

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
 Data File : BF078697.D
 Acq On : 21 Apr 2015 22:09
 Operator : TP/IZ
 Sample : G1938-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-80D

Manual Integrations
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 4/22/2015 5:22:41 PM

Quant Time: Apr 22 03:44:56 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	35578	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	150636	20.00	ng	-0.01
38) Acenaphthene-d10	11.16	164	78484	20.00	ng	-0.01
63) Phenanthrene-d10	13.90	188	151568	20.00	ng	-0.01
75) Chrysene-d12	17.78	240	149815	20.00	ng	0.00
86) Perylene-d12	19.49	264	162005	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.84	112	256411	118.83	ng	0.01
7) Phenol-d6	5.32	99	326142	120.60	ng	0.00
23) Nitrobenzene-d5	6.75	82	189850	76.39	ng	-0.01
41) 2,4,6-Tribromophenol	12.64	330	83658	128.52	ng	-0.01
44) 2-Fluorobiphenyl	9.99	172	377340	68.72	ng	-0.01
78) Terphenyl-d14	16.43	244	403803	60.91	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	10.80	163	15248	2.59	ng	# 97
51) Acenaphthene	11.22	154	14513	3.16	ng	97
57) Fluorene	12.18	166	11508	2.02	ng	# 95
70) Phenanthrene	13.94	178	433956	49.50	ng	99
71) Anthracene	14.03	178	70981	8.22	ng	99
74) Fluoranthene	15.84	202	328667	35.55	ng	93
77) Pyrene	16.15	202	356651	37.92	ng	# 93
80) Benzo(a)anthracene	17.77	228	151399	16.99	ng	99
82) Chrysene	17.82	228	149226	17.82	ng	97
85) Indeno(1,2,3-cd)pyrene	20.65	276	76375m	8.04	ng	
87) Benzo(b)fluoranthene	19.06	252	155654m	15.55	ng	
88) Benzo(k)fluoranthene	19.09	252	49624m	5.58	ng	
89) Benzo(a)pyrene	19.42	252	127277	14.57	ng	# 93
90) Dibenzo(a,h)anthracene	20.66	278	18072m	2.07	ng	
91) Benzo(a,h,i)perylene	20.96	276	76725	8.75	ng	97

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

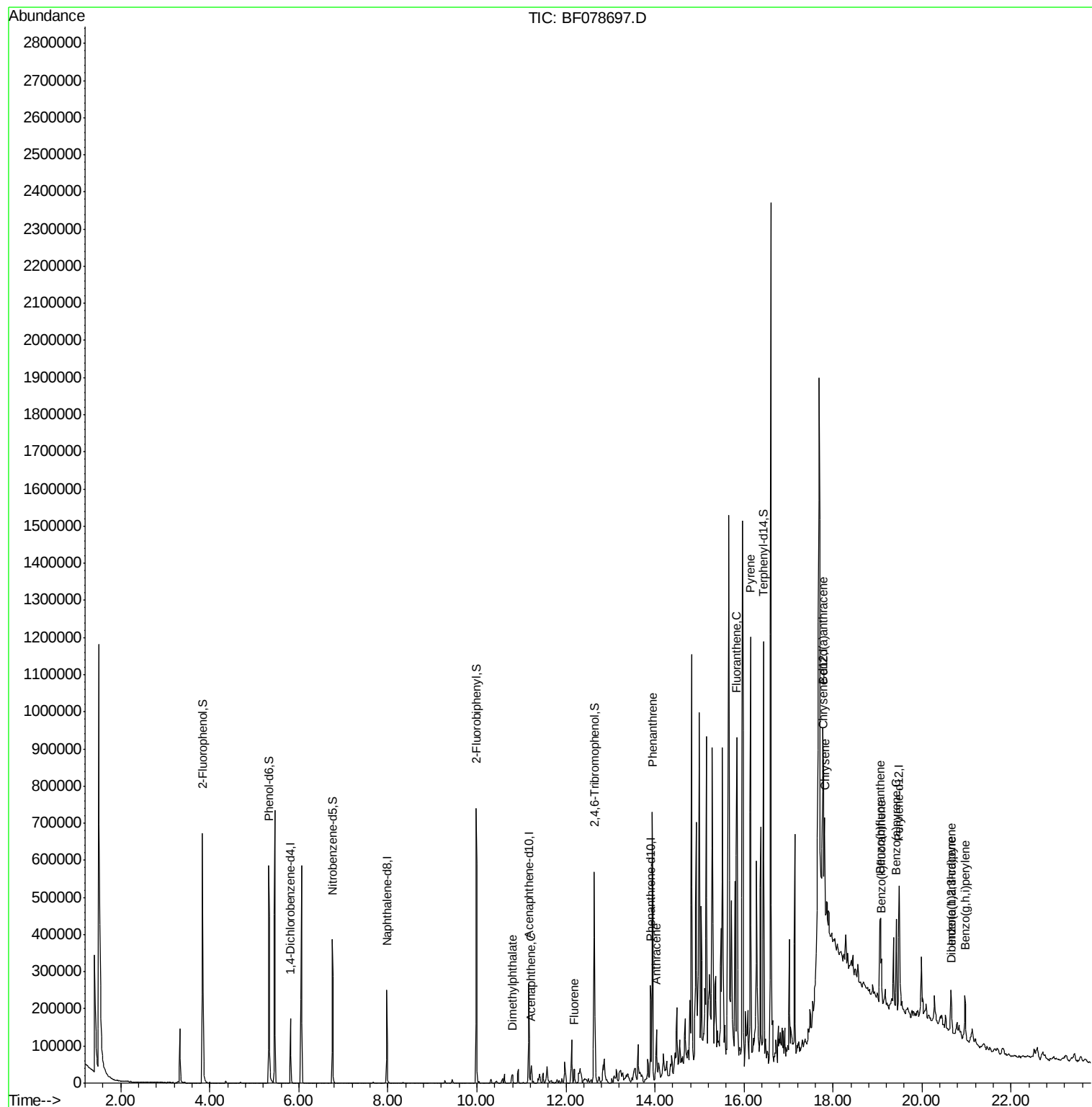
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
Data File : BF078697.D
Acq On : 21 Apr 2015 22:09
Operator : TP/IZ
Sample : G1938-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

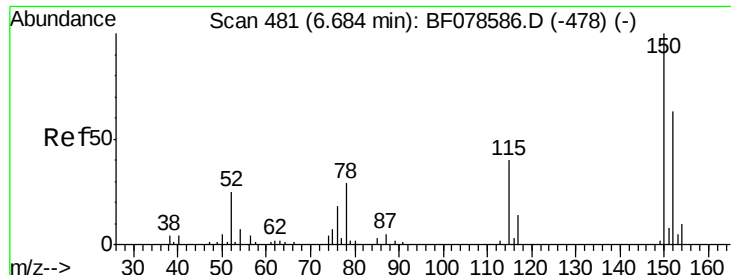
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
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#1

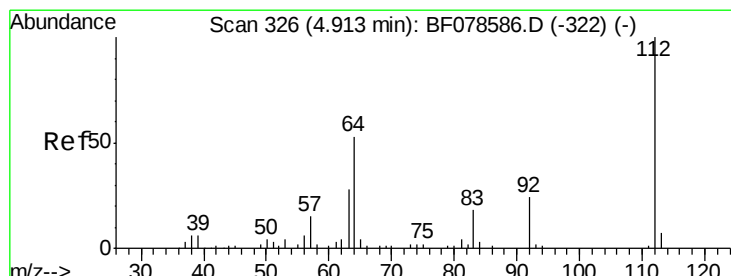
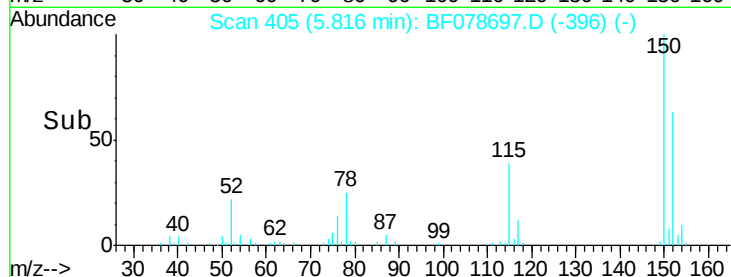
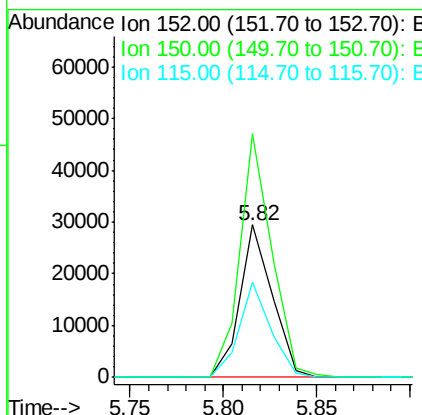
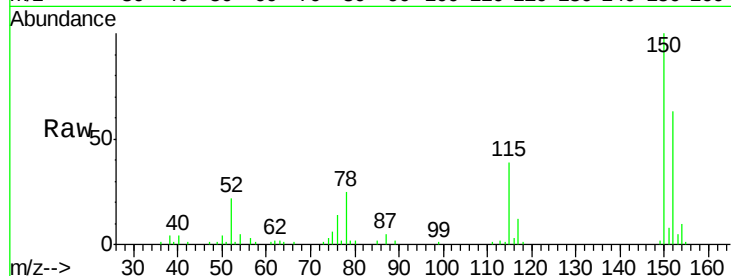
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.82 min Scan# 405
Delta R.T. -0.00 min
Lab File: BF078697.D
Acq: 21 Apr 2015 22:09

Instrument :
BNA_F
ClientSampleId :
SB-80D

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	125.9	188.9
115	62.3	52.7	79.1

Manual Integrations
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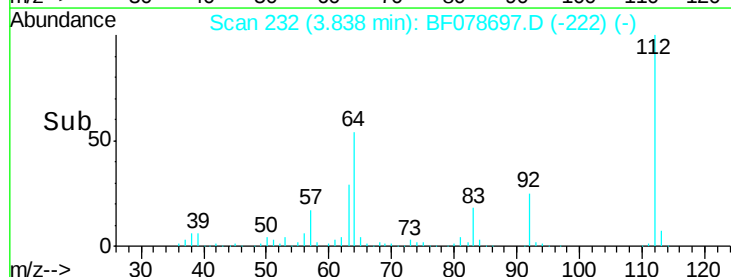
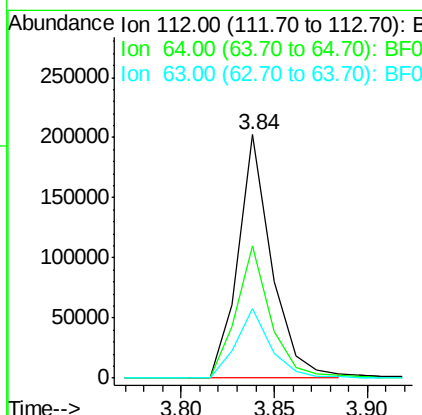
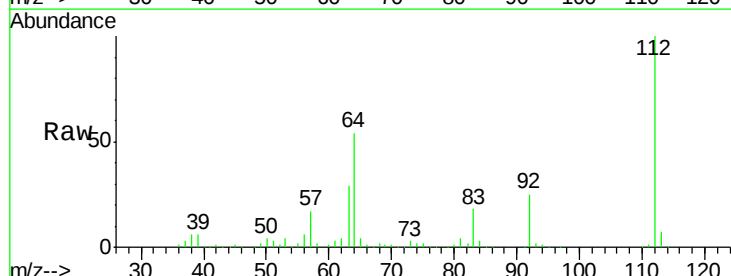
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#5

2-Fluorophenol
Concen: 118.83 ng
RT: 3.84 min Scan# 232
Delta R.T. 0.01 min
Lab File: BF078697.D
Acq: 21 Apr 2015 22:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	39.9	59.9
63	28.5	20.2	30.4





#7

Phenol-d6

Concen: 120.60 ng

RT: 5.32 min Scan# 362

Delta R.T. -0.00 min

Lab File: BF078697.D

Acq: 21 Apr 2015 22:09

Instrument :

BNA_F

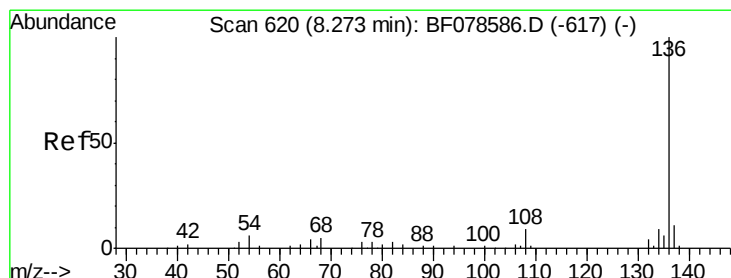
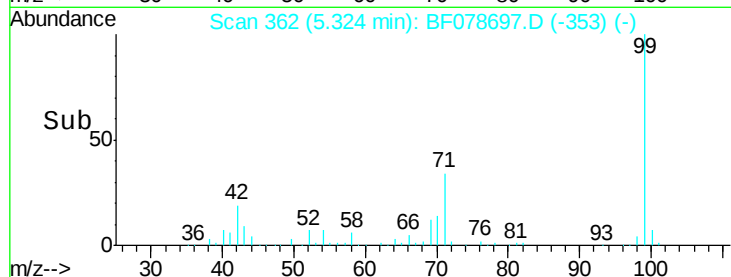
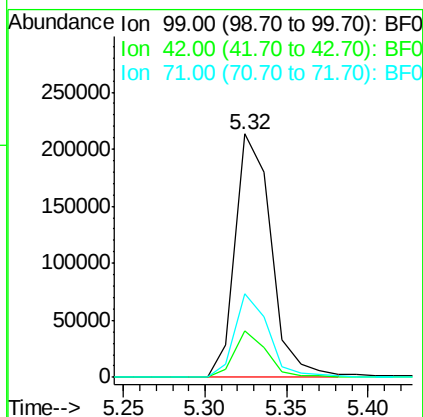
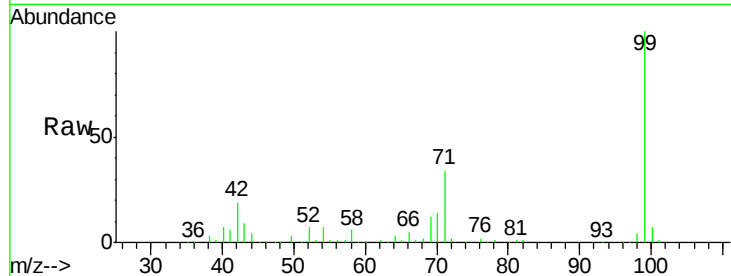
ClientSampleId :

SB-80D

Tot Ion:	99	Resp:	326142
Ion Ratio	Lower	Upper	
99	100		
42	19.0	14.8	22.2
71	34.4	26.6	39.8

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#21

Naphthalene-d8

Concen: 20.00 ng

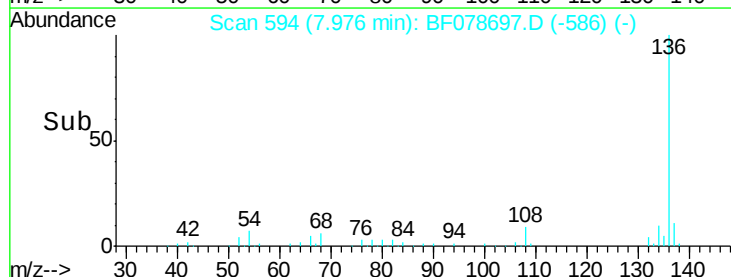
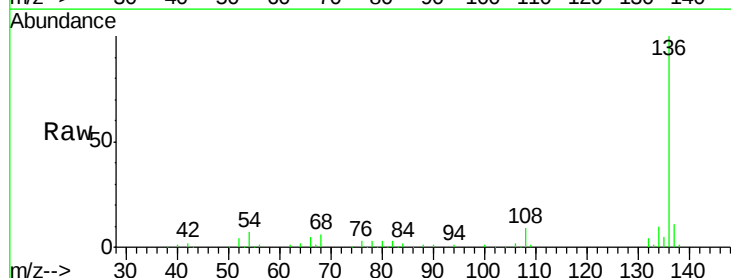
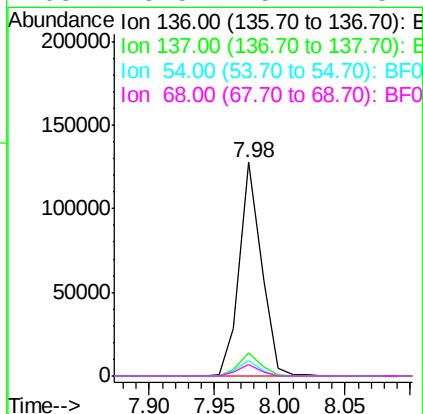
RT: 7.98 min Scan# 594

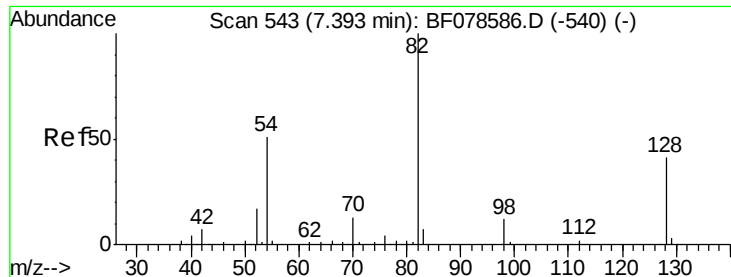
Delta R.T. -0.01 min

Lab File: BF078697.D

Acq: 21 Apr 2015 22:09

Tgt Ion:	136	Resp:	150636
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.4
54	7.1	7.0	10.6
68	5.5	5.4	8.2





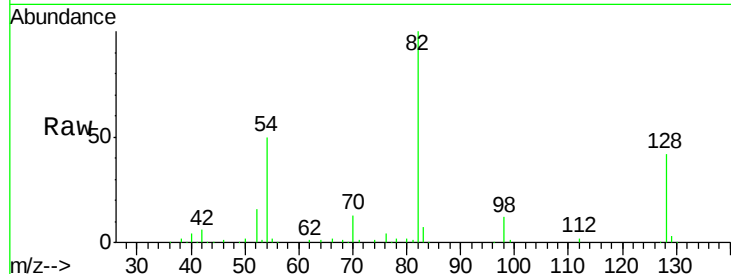
#23
 Nitrobenzene-d5
 Concen: 76.39 ng
 RT: 6.75 min Scan# 487
 Delta R.T. -0.01 min
 Lab File: BF078697.D
 Acq: 21 Apr 2015 22:09

Instrument :
 BNA_F
 ClientSampleId :
 SB-80D

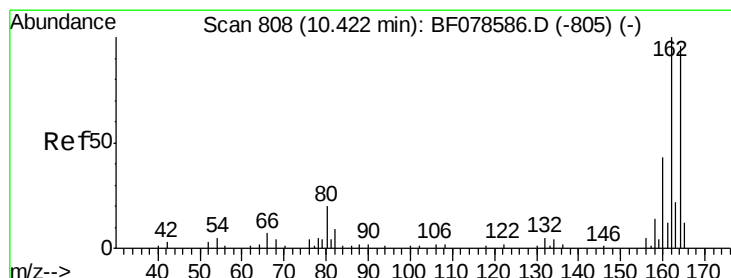
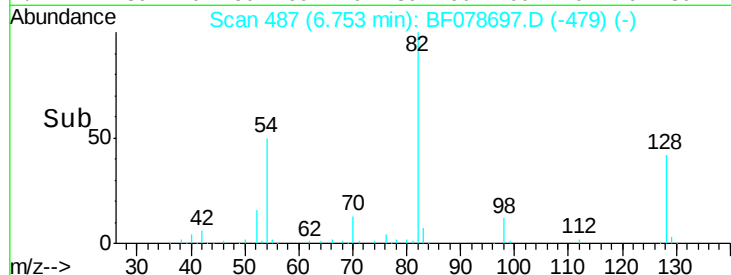
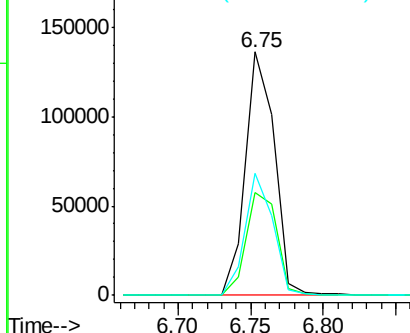
Tot Ion:	82	Resp:	189850
Ion Ratio	Lower	Upper	
82	100		
128	42.0	31.8	47.8
54	50.2	41.5	62.3

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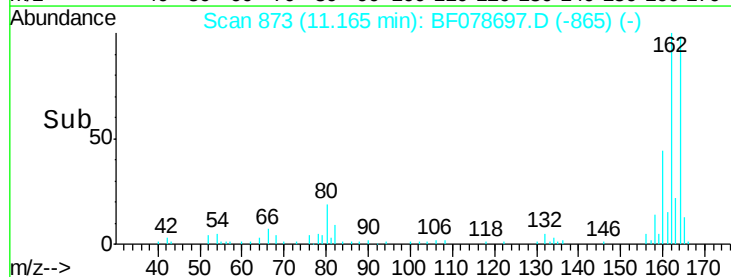
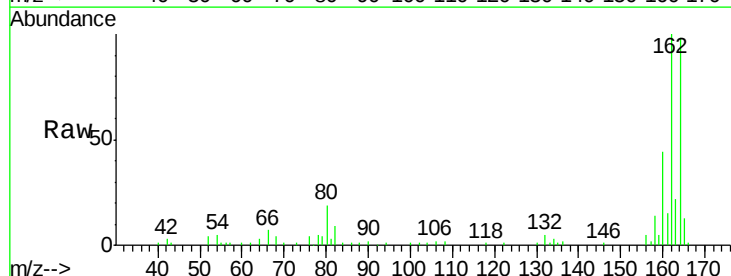
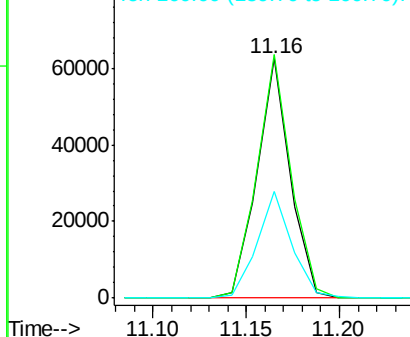
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.16 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: BF078697.D
 Acq: 21 Apr 2015 22:09

Tgt Ion:	164	Resp:	78484
Ion Ratio	Lower	Upper	
164	100		
162	101.7	82.2	123.2
160	44.4	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





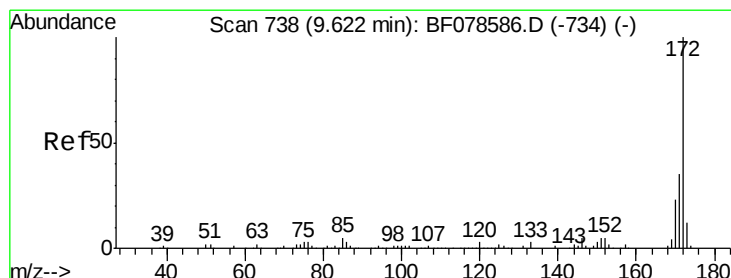
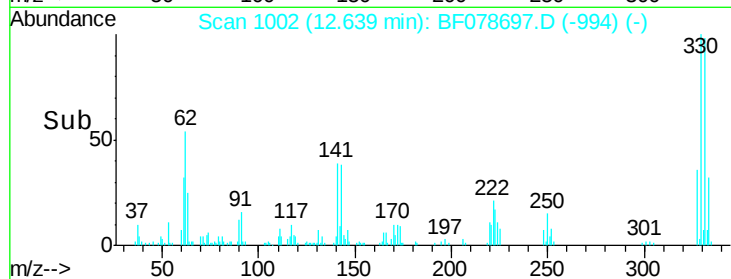
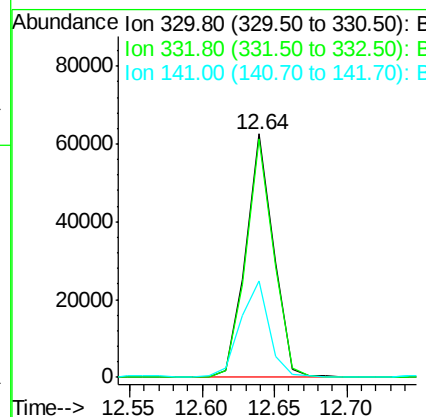
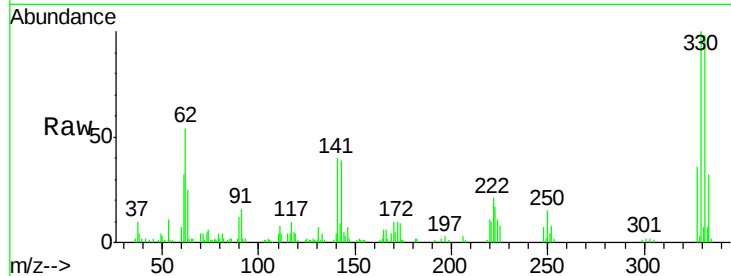
#41
 2,4,6-Tribromophenol
 Concen: 128.52 ng
 RT: 12.64 min Scan# 1002
 Delta R.T. -0.01 min
 Lab File: BF078697.D
 Acq: 21 Apr 2015 22:09

Instrument :
 BNA_F
 ClientSampleId :
 SB-80D

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	78.6	117.8
141	40.9	31.2	46.8

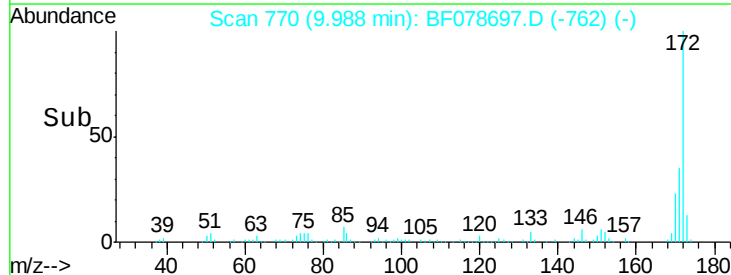
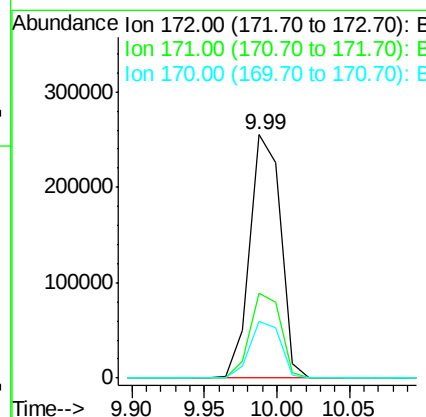
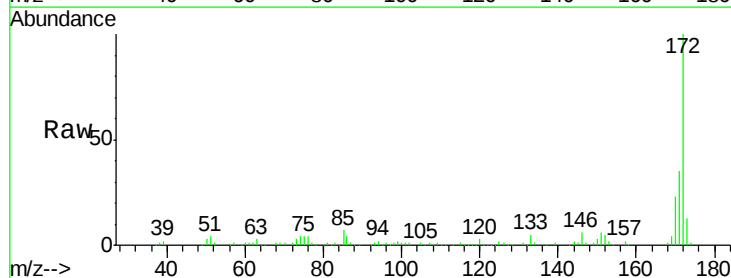
Manual Integrations
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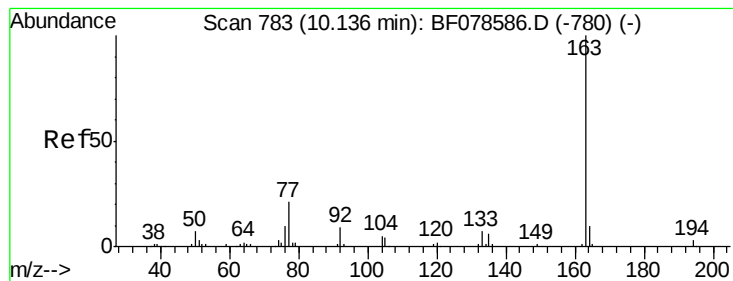
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#44
 2-Fluorobiphenyl
 Concen: 68.72 ng
 RT: 9.99 min Scan# 770
 Delta R.T. -0.01 min
 Lab File: BF078697.D
 Acq: 21 Apr 2015 22:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.6	42.8
170	23.2	18.5	27.7





#49

Dimethylphthalate

Concen: 2.59 ng

RT: 10.80 min Scan# 841

Delta R.T. -0.01 min

Lab File: BF078697.D

Acq: 21 Apr 2015 22:09

Instrument :

BNA_F

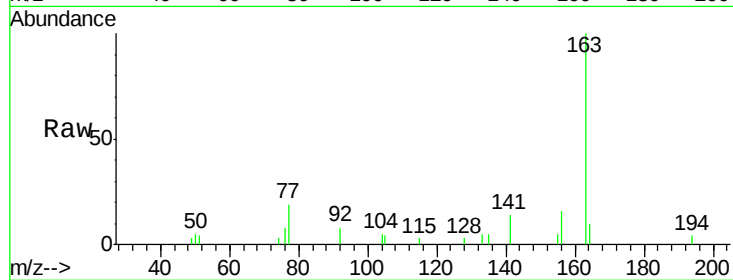
ClientSampleId :

SB-80D

Tot Ion	Ratio	Resp	Lower	Upper
163	100	15248		
194	3.7	2.3	3.5#	
164	9.5	8.6	13.0	

Manual Integrations
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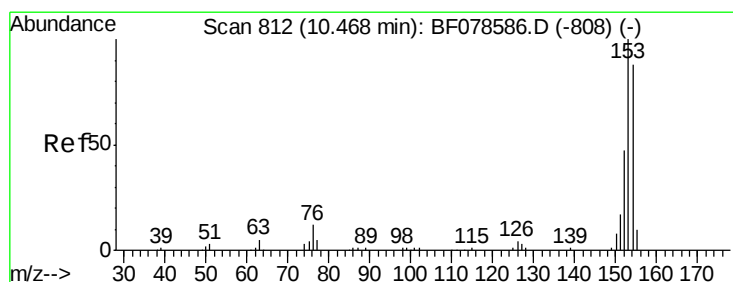
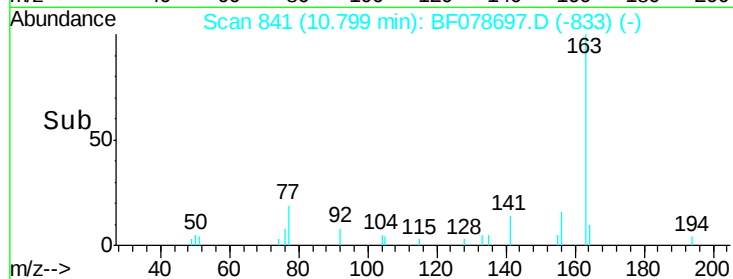
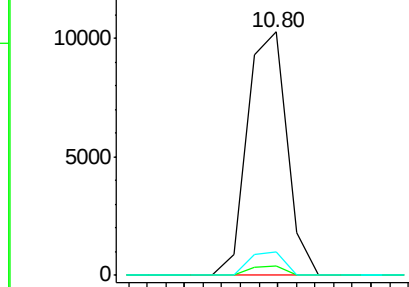
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Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 3.16 ng

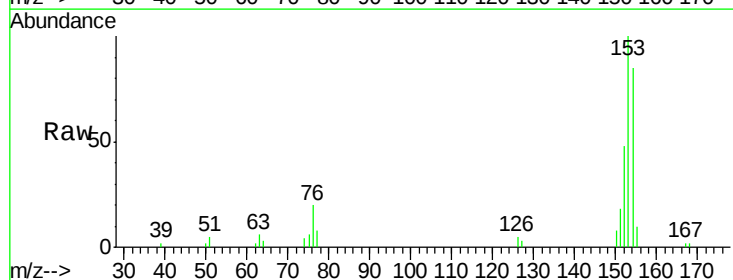
RT: 11.22 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF078697.D

Acq: 21 Apr 2015 22:09

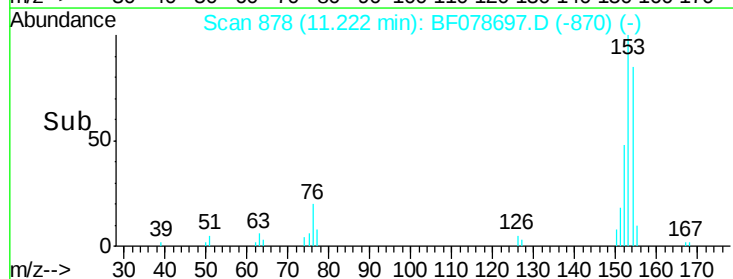
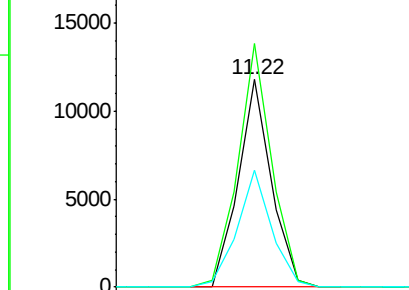
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	14513		
153	117.5	91.4	137.2	
152	56.1	43.0	64.6	

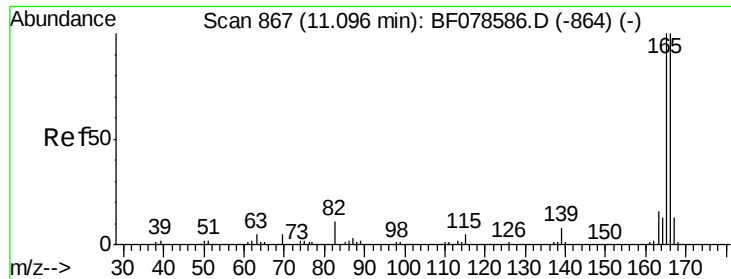


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 2.02 ng

RT: 12.18 min Scan# 962

Delta R.T. -0.01 min

Lab File: BF078697.D

Acq: 21 Apr 2015 22:09

Instrument :

BNA_F

ClientSampleId :

SB-80D

Tot Ion:166 Resp: 11508

Ion Ratio Lower Upper

166 100

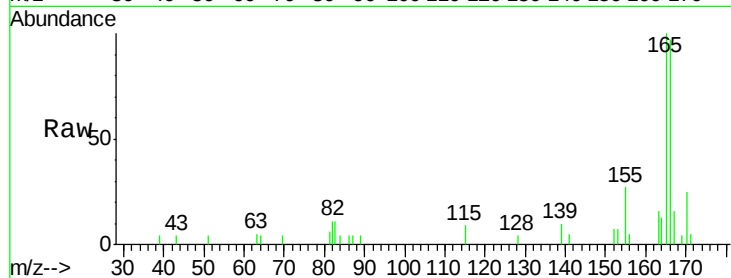
165 103.0 78.9 118.3

167 16.5 10.7 16.1#

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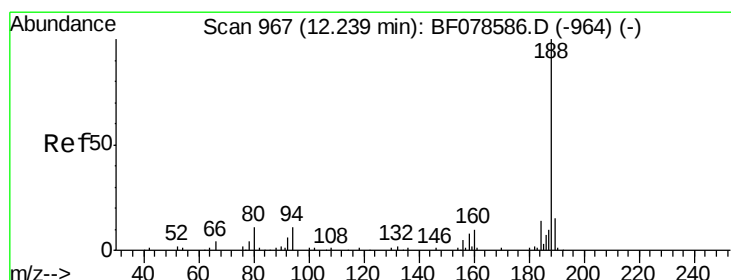
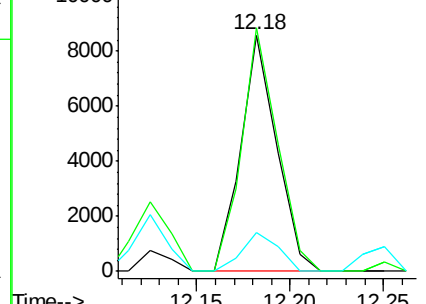
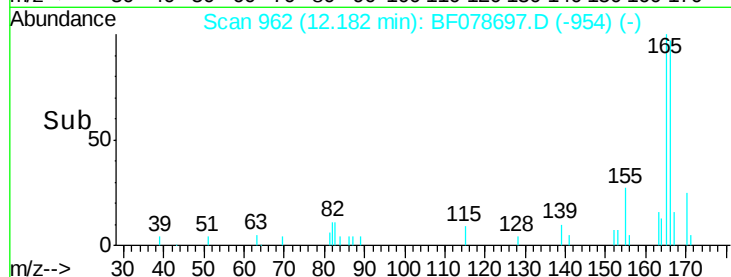
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Abundance Ion 166.00 (165.70 to 166.70): E

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: 13.90 min Scan# 1112

Delta R.T. -0.01 min

Lab File: BF078697.D

Acq: 21 Apr 2015 22:09

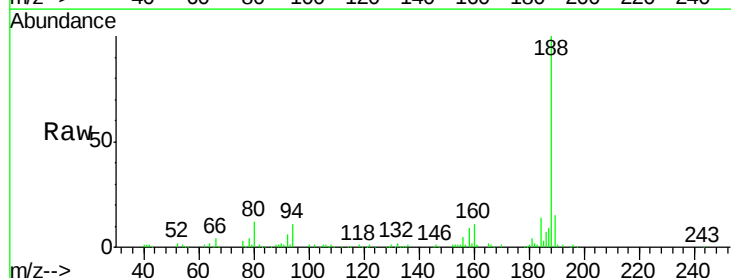
Tgt Ion:188 Resp: 151568

Ion Ratio Lower Upper

188 100

94 10.8 9.0 13.4

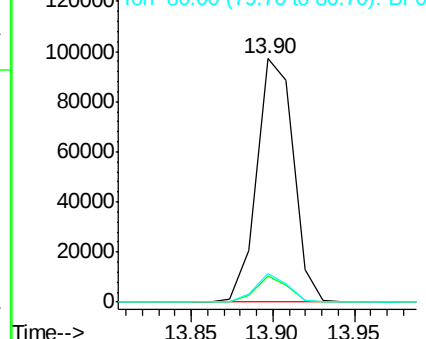
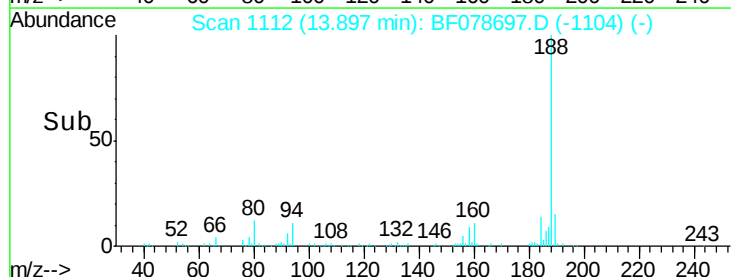
80 11.7 9.5 14.3

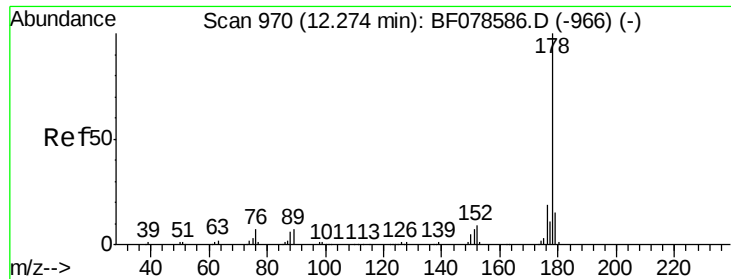


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





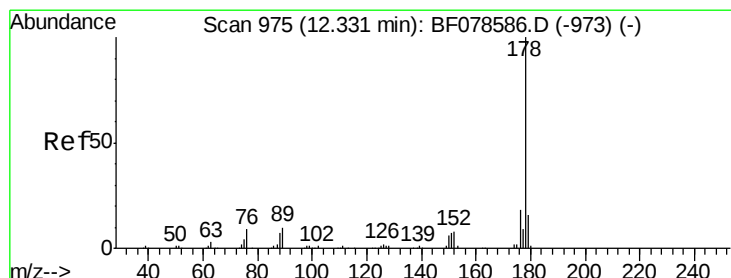
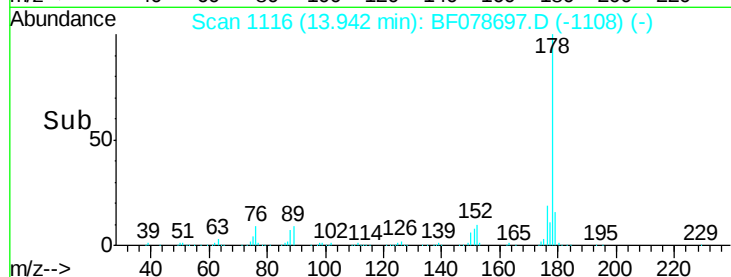
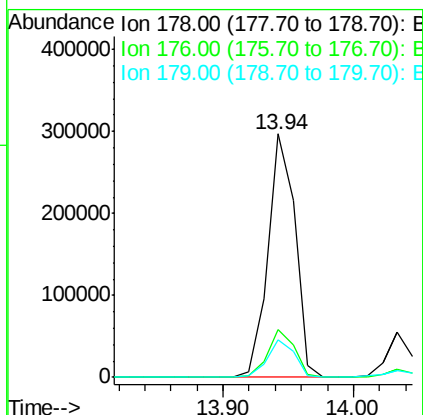
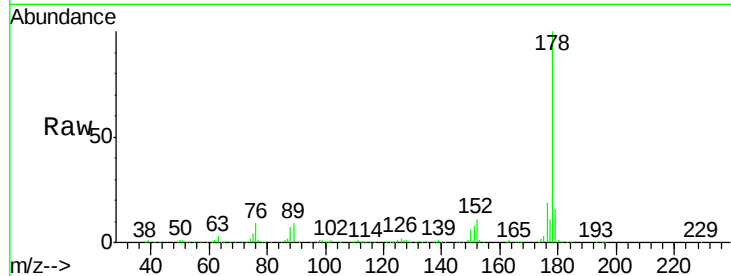
#70
Phenanthrene
Concen: 49.50 ng
RT: 13.94 min Scan# 1116
Delta R.T. -0.01 min
Lab File: BF078697.D
Acq: 21 Apr 2015 22:09

Instrument :
BNA_F
ClientSampleId :
SB-80D

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.6	12.2	18.2

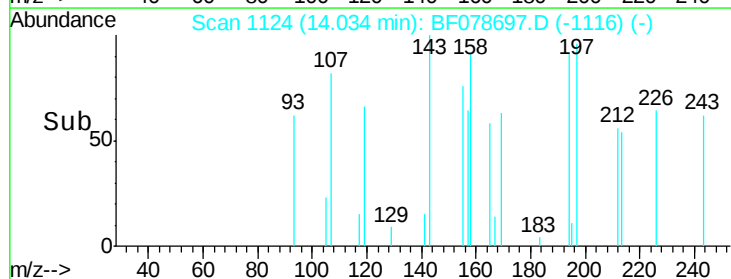
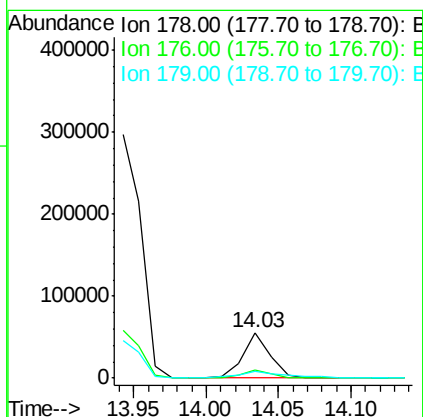
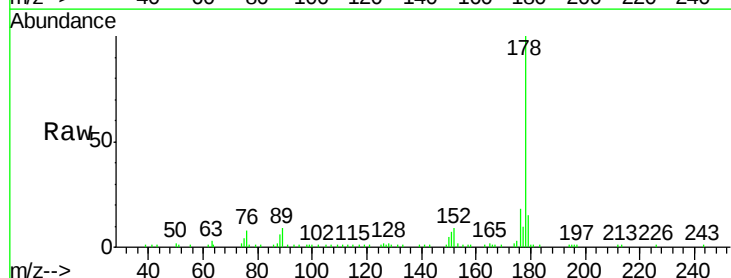
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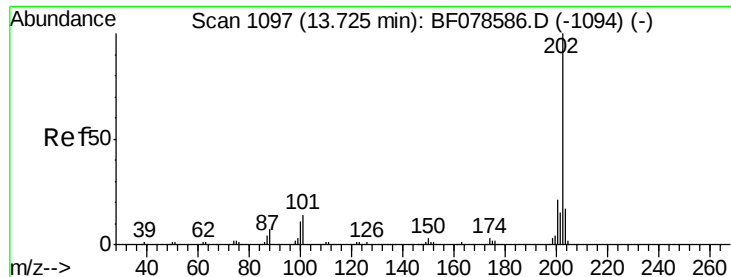
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#71
Anthracene
Concen: 8.22 ng
RT: 14.03 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF078697.D
Acq: 21 Apr 2015 22:09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	14.8	22.2
179	15.4	12.4	18.6





#74

Fluoranthene

Concen: 35.55 ng

RT: 15.84 min Scan# 1282

Delta R.T. -0.00 min

Lab File: BF078697.D

Acq: 21 Apr 2015 22:09

Instrument :

BNA_F

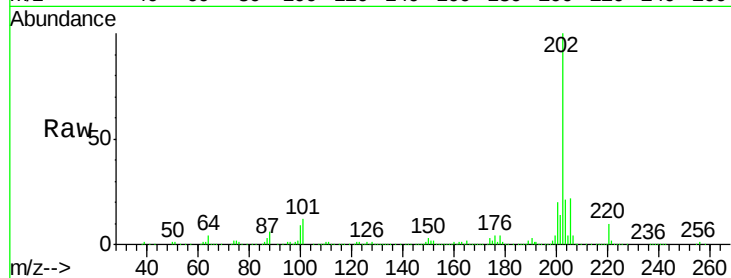
ClientSampleId :

SB-80D

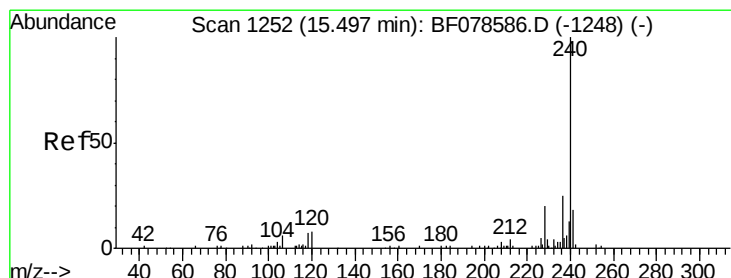
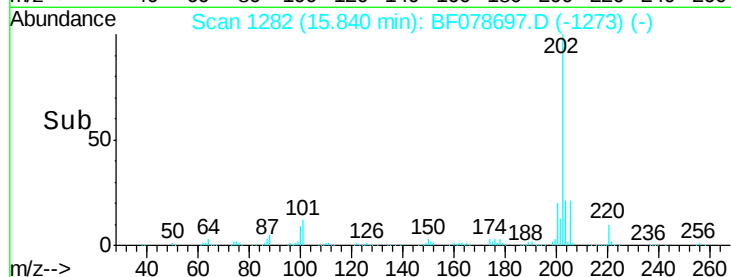
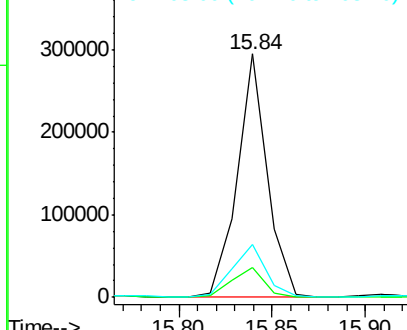
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		328667		
101	12.1	0.0	35.2		
203	21.5	0.0	38.5		

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

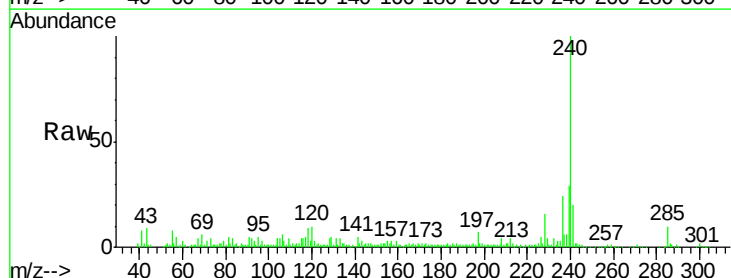
RT: 17.78 min Scan# 1452

Delta R.T. -0.00 min

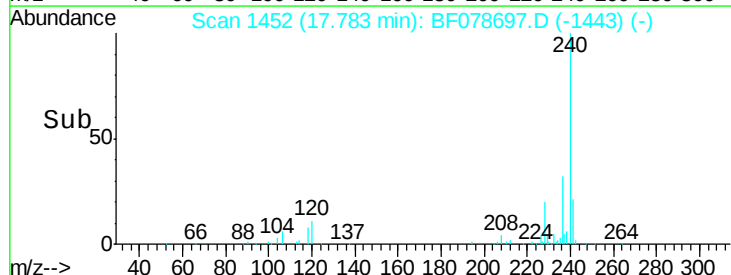
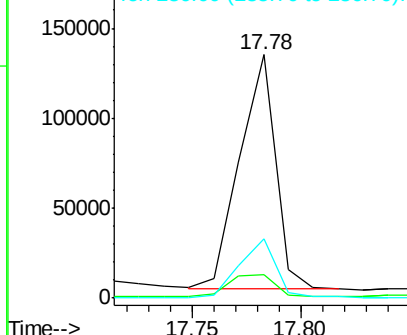
Lab File: BF078697.D

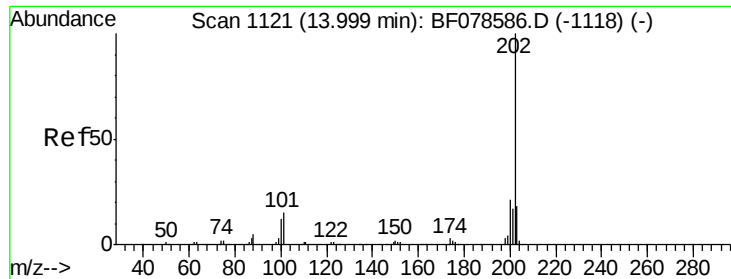
Acq: 21 Apr 2015 22:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		149815		
120	9.8	7.1	10.7		
236	24.3	21.4	32.2		



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 37.92 ng

RT: 16.15 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BF078697.D

Acq: 21 Apr 2015 22:09

Instrument :

BNA_F

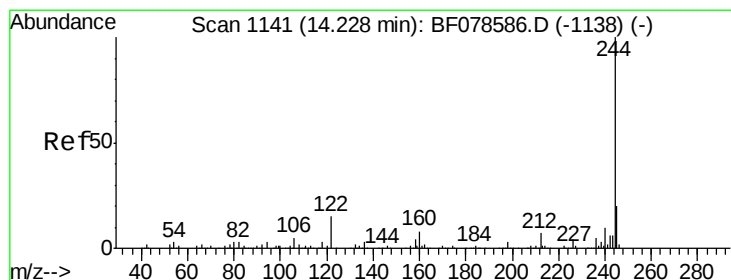
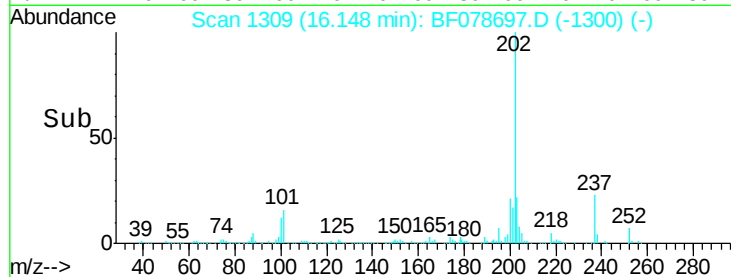
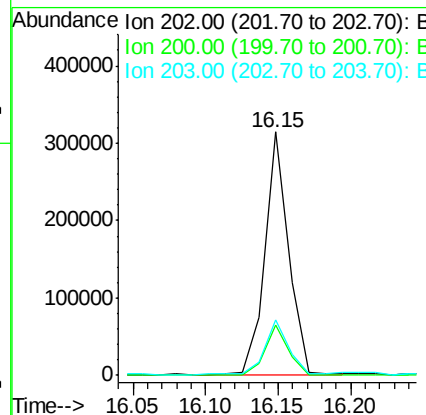
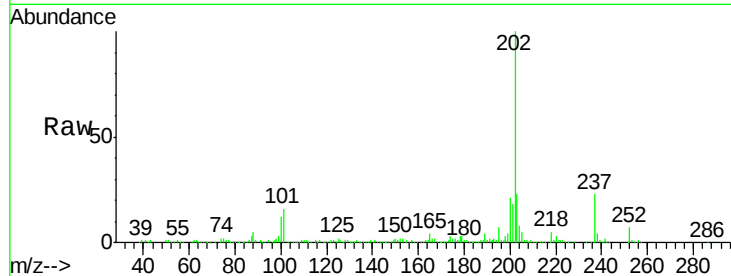
ClientSampleId :

SB-80D

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	20.9	16.3	24.5		
203	22.9	13.8	20.6		

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#78

Terphenyl-d14

Concen: 60.91 ng

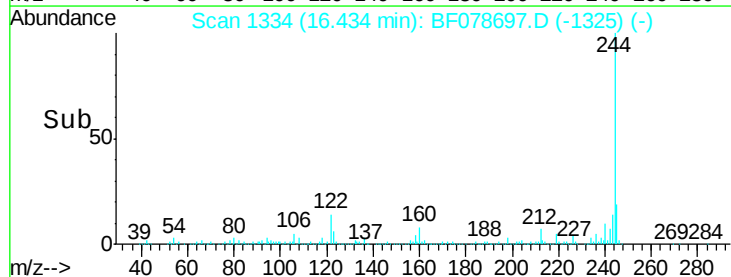
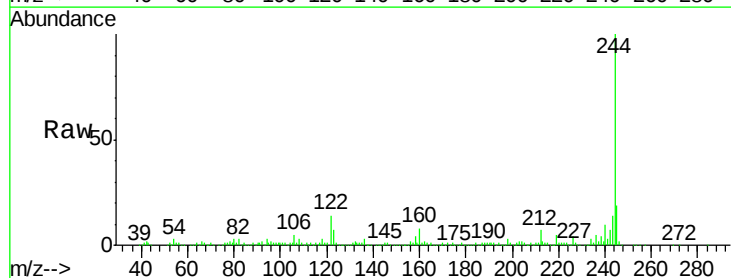
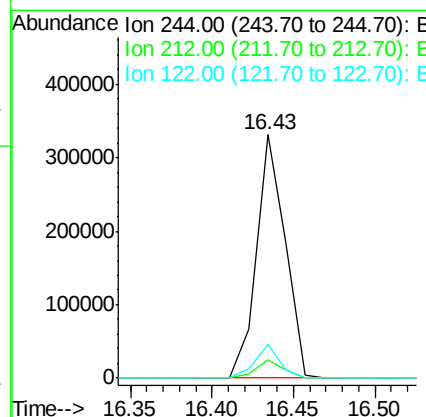
RT: 16.43 min Scan# 1334

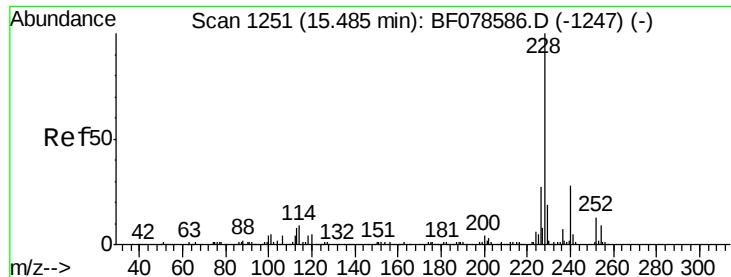
Delta R.T. -0.00 min

Lab File: BF078697.D

Acq: 21 Apr 2015 22:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100				
212	7.3	5.0	7.4		
122	13.9	7.1	10.7		





#80

Benzo(a)anthracene

Concen: 16.99 ng

RT: 17.77 min Scan# 1451

Delta R.T. 0.01 min

Lab File: BF078697.D

Acq: 21 Apr 2015 22:09

Instrument :

BNA_F

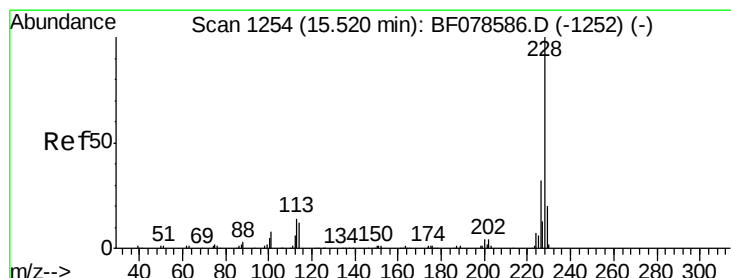
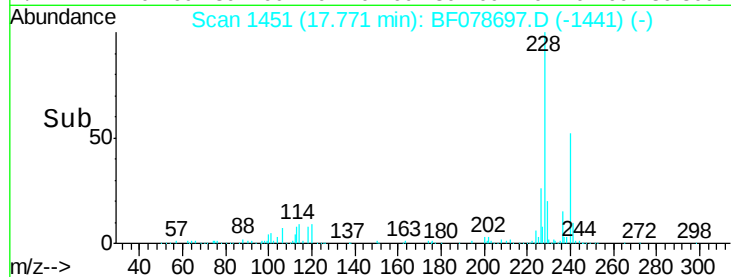
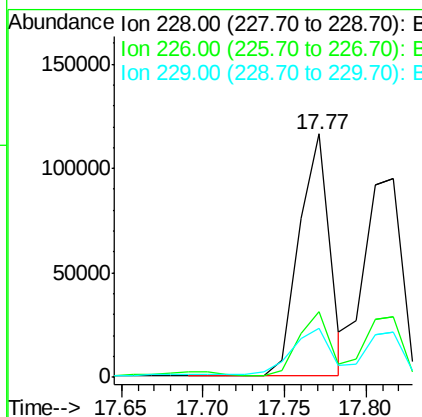
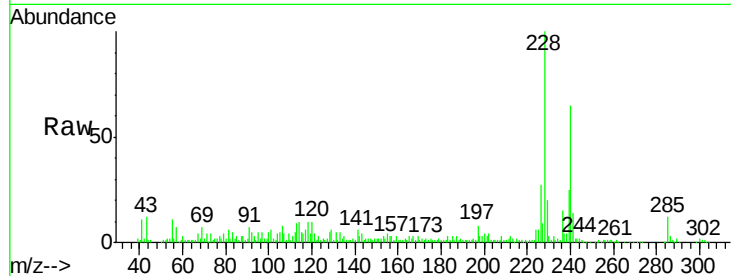
ClientSampleId :

SB-80D

Tot Ion:	228	Resp:	151399
Ion Ratio	Lower	Upper	
228	100		
226	26.9	21.3	31.9
229	20.4	15.4	23.2

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#82

Chrysene

Concen: 17.82 ng

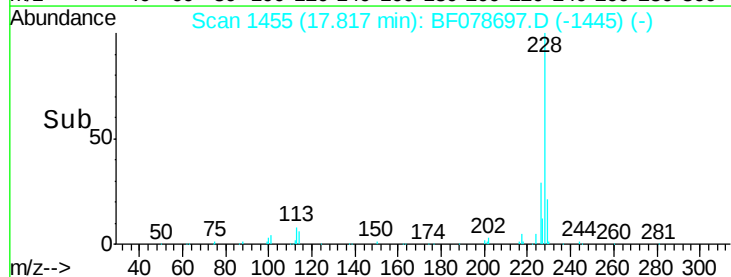
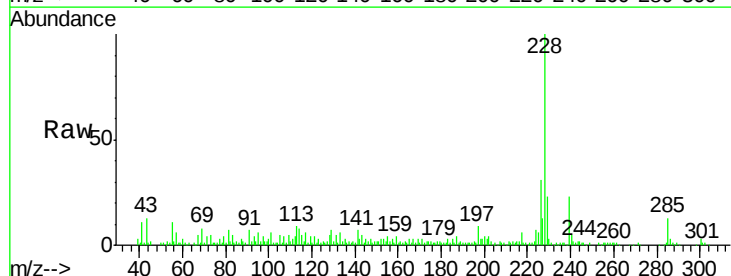
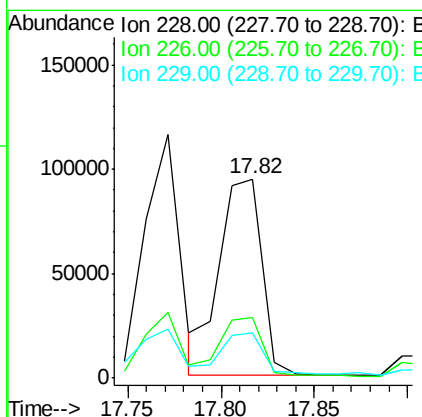
RT: 17.82 min Scan# 1455

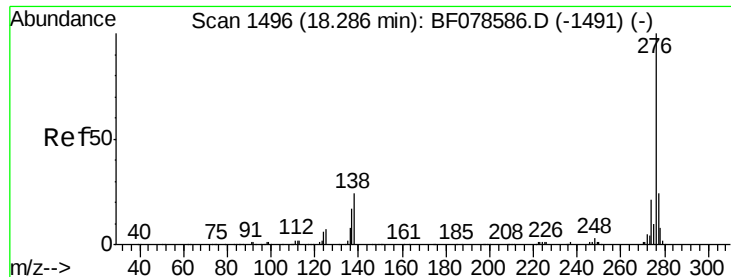
Delta R.T. 0.01 min

Lab File: BF078697.D

Acq: 21 Apr 2015 22:09

Tgt Ion:	228	Resp:	149226
Ion Ratio	Lower	Upper	
228	100		
226	30.8	24.2	36.4
229	22.8	15.8	23.8





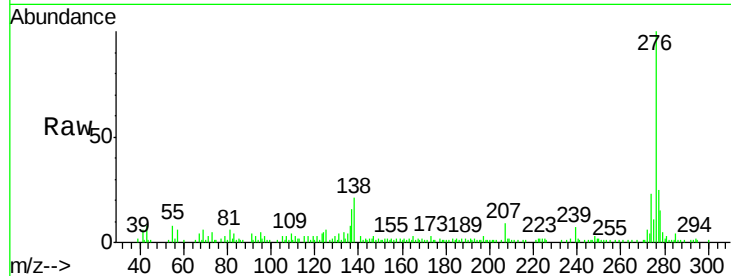
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.04 ng/mL
 RT: 20.65 min Scan# 1703
 Delta R.T. -0.01 min
 Lab File: BF078697.D
 Acq: 21 Apr 2015 22:09

Instrument :
 BNA_F
 ClientSampled :
 SB-80D

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.4	16.9	25.3#
277	4.9	15.8	23.6#

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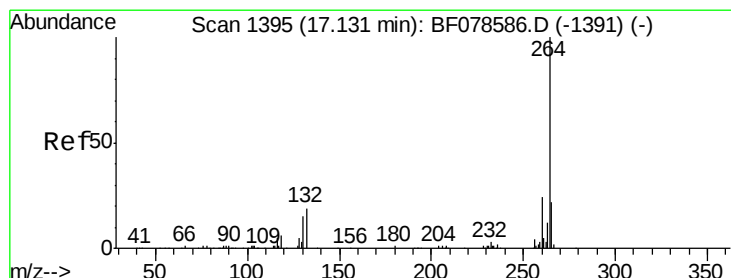
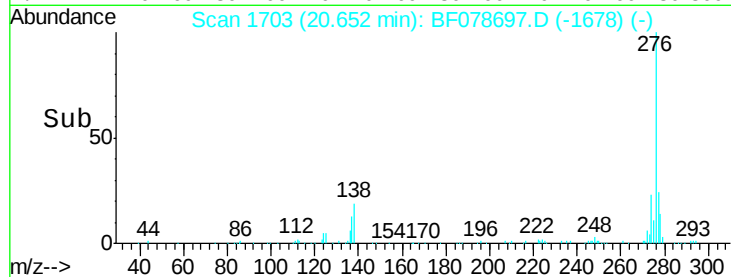
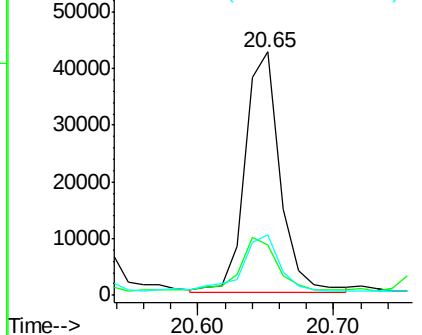


Abundance

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
 Perylene-d12
 Concen: 20.00 ng
 RT: 19.49 min Scan# 1601
 Delta R.T. -0.00 min
 Lab File: BF078697.D
 Acq: 21 Apr 2015 22:09

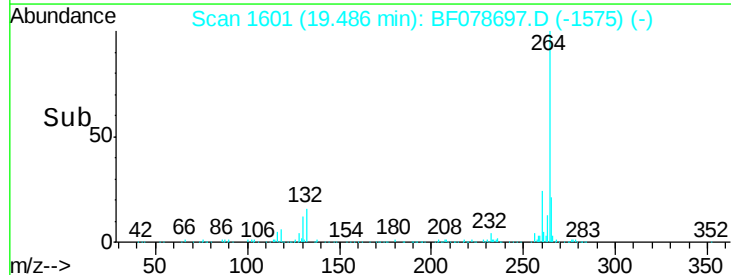
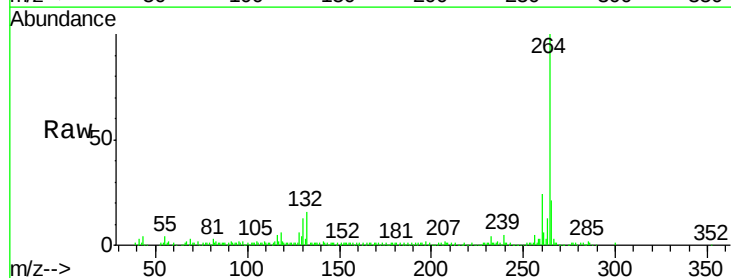
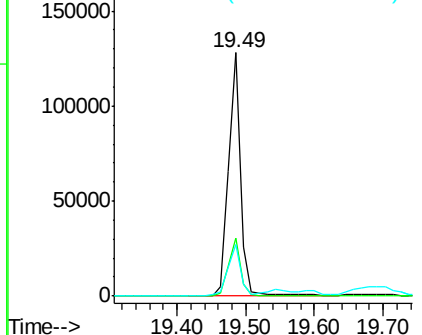
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	27.8
265	21.4	17.0	25.6

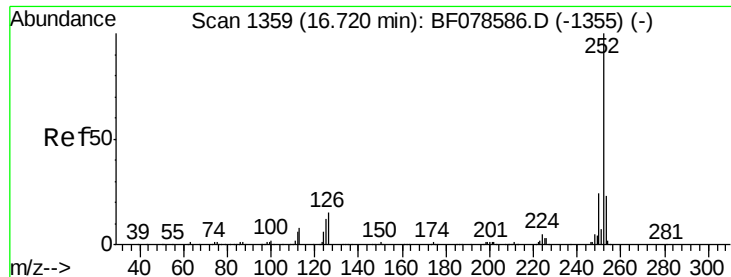
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 15.55 ng m

RT: 19.06 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BF078697.D

Acq: 21 Apr 2015 22:09

Instrument :

BNA_F

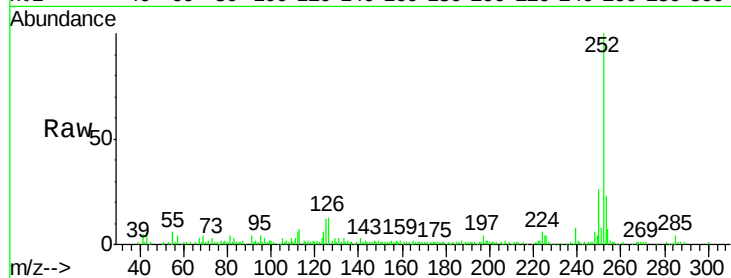
ClientSampleId :

SB-80D

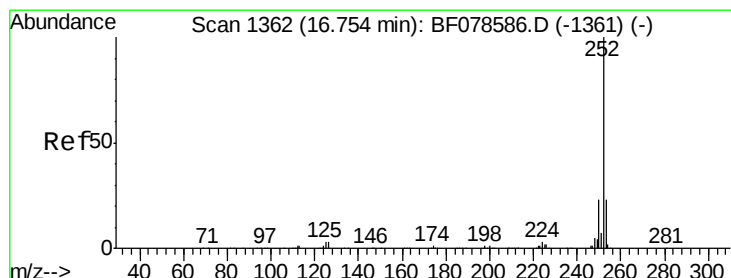
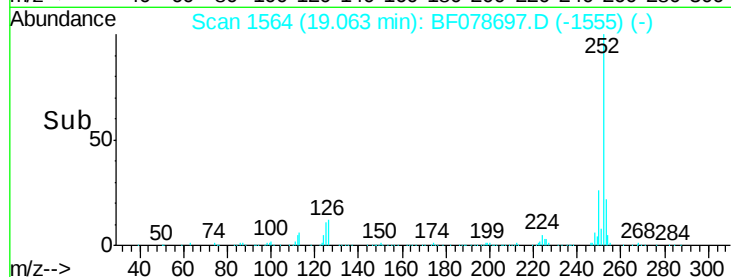
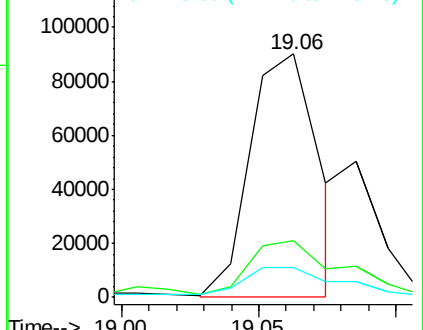
Tot Ion:	252	Resp:	155654
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.2	25.8
125	12.5	7.0	10.4#

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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



#88

Benzo(k)fluoranthene

Concen: 5.58 ng m

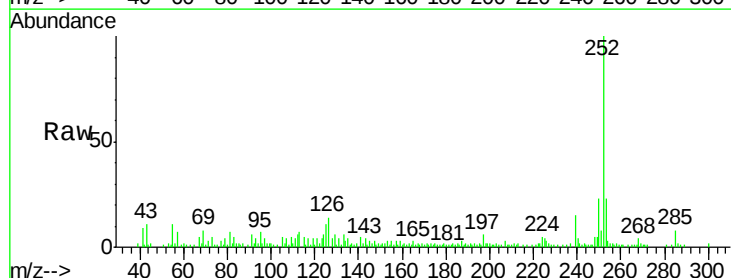
RT: 19.09 min Scan# 1566

Delta R.T. -0.01 min

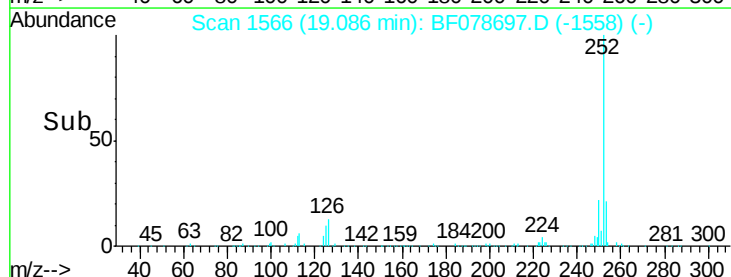
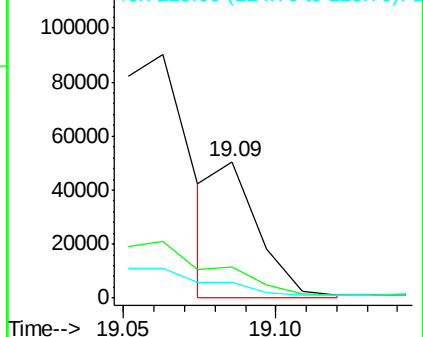
Lab File: BF078697.D

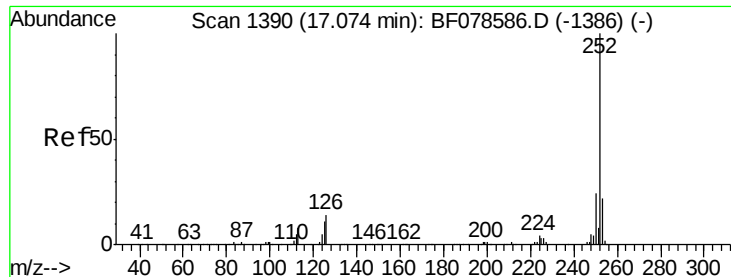
Acq: 21 Apr 2015 22:09

Tgt Ion:	252	Resp:	49624
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.5	26.3
125	11.4	11.6	17.4#



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





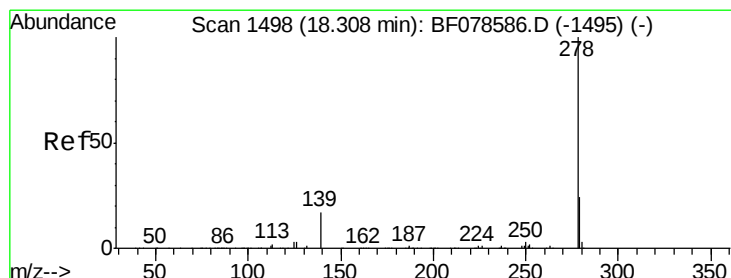
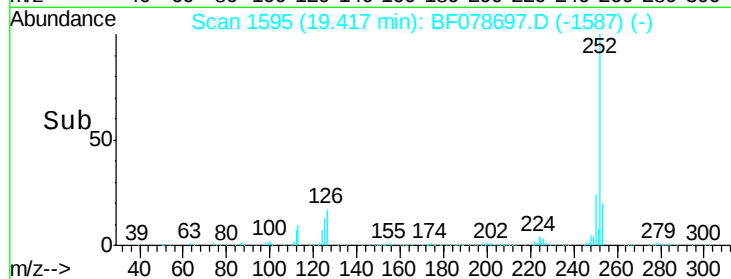
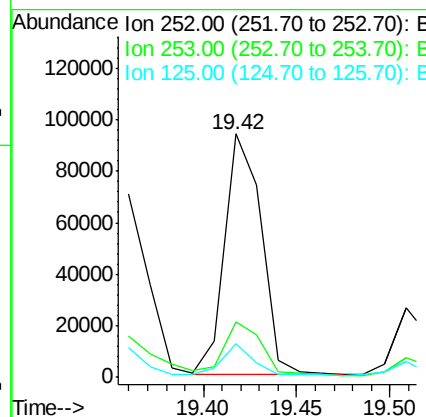
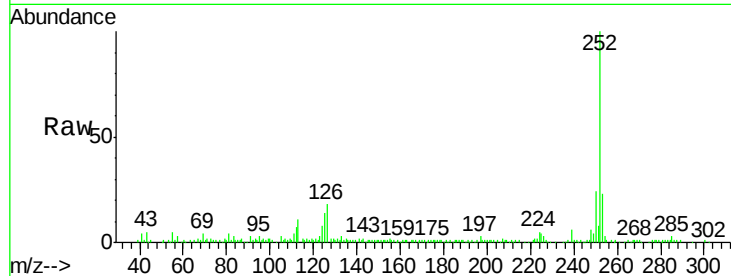
#89
Benzo(a)pyrene
Concen: 14.57 ng
RT: 19.42 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BF078697.D
Acq: 21 Apr 2015 22:09

Instrument :
BNA_F
ClientSampleId :
SB-80D

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	16.8	25.2
125	14.0	7.4	11.0

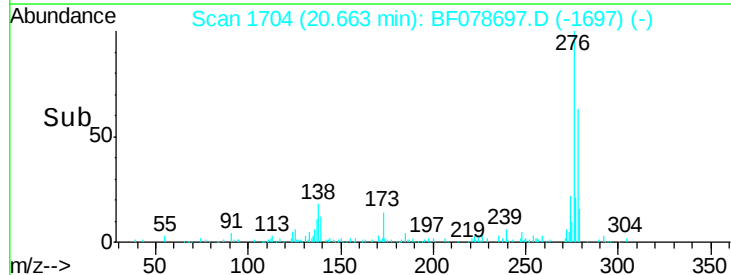
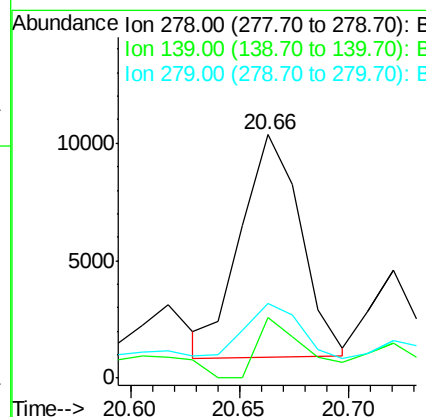
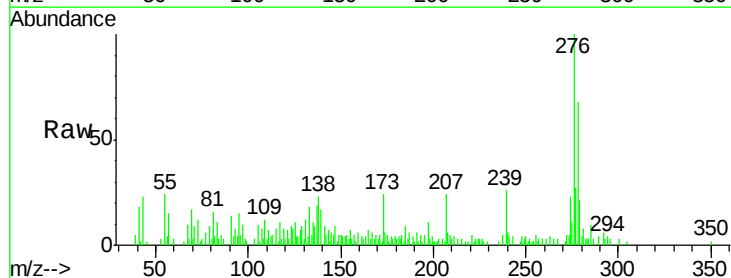
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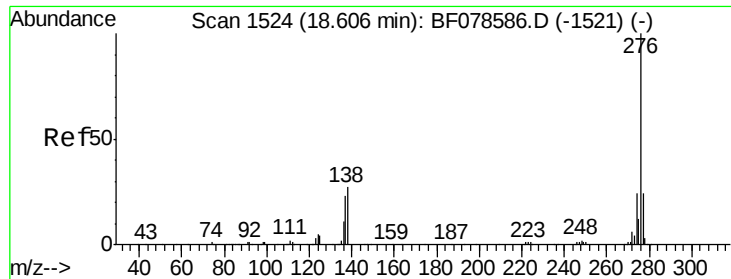
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#90
Dibenzo(a,h)anthracene
Concen: 2.07 ng m
RT: 20.66 min Scan# 1704
Delta R.T. -0.02 min
Lab File: BF078697.D
Acq: 21 Apr 2015 22:09

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.8	13.6	20.4
279	30.4	19.0	28.6





#91
 Benzo(a,h,i)perylene
 Concen: 8.75 ng
 RT: 20.96 min Scan# 1730
 Delta R.T. -0.02 min
 Lab File: BF078697.D
 Acq: 21 Apr 2015 22:09

Instrument :
 BNA_F
 ClientSampleId :
 SB-80D

Tot Ion:	276	Resp:	76725
Ion Ratio	Lower	Upper	
276	100		
277	23.9	19.0	28.4
138	27.8	19.9	29.9

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