

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
 Data File : BF078963.D
 Acq On : 6 May 2015 16:34
 Operator : TP/IZ
 Sample : G2116-02 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-59AS

Manual Integrations
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Quant Time: May 07 01:55:24 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 07 00:45:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	77594	20.00	ng	0.00
21) Naphthalene-d8	8.92	136	318112	20.00	ng	0.00
38) Acenaphthene-d10	11.10	164	152844	20.00	ng	0.00
63) Phenanthrene-d10	12.95	188	306969	20.00	ng	0.00
75) Chrysene-d12	16.29	240	335309	20.00	ng	-0.02
86) Perylene-d12	18.17	264	364710	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	216389	48.00	ng	0.01
7) Phenol-d6	6.89	99	288470	48.41	ng	0.00
23) Nitrobenzene-d5	8.03	82	163043	29.46	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	79142	47.86	ng	0.00
44) 2-Fluorobiphenyl	10.27	172	307116	27.99	ng	0.00
78) Terphenyl-d14	14.95	244	363611	25.96	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	10.92	152	38844	2.50	ng	98
70) Phenanthrene	12.98	178	223549	13.02	ng	98
71) Anthracene	13.04	178	61163	3.63	ng	97
74) Fluoranthene	14.46	202	408686	22.84	ng	97
77) Pyrene	14.74	202	425038	22.00	ng	99
80) Benzo(a)anthracene	16.27	228	240222	13.08	ng	# 92
82) Chrysene	16.32	228	199609	11.30	ng	97
85) Indeno(1,2,3-cd)pyrene	19.68	276	165755	7.37	ng	# 100
87) Benzo(b)fluoranthene	17.68	252	318679m	15.96	ng	
88) Benzo(k)fluoranthene	17.71	252	81911m	4.24	ng	
89) Benzo(a)pyrene	18.09	252	224558	12.22	ng	# 94
91) Benzo(a,h,i)perylene	20.14	276	159686	8.16	ng	99

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

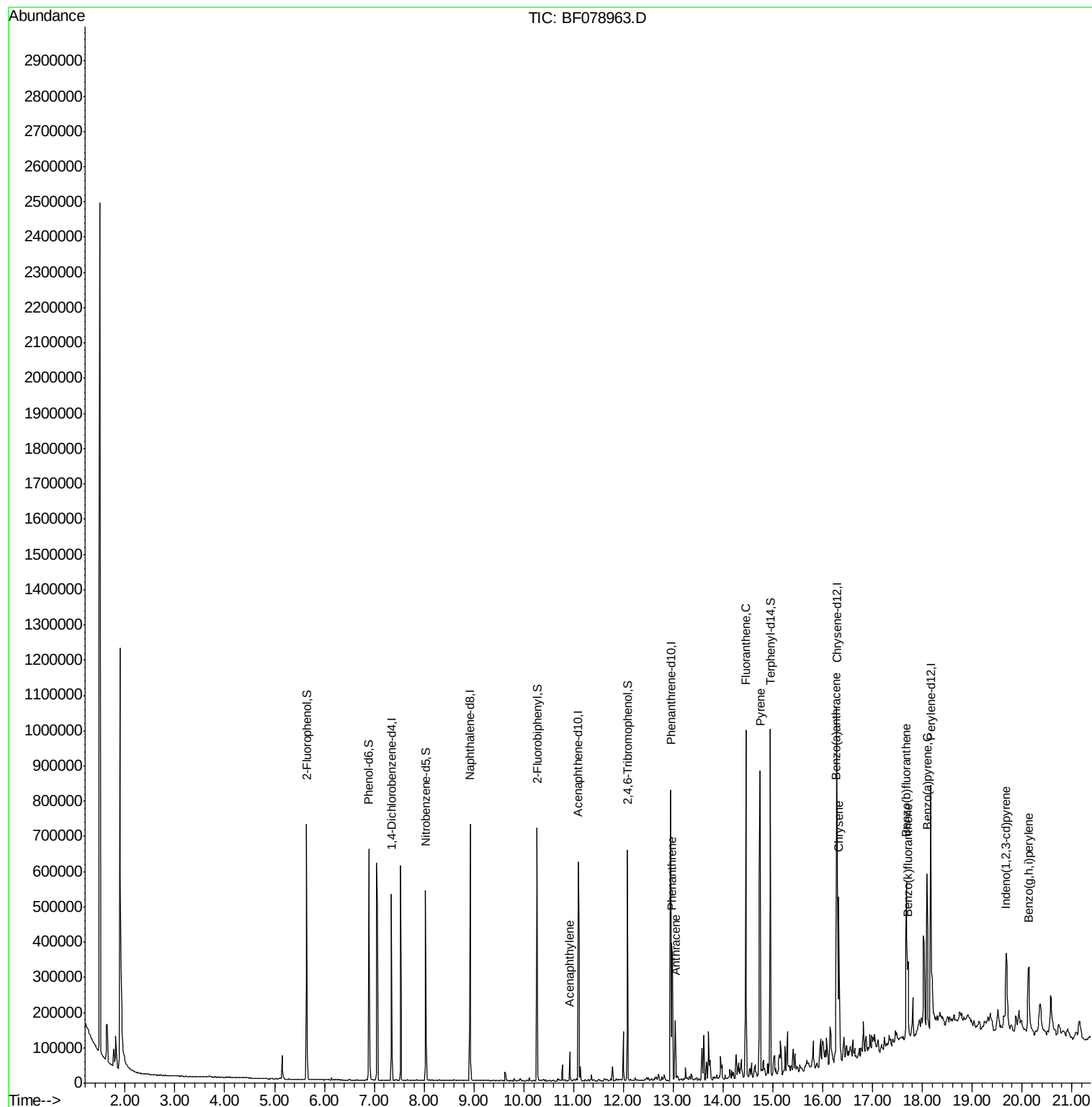
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
Data File : BF078963.D
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Misc :
ALS Vial : 13 Sample Multiplier: 1

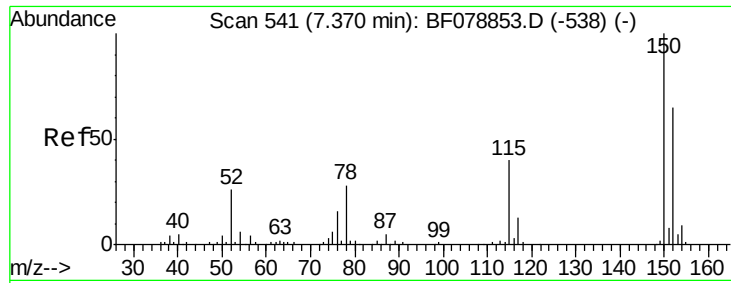
Instrument :
BNA_F
ClientSampleId :
SB-59AS

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Quant Time: May 07 01:55:24 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 07 00:45:56 2015
Response via : Initial Calibration





#1

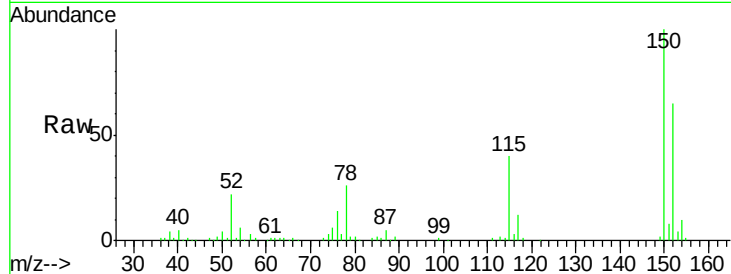
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.35 min Scan# 539
Delta R.T. 0.00 min
Lab File: BF078963.D
Acq: 6 May 2015 16:34

Instrument :
BNA_F
ClientSampleId :
SB-59AS

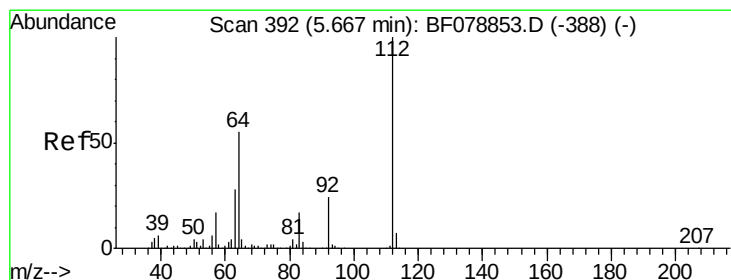
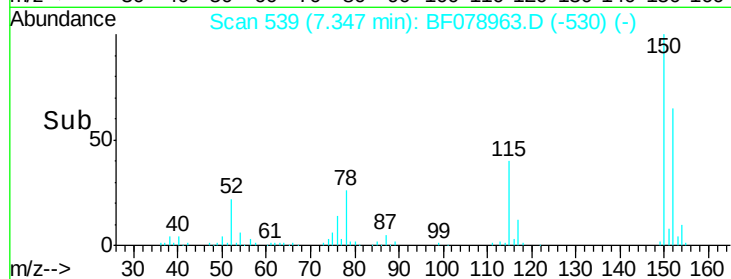
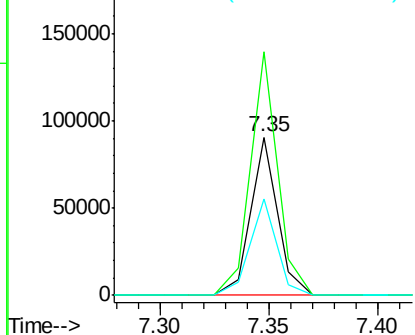
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	122.0	183.0
115	60.9	46.3	69.5

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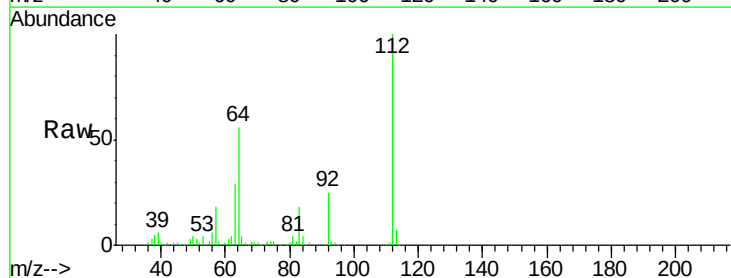
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



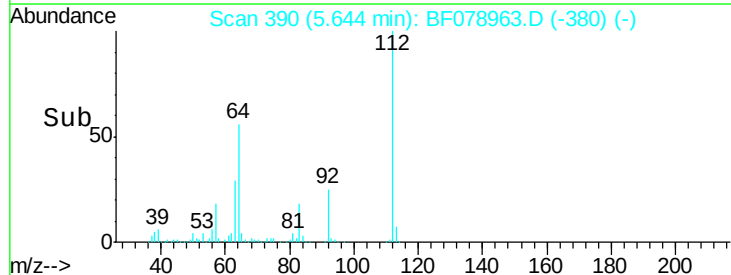
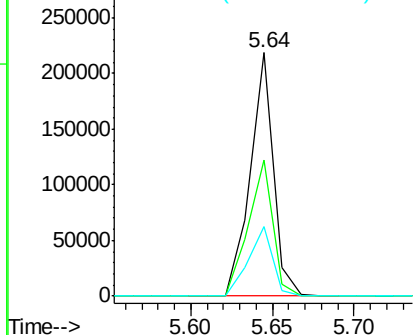
#5

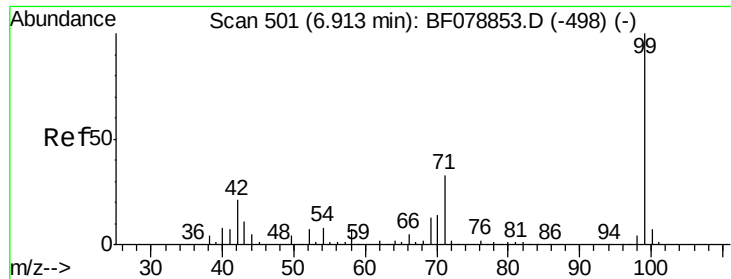
2-Fluorophenol
Concen: 48.00 ng
RT: 5.64 min Scan# 390
Delta R.T. 0.01 min
Lab File: BF078963.D
Acq: 6 May 2015 16:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	53.5	80.3
63	28.5	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: 48.41 ng

RT: 6.89 min Scan# 499

Delta R.T. 0.00 min

Lab File: BF078963.D

Acq: 6 May 2015 16:34

Instrument :

BNA_F

ClientSampleId :

SB-59AS

Tot Ion: 99 Resp: 288470

Ion Ratio Lower Upper

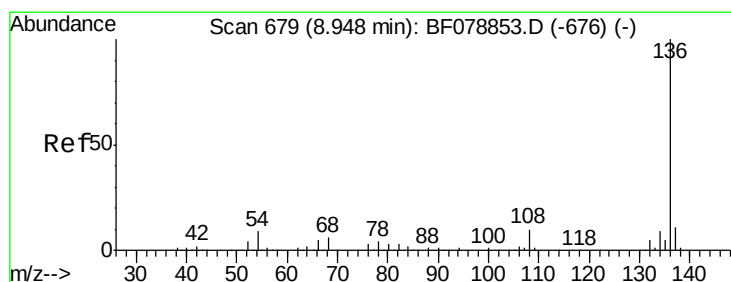
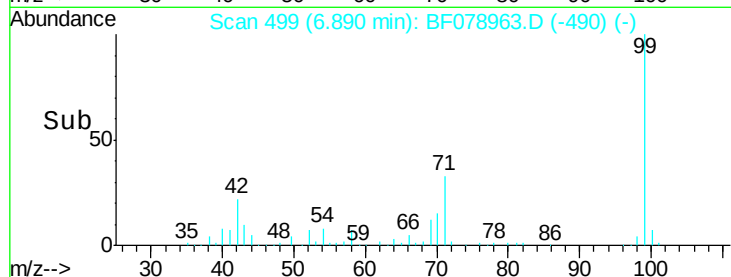
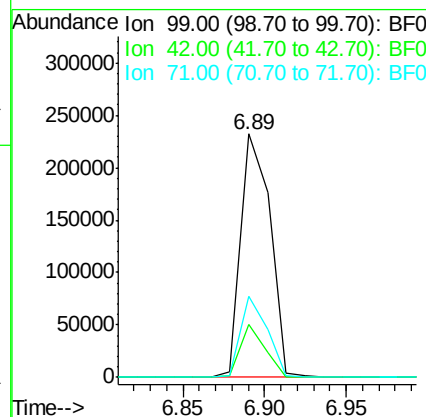
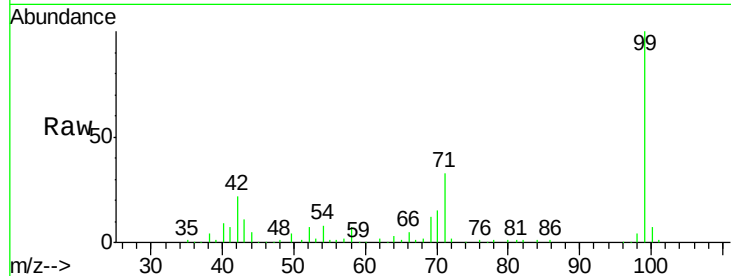
99 100

42 21.6 12.8 19.2#

71 33.2 23.4 35.2

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.92 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF078963.D

Acq: 6 May 2015 16:34

Tgt Ion: 136 Resp: 318112

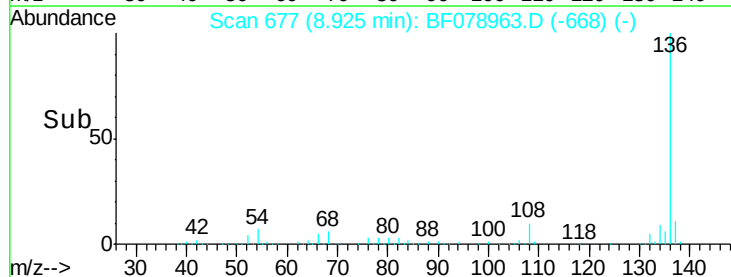
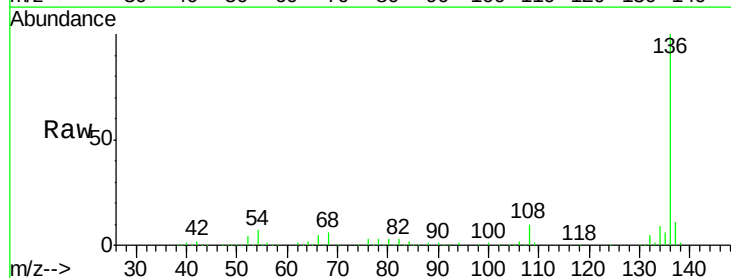
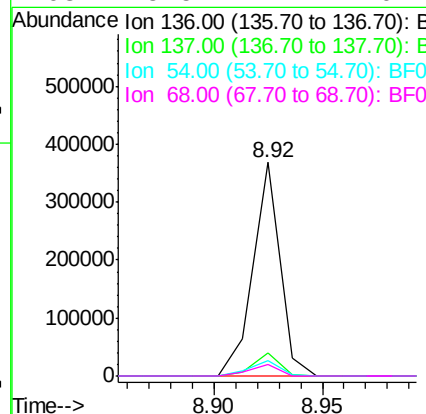
Ion Ratio Lower Upper

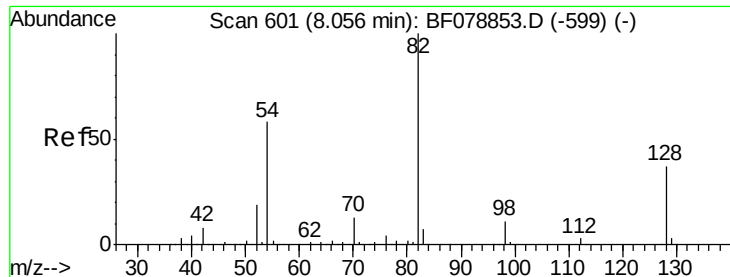
136 100

137 10.9 8.7 13.1

54 7.4 5.8 8.8

68 5.5 4.2 6.4





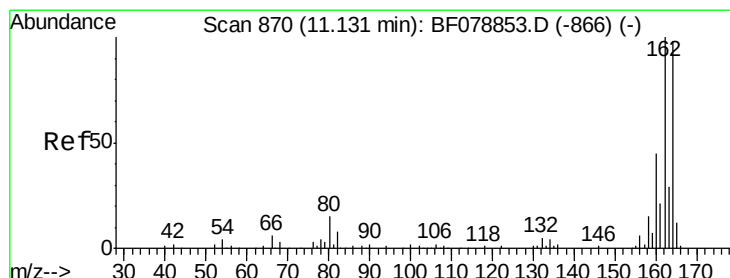
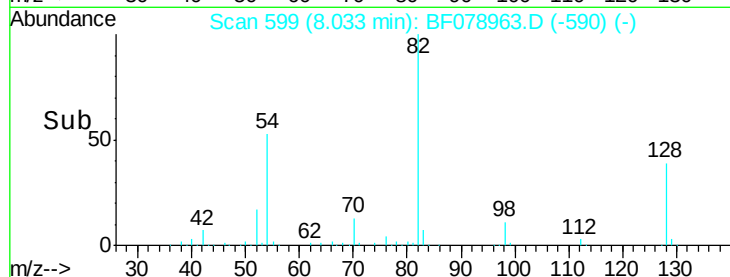
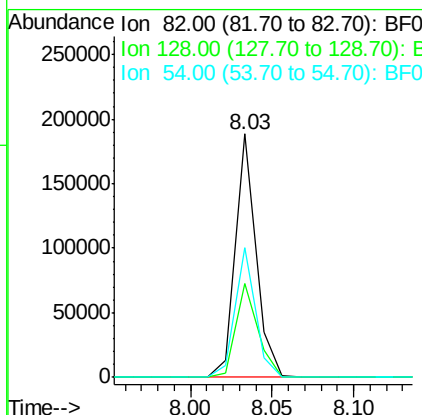
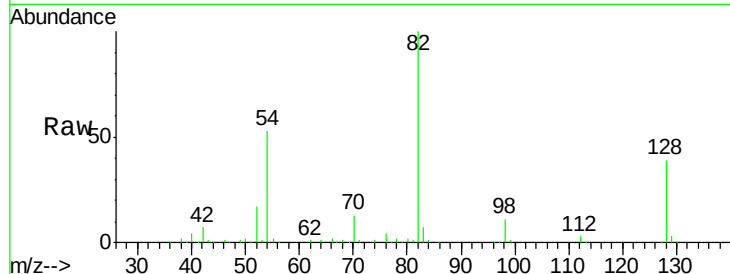
#23
 Nitrobenzene-d5
 Concen: 29.46 ng
 RT: 8.03 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: BF078963.D
 Acq: 6 May 2015 16:34

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
82	100	163043		
128	38.7	30.0	45.0	
54	53.3	46.4	69.6	

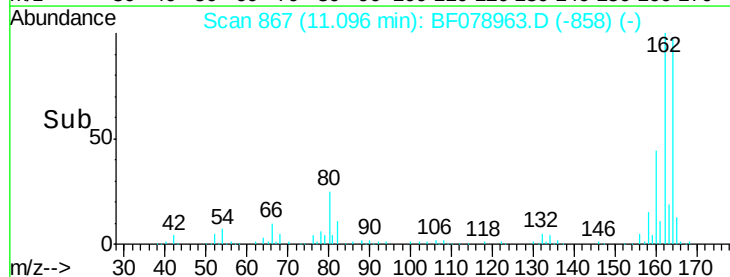
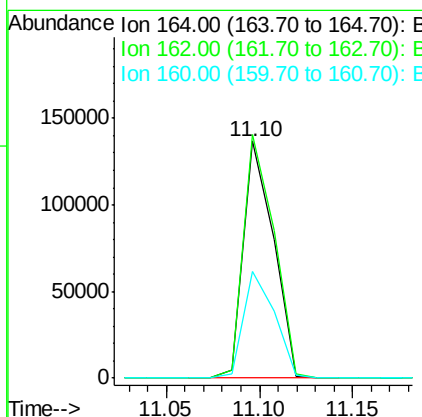
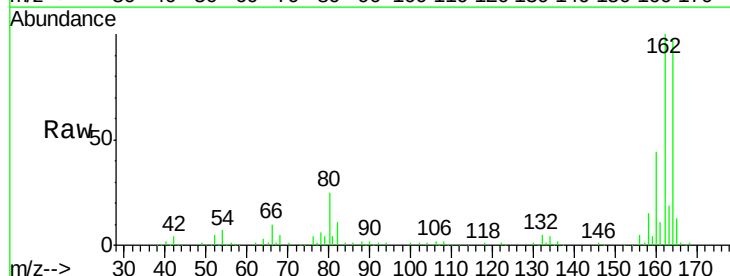
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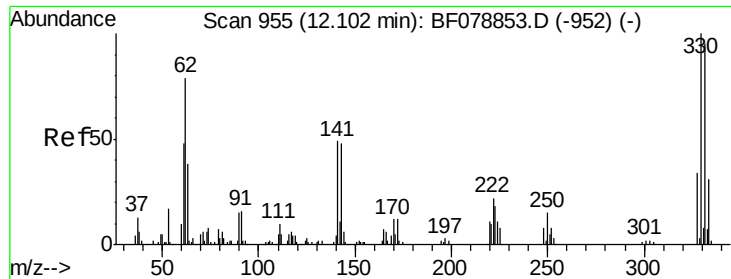
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: BF078963.D
 Acq: 6 May 2015 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	152844		
162	102.7	82.7	124.1	
160	45.0	35.8	53.8	





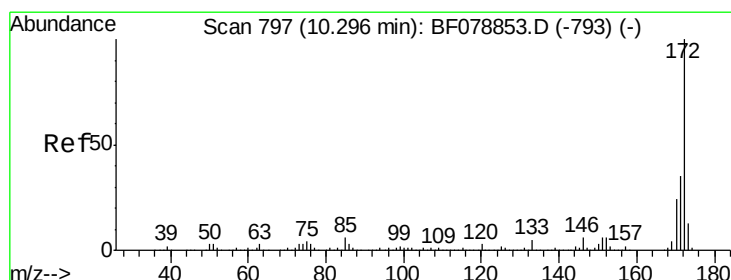
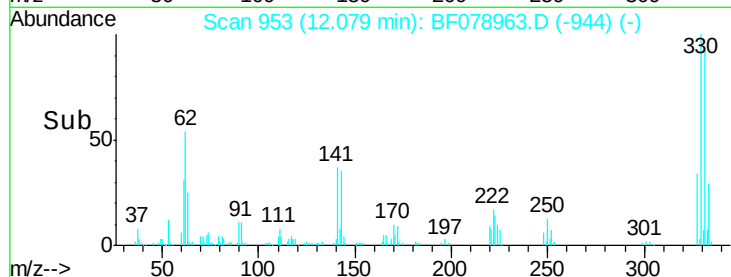
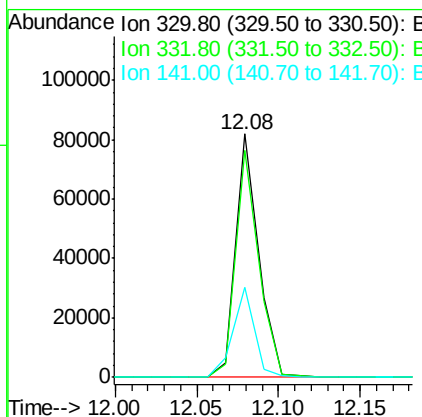
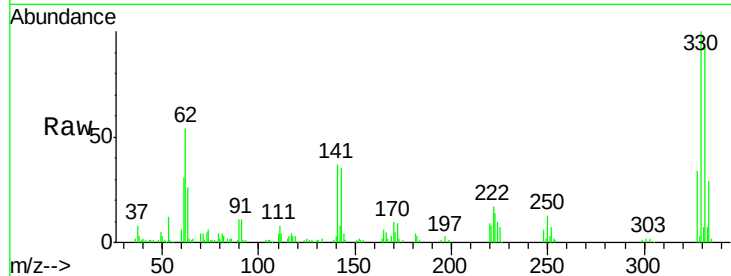
#41
 2,4,6-Tribromophenol
 Concen: 47.86 ng
 RT: 12.08 min Scan# 953
 Delta R.T. 0.00 min
 Lab File: BF078963.D
 Acq: 6 May 2015 16:34

Instrument :
 BNA_F
 ClientSampled :
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Tot Ion	Ratio	Resp	Lower	Upper
330	100	79142		
332	93.8	0.0	0.0	0.0
141	34.8	0.0	0.0	0.0

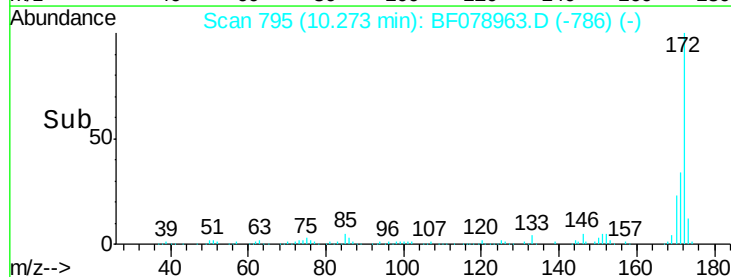
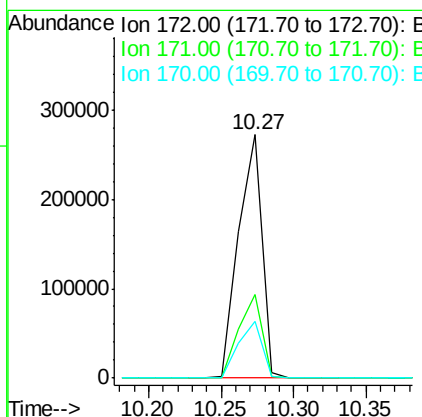
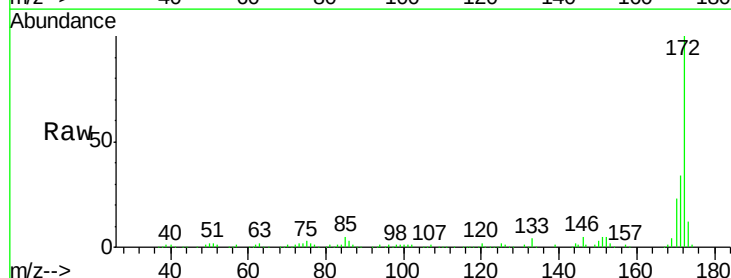
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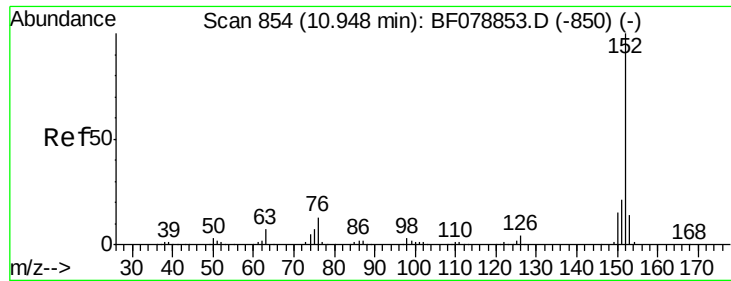
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#44
 2-Fluorobiphenyl
 Concen: 27.99 ng
 RT: 10.27 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: BF078963.D
 Acq: 6 May 2015 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	307116		
171	34.4	27.9	41.9	
170	23.2	19.4	29.0	





#48

Acenaphthylene

Concen: 2.50 ng

RT: 10.92 min Scan# 852

Delta R.T. 0.00 min

Lab File: BF078963.D

Acq: 6 May 2015 16:34

Instrument :

BNA_F

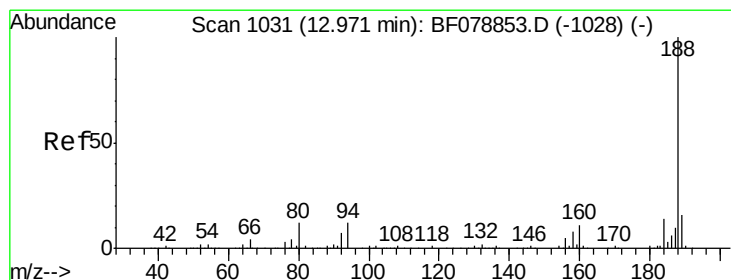
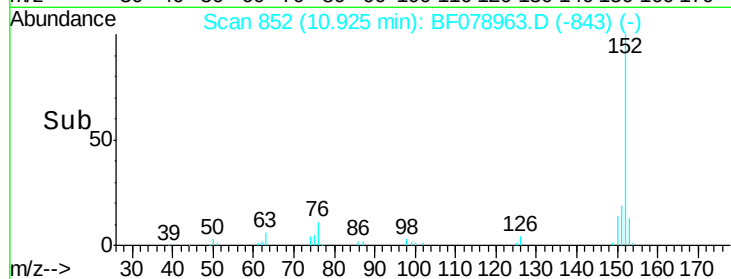
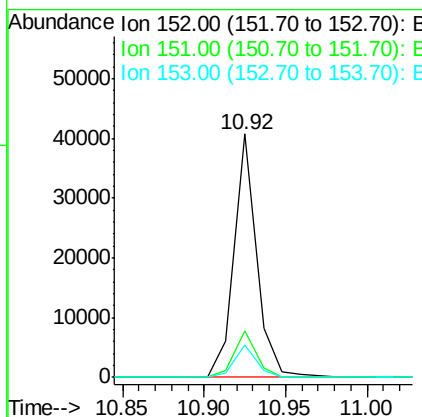
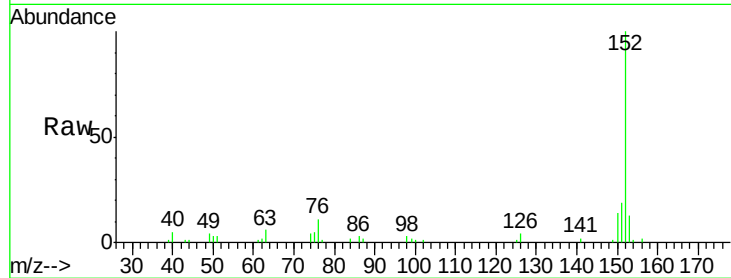
ClientSampled :

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Tot Ion:	152	Resp:	38844
Ion Ratio	Lower	Upper	
152	100		
151	19.1	16.2	24.4
153	13.2	10.9	16.3

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#63

Phenanthrene-d10

Concen: 20.00 ng

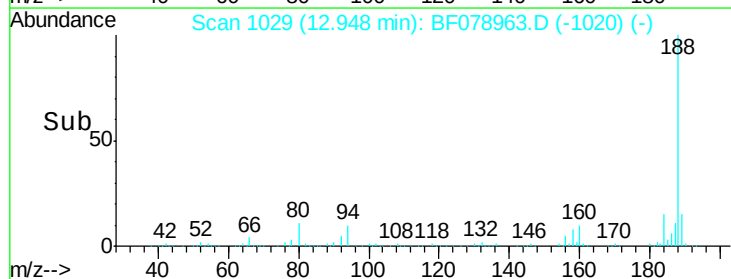
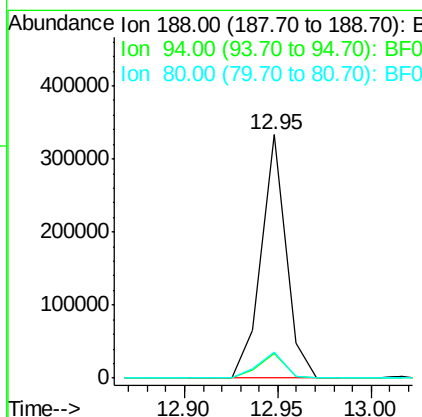
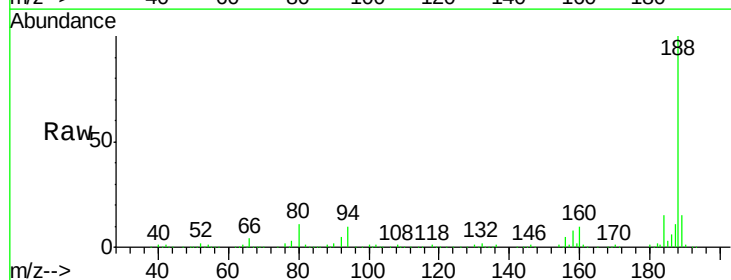
RT: 12.95 min Scan# 1029

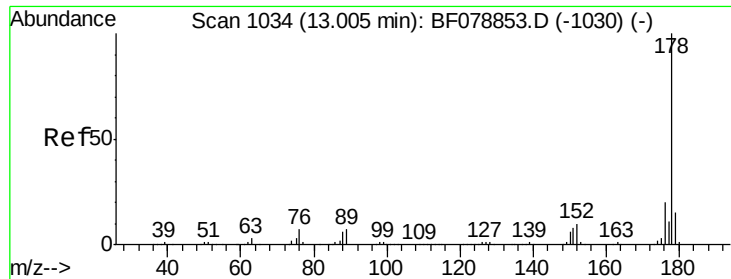
Delta R.T. 0.00 min

Lab File: BF078963.D

Acq: 6 May 2015 16:34

Tgt Ion:	188	Resp:	306969
Ion Ratio	Lower	Upper	
188	100		
94	9.9	8.2	12.2
80	10.7	8.9	13.3





#70

Phenanthrene

Concen: 13.02 ng

RT: 12.98 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF078963.D

Acq: 6 May 2015 16:34

Instrument :

BNA_F

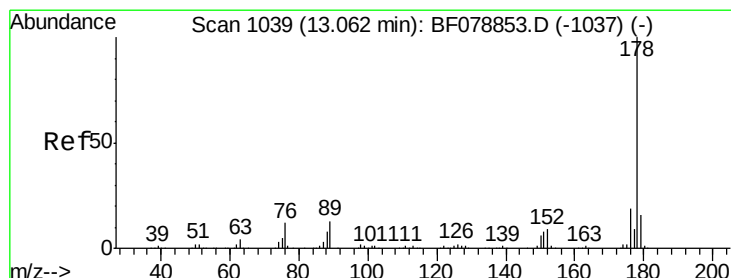
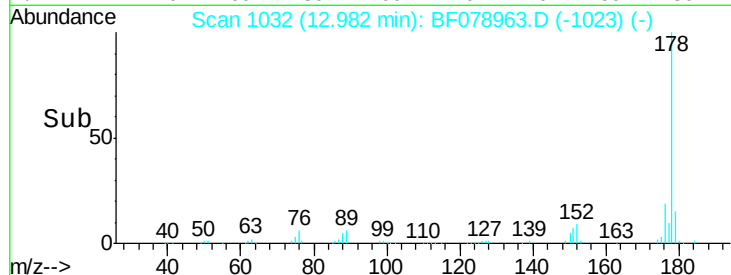
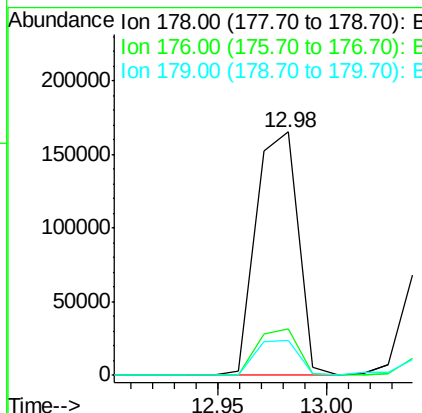
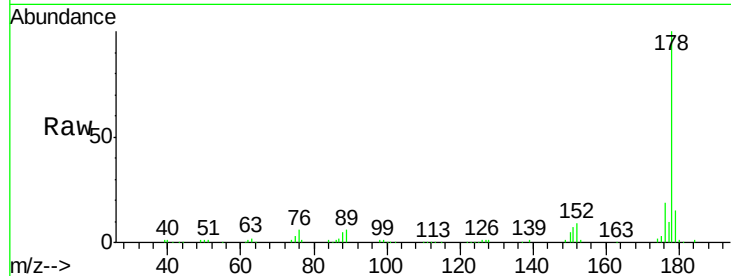
ClientSampleId :

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Tot Ion:	178	Resp:	223549
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.8	23.8
179	14.6	12.5	18.7

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#71

Anthracene

Concen: 3.63 ng

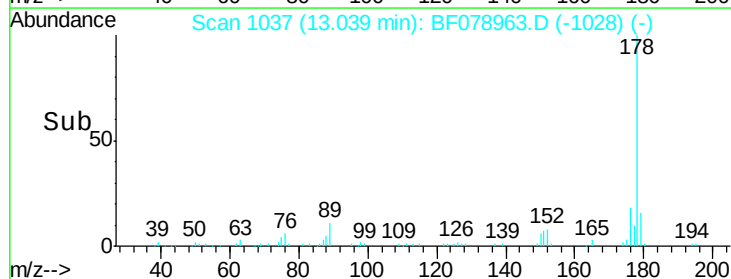
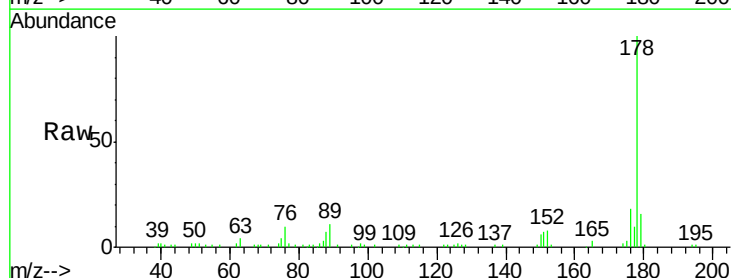
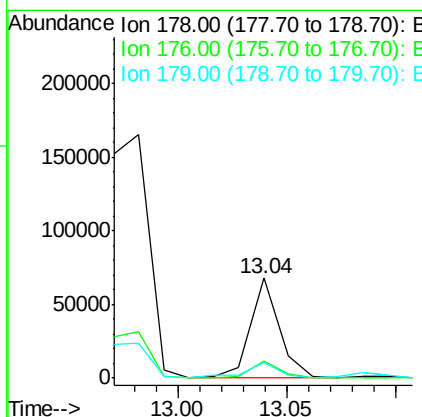
RT: 13.04 min Scan# 1037

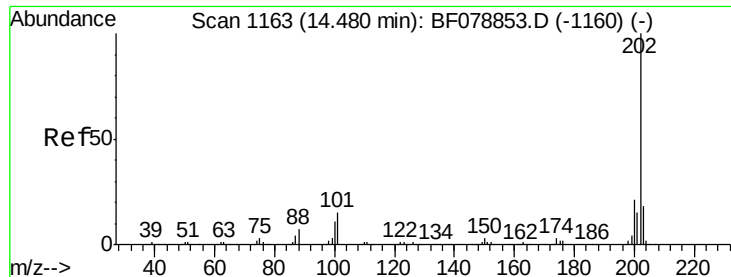
Delta R.T. 0.00 min

Lab File: BF078963.D

Acq: 6 May 2015 16:34

Tgt Ion:	178	Resp:	61163
Ion Ratio	Lower	Upper	
178	100		
176	17.5	15.5	23.3
179	16.2	12.7	19.1





#74

Fluoranthene

Concen: 22.84 ng

RT: 14.46 min Scan# 1161

Delta R.T. 0.00 min

Lab File: BF078963.D

Acq: 6 May 2015 16:34

Instrument :

BNA_F

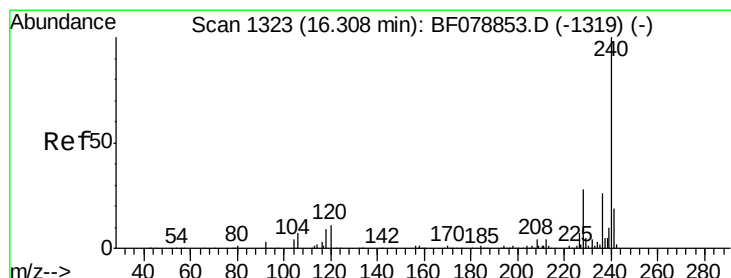
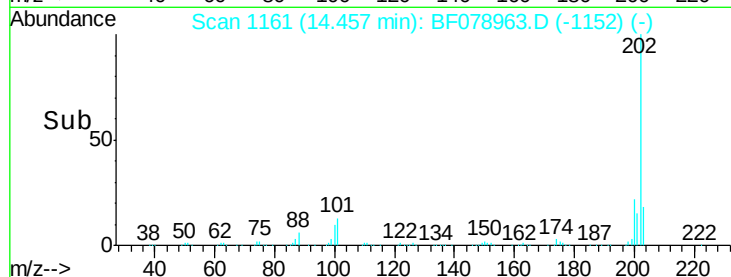
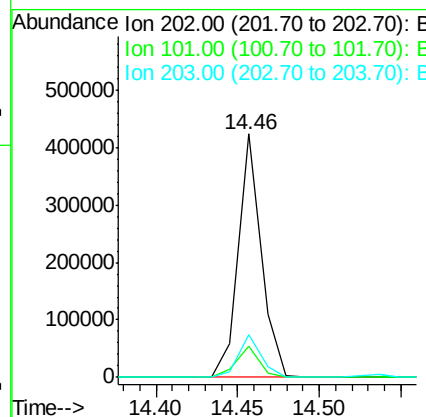
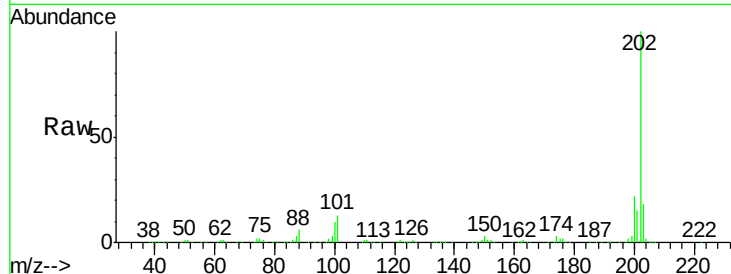
ClientSampled :

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Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.0	0.0	34.6
203	17.7	0.0	38.4

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#75

Chrysene-d12

Concen: 20.00 ng

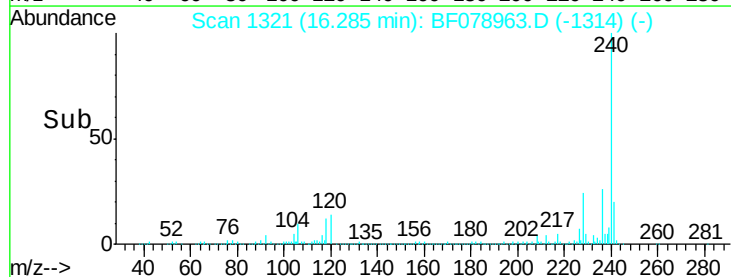
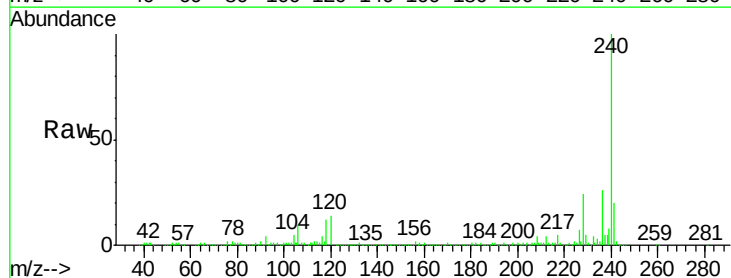
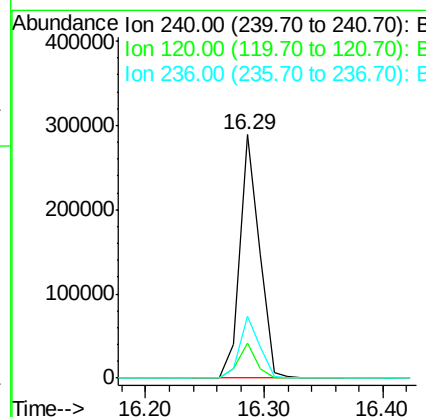
RT: 16.29 min Scan# 1321

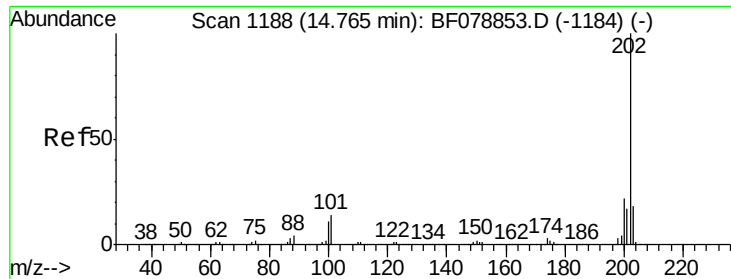
Delta R.T. -0.02 min

Lab File: BF078963.D

Acq: 6 May 2015 16:34

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.2	9.7	14.5
236	25.6	20.2	30.4





#77

Pvrene

Concen: 22.00 ng

RT: 14.74 min Scan# 1186

Delta R.T. 0.00 min

Lab File: BF078963.D

Acq: 6 May 2015 16:34

Instrument :

BNA_F

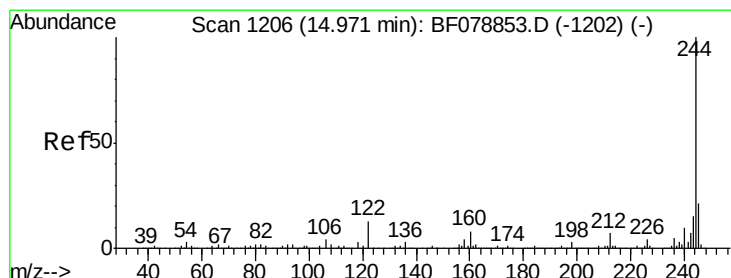
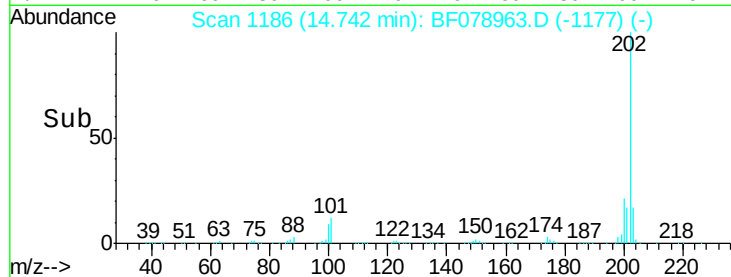
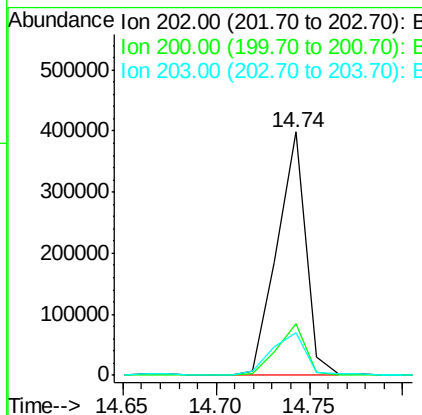
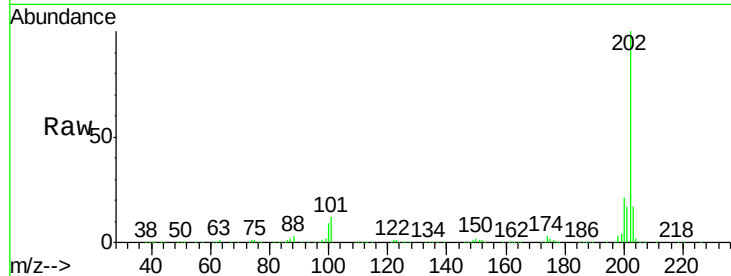
ClientSampled :

SB-59AS

Tot Ion:	202	Resp:	425038
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.5	26.3
203	17.4	13.9	20.9

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#78

Terphenyl-d14

Concen: 25.96 ng

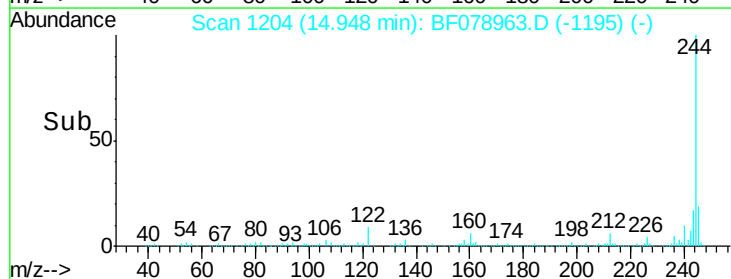
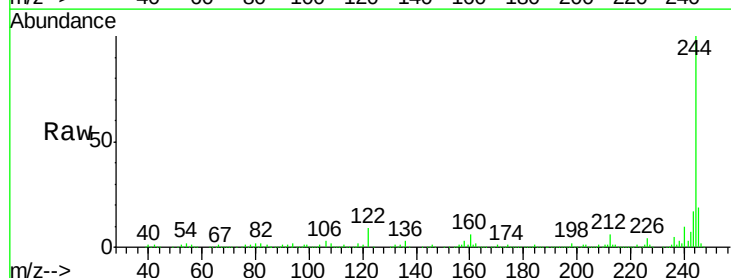
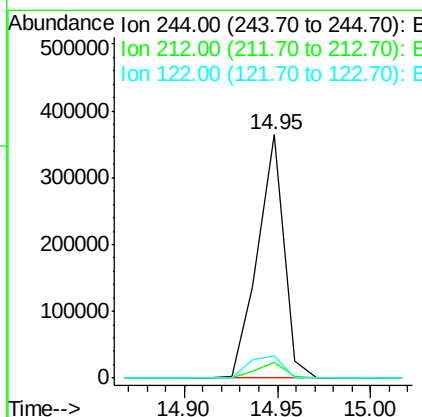
RT: 14.95 min Scan# 1204

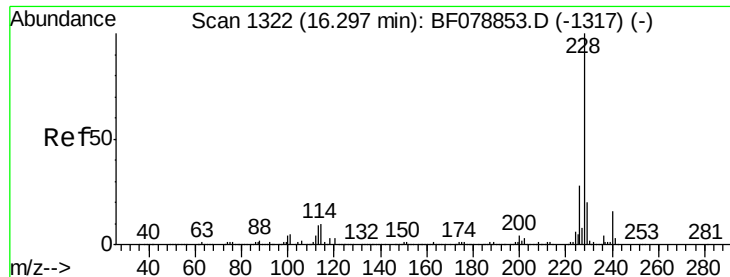
Delta R.T. 0.00 min

Lab File: BF078963.D

Acq: 6 May 2015 16:34

Tgt Ion:	244	Resp:	363611
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.6	8.4
122	8.9	10.3	15.5





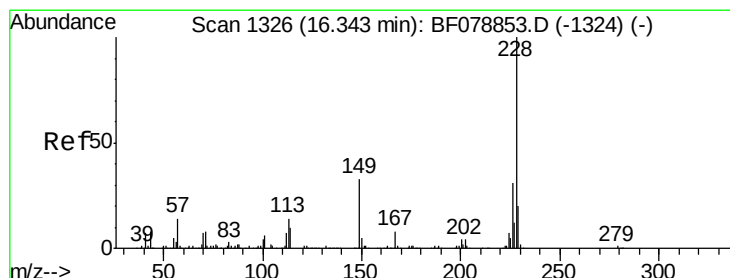
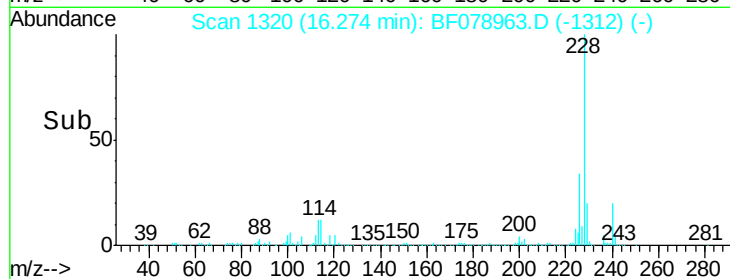
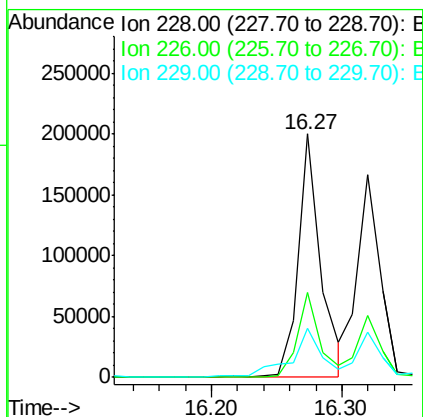
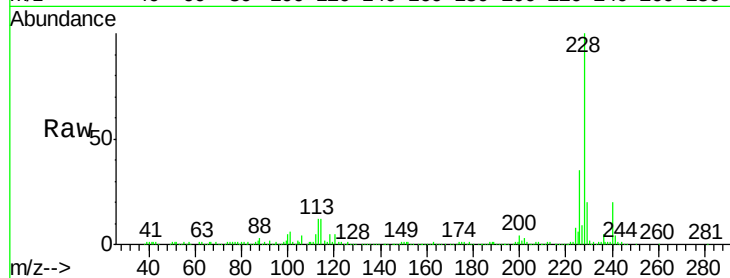
#80
Benzo(a)anthracene
Concen: 13.08 ng
RT: 16.27 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF078963.D
Acq: 6 May 2015 16:34

Instrument :
BNA_F
ClientSampled :
SB-59AS

Tot Ion	Ratio	Resp	Lower	Upper
228	100	240222		
226	34.6	22.6	33.8#	
229	20.3	15.9	23.9	

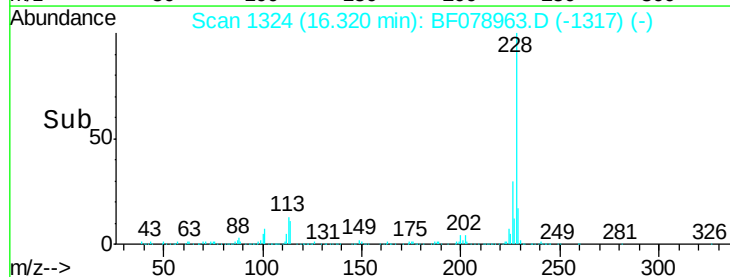
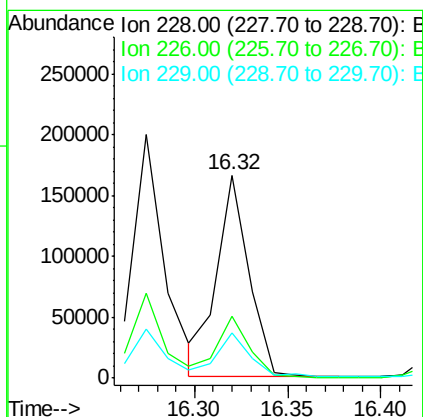
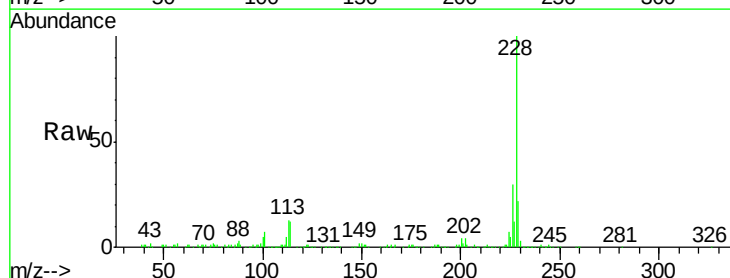
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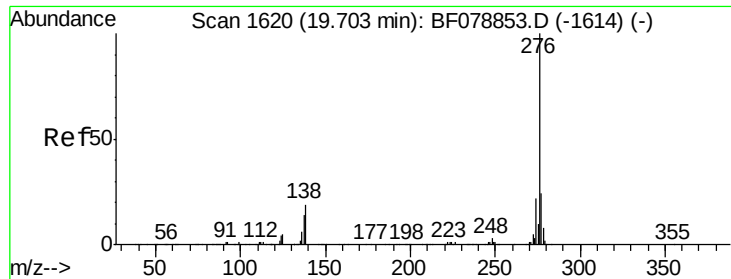
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#82
Chrysene
Concen: 11.30 ng
RT: 16.32 min Scan# 1324
Delta R.T. -0.02 min
Lab File: BF078963.D
Acq: 6 May 2015 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	199609		
226	30.2	24.9	37.3	
229	22.0	16.0	24.0	





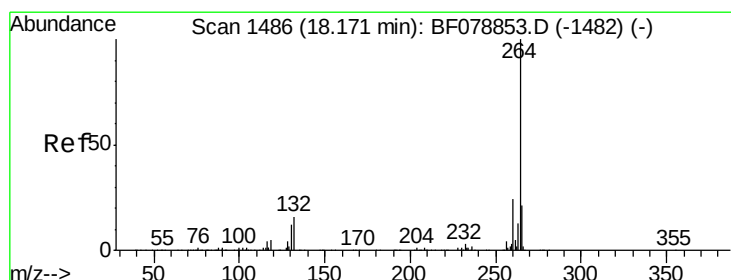
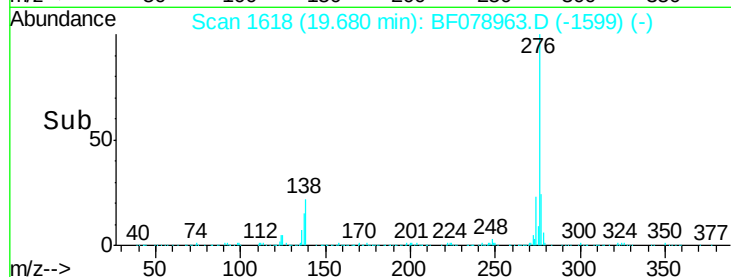
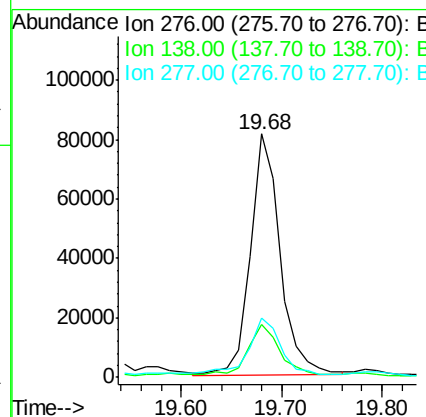
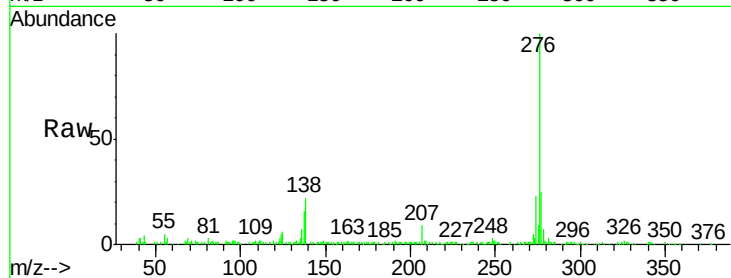
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.37 ng
 RT: 19.68 min Scan# 1618
 Delta R.T. -0.08 min
 Lab File: BF078963.D
 Acq: 6 May 2015 16:34

Instrument :
 BNA_F
 ClientSampled :
 SB-59AS

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	23.0	0.0	0.0#
277	26.8	0.0	0.0#

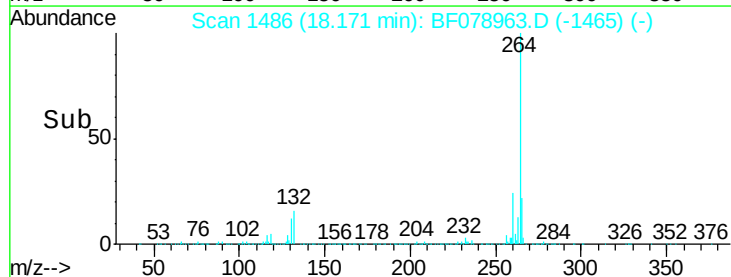
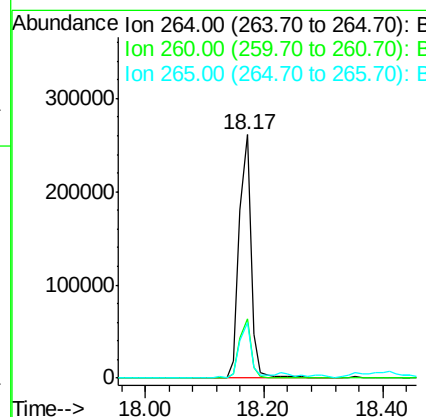
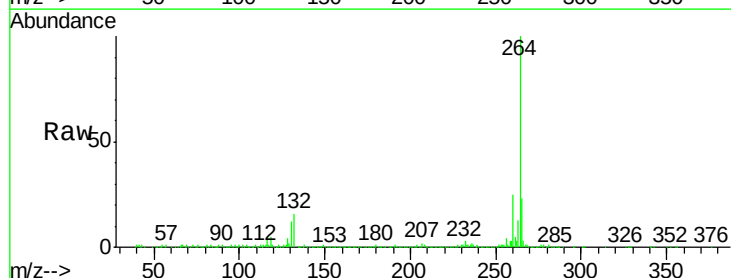
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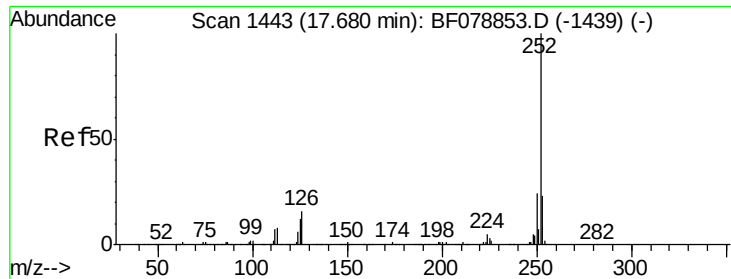
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 18.17 min Scan# 1486
 Delta R.T. -0.06 min
 Lab File: BF078963.D
 Acq: 6 May 2015 16:34

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	24.5	19.4	29.2
265	22.6	18.3	27.5





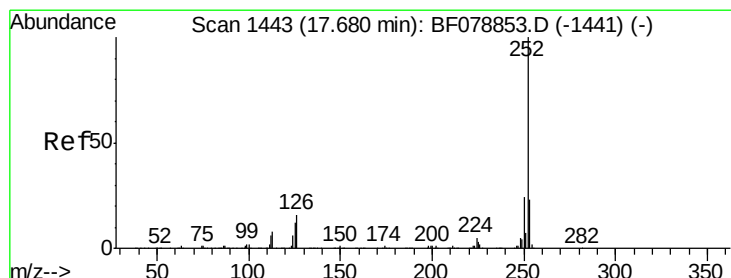
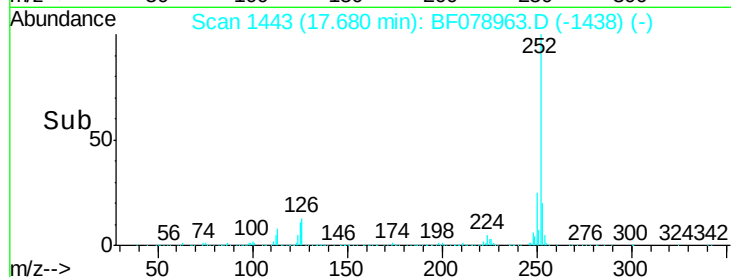
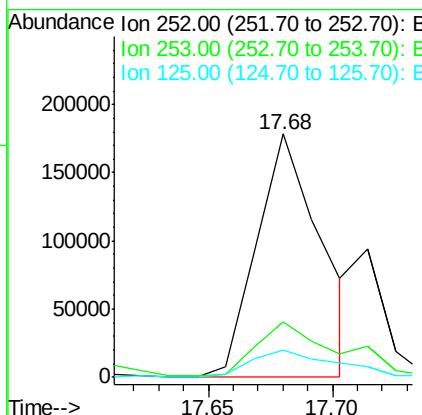
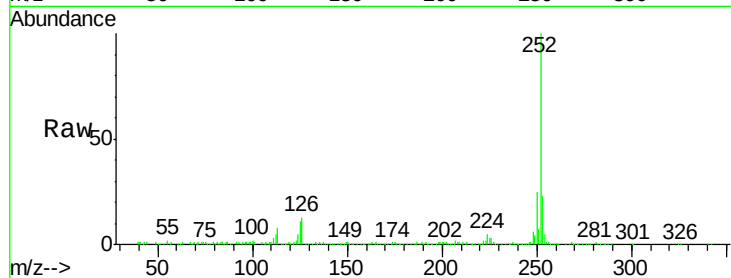
#87
Benzo(b)fluoranthene
Concen: 15.96 ng m
RT: 17.68 min Scan# 1443
Delta R.T. -0.05 min
Lab File: BF078963.D
Acq: 6 May 2015 16:34

Instrument :
BNA_F
ClientSampleId :
SB-59AS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.7	26.5
125	11.3	9.5	14.3

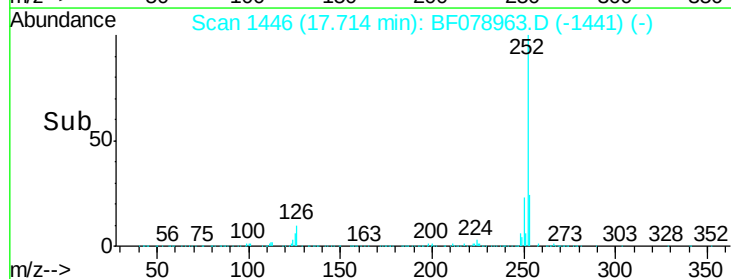
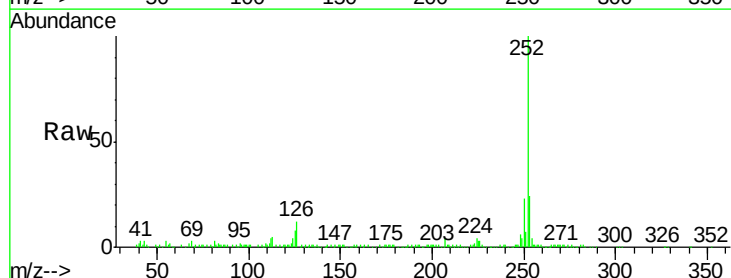
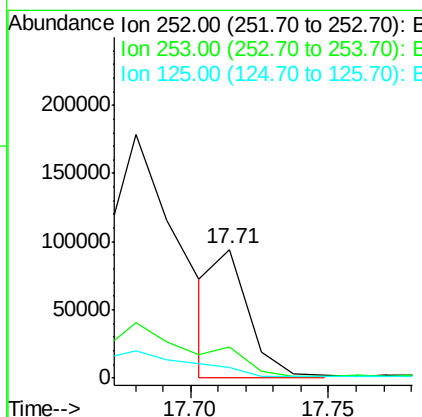
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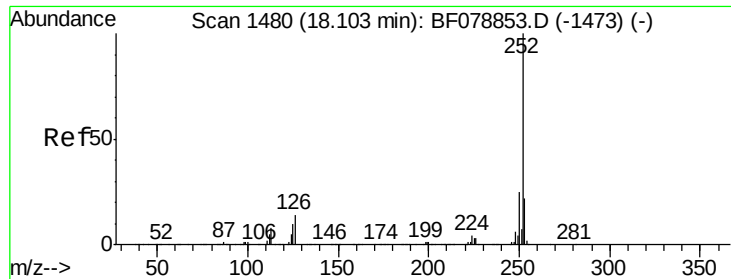
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#88
Benzo(k)fluoranthene
Concen: 4.24 ng m
RT: 17.71 min Scan# 1446
Delta R.T. -0.05 min
Lab File: BF078963.D
Acq: 6 May 2015 16:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.1	27.1
125	8.0	10.0	15.0





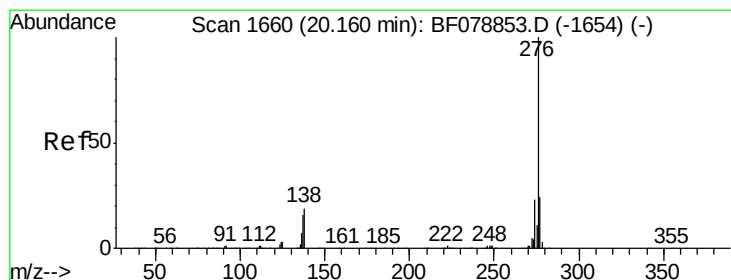
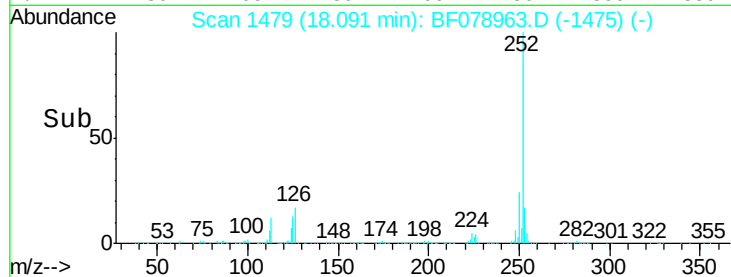
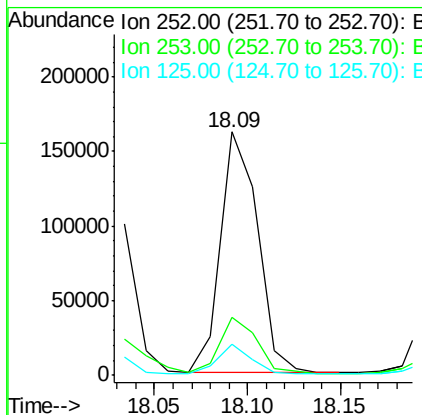
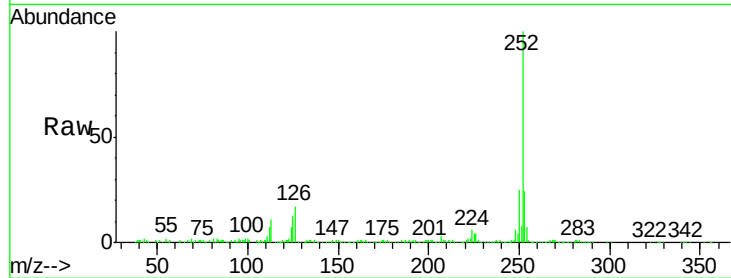
#89
Benzo(a)pyrene
Concen: 12.22 ng
RT: 18.09 min Scan# 1479
Delta R.T. -0.06 min
Lab File: BF078963.D
Acq: 6 May 2015 16:34

Instrument :
BNA_F
ClientSampleId :
SB-59AS

Tot Ion	Ratio	Resp	Lower	Upper
252	100	224558		
253	23.8	17.3	25.9	
125	12.8	7.0	10.6	

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 8.16 ng
RT: 20.14 min Scan# 1658
Delta R.T. -0.07 min
Lab File: BF078963.D
Acq: 6 May 2015 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	159686		
277	22.9	18.6	28.0	
138	21.2	17.4	26.0	

