

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042015\
 Data File : BF078676.D
 Acq On : 21 Apr 2015 9:32
 Operator : TP/IZ
 Sample : G1880-03DL 25X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S2-1-4DL

Manual Integrations
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Quant Time: Apr 21 12:55:03 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	7009	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	28941	20.00	ng	0.00
38) Acenaphthene-d10	11.20	164	14713	20.00	ng	-0.01
63) Phenanthrene-d10	13.94	188	28085	20.00	ng	0.00
75) Chrysene-d12	17.79	240	29027	20.00	ng	-0.01
86) Perylene-d12	19.50	264	29244	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.88	112	5575	13.11	ng	0.01
7) Phenol-d6	5.37	99	7658	14.37	ng	0.01
23) Nitrobenzene-d5	6.80	82	4581	9.59	ng	0.00
41) 2,4,6-Tribromophenol	12.69	330	1589	13.02	ng	0.00
44) 2-Fluorobiphenyl	10.02	172	12476	12.12	ng	-0.01
78) Terphenyl-d14	16.46	244	14016	10.91	ng	-0.01
Target Compounds						Qvalue
48) Acenaphthylene	10.94	152	20674	13.52	ng	97
51) Acenaphthene	11.26	154	6419	7.46	ng	91
54) Dibenzofuran	11.59	168	12117	9.22	ng	96
57) Fluorene	12.22	166	14723	13.81	ng	96
70) Phenanthrene	13.98	178	236321	145.47	ng	100
71) Anthracene	14.07	178	62208	38.86	ng	99
72) Carbazole	14.40	167	17433	11.62	ng	98
74) Fluoranthene	15.86	202	353735	206.47	ng	95
77) Pyrene	16.17	202	308167	169.12	ng	96
80) Benzo(a)anthracene	17.78	228	179788	104.10	ng	97
82) Chrysene	17.83	228	146357	90.20	ng	97
85) Indeno(1,2,3-cd)pyrene	20.66	276	84604	45.95	ng	# 88
87) Benzo(b)fluoranthene	19.07	252	204019m	112.88	ng	
88) Benzo(k)fluoranthene	19.11	252	44633m	27.79	ng	
89) Benzo(a)pyrene	19.44	252	130316	82.62	ng	98
90) Dibenzo(a,h)anthracene	20.69	278	19092	12.09	ng	# 92
91) Benzo(a,h,i)perylene	20.98	276	78903	49.83	ng	97

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

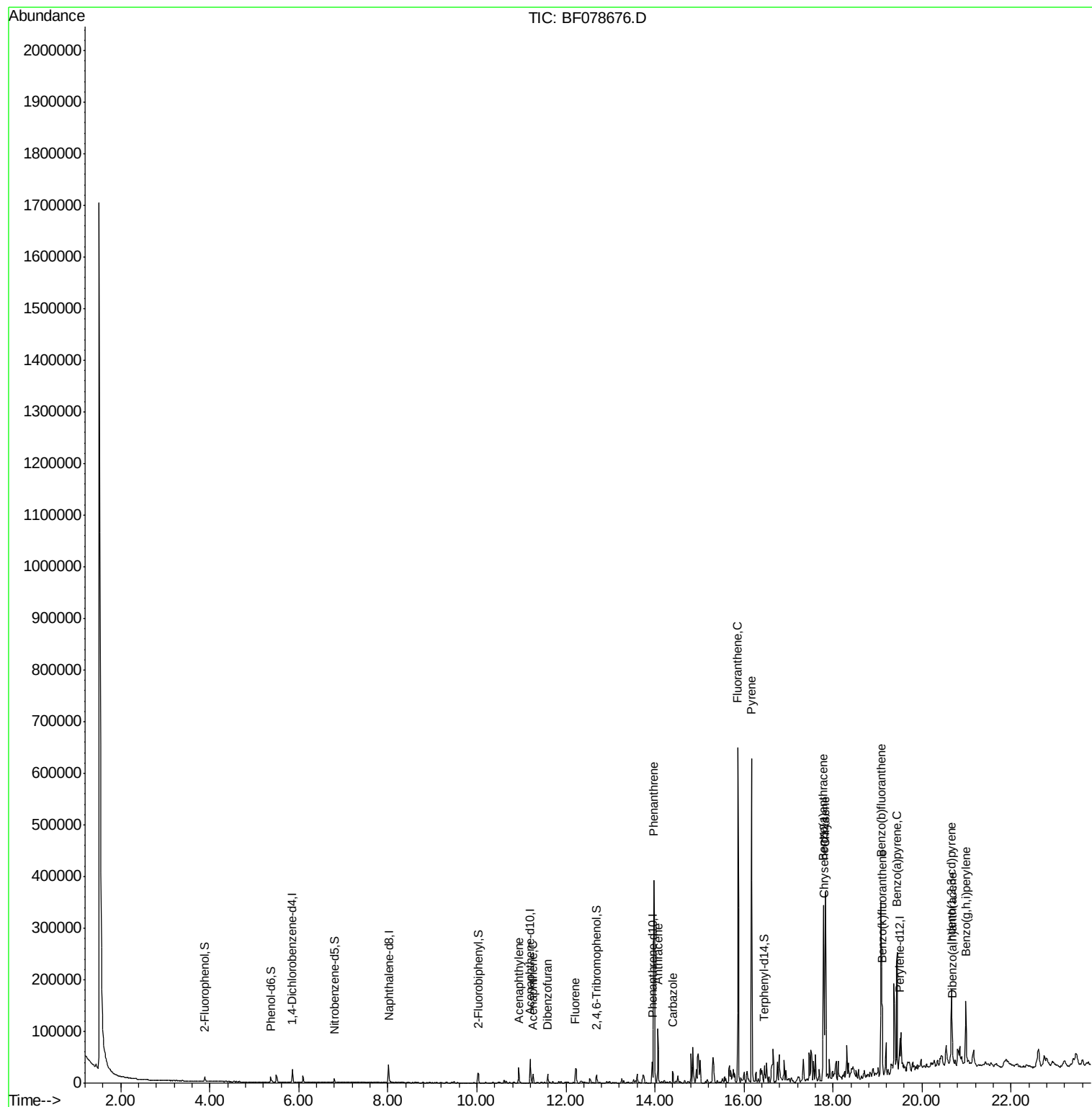
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042015\
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ALS Vial : 29 Sample Multiplier: 1

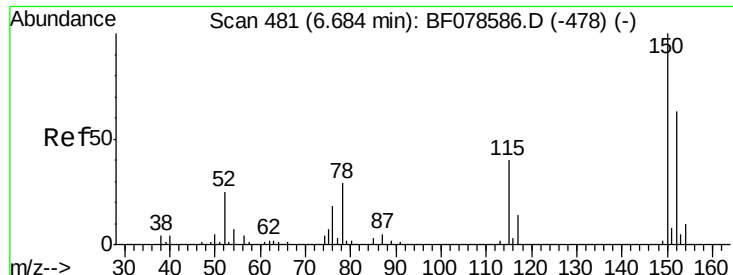
Instrument :
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ClientSampleId :
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#1

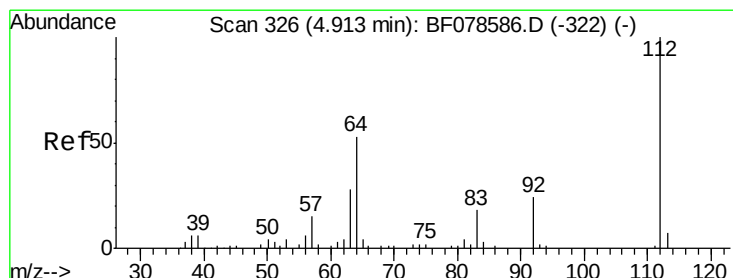
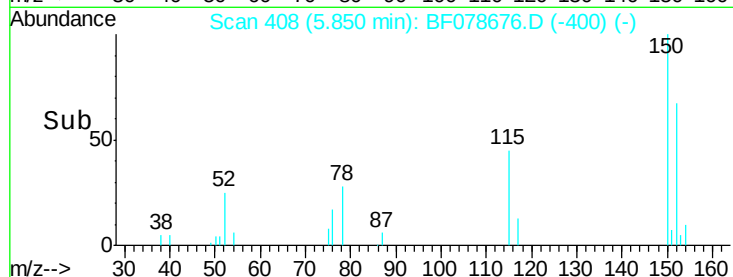
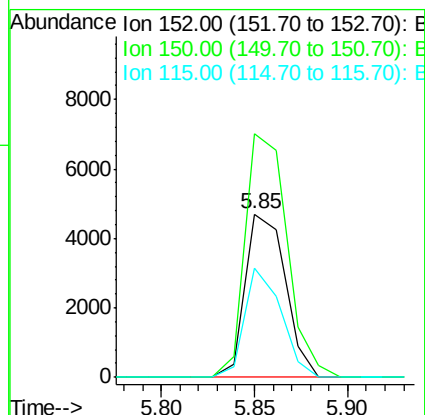
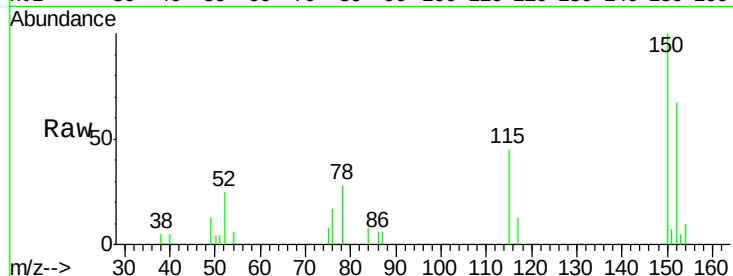
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.85 min Scan# 408
Delta R.T. -0.01 min
Lab File: BF078676.D
Acq: 21 Apr 2015 9:32

Instrument :
BNA_F
ClientSampleId :
S2-1-4DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.9	125.9	188.9
115	66.5	52.7	79.1

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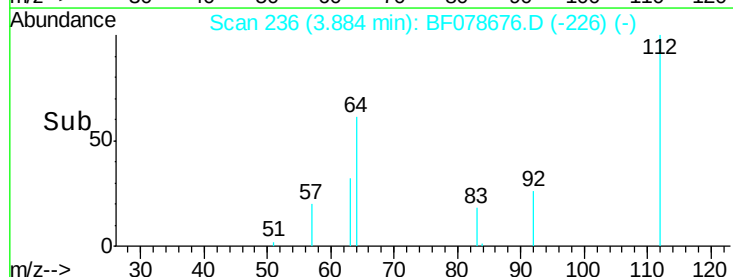
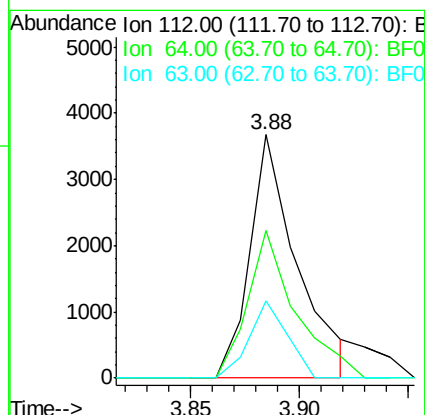
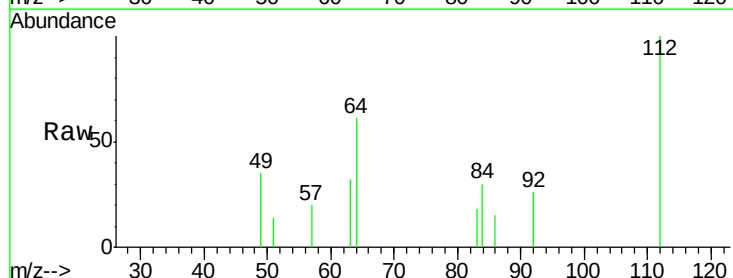
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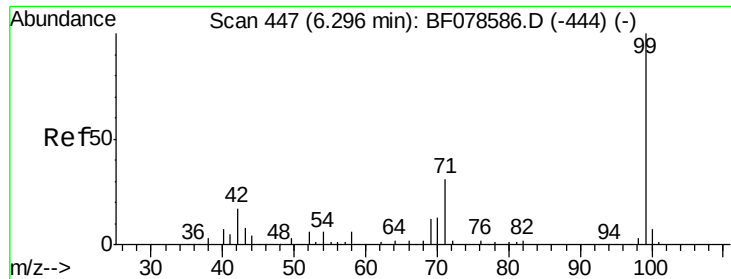


#5

2-Fluorophenol
Concen: 13.11 ng
RT: 3.88 min Scan# 236
Delta R.T. 0.01 min
Lab File: BF078676.D
Acq: 21 Apr 2015 9:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.6	39.9	59.9#
63	31.8	20.2	30.4#





#7

Phenol-d6

Concen: 14.37 ng

RT: 5.37 min Scan# 366

Delta R.T. 0.01 min

Lab File: BF078676.D

Acq: 21 Apr 2015 9:32

Instrument :

BNA_F

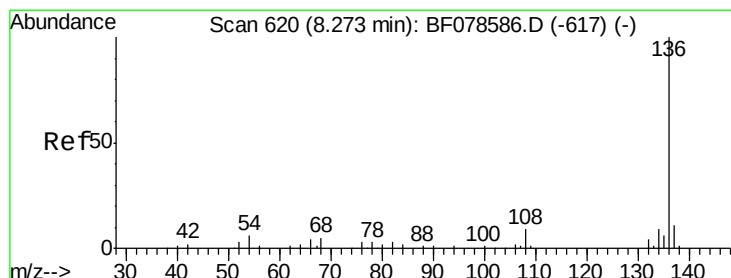
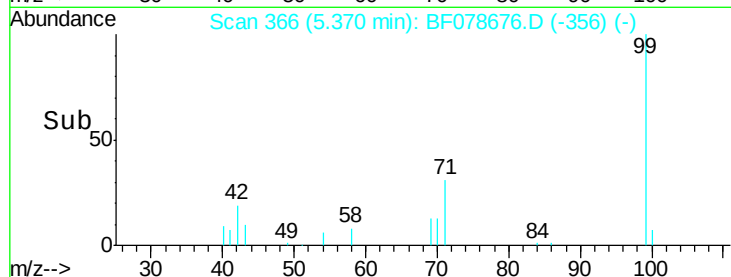
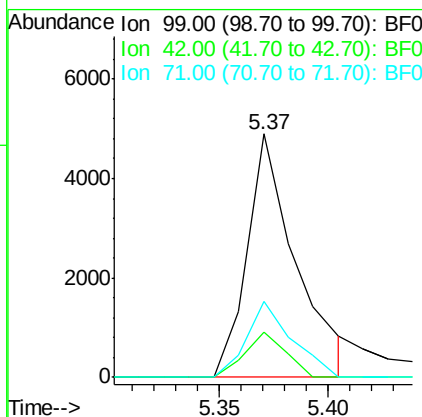
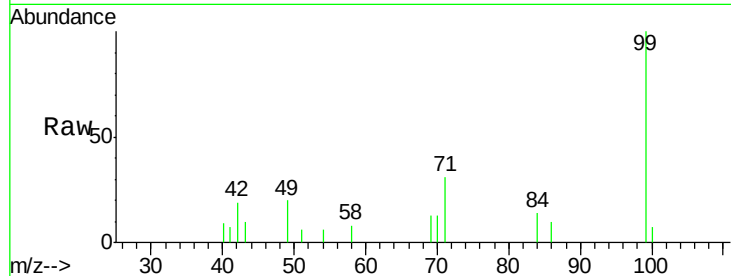
ClientSampleId :

S2-1-4DL

Tot Ion:	99	Resp:	7658
Ion Ratio	Lower	Upper	
99	100		
42	18.8	14.8	22.2
71	31.4	26.6	39.8

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#21

Naphthalene-d8

Concen: 20.00 ng

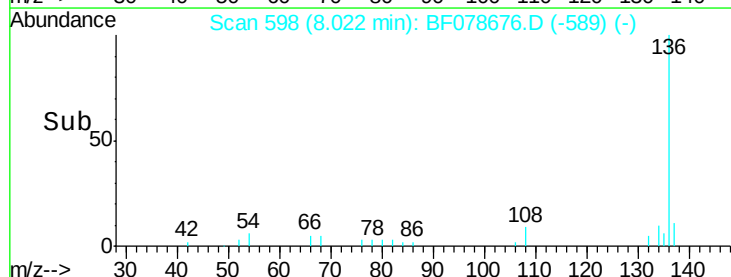
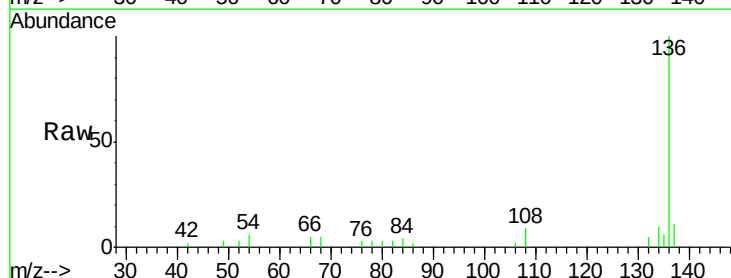
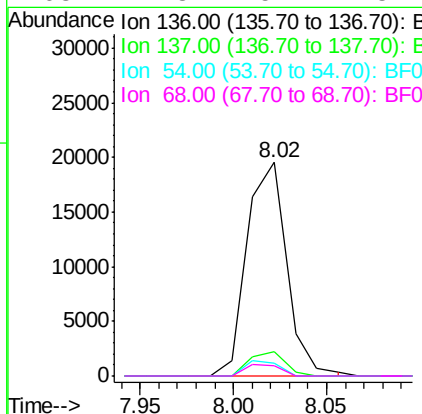
RT: 8.02 min Scan# 598

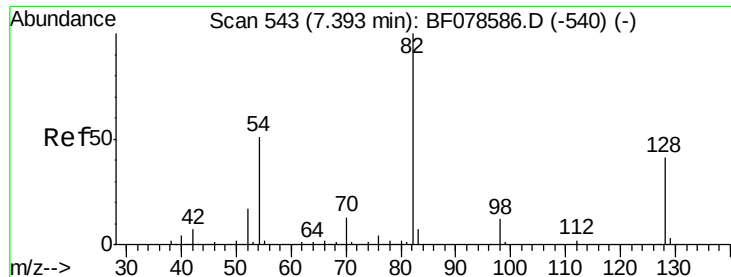
Delta R.T. 0.00 min

Lab File: BF078676.D

Acq: 21 Apr 2015 9:32

Tgt Ion:	136	Resp:	28941
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.0	13.4
54	6.0	7.0	10.6#
68	4.8	5.4	8.2#





#23

Nitrobenzene-d5

Concen: 9.59 ng

RT: 6.80 min Scan# 491

Delta R.T. 0.00 min

Lab File: BF078676.D

Acq: 21 Apr 2015 9:32

Instrument :

BNA_F

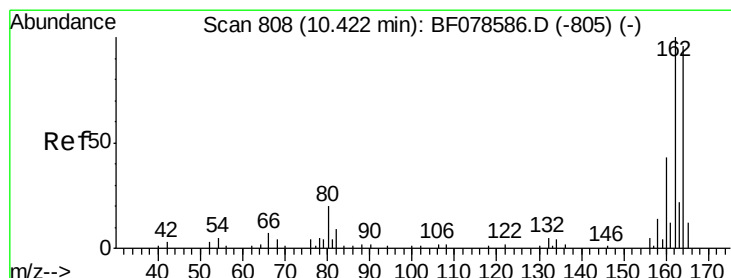
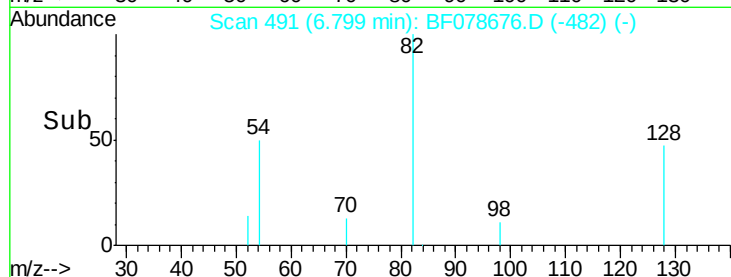
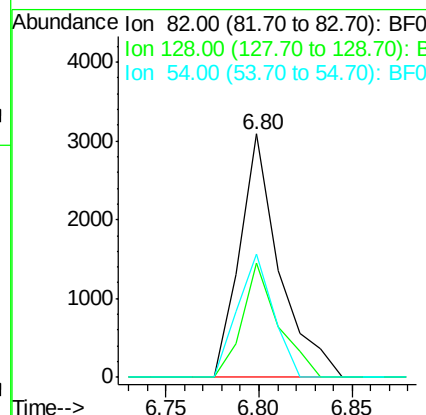
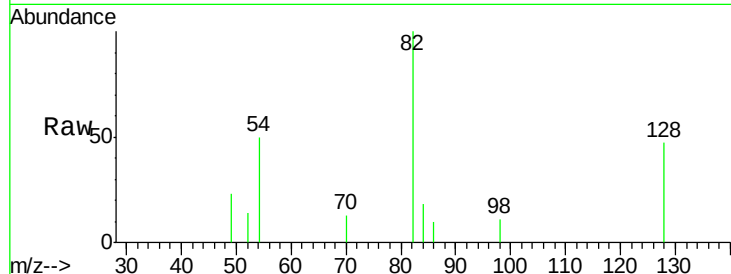
ClientSampled :

S2-1-4DL

Tot Ion:	82	Resp:	4581
Ion Ratio	Lower	Upper	
82	100		
128	46.7	31.8	47.8
54	50.5	41.5	62.3

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#38

Acenaphthene-d10

Concen: 20.00 ng

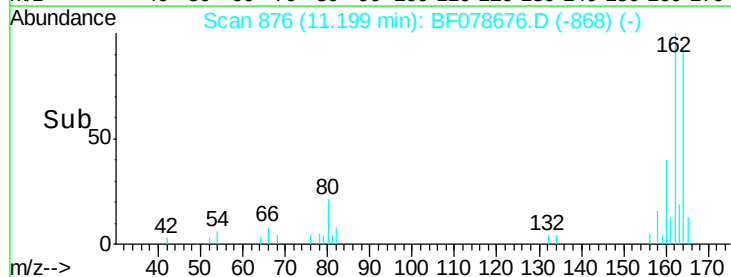
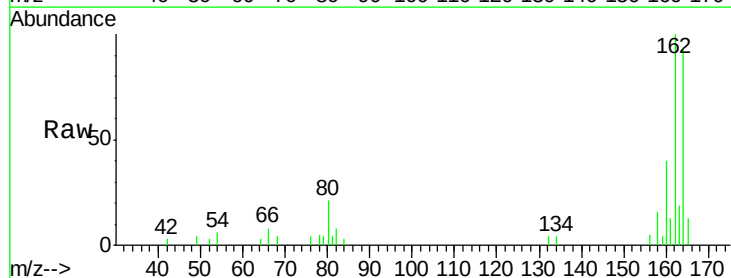
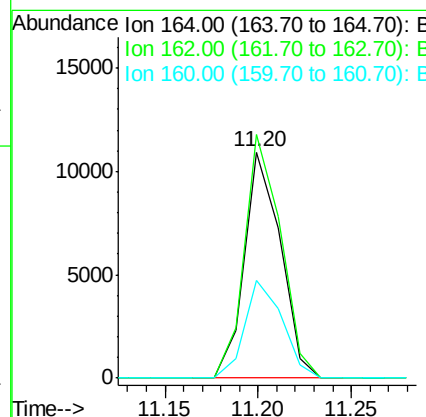
RT: 11.20 min Scan# 876

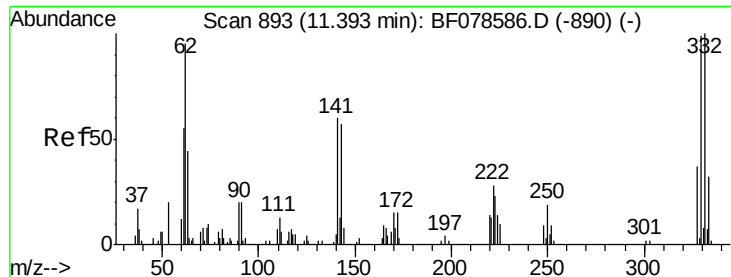
Delta R.T. -0.01 min

Lab File: BF078676.D

Acq: 21 Apr 2015 9:32

Tgt Ion:	164	Resp:	14713
Ion Ratio	Lower	Upper	
164	100		
162	107.8	82.2	123.2
160	43.3	34.7	52.1





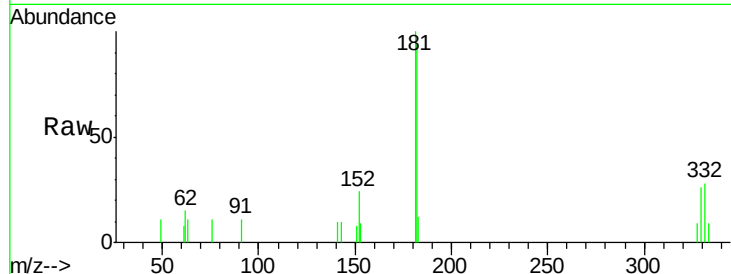
#41
 2,4,6-Tribromophenol
 Concen: 13.02 ng
 RT: 12.69 min Scan# 1006
 Delta R.T. 0.00 min
 Lab File: BF078676.D
 Acq: 21 Apr 2015 9:32

Instrument :
 BNA_F
 ClientSampleId :
 S2-1-4DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	105.8	78.6	117.8
141	39.0	31.2	46.8

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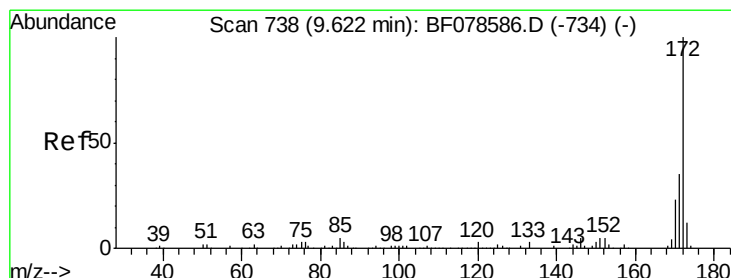
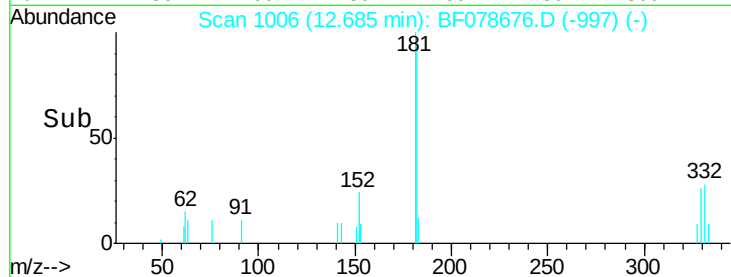
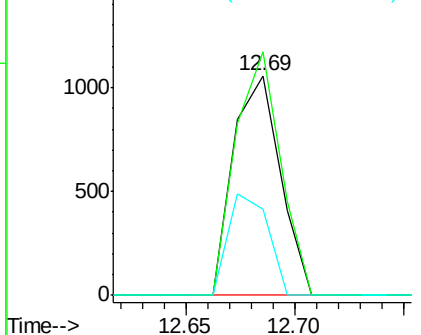


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 12.12 ng
 RT: 10.02 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF078676.D
 Acq: 21 Apr 2015 9:32

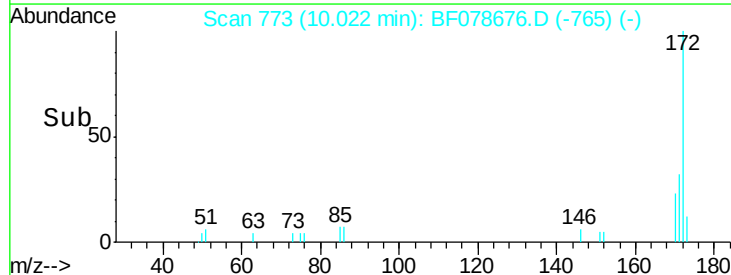
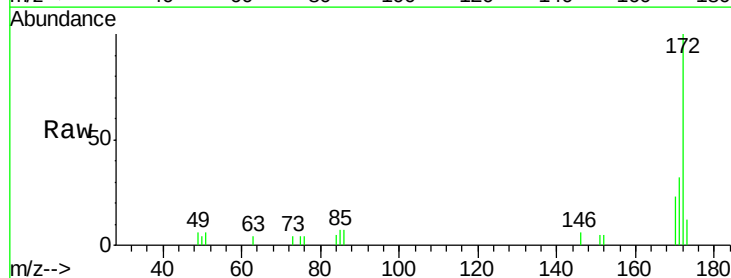
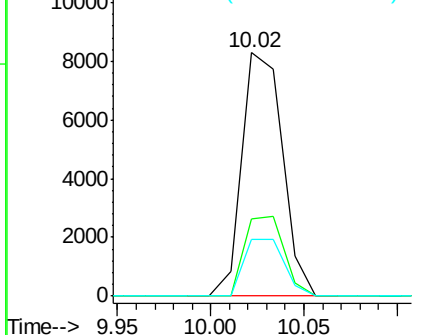
Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.0	28.6	42.8
170	23.4	18.5	27.7

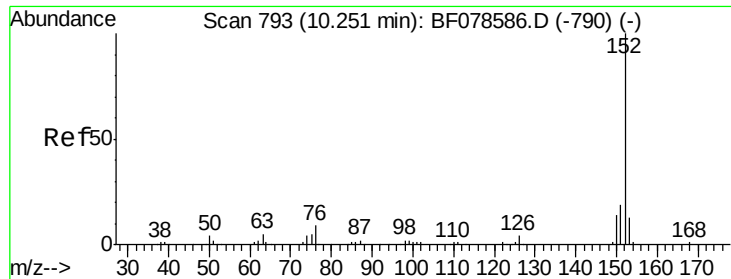
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





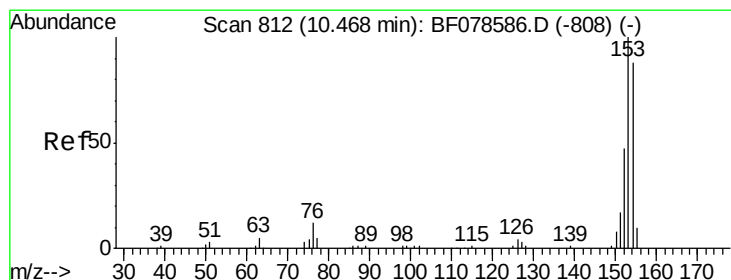
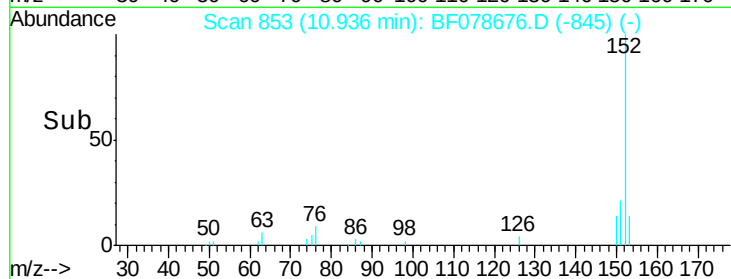
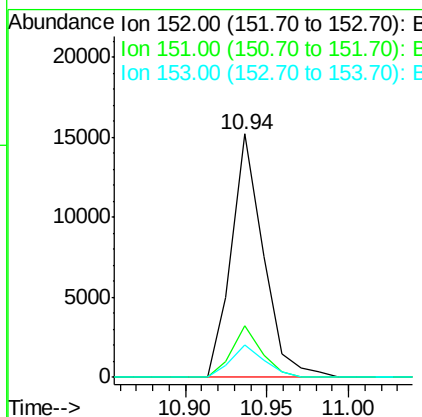
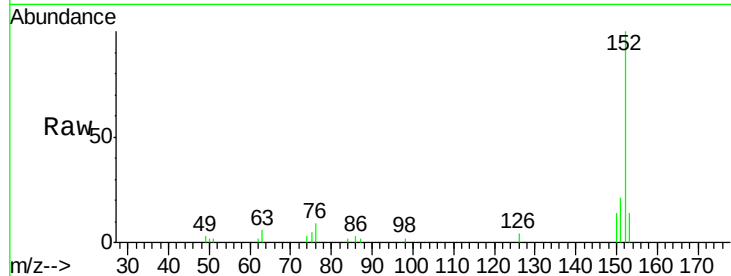
#48
Acenaphthylene
Concen: 13.52 ng
RT: 10.94 min Scan# 853
Delta R.T. -0.01 min
Lab File: BF078676.D
Acq: 21 Apr 2015 9:32

Instrument :
BNA_F
ClientSampleId :
S2-1-4DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.2	15.7	23.5
153	13.6	10.2	15.2

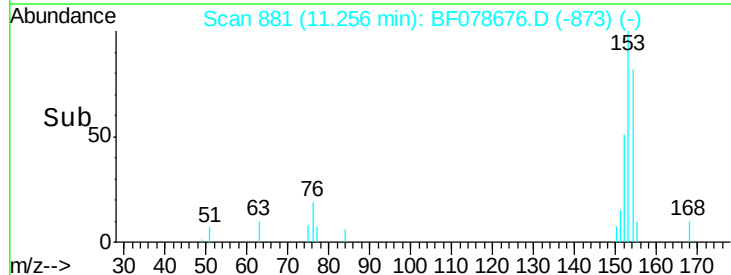
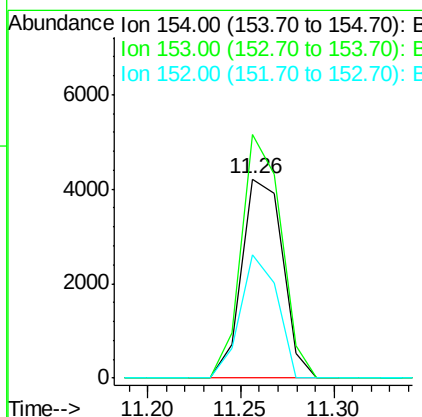
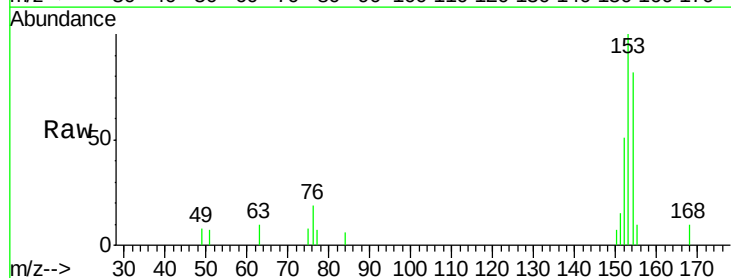
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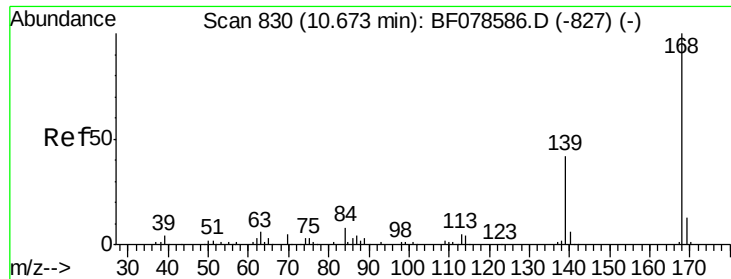
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#51
Acenaphthene
Concen: 7.46 ng
RT: 11.26 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF078676.D
Acq: 21 Apr 2015 9:32

Tgt Ion	Ratio	Lower	Upper
154	100		
153	122.3	91.4	137.2
152	61.8	43.0	64.6





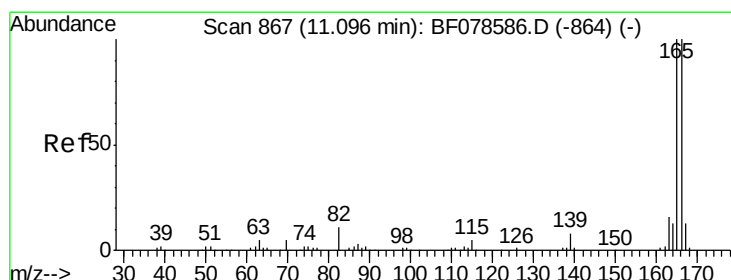
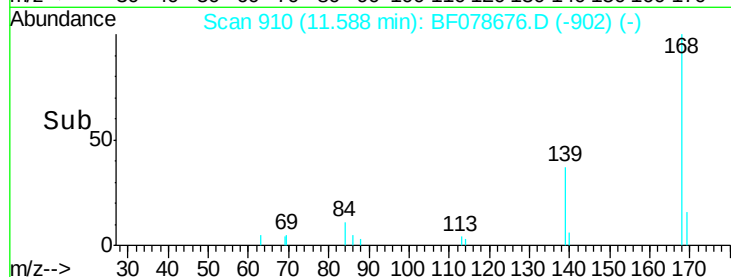
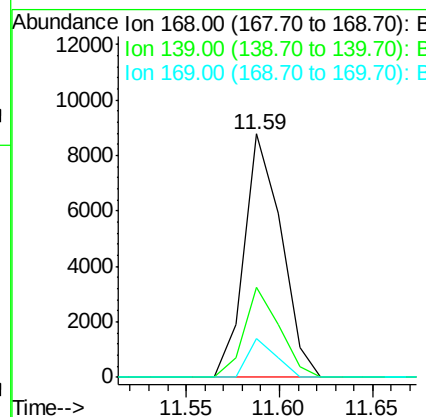
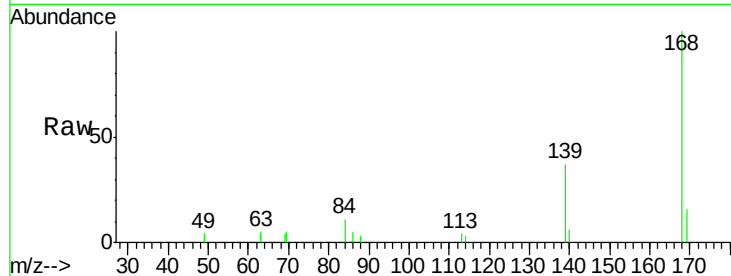
#54
Dibenzenofuran
Concen: 9.22 ng
RT: 11.59 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF078676.D
Acq: 21 Apr 2015 9:32

Instrument :
BNA_F
ClientSampleId :
S2-1-4DL

Tot Ion:168	Resp:	12117
Ion Ratio	Lower	Upper
168	100	
139	37.1	31.0 46.4
169	15.8	10.7 16.1

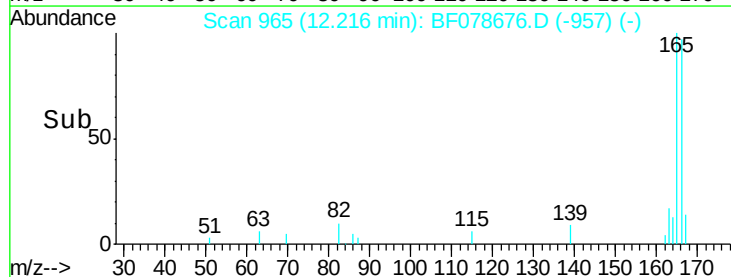
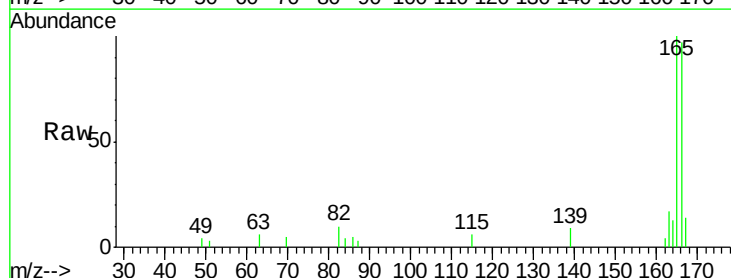
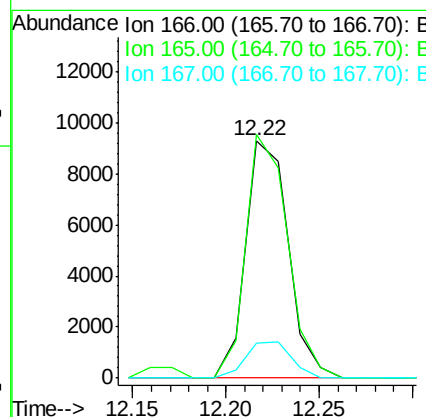
Manual Integrations
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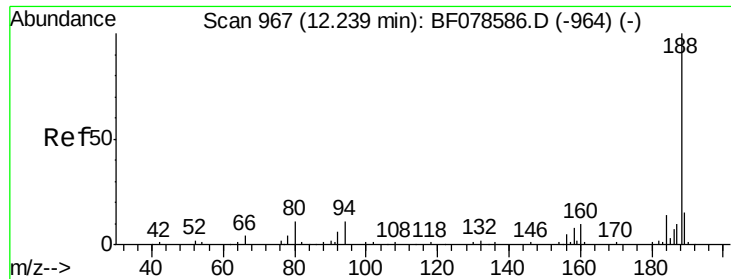
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#57
Fluorene
Concen: 13.81 ng
RT: 12.22 min Scan# 965
Delta R.T. -0.01 min
Lab File: BF078676.D
Acq: 21 Apr 2015 9:32

Tgt Ion:166	Resp:	14723
Ion Ratio	Lower	Upper
166	100	
165	102.6	78.9 118.3
167	14.8	10.7 16.1





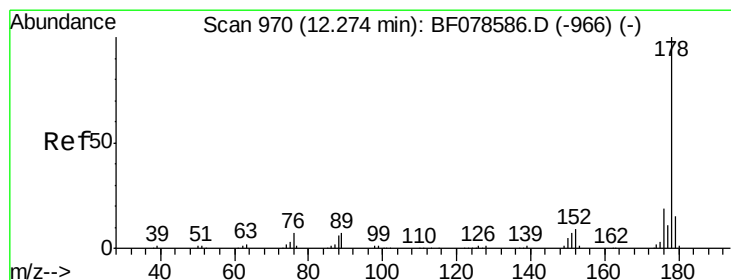
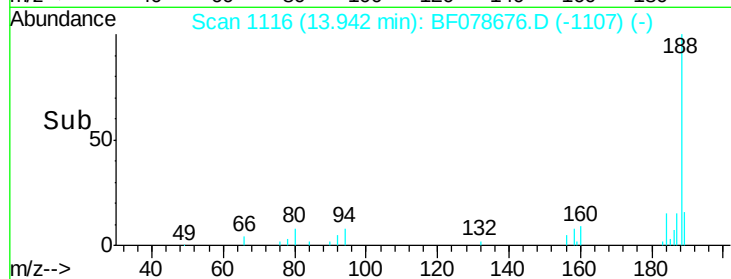
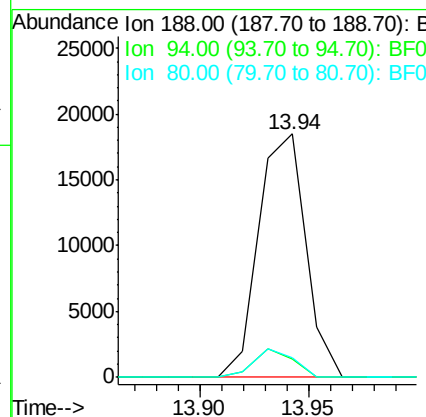
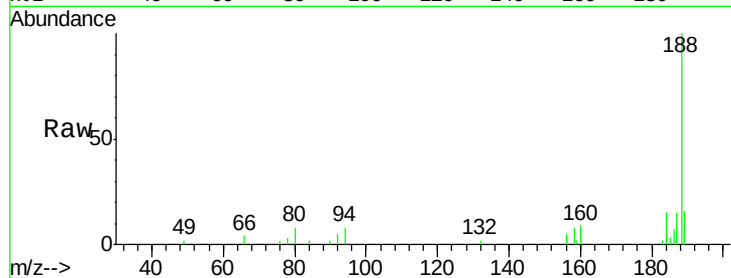
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 13.94 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BF078676.D
Acq: 21 Apr 2015 9:32

Instrument :
BNA_F
ClientSampled :
S2-1-4DL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.6	9.0	13.4#
80	8.3	9.5	14.3#

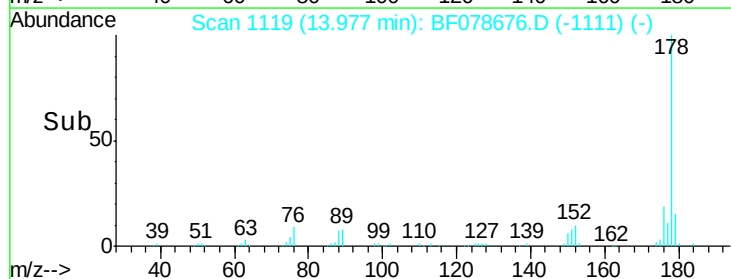
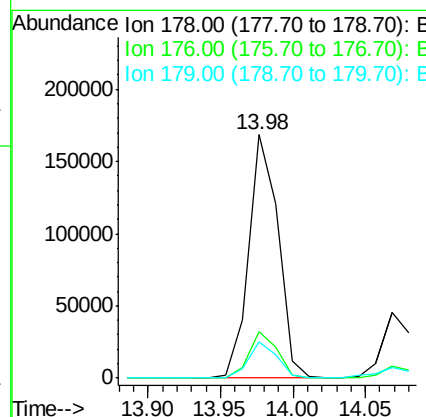
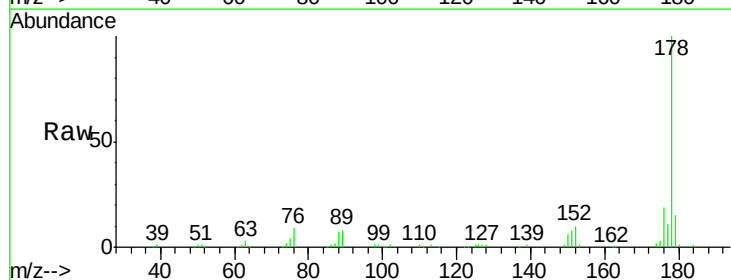
Manual Integrations
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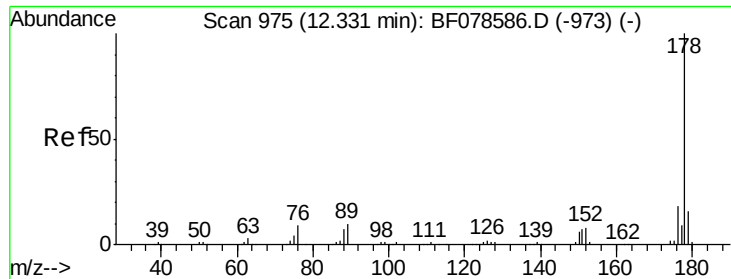
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#70
Phenanthrene
Concen: 145.47 ng
RT: 13.98 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BF078676.D
Acq: 21 Apr 2015 9:32

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.0	12.2	18.2





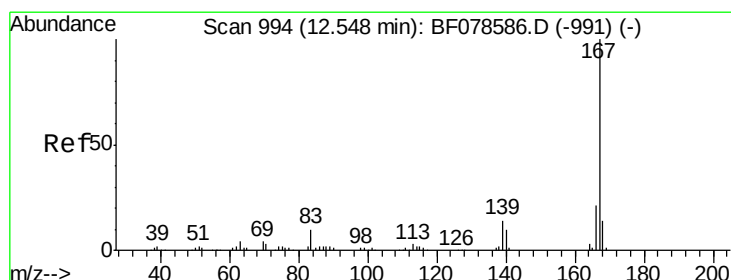
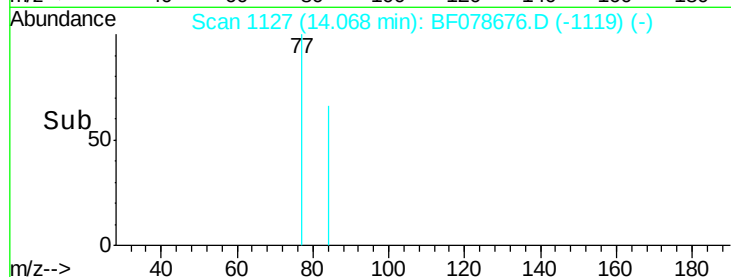
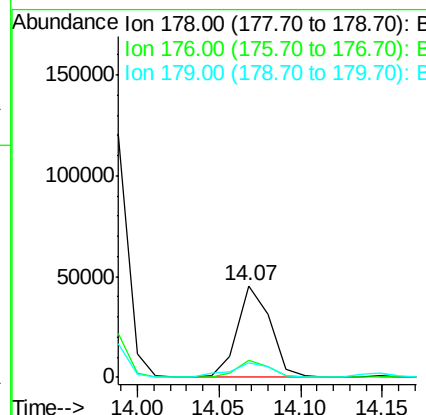
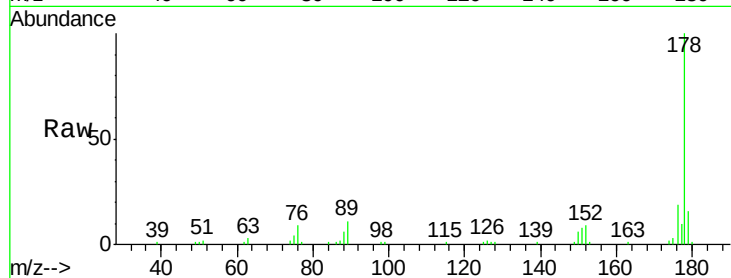
#71
 Anthracene
 Concen: 38.86 ng
 RT: 14.07 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: BF078676.D
 Acq: 21 Apr 2015 9:32

Instrument :
 BNA_F
 ClientSampleId :
 S2-1-4DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.8	22.2
179	15.9	12.4	18.6

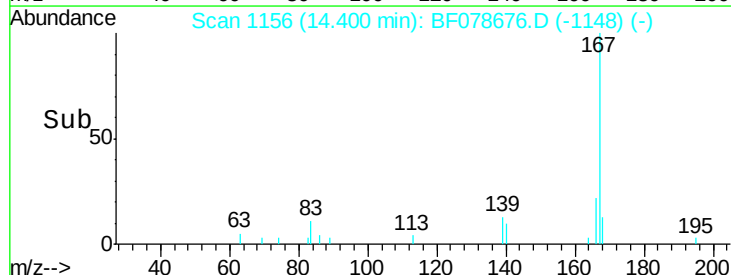
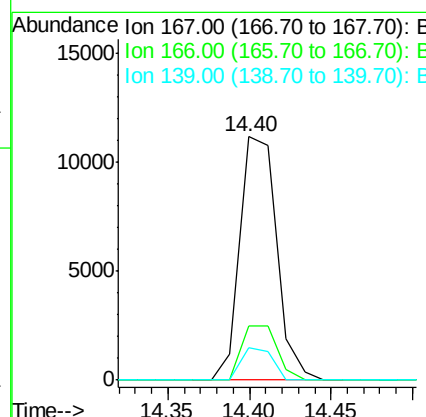
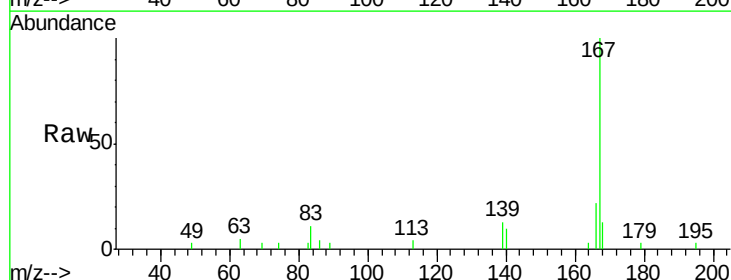
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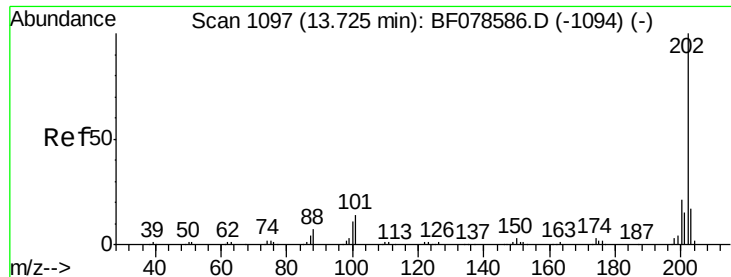
apatel
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#72
 Carbazole
 Concen: 11.62 ng
 RT: 14.40 min Scan# 1156
 Delta R.T. -0.01 min
 Lab File: BF078676.D
 Acq: 21 Apr 2015 9:32

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.1	16.8	25.2
139	13.5	10.0	15.0





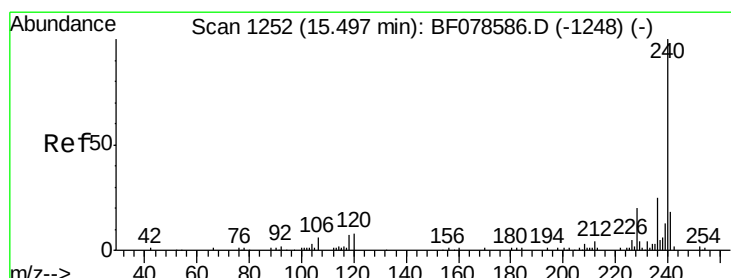
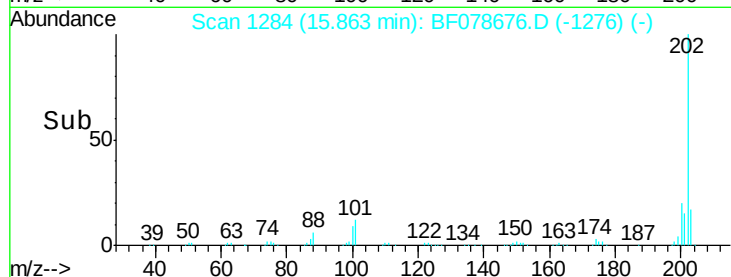
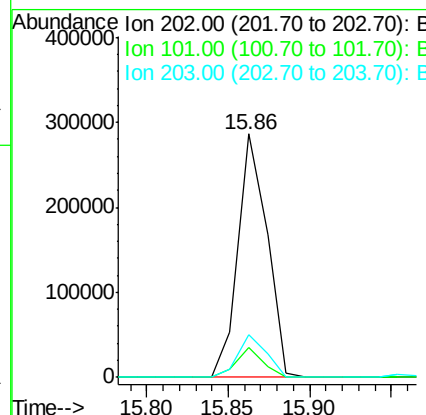
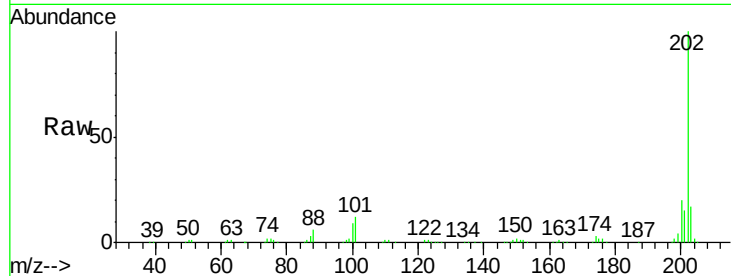
#74
 Fluoranthene
 Concen: 206.47 ng
 RT: 15.86 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: BF078676.D
 Acq: 21 Apr 2015 9:32

Instrument :
 BNA_F
 ClientSampleId :
 S2-1-4DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.2	0.0	35.2
203	17.4	0.0	38.5

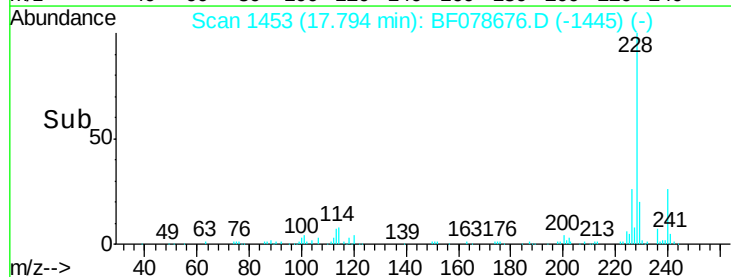
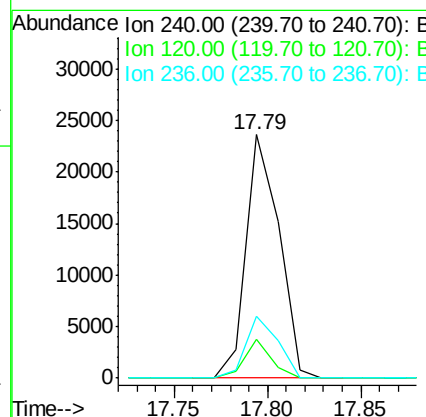
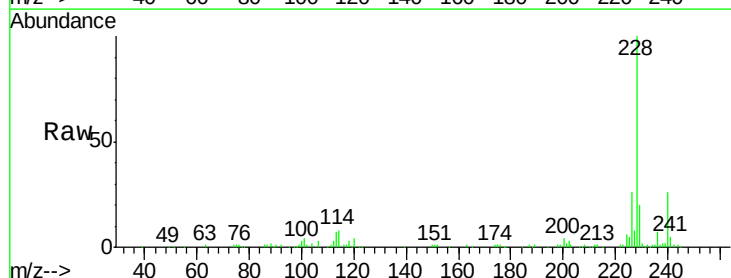
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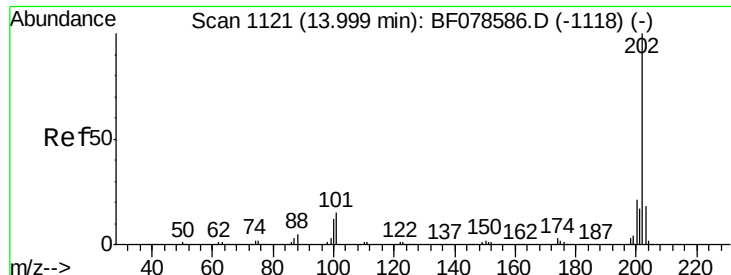
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 17.79 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF078676.D
 Acq: 21 Apr 2015 9:32

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	16.2	7.1	10.7#
236	25.6	21.4	32.2





#77

Pvrene

Concen: 169.12 ng

RT: 16.17 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF078676.D

Acq: 21 Apr 2015 9:32

Instrument :

BNA_F

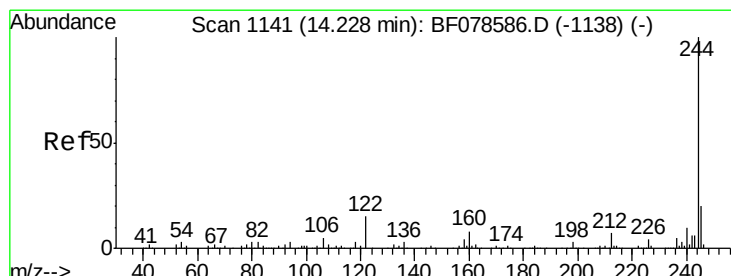
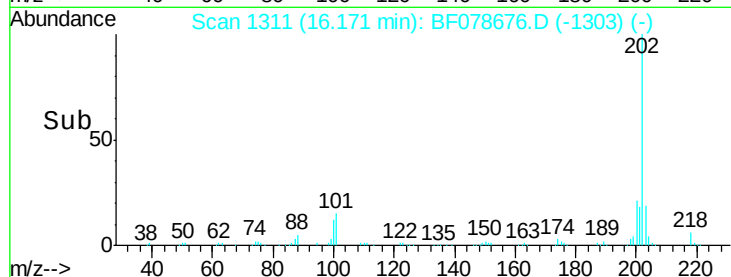
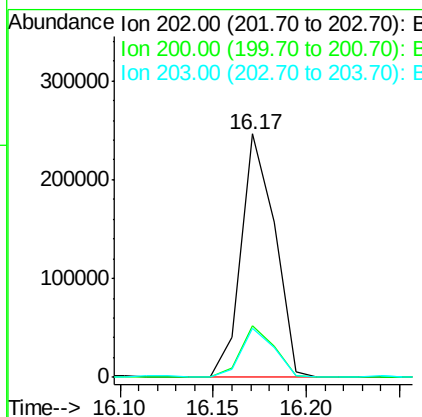
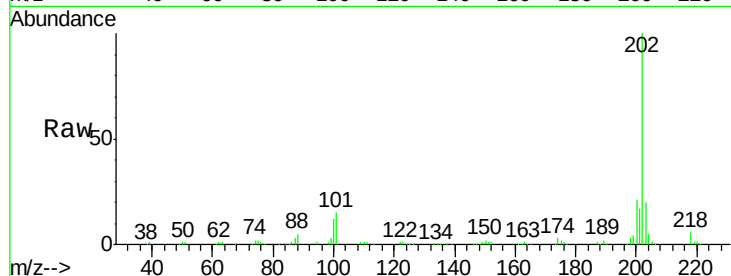
ClientSampleId :

S2-1-4DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	21.4	16.3	24.5		
203	20.1	13.8	20.6		

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#78

Terphenyl-d14

Concen: 10.91 ng

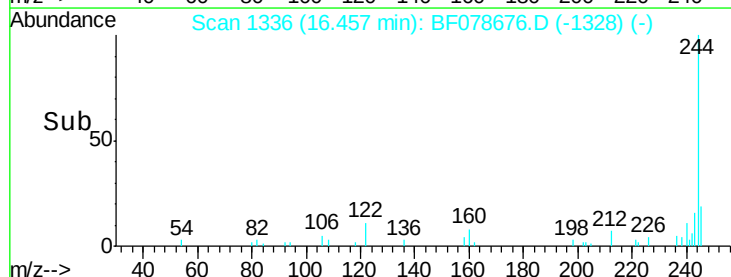
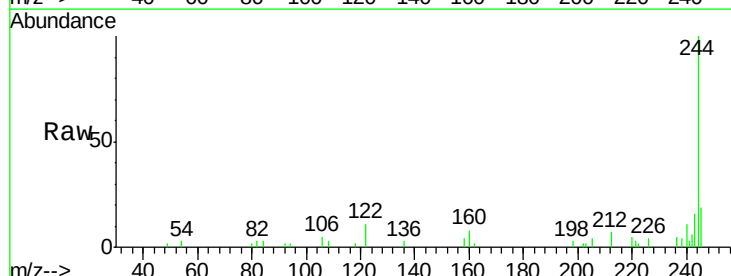
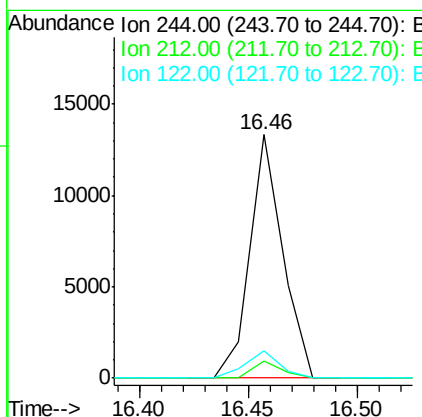
RT: 16.46 min Scan# 1336

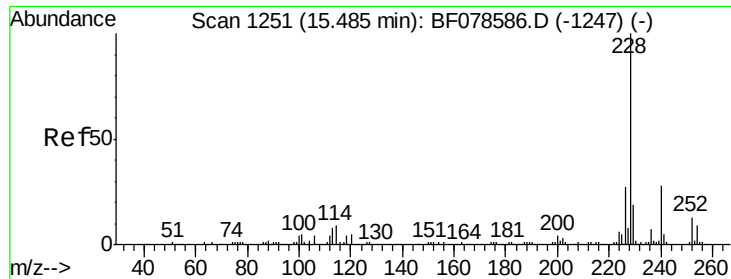
Delta R.T. -0.01 min

Lab File: BF078676.D

Acq: 21 Apr 2015 9:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100				
212	6.9	5.0	7.4		
122	11.3	7.1	10.7#		





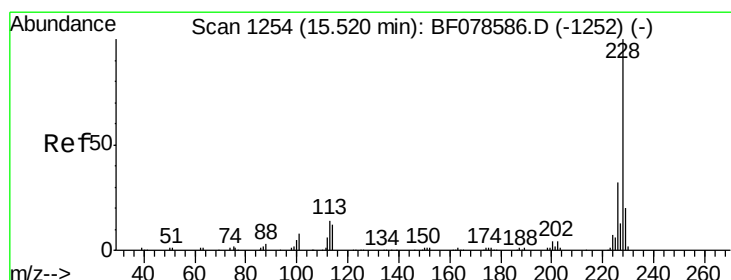
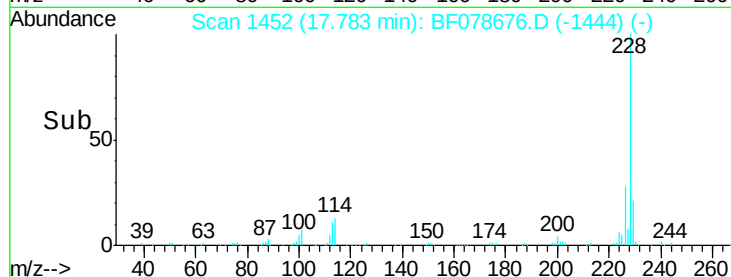
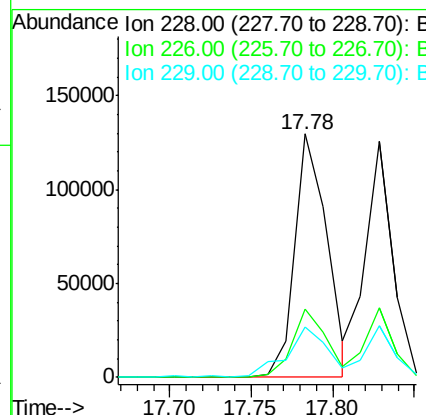
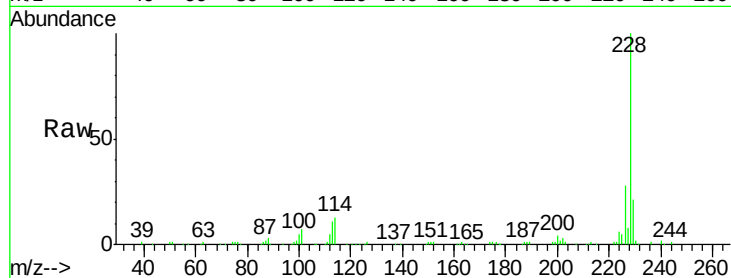
#80
Benzo(a)anthracene
Concen: 104.10 ng
RT: 17.78 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF078676.D
Acq: 21 Apr 2015 9:32

Instrument :
BNA_F
ClientSampleId :
S2-1-4DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.3	31.9
229	20.9	15.4	23.2

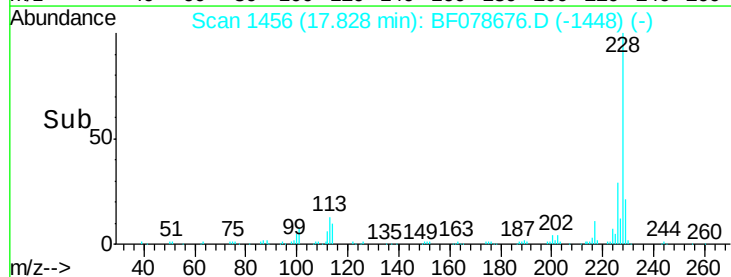
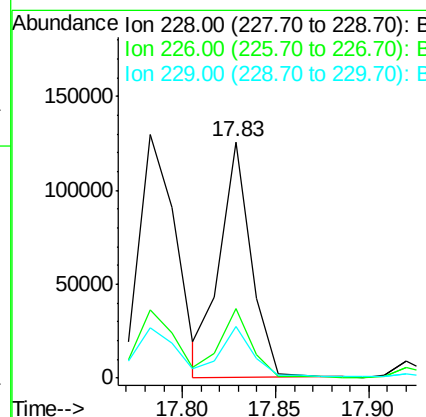
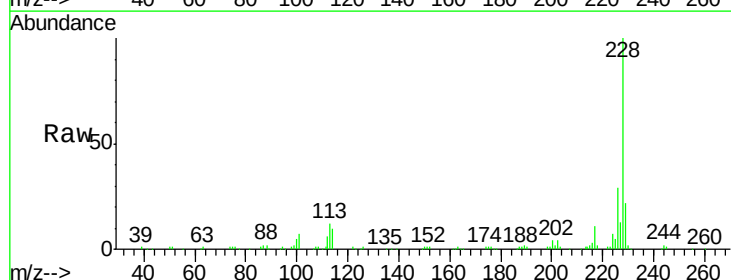
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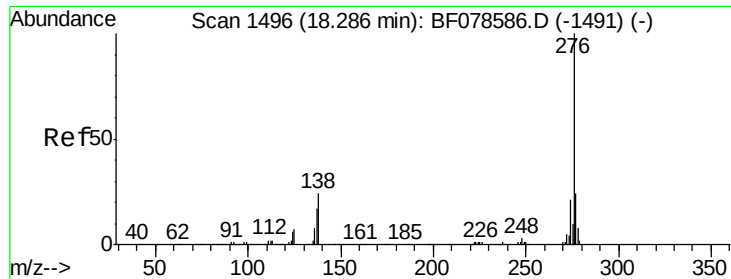
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#82
Chrysene
Concen: 90.20 ng
RT: 17.83 min Scan# 1456
Delta R.T. -0.01 min
Lab File: BF078676.D
Acq: 21 Apr 2015 9:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.2	36.4
229	21.8	15.8	23.8





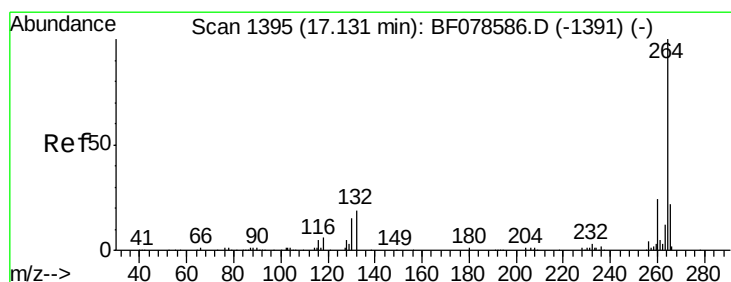
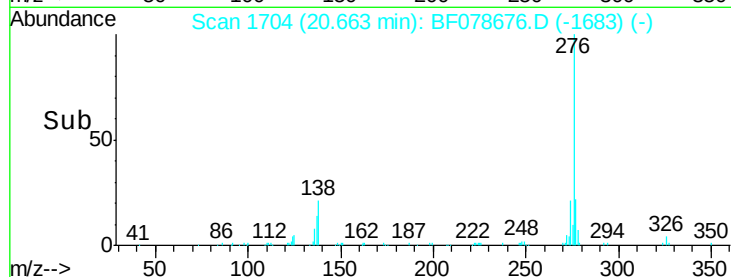
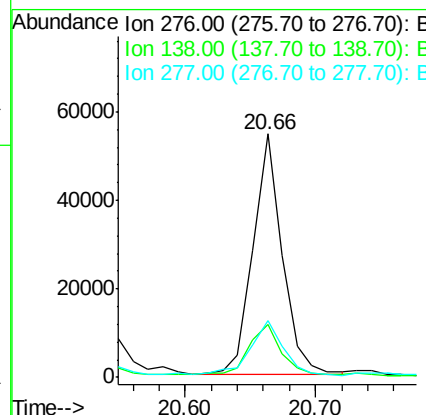
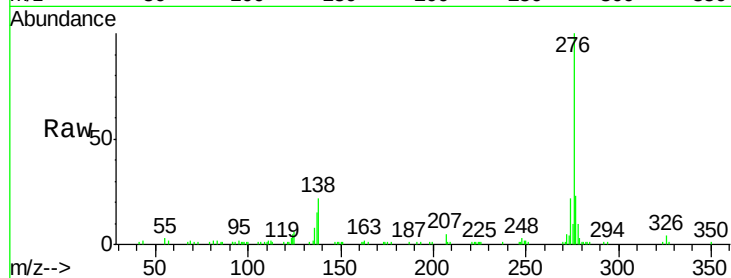
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 45.95 ng
 RT: 20.66 min Scan# 1704
 Delta R.T. -0.06 min
 Lab File: BF078676.D
 Acq: 21 Apr 2015 9:32

Instrument :
 BNA_F
 ClientSampleId :
 S2-1-4DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.2	16.9	25.3
277	27.6	15.8	23.6

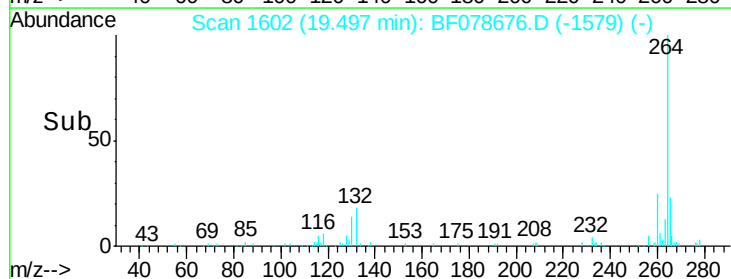
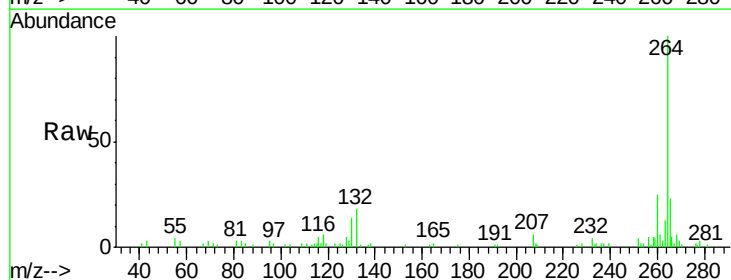
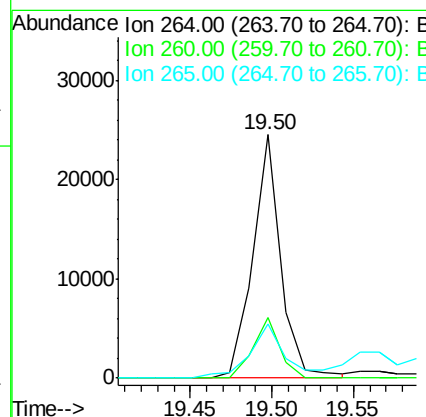
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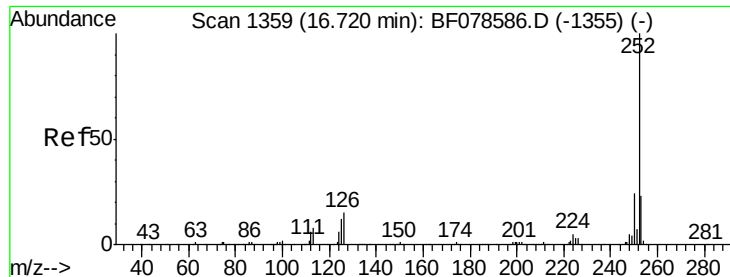
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 19.50 min Scan# 1602
 Delta R.T. -0.03 min
 Lab File: BF078676.D
 Acq: 21 Apr 2015 9:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	18.6	27.8
265	22.5	17.0	25.6





#87

Benzo(b)fluoranthene

Concen: 112.88 ng m

RT: 19.07 min Scan# 1565

Delta R.T. -0.02 min

Lab File: BF078676.D

Acq: 21 Apr 2015 9:32

Instrument :

BNA_F

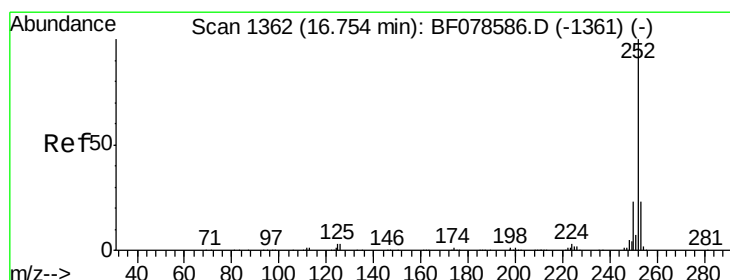
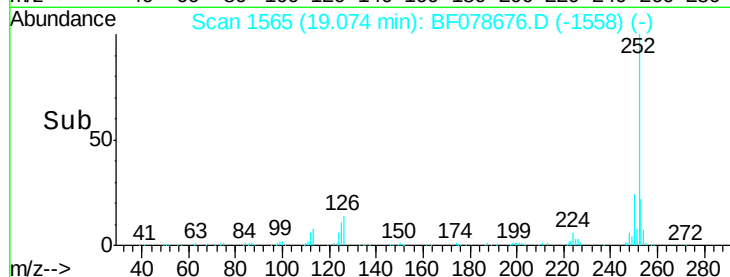
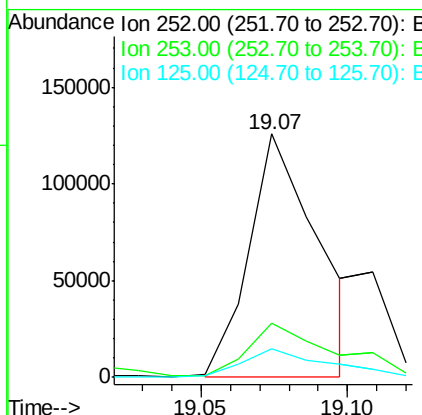
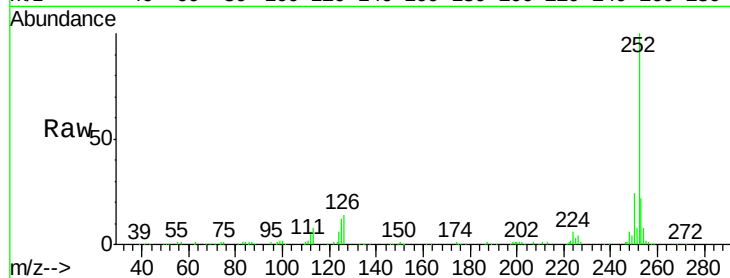
ClientSampleId :

S2-1-4DL

Tot Ion:	252	Resp:	204019
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.2	25.8
125	11.7	7.0	10.4#

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#88

Benzo(k)fluoranthene

Concen: 27.79 ng m

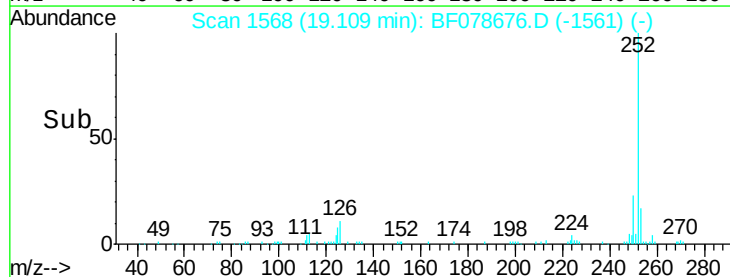
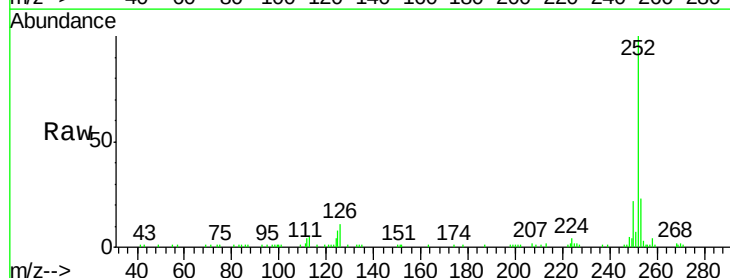
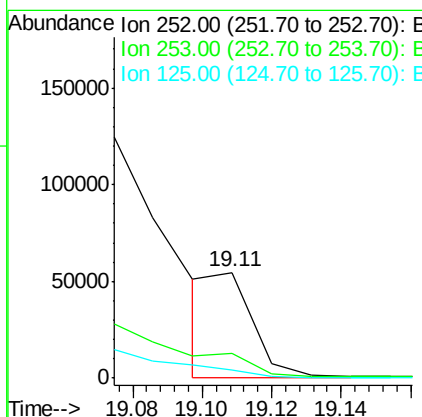
RT: 19.11 min Scan# 1568

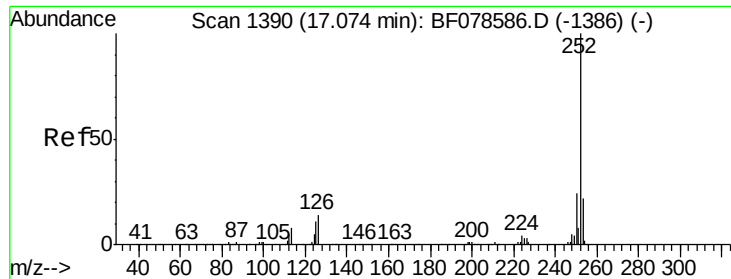
Delta R.T. -0.02 min

Lab File: BF078676.D

Acq: 21 Apr 2015 9:32

Tgt Ion:	252	Resp:	44633
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.5	26.3
125	8.2	11.6	17.4#





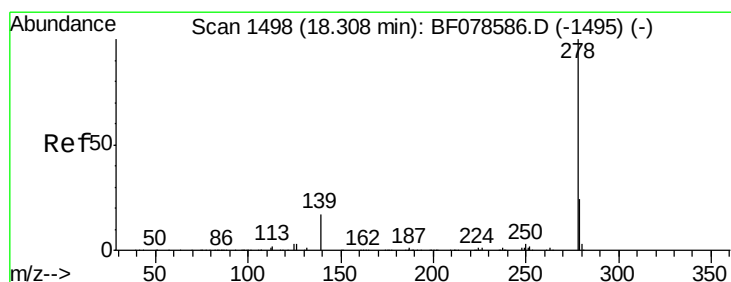
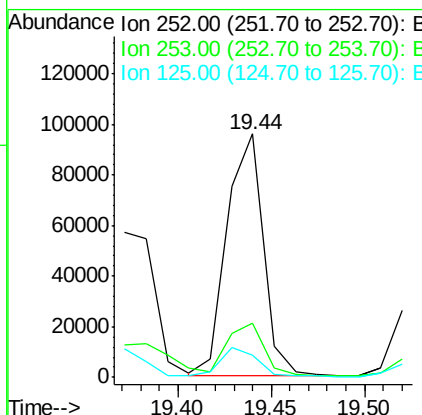
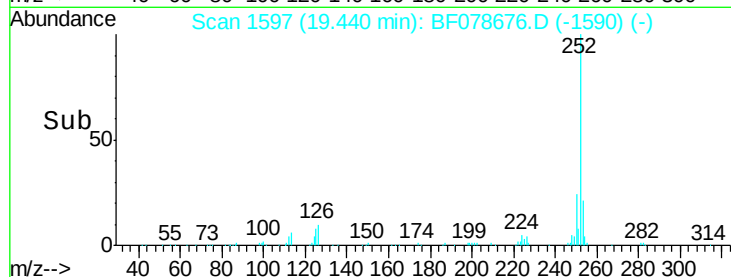
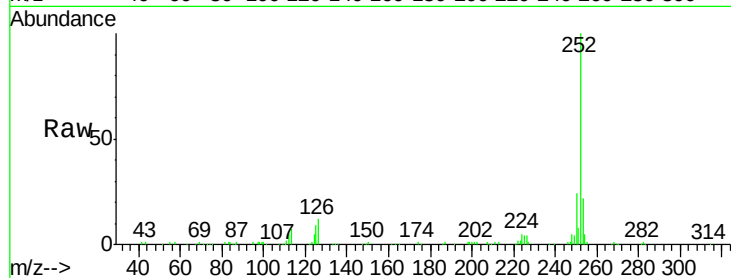
#89
Benzo(a)pyrene
Concen: 82.62 ng
RT: 19.44 min Scan# 1597
Delta R.T. -0.02 min
Lab File: BF078676.D
Acq: 21 Apr 2015 9:32

Instrument :
BNA_F
ClientSampleId :
S2-1-4DL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.4	16.8	25.2
125	9.3	7.4	11.0

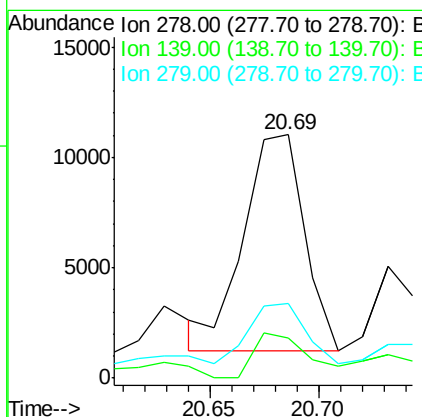
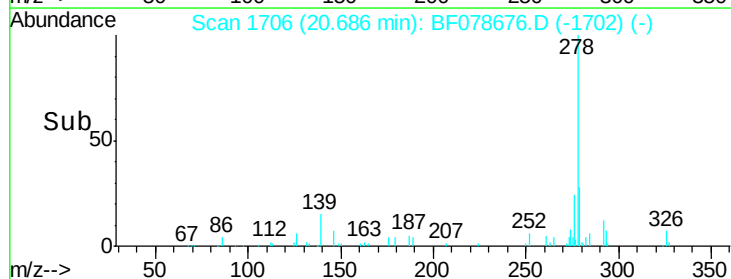
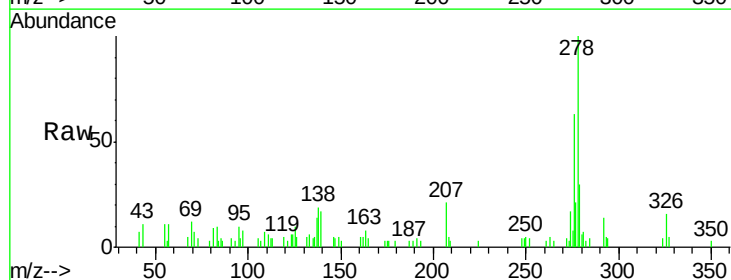
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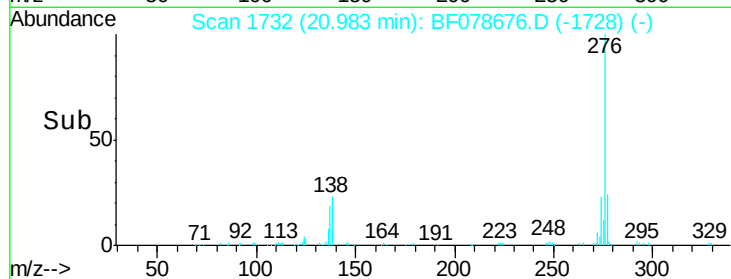
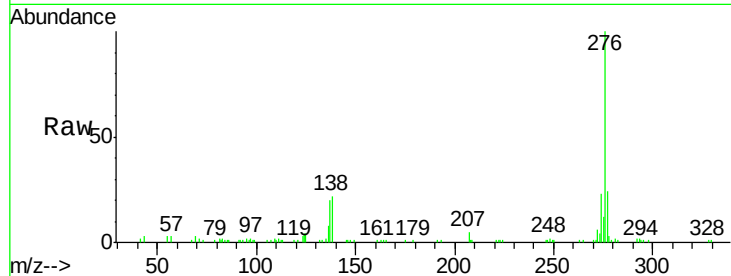
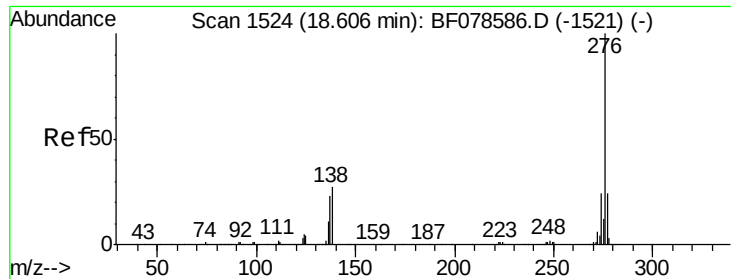
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#90
Dibenzo(a,h)anthracene
Concen: 12.09 ng
RT: 20.69 min Scan# 1706
Delta R.T. -0.06 min
Lab File: BF078676.D
Acq: 21 Apr 2015 9:32

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	16.7	13.6	20.4
279	30.4	19.0	28.6#





#91

Benzo(a,h,i)perylene

Concen: 49.83 ng

RT: 20.98 min Scan# 1732

Delta R.T. -0.06 min

Lab File: BF078676.D

Acq: 21 Apr 2015 9:32

Instrument :

BNA_F

ClientSampleId :

S2-1-4DL

Tot Ion:	276	Resp:	78903
Ion Ratio		Lower	Upper
276	100		
277	24.4	19.0	28.4
138	22.4	19.9	29.9

Manual Integrations
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