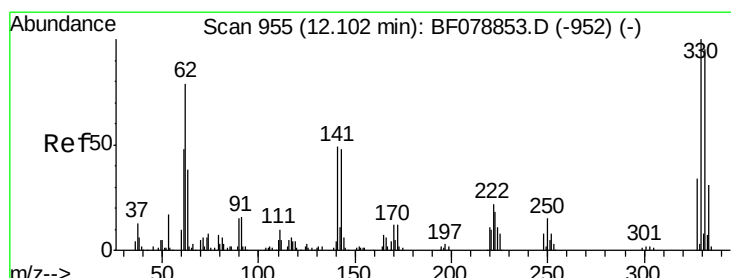
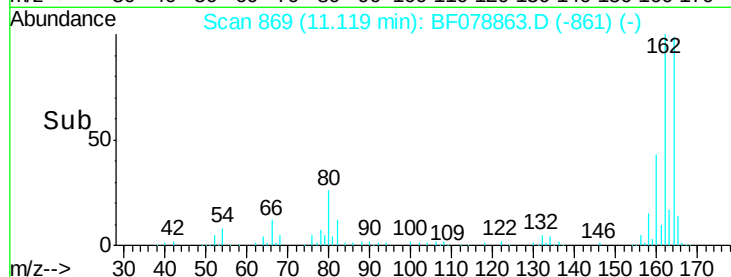
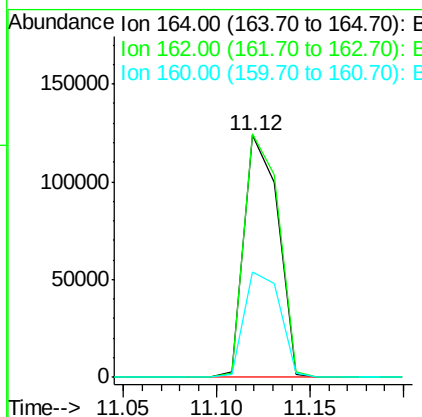
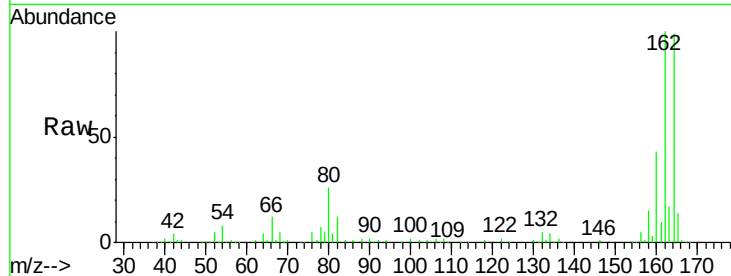
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 869
Delta R.T. -0.01 min
Lab File: BF078863.D
Acq: 30 Apr 2015 22:44

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
164	100		
162	100.7	82.7	124.1
160	43.4	35.8	53.8

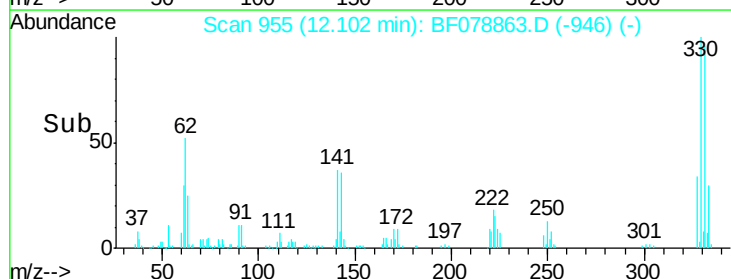
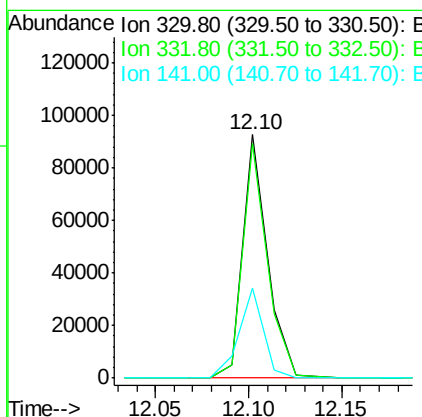
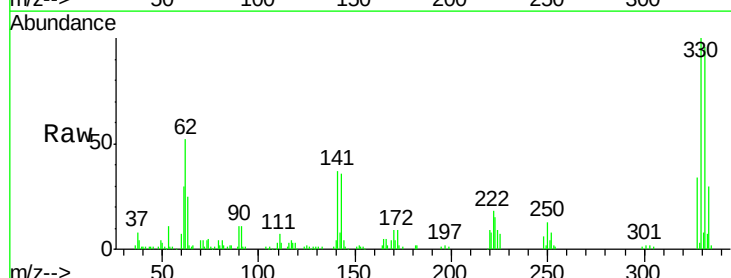
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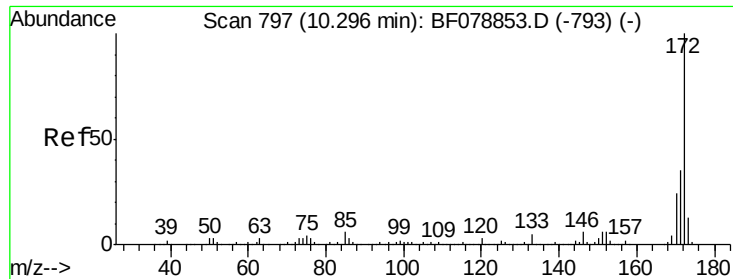
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#41
2,4,6-Tribromophenol
Concen: 51.19 ng
RT: 12.10 min Scan# 955
Delta R.T. -0.00 min
Lab File: BF078863.D
Acq: 30 Apr 2015 22:44

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	0.0	0.0#
141	36.3	0.0	0.0#





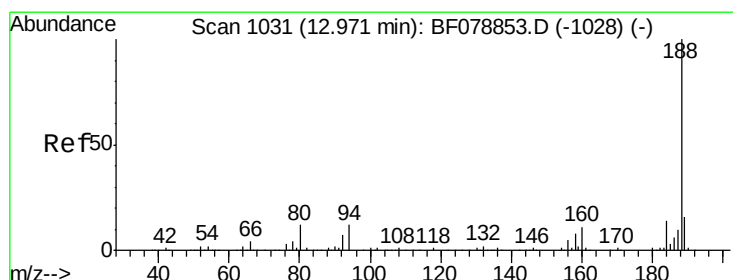
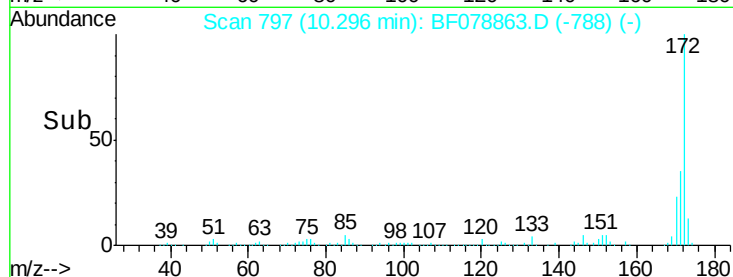
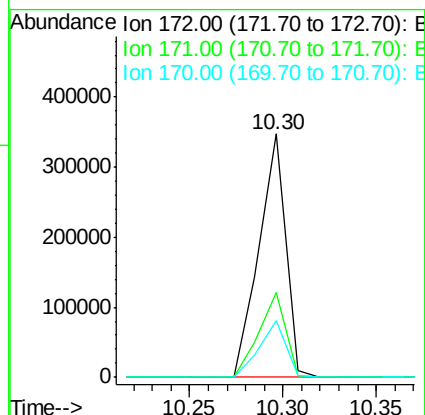
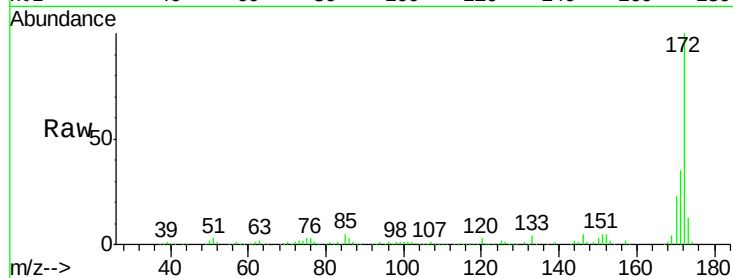
#44
 2-Fluorobiphenyl
 Concen: 30.63 ng
 RT: 10.30 min Scan# 797
 Delta R.T. -0.00 min
 Lab File: BF078863.D
 Acq: 30 Apr 2015 22:44

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.9	41.9
170	23.4	19.4	29.0

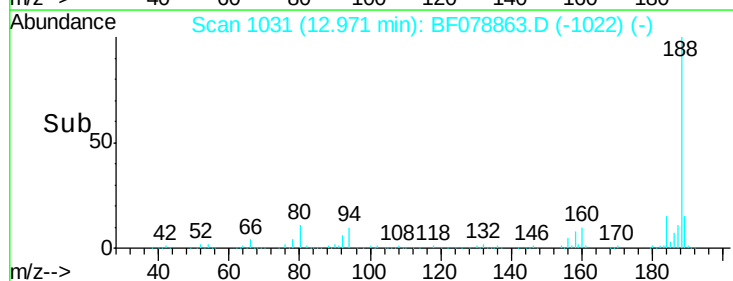
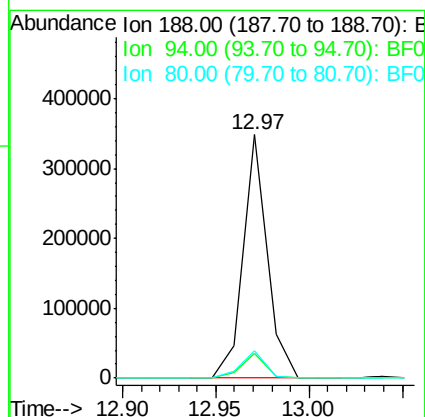
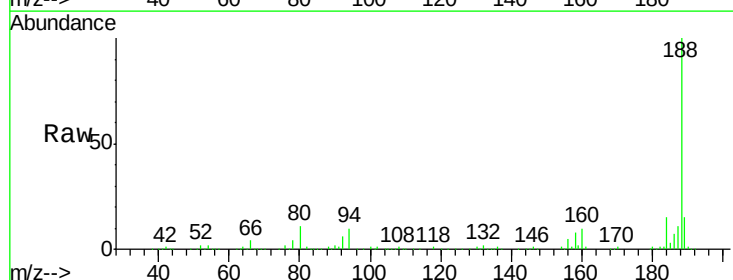
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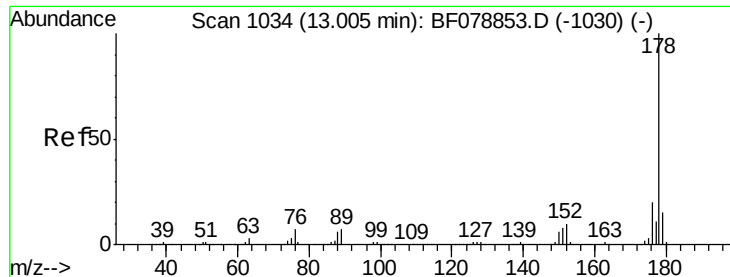
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.97 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: BF078863.D
 Acq: 30 Apr 2015 22:44

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.2	12.2
80	11.0	8.9	13.3





#70

Phenanthrene

Concen: 5.54 ng

RT: 13.01 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF078863.D

Acq: 30 Apr 2015 22:44

Instrument :

BNA_F

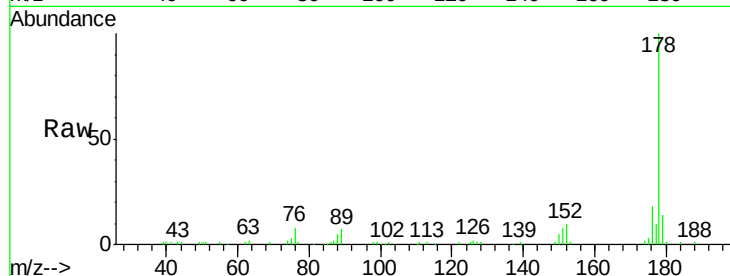
ClientSampled :

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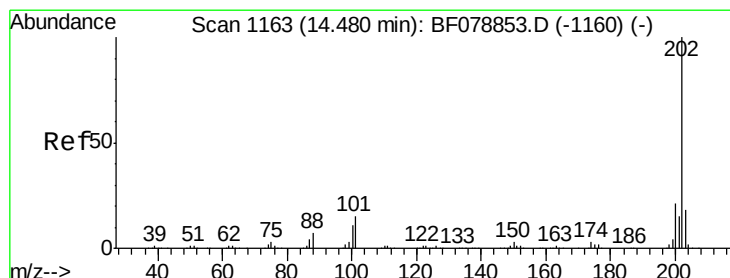
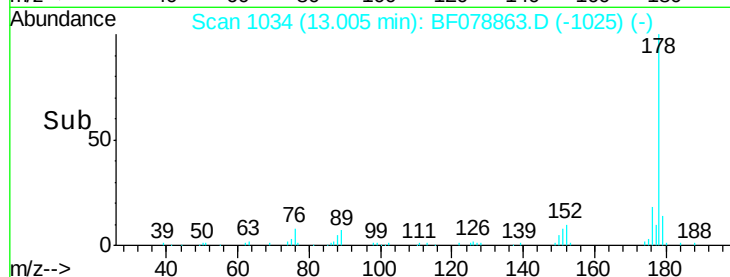
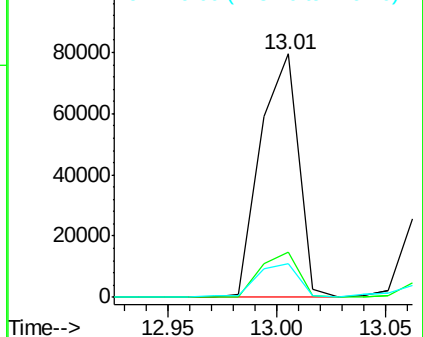
Tot Ion:	178	Resp:	97607
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.8	23.8
179	13.8	12.5	18.7

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 10.97 ng

RT: 14.48 min Scan# 1163

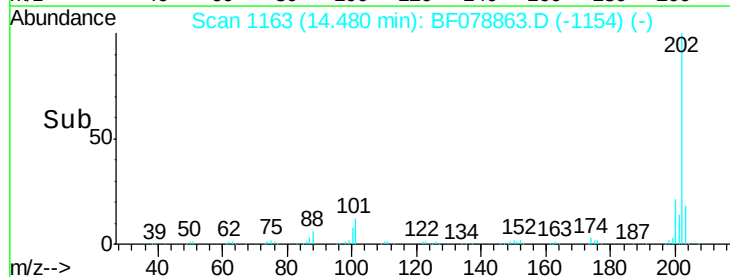
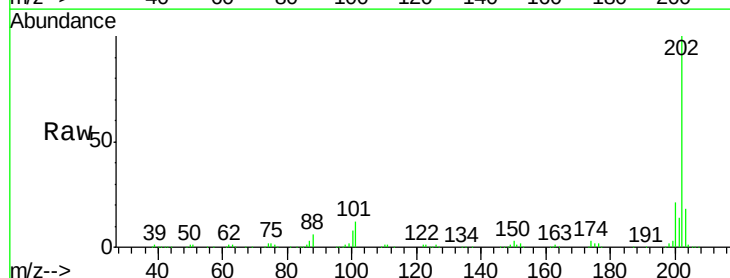
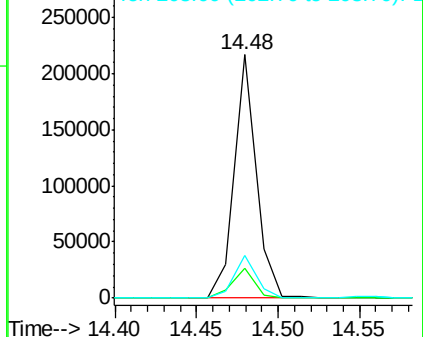
Delta R.T. -0.00 min

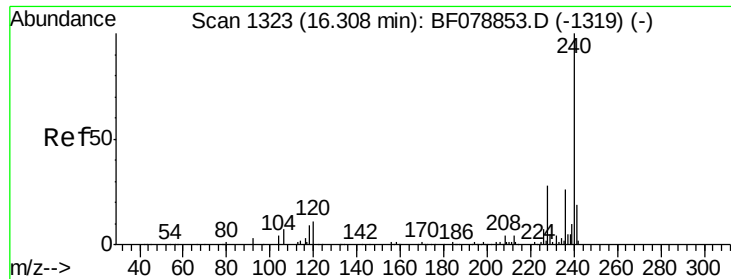
Lab File: BF078863.D

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Tgt Ion:	202	Resp:	201457
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	34.6
203	17.6	0.0	38.4

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.27 min Scan# 1320

Delta R.T. -0.00 min

Lab File: BF078863.D

Acq: 30 Apr 2015 22:44

Instrument :

BNA_F

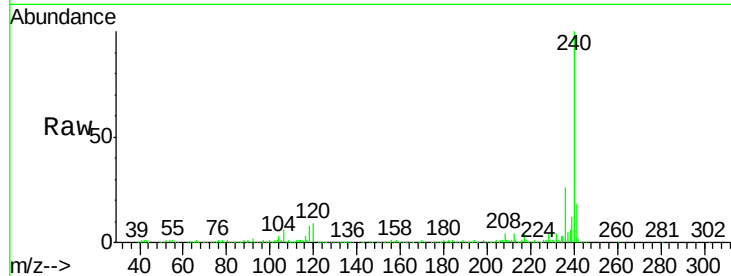
ClientSampleId :

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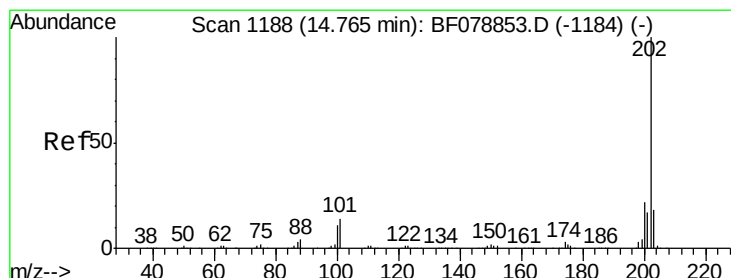
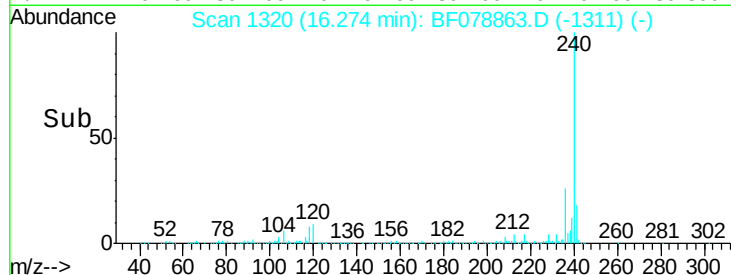
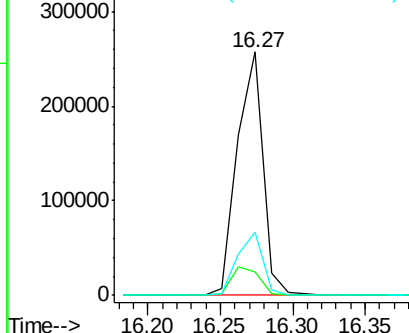
Tot Ion:	240	Resp:	316647
Ion Ratio	Lower	Upper	
240	100		
120	9.5	9.7	14.5#
236	25.7	20.2	30.4

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 10.97 ng

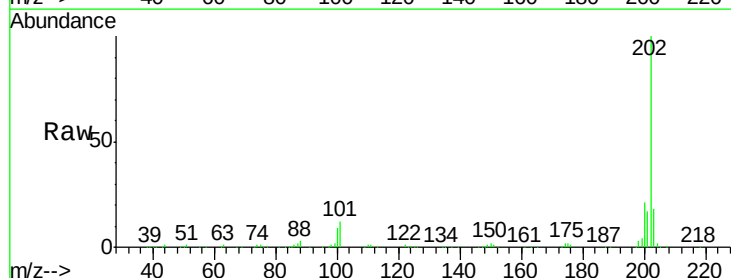
RT: 14.77 min Scan# 1188

Delta R.T. -0.00 min

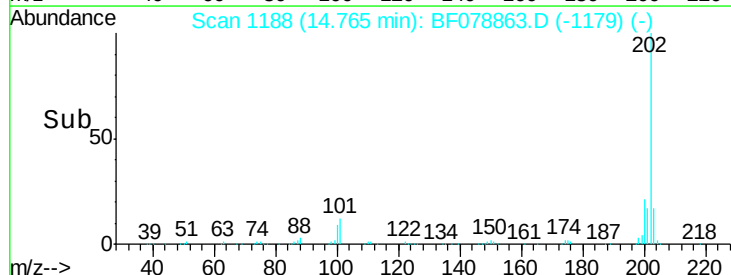
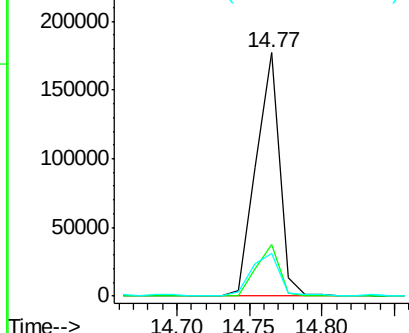
Lab File: BF078863.D

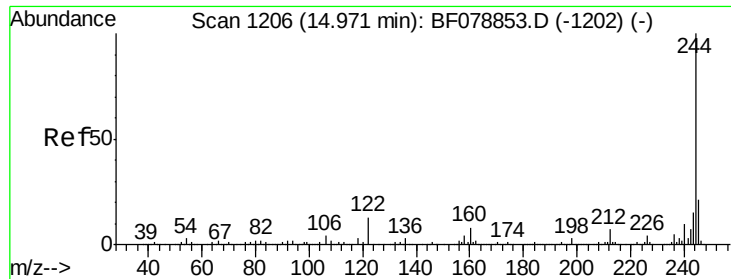
Acq: 30 Apr 2015 22:44

Tgt Ion:	202	Resp:	200131
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.5	26.3
203	17.6	13.9	20.9



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





#78

Terphenyl-d14

Concen: 30.06 ng

RT: 14.97 min Scan# 1206

Delta R.T. -0.00 min

Lab File: BF078863.D

Acq: 30 Apr 2015 22:44

Instrument :

BNA_F

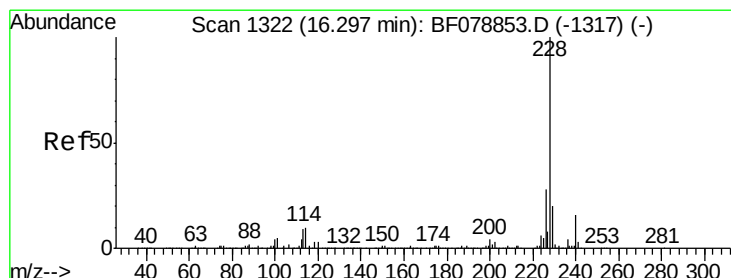
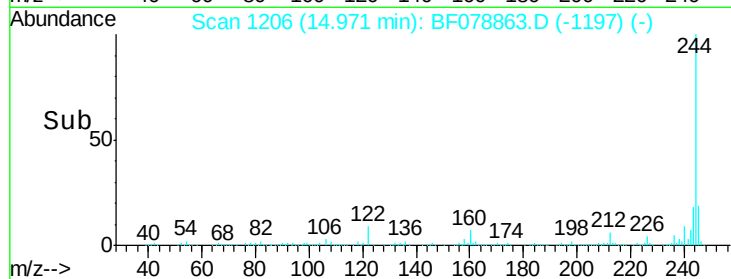
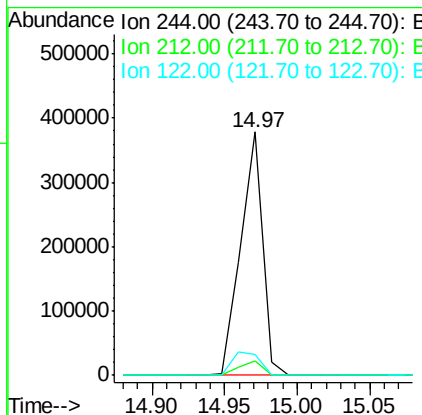
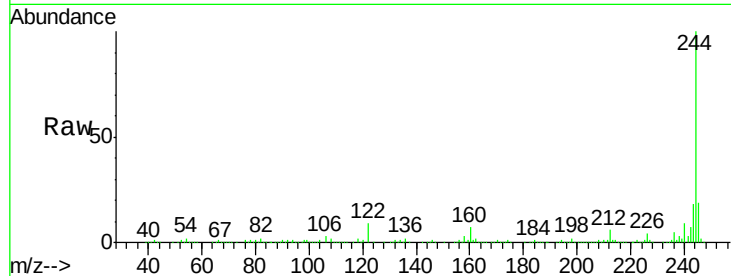
ClientSampled :

SB-59S

Tot Ion:	244	Resp:	397615
Ion Ratio	Lower	Upper	
244	100		
212	6.0	5.6	8.4
122	8.5	10.3	15.5#

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#80

Benzo(a)anthracene

Concen: 5.68 ng

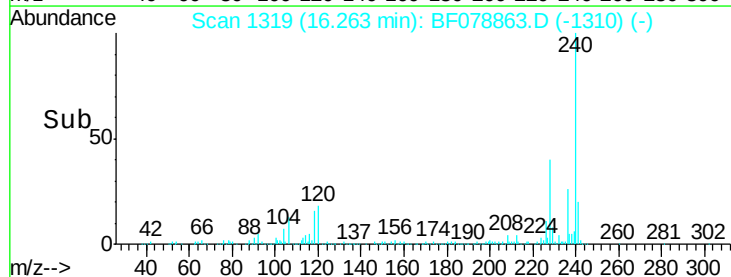
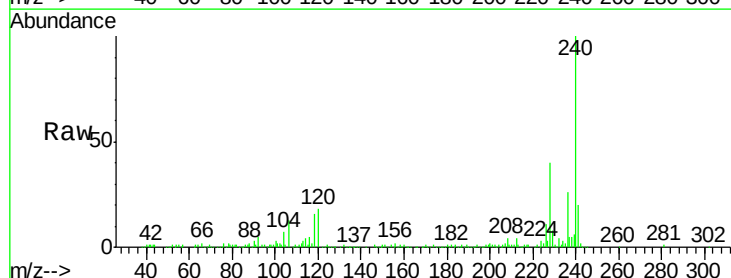
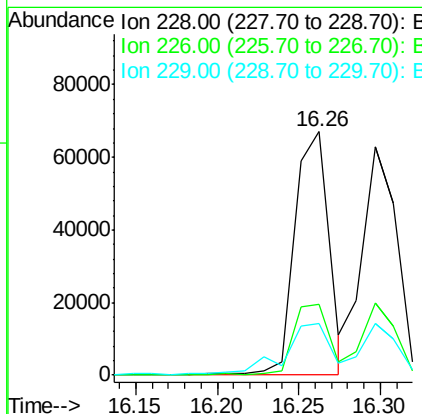
RT: 16.26 min Scan# 1319

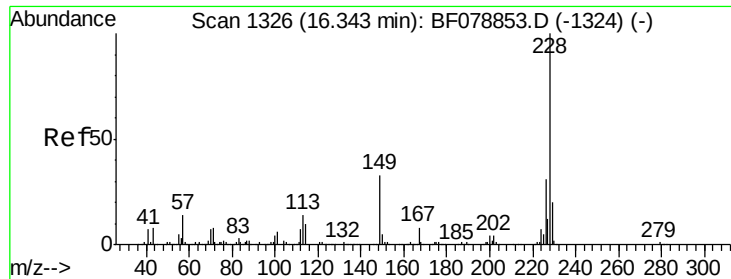
Delta R.T. -0.00 min

Lab File: BF078863.D

Acq: 30 Apr 2015 22:44

Tgt Ion:	228	Resp:	98446
Ion Ratio	Lower	Upper	
228	100		
226	28.9	22.6	33.8
229	20.9	15.9	23.9





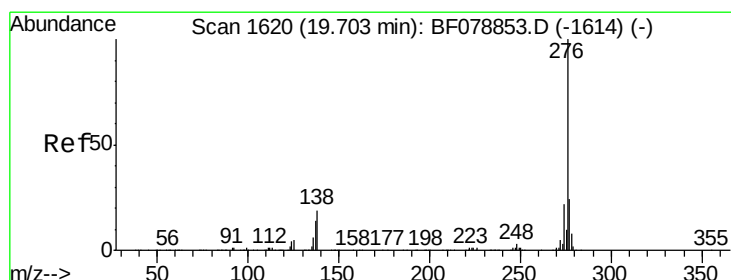
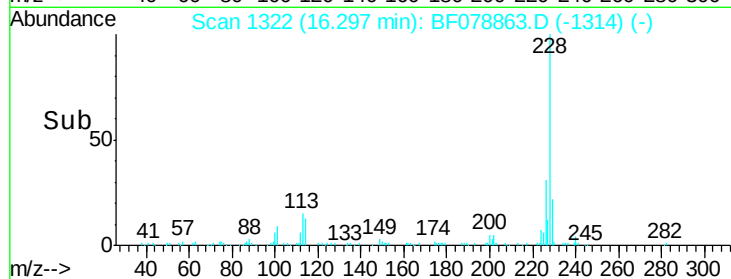
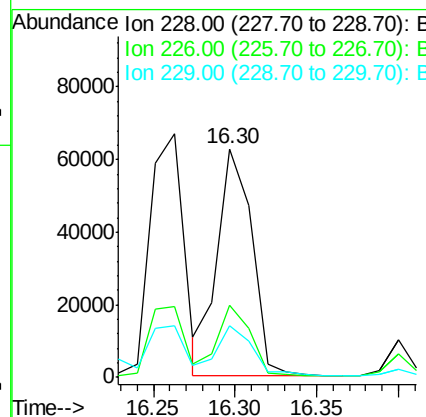
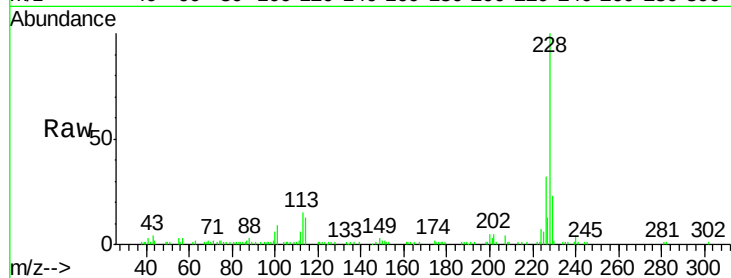
#82
 Chrysene
 Concen: 5.52 ng
 RT: 16.30 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF078863.D
 Acq: 30 Apr 2015 22:44

Instrument :
 BNA_F
 ClientSampleID :
 SB-59S

Tot Ion:	228	Resp:	92041
Ion Ratio	Lower	Upper	
228	100		
226	31.6	24.9	37.3
229	22.7	16.0	24.0

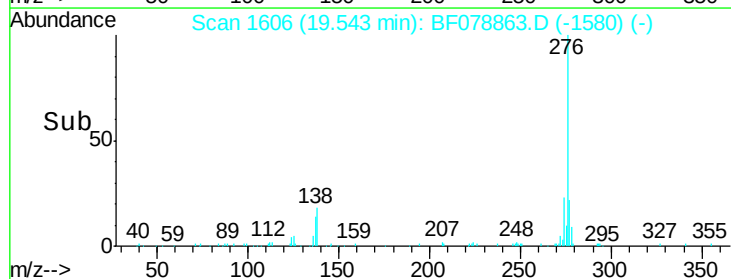
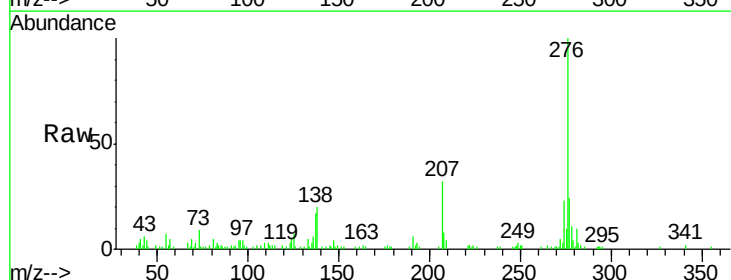
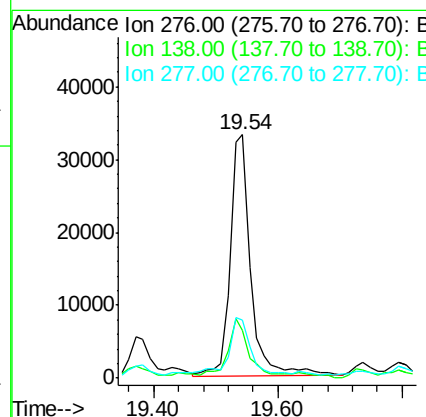
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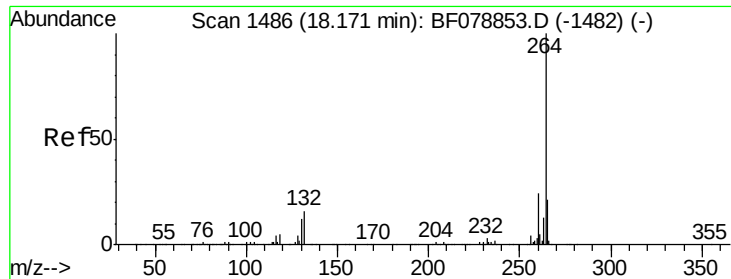
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.56 ng
 RT: 19.54 min Scan# 1606
 Delta R.T. -0.00 min
 Lab File: BF078863.D
 Acq: 30 Apr 2015 22:44

Tgt Ion:	276	Resp:	75659
Ion Ratio	Lower	Upper	
276	100		
138	21.3	0.0	0.0#
277	29.6	0.0	0.0#





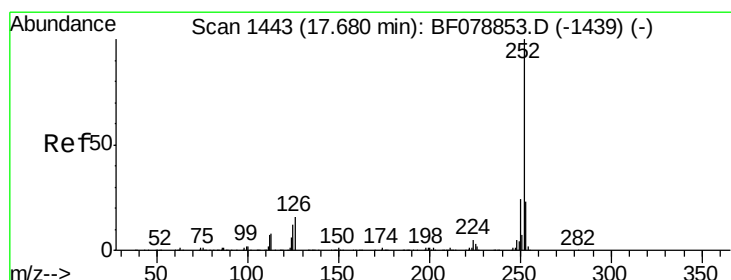
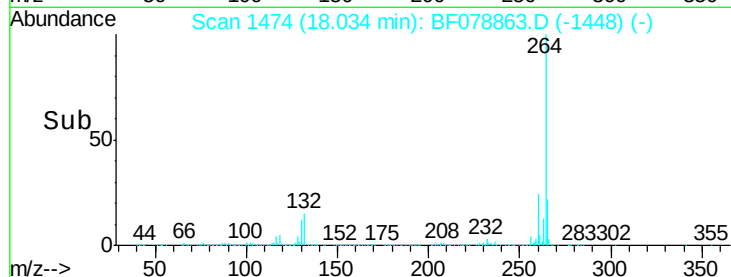
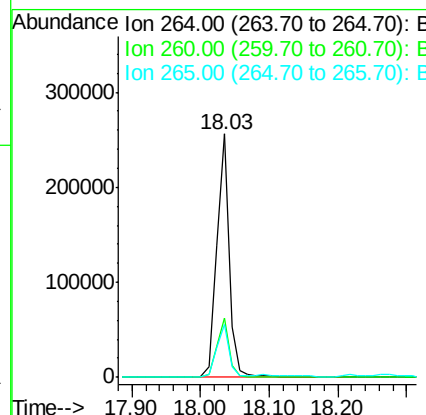
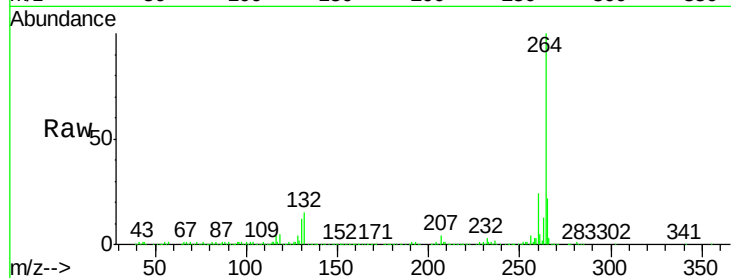
#86
Pervlene-d12
Concen: 20.00 ng
RT: 18.03 min Scan# 1474
Delta R.T. -0.00 min
Lab File: BF078863.D
Acq: 30 Apr 2015 22:44

Instrument :
BNA_F
ClientSampleId :
SB-59S

Tot Ion	Ratio	Resp	Lower	Upper
264	100	330212		
260	24.1		19.4	29.2
265	22.0		18.3	27.5

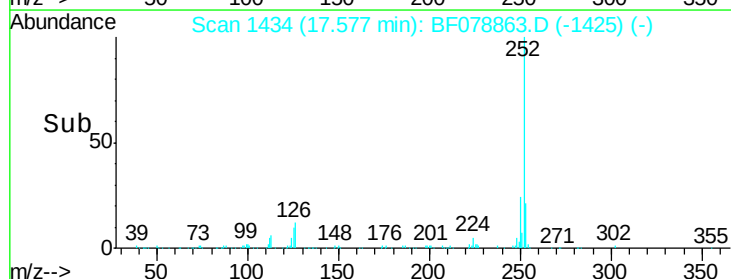
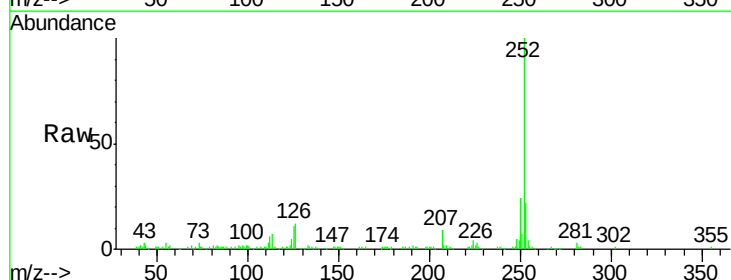
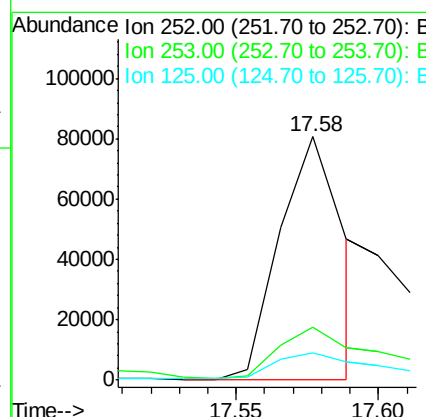
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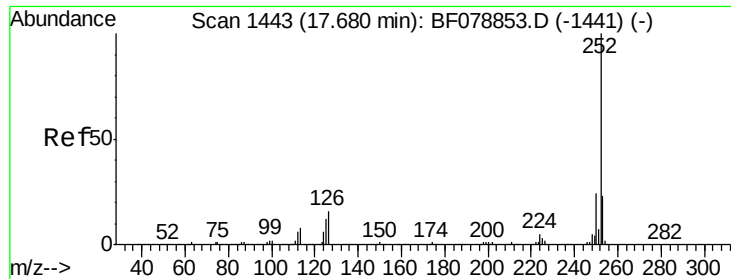
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#87
Benzo(b)fluoranthene
Concen: 6.90 ng m
RT: 17.58 min Scan# 1434
Delta R.T. -0.00 min
Lab File: BF078863.D
Acq: 30 Apr 2015 22:44

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	124754		
253	21.6		17.7	26.5
125	11.0		9.5	14.3





#88

Benzo(k)fluoranthene

Concen: 3.06 ng

RT: 17.59 min Scan# 1435

Delta R.T. -0.02 min

Lab File: BF078863.D

Acq: 30 Apr 2015 22:44

Instrument :

BNA_F

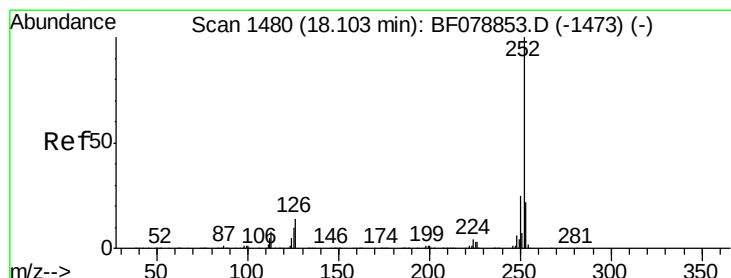
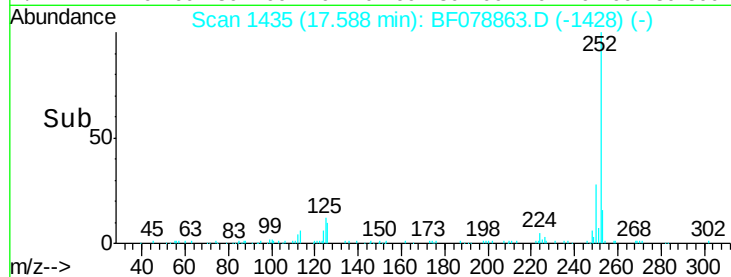
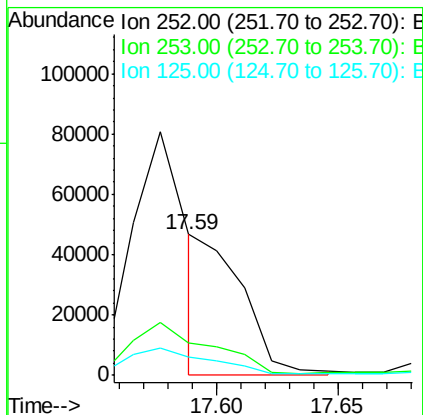
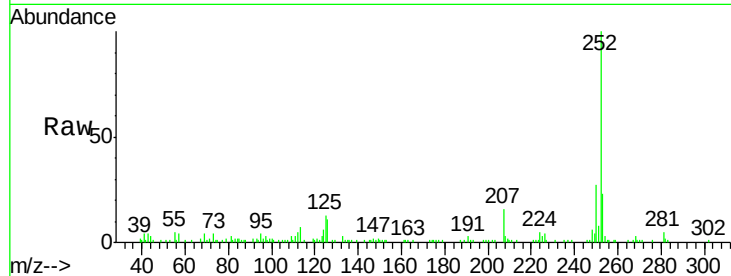
ClientSampleId :

SB-59S

Tot Ion:	252	Resp:	53473
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.1	27.1
125	12.7	10.0	15.0

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#89

Benzo(a)pyrene

Concen: 6.16 ng

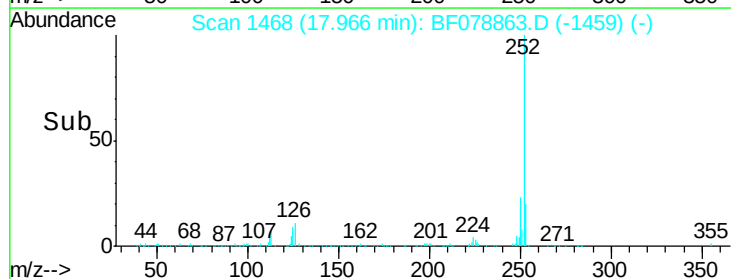
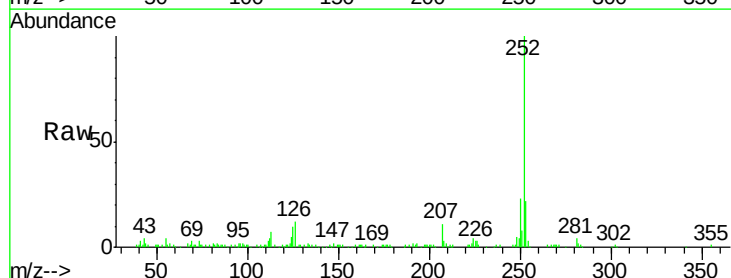
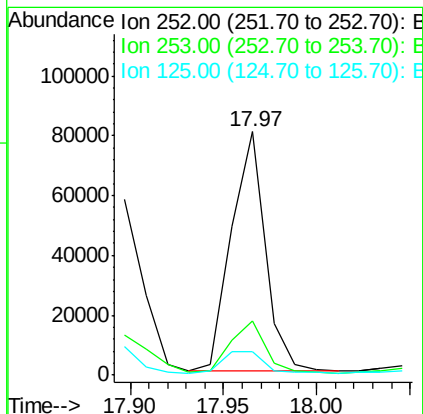
RT: 17.97 min Scan# 1468

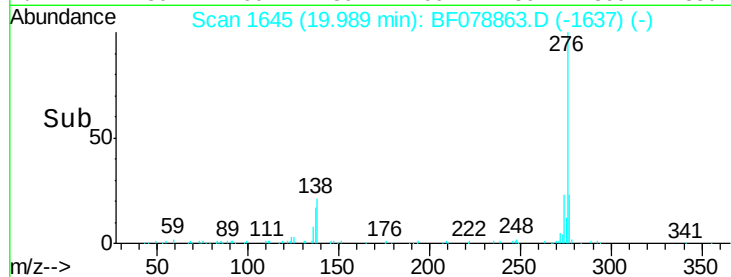
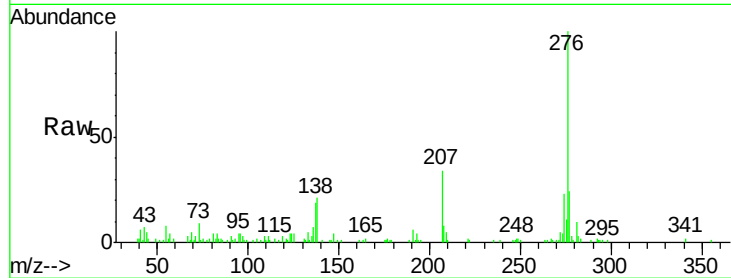
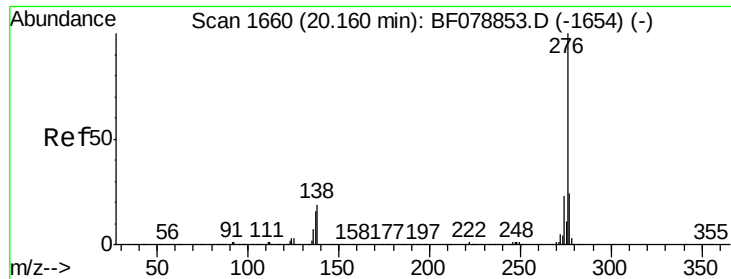
Delta R.T. -0.00 min

Lab File: BF078863.D

Acq: 30 Apr 2015 22:44

Tgt Ion:	252	Resp:	102482
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.3	25.9
125	9.8	7.0	10.6





#91

Benzo(a,h,i)perylene

Concen: 4.14 ng

RT: 19.99 min Scan# 1645

Delta R.T. -0.01 min

Lab File: BF078863.D

Acq: 30 Apr 2015 22:44

Tot Ion:	276	Resp:	73317
Ion Ratio	Lower	Upper	
276	100		
277	24.1	18.6	28.0
138	21.0	17.4	26.0

Instrument :

BNA_F

ClientSampleId :

SB-59S

Manual Integrations
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