

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
 Data File : BF078700.D
 Acq On : 21 Apr 2015 23:42
 Operator : TP/IZ
 Sample : G1961-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SW-017

Manual Integrations
 APPROVED

apatel
 4/22/2015 5:22:53 PM

Quant Time: Apr 22 03:52:33 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 22 00:52:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.82	152	54450	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	245305	20.00	ng	-0.01
38) Acenaphthene-d10	11.17	164	134773	20.00	ng	-0.01
63) Phenanthrene-d10	13.90	188	262287	20.00	ng	-0.01
75) Chrysene-d12	17.77	240	256421	20.00	ng	-0.01
86) Perylene-d12	19.45	264	235856	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.84	112	194916	59.02	ng	0.01
7) Phenol-d6	5.32	99	254129	61.40	ng	0.00
23) Nitrobenzene-d5	6.75	82	153224	37.86	ng	-0.01
41) 2,4,6-Tribromophenol	12.64	330	67226	60.14	ng	-0.01
44) 2-Fluorobiphenyl	9.99	172	343449	36.43	ng	-0.01
78) Terphenyl-d14	16.43	244	373494	32.91	ng	0.00
Target Compounds						
49) Dimethylphthalate	10.80	163	21607	2.13	ng	# 99
70) Phenanthrene	13.94	178	33582	2.21	ng	98
74) Fluoranthene	15.83	202	88676	5.54	ng	95
77) Pyrene	16.14	202	80324	4.99	ng	97
80) Benzo(a)anthracene	17.76	228	54002	3.54	ng	98
82) Chrysene	17.79	228	53891	3.76	ng	98
85) Indeno(1,2,3-cd)pyrene	20.58	276	34885	2.14	ng	# 82
87) Benzo(b)fluoranthene	19.04	252	72625m	4.98	ng	
89) Benzo(a)pyrene	19.38	252	48744	3.83	ng	# 91
91) Benzo(g,h,i)perylene	20.90	276	32110	2.51	ng	96

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

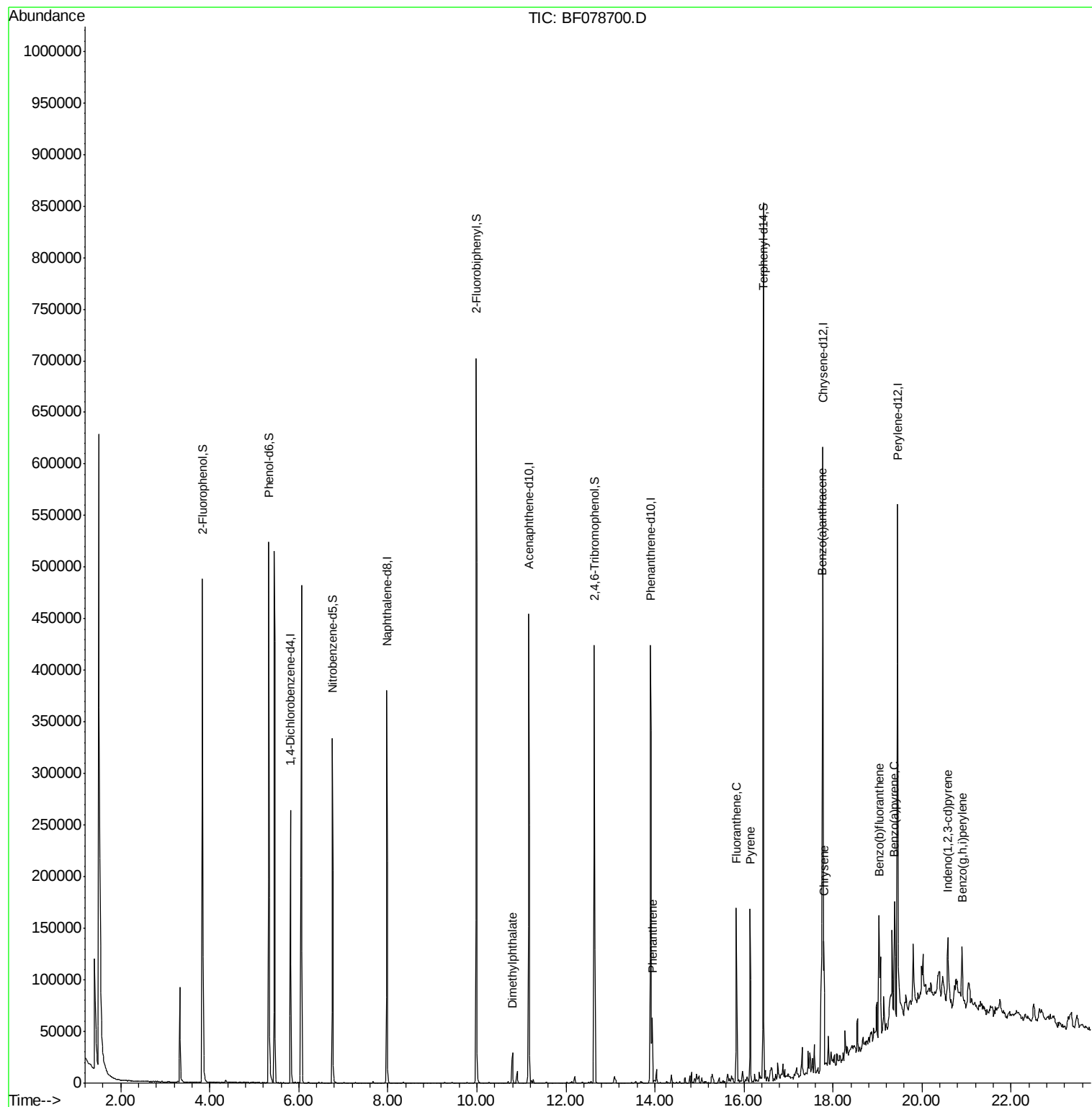
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
Data File : BF078700.D
Acq On : 21 Apr 2015 23:42
Operator : TP/IZ
Sample : G1961-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

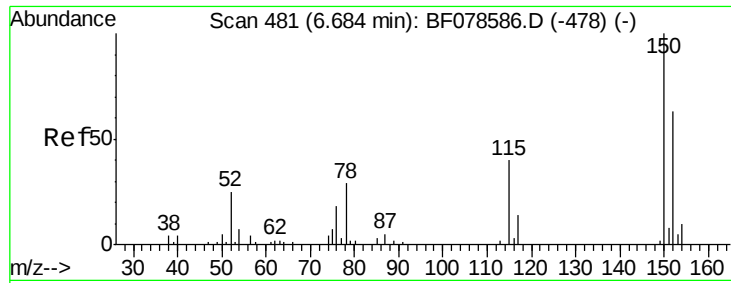
Instrument :
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ClientSampleId :
SW-017

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#1

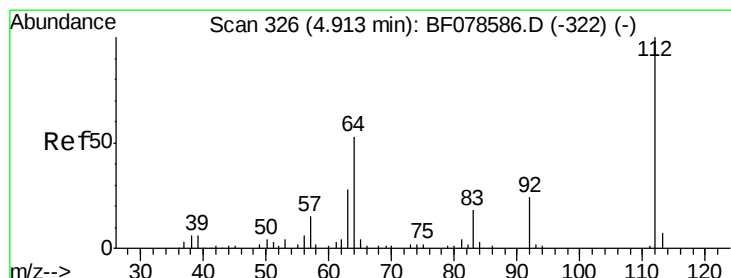
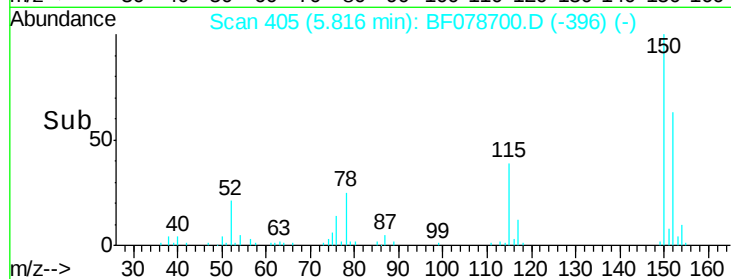
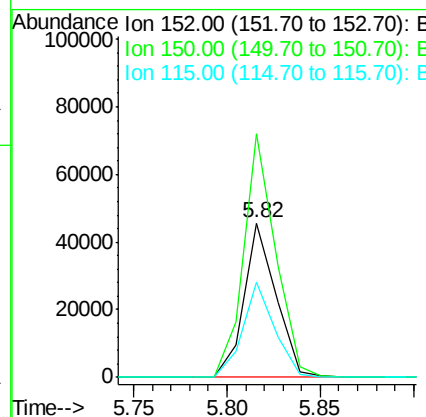
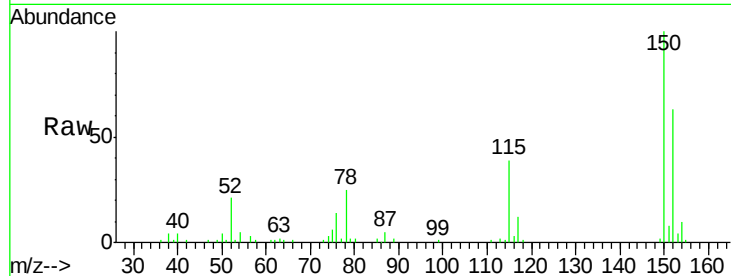
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.82 min Scan# 405
Delta R.T. 0.00 min
Lab File: BF078700.D
Acq: 21 Apr 2015 23:42

Instrument :
BNA_F
ClientSampleId :
SW-017

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	125.9	188.9
115	61.4	52.7	79.1

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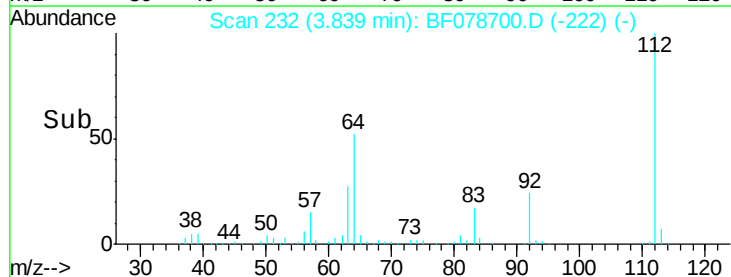
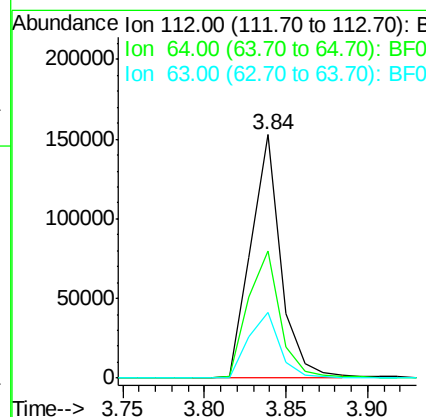
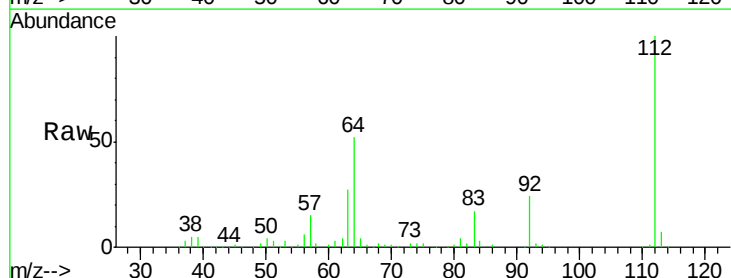
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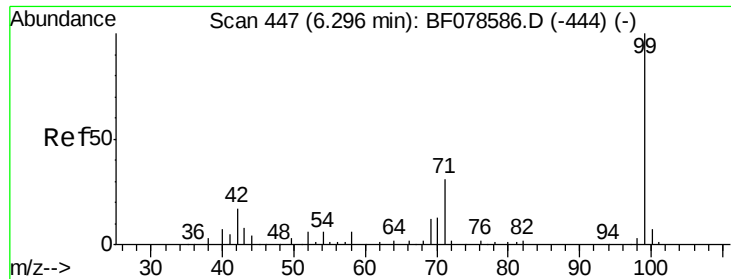


#5

2-Fluorophenol
Concen: 59.02 ng
RT: 3.84 min Scan# 232
Delta R.T. 0.01 min
Lab File: BF078700.D
Acq: 21 Apr 2015 23:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.0	39.9	59.9
63	27.1	20.2	30.4





#7

Phenol-d6

Concen: 61.40 ng

RT: 5.32 min Scan# 362

Delta R.T. 0.00 min

Lab File: BF078700.D

Acq: 21 Apr 2015 23:42

Instrument :

BNA_F

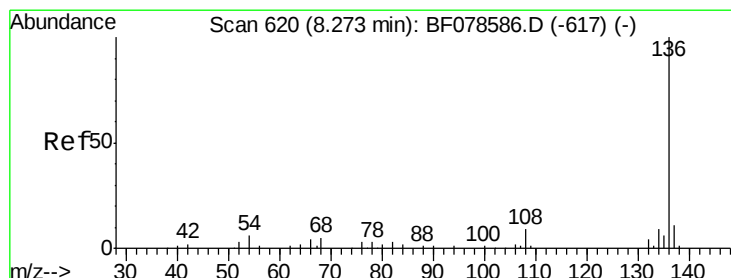
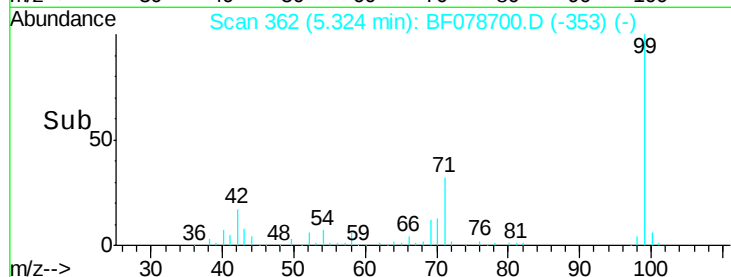
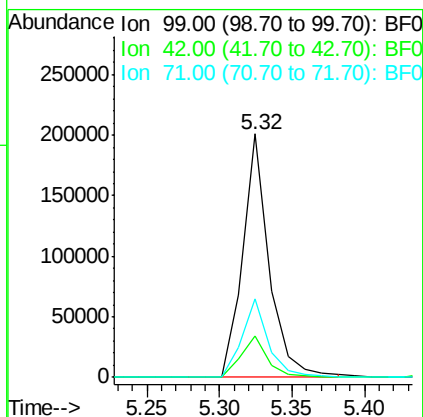
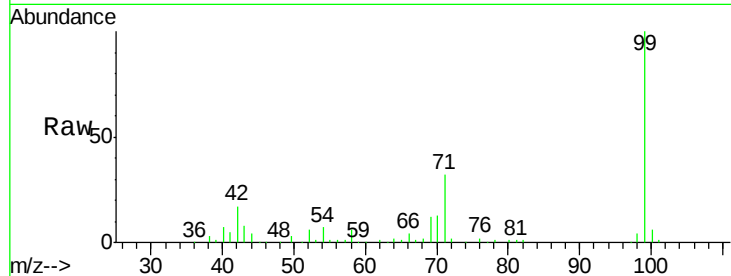
ClientSampleId :

SW-017

Tot Ion:	99	Resp:	254129
Ion Ratio	Lower	Upper	
99	100		
42	17.0	14.8	22.2
71	32.2	26.6	39.8

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#21

Naphthalene-d8

Concen: 20.00 ng

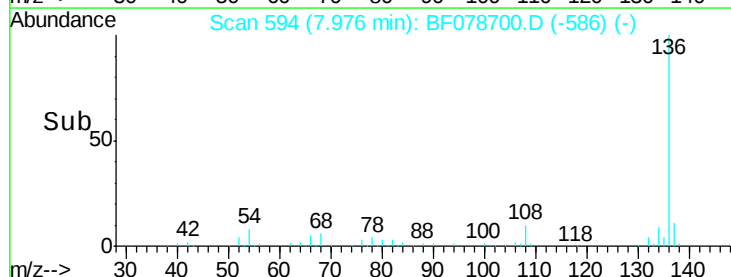
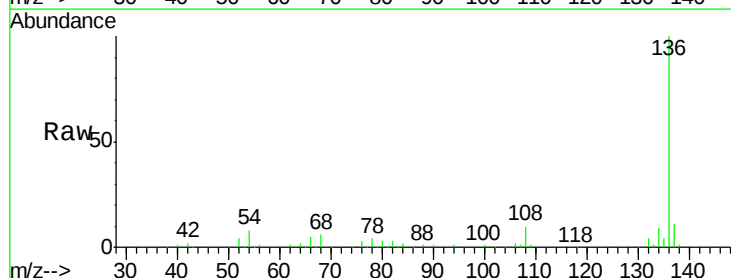
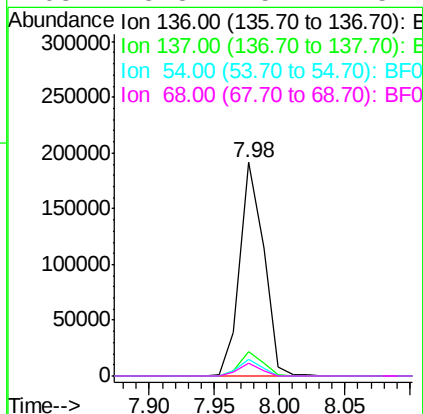
RT: 7.98 min Scan# 594

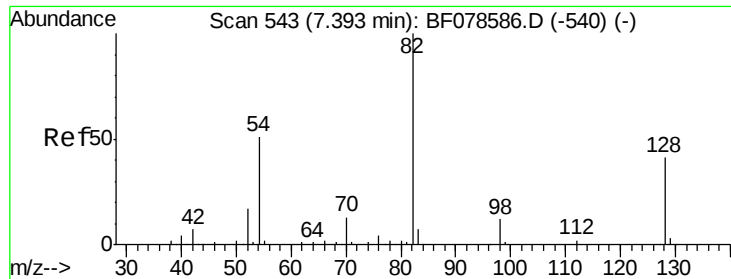
Delta R.T. -0.01 min

Lab File: BF078700.D

Acq: 21 Apr 2015 23:42

Tgt Ion:	136	Resp:	245305
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.0	13.4
54	7.7	7.0	10.6
68	5.8	5.4	8.2





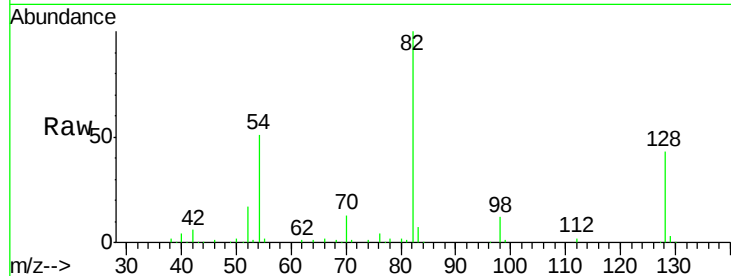
#23
 Nitrobenzene-d5
 Concen: 37.86 ng
 RT: 6.75 min Scan# 487
 Delta R.T. -0.01 min
 Lab File: BF078700.D
 Acq: 21 Apr 2015 23:42

Instrument :
 BNA_F
 ClientSampleId :
 SW-017

Tot Ion	Ratio	Resp	Lower	Upper
82	100	153224		
128	42.5	31.8	47.8	
54	51.1	41.5	62.3	

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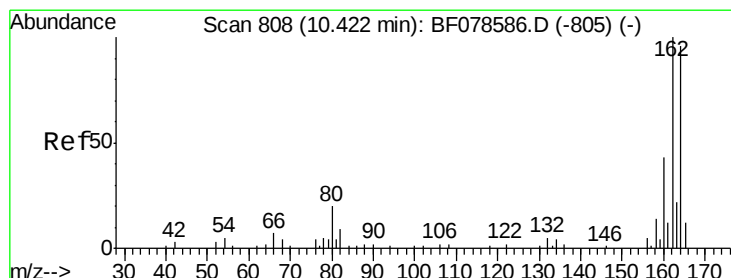
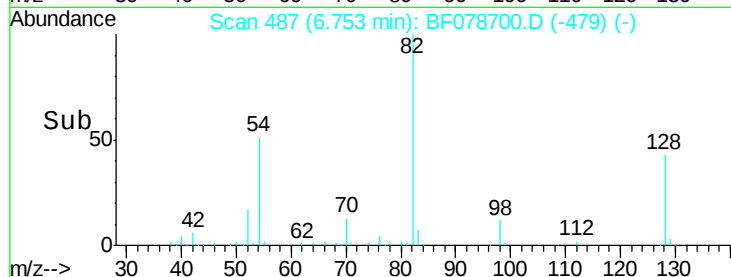
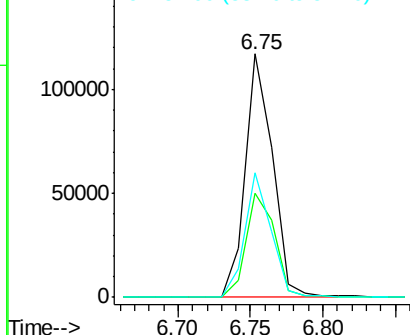


Abundance

Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.17 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: BF078700.D
 Acq: 21 Apr 2015 23:42

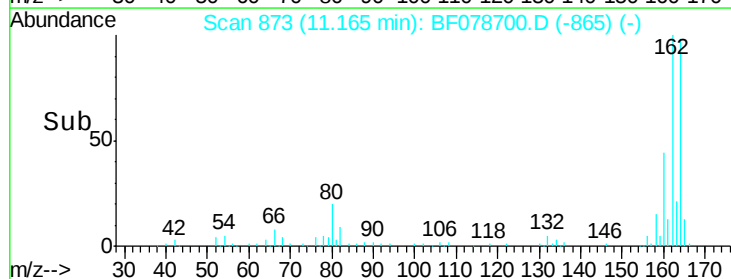
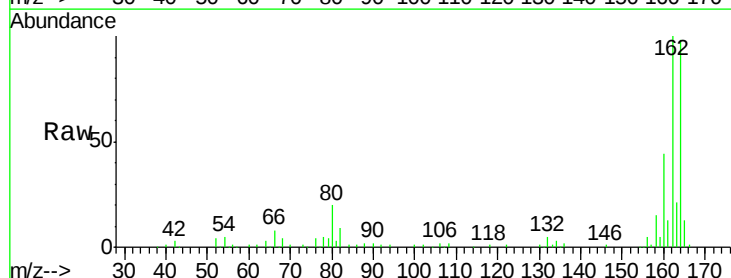
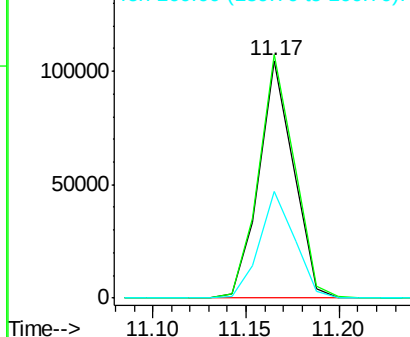
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	134773		
162	102.4	82.2	123.2	
160	44.6	34.7	52.1	

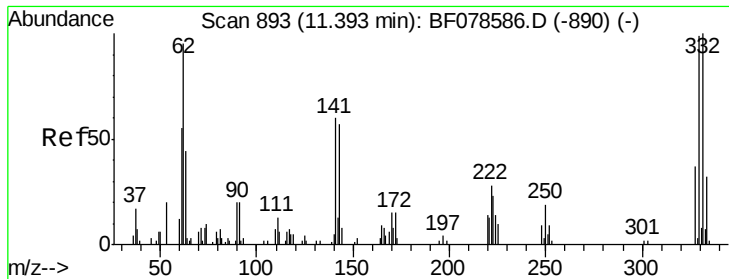
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 60.14 ng

RT: 12.64 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF078700.D

Acq: 21 Apr 2015 23:42

Instrument :

BNA_F

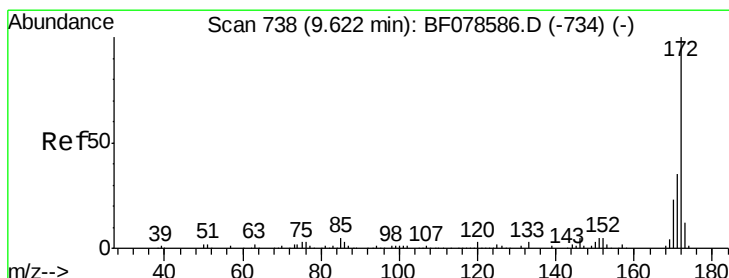
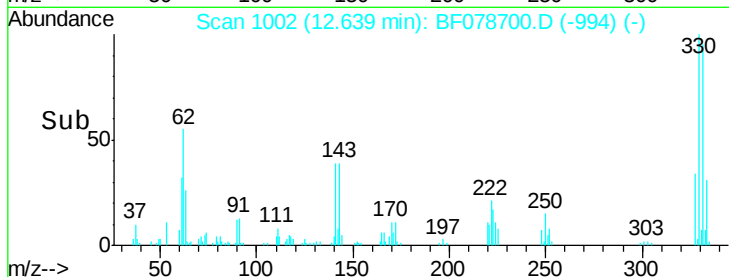
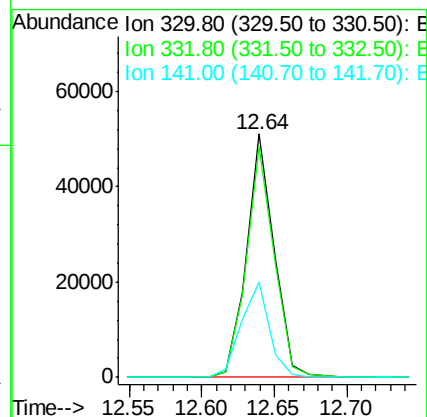
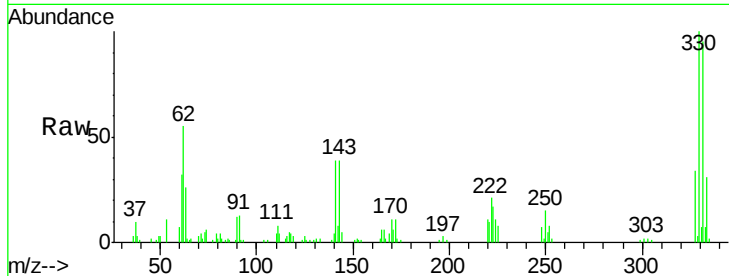
ClientSampled :

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Tot Ion:	330	Resp:	67226
Ion Ratio	Lower	Upper	
330	100		
332	95.2	78.6	117.8
141	40.0	31.2	46.8

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#44

2-Fluorobiphenyl

Concen: 36.43 ng

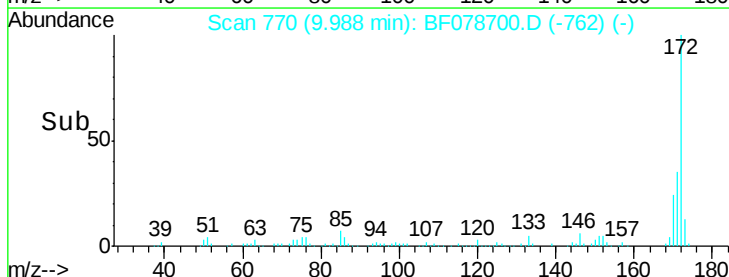
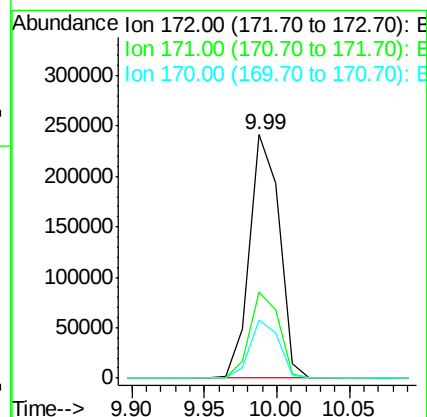
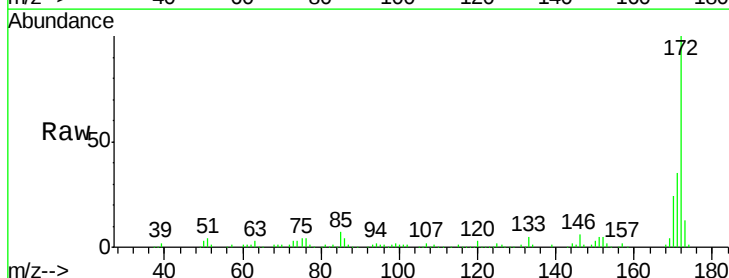
RT: 9.99 min Scan# 770

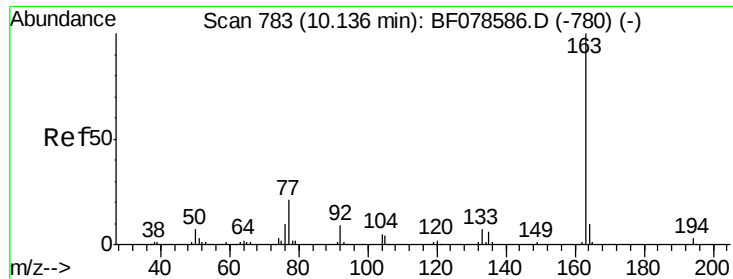
Delta R.T. -0.01 min

Lab File: BF078700.D

Acq: 21 Apr 2015 23:42

Tgt Ion:	172	Resp:	343449
Ion Ratio	Lower	Upper	
172	100		
171	35.2	28.6	42.8
170	24.0	18.5	27.7





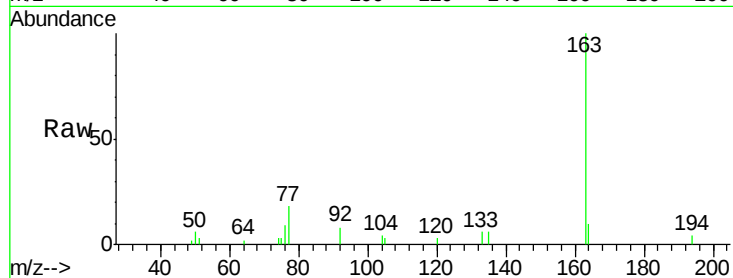
#49
Dimethylphthalate
Concen: 2.13 ng
RT: 10.80 min Scan# 841
Delta R.T. -0.01 min
Lab File: BF078700.D
Acq: 21 Apr 2015 23:42

Instrument :
BNA_F
ClientSampleId :
SW-017

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.3	3.5#
164	10.5	8.6	13.0

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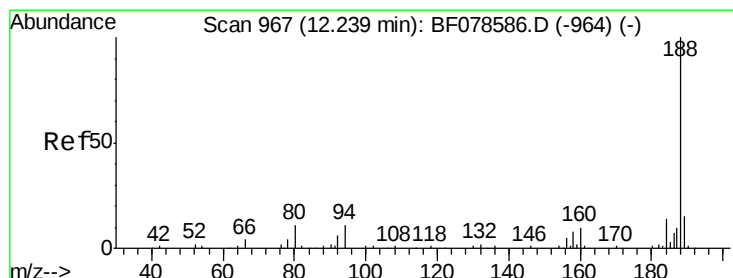
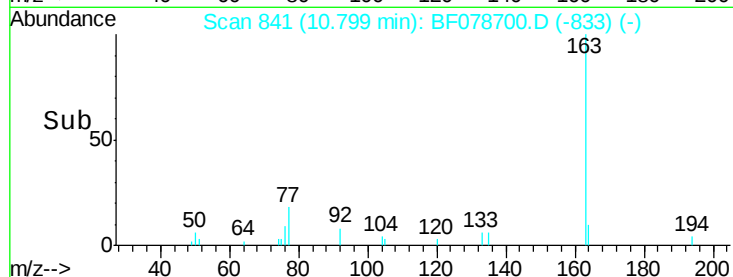
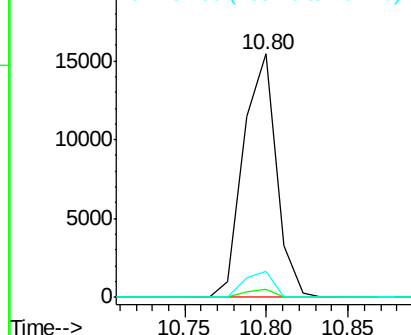


Abundance

Ion 163.00 (162.70 to 163.70): E

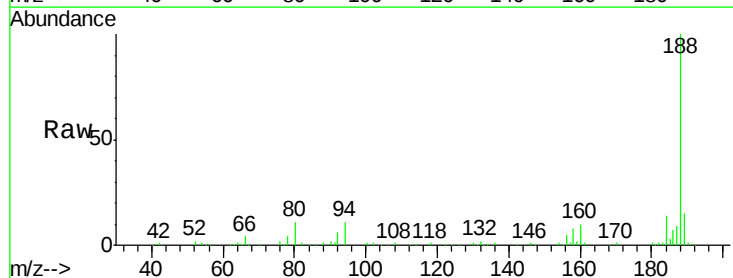
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 13.90 min Scan# 1112
Delta R.T. -0.01 min
Lab File: BF078700.D
Acq: 21 Apr 2015 23:42

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.0	13.4
80	11.4	9.5	14.3

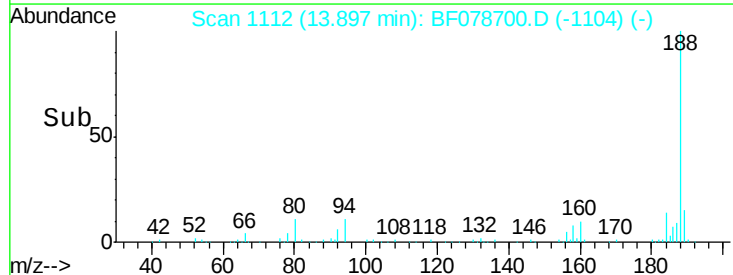
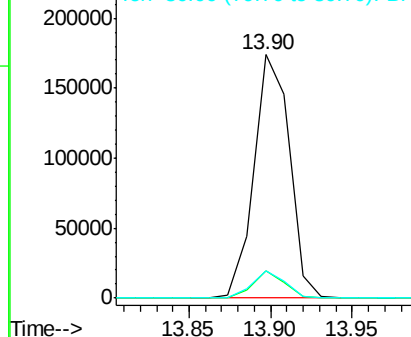


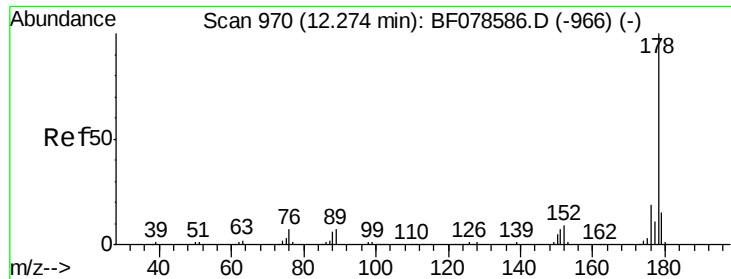
Abundance

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





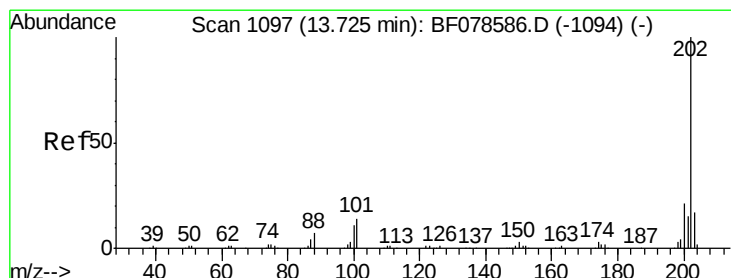
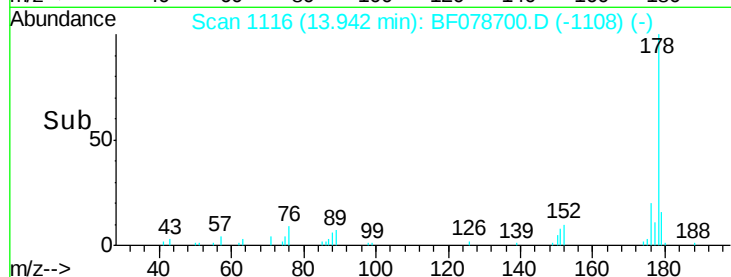
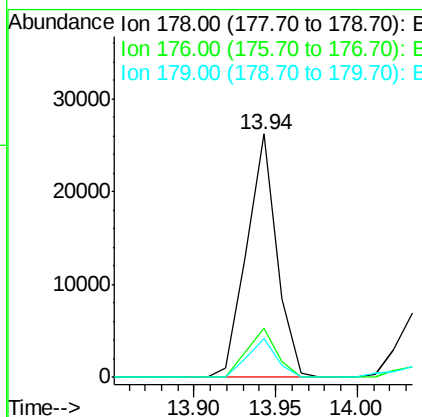
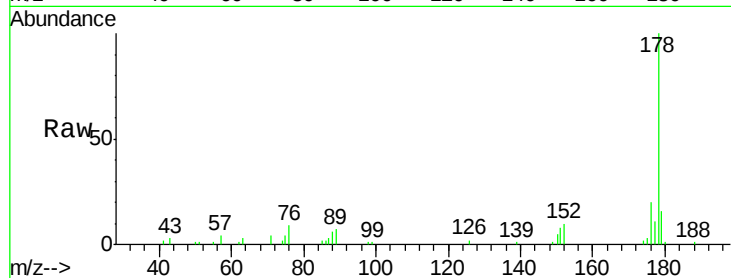
#70
 Phenanthrene
 Concen: 2.21 ng
 RT: 13.94 min Scan# 1116
 Delta R.T. -0.01 min
 Lab File: BF078700.D
 Acq: 21 Apr 2015 23:42

Instrument :
 BNA_F
 ClientSampleId :
 SW-017

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.4	23.0
179	16.1	12.2	18.2

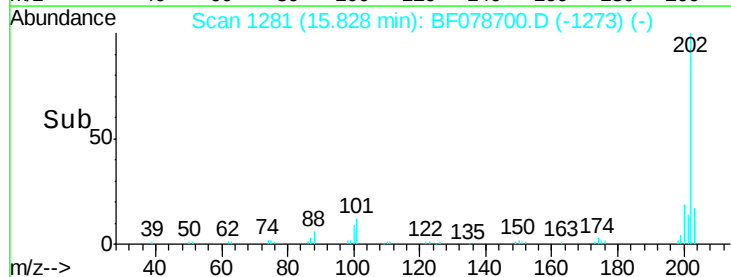
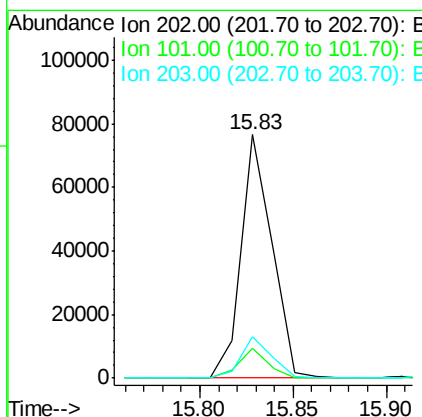
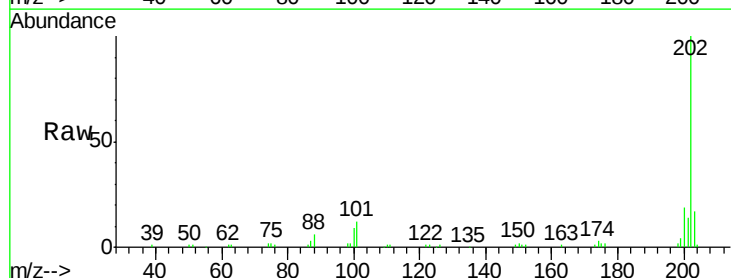
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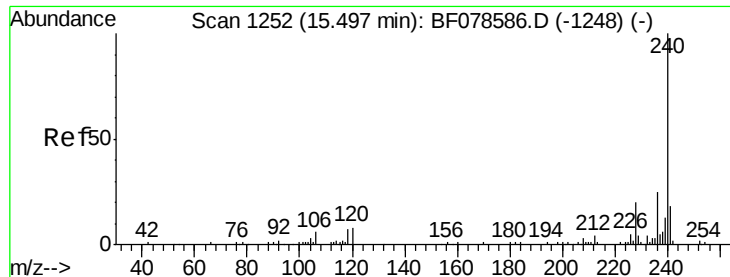
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#74
 Fluoranthene
 Concen: 5.54 ng
 RT: 15.83 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: BF078700.D
 Acq: 21 Apr 2015 23:42

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	35.2
203	17.1	0.0	38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 17.77 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF078700.D

Acq: 21 Apr 2015 23:42

Instrument :

BNA_F

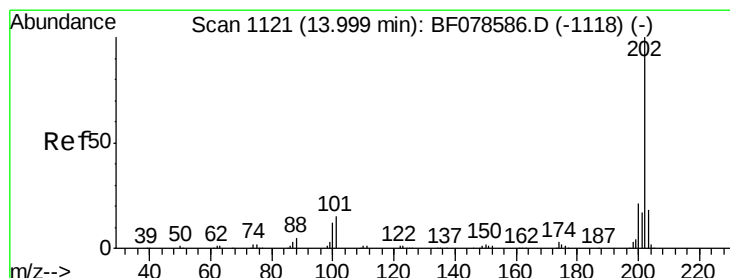
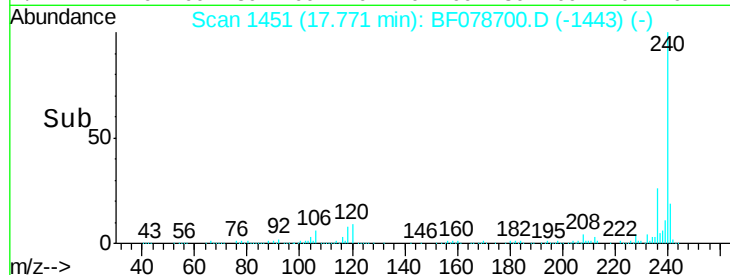
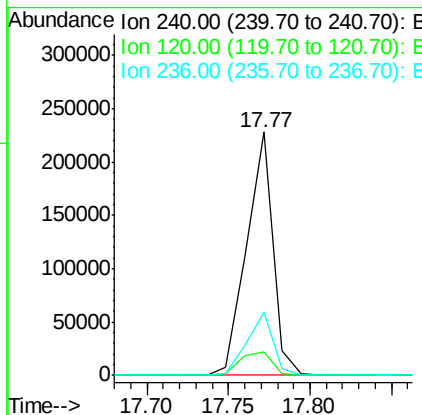
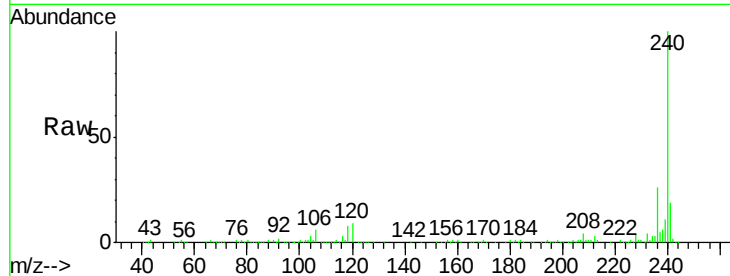
ClientSampleId :

SW-017

Tot Ion:	240	Resp:	256421
Ion Ratio	Lower	Upper	
240	100		
120	9.4	7.1	10.7
236	25.8	21.4	32.2

Manual Integrations
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#77

Pyrene

Concen: 4.99 ng

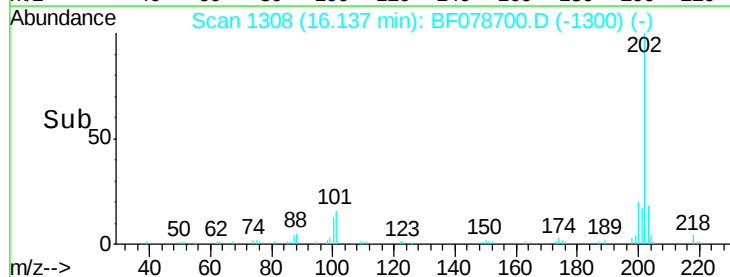
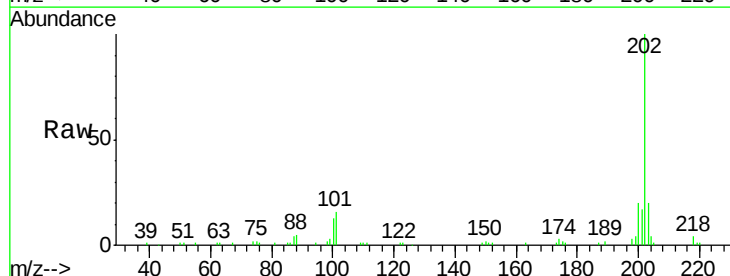
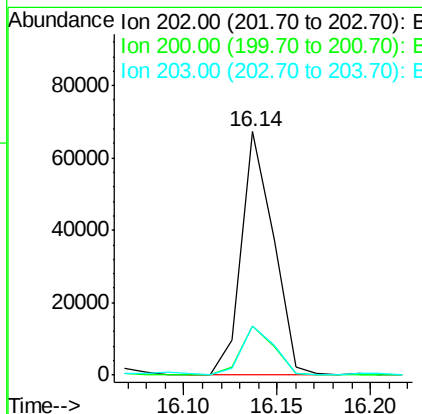
RT: 16.14 min Scan# 1308

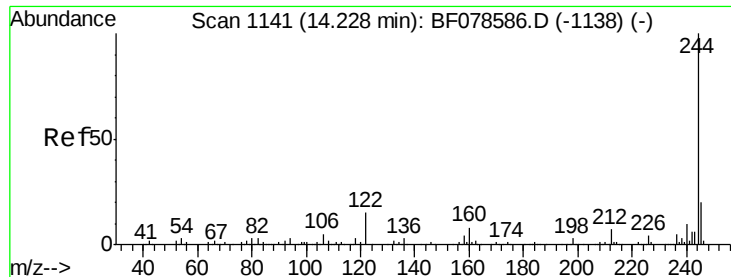
Delta R.T. -0.01 min

Lab File: BF078700.D

Acq: 21 Apr 2015 23:42

Tgt Ion:	202	Resp:	80324
Ion Ratio	Lower	Upper	
202	100		
200	20.3	16.3	24.5
203	20.0	13.8	20.6





#78

Terphenyl-d14

Concen: 32.91 ng

RT: 16.43 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BF078700.D

Acq: 21 Apr 2015 23:42

Instrument :

BNA_F

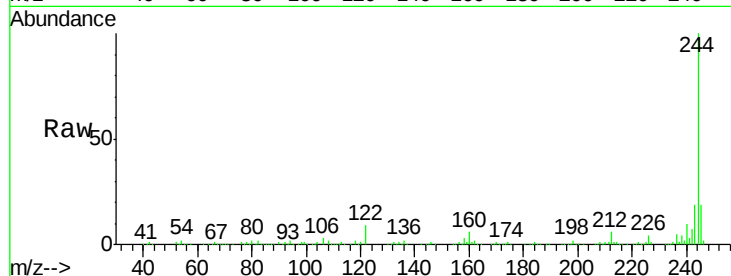
ClientSampleId :

SW-017

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.0	7.4
122	9.4	7.1	10.7

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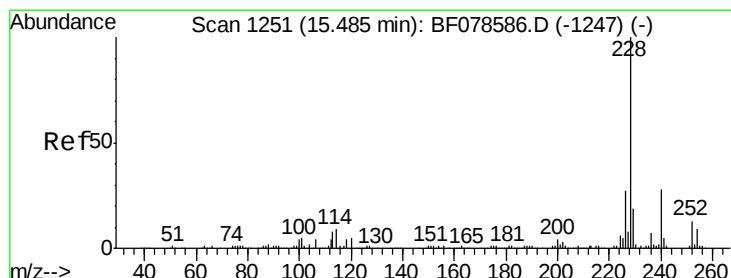
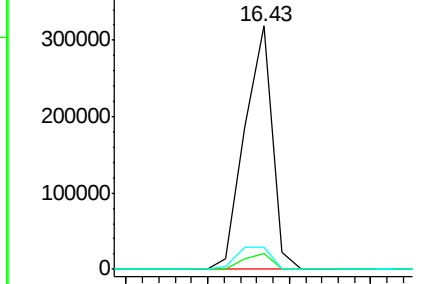
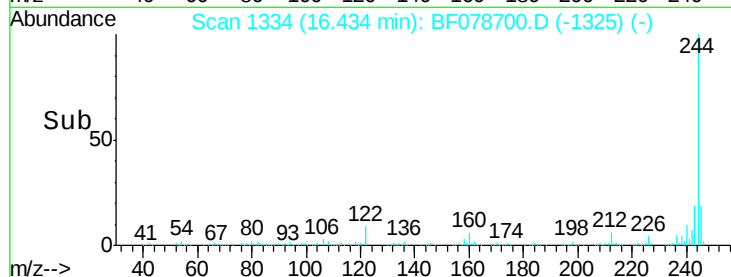


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

16.43



#80

Benzo(a)anthracene

Concen: 3.54 ng

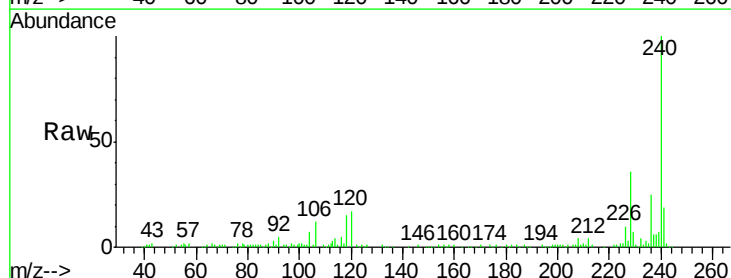
RT: 17.76 min Scan# 1450

Delta R.T. 0.00 min

Lab File: BF078700.D

Acq: 21 Apr 2015 23:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.3	31.9
229	20.1	15.4	23.2

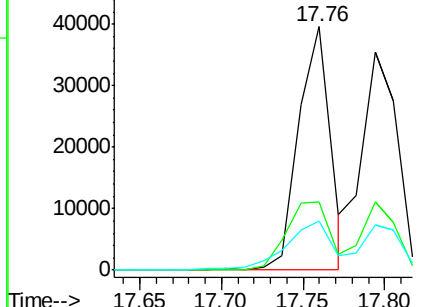
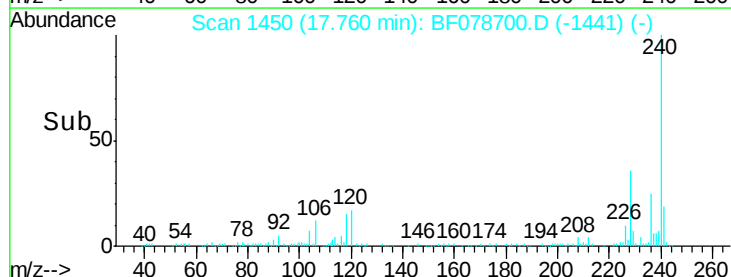


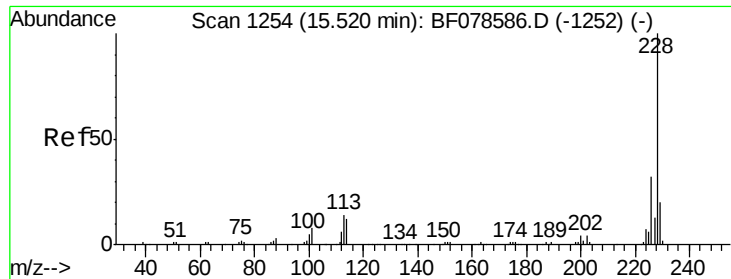
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

17.76





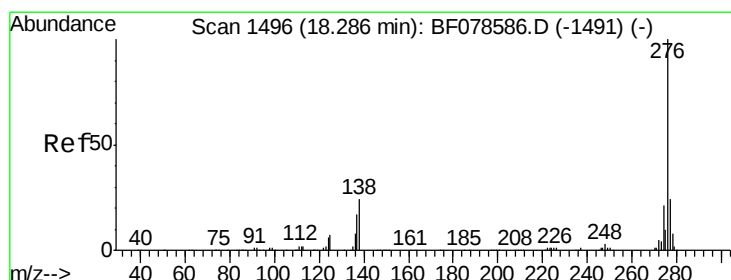
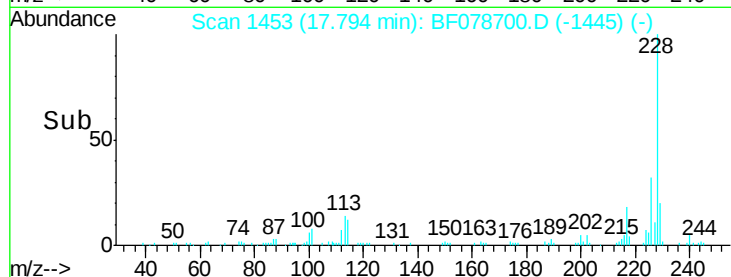
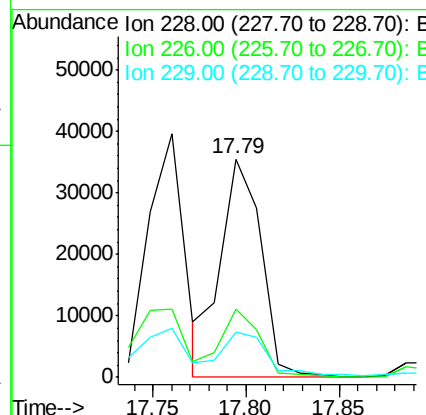
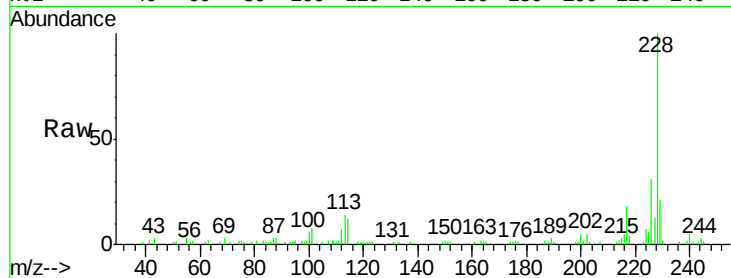
#82
Chrysene
Concen: 3.76 ng
RT: 17.79 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF078700.D
Acq: 21 Apr 2015 23:42

Instrument :
BNA_F
ClientSampled :
SW-017

Tot Ion:228	Resp:	53891
Ion Ratio	Lower	Upper
228 100		
226 31.2	24.2	36.4
229 20.8	15.8	23.8

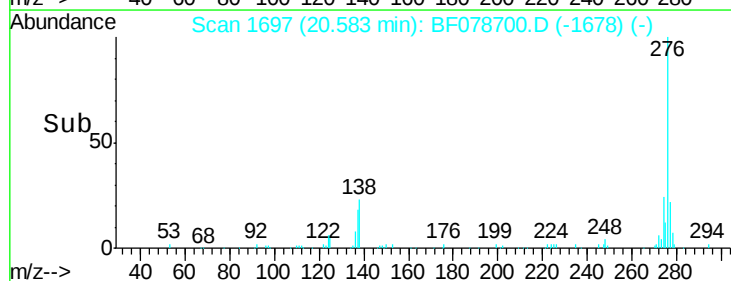
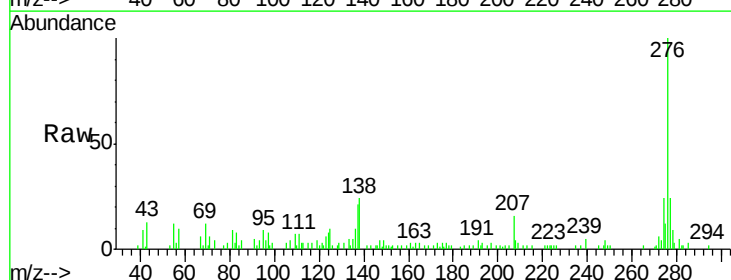
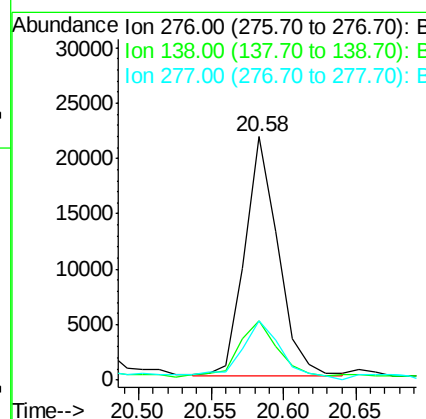
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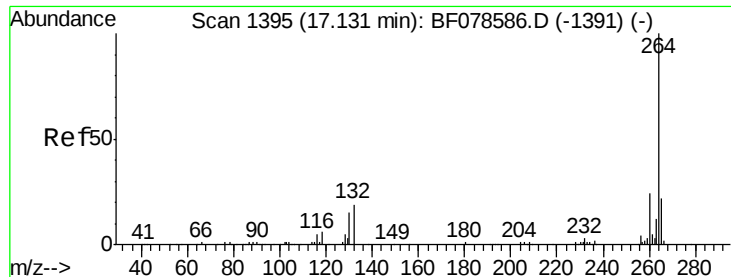
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.14 ng
RT: 20.58 min Scan# 1697
Delta R.T. -0.08 min
Lab File: BF078700.D
Acq: 21 Apr 2015 23:42

Tgt Ion:276	Resp:	34885
Ion Ratio	Lower	Upper
276 100		
138 26.9	16.9	25.3#
277 31.2	15.8	23.6#





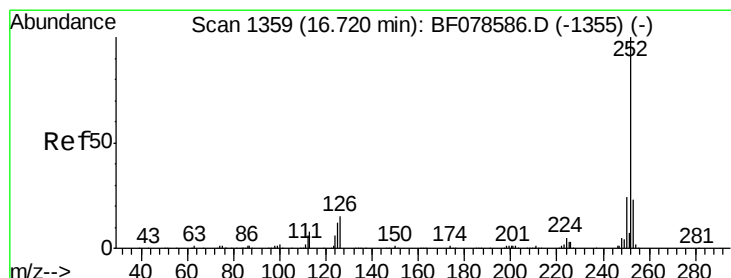
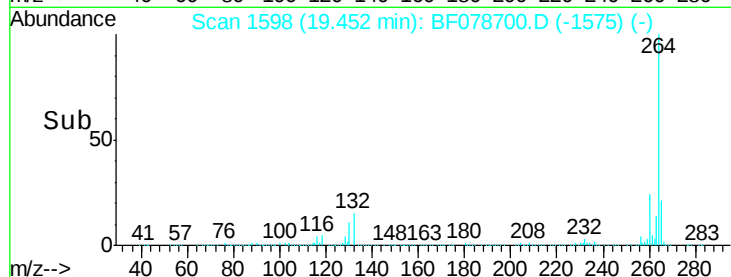
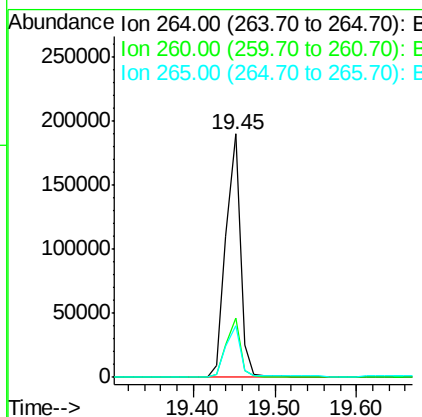
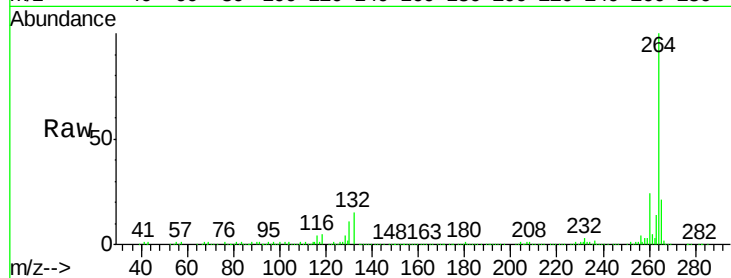
#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.45 min Scan# 1598
Delta R.T. -0.03 min
Lab File: BF078700.D
Acq: 21 Apr 2015 23:42

Instrument :
BNA_F
ClientSampleId :
SW-017

Tot Ion:	264	Resp:	235856
Ion Ratio	Lower	Upper	
264	100		
260	24.2	18.6	27.8
265	21.0	17.0	25.6

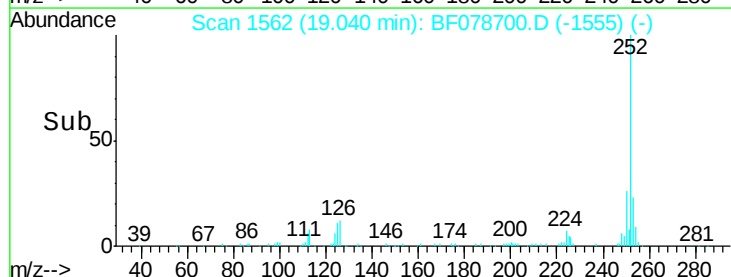
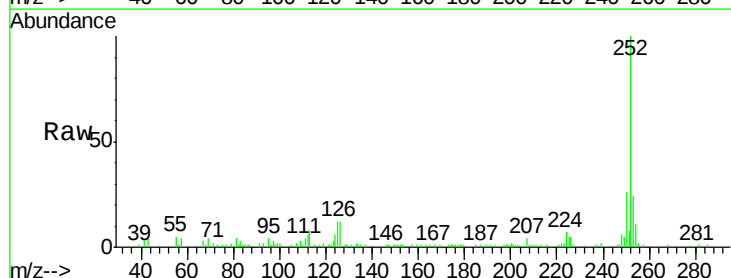
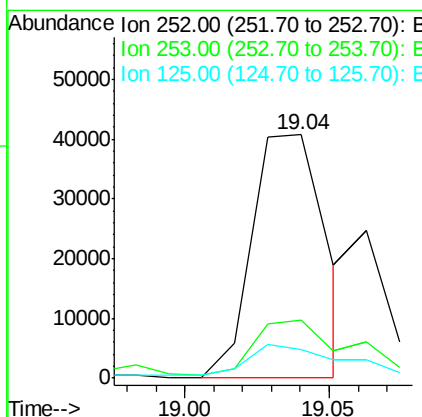
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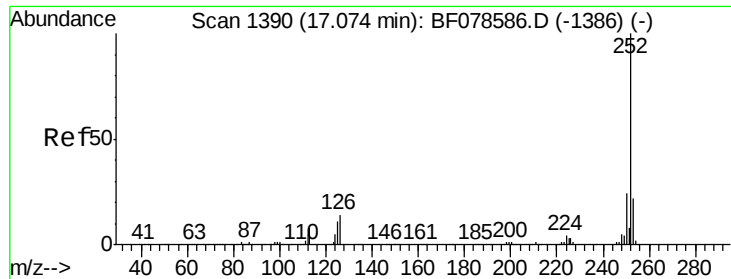
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#87
Benzo(b)fluoranthene
Concen: 4.98 ng m
RT: 19.04 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF078700.D
Acq: 21 Apr 2015 23:42

Tgt Ion:	252	Resp:	72625
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.2	25.8
125	11.9	7.0	10.4#





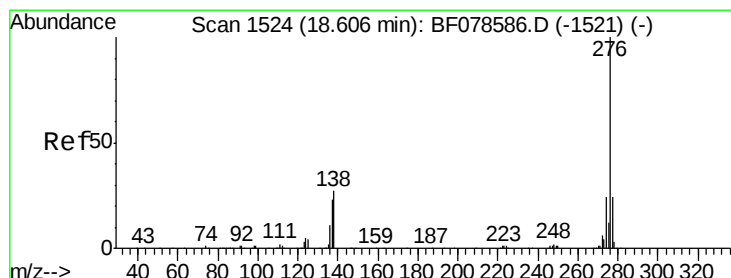
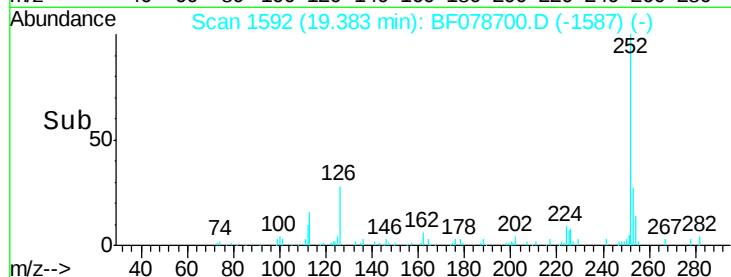
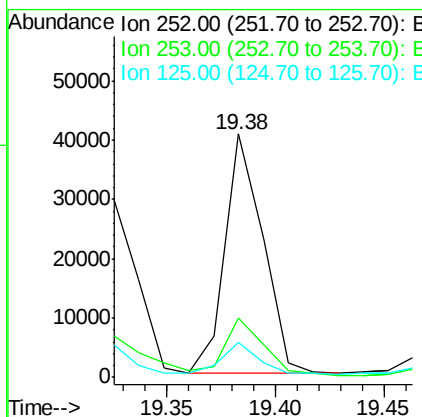
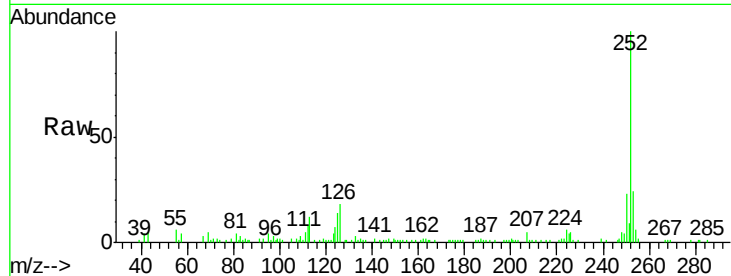
#89
Benzo(a)pyrene
Concen: 3.83 ng
RT: 19.38 min Scan# 1592
Delta R.T. -0.05 min
Lab File: BF078700.D
Acq: 21 Apr 2015 23:42

Instrument :
BNA_F
ClientSampleId :
SW-017

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	16.8	25.2
125	14.3	7.4	11.0

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.51 ng
RT: 20.90 min Scan# 1725
Delta R.T. -0.08 min
Lab File: BF078700.D
Acq: 21 Apr 2015 23:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.0	28.4
138	22.9	19.9	29.9

