

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
 Data File : BF078695.D
 Acq On : 21 Apr 2015 21:07
 Operator : TP/IZ
 Sample : G1938-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-65AS

Manual Integrations
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Quant Time: Apr 22 03:39:09 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	34116	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	142775	20.00	ng	-0.01
38) Acenaphthene-d10	11.17	164	71876	20.00	ng	-0.01
63) Phenanthrene-d10	13.90	188	144008	20.00	ng	-0.01
75) Chrysene-d12	17.77	240	150592	20.00	ng	-0.01
86) Perylene-d12	19.49	264	157142	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	3.84	112	234146	113.16	ng	0.01
7) Phenol-d6	5.32	99	296912	114.50	ng	0.00
23) Nitrobenzene-d5	6.75	82	177210	75.23	ng	-0.01
41) 2,4,6-Tribromophenol	12.64	330	76274	127.95	ng	-0.01
44) 2-Fluorobiphenyl	9.99	172	366439	72.87	ng	-0.01
78) Terphenyl-d14	16.43	244	413518	62.05	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	10.80	163	14496	2.68	ng	# 99
51) Acenaphthene	11.22	154	12586	2.99	ng	97
54) Dibenzofuran	11.55	168	13707	2.13	ng	94
57) Fluorene	12.18	166	15169	2.91	ng	95
70) Phenanthrene	13.94	178	287014	34.45	ng	99
71) Anthracene	14.03	178	56469	6.88	ng	98
72) Carbazole	14.37	167	23315	3.03	ng	99
74) Fluoranthene	15.83	202	335164	38.15	ng	97
77) Pyrene	16.15	202	321410	34.00	ng	# 95
80) Benzo(a)anthracene	17.76	228	171392	19.13	ng	99
82) Chrysene	17.81	228	128420	15.25	ng	97
85) Indeno(1,2,3-cd)pyrene	20.65	276	80333	8.41	ng	# 86
87) Benzo(b)fluoranthene	19.05	252	175117m	18.03	ng	
88) Benzo(k)fluoranthene	19.09	252	46767m	5.42	ng	
89) Benzo(a)pyrene	19.42	252	127975	15.10	ng	# 94
90) Dibenzo(a,h)anthracene	20.67	278	19546m	2.30	ng	
91) Benzo(g,h,i)perylene	20.97	276	79594	9.36	ng	98

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

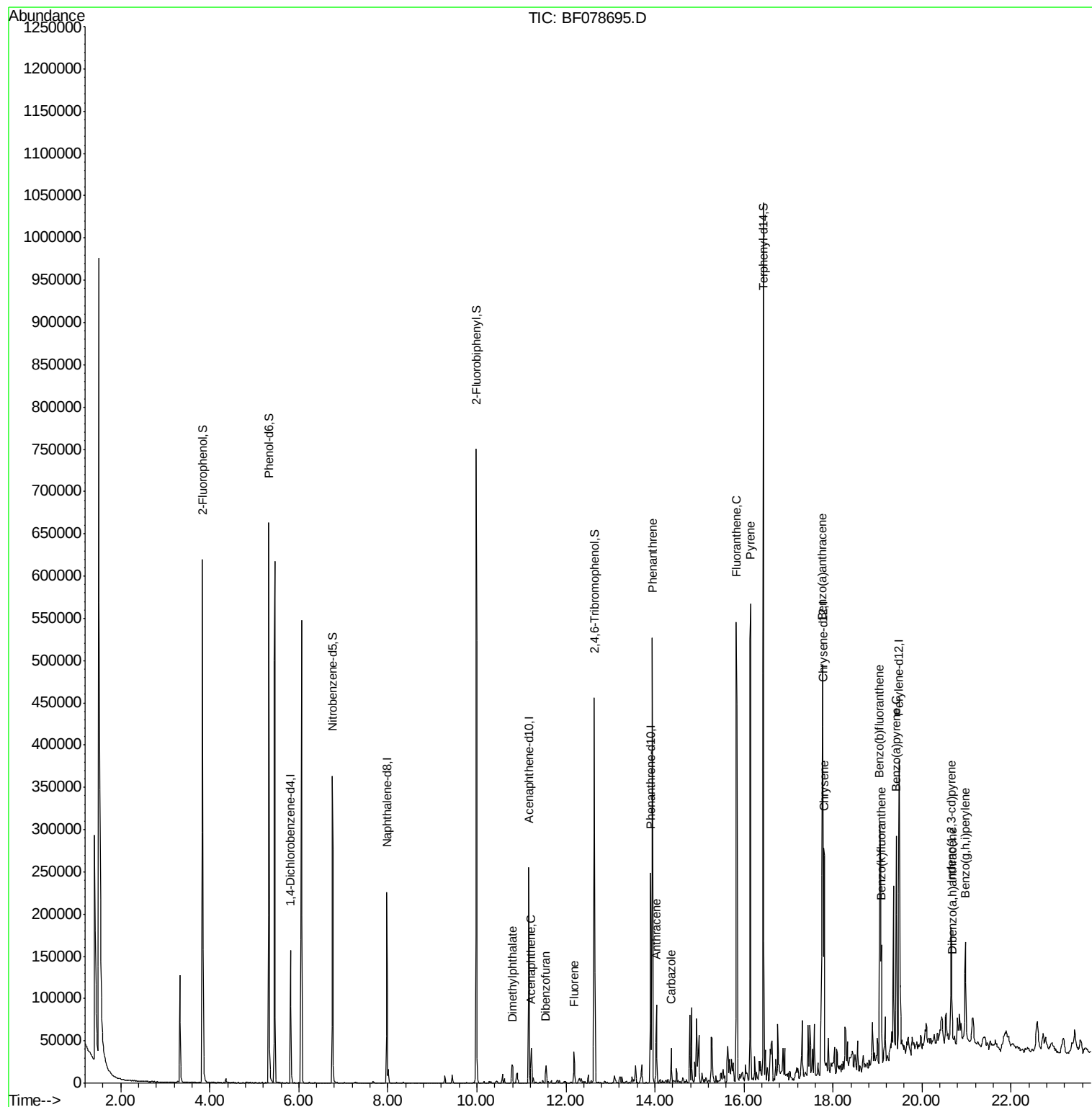
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
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#1

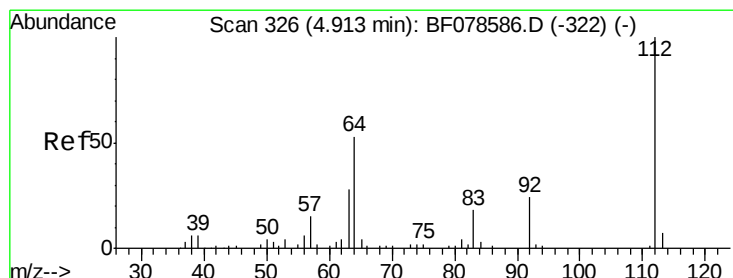
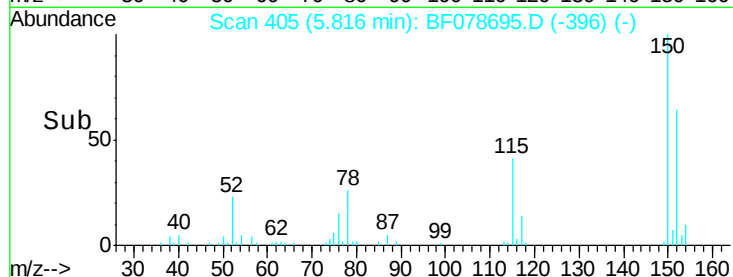
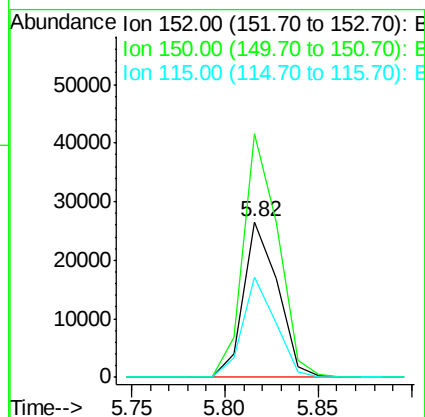
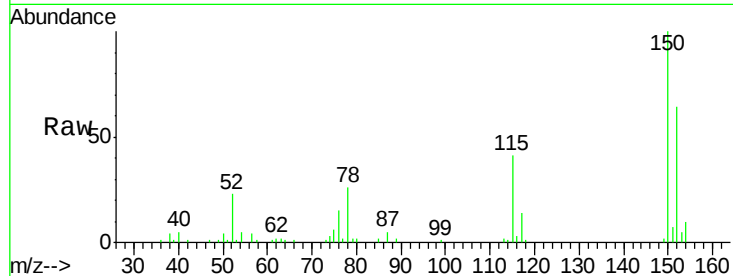
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.82 min Scan# 405
Delta R.T. 0.00 min
Lab File: BF078695.D
Acq: 21 Apr 2015 21:07

Instrument :
BNA_F
ClientSampleId :
SB-65AS

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	125.9	188.9
115	64.5	52.7	79.1

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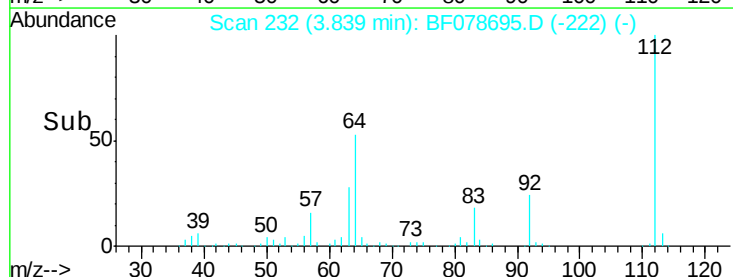
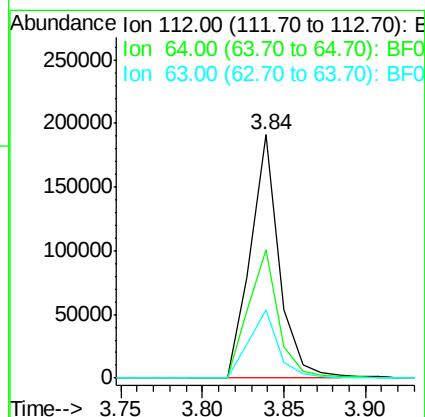
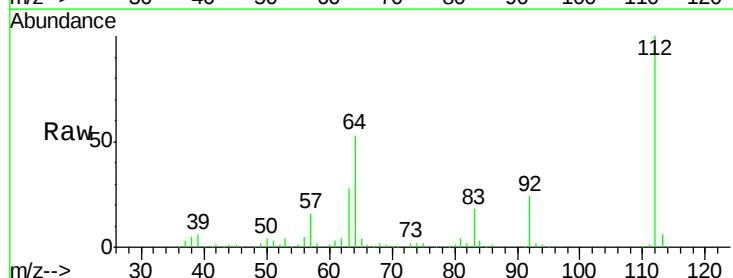
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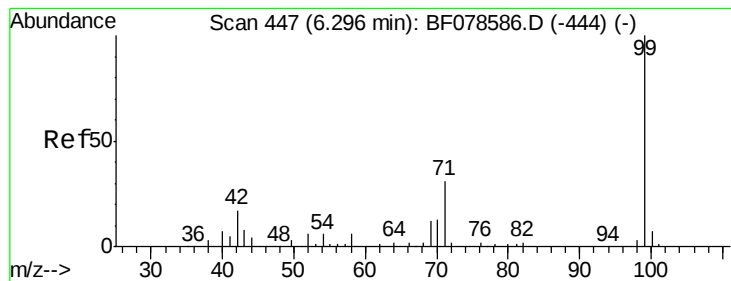


#5

2-Fluorophenol
Concen: 113.16 ng
RT: 3.84 min Scan# 232
Delta R.T. 0.01 min
Lab File: BF078695.D
Acq: 21 Apr 2015 21:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.0	39.9	59.9
63	27.8	20.2	30.4





#7

Phenol-d6

Concen: 114.50 ng

RT: 5.32 min Scan# 362

Delta R.T. 0.00 min

Lab File: BF078695.D

Acq: 21 Apr 2015 21:07

Instrument :

BNA_F

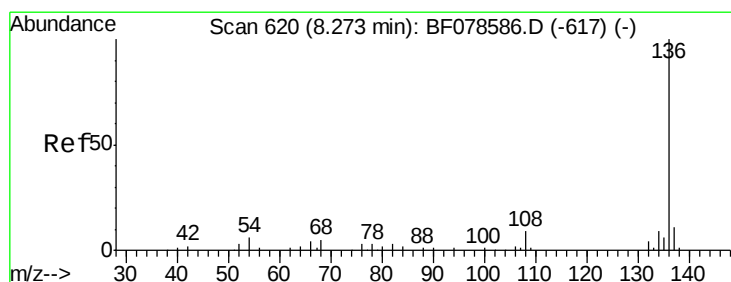
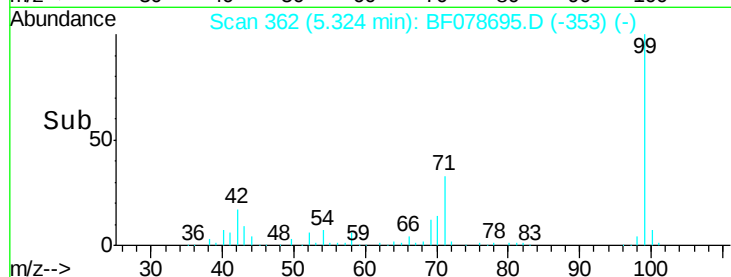
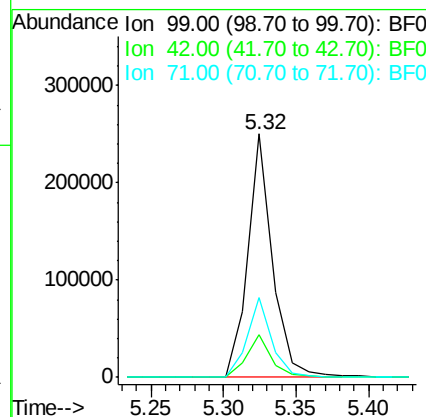
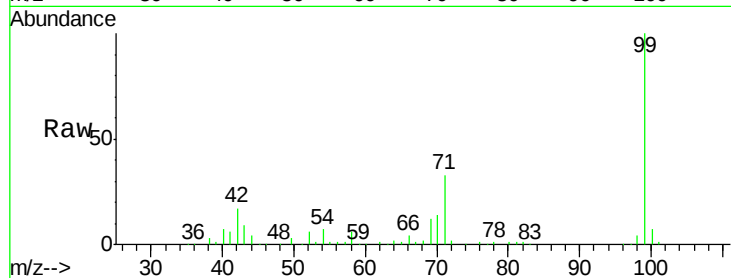
ClientSampleId :

SB-65AS

Tot Ion:	99	Resp:	296912
Ion Ratio	Lower	Upper	
99	100		
42	17.4	14.8	22.2
71	32.8	26.6	39.8

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#21

Naphthalene-d8

Concen: 20.00 ng

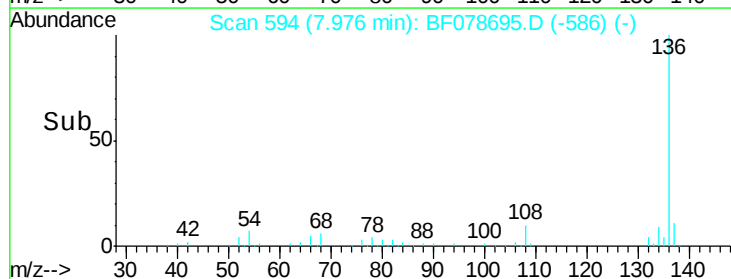
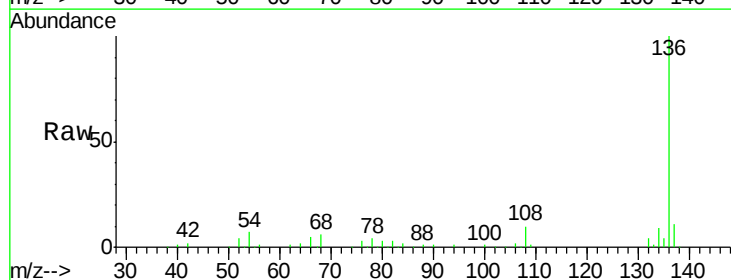
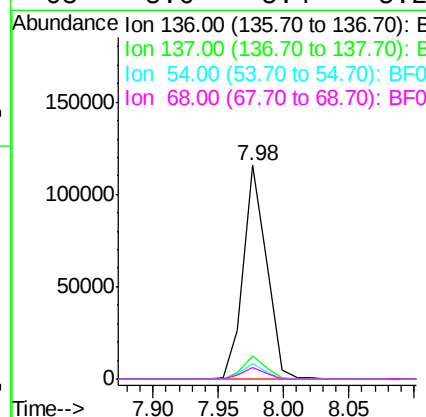
RT: 7.98 min Scan# 594

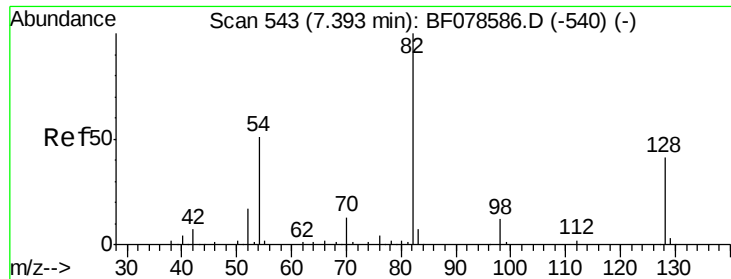
Delta R.T. -0.01 min

Lab File: BF078695.D

Acq: 21 Apr 2015 21:07

Tgt Ion:	136	Resp:	142775
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.0	13.4
54	7.3	7.0	10.6
68	5.6	5.4	8.2





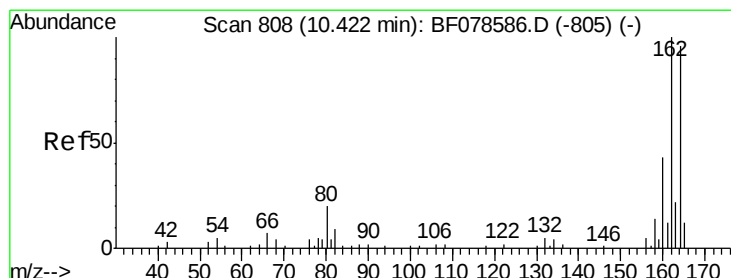
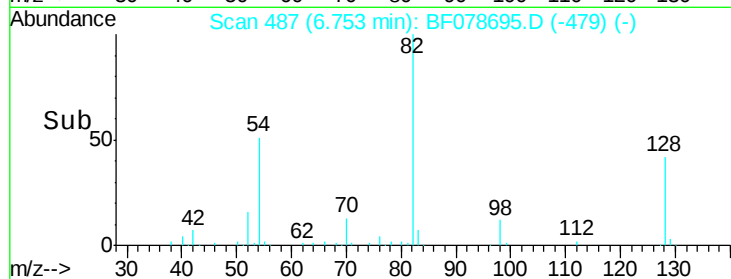
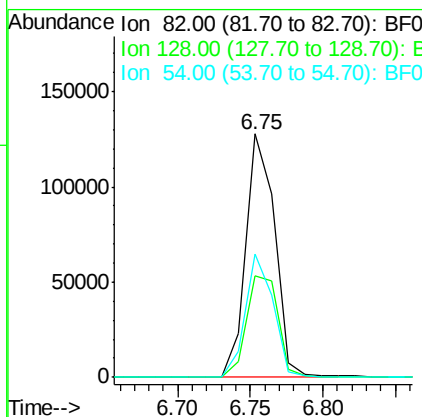
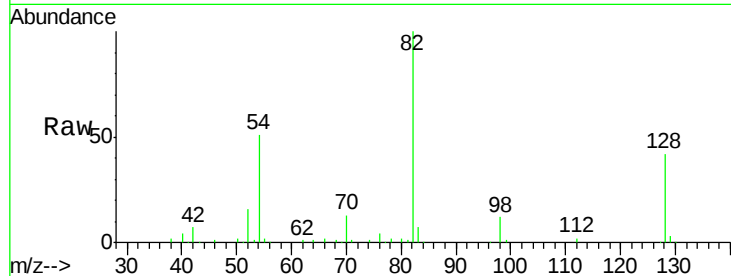
#23
 Nitrobenzene-d5
 Concen: 75.23 ng
 RT: 6.75 min Scan# 487
 Delta R.T. -0.01 min
 Lab File: BF078695.D
 Acq: 21 Apr 2015 21:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-65AS

Tot Ion	82	Resp	177210
Ion Ratio	Lower	Upper	
82	100		
128	41.6	31.8	47.8
54	50.9	41.5	62.3

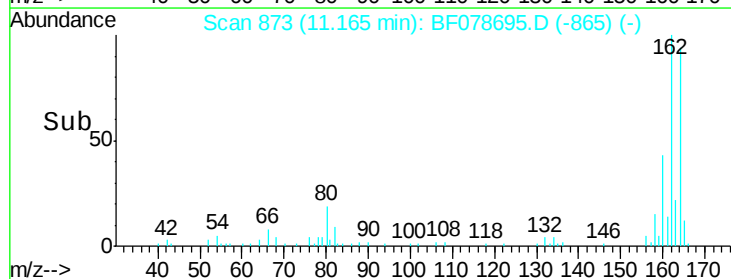
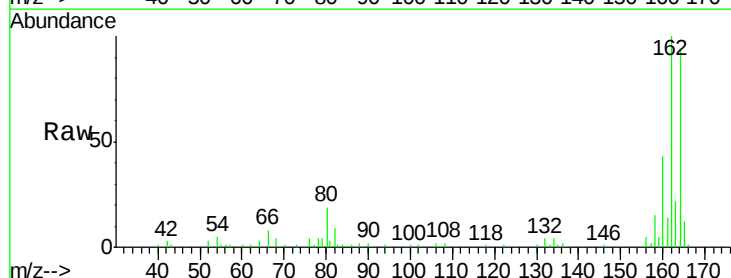
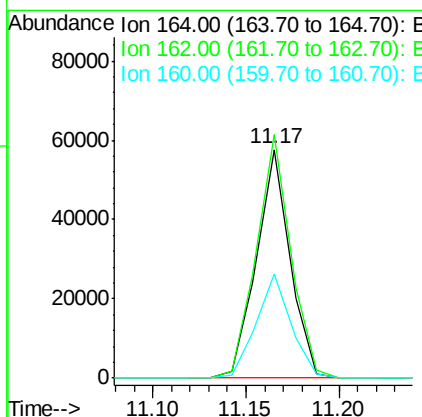
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.17 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: BF078695.D
 Acq: 21 Apr 2015 21:07

Tgt Ion	164	Resp	71876
Ion Ratio	Lower	Upper	
164	100		
162	106.6	82.2	123.2
160	45.6	34.7	52.1





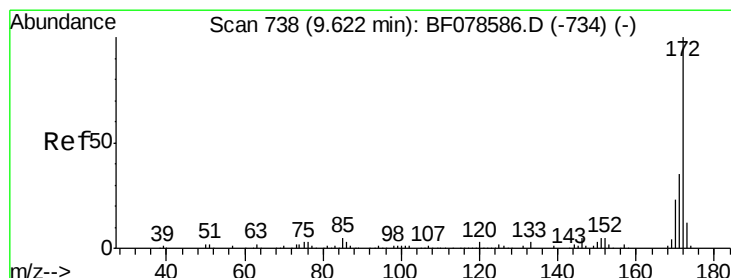
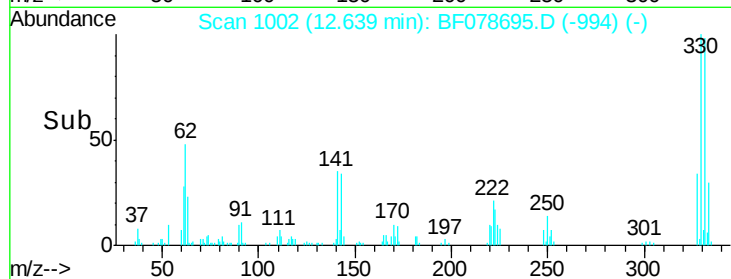
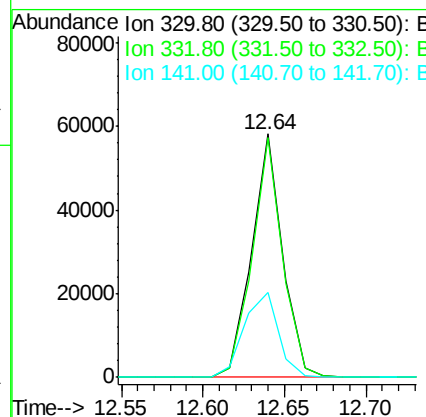
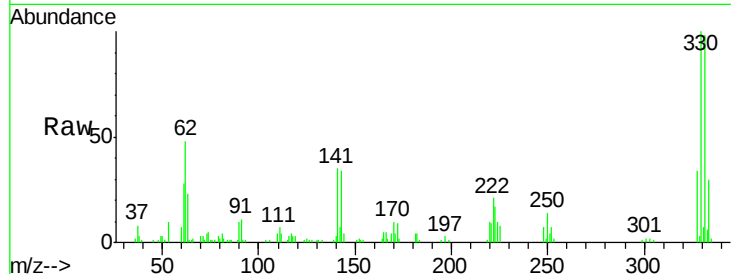
#41
 2,4,6-Tribromophenol
 Concen: 127.95 ng
 RT: 12.64 min Scan# 1002
 Delta R.T. -0.01 min
 Lab File: BF078695.D
 Acq: 21 Apr 2015 21:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-65AS

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	78.6	117.8
141	38.9	31.2	46.8

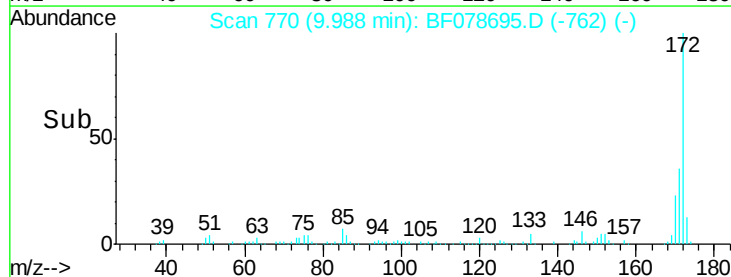
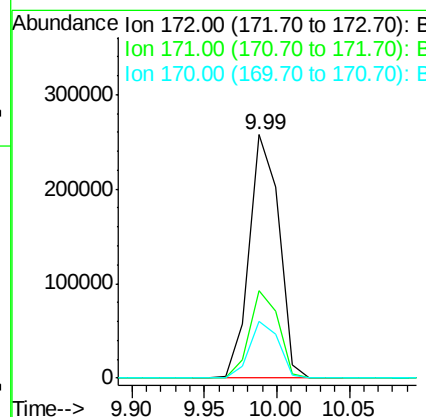
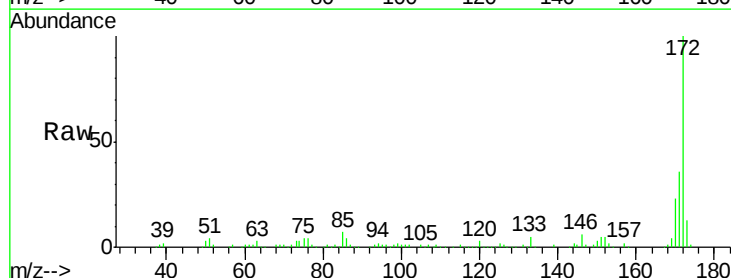
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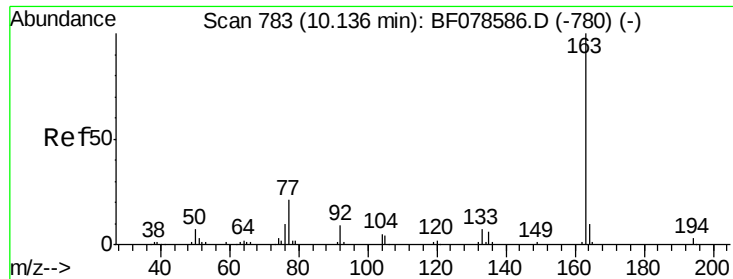
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#44
 2-Fluorobiphenyl
 Concen: 72.87 ng
 RT: 9.99 min Scan# 770
 Delta R.T. -0.01 min
 Lab File: BF078695.D
 Acq: 21 Apr 2015 21:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	42.8
170	23.4	18.5	27.7





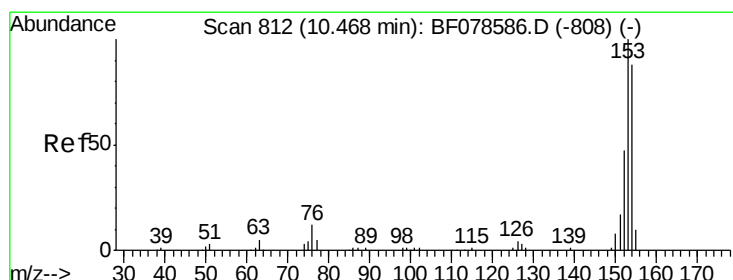
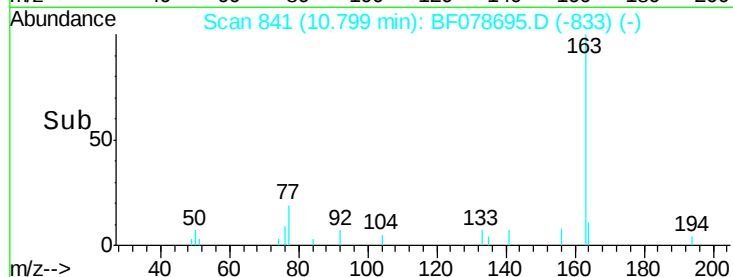
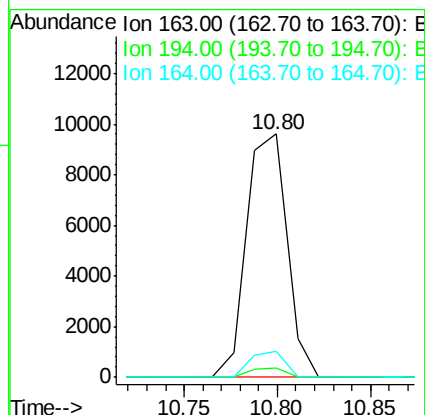
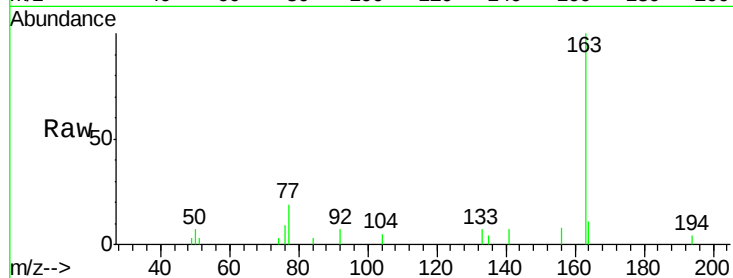
#49
Dimethylphthalate
Concen: 2.68 ng
RT: 10.80 min Scan# 841
Delta R.T. -0.01 min
Lab File: BF078695.D
Acq: 21 Apr 2015 21:07

Instrument :
BNA_F
ClientSampleId :
SB-65AS

Tot Ion	Ratio	Resp	Lower	Upper
163	100	14496		
194	4.0	2.3	3.5#	
164	10.8	8.6	13.0	

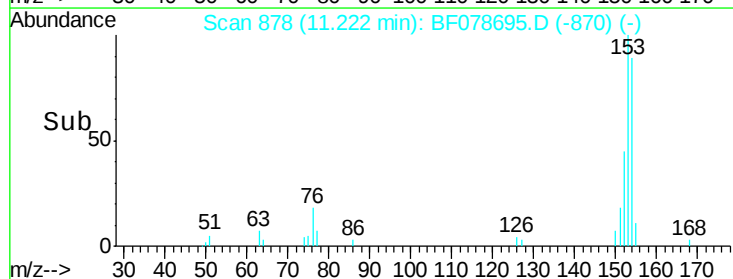
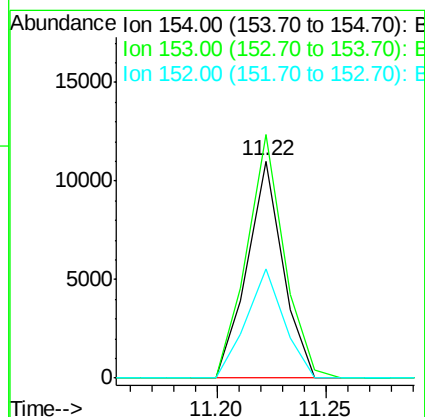
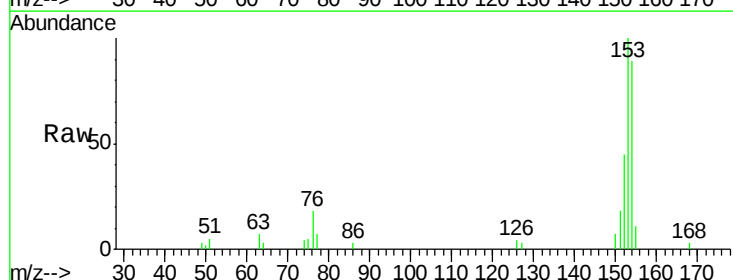
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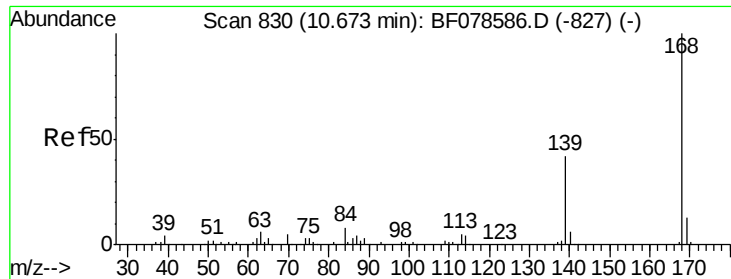
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#51
Acenaphthene
Concen: 2.99 ng
RT: 11.22 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF078695.D
Acq: 21 Apr 2015 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	12586		
153	112.3	91.4	137.2	
152	50.7	43.0	64.6	





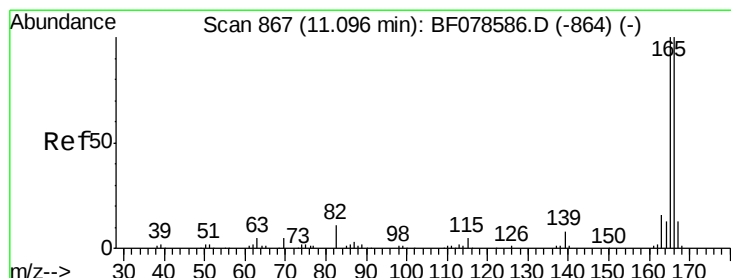
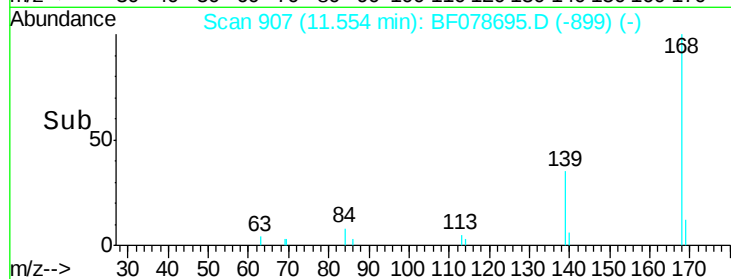
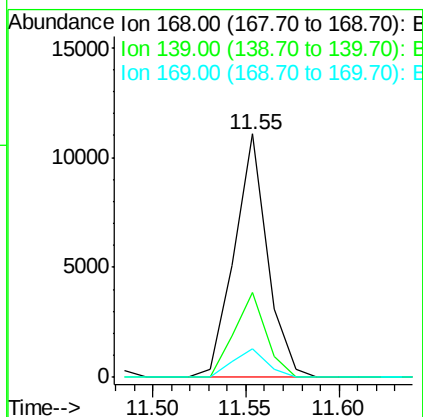
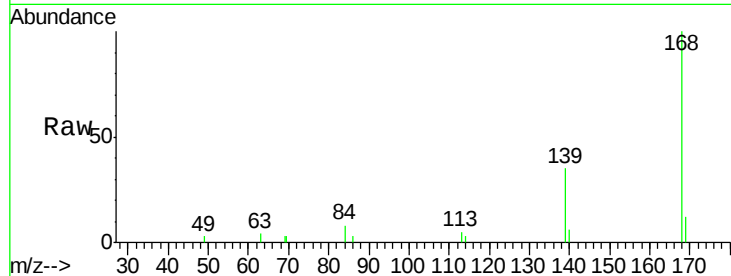
#54
Dibenzenofuran
Concen: 2.13 ng
RT: 11.55 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF078695.D
Acq: 21 Apr 2015 21:07

Instrument :
BNA_F
ClientSampleId :
SB-65AS

Tot Ion:	168	Resp:	13707
Ion Ratio	Lower	Upper	
168	100		
139	34.9	31.0	46.4
169	11.9	10.7	16.1

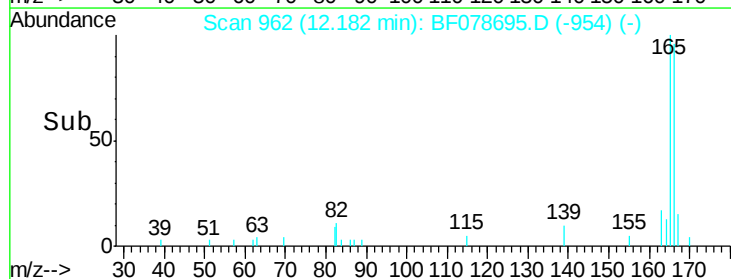
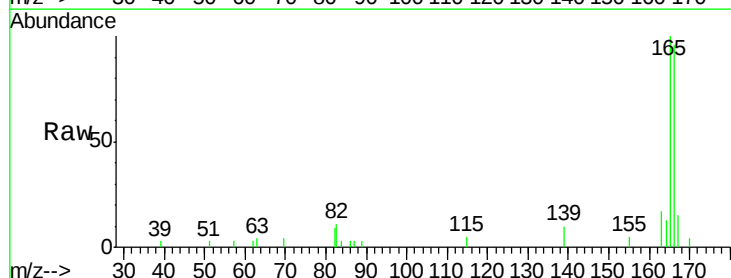
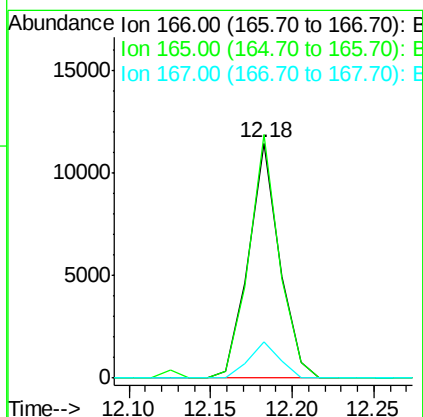
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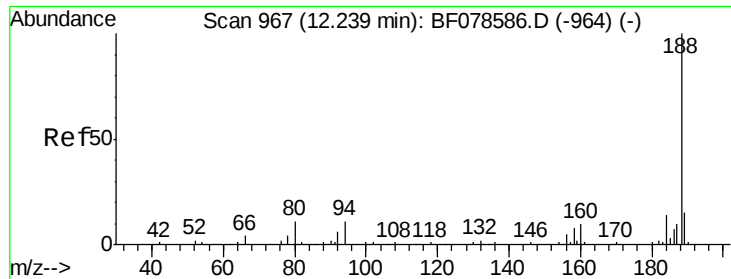
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#57
Fluorene
Concen: 2.91 ng
RT: 12.18 min Scan# 962
Delta R.T. -0.01 min
Lab File: BF078695.D
Acq: 21 Apr 2015 21:07

Tgt Ion:	166	Resp:	15169
Ion Ratio	Lower	Upper	
166	100		
165	103.7	78.9	118.3
167	15.3	10.7	16.1





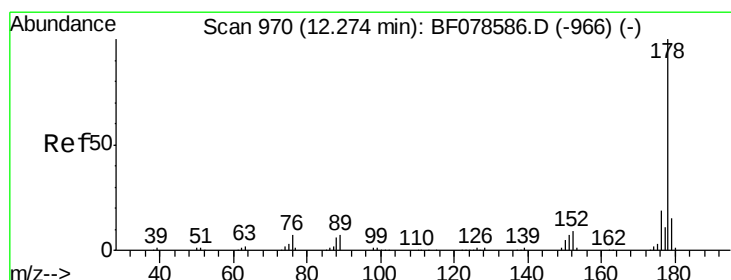
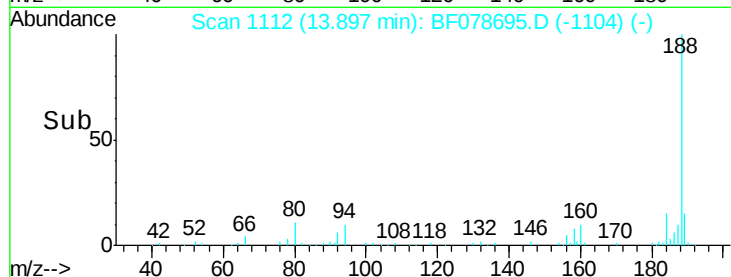
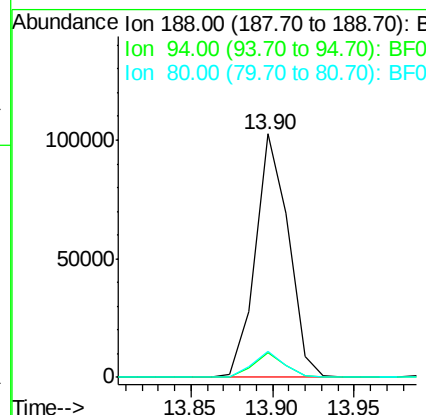
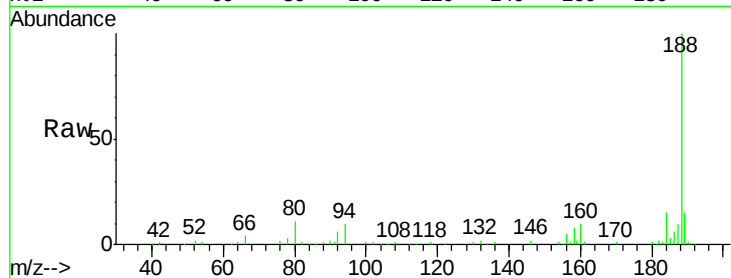
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 13.90 min Scan# 1112
 Delta R.T. -0.01 min
 Lab File: BF078695.D
 Acq: 21 Apr 2015 21:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-65AS

Tot Ion:	188	Resp:	144008
Ion Ratio	Lower	Upper	
188	100		
94	10.1	9.0	13.4
80	10.6	9.5	14.3

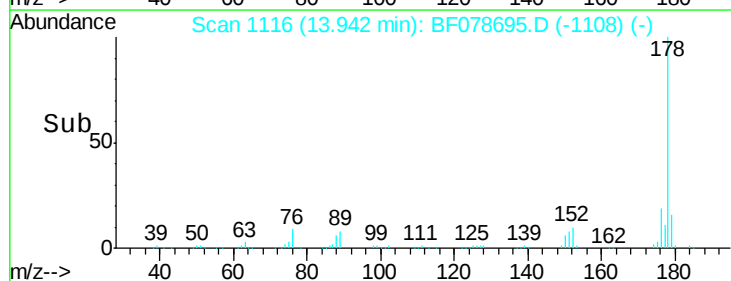
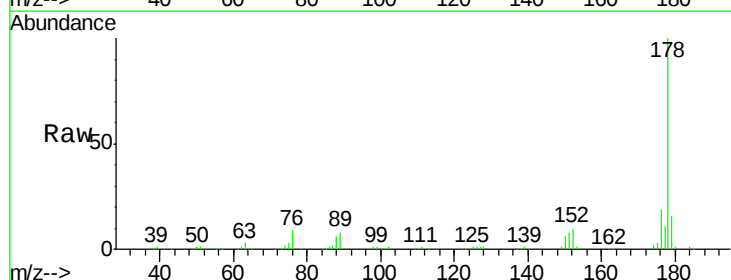
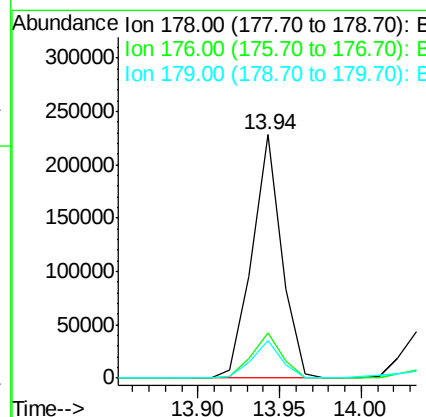
Manual Integrations
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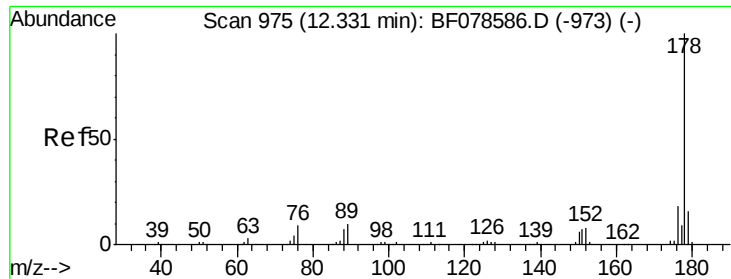
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#70
 Phenanthrene
 Concen: 34.45 ng
 RT: 13.94 min Scan# 1116
 Delta R.T. -0.01 min
 Lab File: BF078695.D
 Acq: 21 Apr 2015 21:07

Tgt Ion:	178	Resp:	287014
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.4	23.0
179	15.5	12.2	18.2





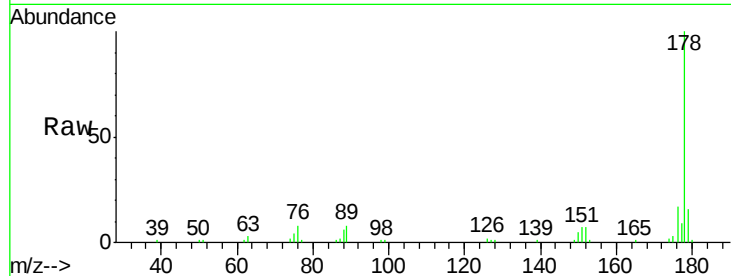
#71
 Anthracene
 Concen: 6.88 ng
 RT: 14.03 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: BF078695.D
 Acq: 21 Apr 2015 21:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-65AS

Tot Ion	Ratio	Lower	Upper
178	100		
176	16.7	14.8	22.2
179	15.8	12.4	18.6

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Abundance

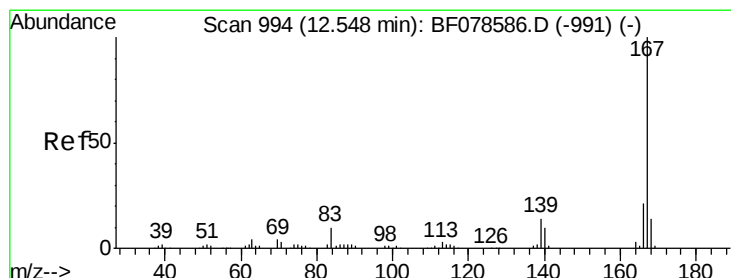
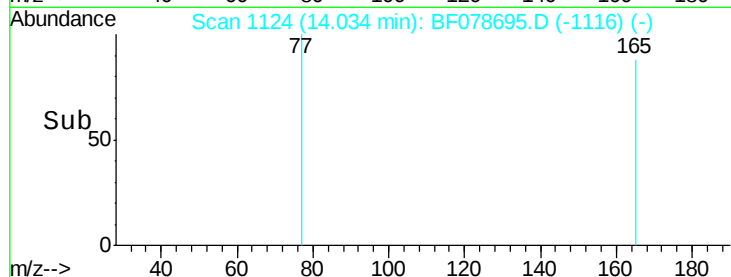
Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

14.03

Time-->



#72
 Carbazole
 Concen: 3.03 ng
 RT: 14.37 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: BF078695.D
 Acq: 21 Apr 2015 21:07

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.7	16.8	25.2
139	12.7	10.0	15.0

Abundance

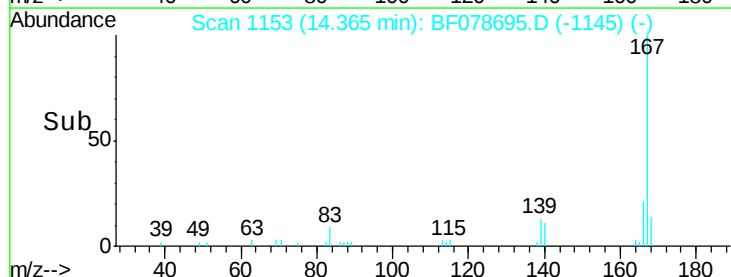
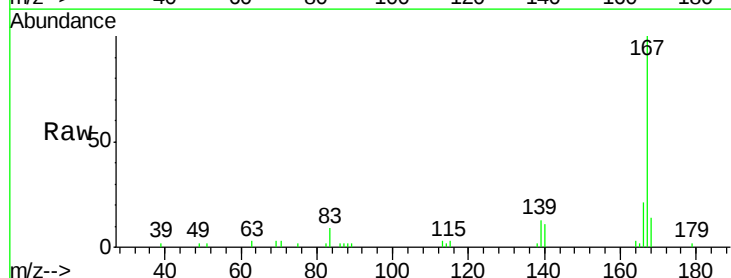
Ion 167.00 (166.70 to 167.70): E

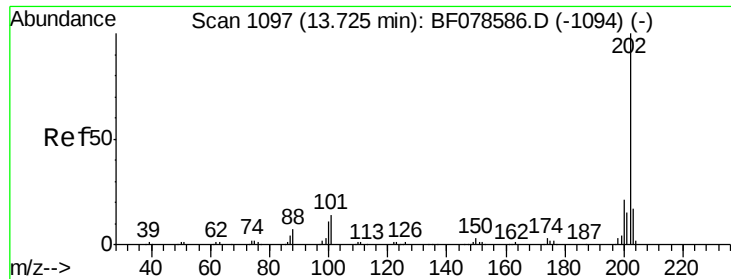
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

14.37

Time-->





#74

Fluoranthene

Concen: 38.15 ng

RT: 15.83 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF078695.D

Acq: 21 Apr 2015 21:07

Instrument :

BNA_F

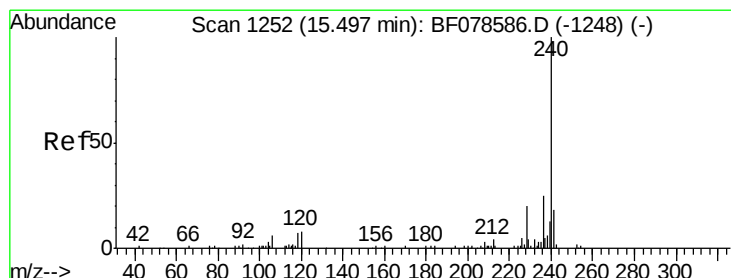
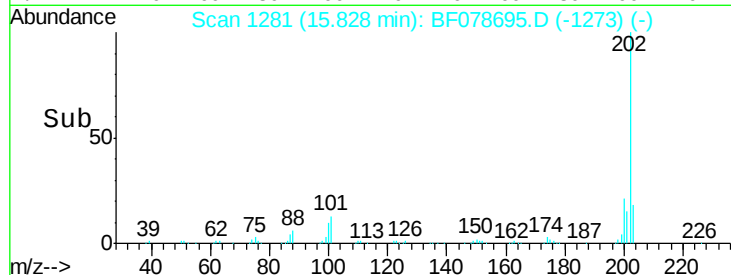
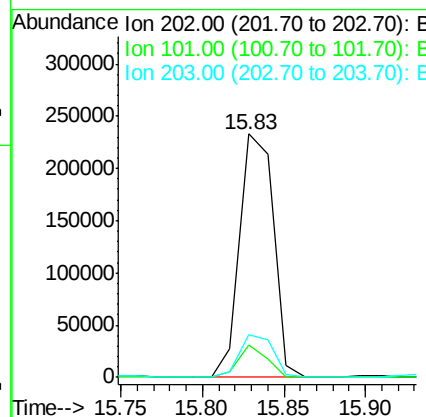
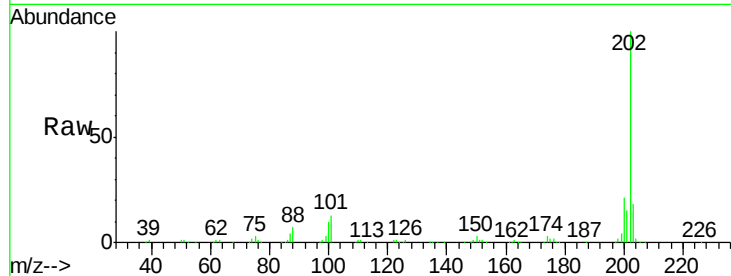
ClientSampleId :

SB-65AS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		335164		
101	13.2	0.0	35.2		
203	17.7	0.0	38.5		

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#75

Chrysene-d12

Concen: 20.00 ng

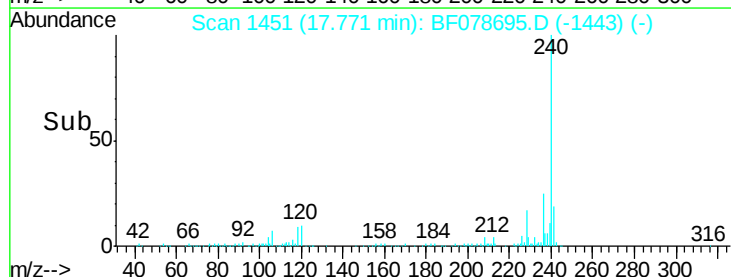
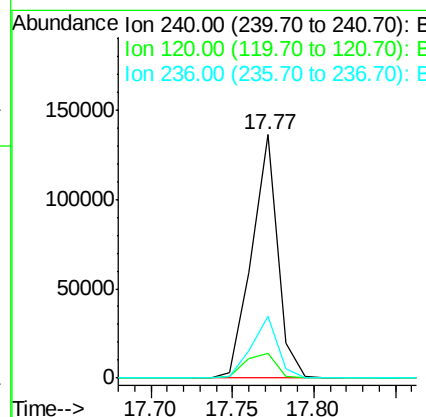
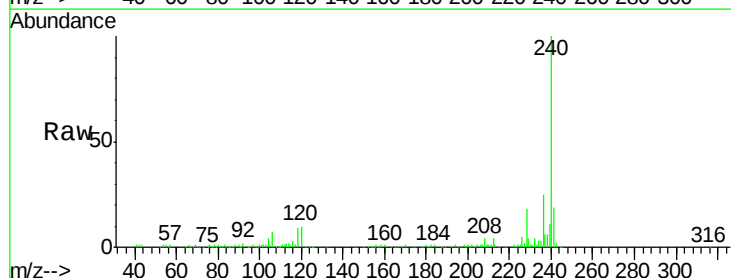
RT: 17.77 min Scan# 1451

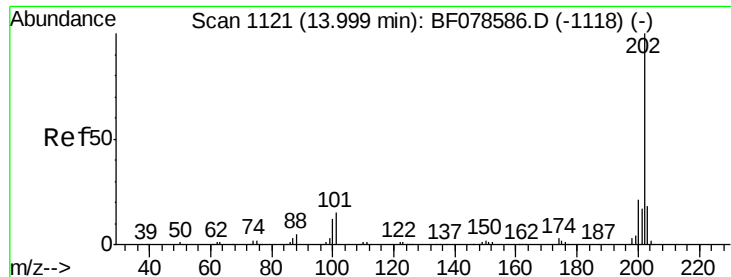
Delta R.T. -0.01 min

Lab File: BF078695.D

Acq: 21 Apr 2015 21:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		150592		
120	10.2	7.1	10.7		
236	25.3	21.4	32.2		





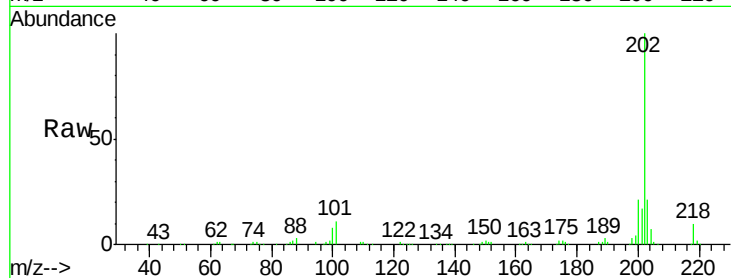
#77
Pvrene
Concen: 34.00 ng
RT: 16.15 min Scan# 1309
Delta R.T. 0.00 min
Lab File: BF078695.D
Acq: 21 Apr 2015 21:07

Instrument :
BNA_F
ClientSampleId :
SB-65AS

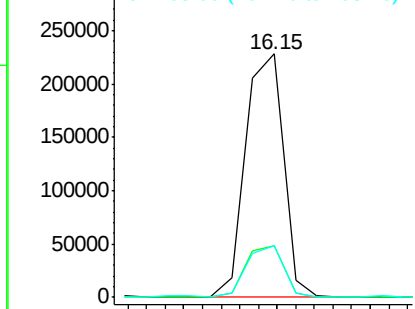
Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.2	16.3	24.5
203	21.3	13.8	20.6

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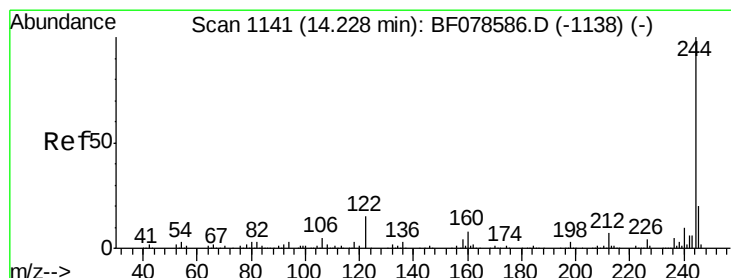
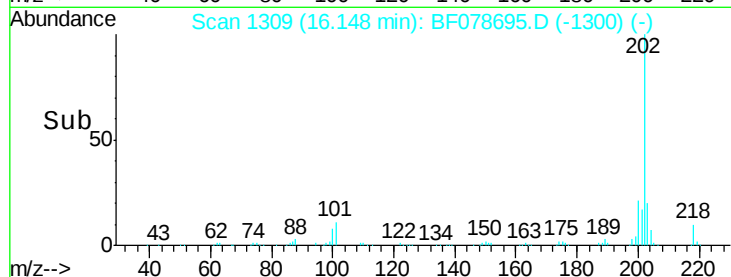
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



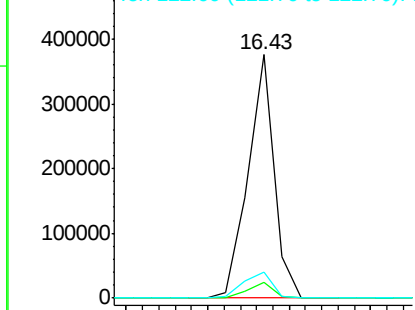
Time-->



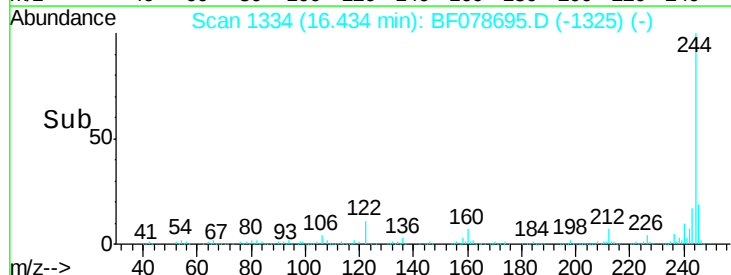
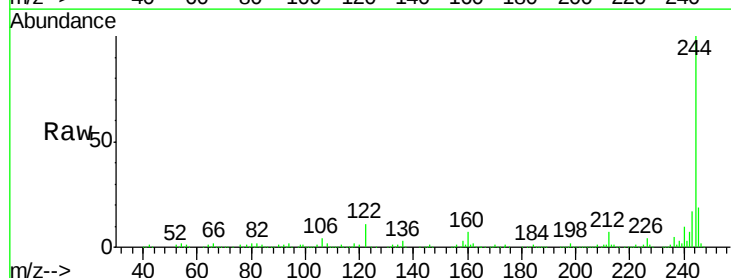
#78
Terphenyl-d14
Concen: 62.05 ng
RT: 16.43 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF078695.D
Acq: 21 Apr 2015 21:07

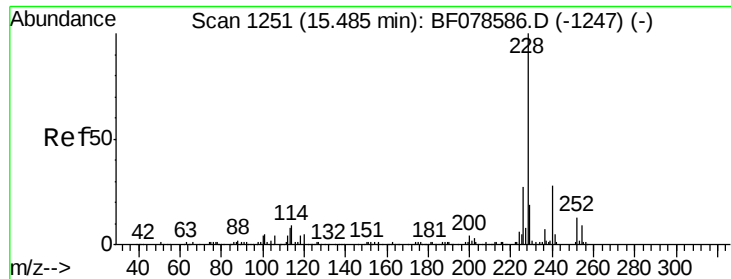
Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.7	5.0	7.4
122	10.8	7.1	10.7

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



Time-->





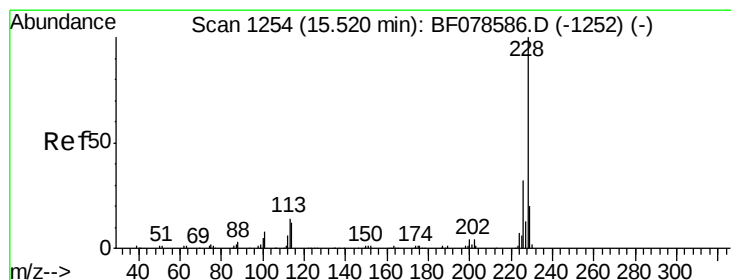
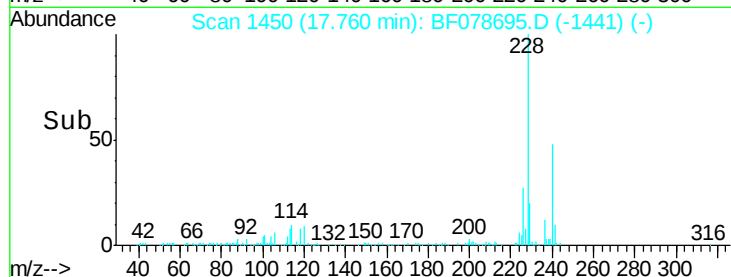
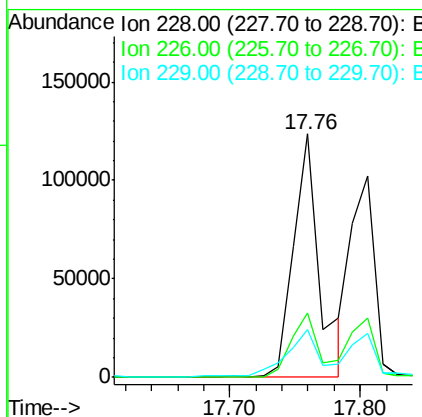
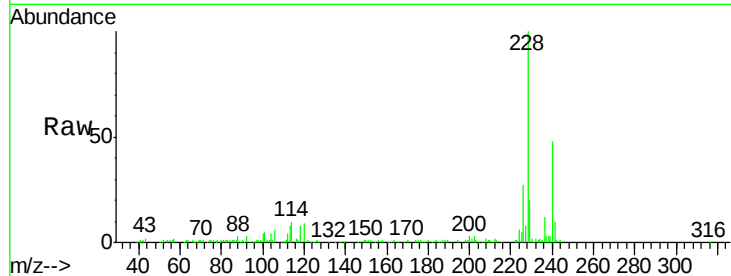
#80
Benzo(a)anthracene
Concen: 19.13 ng
RT: 17.76 min Scan# 1450
Delta R.T. 0.00 min
Lab File: BF078695.D
Acq: 21 Apr 2015 21:07

Instrument :
BNA_F
ClientSampleId :
SB-65AS

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.3	31.9
229	19.9	15.4	23.2

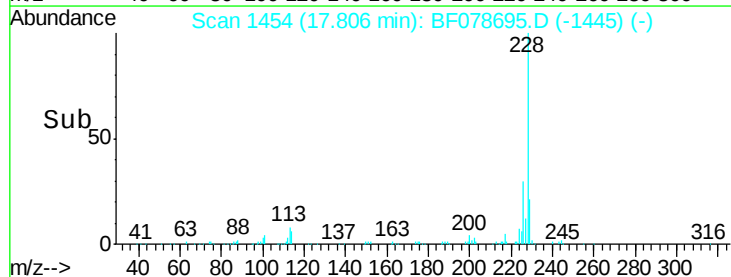
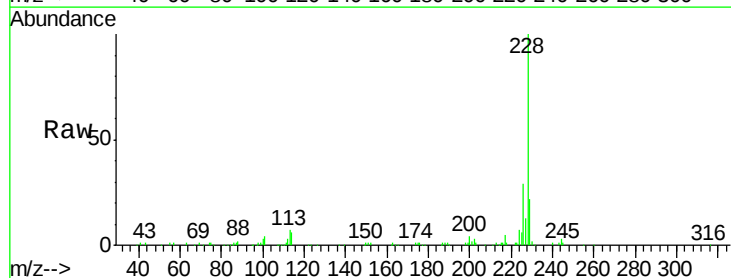
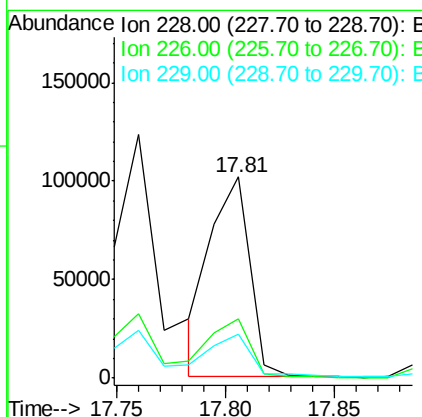
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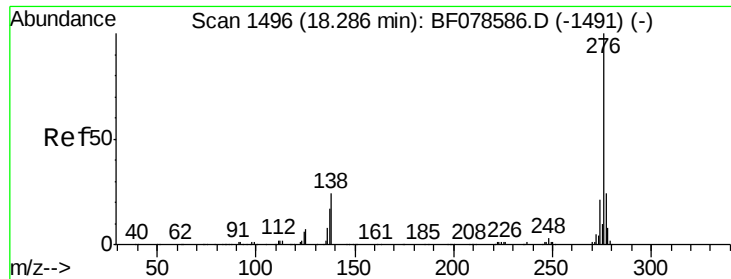
apatel
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#82
Chrysene
Concen: 15.25 ng
RT: 17.81 min Scan# 1454
Delta R.T. 0.00 min
Lab File: BF078695.D
Acq: 21 Apr 2015 21:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.2	36.4
229	21.9	15.8	23.8





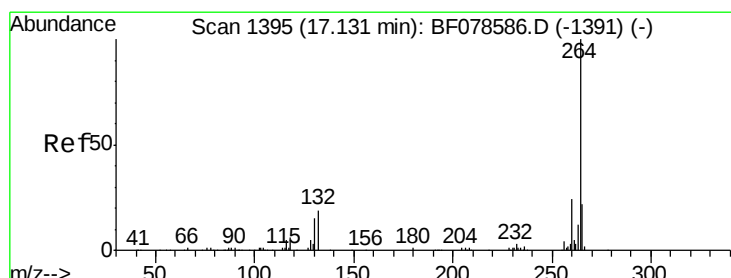
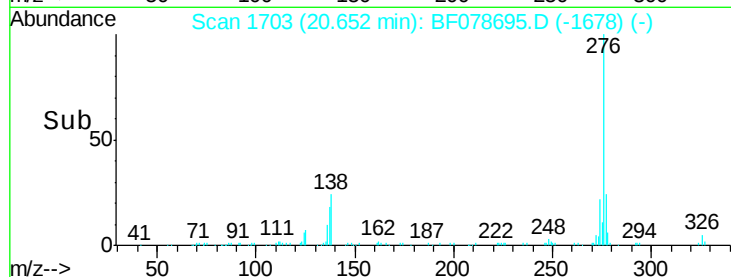
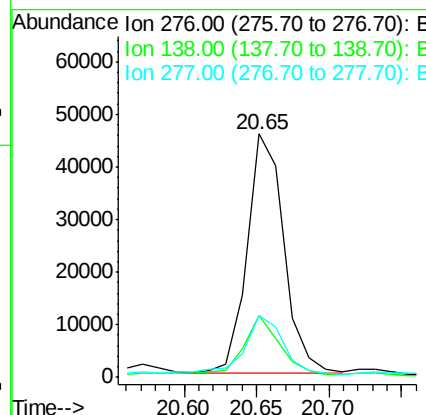
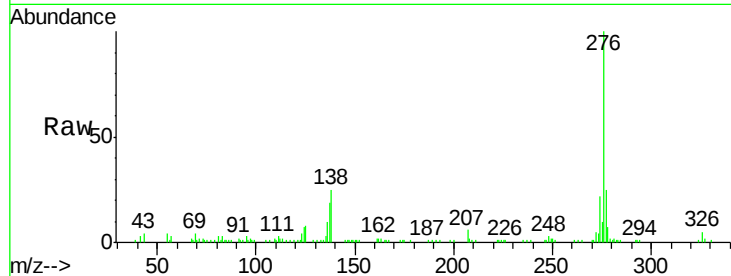
#85
Indeno(1,2,3-cd)pyrene
Concen: 8.41 ng
RT: 20.65 min Scan# 1703
Delta R.T. -0.01 min
Lab File: BF078695.D
Acq: 21 Apr 2015 21:07

Instrument :
BNA_F
ClientSampleId :
SB-65AS

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.4	16.9	25.3#
277	28.3	15.8	23.6#

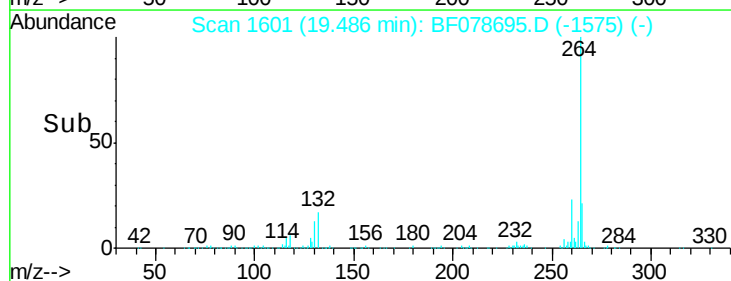
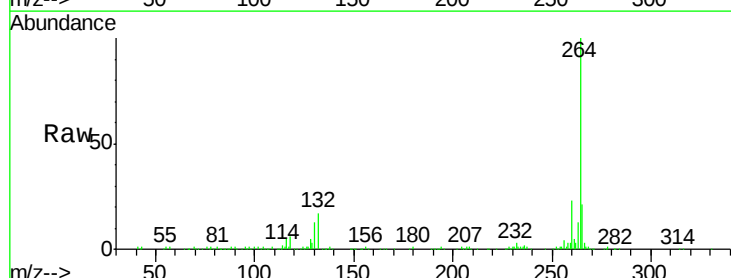
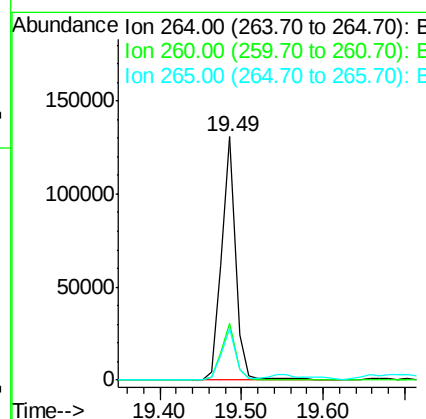
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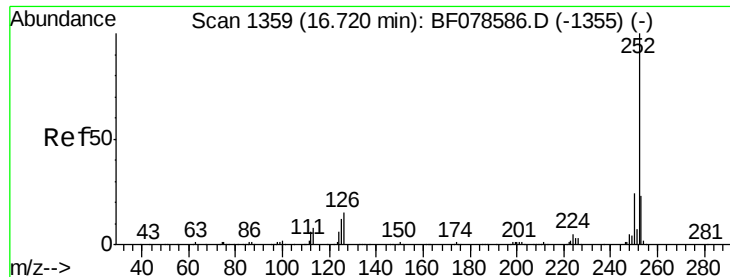
apatel
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#86
Perylene-d12
Concen: 20.00 ng
RT: 19.49 min Scan# 1601
Delta R.T. 0.00 min
Lab File: BF078695.D
Acq: 21 Apr 2015 21:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	27.8
265	21.3	17.0	25.6





#87

Benzo(b)fluoranthene

Concen: 18.03 ng m

RT: 19.05 min Scan# 1563

Delta R.T. -0.01 min

Lab File: BF078695.D

Acq: 21 Apr 2015 21:07

Instrument :

BNA_F

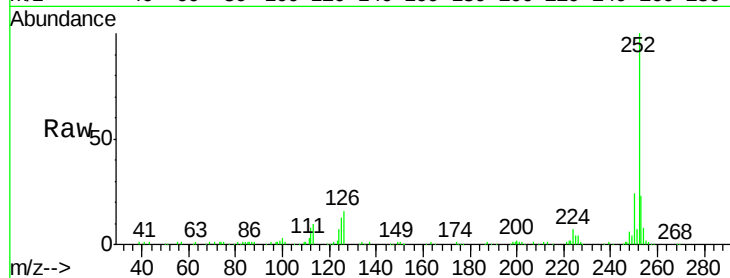
ClientSampleId :

SB-65AS

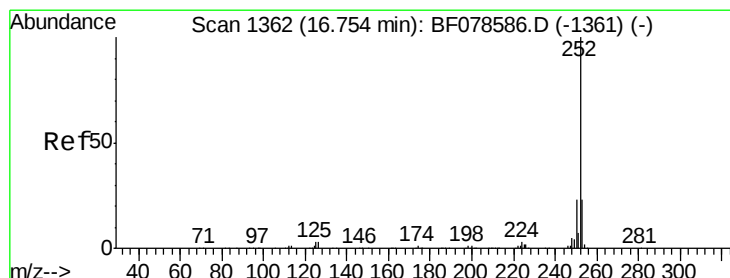
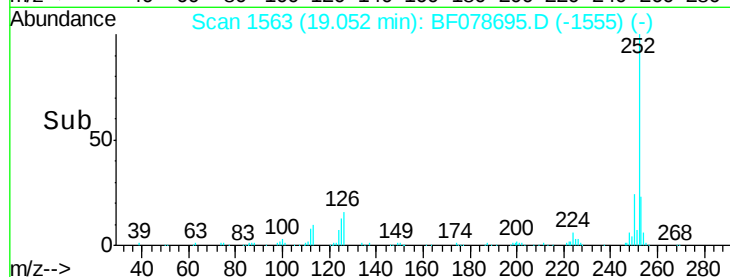
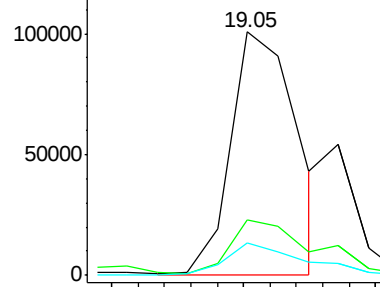
Tot Ion:	252	Resp:	175117
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.2	25.8
125	13.4	7.0	10.4#

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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: 5.42 ng m

RT: 19.09 min Scan# 1566

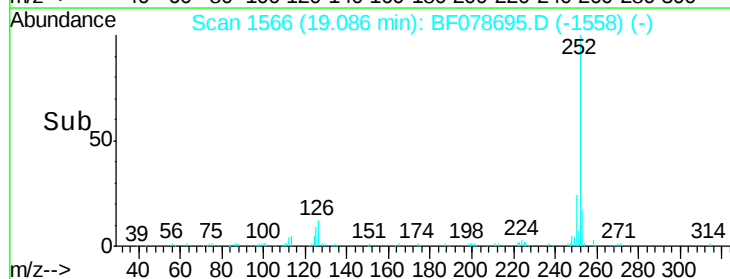
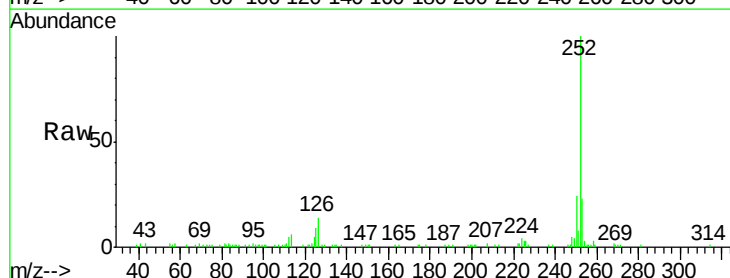
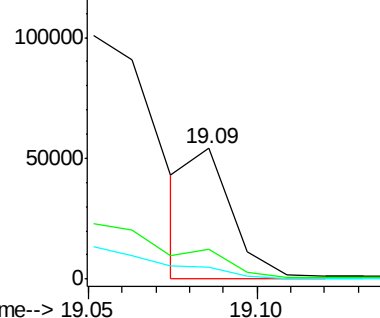
Delta R.T. -0.01 min

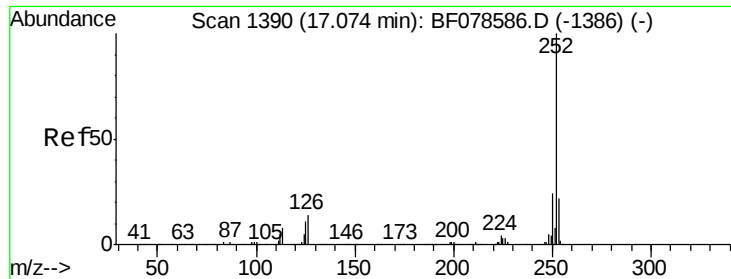
Lab File: BF078695.D

Acq: 21 Apr 2015 21:07

Tgt Ion:	252	Resp:	46767
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.5	26.3
125	9.4	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





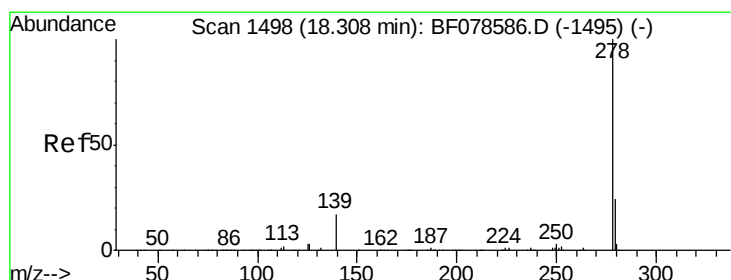
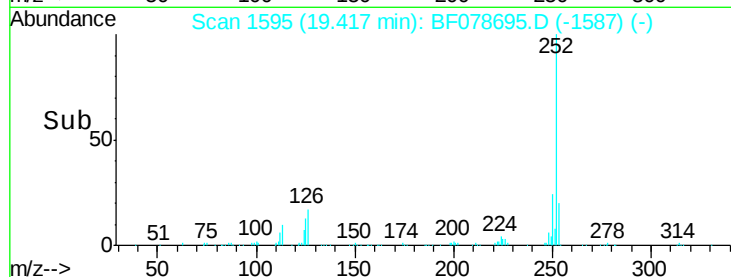
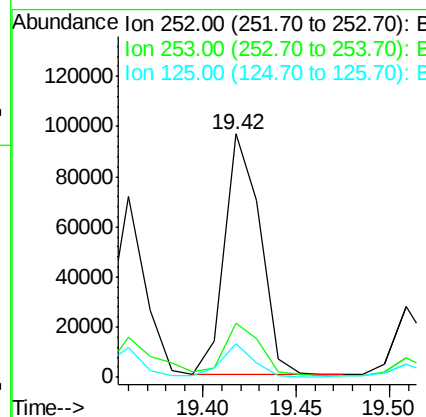
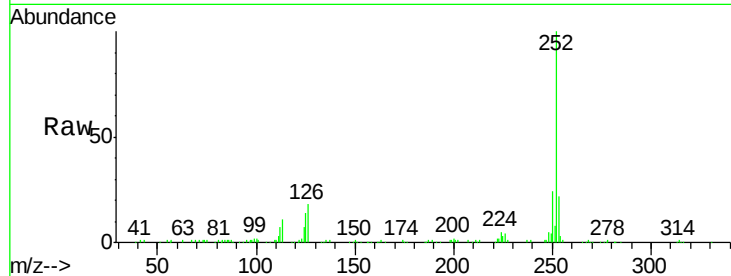
#89
Benzo(a)pyrene
Concen: 15.10 ng
RT: 19.42 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BF078695.D
Acq: 21 Apr 2015 21:07

Instrument :
BNA_F
ClientSampleId :
SB-65AS

Tot Ion	Ratio	Resp	Lower	Upper
252	100	127975		
253	22.2	16.8	25.2	
125	13.9	7.4	11.0	

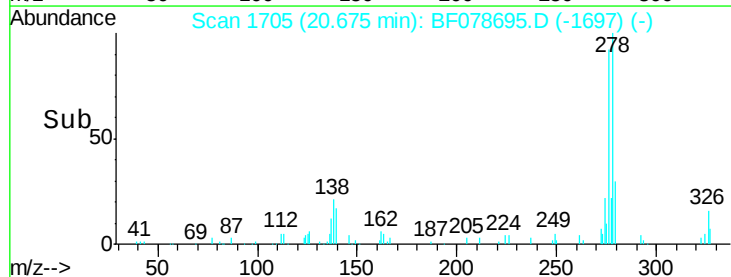
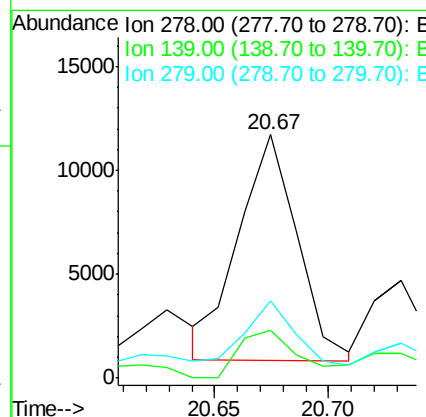
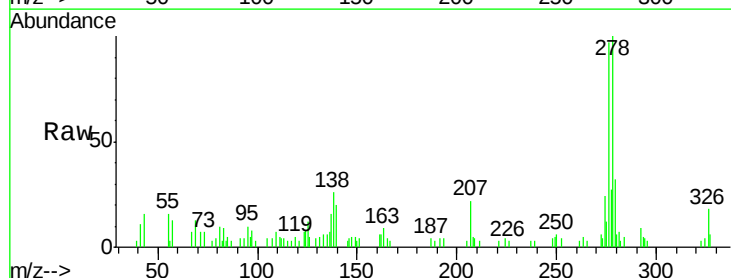
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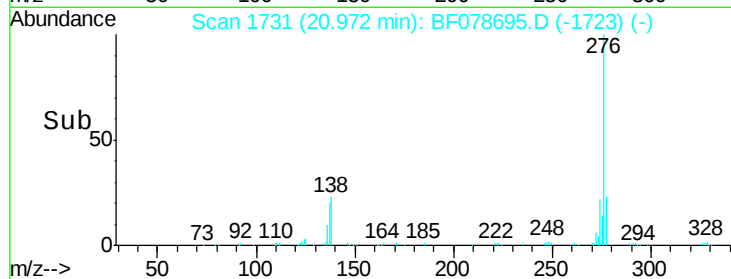
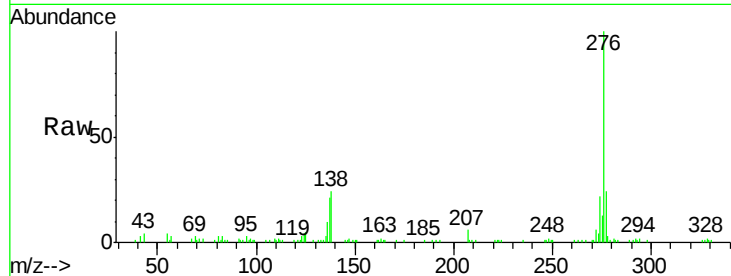
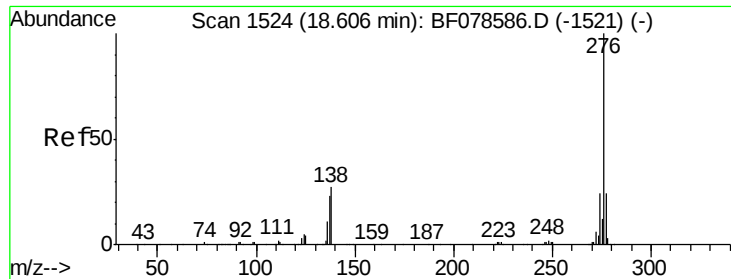
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#90
Dibenzo(a,h)anthracene
Concen: 2.30 ng m
RT: 20.67 min Scan# 1705
Delta R.T. -0.01 min
Lab File: BF078695.D
Acq: 21 Apr 2015 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	19546		
139	19.8	13.6	20.4	
279	31.7	19.0	28.6	





#91
 Benzo(a,h,i)perylene
 Concen: 9.36 ng
 RT: 20.97 min Scan# 1731
 Delta R.T. -0.01 min
 Lab File: BF078695.D
 Acq: 21 Apr 2015 21:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-65AS

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.4
138	23.6	19.9	29.9

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