

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050715\
 Data File : BF079010.D
 Acq On : 7 May 2015 22:01
 Operator : TP/IZ
 Sample : G2116-11 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-45S

Manual Integrations
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Quant Time: May 08 02:04:30 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 08 00:46:40 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	60952	20.00	ng	0.01
21) Naphthalene-d8	8.92	136	252975	20.00	ng	0.01
38) Acenaphthene-d10	11.10	164	129343	20.00	ng	0.00
63) Phenanthrene-d10	12.95	188	252334	20.00	ng	0.01
75) Chrysene-d12	16.26	240	268150	20.00	ng	-0.01
86) Perylene-d12	18.07	264	286215	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	80806	22.82	ng	0.01
7) Phenol-d6	6.90	99	107009	22.86	ng	0.01
23) Nitrobenzene-d5	8.03	82	56943	12.94	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	28479	20.35	ng	0.00
44) 2-Fluorobiphenyl	10.26	172	122390	13.18	ng	0.00
78) Terphenyl-d14	14.95	244	139148	12.42	ng	0.01
Target Compounds						Qvalue
51) Acenaphthene	11.13	154	28723	3.66	ng	97
57) Fluorene	11.78	166	33475	3.60	ng	97
70) Phenanthrene	12.97	178	468127	33.16	ng	99
71) Anthracene	13.04	178	80710	5.83	ng	98
74) Fluoranthene	14.46	202	489745	33.29	ng	99
77) Pyrene	14.74	202	430874	27.88	ng	99
80) Benzo(a)anthracene	16.25	228	189718	12.92	ng	99
82) Chrysene	16.30	228	177575m	12.57	ng	
85) Indeno(1,2,3-cd)pyrene	19.58	276	94997	5.28	ng	# 100
87) Benzo(b)fluoranthene	17.60	252	197501m	12.61	ng	
88) Benzo(k)fluoranthene	17.61	252	85446m	5.63	ng	
89) Benzo(a)pyrene	18.00	252	157291	10.90	ng	97
91) Benzo(a,h,i)perylene	20.02	276	88392	5.75	ng	97

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

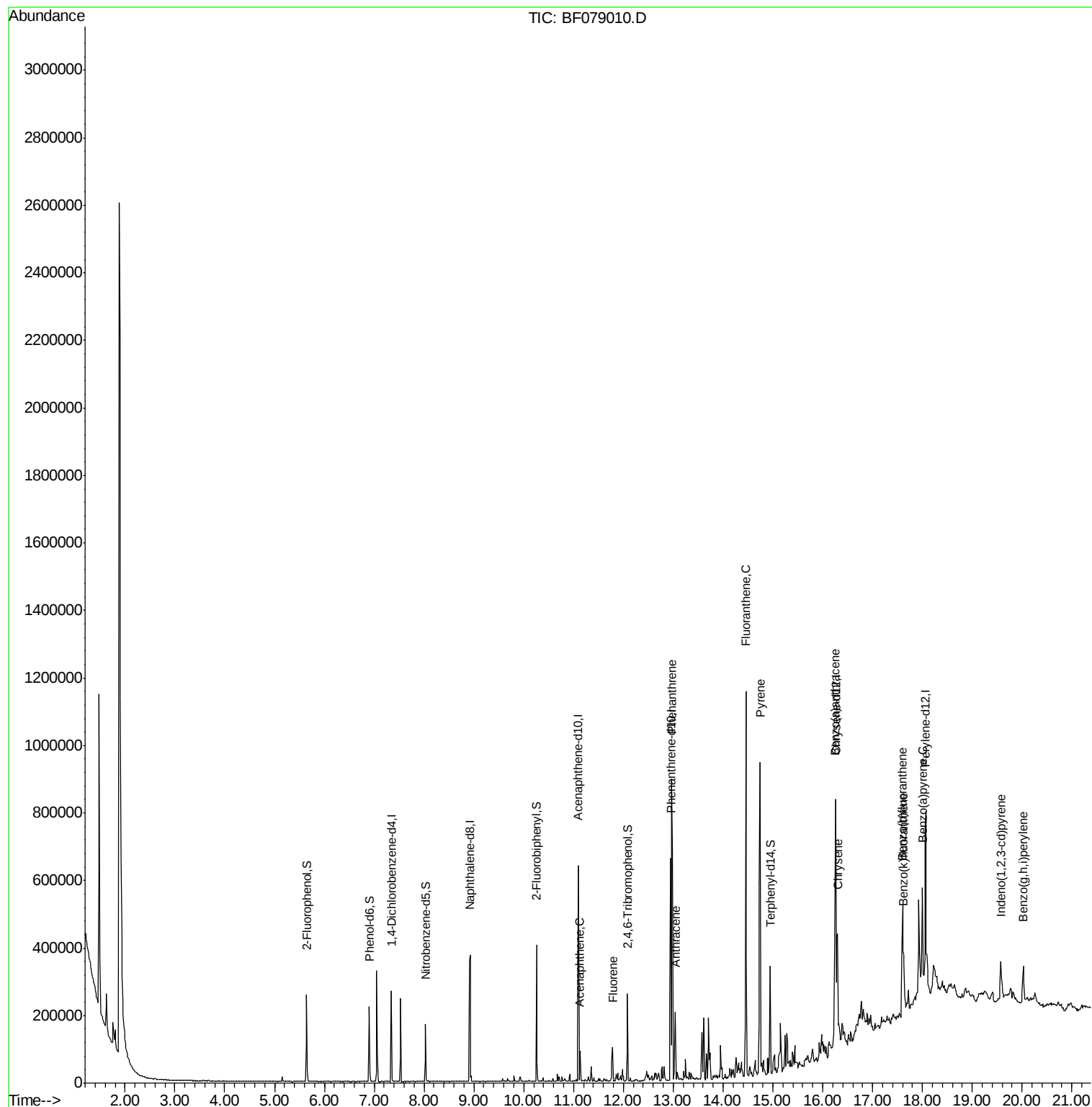
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050715\
Data File : BF079010.D
Acq On : 7 May 2015 22:01
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#1

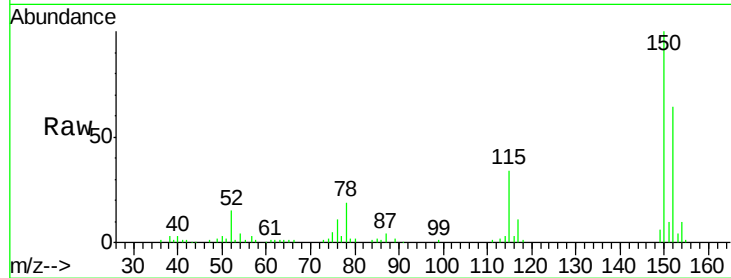
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.35 min Scan# 539
Delta R.T. 0.01 min
Lab File: BF079010.D
Acq: 7 May 2015 22:01

Instrument :
BNA_F
ClientSampleId :
SB-45S

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	122.0	183.0
115	53.2	46.3	69.5

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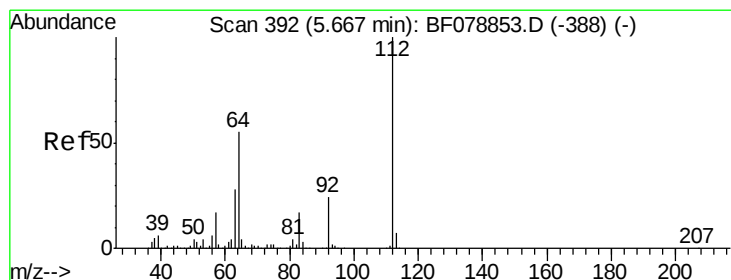
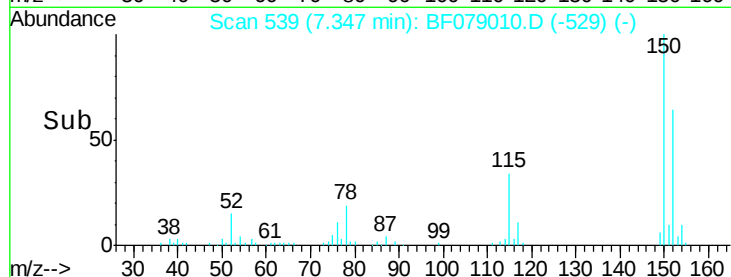
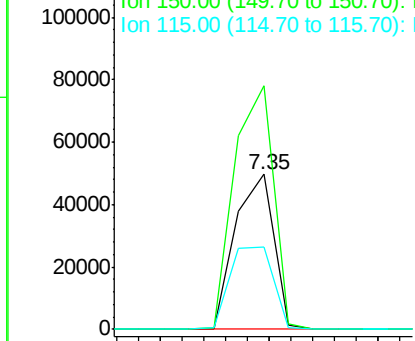


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

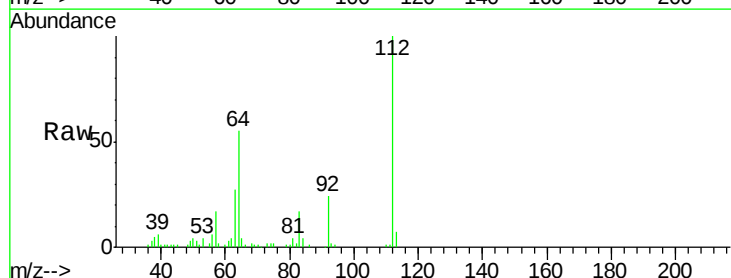
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 22.82 ng
RT: 5.64 min Scan# 390
Delta R.T. 0.01 min
Lab File: BF079010.D
Acq: 7 May 2015 22:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	53.5	80.3
63	26.7	27.5	41.3#

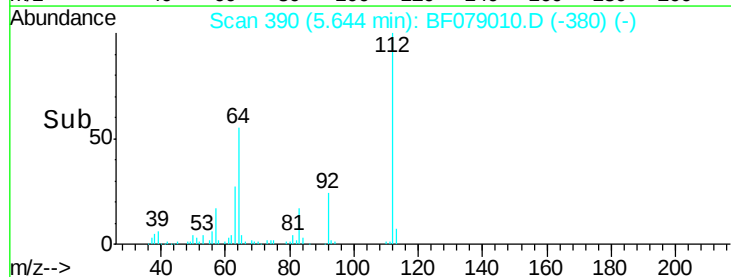
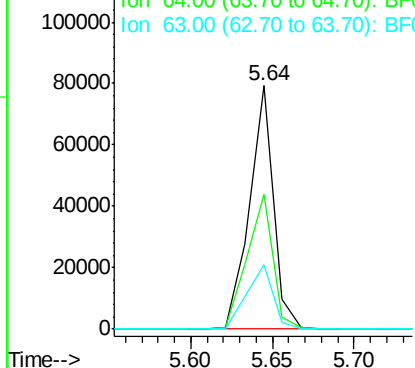


Abundance

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: 22.86 ng

RT: 6.90 min Scan# 500

Delta R.T. 0.01 min

Lab File: BF079010.D

Acq: 7 May 2015 22:01

Instrument :

BNA_F

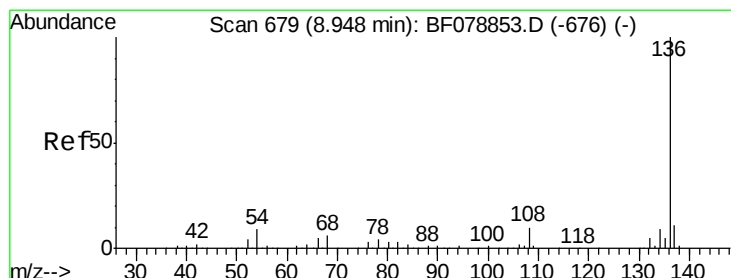
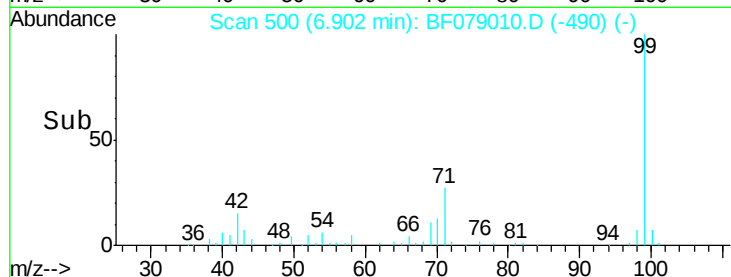
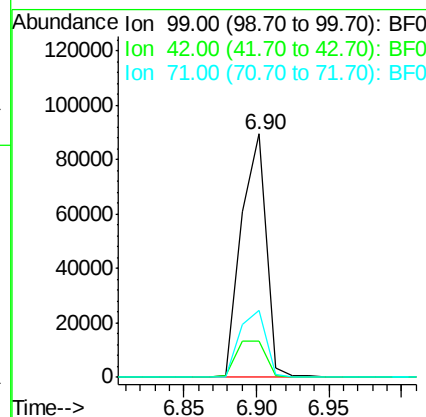
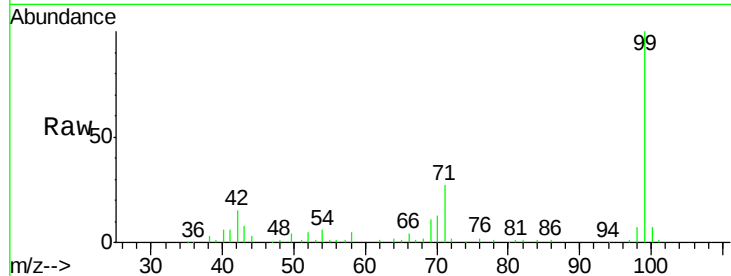
ClientSampleId :

SB-45S

Tot Ion:	99	Resp:	107009
Ion Ratio	Lower	Upper	
99	100		
42	14.8	12.8	19.2
71	27.3	23.4	35.2

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#21

Naphthalene-d8

Concen: 20.00 ng

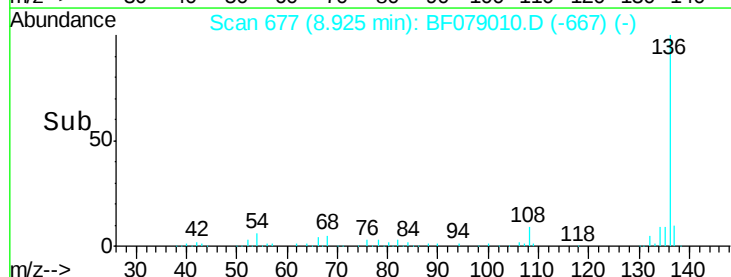
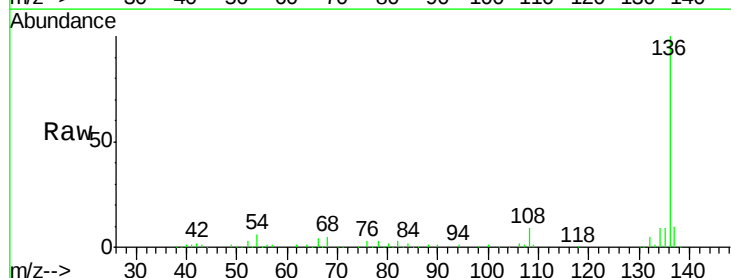
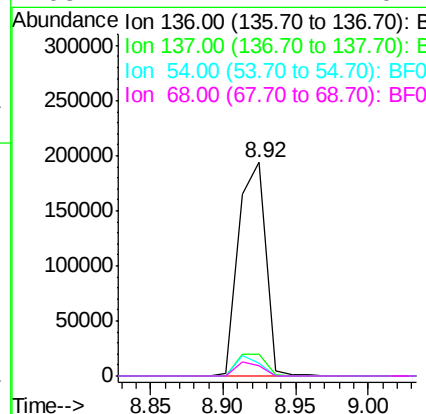
RT: 8.92 min Scan# 677

Delta R.T. 0.01 min

Lab File: BF079010.D

Acq: 7 May 2015 22:01

Tgt Ion:	136	Resp:	252975
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.7	13.1
54	6.0	5.8	8.8
68	4.7	4.2	6.4





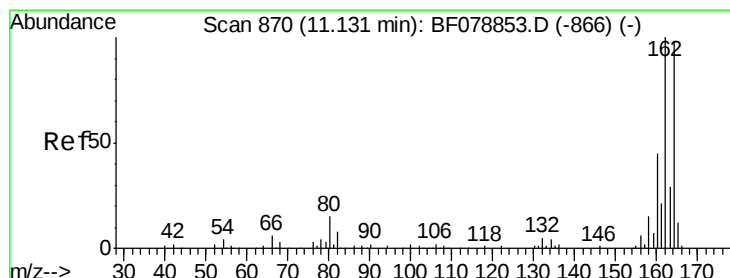
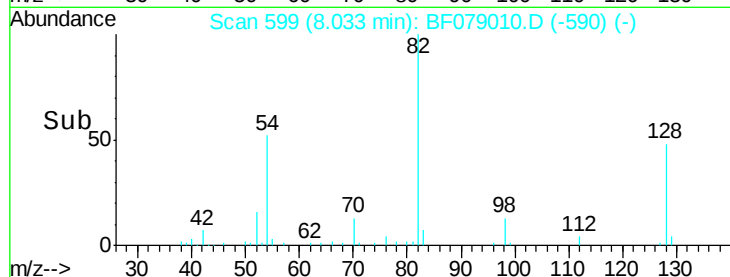
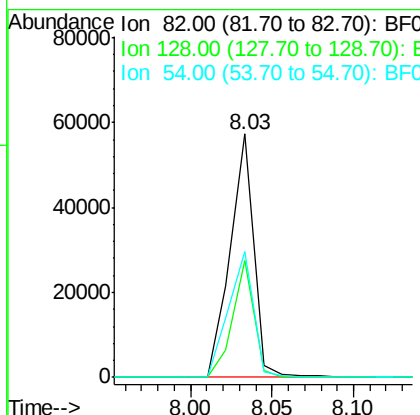
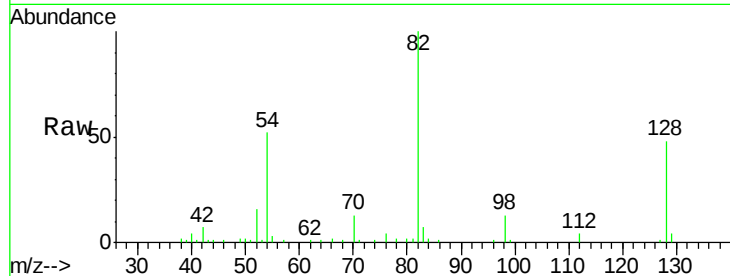
#23
 Nitrobenzene-d5
 Concen: 12.94 ng
 RT: 8.03 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: BF079010.D
 Acq: 7 May 2015 22:01

Instrument :
 BNA_F
 ClientSampled :
 SB-45S

Tot Ion	Ratio	Resp	Lower	Upper
82	100	56943		
128	47.9	30.0	45.0	#
54	51.7	46.4	69.6	

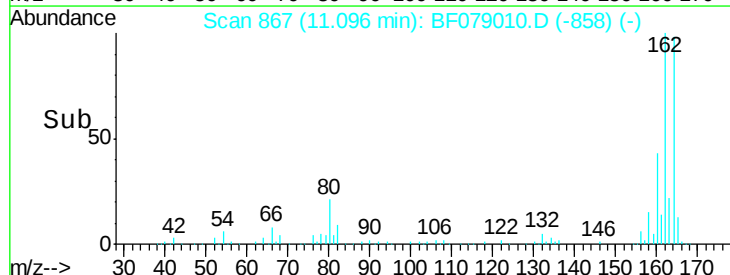
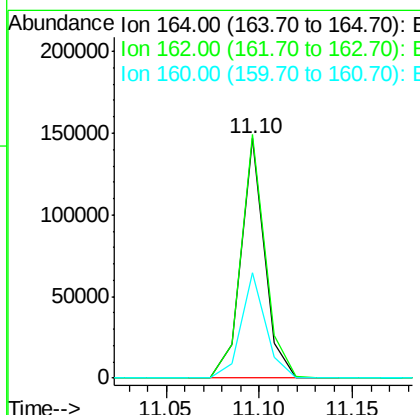
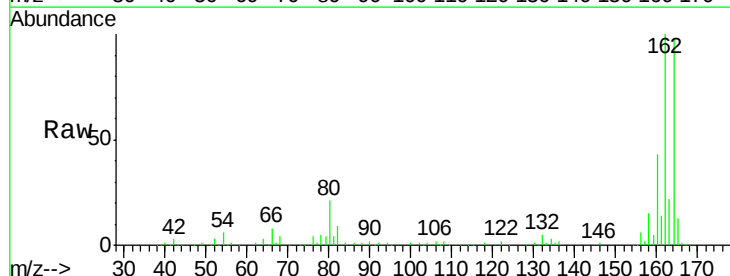
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: BF079010.D
 Acq: 7 May 2015 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	129343		
162	101.8	82.7	124.1	
160	44.2	35.8	53.8	





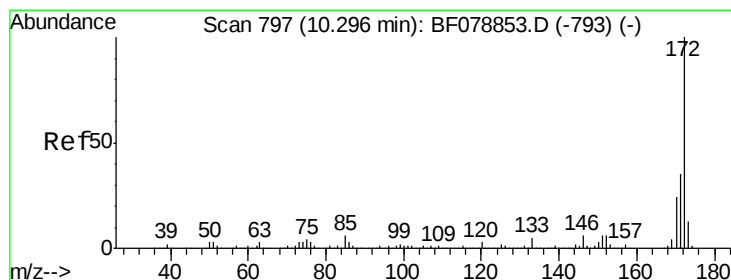
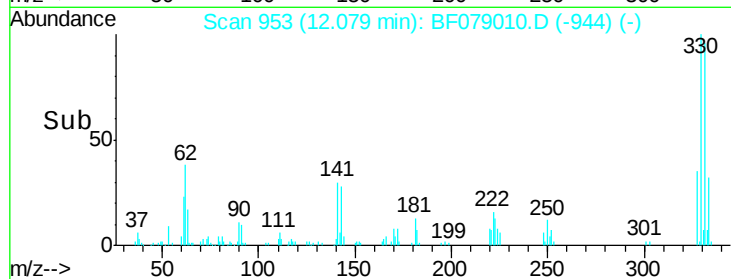
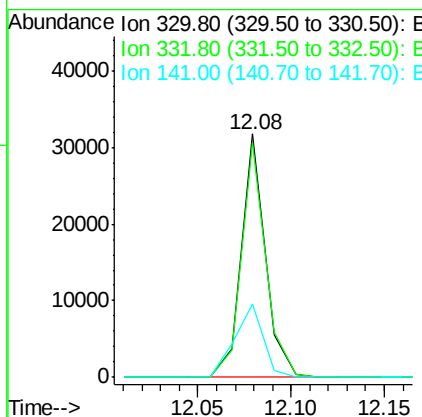
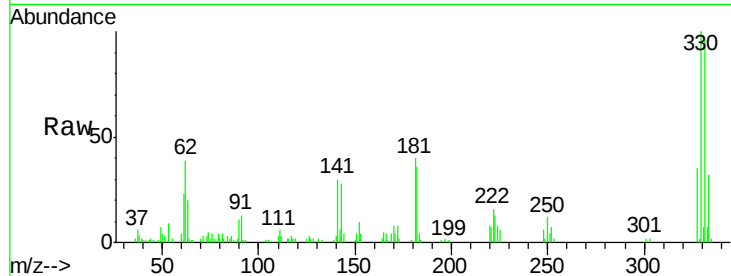
#41
 2,4,6-Tribromophenol
 Concen: 20.35 ng
 RT: 12.08 min Scan# 953
 Delta R.T. 0.00 min
 Lab File: BF079010.D
 Acq: 7 May 2015 22:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-45S

Tot Ion	Ratio	Resp	Lower	Upper
330	100	28479		
332	97.6	0.0	0.0	0.0
141	35.9	0.0	0.0	0.0

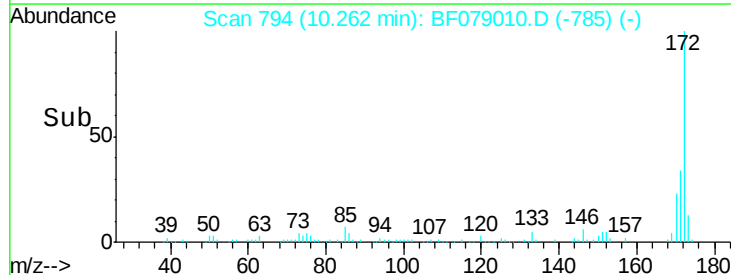
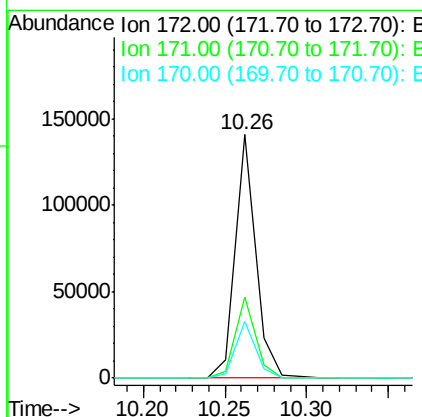
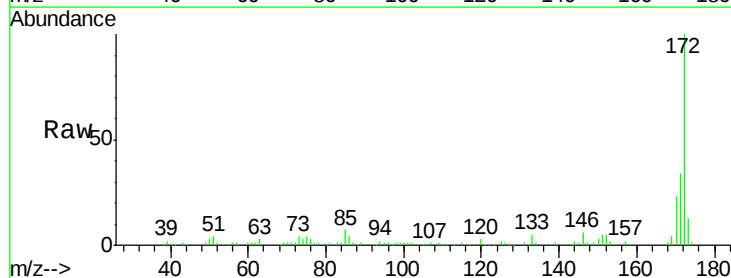
Manual Integrations
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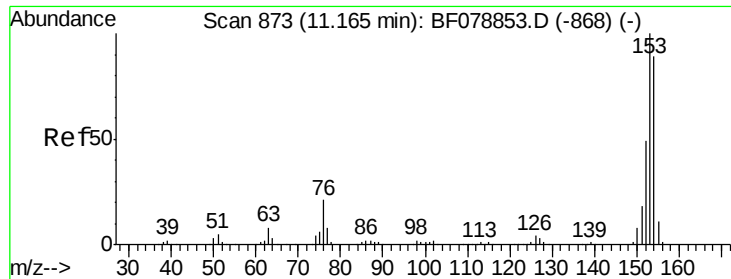
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#44
 2-Fluorobiphenyl
 Concen: 13.18 ng
 RT: 10.26 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: BF079010.D
 Acq: 7 May 2015 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	122390		
171	33.5	27.9	41.9	
170	23.4	19.4	29.0	





#51

Acenaphthene

Concen: 3.66 ng

RT: 11.13 min Scan# 870

Delta R.T. 0.00 min

Lab File: BF079010.D

Acq: 7 May 2015 22:01

Instrument :

BNA_F

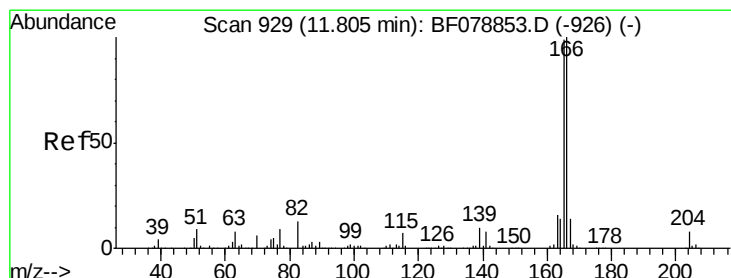
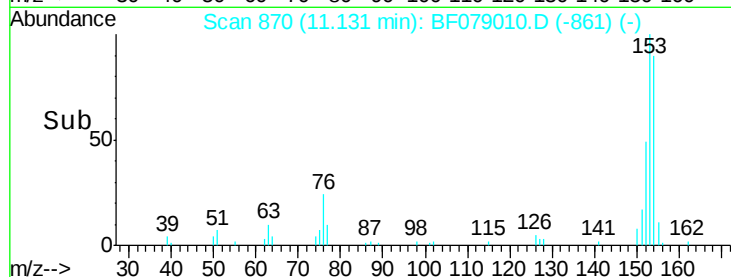
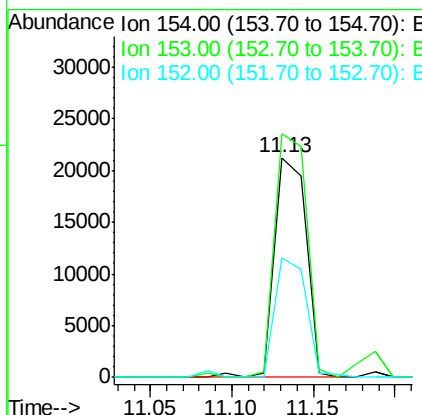
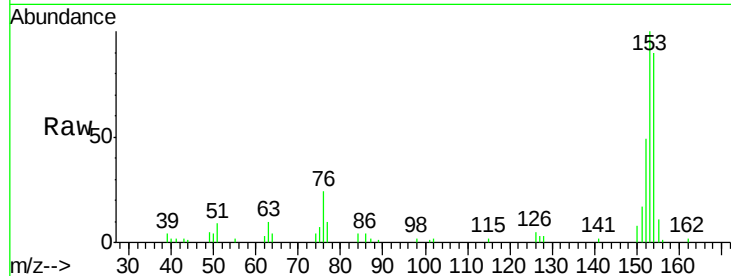
ClientSampleId :

SB-45S

Tot Ion:	154	Resp:	28723
Ion Ratio	Lower	Upper	
154	100		
153	110.8	91.5	137.3
152	54.2	44.2	66.4

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#57

Fluorene

Concen: 3.60 ng

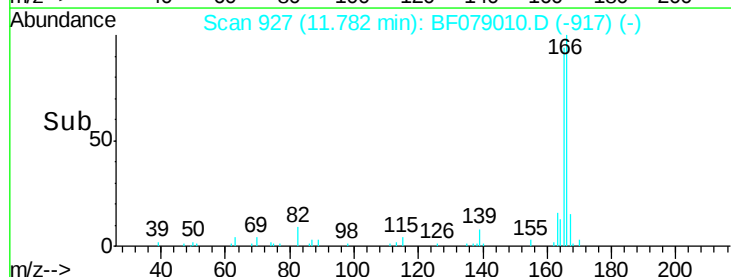
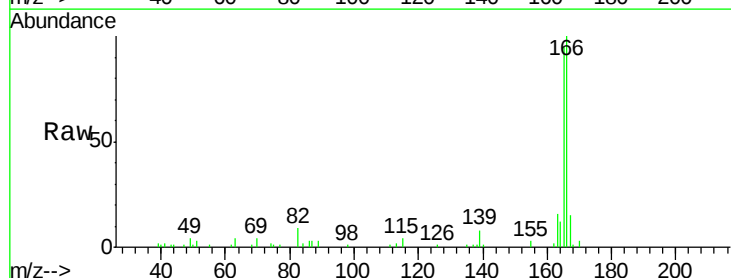
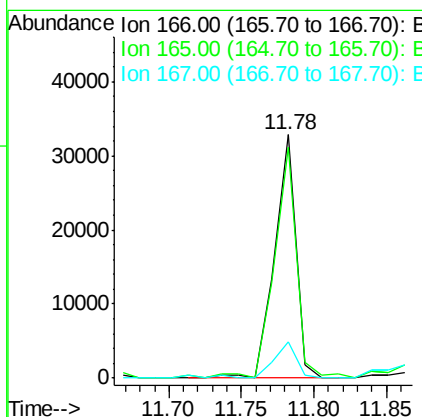
RT: 11.78 min Scan# 927

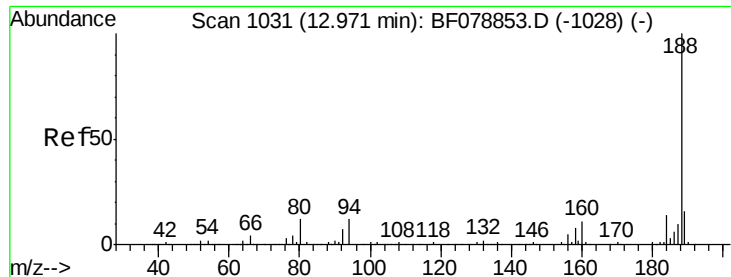
Delta R.T. 0.01 min

Lab File: BF079010.D

Acq: 7 May 2015 22:01

Tgt Ion:	166	Resp:	33475
Ion Ratio	Lower	Upper	
166	100		
165	95.0	78.5	117.7
167	14.8	11.0	16.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.95 min Scan# 1029

Delta R.T. 0.01 min

Lab File: BF079010.D

Acq: 7 May 2015 22:01

Instrument :

BNA_F

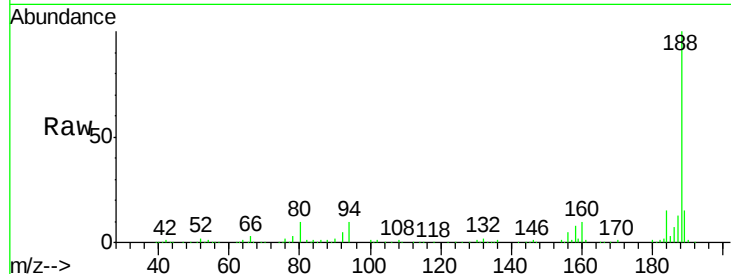
ClientSampleId :

SB-45S

Tot Ion:	188	Resp:	252334
Ion Ratio	Lower	Upper	
188	100		
94	9.5	8.2	12.2
80	9.9	8.9	13.3

Manual Integrations
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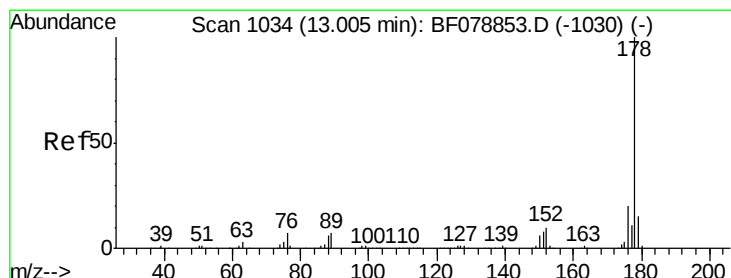
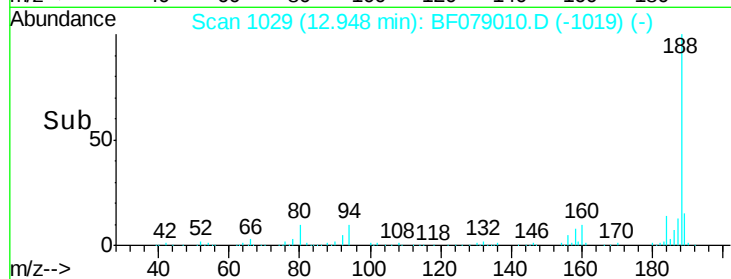
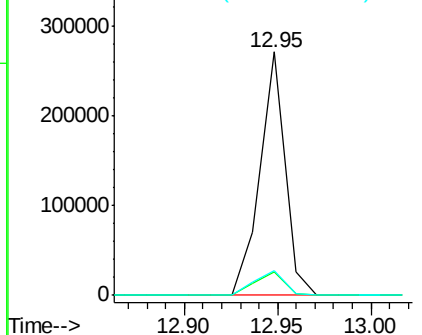
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 33.16 ng

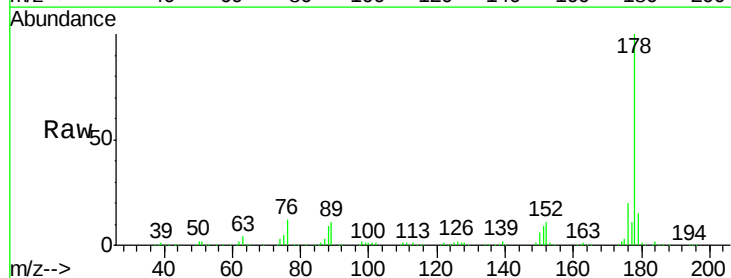
RT: 12.97 min Scan# 1031

Delta R.T. 0.00 min

Lab File: BF079010.D

Acq: 7 May 2015 22:01

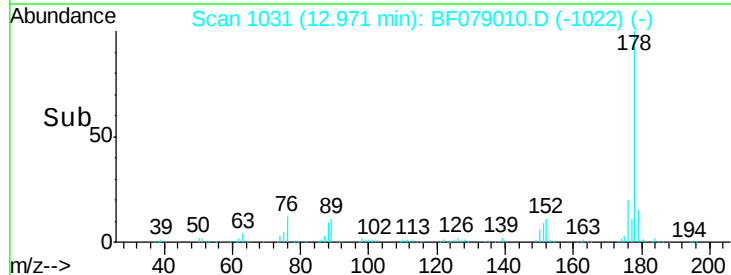
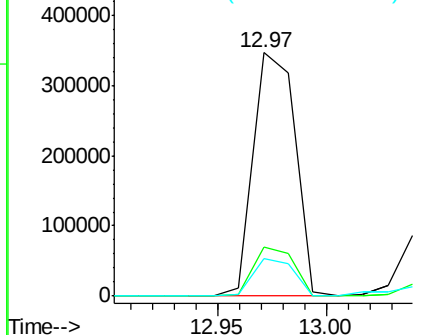
Tgt Ion:	178	Resp:	468127
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.8	23.8
179	15.2	12.5	18.7

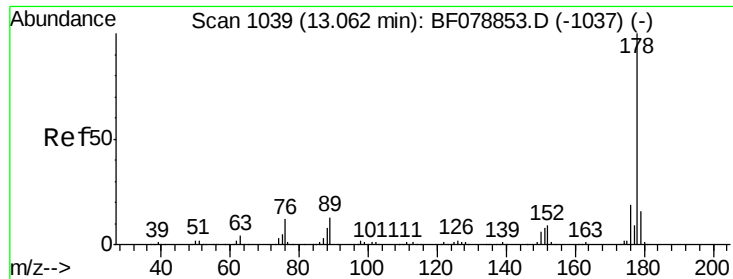


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





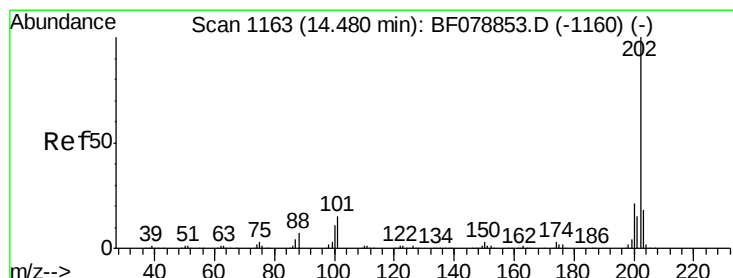
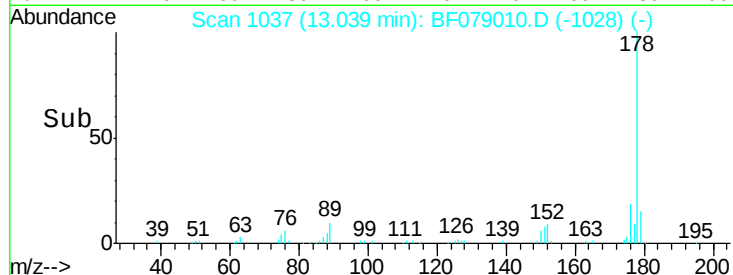
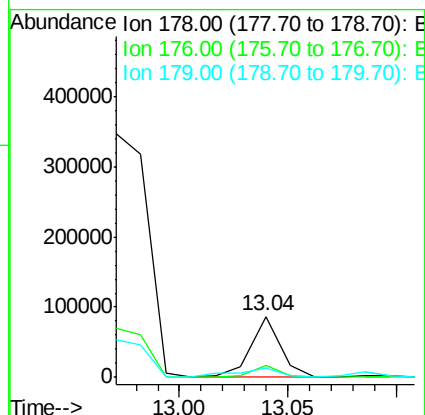
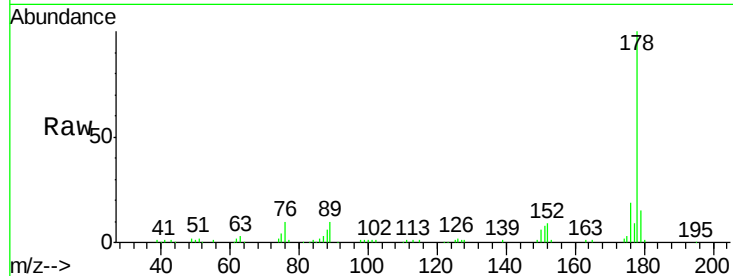
#71
 Anthracene
 Concen: 5.83 ng
 RT: 13.04 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: BF079010.D
 Acq: 7 May 2015 22:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-45S

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	14.6	12.7	19.1

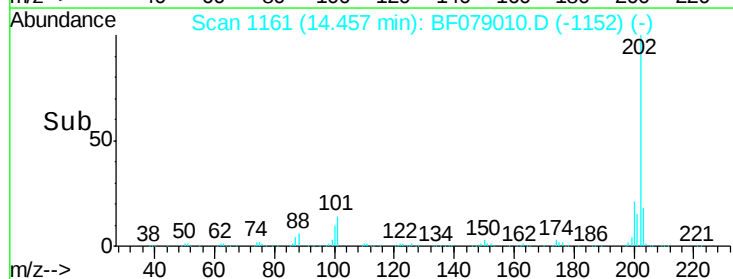
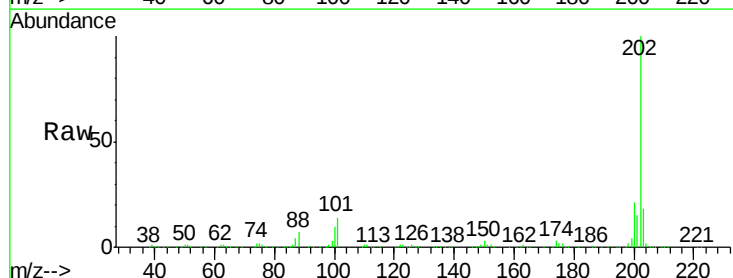
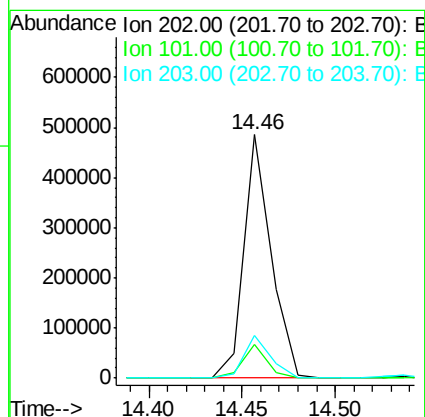
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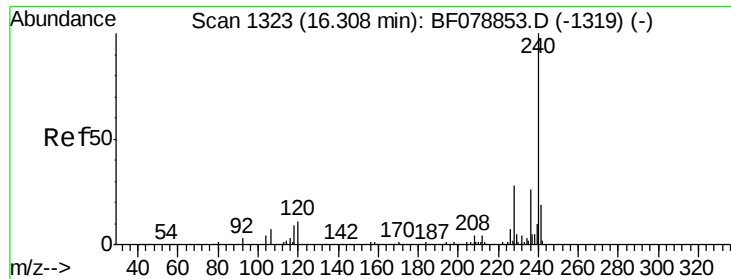
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#74
 Fluoranthene
 Concen: 33.29 ng
 RT: 14.46 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: BF079010.D
 Acq: 7 May 2015 22:01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	34.6
203	17.7	0.0	38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.26 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF079010.D

Acq: 7 May 2015 22:01

Instrument :

BNA_F

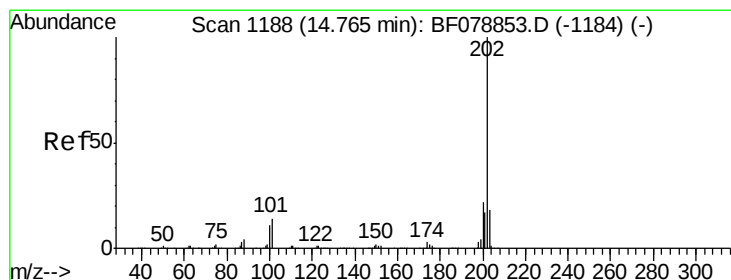
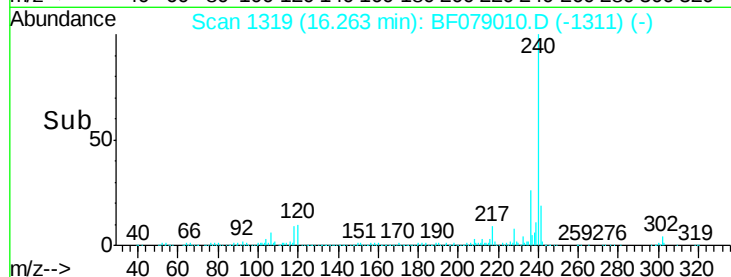
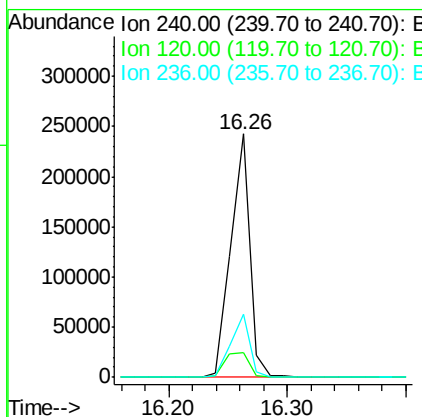
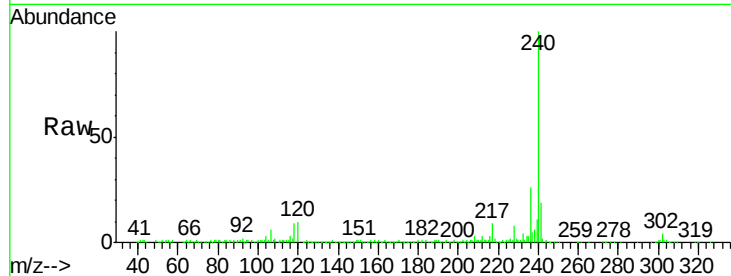
ClientSampleId :

SB-45S

Tot Ion:	240	Resp:	268150
Ion Ratio	Lower	Upper	
240	100		
120	10.0	9.7	14.5
236	25.7	20.2	30.4

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#77

Pyrene

Concen: 27.88 ng

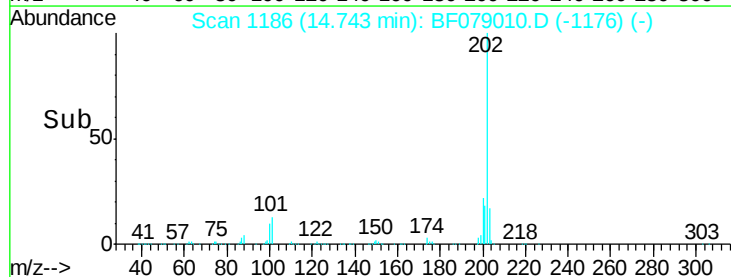
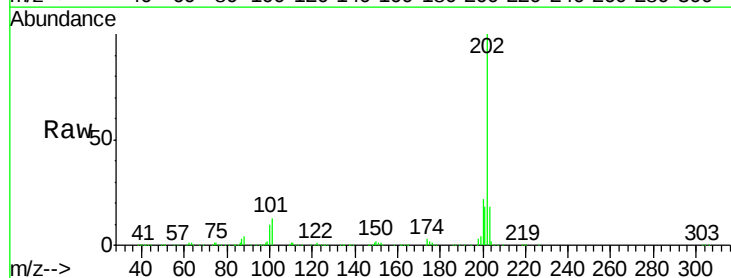
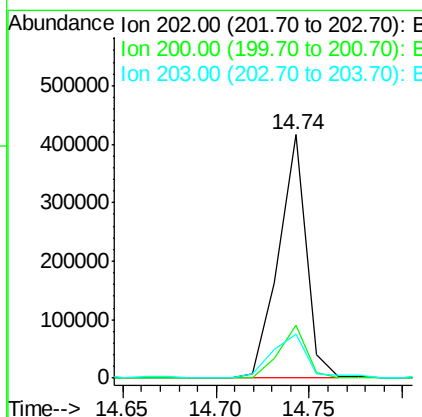
RT: 14.74 min Scan# 1186

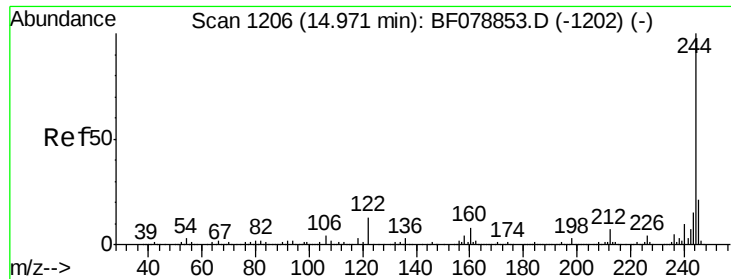
Delta R.T. 0.01 min

Lab File: BF079010.D

Acq: 7 May 2015 22:01

Tgt Ion:	202	Resp:	430874
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.5	26.3
203	17.9	13.9	20.9





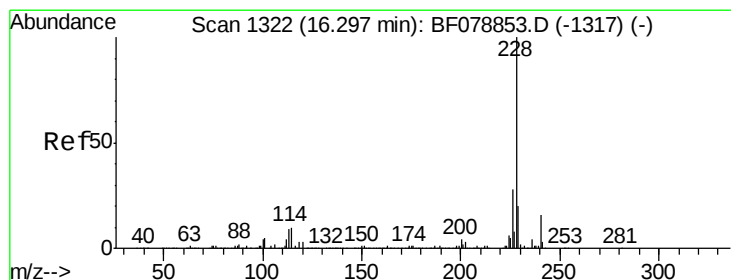
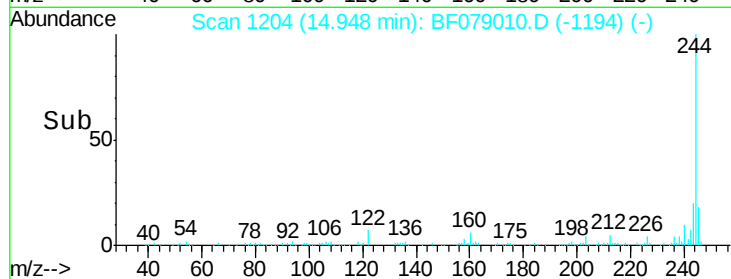
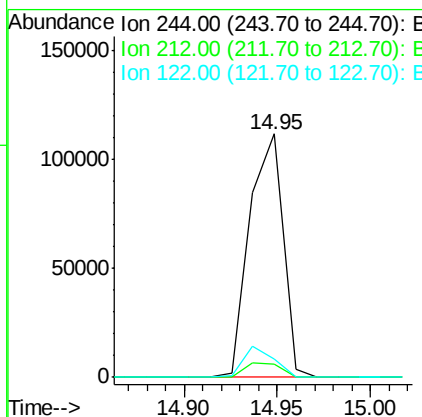
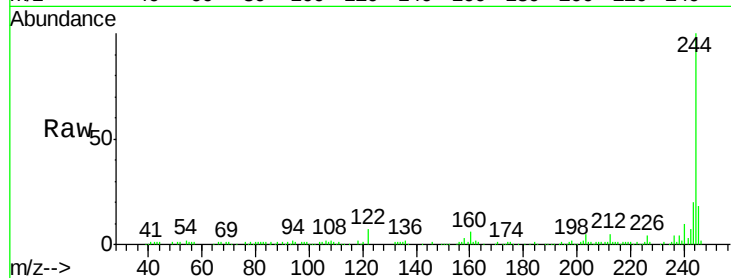
#78
 Terphenyl-d14
 Concen: 12.42 ng
 RT: 14.95 min Scan# 1204
 Delta R.T. 0.01 min
 Lab File: BF079010.D
 Acq: 7 May 2015 22:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-45S

Tot Ion	Ratio	Lower	Upper
244	100		
212	5.4	5.6	8.4#
122	7.4	10.3	15.5#

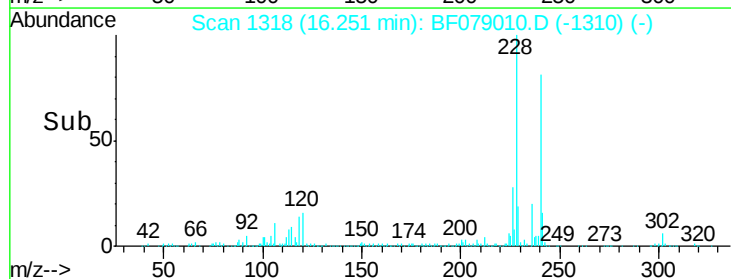
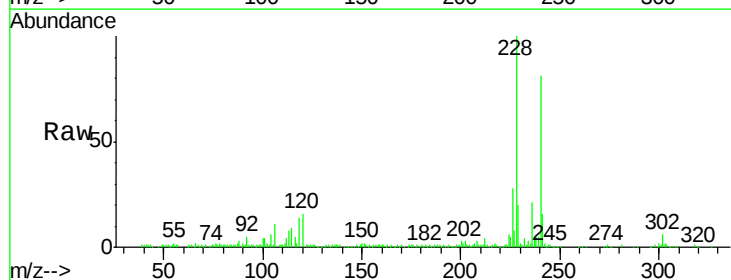
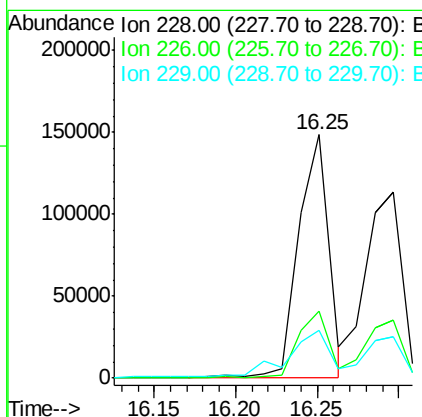
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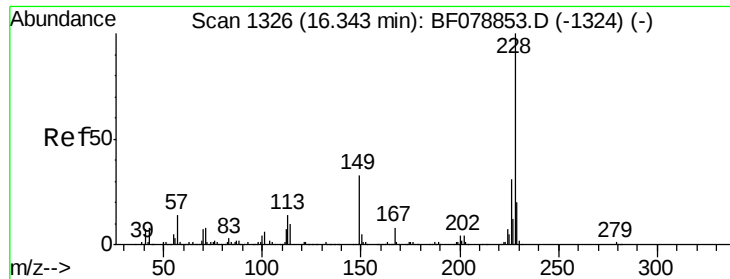
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#80
 Benzo(a)anthracene
 Concen: 12.92 ng
 RT: 16.25 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF079010.D
 Acq: 7 May 2015 22:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	19.6	15.9	23.9





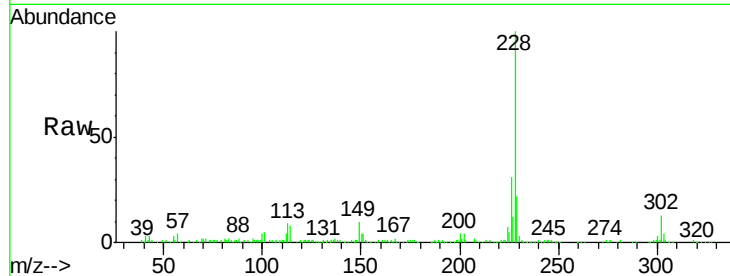
#82
Chrysene
Concen: 12.57 ng/ml
RT: 16.30 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF079010.D
Acq: 7 May 2015 22:01

Instrument :
BNA_F
ClientSampleID :
SB-45S

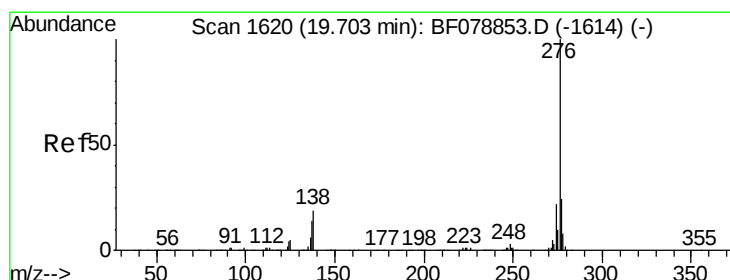
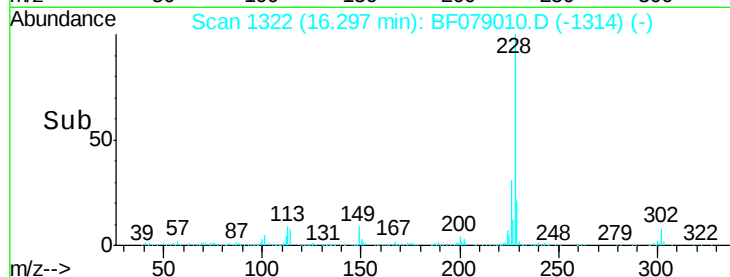
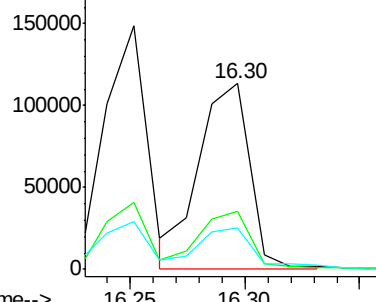
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.9	37.3
229	22.2	16.0	24.0

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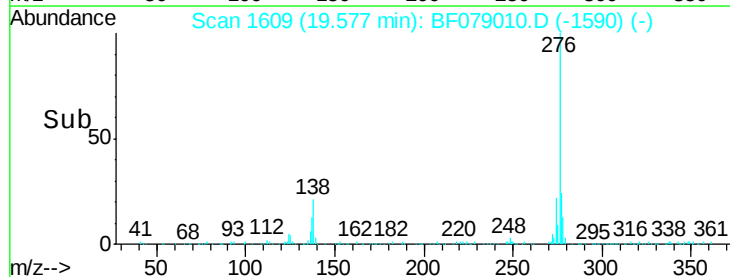
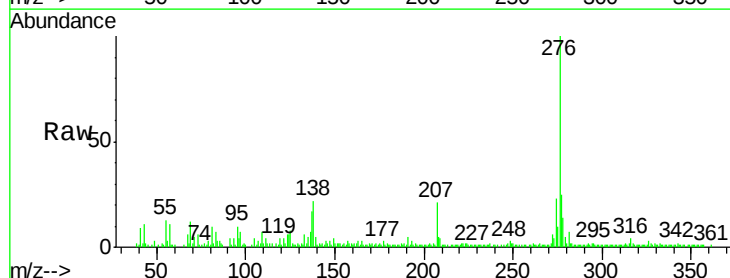
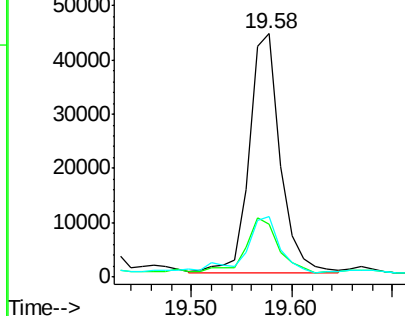
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

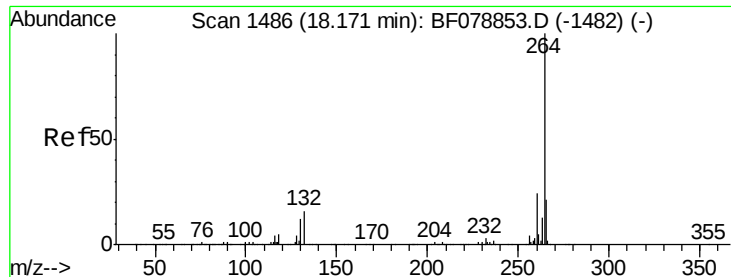


#85
Indeno(1,2,3-cd)pyrene
Concen: 5.28 ng
RT: 19.58 min Scan# 1609
Delta R.T. -0.08 min
Lab File: BF079010.D
Acq: 7 May 2015 22:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.0	0.0	0.0#
277	28.7	0.0	0.0#

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





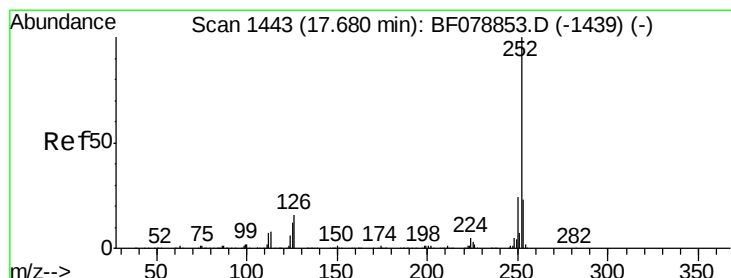
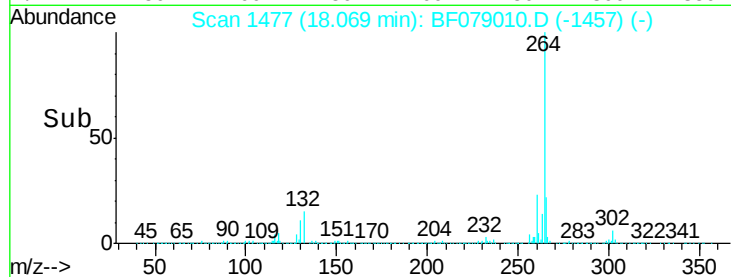
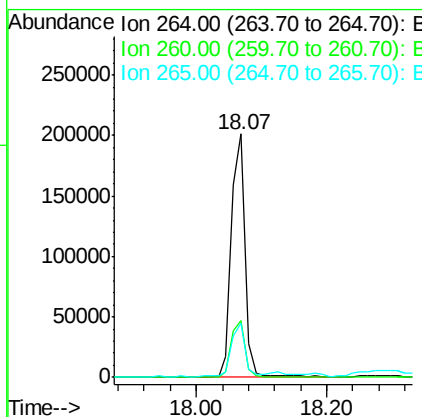
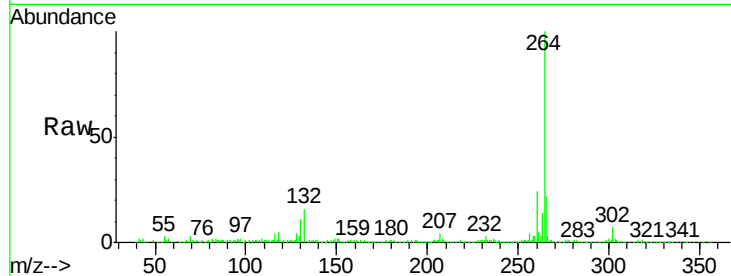
#86
Pervlene-d12
Concen: 20.00 ng
RT: 18.07 min Scan# 1477
Delta R.T. -0.07 min
Lab File: BF079010.D
Acq: 7 May 2015 22:01

Instrument :
BNA_F
ClientSampled :
SB-45S

Tot Ion	Ratio	Resp	Lower	Upper
264	100	286215		
260	23.5		19.4	29.2
265	22.3		18.3	27.5

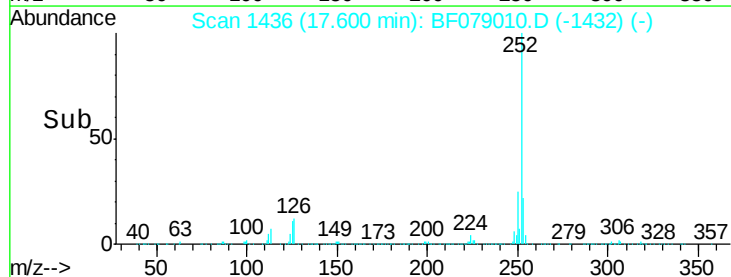
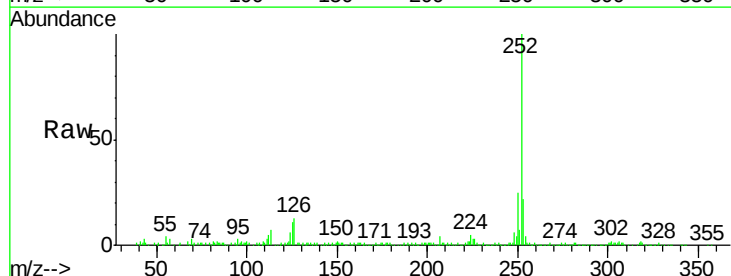
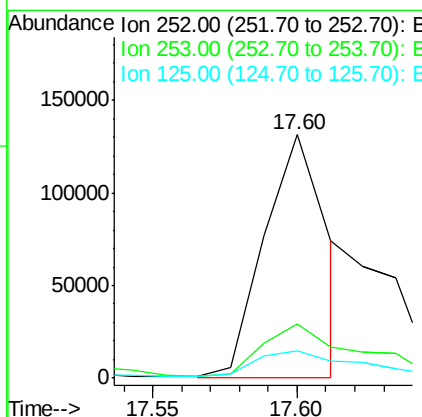
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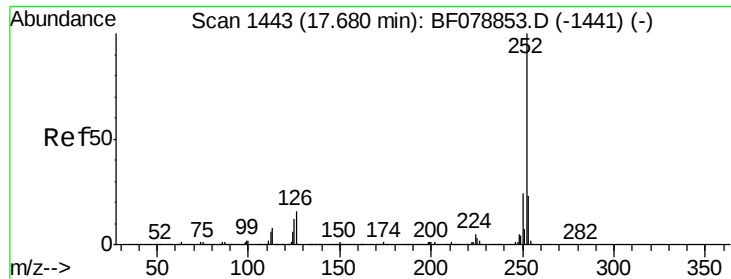
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#87
Benzo(b)fluoranthene
Concen: 12.61 ng m
RT: 17.60 min Scan# 1436
Delta R.T. -0.06 min
Lab File: BF079010.D
Acq: 7 May 2015 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	197501		
253	22.5		17.7	26.5
125	11.5		9.5	14.3





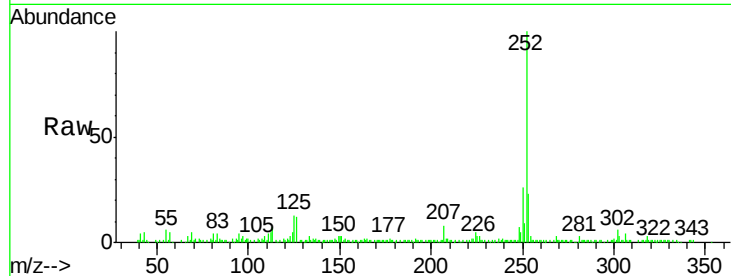
#88
Benzo(k)fluoranthene
Concen: 5.63 ng m
RT: 17.61 min Scan# 1437
Delta R.T. -0.08 min
Lab File: BF079010.D
Acq: 7 May 2015 22:01

Instrument :
BNA_F
ClientSampled :
SB-45S

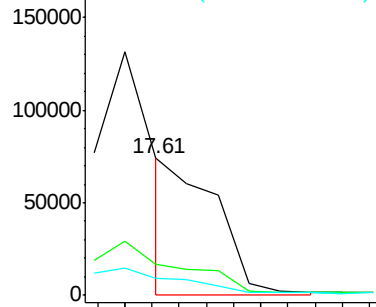
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	12.7	10.0	15.0

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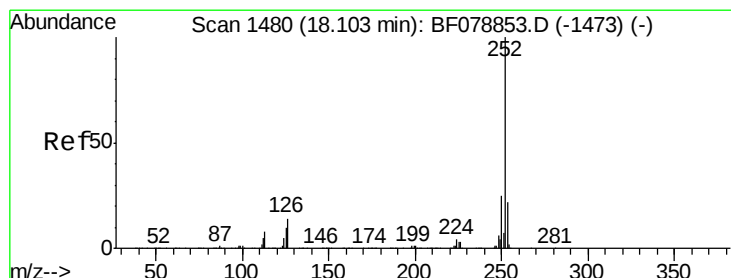
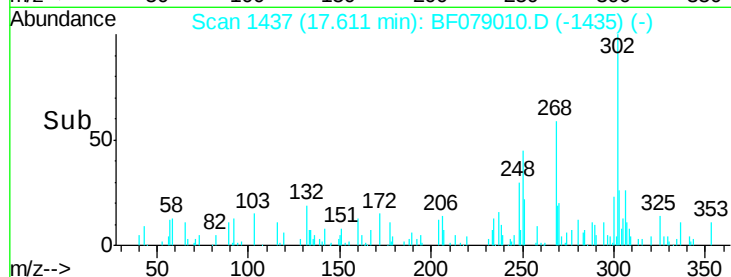
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



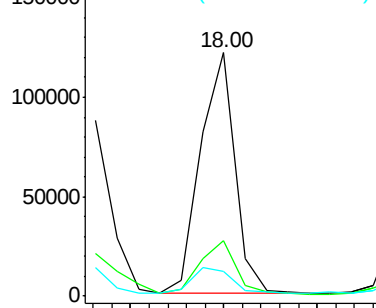
Time-->



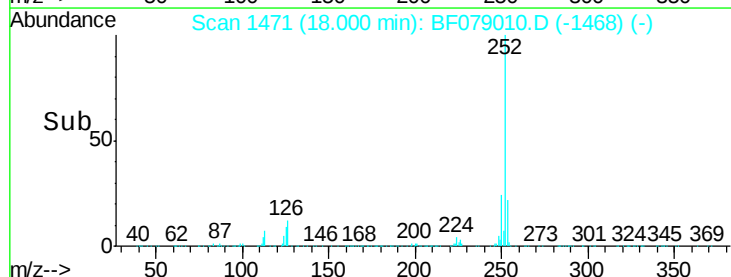
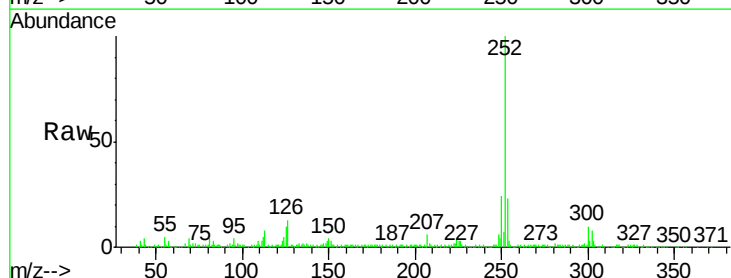
#89
Benzo(a)pyrene
Concen: 10.90 ng
RT: 18.00 min Scan# 1471
Delta R.T. -0.07 min
Lab File: BF079010.D
Acq: 7 May 2015 22:01

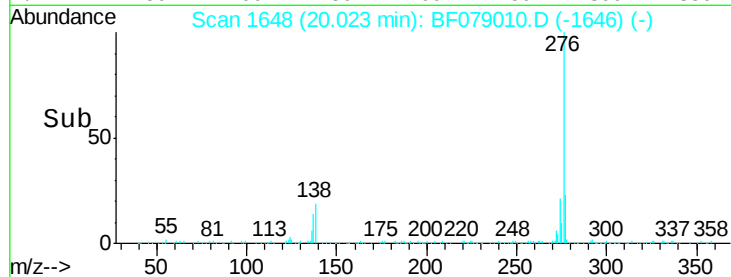
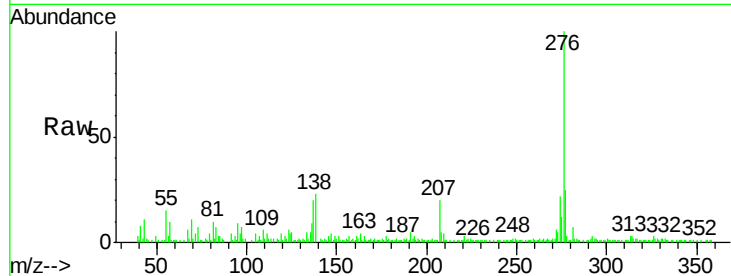
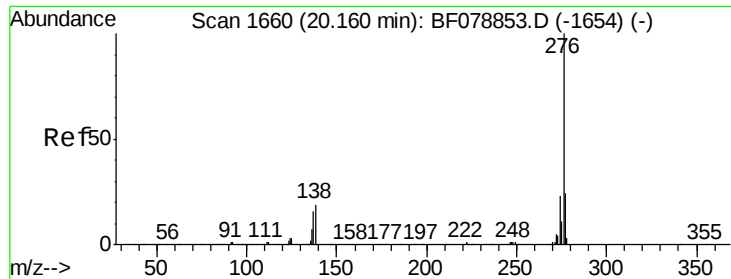
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.3	25.9
125	10.1	7.0	10.6

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





#91
Benzo(a,h,i)perylene
Concen: 5.75 ng
RT: 20.02 min Scan# 1648
Delta R.T. -0.08 min
Lab File: BF079010.D
Acq: 7 May 2015 22:01

Instrument :
BNA_F
ClientSampleId :
SB-45S

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.6	28.0
138	23.0	17.4	26.0

Manual Integrations
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