

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042015\
 Data File : BF078674.D
 Acq On : 21 Apr 2015 8:30
 Operator : TP/IZ
 Sample : G1943-08 10X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-C-2

Manual Integrations
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Quant Time: Apr 21 12:48:06 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	33521	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	140236	20.00	ng	0.00
38) Acenaphthene-d10	11.20	164	69943	20.00	ng	-0.01
63) Phenanthrene-d10	13.94	188	132201	20.00	ng	0.00
75) Chrysene-d12	17.81	240	123353	20.00	ng	0.00
86) Perylene-d12	19.52	264	128831	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.87	112	14056	6.91	ng	0.00
7) Phenol-d6	5.36	99	19483	7.65	ng	0.00
23) Nitrobenzene-d5	6.80	82	11545	4.99	ng	0.00
41) 2,4,6-Tribromophenol	12.69	330	5001	8.62	ng	0.00
44) 2-Fluorobiphenyl	10.03	172	29484	6.03	ng	0.00
78) Terphenyl-d14	16.46	244	31396	5.75	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.06	128	21291	2.92	ng	99
51) Acenaphthene	11.27	154	60924	14.89	ng	98
54) Dibenzofuran	11.59	168	60735	9.72	ng	96
57) Fluorene	12.23	166	95926	18.93	ng	99
70) Phenanthrene	13.99	178	1095099	143.20	ng	98
71) Anthracene	14.08	178	328776	43.63	ng	100
72) Carbazole	14.40	167	69603	9.86	ng	99
74) Fluoranthene	15.87	202	1380020	171.12	ng	98
77) Pyrene	16.18	202	1068846	138.03	ng	# 89
80) Benzo(a)anthracene	17.79	228	549117	74.82	ng	97
82) Chrysene	17.84	228	406644	58.97	ng	97
85) Indeno(1,2,3-cd)pyrene	20.71	276	264706m	33.83	ng	
87) Benzo(b)fluoranthene	19.10	252	512530m	64.37	ng	
88) Benzo(k)fluoranthene	19.11	252	214900m	30.37	ng	
89) Benzo(a)pyrene	19.46	252	391649	56.36	ng	# 94
90) Dibenzo(a,h)anthracene	20.72	278	52067m	7.48	ng	
91) Benzo(a,h,i)perylene	21.03	276	234495	33.62	ng	98

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

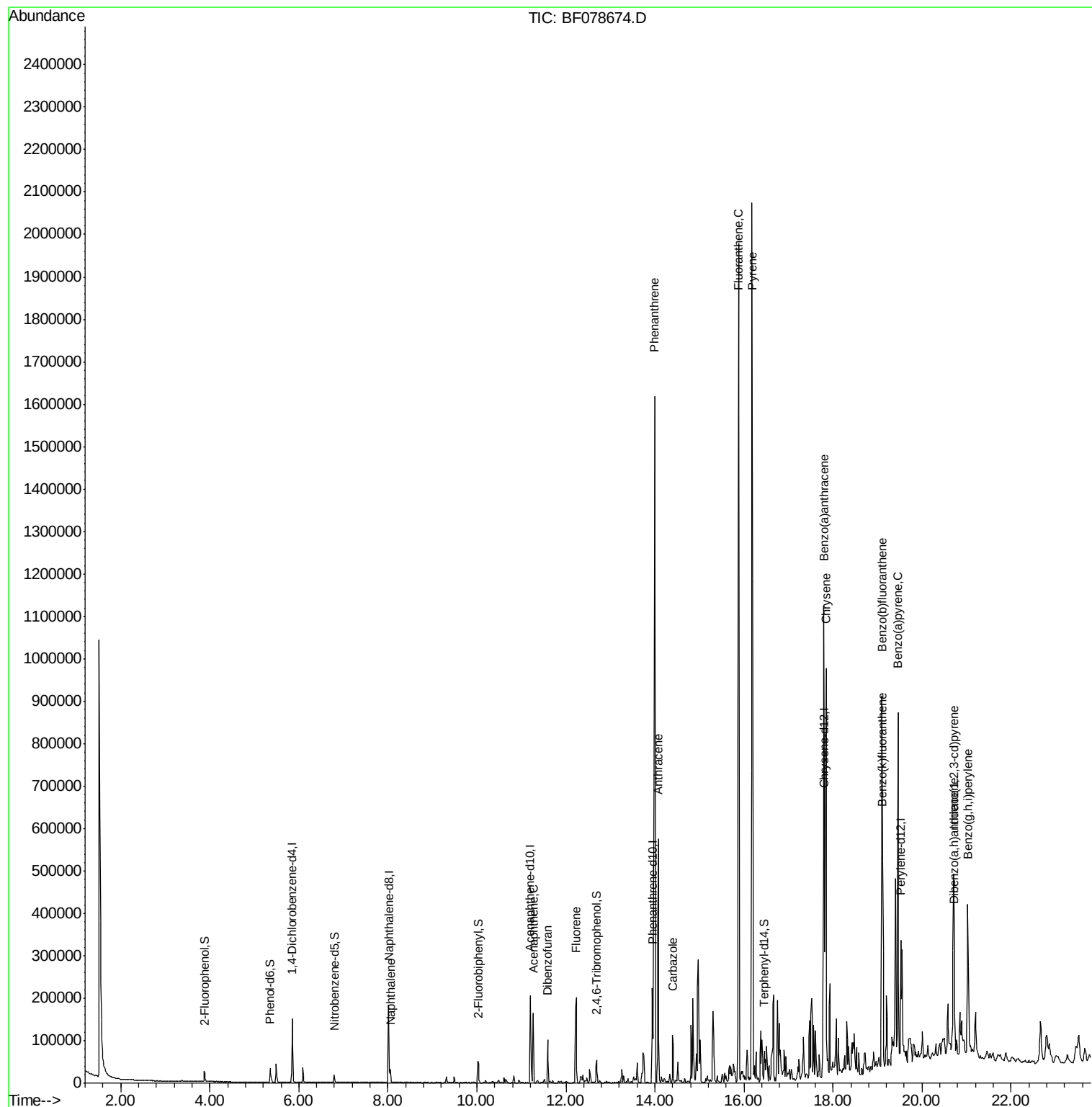
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042015\
Data File : BF078674.D
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ALS Vial : 27 Sample Multiplier: 1

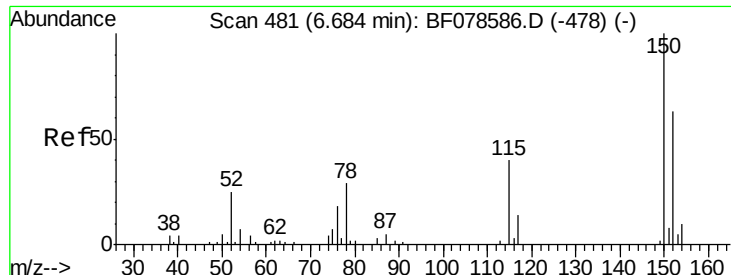
Instrument :
BNA_F
ClientSampleId :
SP-C-2

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Quant Time: Apr 21 12:48:06 2015
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#1

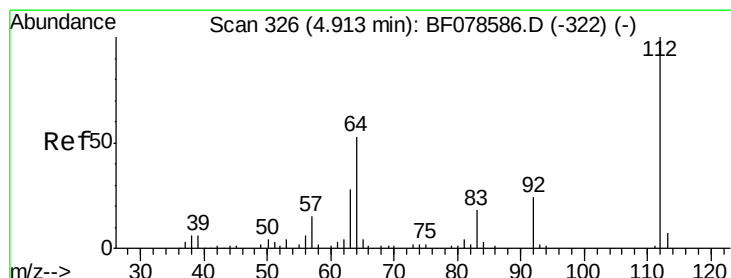
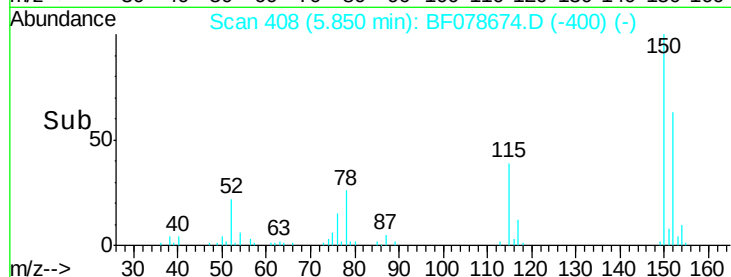
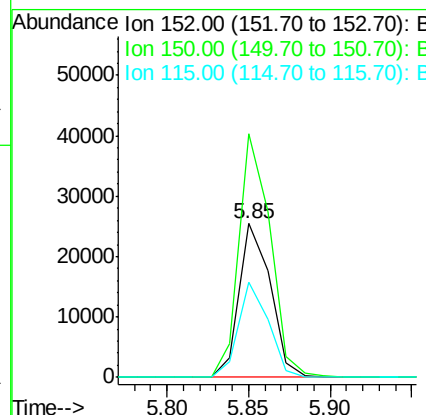
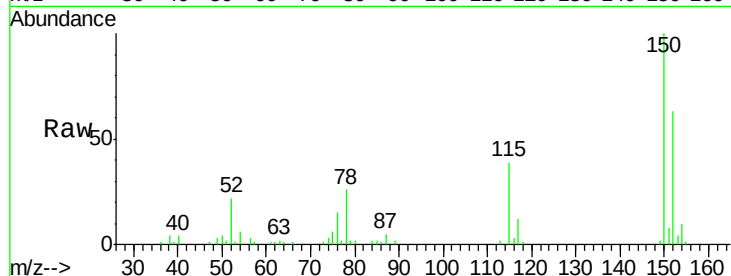
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.85 min Scan# 408
Delta R.T. -0.01 min
Lab File: BF078674.D
Acq: 21 Apr 2015 8:30

Instrument :
BNA_F
ClientSampled :
SP-C-2

Tot Ion	Ratio	Resp	Lower	Upper
152	100			
150	158.6	125.9	188.9	
115	62.0	52.7	79.1	

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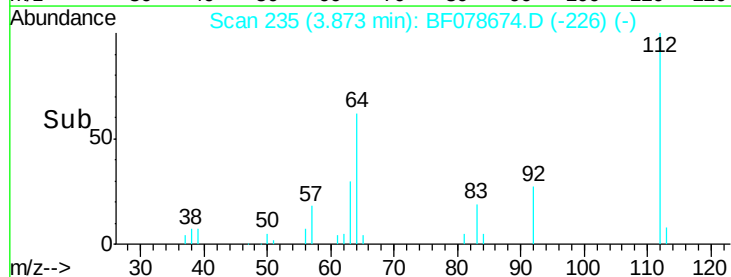
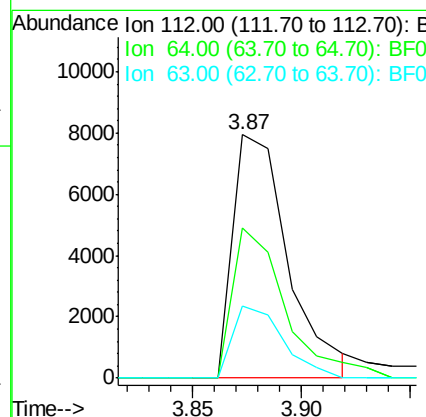
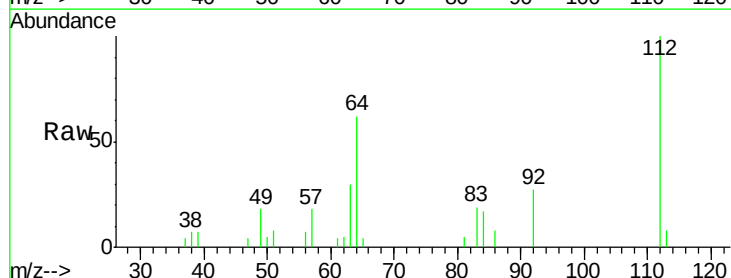
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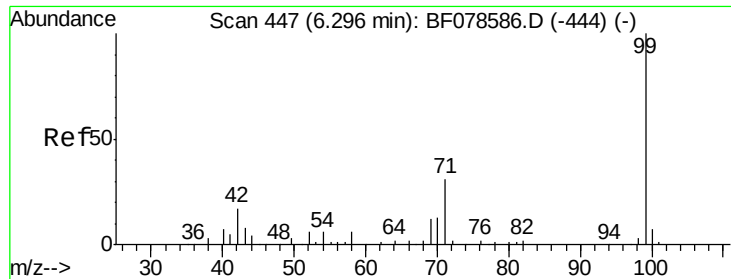


#5

2-Fluorophenol
Concen: 6.91 ng
RT: 3.87 min Scan# 235
Delta R.T. 0.00 min
Lab File: BF078674.D
Acq: 21 Apr 2015 8:30

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
64	61.8	39.9	59.9#	
63	29.7	20.2	30.4	





#7

Phenol-d6

Concen: 7.65 ng

RT: 5.36 min Scan# 365

Delta R.T. 0.00 min

Lab File: BF078674.D

Acq: 21 Apr 2015 8:30

Instrument :

BNA_F

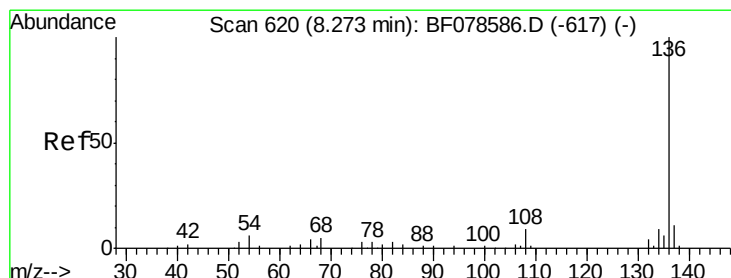
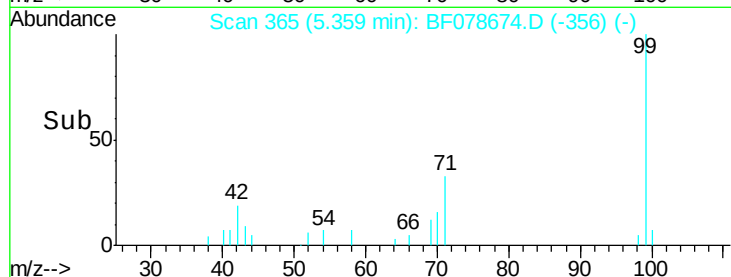
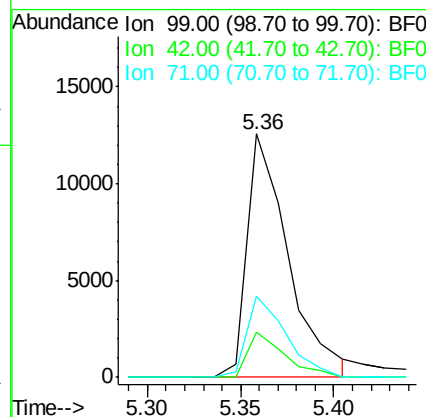
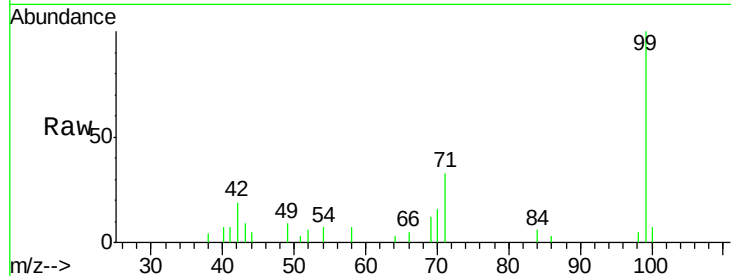
ClientSampleId :

SP-C-2

Tot Ion:	99	Resp:	19483
Ion Ratio	Lower	Upper	
99	100		
42	18.7	14.8	22.2
71	33.2	26.6	39.8

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#21

Naphthalene-d8

Concen: 20.00 ng

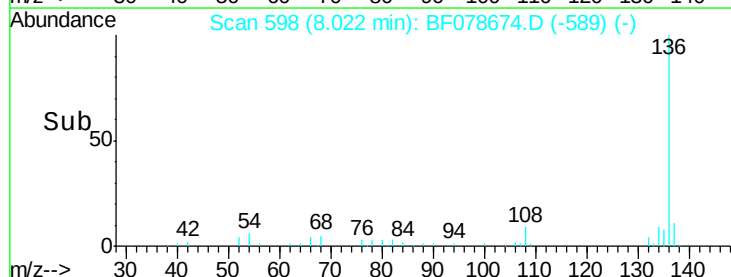
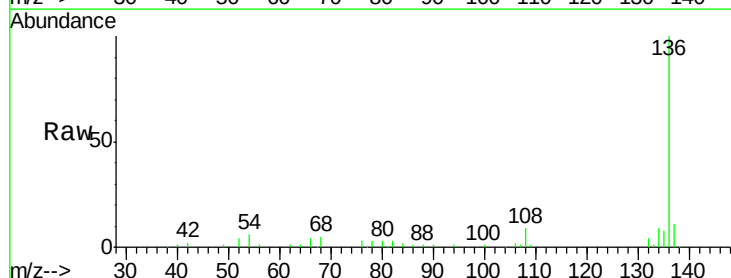
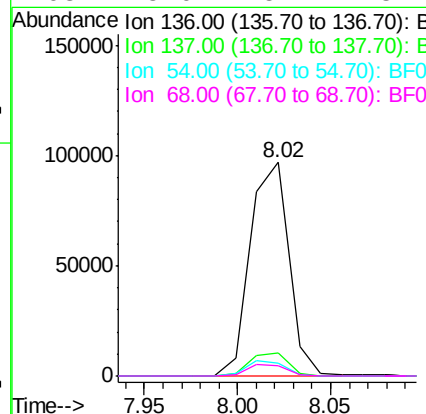
RT: 8.02 min Scan# 598

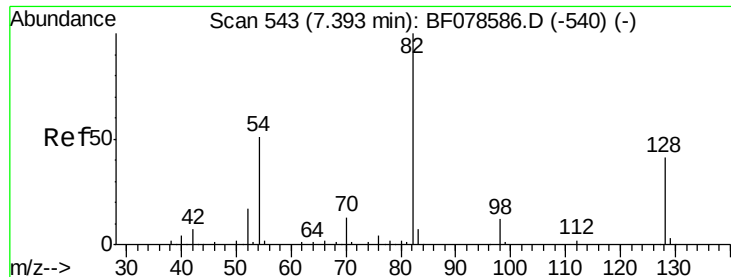
Delta R.T. 0.00 min

Lab File: BF078674.D

Acq: 21 Apr 2015 8:30

Tgt Ion:	136	Resp:	140236
Ion Ratio	Lower	Upper	
136	100		
137	10.5	9.0	13.4
54	6.2	7.0	10.6#
68	5.0	5.4	8.2#





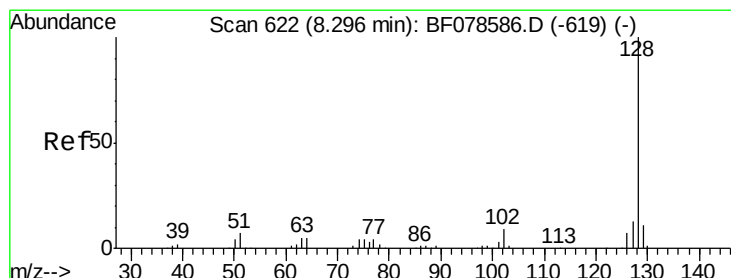
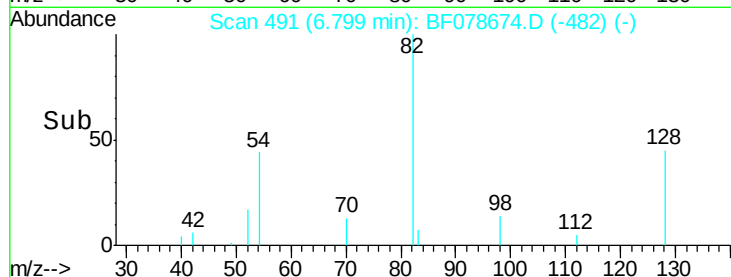
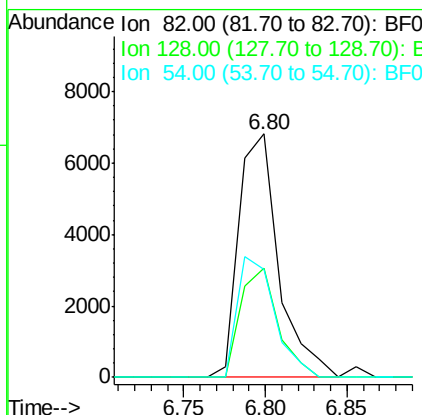
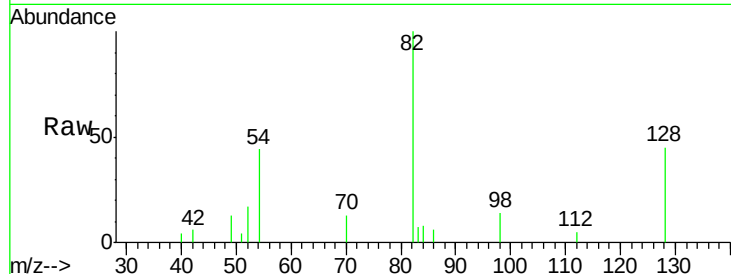
#23
 Nitrobenzene-d5
 Concen: 4.99 ng
 RT: 6.80 min Scan# 491
 Delta R.T. 0.00 min
 Lab File: BF078674.D
 Acq: 21 Apr 2015 8:30

Instrument :
 BNA_F
 ClientSampleId :
 SP-C-2

Tot Ion:	82	Resp:	11545
Ion Ratio	Lower	Upper	
82	100		
128	45.0	31.8	47.8
54	44.2	41.5	62.3

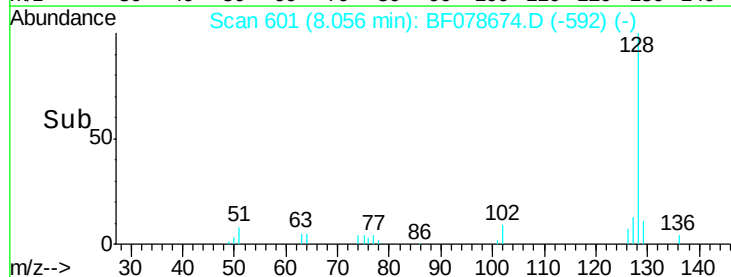
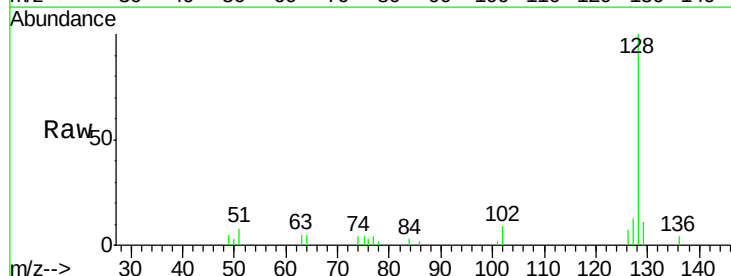
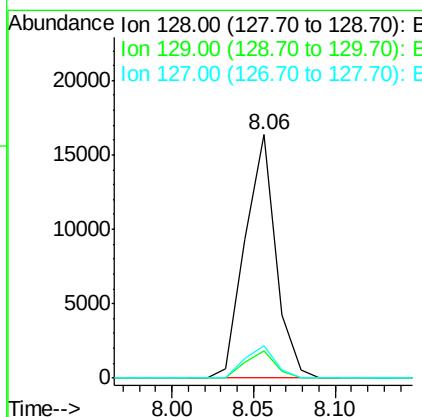
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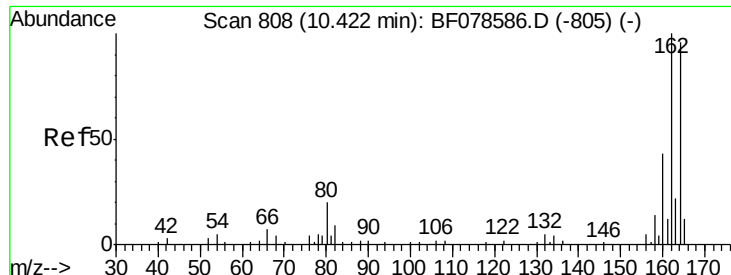
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#31
 Naphthalene
 Concen: 2.92 ng
 RT: 8.06 min Scan# 601
 Delta R.T. 0.00 min
 Lab File: BF078674.D
 Acq: 21 Apr 2015 8:30

Tgt Ion:	128	Resp:	21291
Ion Ratio	Lower	Upper	
128	100		
129	11.0	8.6	12.8
127	13.1	10.7	16.1





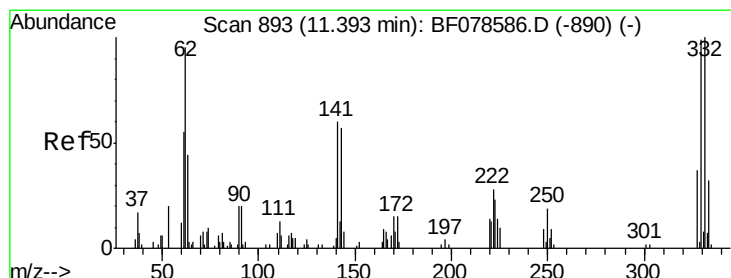
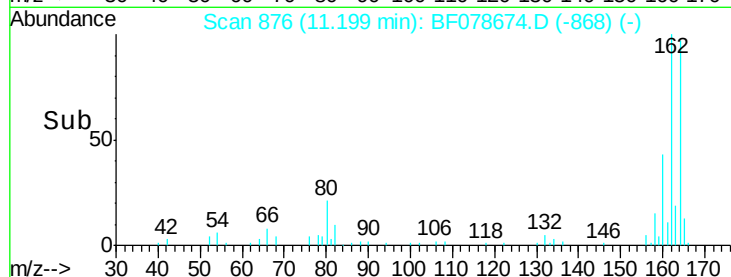
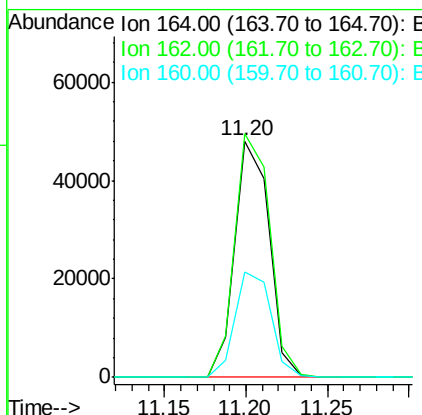
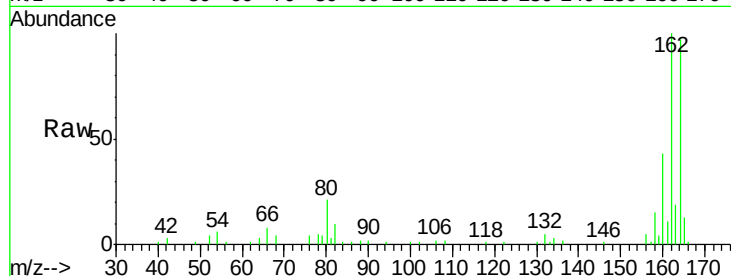
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: BF078674.D
 Acq: 21 Apr 2015 8:30

Instrument :
 BNA_F
 ClientSampleId :
 SP-C-2

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.1	82.2	123.2
160	44.7	34.7	52.1

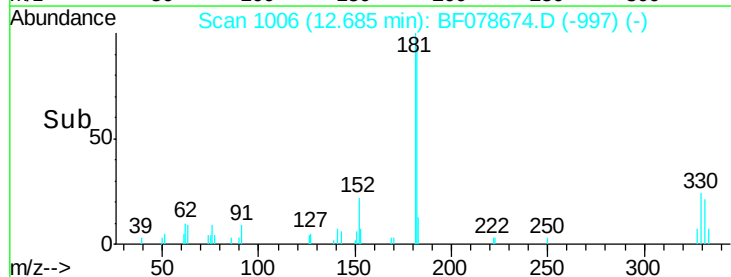
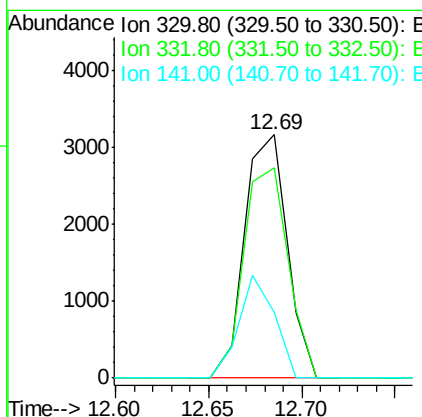
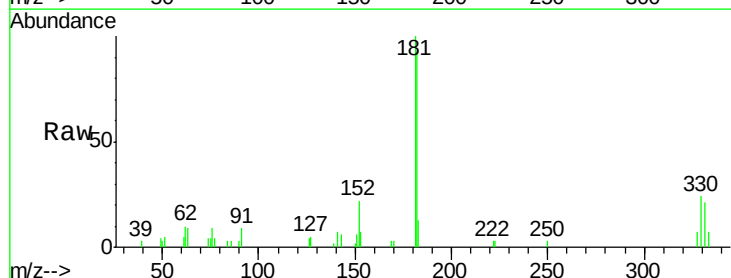
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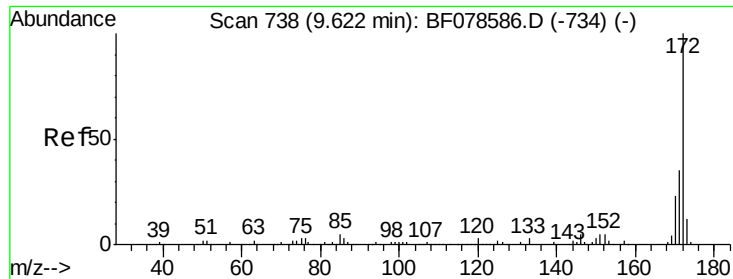
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#41
 2,4,6-Tribromophenol
 Concen: 8.62 ng
 RT: 12.69 min Scan# 1006
 Delta R.T. 0.00 min
 Lab File: BF078674.D
 Acq: 21 Apr 2015 8:30

Tgt Ion	Ratio	Lower	Upper
330	100		
332	90.5	78.6	117.8
141	35.8	31.2	46.8





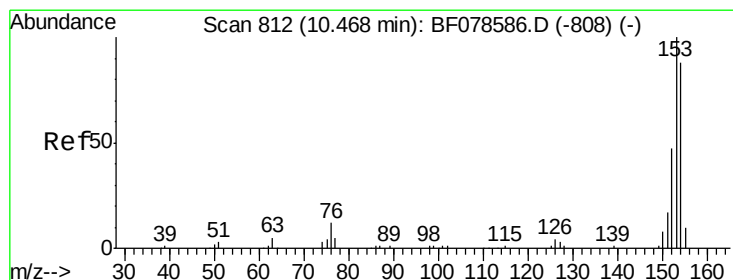
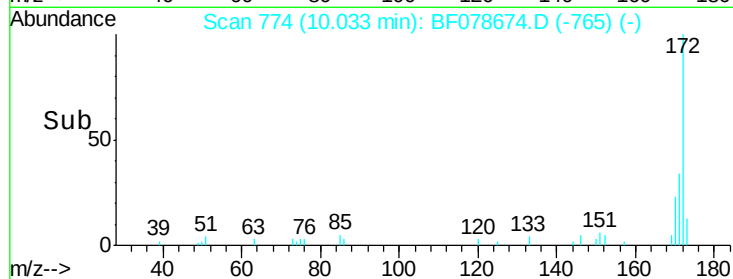
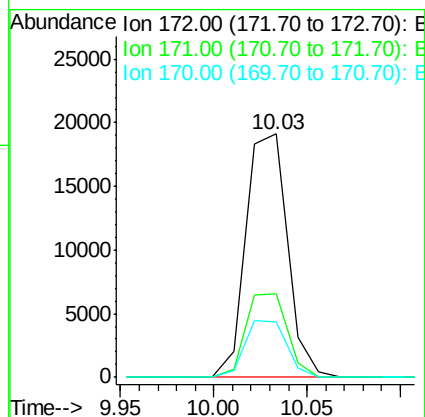
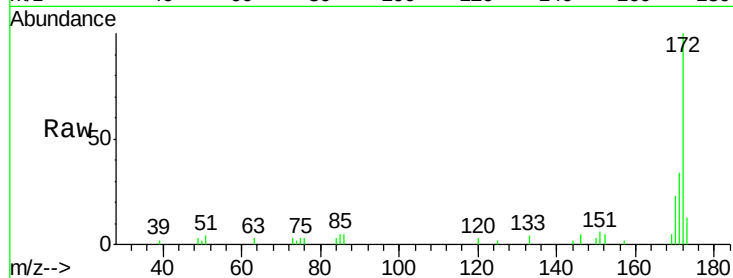
#44
2-Fluorobiphenyl
Concen: 6.03 ng
RT: 10.03 min Scan# 774
Delta R.T. 0.00 min
Lab File: BF078674.D
Acq: 21 Apr 2015 8:30

Instrument :
BNA_F
ClientSampled :
SP-C-2

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.6	42.8
170	22.6	18.5	27.7

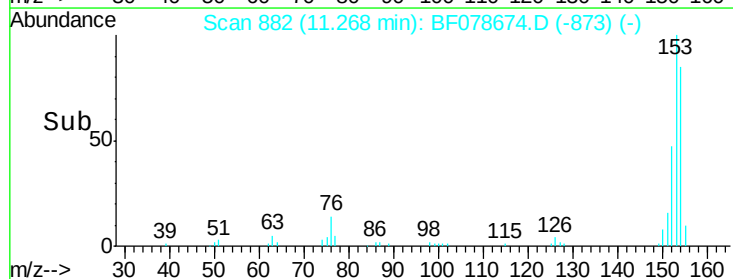
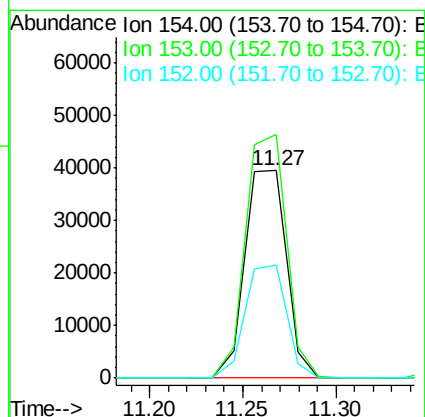
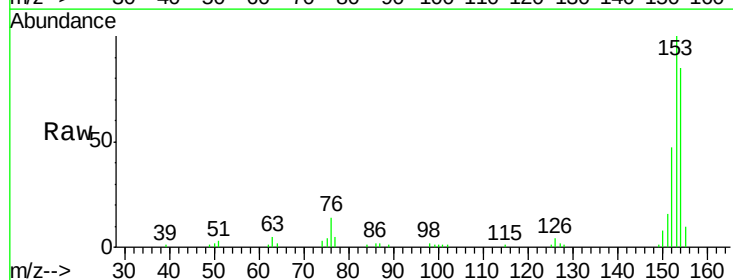
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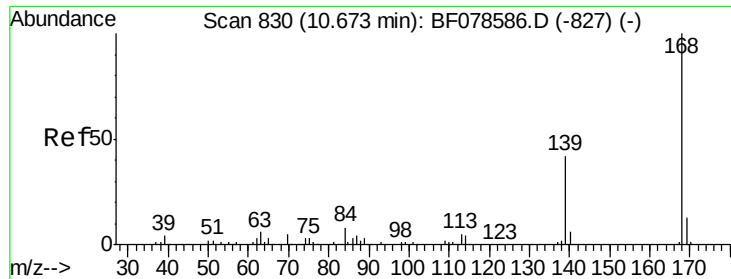
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#51
Acenaphthene
Concen: 14.89 ng
RT: 11.27 min Scan# 882
Delta R.T. 0.00 min
Lab File: BF078674.D
Acq: 21 Apr 2015 8:30

Tgt Ion	Ratio	Lower	Upper
154	100		
153	117.5	91.4	137.2
152	54.8	43.0	64.6





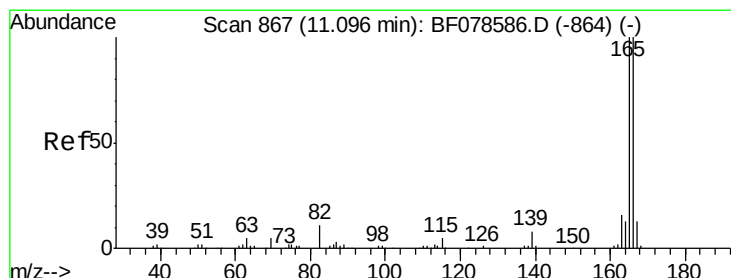
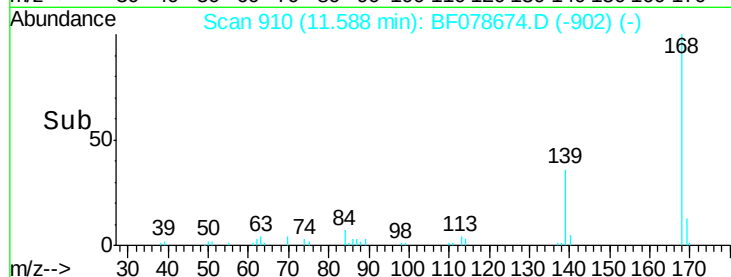
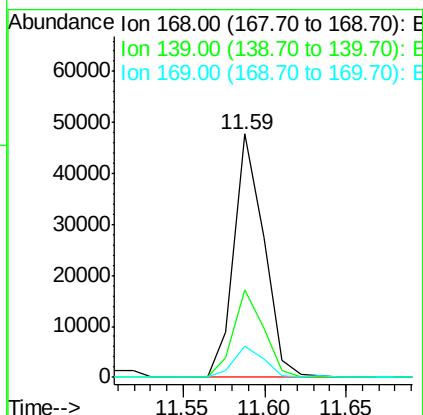
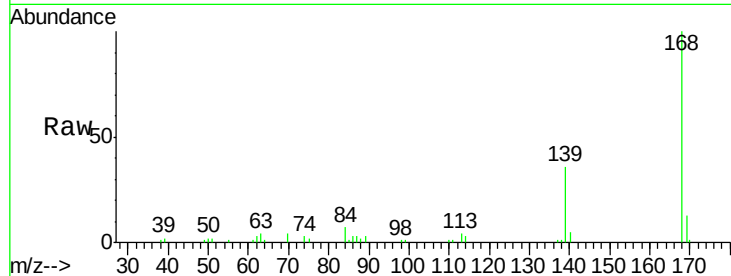
#54
Dibenzenofuran
Concen: 9.72 ng
RT: 11.59 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF078674.D
Acq: 21 Apr 2015 8:30

Instrument :
BNA_F
ClientSampleId :
SP-C-2

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.8	31.0	46.4
169	12.7	10.7	16.1

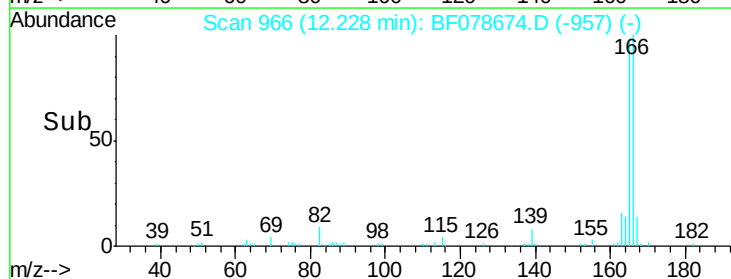
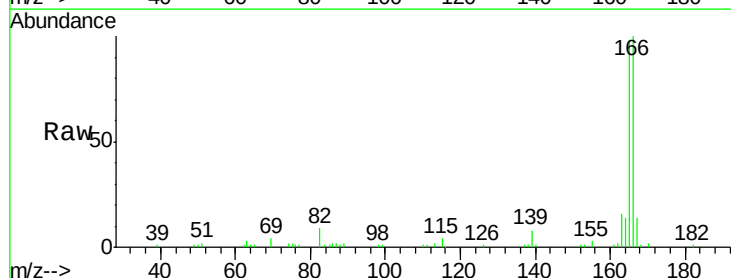
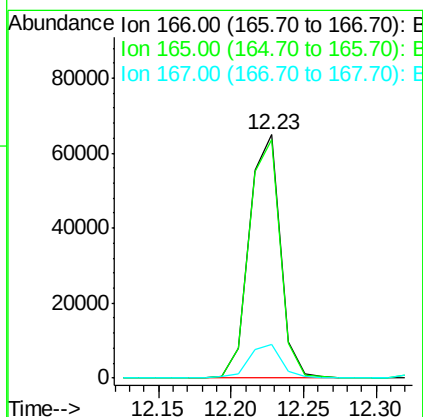
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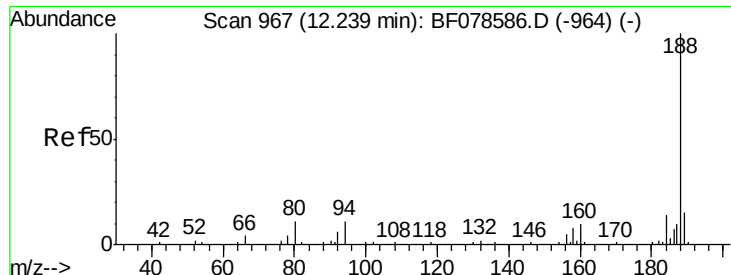
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#57
Fluorene
Concen: 18.93 ng
RT: 12.23 min Scan# 966
Delta R.T. 0.00 min
Lab File: BF078674.D
Acq: 21 Apr 2015 8:30

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.9	118.3
167	13.9	10.7	16.1





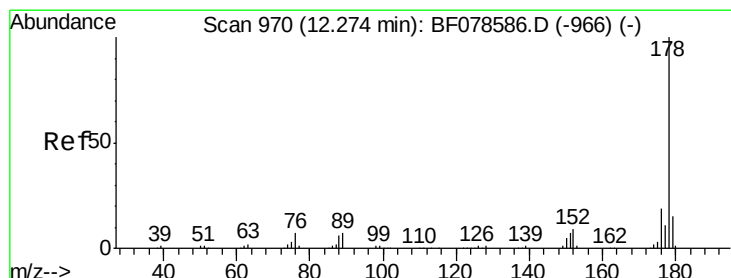
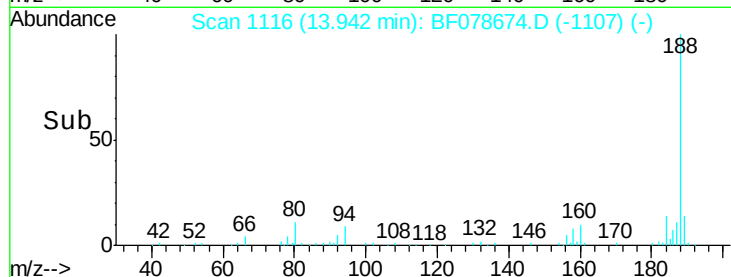
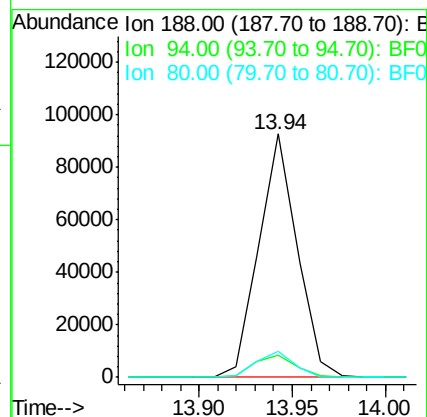
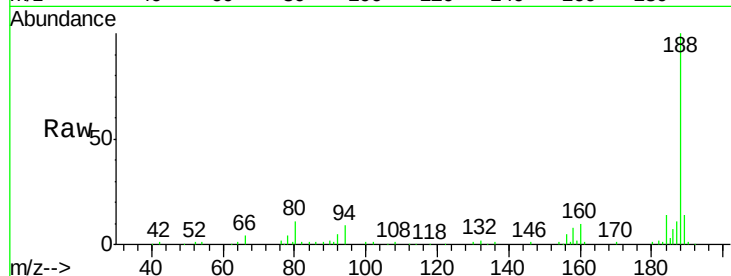
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 13.94 min Scan# 1116
 Delta R.T. 0.00 min
 Lab File: BF078674.D
 Acq: 21 Apr 2015 8:30

Instrument :
 BNA_F
 ClientSampleId :
 SP-C-2

Tot Ion:188	Resp: 132201
Ion Ratio Lower Upper	
188 100	
94 9.3	9.0 13.4
80 10.6	9.5 14.3

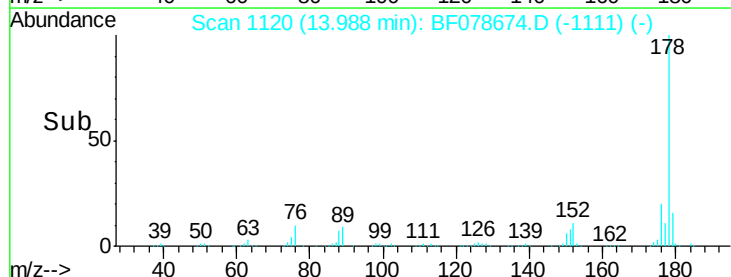
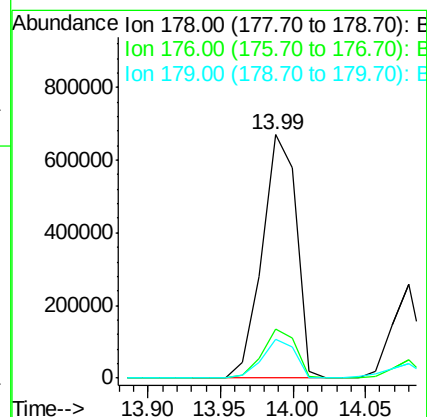
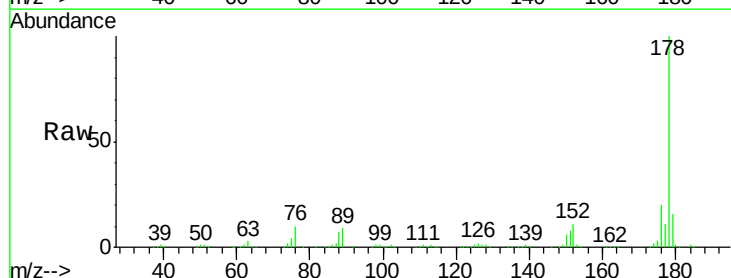
Manual Integrations
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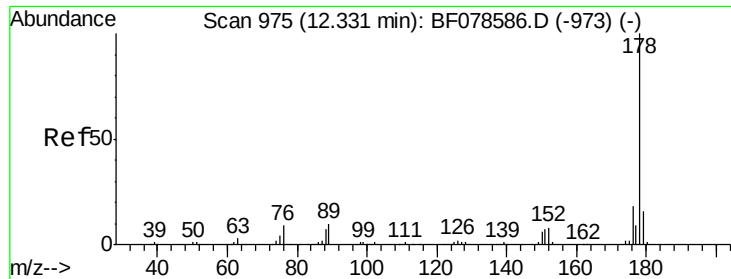
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#70
 Phenanthrene
 Concen: 143.20 ng
 RT: 13.99 min Scan# 1120
 Delta R.T. 0.00 min
 Lab File: BF078674.D
 Acq: 21 Apr 2015 8:30

Tgt Ion:178	Resp: 1095099
Ion Ratio Lower Upper	
178 100	
176 20.1	15.4 23.0
179 15.8	12.2 18.2





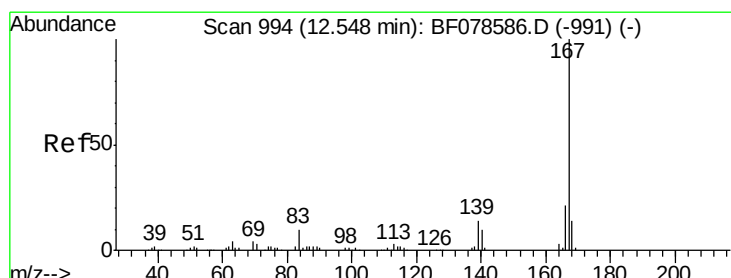
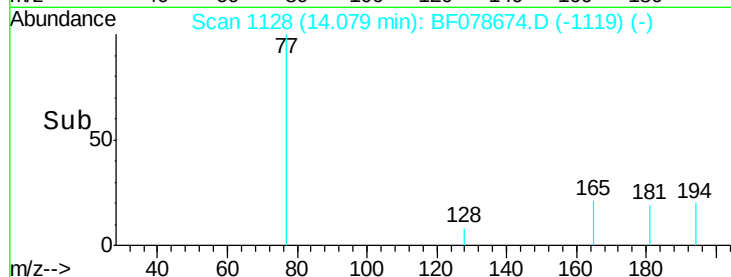
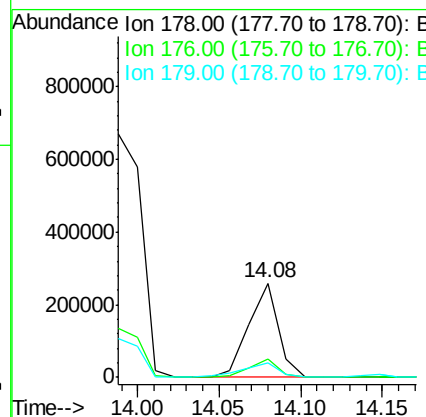
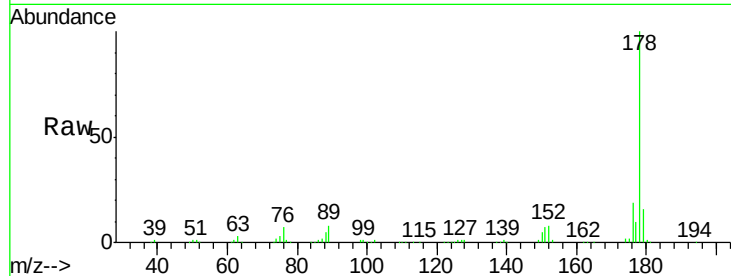
#71
 Anthracene
 Concen: 43.63 ng
 RT: 14.08 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: BF078674.D
 Acq: 21 Apr 2015 8:30

Instrument :
 BNA_F
 ClientSampled :
 SP-C-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.8	22.2
179	15.6	12.4	18.6

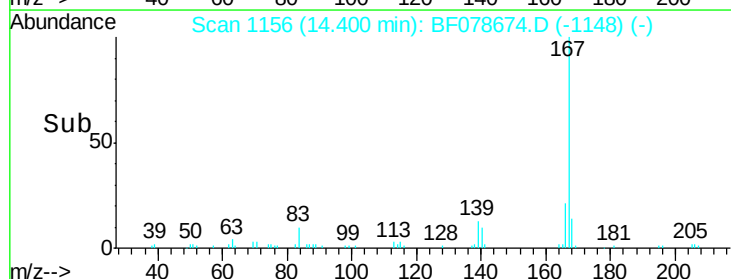
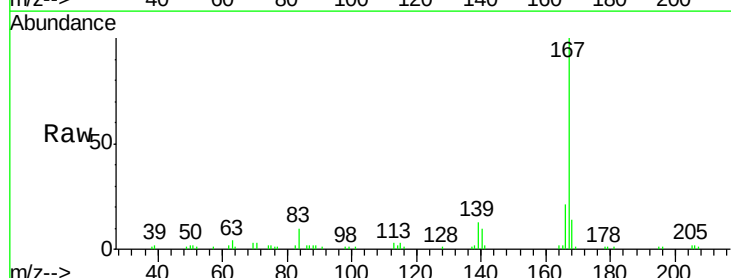
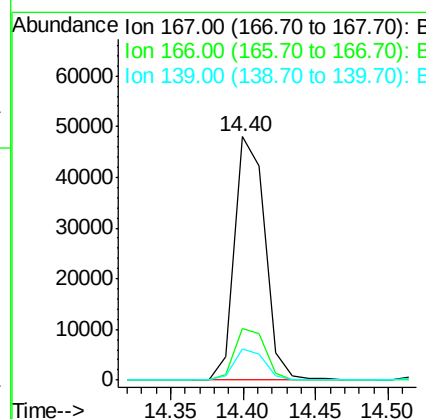
Manual Integrations
 APPROVED

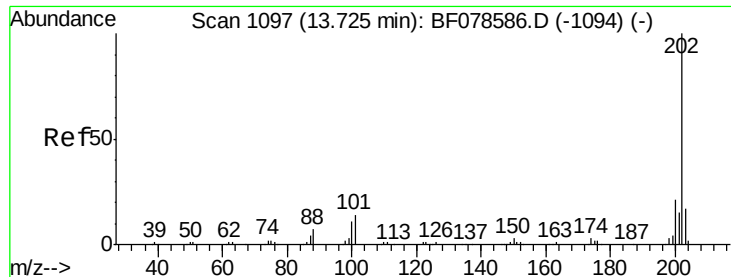
apatel
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#72
 Carbazole
 Concen: 9.86 ng
 RT: 14.40 min Scan# 1156
 Delta R.T. -0.01 min
 Lab File: BF078674.D
 Acq: 21 Apr 2015 8:30

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	16.8	25.2
139	13.0	10.0	15.0





#74

Fluoranthene

Concen: 171.12 ng

RT: 15.87 min Scan# 1285

Delta R.T. 0.00 min

Lab File: BF078674.D

Acq: 21 Apr 2015 8:30

Instrument :

BNA_F

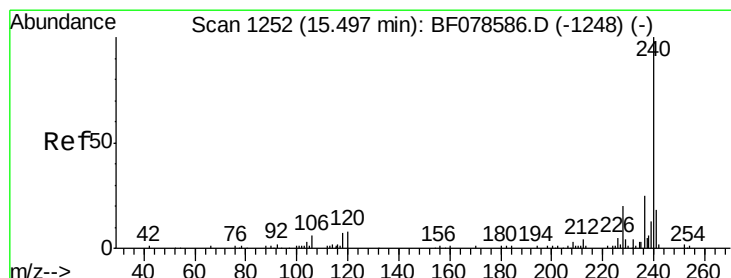
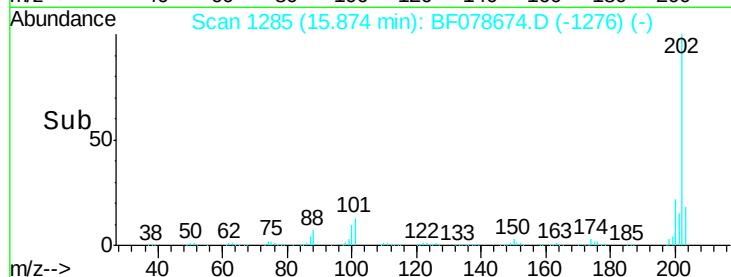
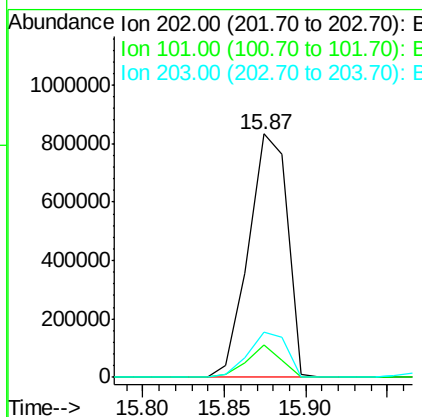
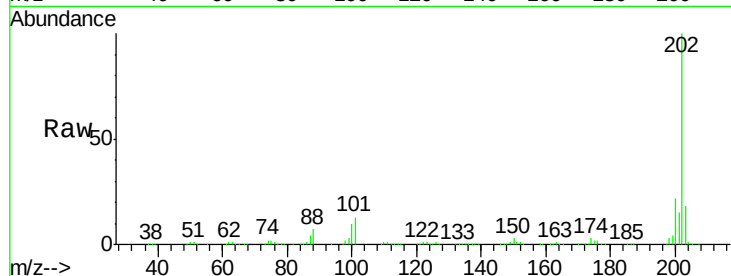
ClientSampled :

SP-C-2

Tot Ion:	202	Resp:	1380020
Ion Ratio	Lower	Upper	
202	100		
101	13.4	0.0	35.2
203	18.4	0.0	38.5

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#75

Chrysene-d12

Concen: 20.00 ng

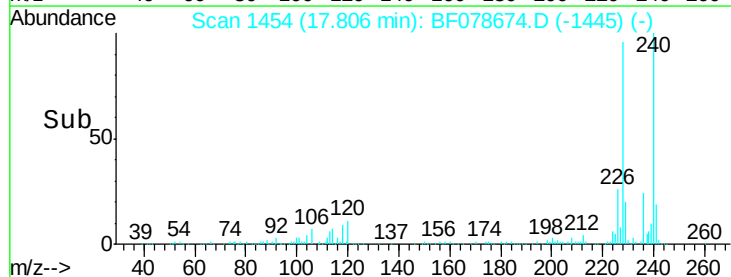
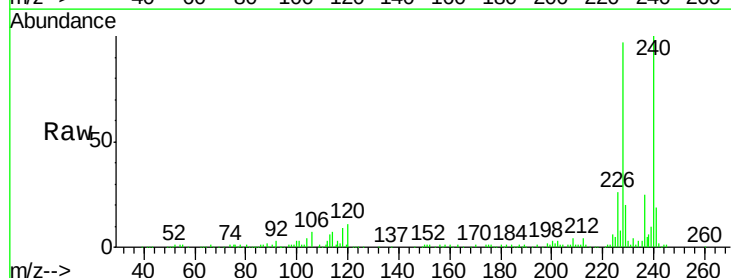
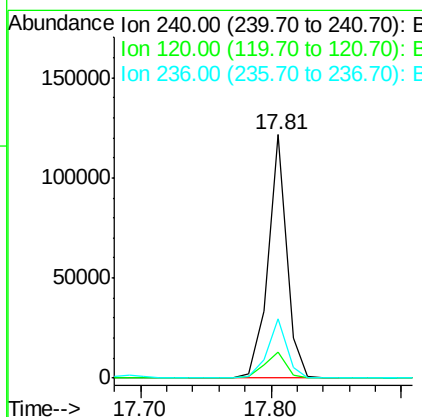
RT: 17.81 min Scan# 1454

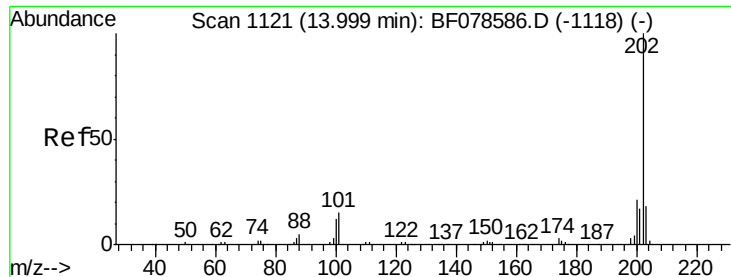
Delta R.T. 0.00 min

Lab File: BF078674.D

Acq: 21 Apr 2015 8:30

Tgt Ion:	240	Resp:	123353
Ion Ratio	Lower	Upper	
240	100		
120	10.8	7.1	10.7#
236	24.6	21.4	32.2





#77

Pvrene

Concen: 138.03 ng

RT: 16.18 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BF078674.D

Acq: 21 Apr 2015 8:30

Instrument :

BNA_F

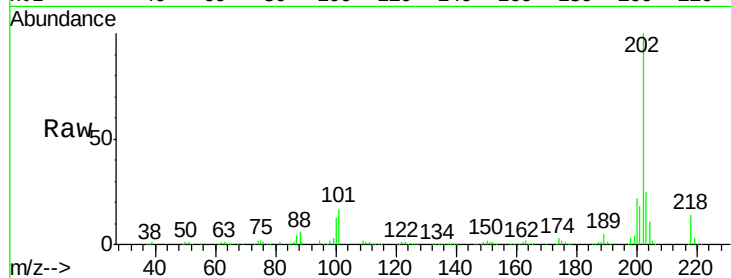
ClientSampleId :

SP-C-2

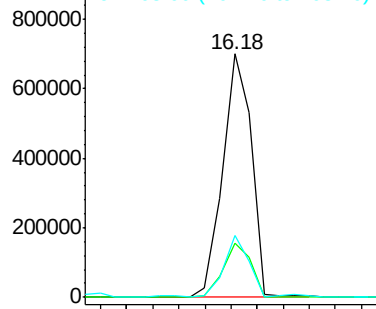
Tot Ion:	202	Resp:	1068846
Ion Ratio	Lower	Upper	
202	100		
200	22.1	16.3	24.5
203	25.3	13.8	20.6

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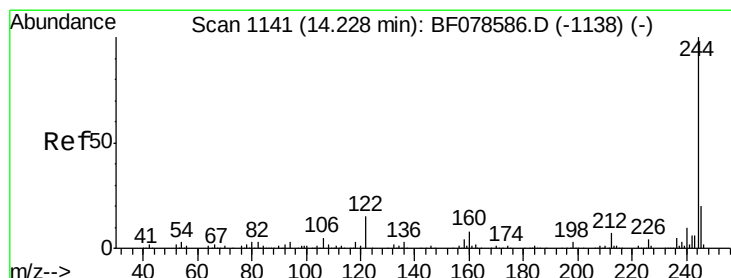
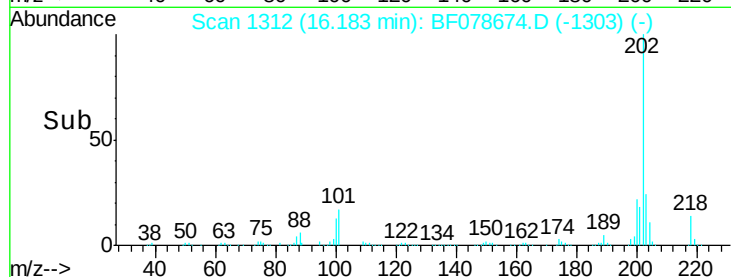
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#78

Terphenyl-d14

Concen: 5.75 ng

RT: 16.46 min Scan# 1336

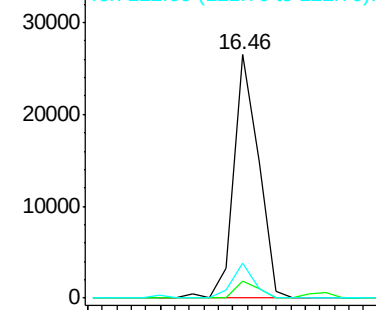
Delta R.T. -0.01 min

Lab File: BF078674.D

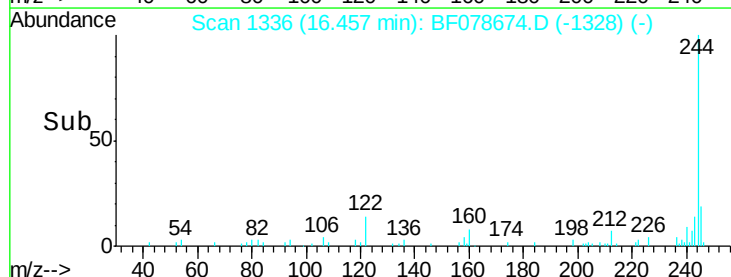
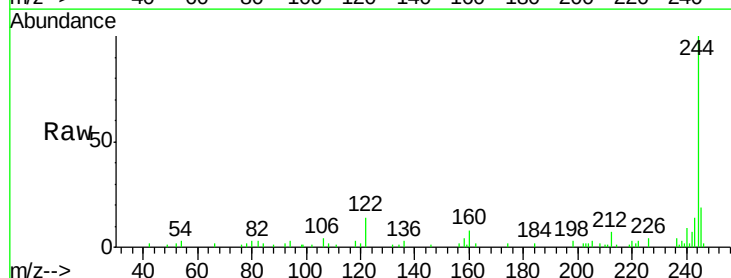
Acq: 21 Apr 2015 8:30

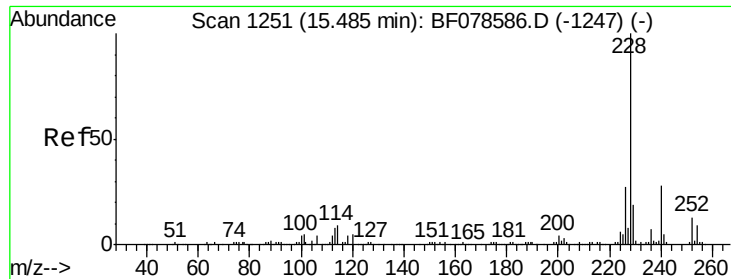
Tgt Ion:	244	Resp:	31396
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.0	7.4
122	14.3	7.1	10.7

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-->





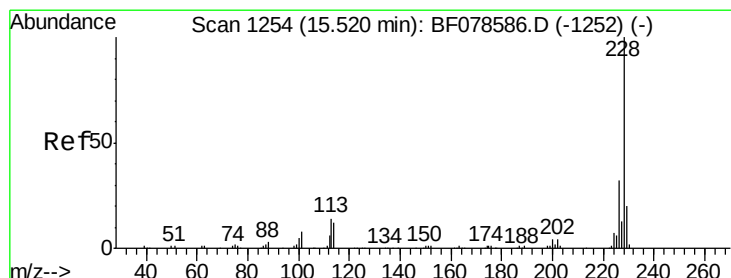
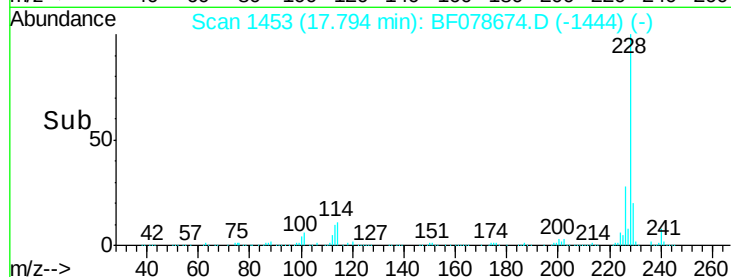
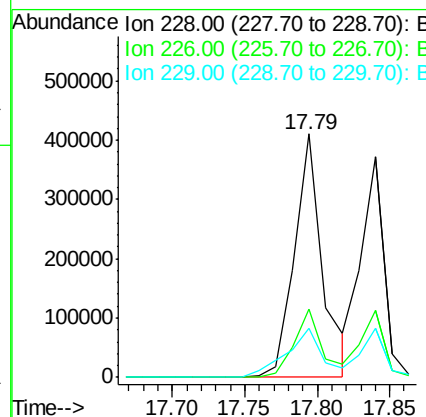
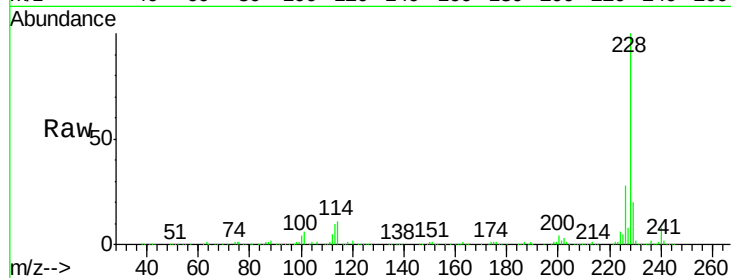
#80
Benzo(a)anthracene
Concen: 74.82 ng
RT: 17.79 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BF078674.D
Acq: 21 Apr 2015 8:30

Instrument :
BNA_F
ClientSampled :
SP-C-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.3	31.9
229	20.4	15.4	23.2

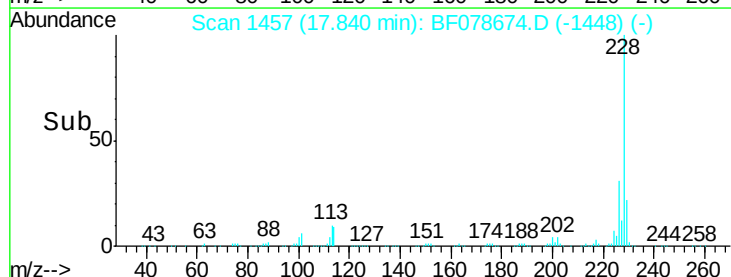
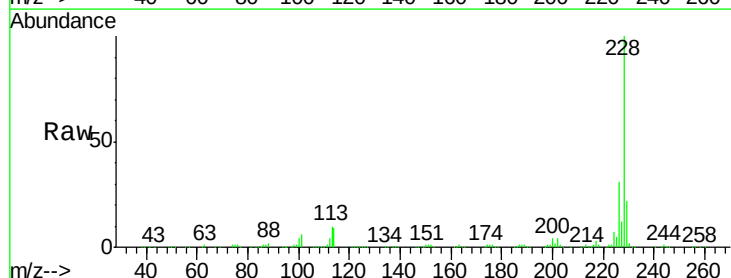
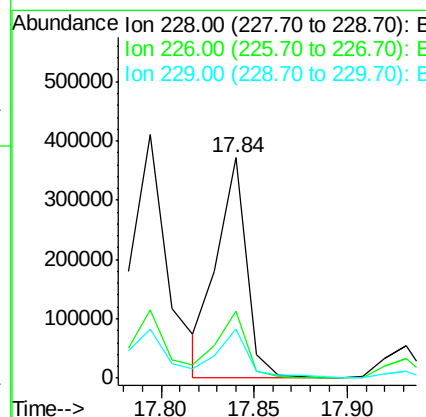
Manual Integrations
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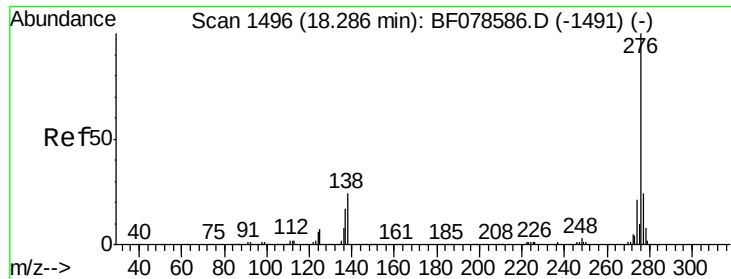
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#82
Chrysene
Concen: 58.97 ng
RT: 17.84 min Scan# 1457
Delta R.T. 0.00 min
Lab File: BF078674.D
Acq: 21 Apr 2015 8:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.2	36.4
229	22.4	15.8	23.8





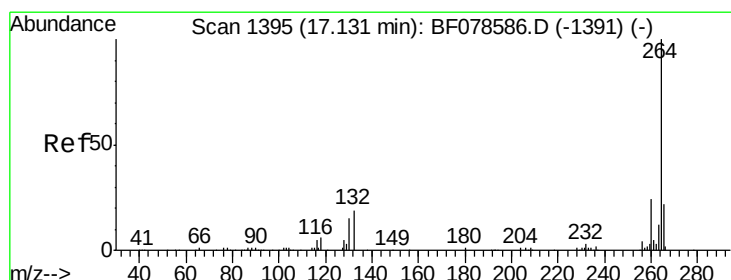
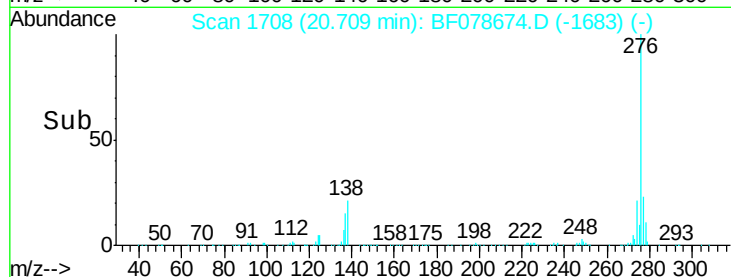
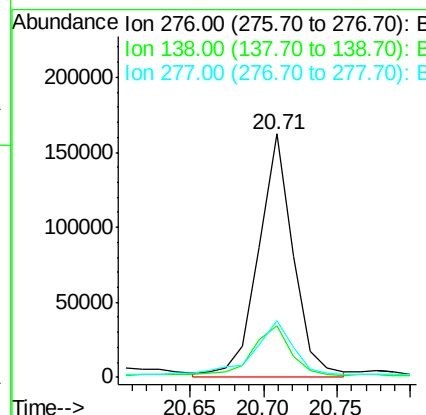
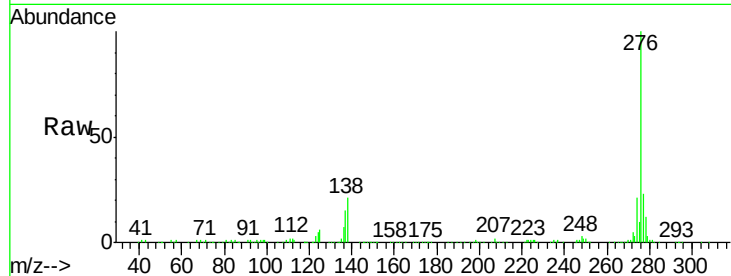
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 33.83 ng/mL
 RT: 20.71 min Scan# 1708
 Delta R.T. -0.01 min
 Lab File: BF078674.D
 Acq: 21 Apr 2015 8:30

Instrument :
 BNA_F
 ClientSampleId :
 SP-C-2

Tot Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	4.6	16.9	25.3#
277	4.2	15.8	23.6#

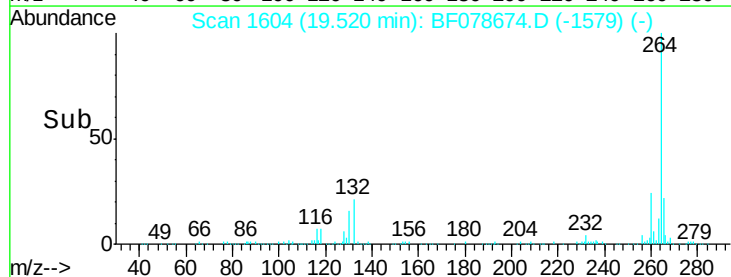
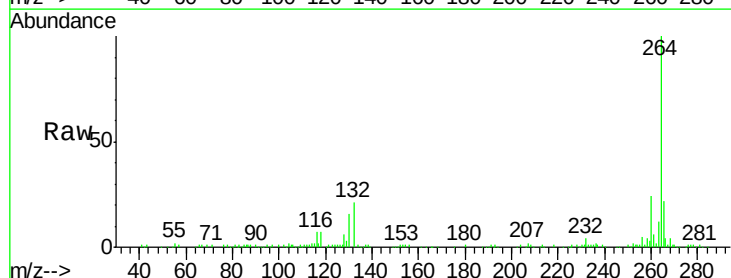
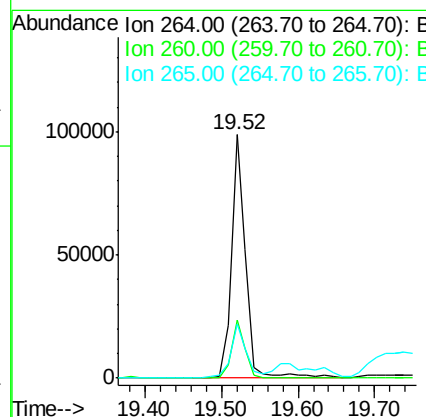
Manual Integrations
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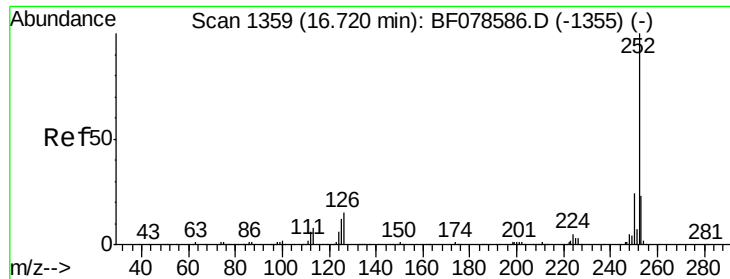
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 19.52 min Scan# 1604
 Delta R.T. -0.01 min
 Lab File: BF078674.D
 Acq: 21 Apr 2015 8:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.0	18.6	27.8
265	22.5	17.0	25.6





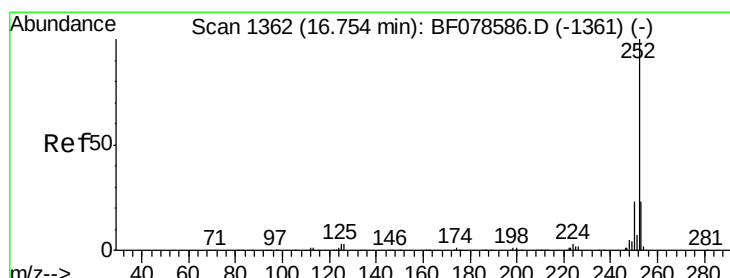
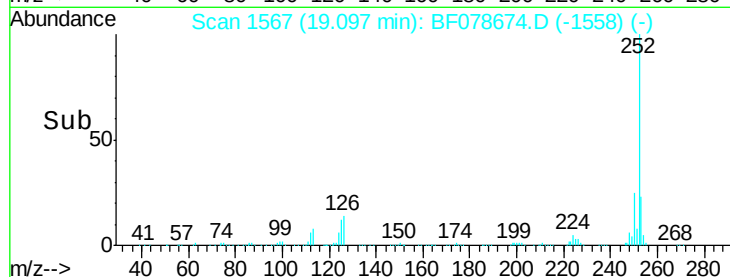
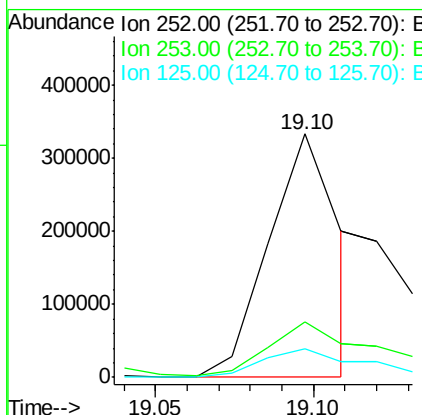
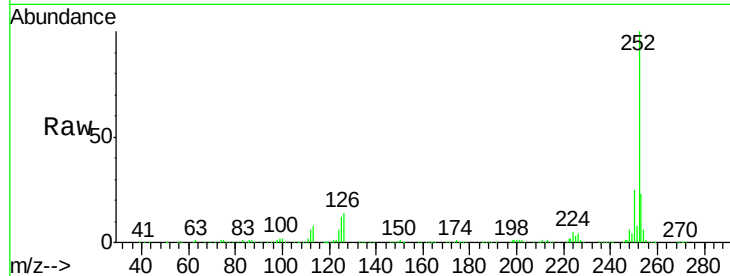
#87
Benzo(b)fluoranthene
Concen: 64.37 ng m
RT: 19.10 min Scan# 1567
Delta R.T. 0.00 min
Lab File: BF078674.D
Acq: 21 Apr 2015 8:30

Instrument :
BNA_F
ClientSampleId :
SP-C-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	11.9	7.0	10.4

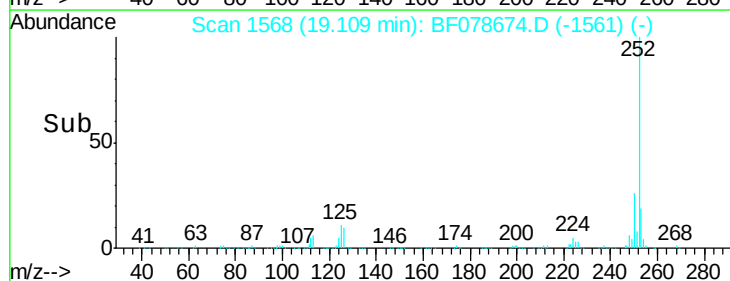
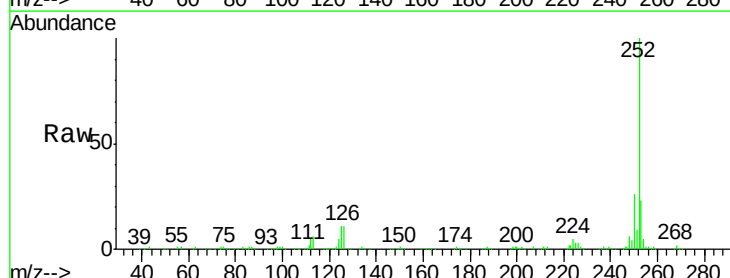
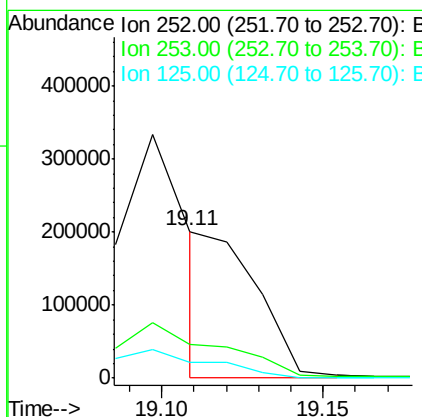
Manual Integrations
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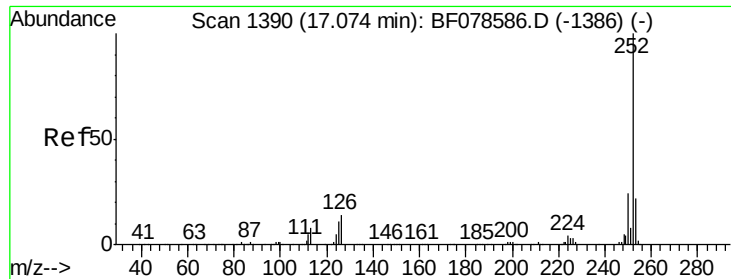
apatel
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#88
Benzo(k)fluoranthene
Concen: 30.37 ng m
RT: 19.11 min Scan# 1568
Delta R.T. -0.02 min
Lab File: BF078674.D
Acq: 21 Apr 2015 8:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	10.7	11.6	17.4





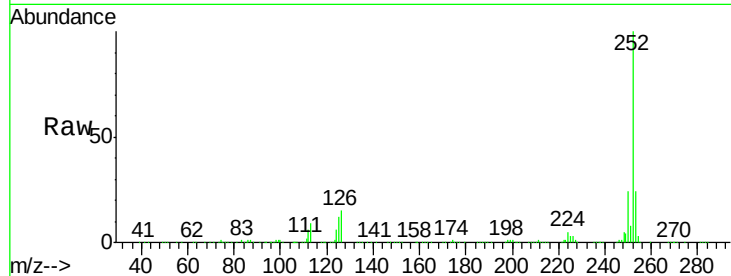
#89
Benzo(a)pyrene
Concen: 56.36 ng
RT: 19.46 min Scan# 1599
Delta R.T. 0.00 min
Lab File: BF078674.D
Acq: 21 Apr 2015 8:30

Instrument :
BNA_F
ClientSampled :
SP-C-2

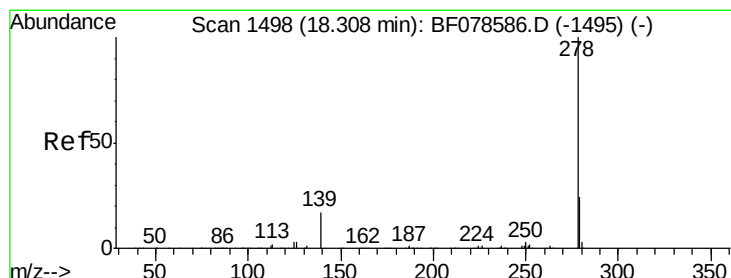
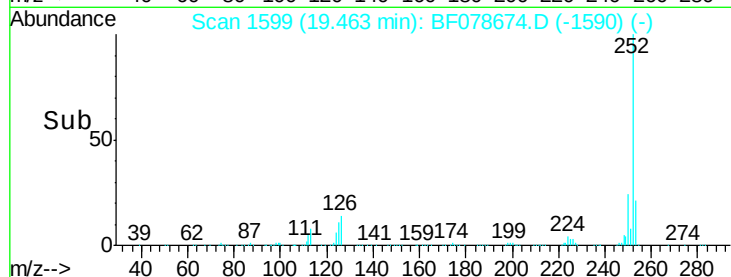
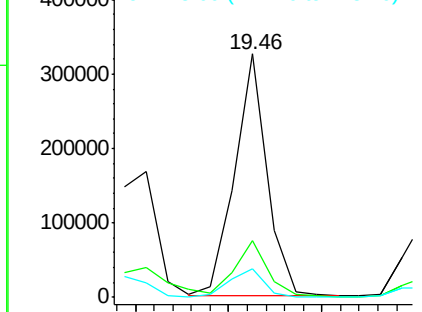
Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.6	16.8	25.2
125	11.7	7.4	11.0

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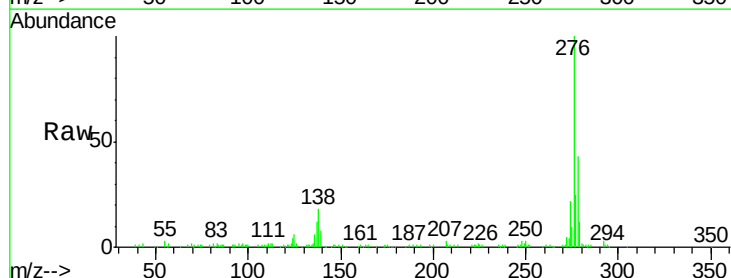


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

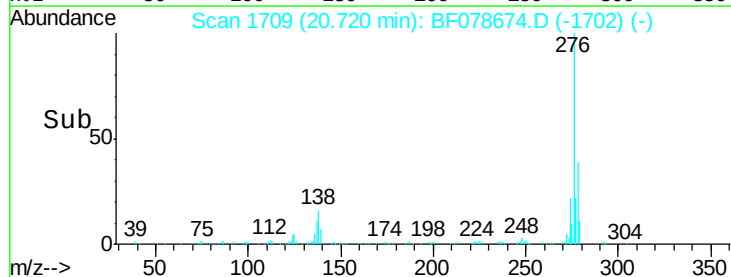
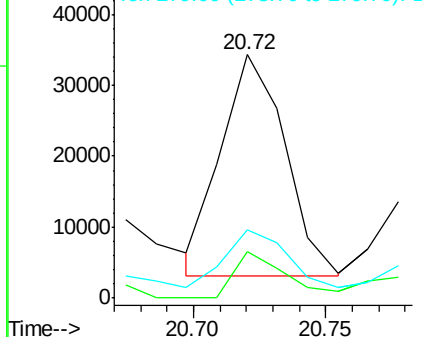


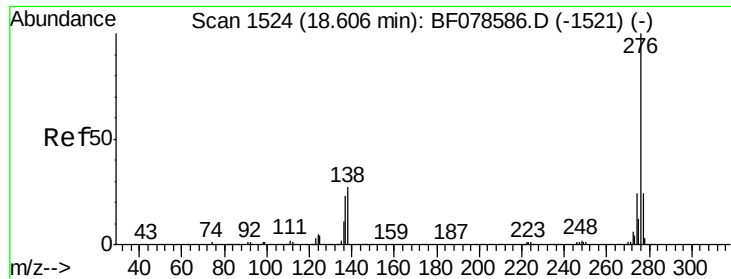
#90
Dibenzo(a,h)anthracene
Concen: 7.48 ng m
RT: 20.72 min Scan# 1709
Delta R.T. -0.02 min
Lab File: BF078674.D
Acq: 21 Apr 2015 8:30

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	19.0	13.6	20.4
279	28.0	19.0	28.6



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 33.62 ng
 RT: 21.03 min Scan# 1736
 Delta R.T. -0.01 min
 Lab File: BF078674.D
 Acq: 21 Apr 2015 8:30

Instrument :
 BNA_F
 ClientSampleId :
 SP-C-2

Tot Ion:	276	Resp:	234495
Ion Ratio		Lower	Upper
276	100		
277	23.3	19.0	28.4
138	23.2	19.9	29.9

Manual Integrations
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