

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042015\
 Data File : BF078675.D
 Acq On : 21 Apr 2015 9:01
 Operator : TP/IZ
 Sample : G1943-09 10X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-C-3

Manual Integrations
 APPROVED

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 4/21/2015 5:04:43 PM

Quant Time: Apr 21 12:51:33 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 16:32:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	32030	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	132811	20.00	ng	0.00
38) Acenaphthene-d10	11.20	164	67045	20.00	ng	-0.01
63) Phenanthrene-d10	13.94	188	128089	20.00	ng	0.00
75) Chrysene-d12	17.81	240	123394	20.00	ng	0.00
86) Perylene-d12	19.51	264	127031	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.87	112	17388	8.95	ng	0.00
7) Phenol-d6	5.36	99	24819	10.19	ng	0.00
23) Nitrobenzene-d5	6.80	82	15046	6.87	ng	0.00
41) 2,4,6-Tribromophenol	12.67	330	5608	10.09	ng	-0.01
44) 2-Fluorobiphenyl	10.02	172	35150	7.49	ng	-0.01
78) Terphenyl-d14	16.46	244	37749	6.91	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	10.83	163	10937	2.17	ng	# 98
51) Acenaphthene	11.26	154	18775	4.79	ng	99
54) Dibenzofuran	11.59	168	19229	3.21	ng	99
57) Fluorene	12.22	166	33364	6.87	ng	99
70) Phenanthrene	13.99	178	515176	69.53	ng	100
71) Anthracene	14.07	178	136481	18.69	ng	99
72) Carbazole	14.40	167	23498	3.43	ng	96
74) Fluoranthene	15.87	202	747370	95.65	ng	93
77) Pyrene	16.18	202	609916	78.74	ng	# 93
80) Benzo(a)anthracene	17.79	228	298688	40.68	ng	99
82) Chrysene	17.83	228	256506	37.19	ng	99
85) Indeno(1,2,3-cd)pyrene	20.67	276	154960m	19.80	ng	
87) Benzo(b)fluoranthene	19.09	252	315461m	40.18	ng	
88) Benzo(k)fluoranthene	19.11	252	117992m	16.91	ng	
89) Benzo(a)pyrene	19.44	252	231771	33.83	ng	# 93
90) Dibenzo(a,h)anthracene	20.70	278	28934	4.22	ng	# 89
91) Benzo(a,h,i)perylene	20.99	276	136340	19.82	ng	99

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

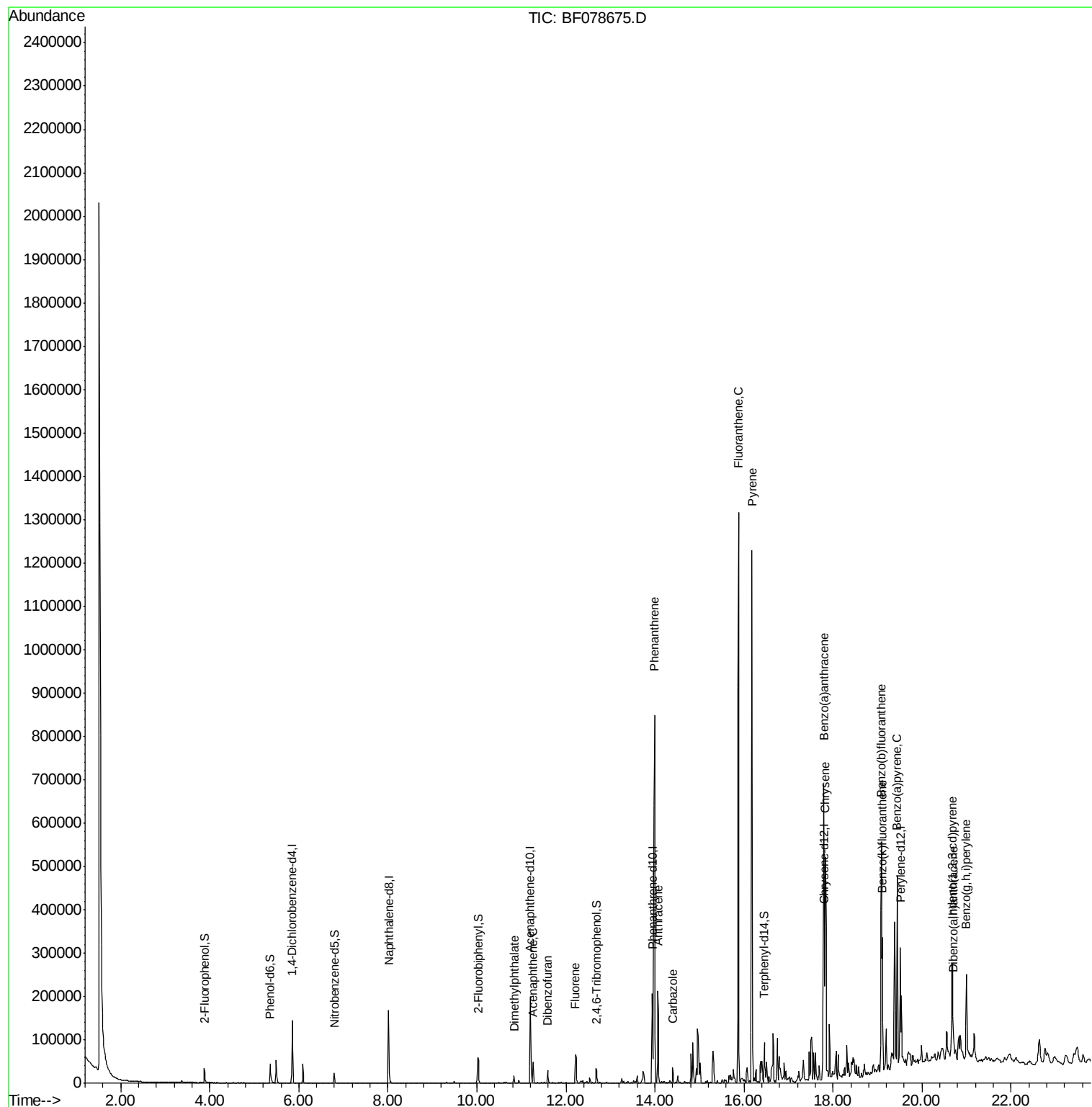
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042015\
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#1

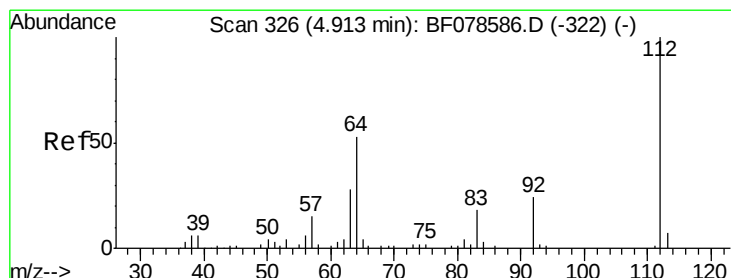
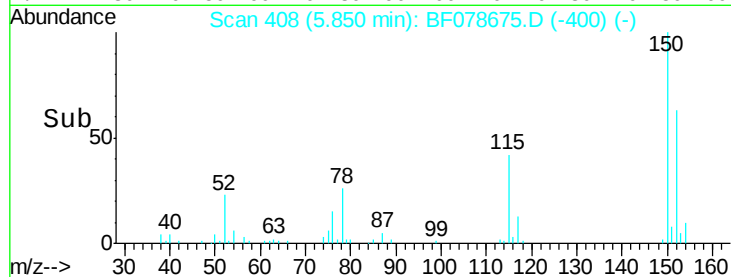
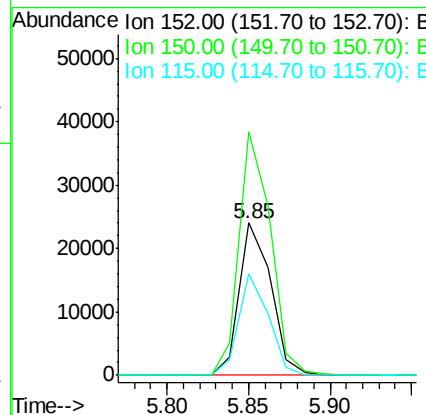
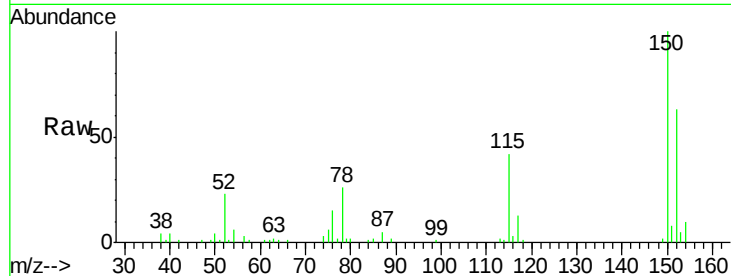
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.85 min Scan# 408
Delta R.T. -0.01 min
Lab File: BF078675.D
Acq: 21 Apr 2015 9:01

Instrument :
BNA_F
ClientSampled :
SP-C-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	125.9	188.9
115	67.0	52.7	79.1

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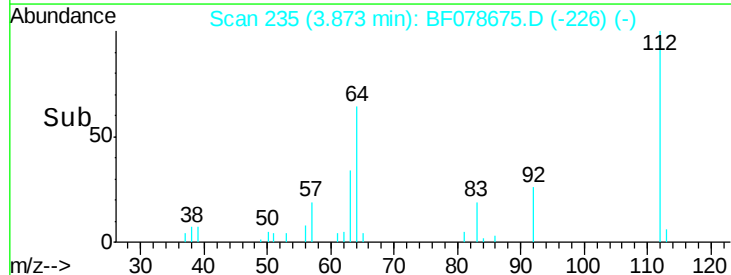
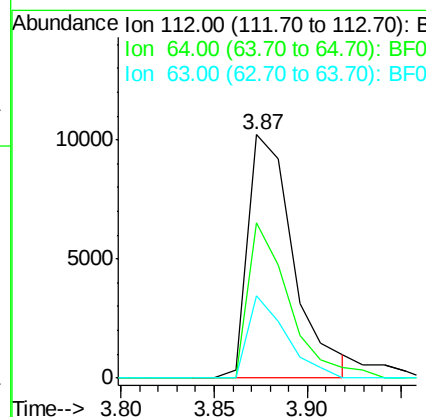
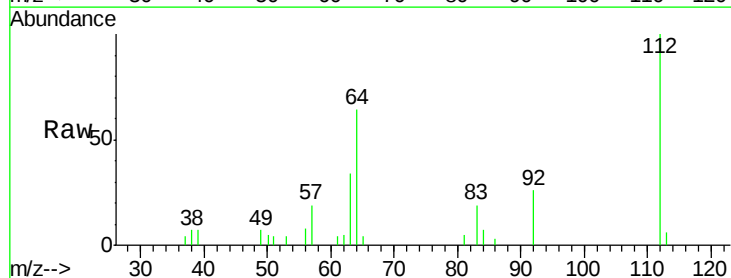
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#5

2-Fluorophenol
Concen: 8.95 ng
RT: 3.87 min Scan# 235
Delta R.T. 0.00 min
Lab File: BF078675.D
Acq: 21 Apr 2015 9:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.7	39.9	59.9#
63	33.9	20.2	30.4#





#7

Phenol-d6

Concen: 10.19 ng

RT: 5.36 min Scan# 365

Delta R.T. 0.00 min

Lab File: BF078675.D

Acq: 21 Apr 2015 9:01

Instrument :

BNA_F

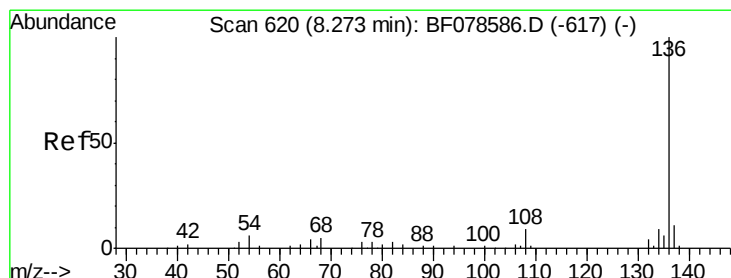
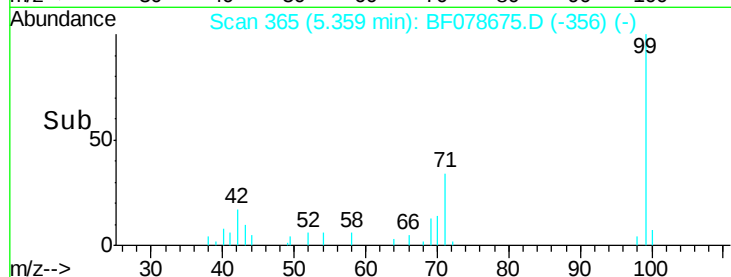
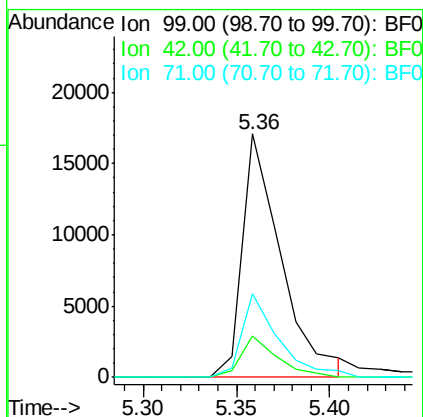
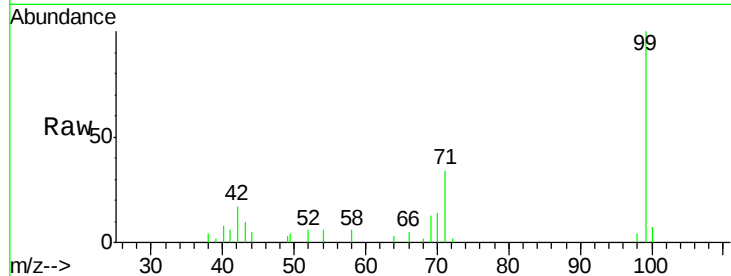
ClientSampleId :

SP-C-3

Tot Ion:	99	Resp:	24819
Ion Ratio	Lower	Upper	
99	100		
42	16.7	14.8	22.2
71	34.2	26.6	39.8

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#21

Naphthalene-d8

Concen: 20.00 ng

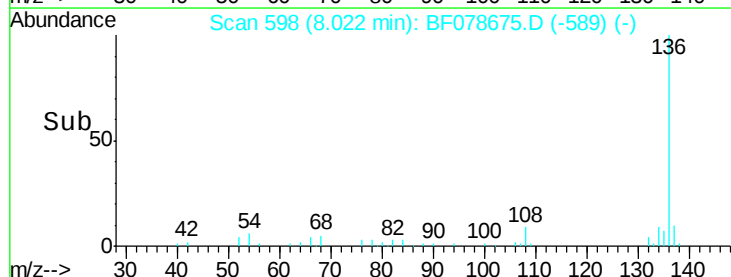
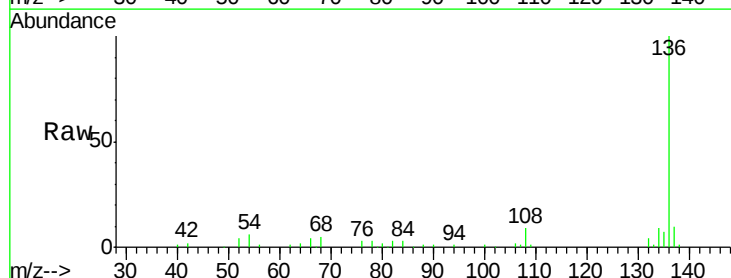
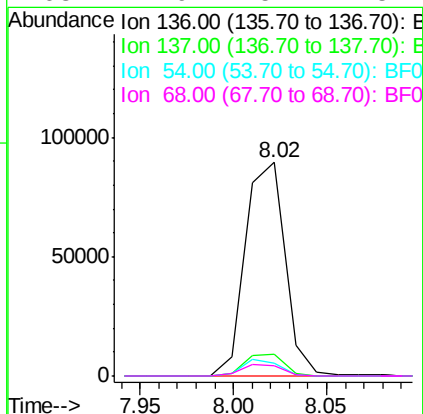
RT: 8.02 min Scan# 598

Delta R.T. 0.00 min

Lab File: BF078675.D

Acq: 21 Apr 2015 9:01

Tgt Ion:	136	Resp:	132811
Ion Ratio	Lower	Upper	
136	100		
137	10.5	9.0	13.4
54	6.0	7.0	10.6#
68	4.9	5.4	8.2#





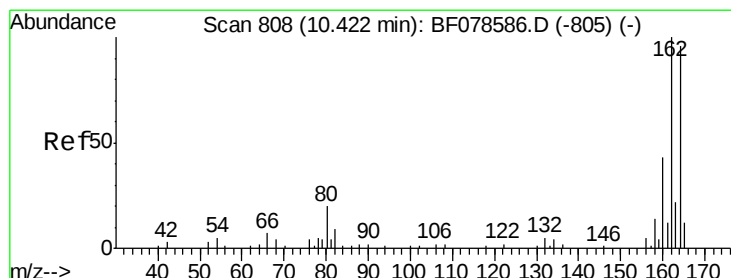
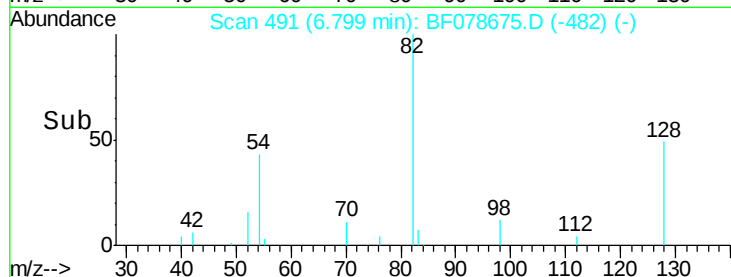
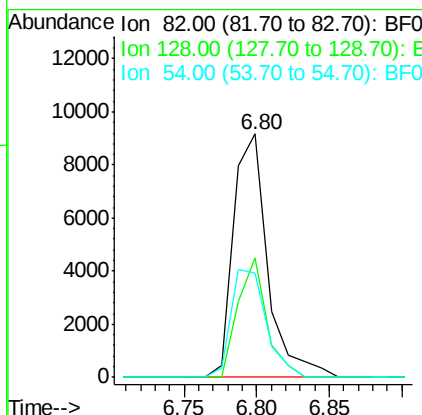
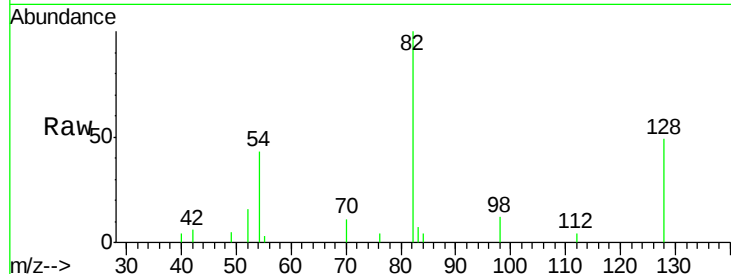
#23
 Nitrobenzene-d5
 Concen: 6.87 ng
 RT: 6.80 min Scan# 491
 Delta R.T. 0.00 min
 Lab File: BF078675.D
 Acq: 21 Apr 2015 9:01

Instrument :
 BNA_F
 ClientSampleId :
 SP-C-3

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.0	31.8	47.8
54	42.9	41.5	62.3

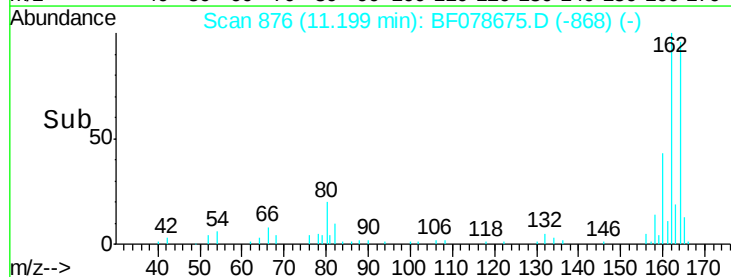
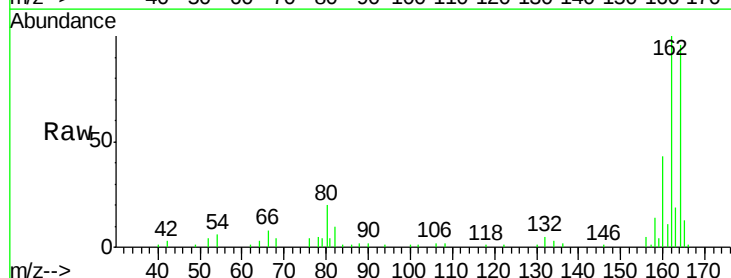
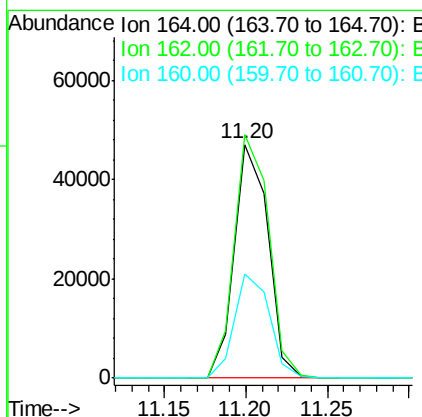
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: BF078675.D
 Acq: 21 Apr 2015 9:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.1	82.2	123.2
160	44.7	34.7	52.1





#41

2,4,6-Tribromophenol

Concen: 10.09 ng

RT: 12.67 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF078675.D

Acq: 21 Apr 2015 9:01

Instrument :

BNA_F

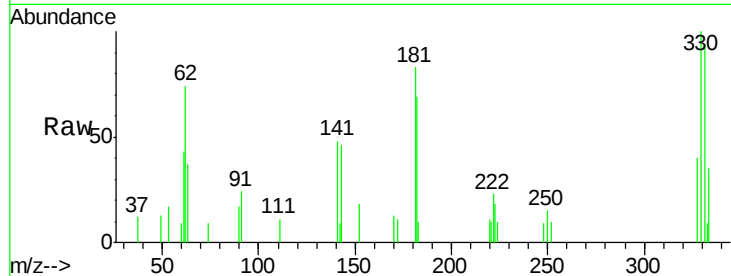
ClientSampled :

SP-C-3

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	100.4	78.6	117.8	
141	39.0	31.2	46.8	

Manual Integrations
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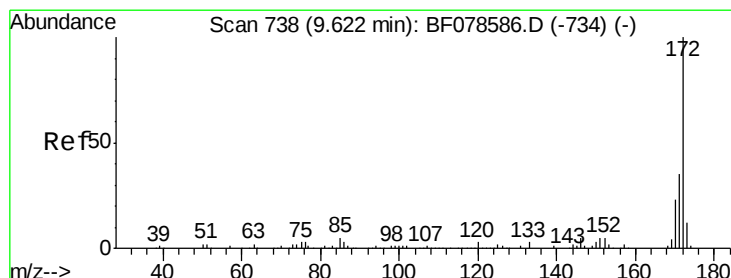
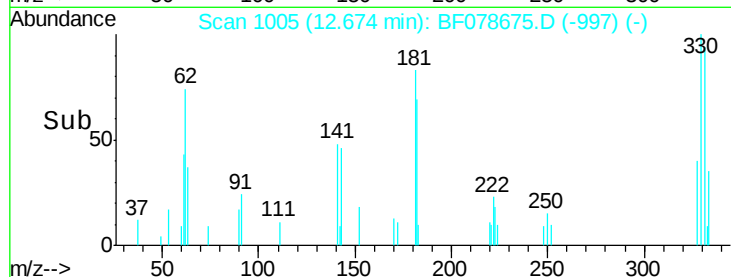
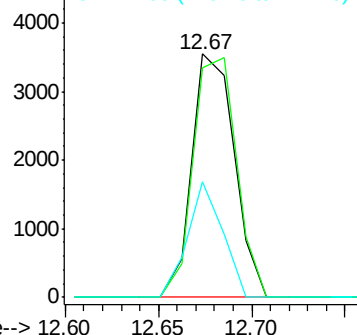
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Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 7.49 ng

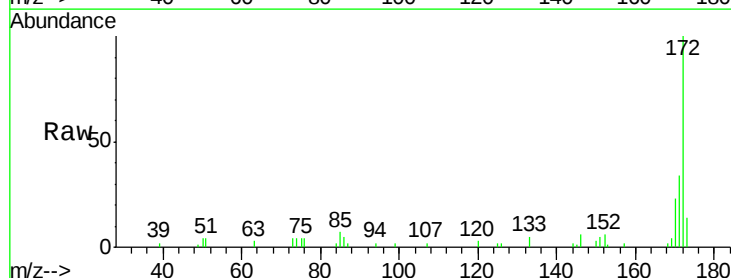
RT: 10.02 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF078675.D

Acq: 21 Apr 2015 9:01

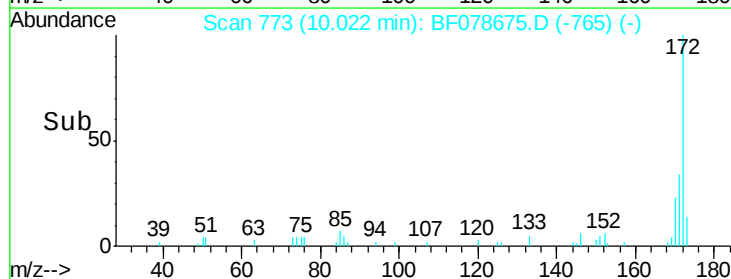
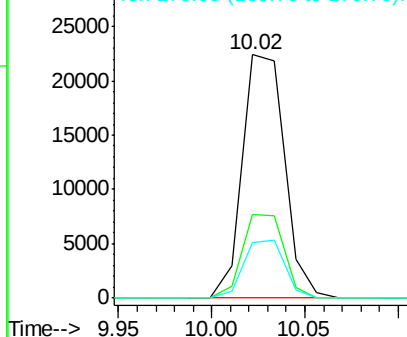
Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.3	28.6	42.8	
170	22.7	18.5	27.7	

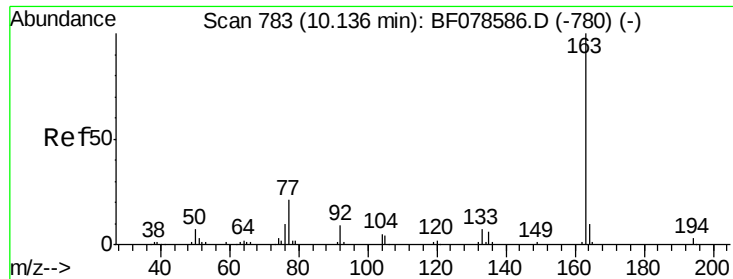


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





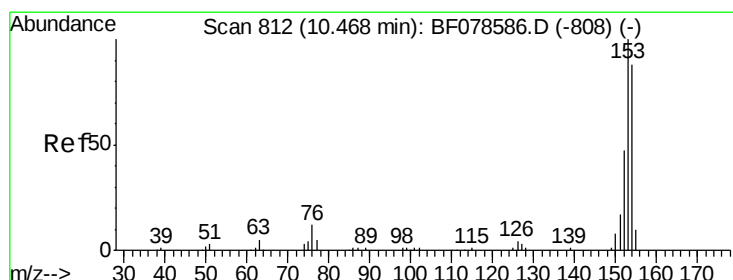
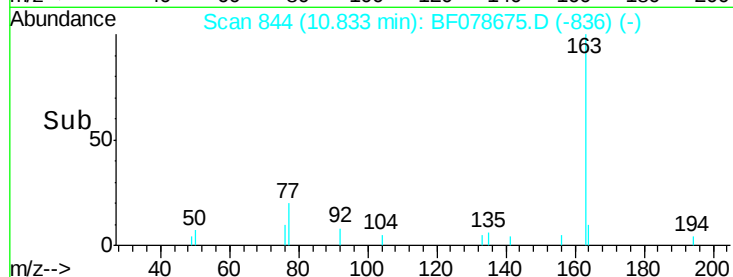
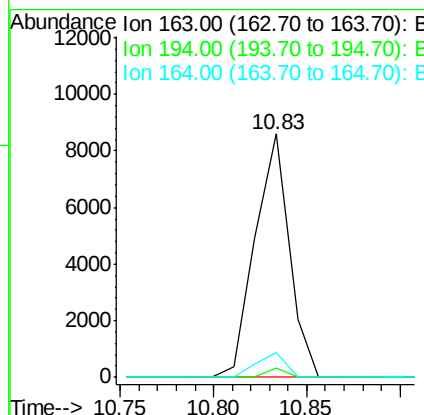
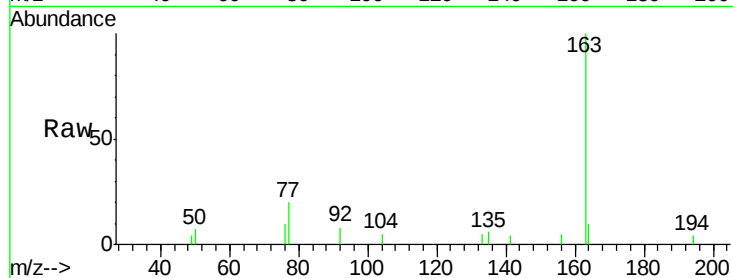
#49
Dimethylphthalate
Concen: 2.17 ng
RT: 10.83 min Scan# 844
Delta R.T. -0.01 min
Lab File: BF078675.D
Acq: 21 Apr 2015 9:01

Instrument :
BNA_F
ClientSampleId :
SP-C-3

Tot Ion	Ratio	Resp	Lower	Upper
163	100	10937		
194	3.6	2.3	3.5#	
164	10.1	8.6	13.0	

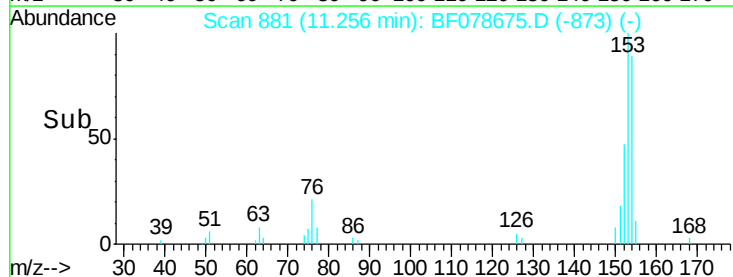
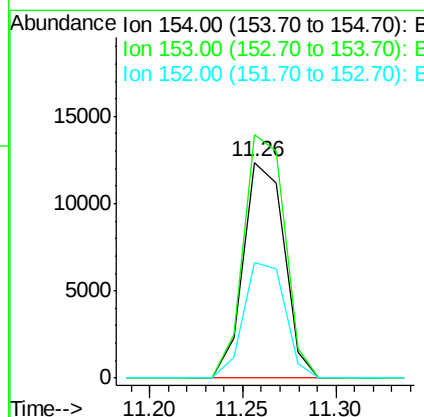
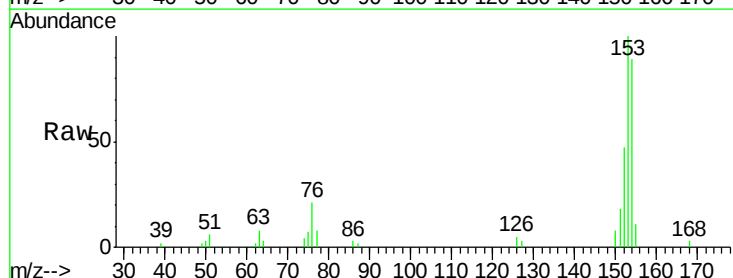
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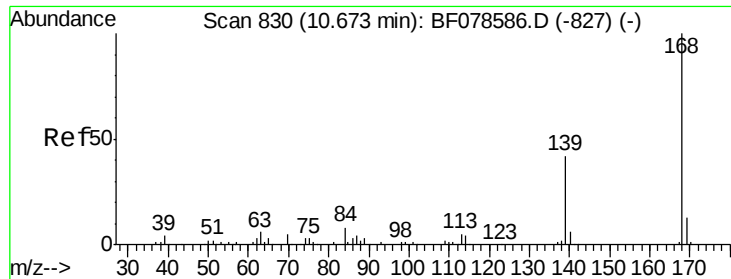
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#51
Acenaphthene
Concen: 4.79 ng
RT: 11.26 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF078675.D
Acq: 21 Apr 2015 9:01

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	18775		
153	112.8	91.4	137.2	
152	53.4	43.0	64.6	





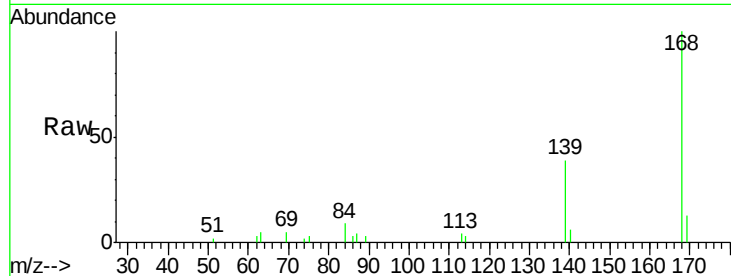
#54
Dibenzenofuran
Concen: 3.21 ng
RT: 11.59 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF078675.D
Acq: 21 Apr 2015 9:01

Instrument :
BNA_F
ClientSampleId :
SP-C-3

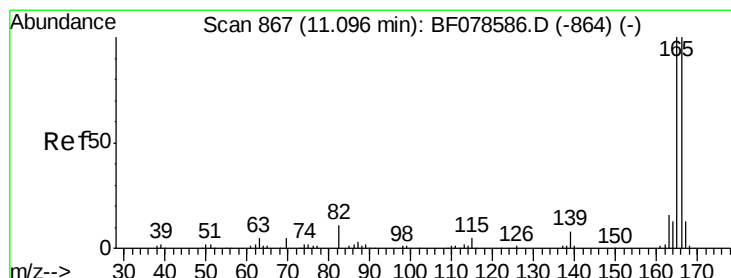
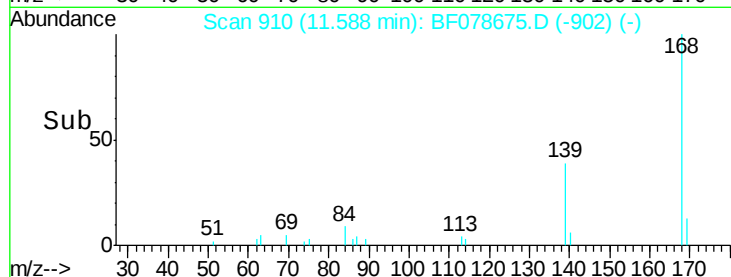
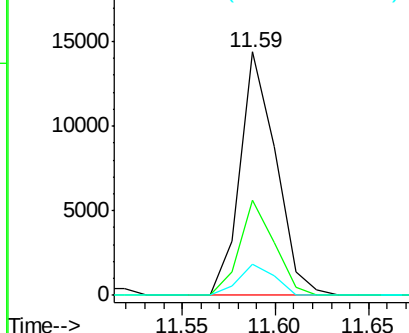
Tot Ion	Ratio	Lower	Upper
168	100		
139	39.2	31.0	46.4
169	13.0	10.7	16.1

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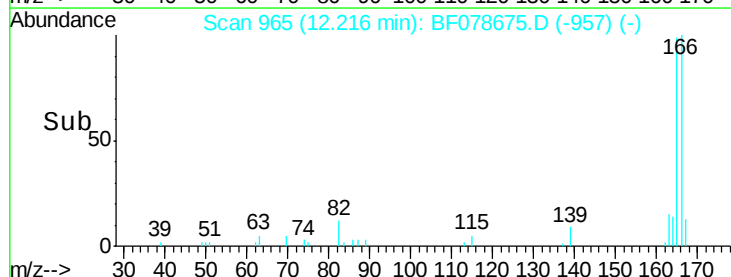
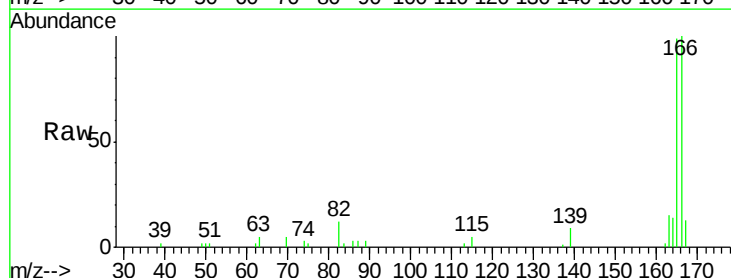
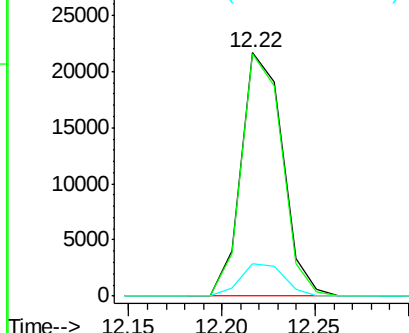
Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

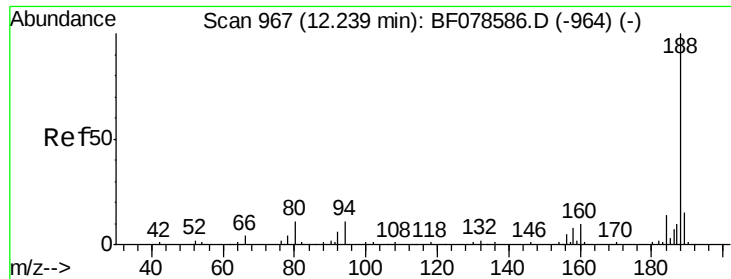


#57
Fluorene
Concen: 6.87 ng
RT: 12.22 min Scan# 965
Delta R.T. -0.01 min
Lab File: BF078675.D
Acq: 21 Apr 2015 9:01

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.4	78.9	118.3
167	13.2	10.7	16.1

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





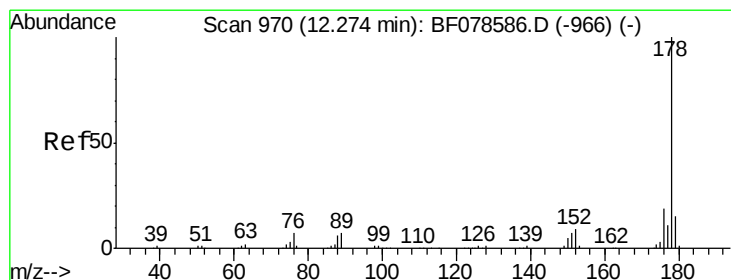
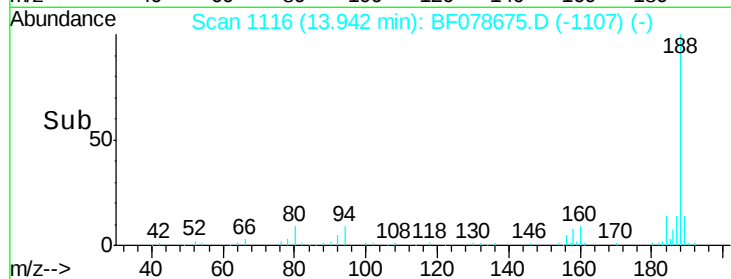
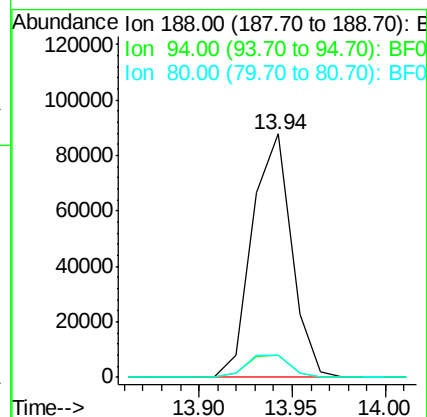
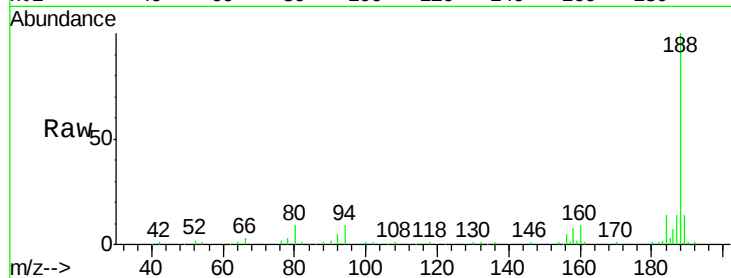
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 13.94 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BF078675.D
Acq: 21 Apr 2015 9:01

Instrument :
BNA_F
ClientSampleId :
SP-C-3

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.1	9.0	13.4
80	9.0	9.5	14.3#

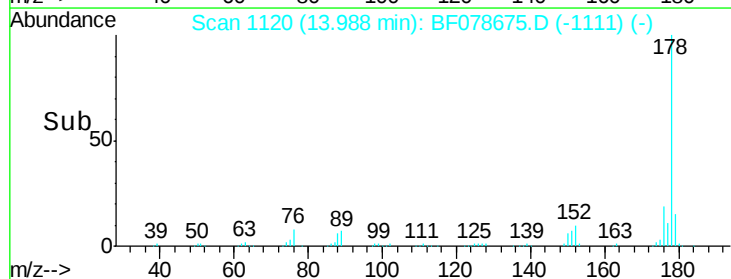
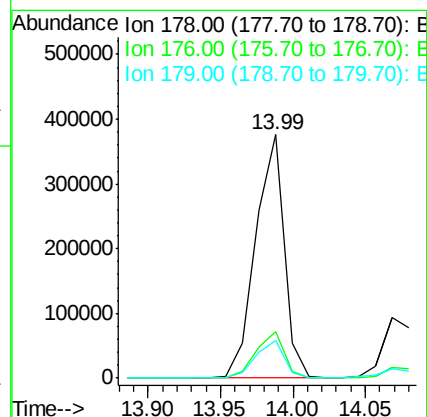
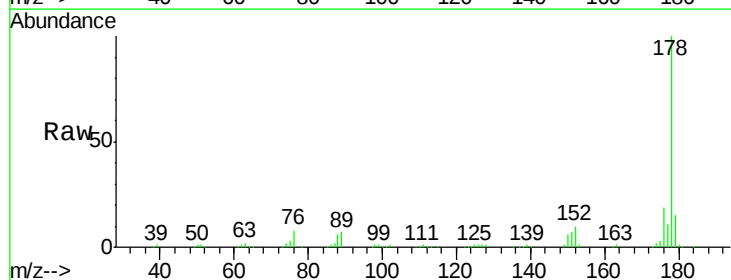
Manual Integrations
APPROVED

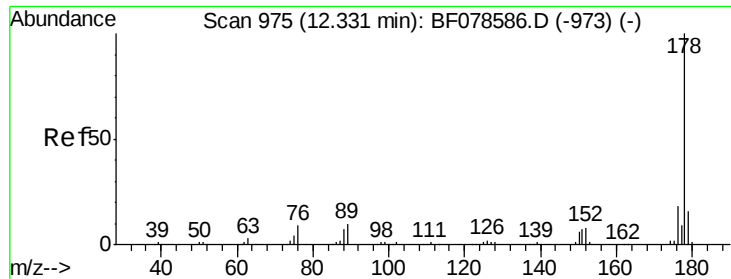
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#70
Phenanthrene
Concen: 69.53 ng
RT: 13.99 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BF078675.D
Acq: 21 Apr 2015 9:01

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.2	12.2	18.2





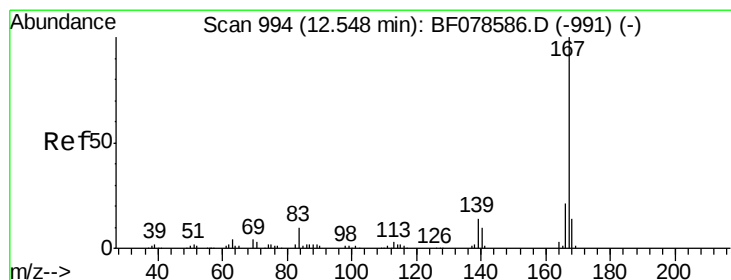
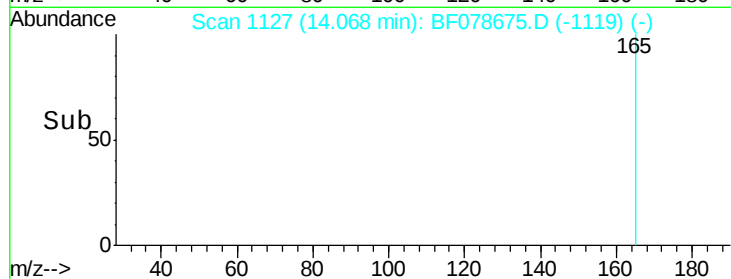
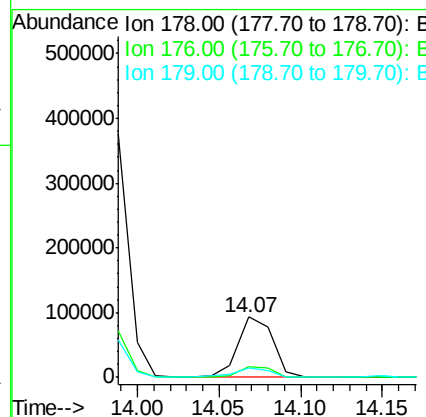
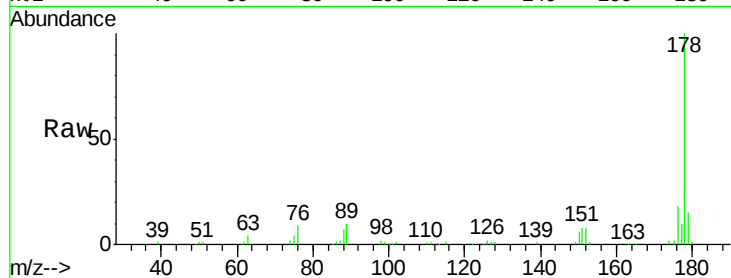
#71
 Anthracene
 Concen: 18.69 ng
 RT: 14.07 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: BF078675.D
 Acq: 21 Apr 2015 9:01

Instrument :
 BNA_F
 ClientSampled :
 SP-C-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.6	14.8	22.2
179	15.5	12.4	18.6

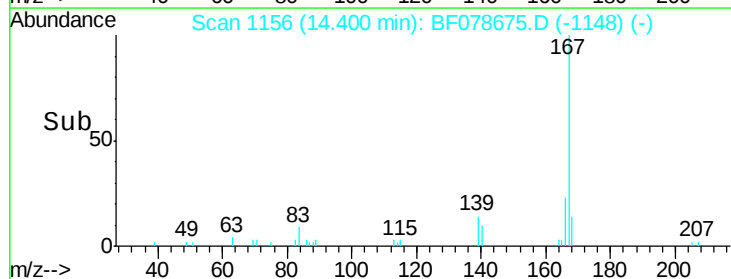
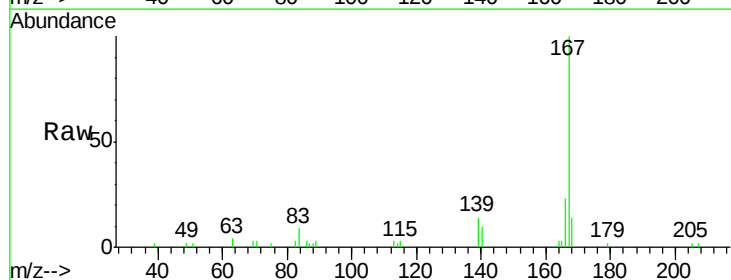
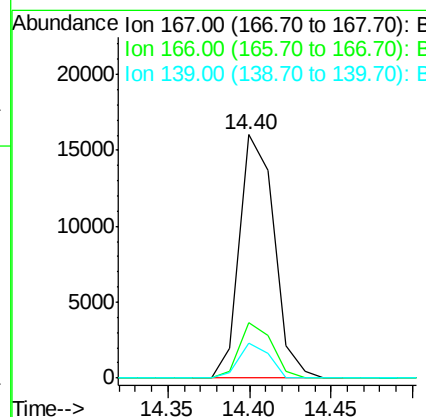
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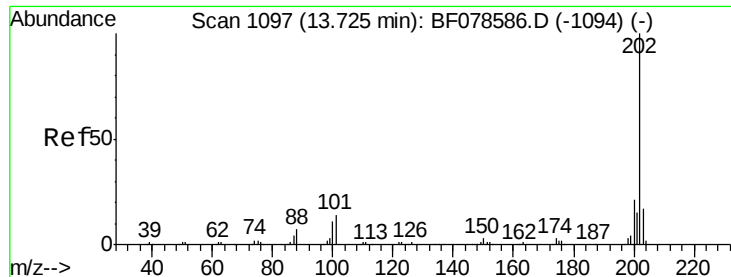
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#72
 Carbazole
 Concen: 3.43 ng
 RT: 14.40 min Scan# 1156
 Delta R.T. -0.01 min
 Lab File: BF078675.D
 Acq: 21 Apr 2015 9:01

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.6	16.8	25.2
139	14.5	10.0	15.0





#74

Fluoranthene

Concen: 95.65 ng

RT: 15.87 min Scan# 1285

Delta R.T. 0.00 min

Lab File: BF078675.D

Acq: 21 Apr 2015 9:01

Instrument :

BNA_F

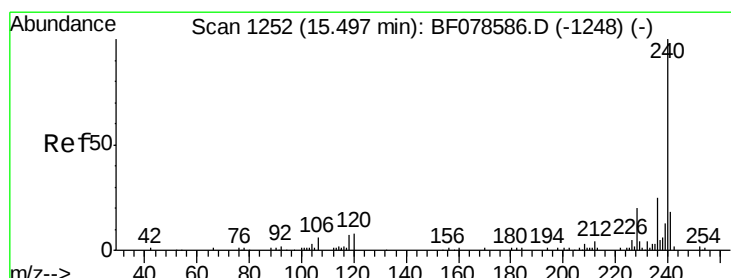
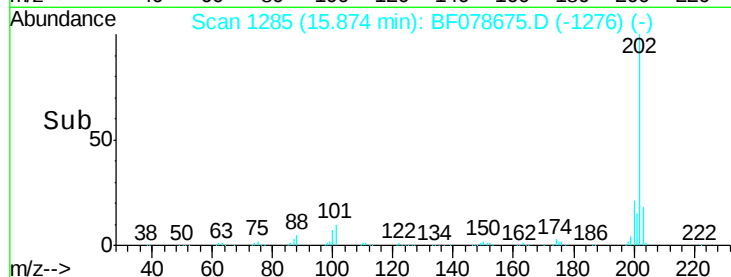
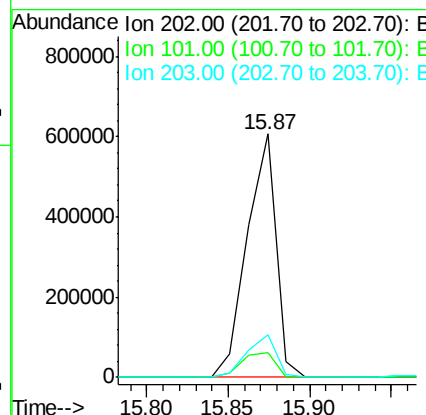
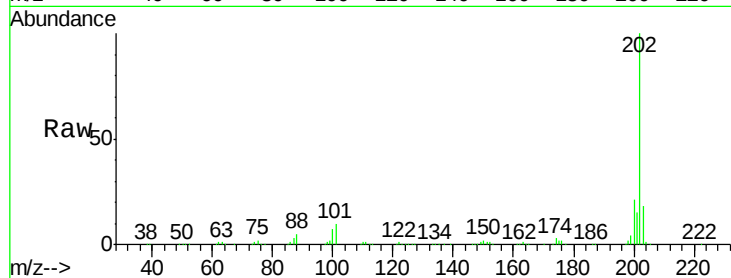
ClientSampleId :

SP-C-3

Tot Ion:	202	Resp:	747370
Ion Ratio		Lower	Upper
202	100		
101	10.0	0.0	35.2
203	17.7	0.0	38.5

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#75

Chrysene-d12

Concen: 20.00 ng

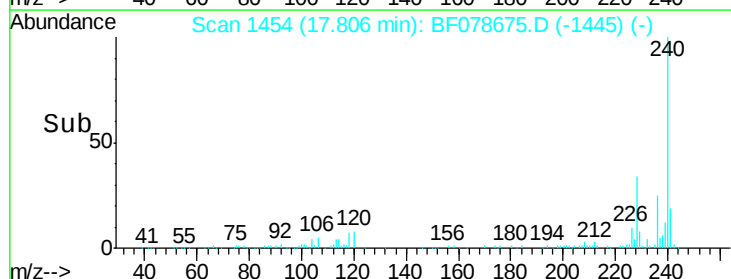
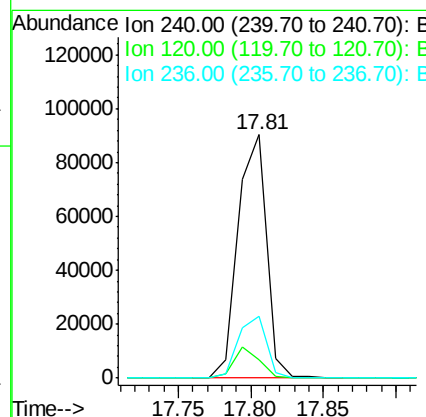
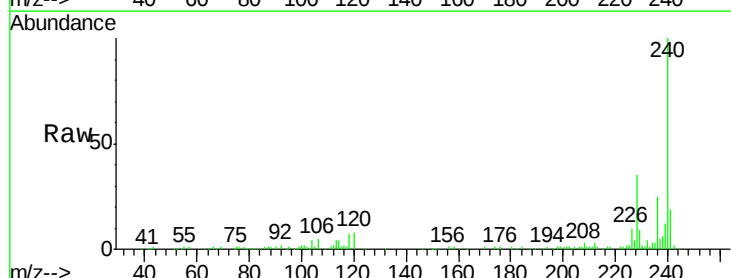
RT: 17.81 min Scan# 1454

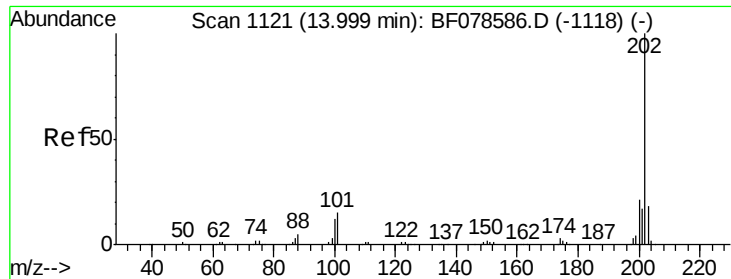
Delta R.T. 0.00 min

Lab File: BF078675.D

Acq: 21 Apr 2015 9:01

Tgt Ion:	240	Resp:	123394
Ion Ratio		Lower	Upper
240	100		
120	7.8	7.1	10.7
236	25.2	21.4	32.2





#77

Pvrene

Concen: 78.74 ng

RT: 16.18 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BF078675.D

Acq: 21 Apr 2015 9:01

Instrument :

BNA_F

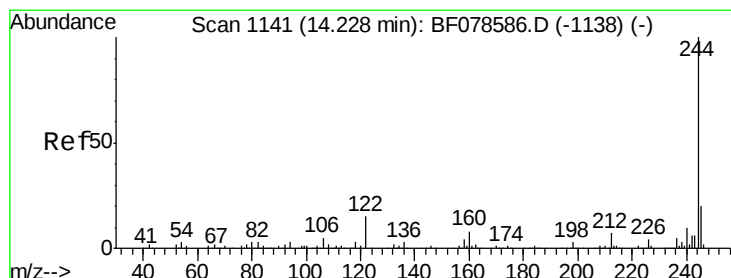
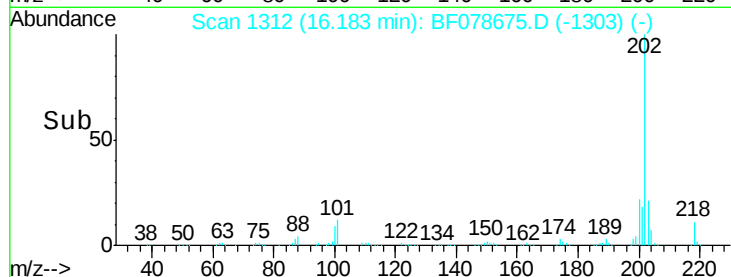
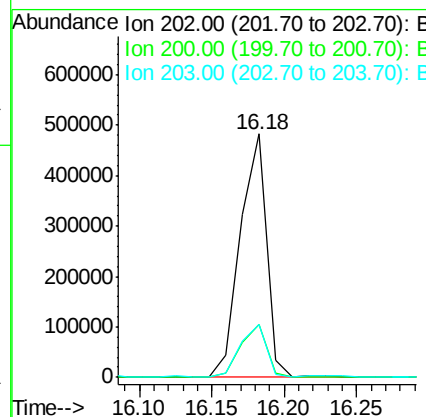
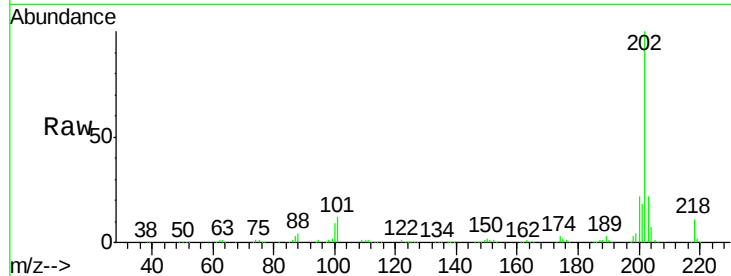
ClientSampleId :

SP-C-3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	21.8	16.3	24.5		
203	22.0	13.8	20.6		

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#78

Terphenyl-d14

Concen: 6.91 ng

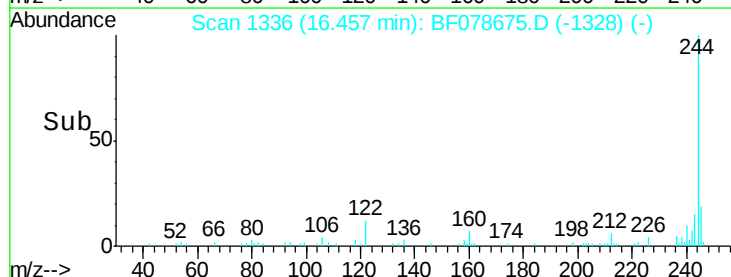
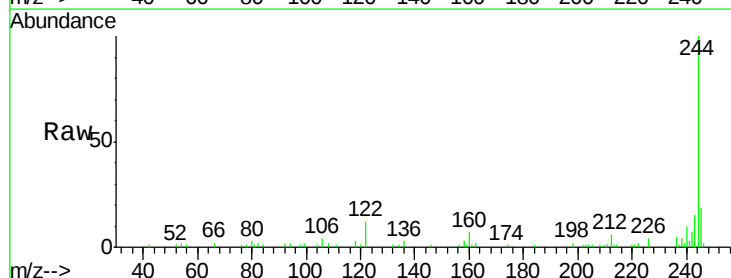
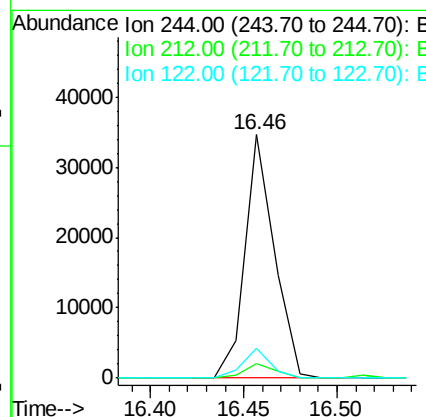
RT: 16.46 min Scan# 1336

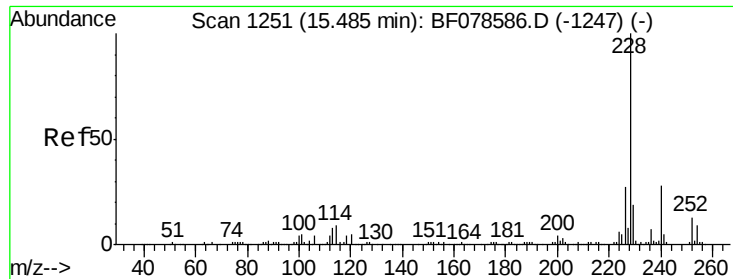
Delta R.T. -0.01 min

Lab File: BF078675.D

Acq: 21 Apr 2015 9:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100				
212	6.2	5.0	7.4		
122	12.0	7.1	10.7		





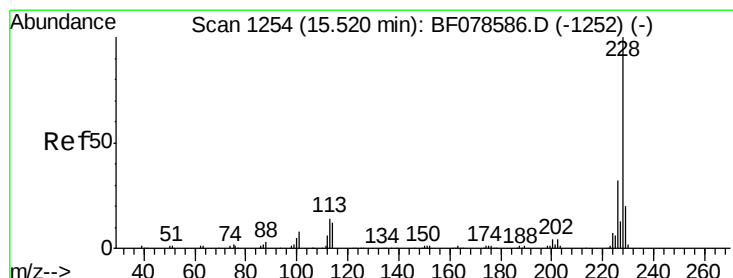
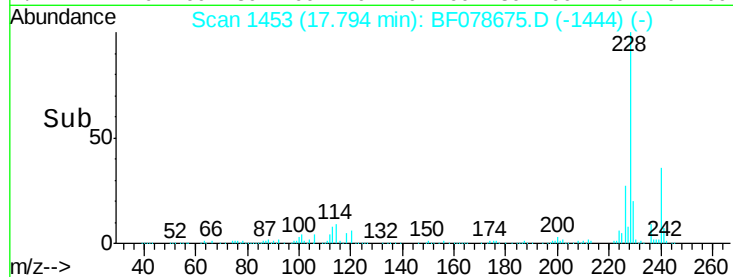
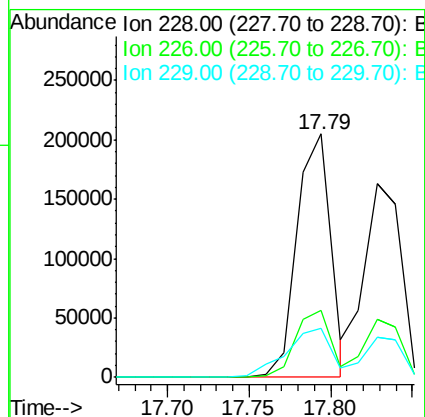
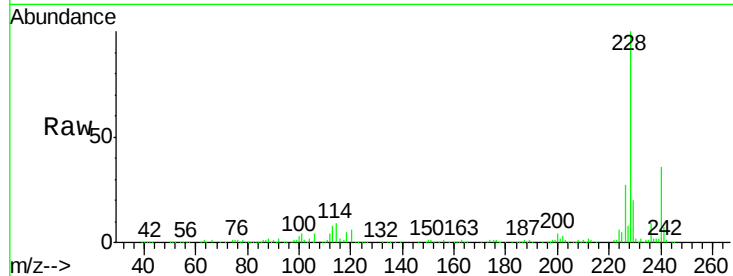
#80
Benzo(a)anthracene
Concen: 40.68 ng
RT: 17.79 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BF078675.D
Acq: 21 Apr 2015 9:01

Instrument :
BNA_F
ClientSampleId :
SP-C-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.3	31.9
229	20.0	15.4	23.2

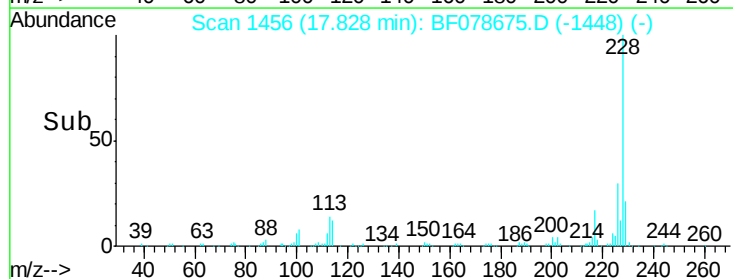
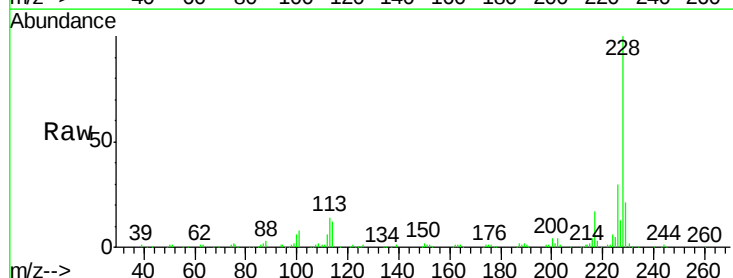
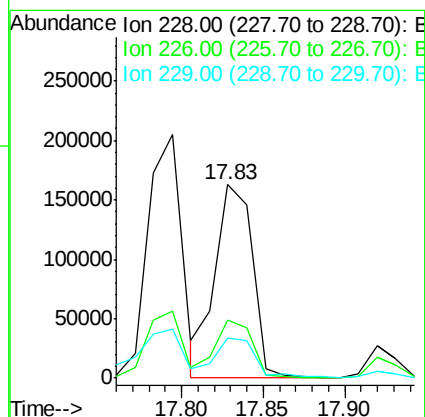
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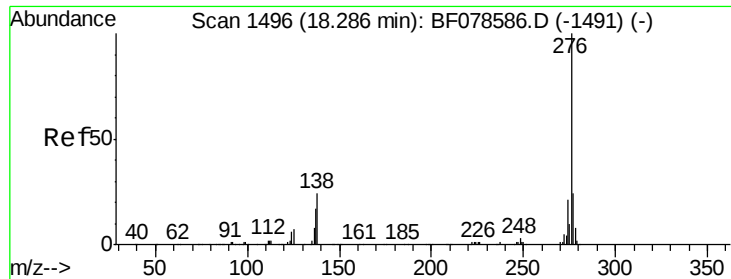
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#82
Chrysene
Concen: 37.19 ng
RT: 17.83 min Scan# 1456
Delta R.T. -0.01 min
Lab File: BF078675.D
Acq: 21 Apr 2015 9:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.2	36.4
229	20.8	15.8	23.8





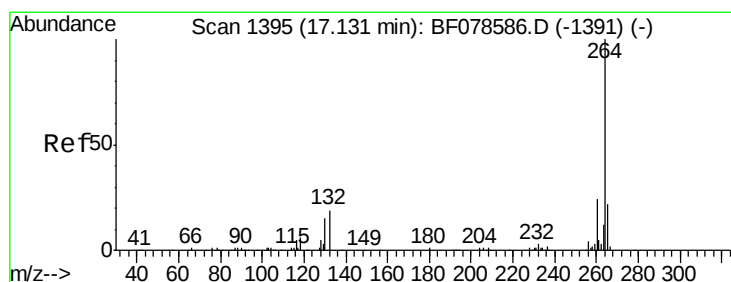
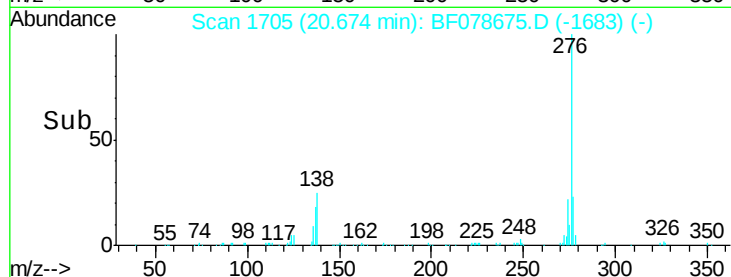
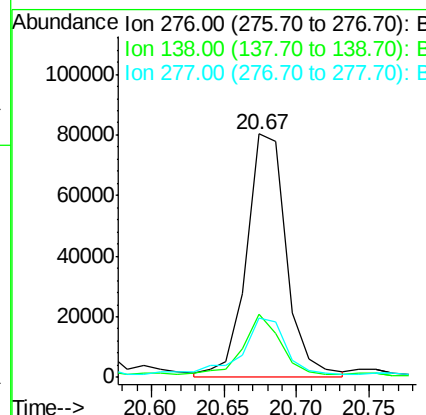
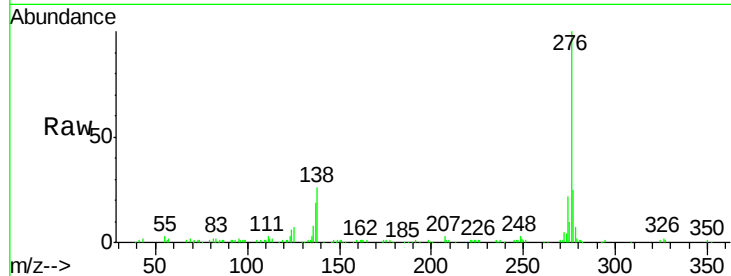
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 19.80 ng/mL
 RT: 20.67 min Scan# 1705
 Delta R.T. -0.05 min
 Lab File: BF078675.D
 Acq: 21 Apr 2015 9:01

Instrument :
 BNA_F
 ClientSampled :
 SP-C-3

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
138	4.1	16.9	25.3	#
277	4.6	15.8	23.6	#

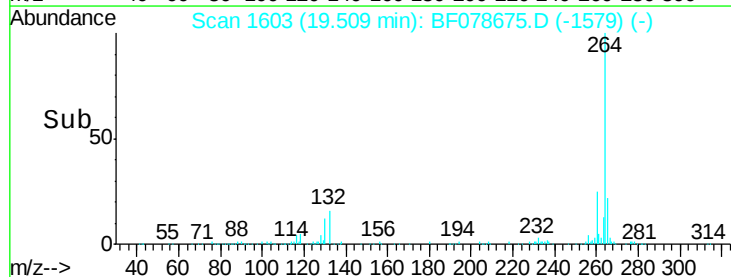
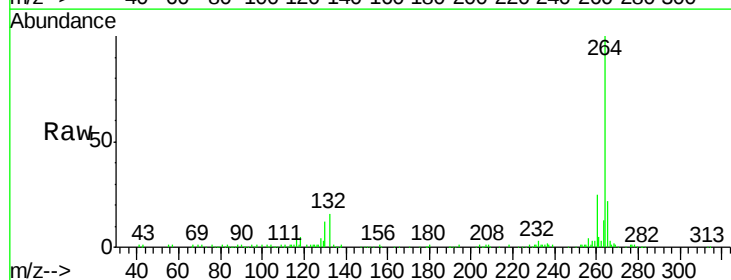
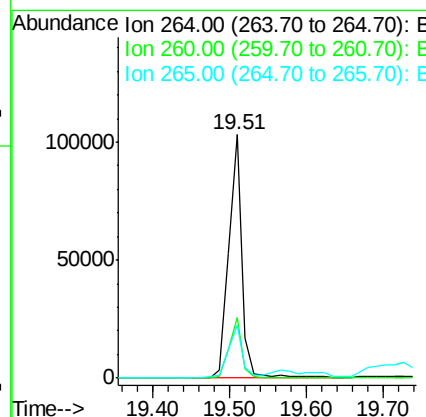
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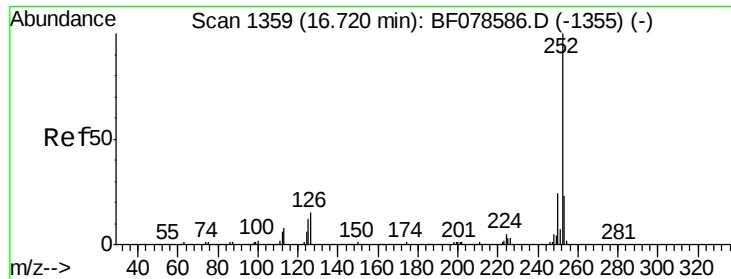
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 19.51 min Scan# 1603
 Delta R.T. -0.02 min
 Lab File: BF078675.D
 Acq: 21 Apr 2015 9:01

Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.7	18.6	27.8	
265	22.0	17.0	25.6	





#87

Benzo(b)fluoranthene

Concen: 40.18 ng m

RT: 19.09 min Scan# 1566

Delta R.T. -0.01 min

Lab File: BF078675.D

Acq: 21 Apr 2015 9:01

Instrument :

BNA_F

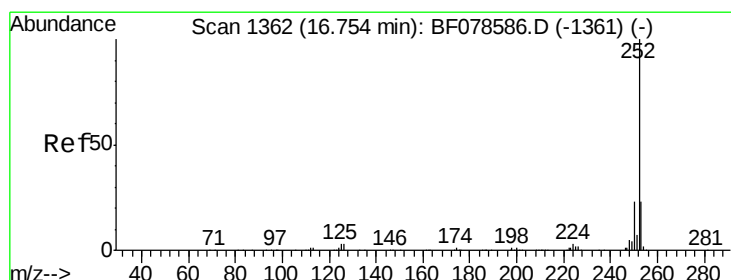
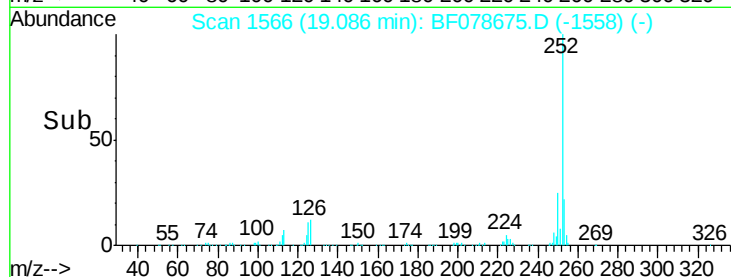
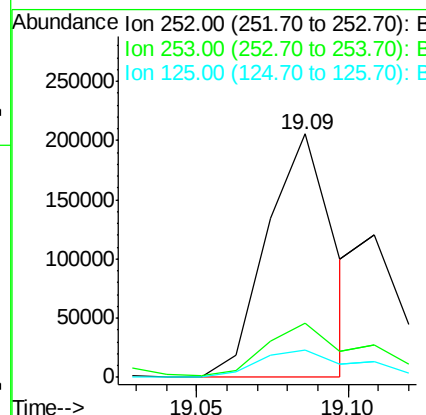
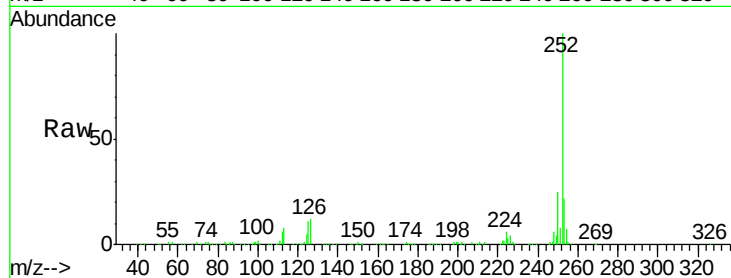
ClientSampleId :

SP-C-3

Tot Ion:	252	Resp:	315461
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.2	25.8
125	11.3	7.0	10.4#

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#88

Benzo(k)fluoranthene

Concen: 16.91 ng m

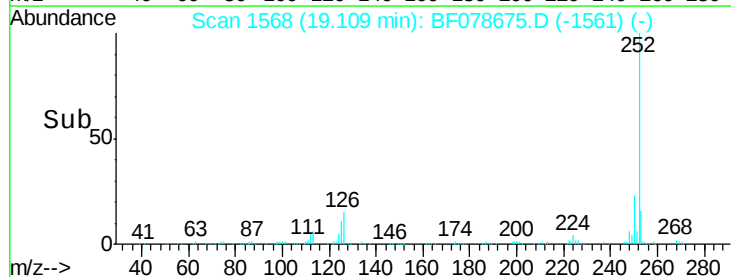
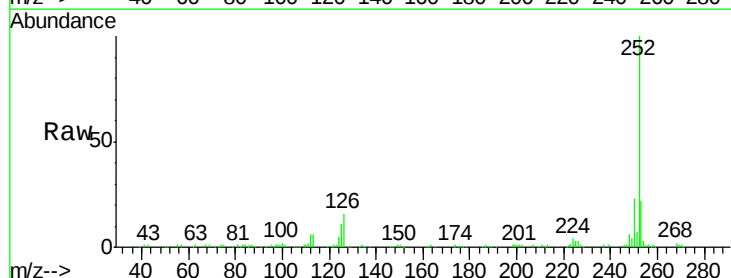
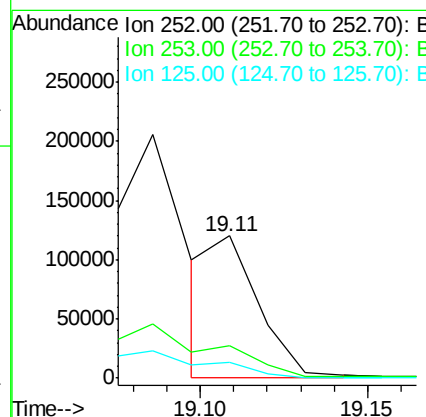
RT: 19.11 min Scan# 1568

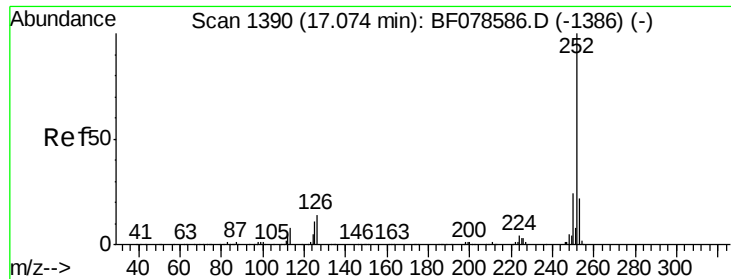
Delta R.T. -0.02 min

Lab File: BF078675.D

Acq: 21 Apr 2015 9:01

Tgt Ion:	252	Resp:	117992
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.5	26.3
125	11.1	11.6	17.4#





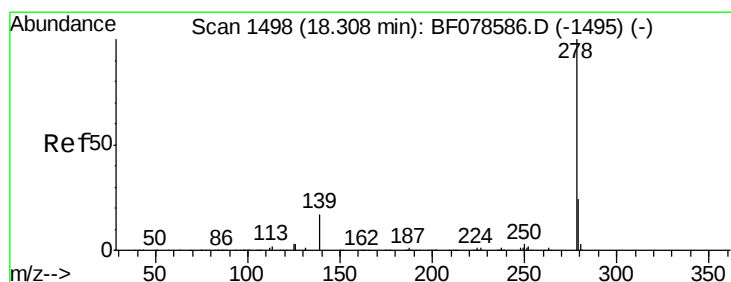
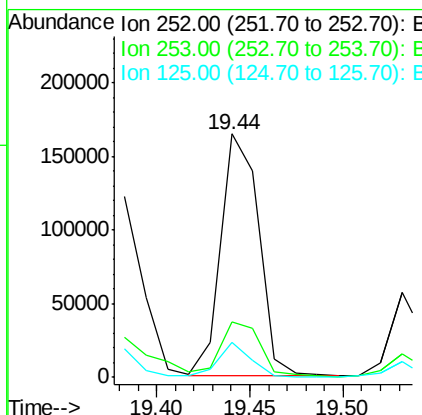
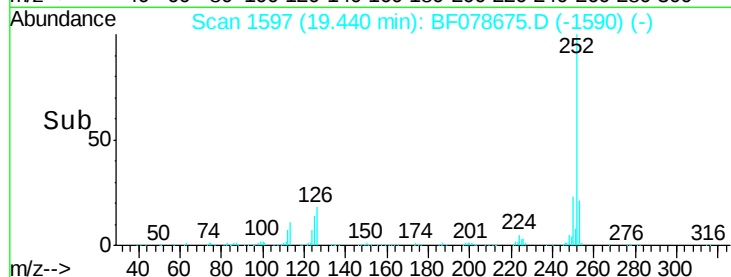
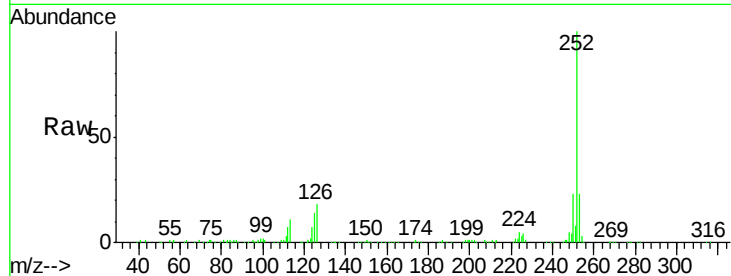
#89
Benzo(a)pyrene
Concen: 33.83 ng
RT: 19.44 min Scan# 1597
Delta R.T. -0.02 min
Lab File: BF078675.D
Acq: 21 Apr 2015 9:01

Instrument :
BNA_F
ClientSampleId :
SP-C-3

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.0	16.8	25.2
125	14.1	7.4	11.0

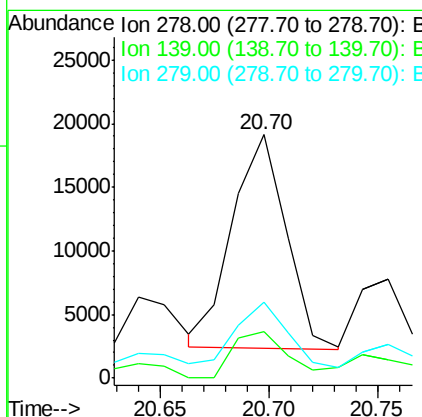
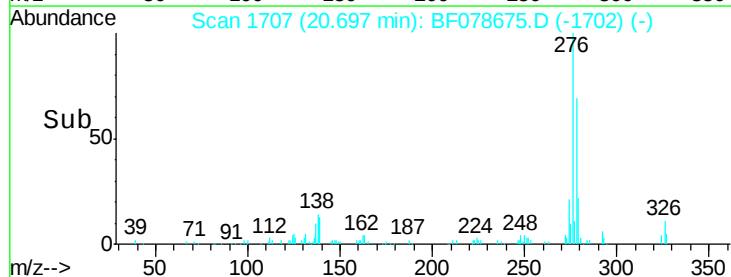
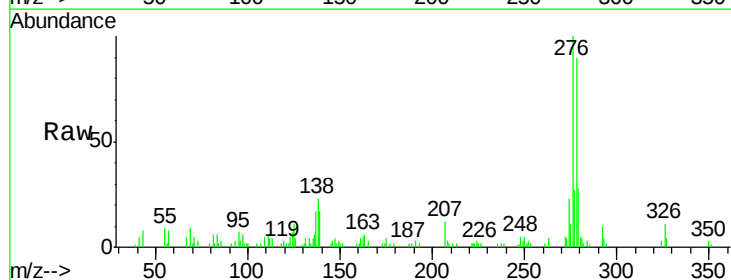
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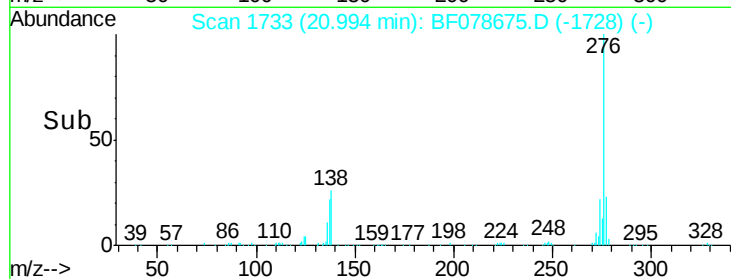
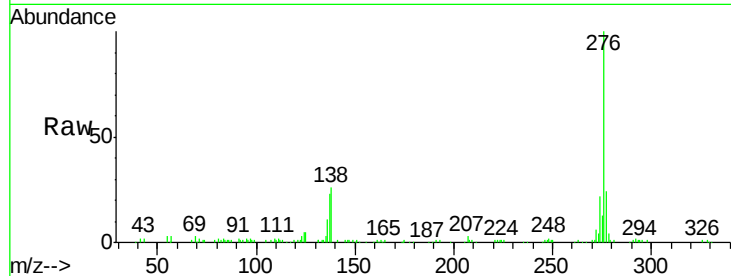
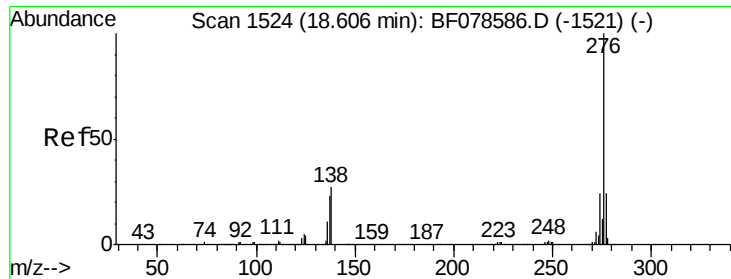
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#90
Dibenzo(a,h)anthracene
Concen: 4.22 ng
RT: 20.70 min Scan# 1707
Delta R.T. -0.05 min
Lab File: BF078675.D
Acq: 21 Apr 2015 9:01

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	19.1	13.6	20.4
279	31.4	19.0	28.6





#91

Benzo(a,h,i)perylene

Concen: 19.82 ng

RT: 20.99 min Scan# 1733

Delta R.T. -0.05 min

Lab File: BF078675.D

Acq: 21 Apr 2015 9:01

Instrument :

BNA_F

ClientSampleId :

SP-C-3

Tot Ion:	276	Resp:	136340
Ion Ratio		Lower	Upper
276	100		
277	23.9	19.0	28.4
138	26.1	19.9	29.9

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