

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042015\
 Data File : BF078682.D
 Acq On : 21 Apr 2015 12:38
 Operator : TP/IZ
 Sample : G1943-06DL 20X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-3DL

Manual Integrations
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 4/21/2015 5:05:12 PM

Quant Time: Apr 21 14:33:56 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	30787	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	129195	20.00	ng	0.00
38) Acenaphthene-d10	11.20	164	64332	20.00	ng	-0.01
63) Phenanthrene-d10	13.94	188	125221	20.00	ng	0.00
75) Chrysene-d12	17.81	240	133665	20.00	ng	0.00
86) Perylene-d12	19.54	264	137287	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.88	112	6987	3.74	ng	0.01
7) Phenol-d6	5.37	99	9128	3.90	ng	0.01
23) Nitrobenzene-d5	6.80	82	5193	2.44	ng	0.00
41) 2,4,6-Tribromophenol	12.69	330	2162	4.05	ng	0.00
44) 2-Fluorobiphenyl	10.03	172	13981	3.11	ng	0.00
78) Terphenyl-d14	16.46	244	15863	2.68	ng	-0.01
Target Compounds						Qvalue
57) Fluorene	12.23	166	9897	2.12	ng	92
70) Phenanthrene	13.98	178	174814	24.13	ng	99
71) Anthracene	14.07	178	44963	6.30	ng	98
72) Carbazole	14.40	167	15077	2.25	ng	98
74) Fluoranthene	15.86	202	321598	42.10	ng	98
77) Pyrene	16.17	202	308231	36.73	ng	# 96
80) Benzo(a)anthracene	17.79	228	148568m	18.68	ng	
82) Chrysene	17.84	228	133133m	17.82	ng	
85) Indeno(1,2,3-cd)pyrene	20.74	276	82731m	9.76	ng	
87) Benzo(b)fluoranthene	19.11	252	197511m	23.28	ng	
88) Benzo(k)fluoranthene	19.13	252	33751m	4.48	ng	
89) Benzo(a)pyrene	19.49	252	120204	16.23	ng	97
90) Dibenzo(a,h)anthracene	20.77	278	15544m	2.10	ng	
91) Benzo(g,h,i)perylene	21.06	276	72017	9.69	ng	97

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

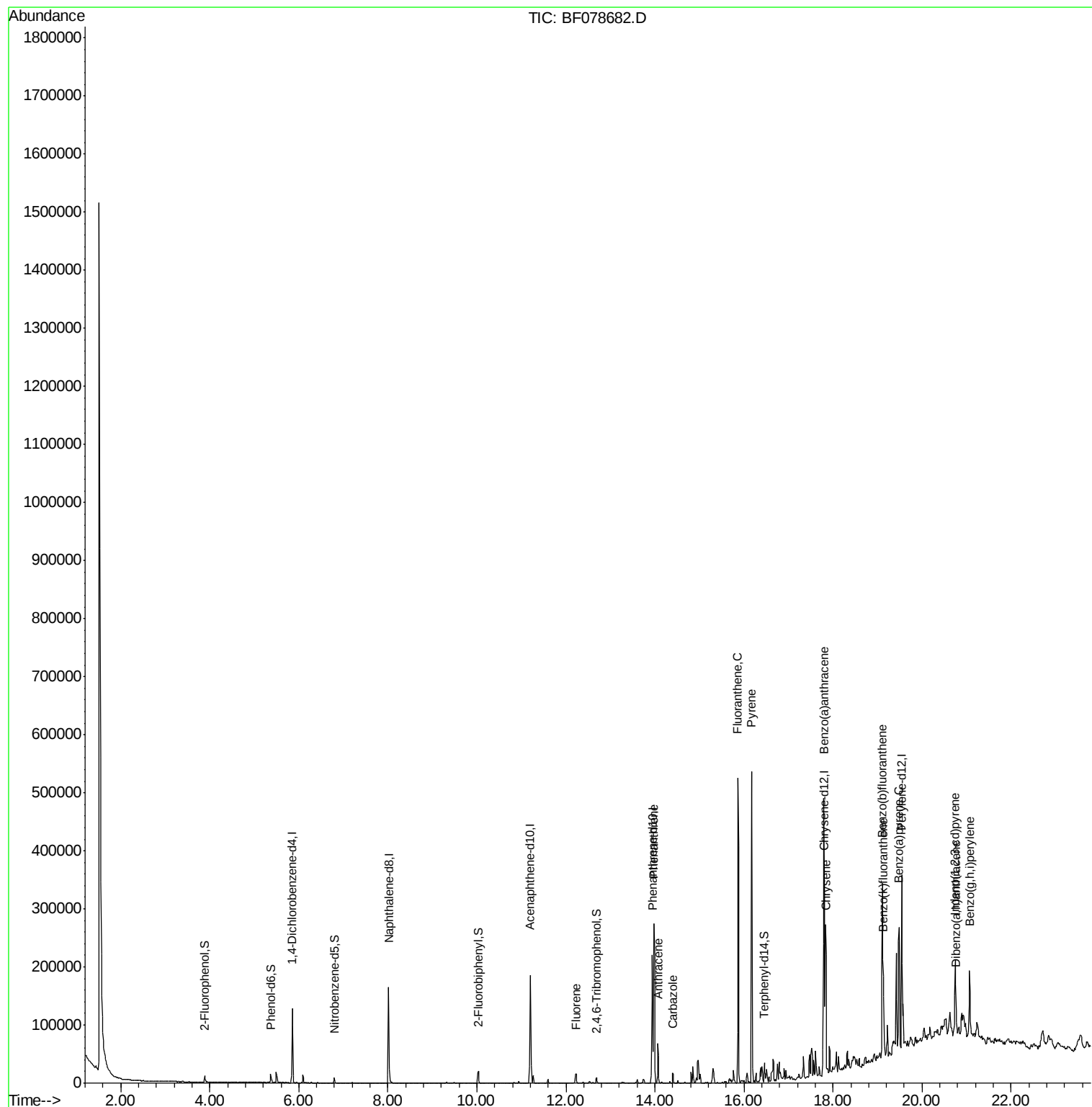
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042015\
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Quant Time: Apr 21 14:33:56 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
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Response via : Initial Calibration





#1

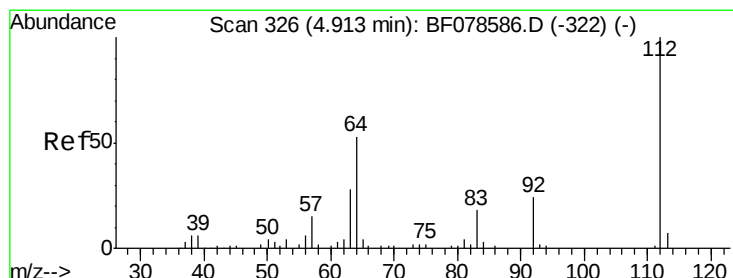
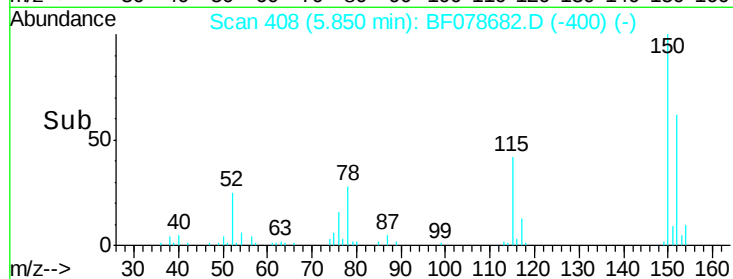
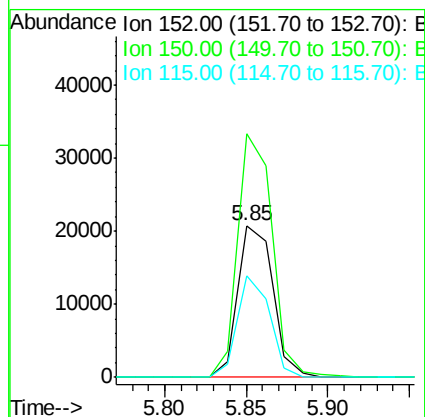
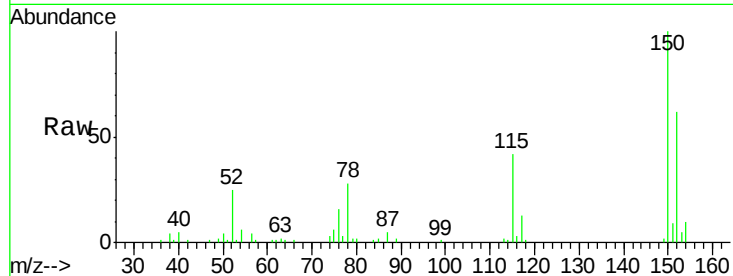
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.85 min Scan# 408
Delta R.T. -0.01 min
Lab File: BF078682.D
Acq: 21 Apr 2015 12:38

Instrument :
BNA_F
ClientSampleId :
SP-B-3DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.7	125.9	188.9
115	67.1	52.7	79.1

Manual Integrations
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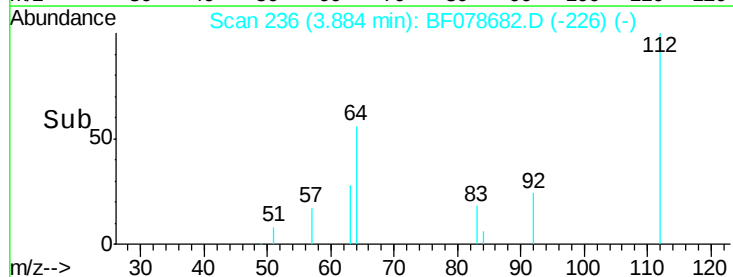
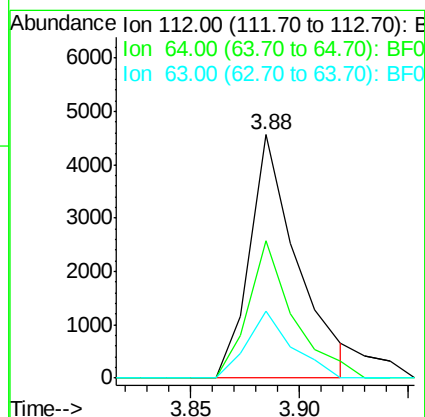
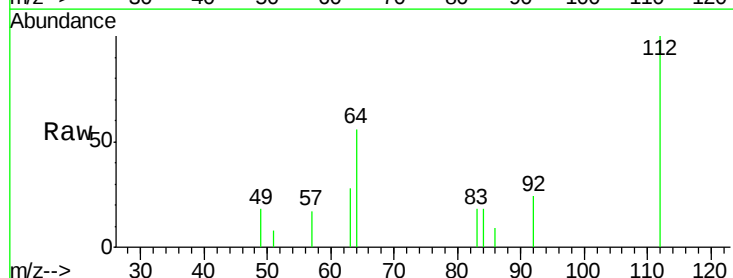
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#5

2-Fluorophenol
Concen: 3.74 ng
RT: 3.88 min Scan# 236
Delta R.T. 0.01 min
Lab File: BF078682.D
Acq: 21 Apr 2015 12:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	39.9	59.9
63	27.6	20.2	30.4





#7

Phenol-d6

Concen: 3.90 ng

RT: 5.37 min Scan# 366

Delta R.T. 0.01 min

Lab File: BF078682.D

Acq: 21 Apr 2015 12:38

Instrument :

BNA_F

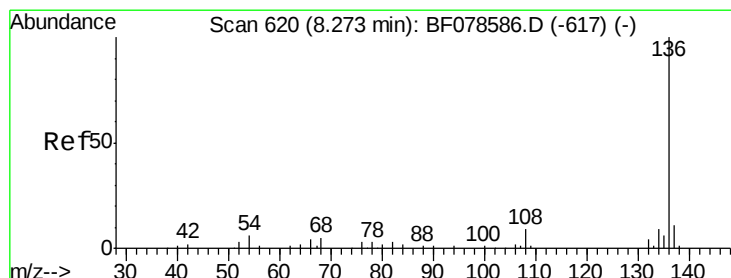
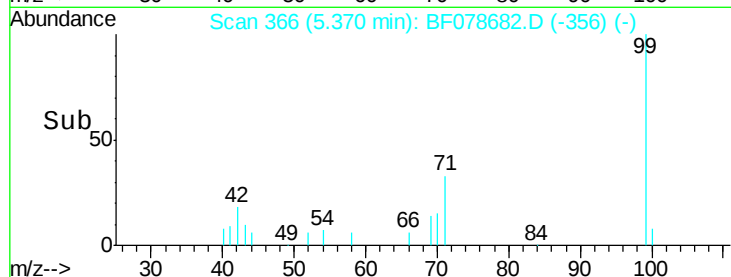
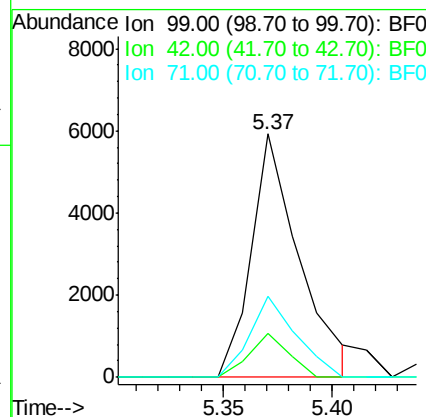
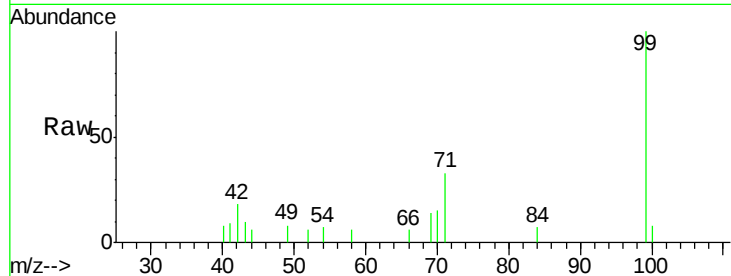
ClientSampleId :

SP-B-3DL

Tot Ion:	99	Resp:	9128
Ion Ratio	Lower	Upper	
99	100		
42	17.8	14.8	22.2
71	33.4	26.6	39.8

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#21

Naphthalene-d8

Concen: 20.00 ng

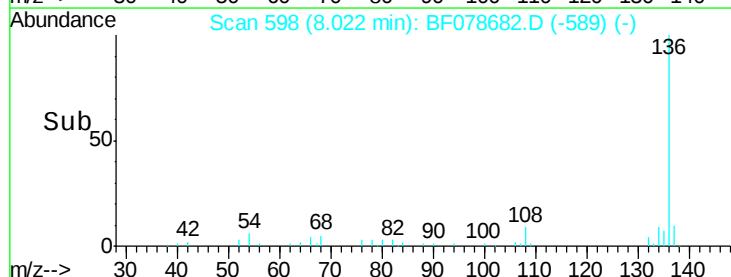
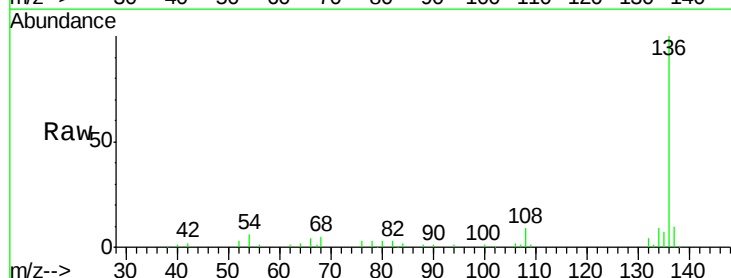
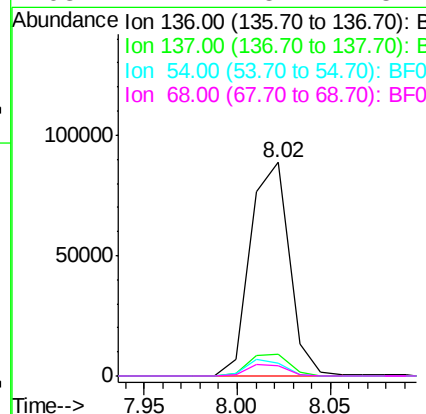
RT: 8.02 min Scan# 598

Delta R.T. 0.00 min

Lab File: BF078682.D

Acq: 21 Apr 2015 12:38

Tgt Ion:	136	Resp:	129195
Ion Ratio	Lower	Upper	
136	100		
137	10.3	9.0	13.4
54	5.9	7.0	10.6#
68	4.7	5.4	8.2#





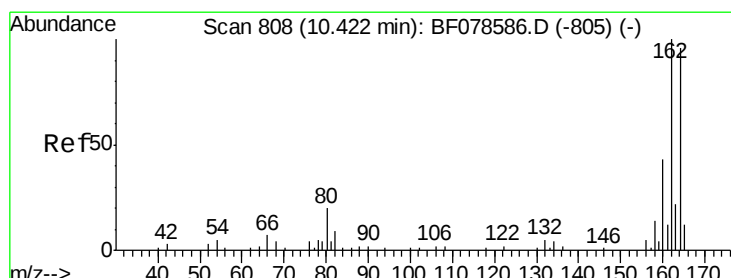
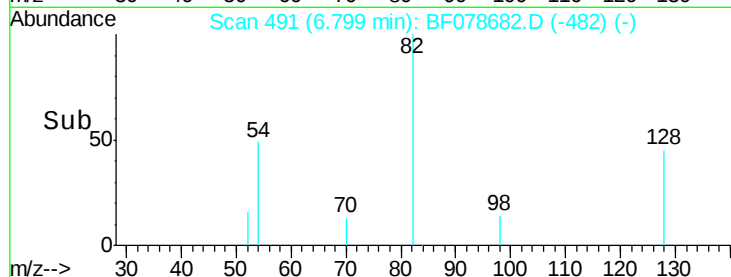
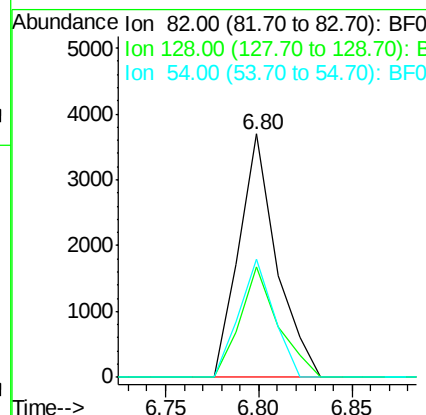
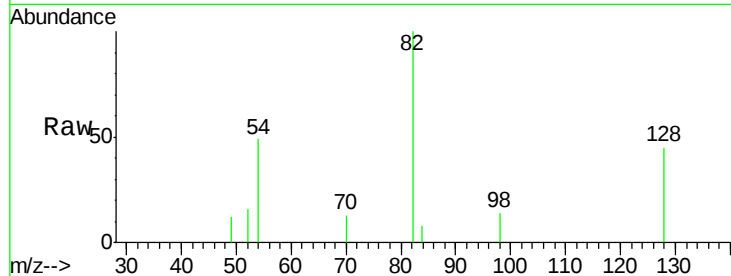
#23
 Nitrobenzene-d5
 Concen: 2.44 ng
 RT: 6.80 min Scan# 491
 Delta R.T. 0.00 min
 Lab File: BF078682.D
 Acq: 21 Apr 2015 12:38

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-3DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.3	31.8	47.8
54	48.8	41.5	62.3

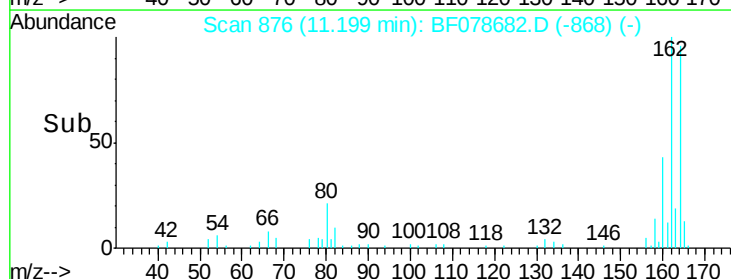
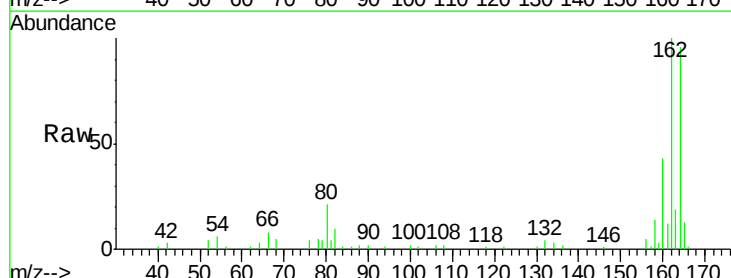
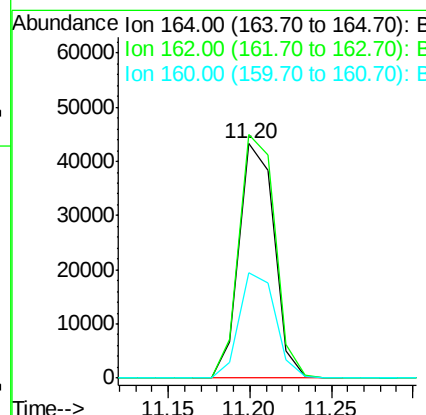
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: BF078682.D
 Acq: 21 Apr 2015 12:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	82.2	123.2
160	44.9	34.7	52.1





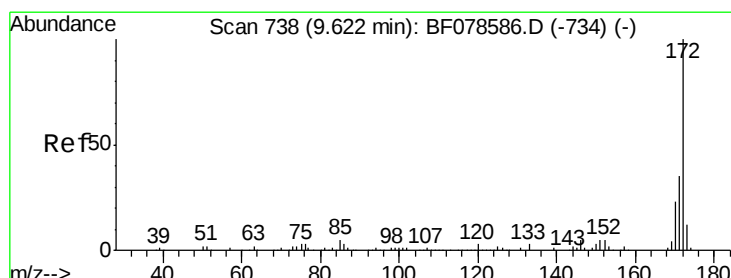
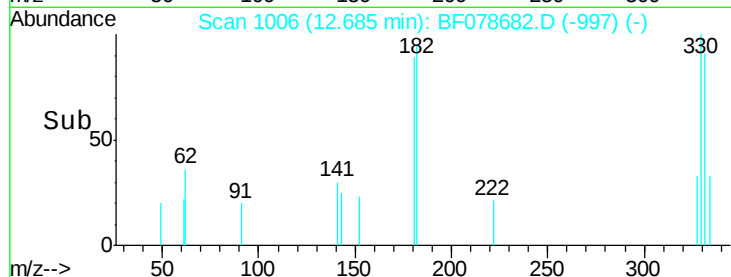
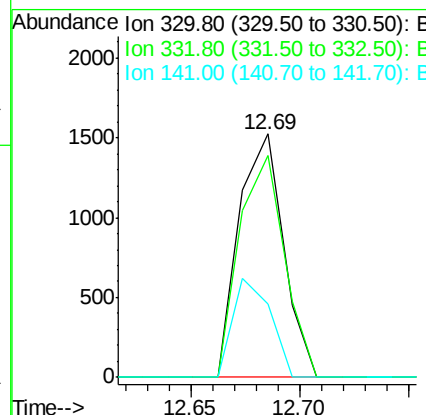
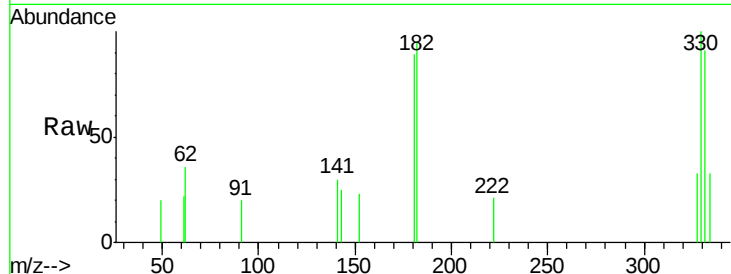
#41
 2,4,6-Tribromophenol
 Concen: 4.05 ng
 RT: 12.69 min Scan# 1006
 Delta R.T. 0.00 min
 Lab File: BF078682.D
 Acq: 21 Apr 2015 12:38

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-3DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	92.2	78.6	117.8
141	34.3	31.2	46.8

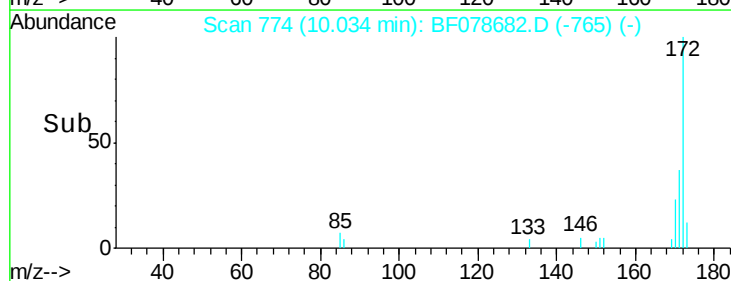
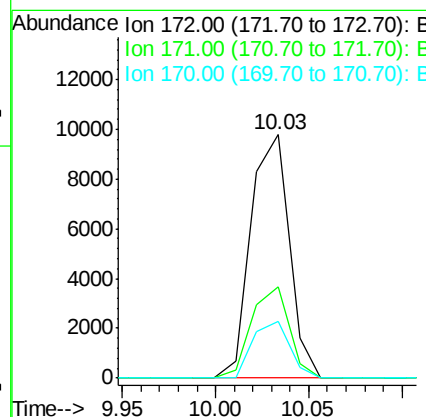
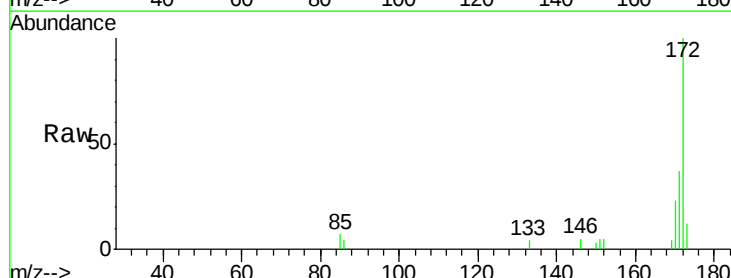
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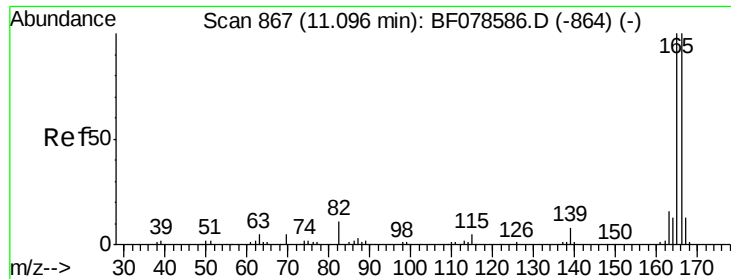
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#44
 2-Fluorobiphenyl
 Concen: 3.11 ng
 RT: 10.03 min Scan# 774
 Delta R.T. 0.00 min
 Lab File: BF078682.D
 Acq: 21 Apr 2015 12:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	28.6	42.8
170	23.1	18.5	27.7





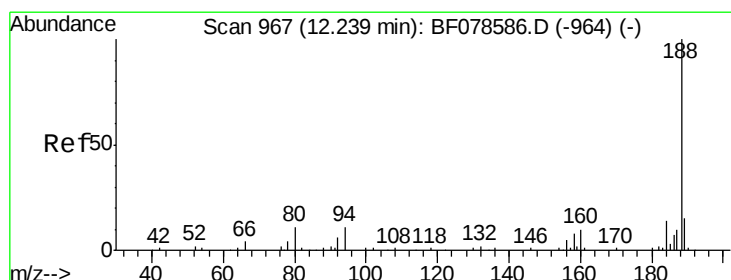
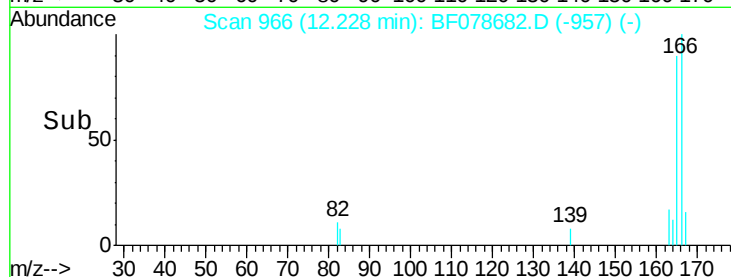
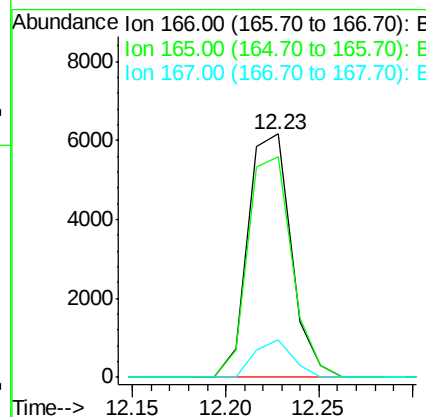
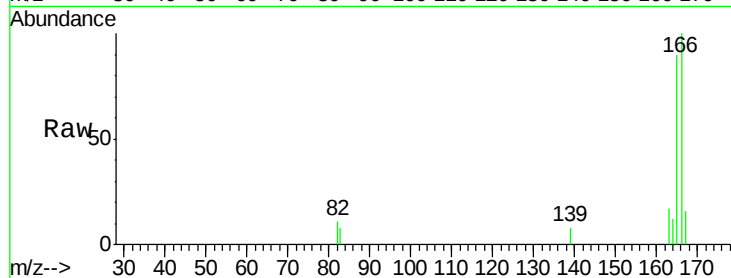
#57
Fluorene
 Concen: 2.12 ng
 RT: 12.23 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: BF078682.D
 Acq: 21 Apr 2015 12:38

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-3DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	90.4	78.9	118.3
167	15.6	10.7	16.1

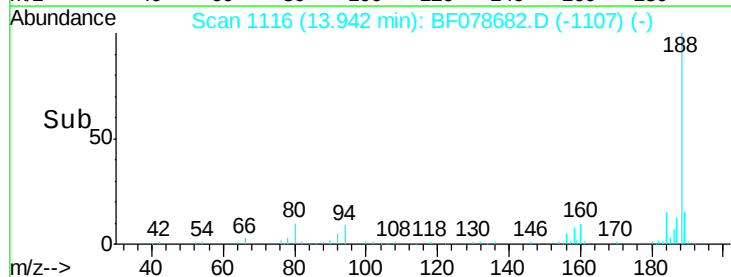
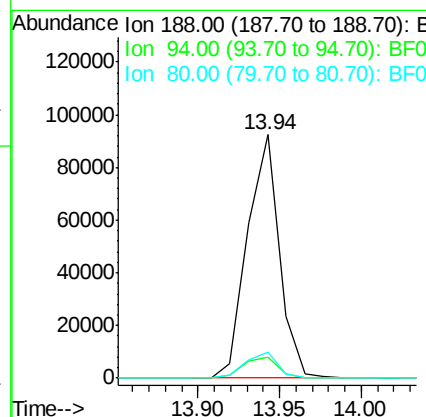
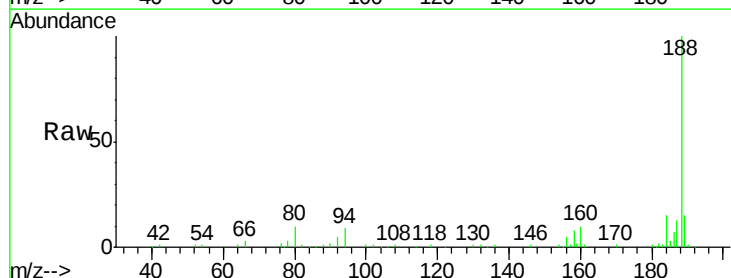
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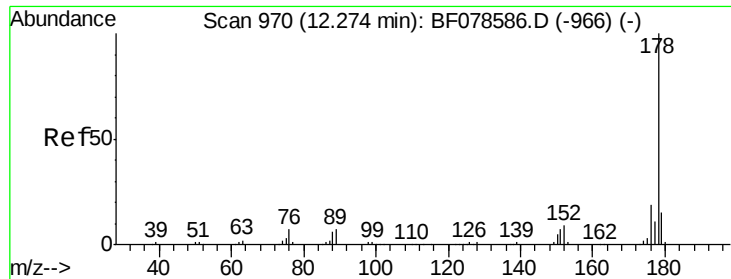
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 13.94 min Scan# 1116
 Delta R.T. 0.00 min
 Lab File: BF078682.D
 Acq: 21 Apr 2015 12:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	9.0	13.4#
80	10.5	9.5	14.3





#70

Phenanthrene

Concen: 24.13 ng

RT: 13.98 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BF078682.D

Acq: 21 Apr 2015 12:38

Instrument :

BNA_F

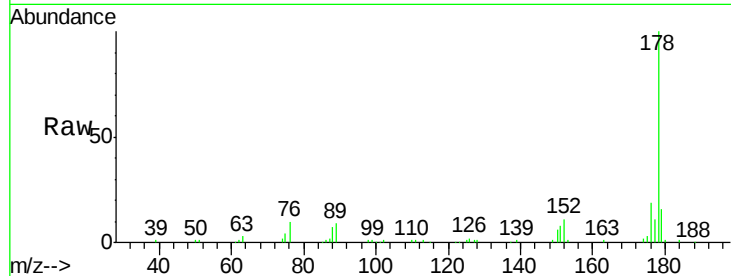
ClientSampleId :

SP-B-3DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.0
179	15.5	12.2	18.2

Manual Integrations
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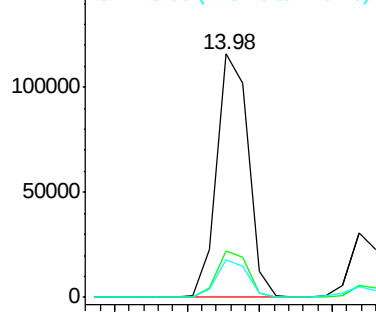


Abundance

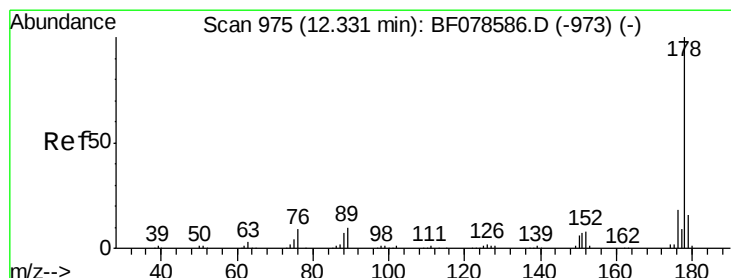
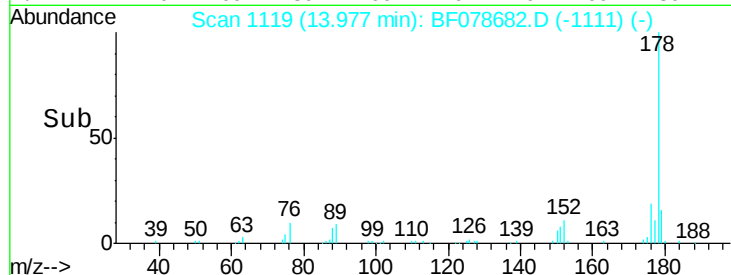
Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#71

Anthracene

Concen: 6.30 ng

RT: 14.07 min Scan# 1127

Delta R.T. -0.01 min

Lab File: BF078682.D

Acq: 21 Apr 2015 12:38

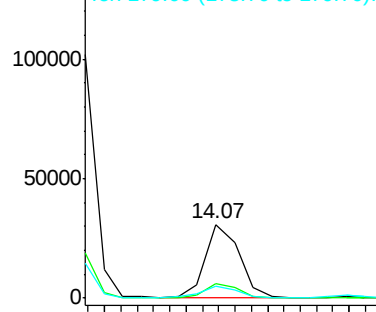
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	14.8	22.2
179	16.6	12.4	18.6

Abundance

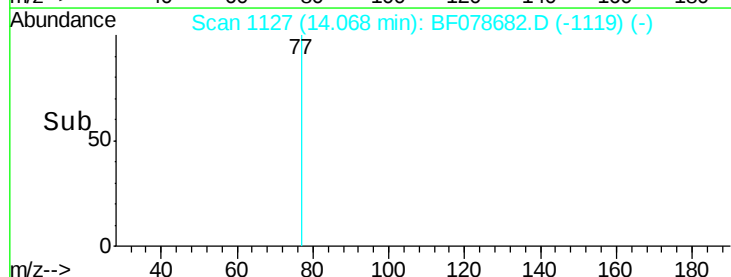
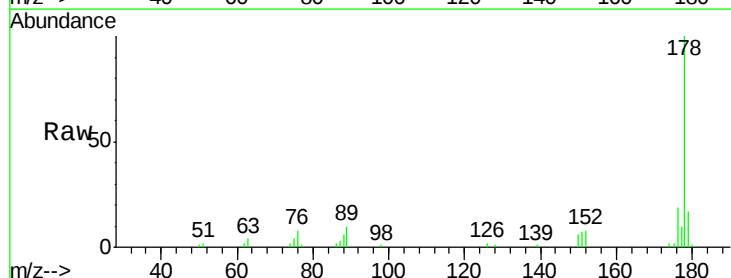
Ion 178.00 (177.70 to 178.70): E

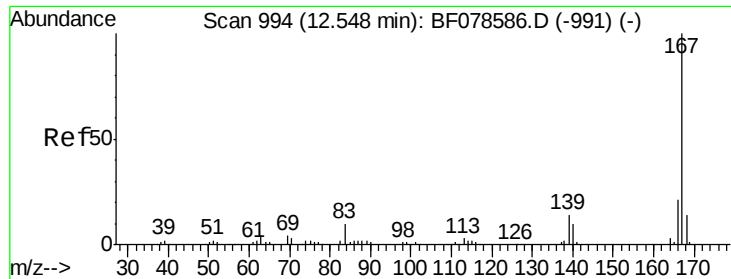
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#72

Carbazole

Concen: 2.25 ng

RT: 14.40 min Scan# 1156

Delta R.T. -0.01 min

Lab File: BF078682.D

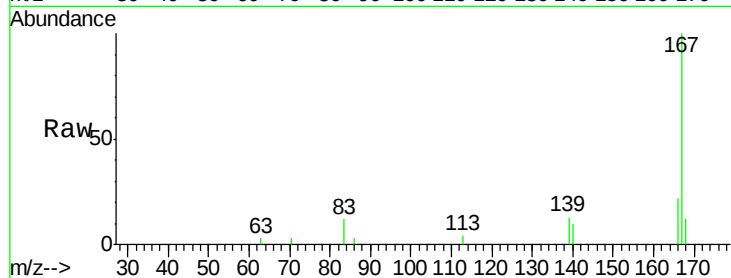
Acq: 21 Apr 2015 12:38

Instrument :

BNA_F

ClientSampleId :

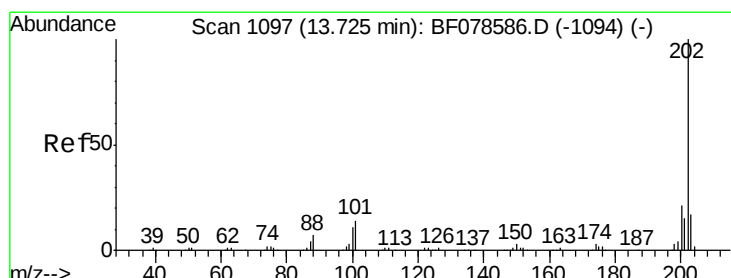
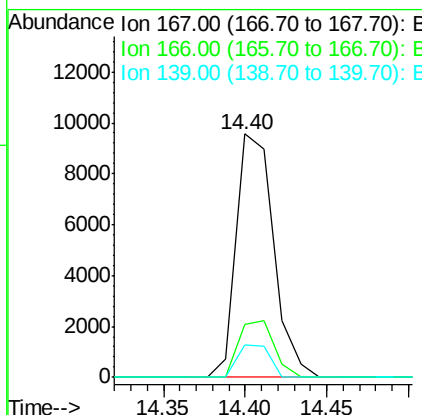
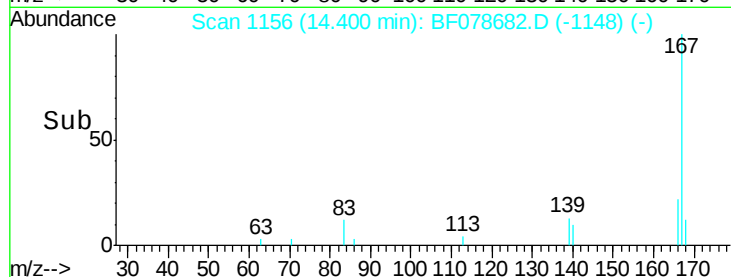
SP-B-3DL



Tot Ion:	167	Resp:	15077
Ion Ratio	Lower	Upper	
167	100		
166	21.7	16.8	25.2
139	13.4	10.0	15.0

Manual Integrations
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#74

Fluoranthene

Concen: 42.10 ng

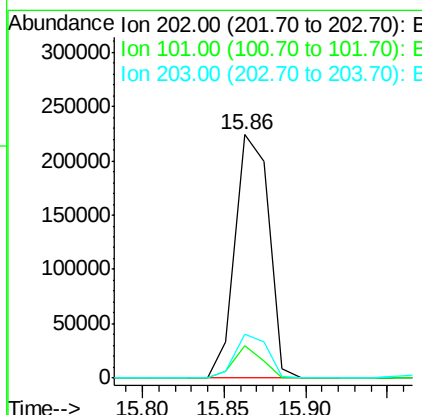
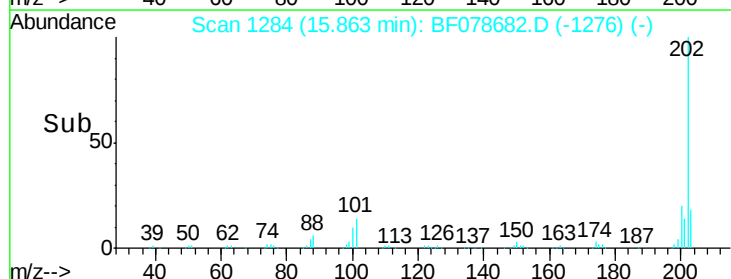
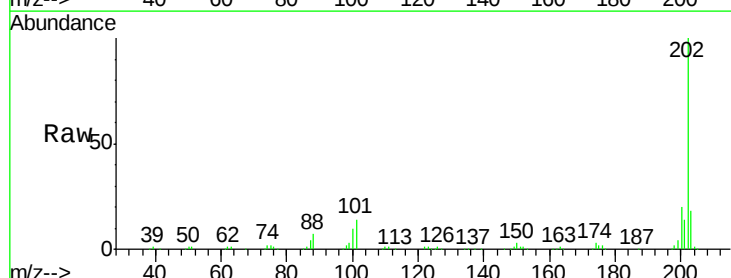
RT: 15.86 min Scan# 1284

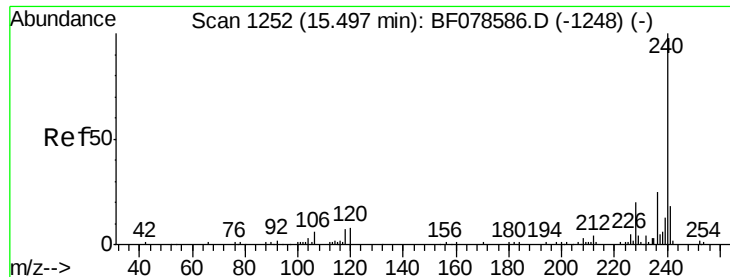
Delta R.T. -0.01 min

Lab File: BF078682.D

Acq: 21 Apr 2015 12:38

Tgt Ion:	202	Resp:	321598
Ion Ratio	Lower	Upper	
202	100		
101	13.5	0.0	35.2
203	18.2	0.0	38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 17.81 min Scan# 1454

Delta R.T. 0.00 min

Lab File: BF078682.D

Acq: 21 Apr 2015 12:38

Instrument :

BNA_F

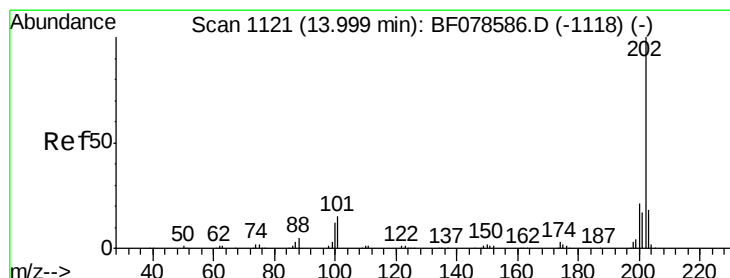
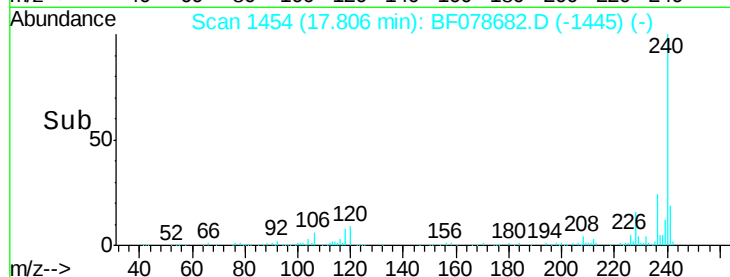
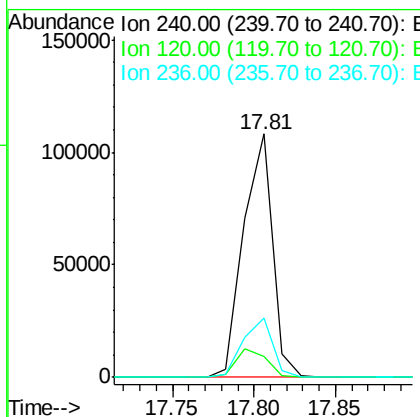
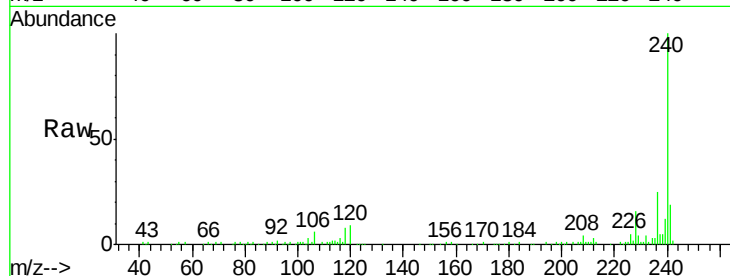
ClientSampleId :

SP-B-3DL

Tot Ion:	240	Resp:	133665
Ion Ratio	Lower	Upper	
240	100		
120	8.7	7.1	10.7
236	24.6	21.4	32.2

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#77

Pyrene

Concen: 36.73 ng

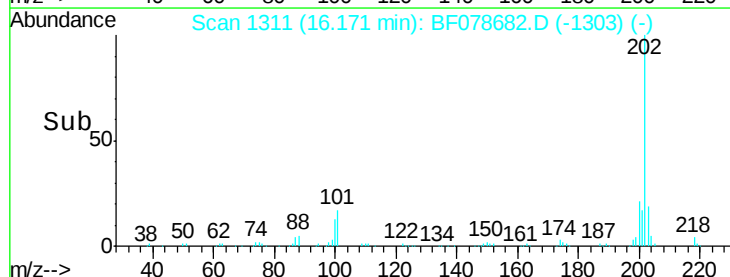
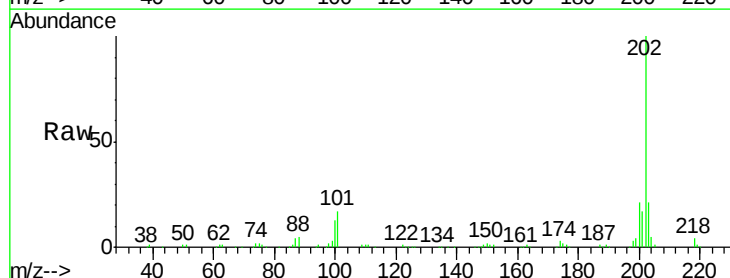
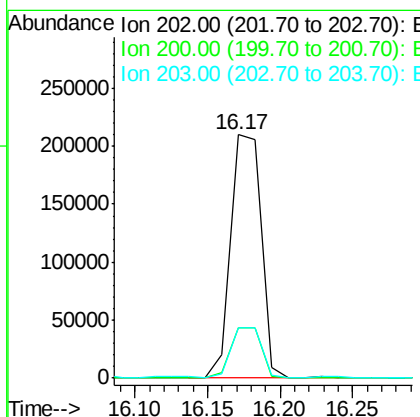
RT: 16.17 min Scan# 1311

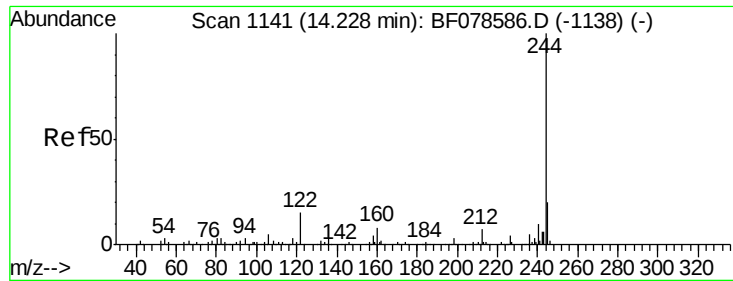
Delta R.T. -0.01 min

Lab File: BF078682.D

Acq: 21 Apr 2015 12:38

Tgt Ion:	202	Resp:	308231
Ion Ratio	Lower	Upper	
202	100		
200	20.9	16.3	24.5
203	20.7	13.8	20.6#





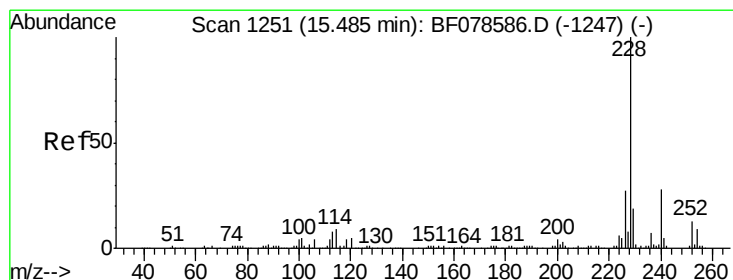
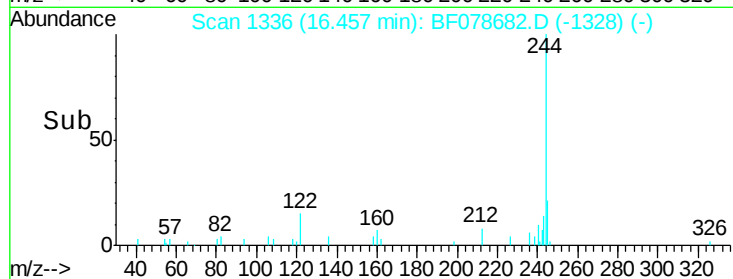
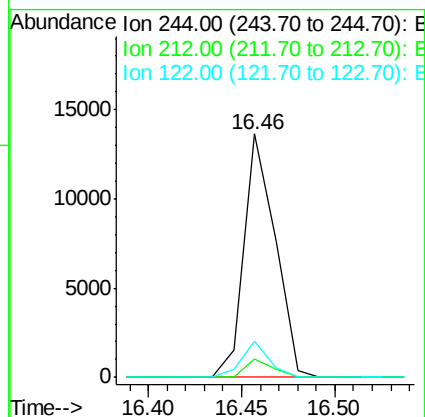
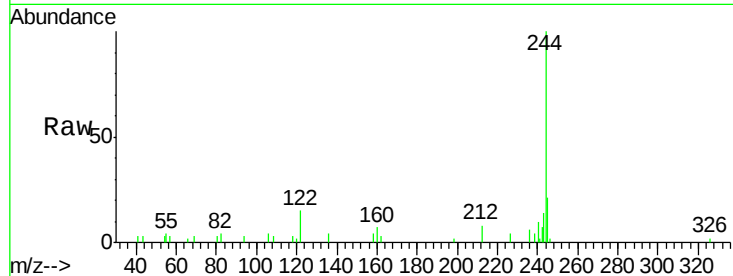
#78
 Terphenyl-d14
 Concen: 2.68 ng
 RT: 16.46 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: BF078682.D
 Acq: 21 Apr 2015 12:38

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-3DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.0	7.4#
122	14.9	7.1	10.7#

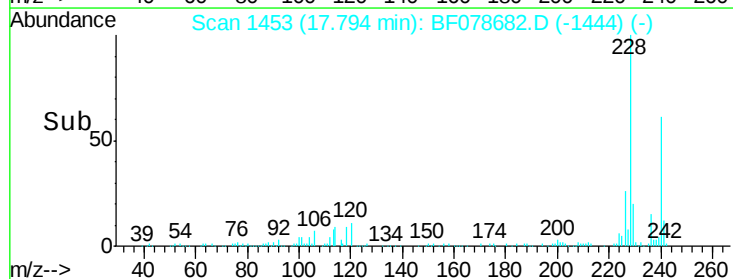
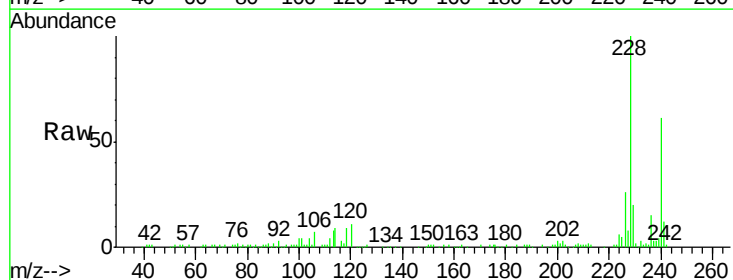
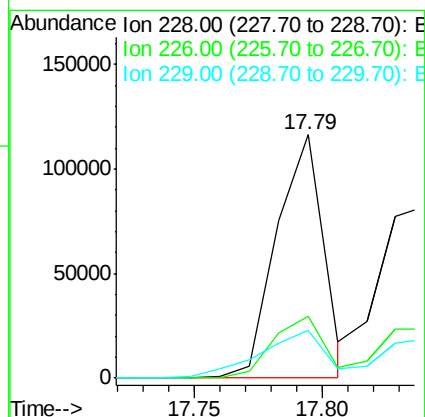
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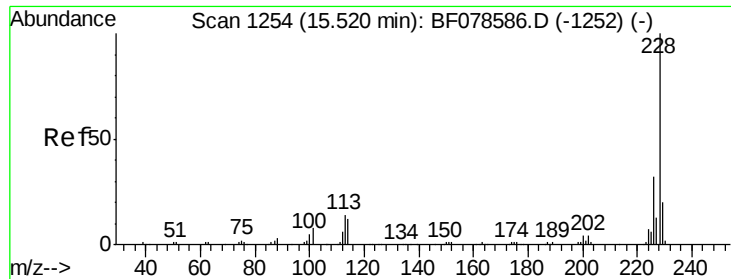
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#80
 Benzo(a)anthracene
 Concen: 18.68 ng m
 RT: 17.79 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF078682.D
 Acq: 21 Apr 2015 12:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.6	21.3	31.9
229	19.7	15.4	23.2





#82

Chrysene

Concen: 17.82 ng m

RT: 17.84 min Scan# 1457

Delta R.T. 0.00 min

Lab File: BF078682.D

Acq: 21 Apr 2015 12:38

Instrument :

BNA_F

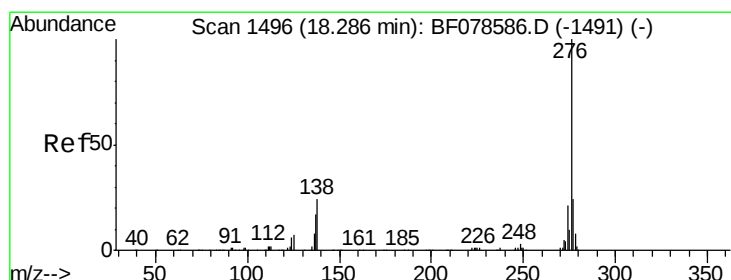
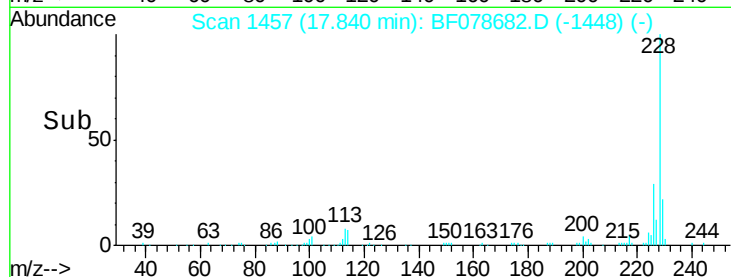
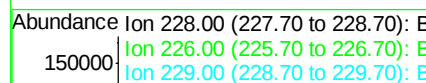
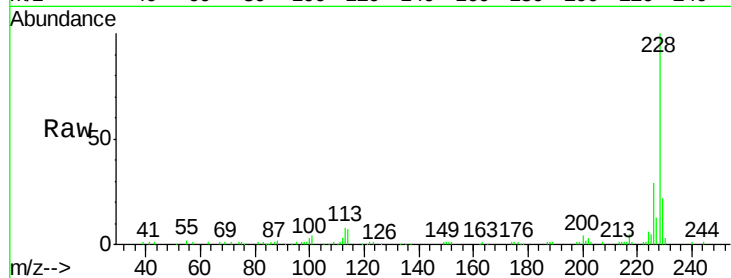
ClientSampleId :

SP-B-3DL

Tot Ion:	228	Resp:	133133
Ion Ratio	Lower	Upper	
228	100		
226	28.7	24.2	36.4
229	22.3	15.8	23.8

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#85

Indeno(1,2,3-cd)pyrene

Concen: 9.76 ng m

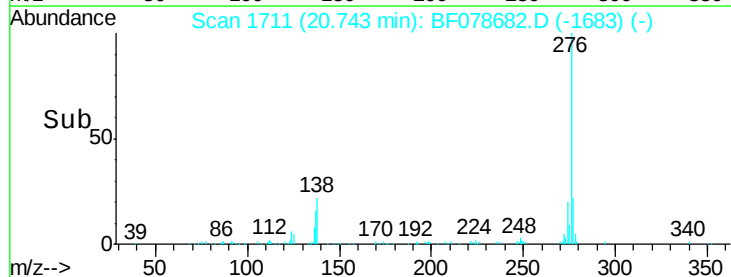
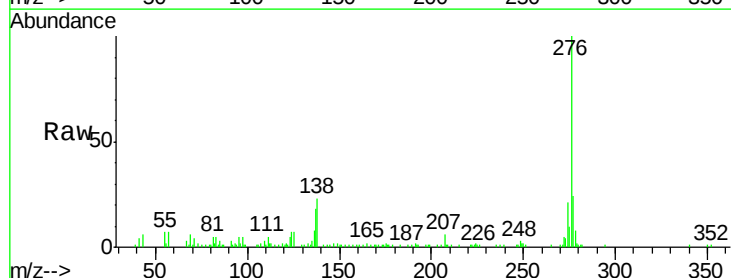
RT: 20.74 min Scan# 1711

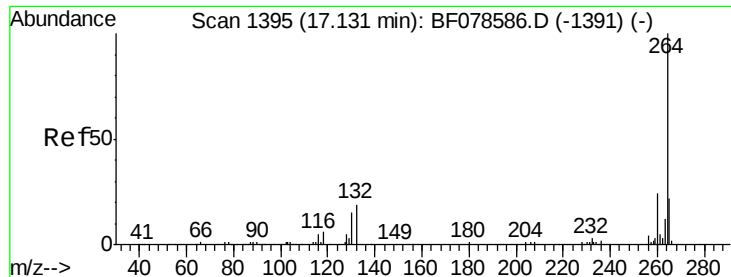
Delta R.T. 0.02 min

Lab File: BF078682.D

Acq: 21 Apr 2015 12:38

Tgt Ion:	276	Resp:	82731
Ion Ratio	Lower	Upper	
276	100		
138	4.4	16.9	25.3#
277	4.1	15.8	23.6#





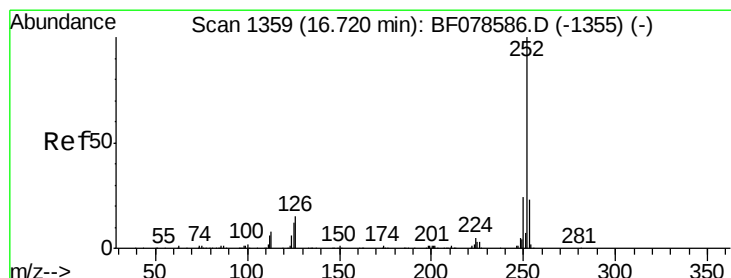
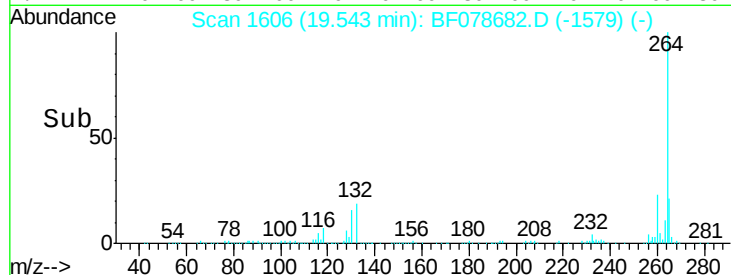
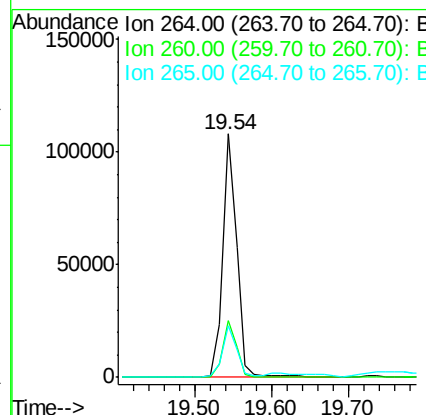
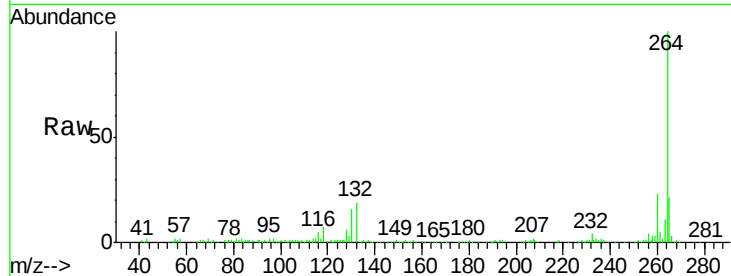
#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.54 min Scan# 1606
Delta R.T. 0.01 min
Lab File: BF078682.D
Acq: 21 Apr 2015 12:38

Instrument :
BNA_F
ClientSampleId :
SP-B-3DL

Tot Ion:	264	Resp:	137287
Ion Ratio	Lower	Upper	
264	100		
260	23.3	18.6	27.8
265	21.5	17.0	25.6

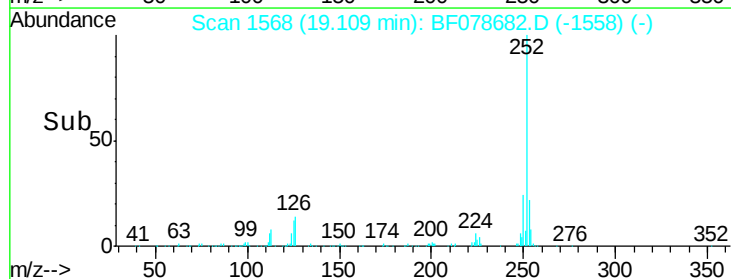
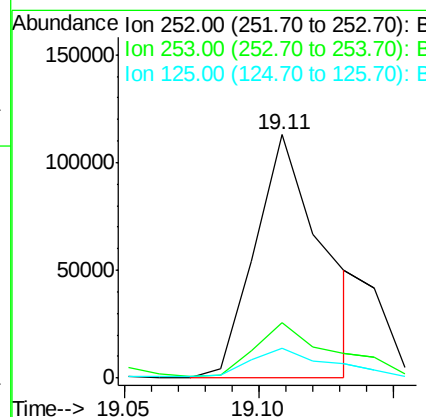
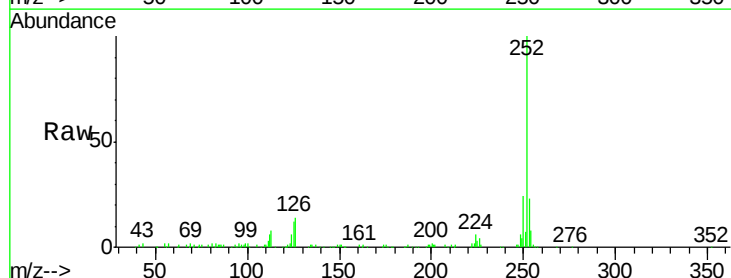
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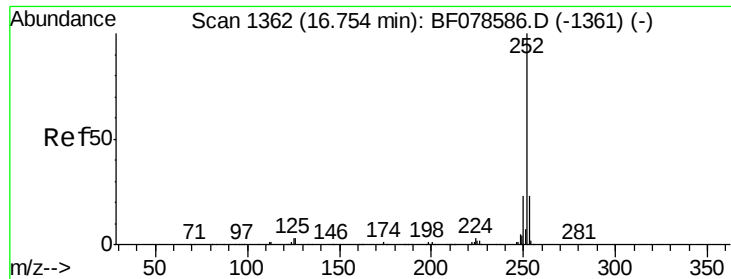
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#87
Benzo(b)fluoranthene
Concen: 23.28 ng m
RT: 19.11 min Scan# 1568
Delta R.T. 0.01 min
Lab File: BF078682.D
Acq: 21 Apr 2015 12:38

Tgt Ion:	252	Resp:	197511
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.2	25.8
125	12.2	7.0	10.4#





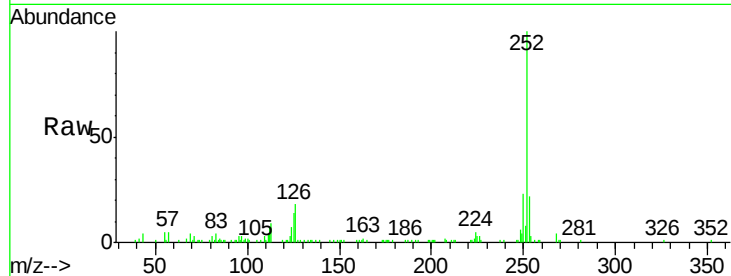
#88
Benzo(k)fluoranthene
Concen: 4.48 ng/mL
RT: 19.13 min Scan# 1570
Delta R.T. 0.00 min
Lab File: BF078682.D
Acq: 21 Apr 2015 12:38

Instrument :
BNA_F
ClientSampled :
SP-B-3DL

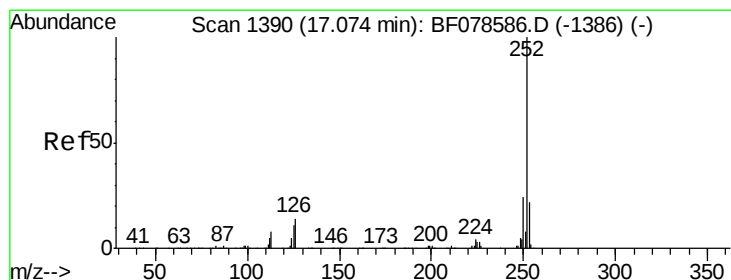
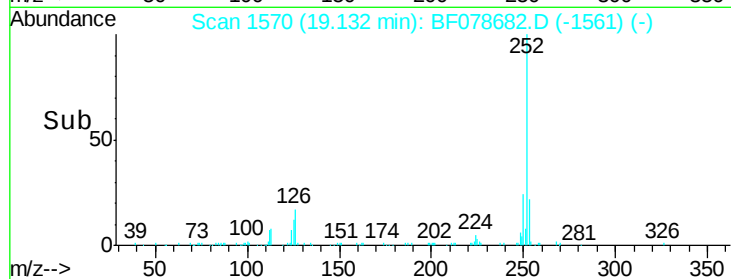
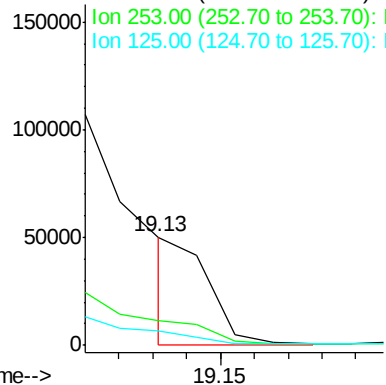
Tot Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
253	22.4	17.5	26.3		
125	13.8	11.6	17.4		

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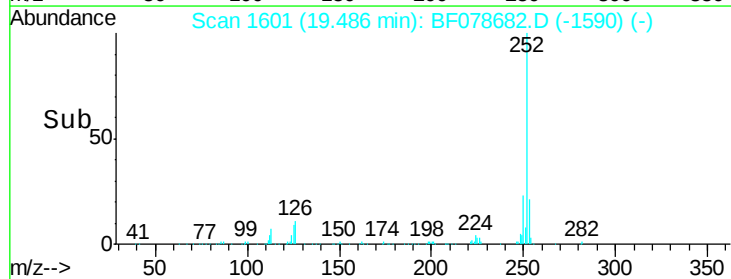
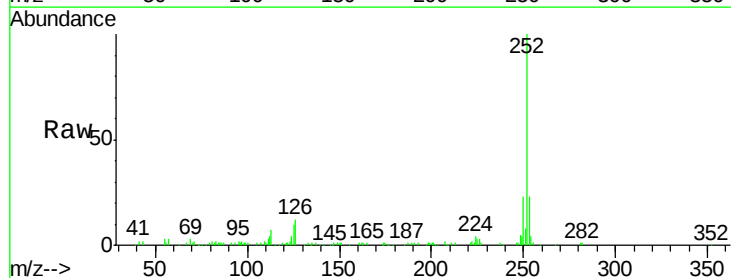
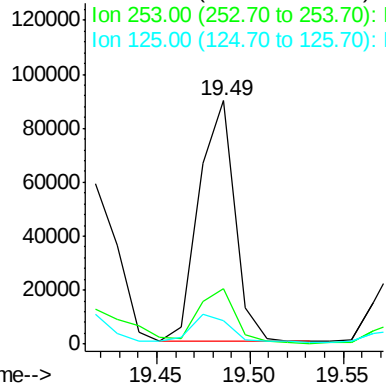
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

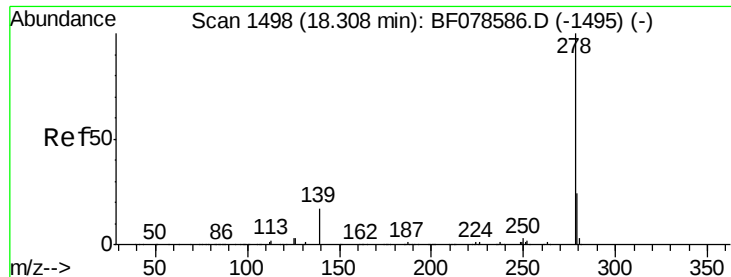


#89
Benzo(a)pyrene
Concen: 16.23 ng/mL
RT: 19.49 min Scan# 1601
Delta R.T. 0.02 min
Lab File: BF078682.D
Acq: 21 Apr 2015 12:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
253	22.7	16.8	25.2		
125	9.9	7.4	11.0		

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





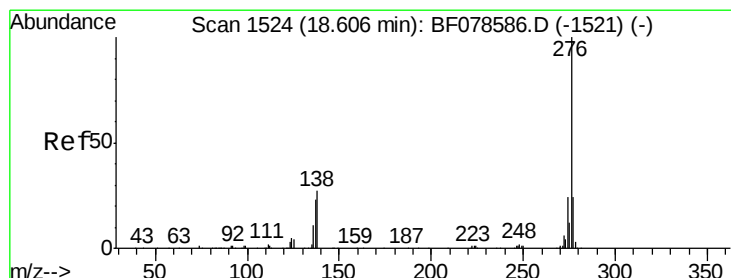
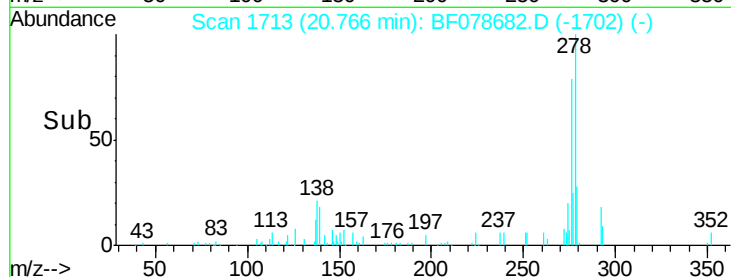
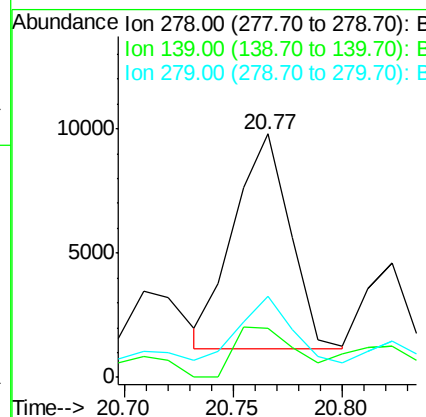
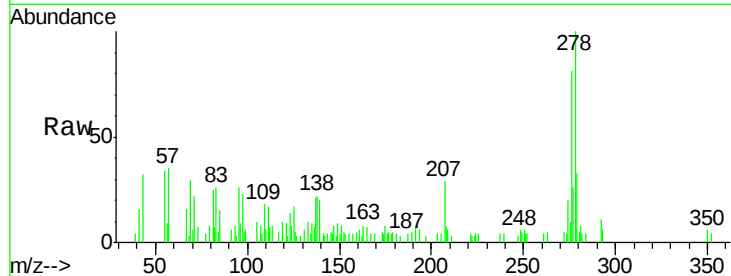
#90
Dibenzo(a,h)anthracene
Concen: 2.10 ng/mL
RT: 20.77 min Scan# 1713
Delta R.T. 0.02 min
Lab File: BF078682.D
Acq: 21 Apr 2015 12:38

Instrument :
BNA_F
ClientSampled :
SP-B-3DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.2	13.6	20.4
279	33.4	19.0	28.6

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#91
Benzo(g,h,i)perylene
Concen: 9.69 ng/mL
RT: 21.06 min Scan# 1739
Delta R.T. 0.02 min
Lab File: BF078682.D
Acq: 21 Apr 2015 12:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.0	28.4
138	26.5	19.9	29.9

