

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
 Data File : BM013995.D
 Acq On : 30 Jan 2018 13:46
 Operator : SJ/JU
 Sample : J1243-11DL 5X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6B34DL

Manual Integrations
 APPROVED

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 1/30/2018 6:08:18 PM

Quant Time: Jan 30 15:13:35 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 30 07:49:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	74987	20.00	ng/ul	0.00
18) Naphthalene-d8	10.34	136	304633	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	239033	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	534684	20.00	ng/ul	0.00
75) Chrysene-d12	21.18	240	643179	20.00	ng/ul	0.00
83) Perylene-d12	23.36	264	644453	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	673	0.35	ng/uL	0.00
5) Phenol-d5	6.76	99	25024m	4.35	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	17048	4.89	ng/ul	0.00
9) 2-Chlorophenol-d4	7.12	132	21249	4.53	ng/ul	0.01
13) 4-Methylphenol-d8	8.30	113	20545	4.64	ng/ul	0.02
19) Nitrobenzene-d5	8.73	128	12097	5.12	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	11434	4.58	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.99	165	24694	5.12	ng/ul	0.02
29) 4-Chloroaniline-d4	10.52	131	21172	5.06	ng/ul	0.02
43) Dimethylphthalate-d6	13.64	166	110976	5.63	ng/ul	0.00
46) Acenaphthylene-d8	13.91	160	125715	5.00	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	681	0.21	ng/ul	0.00
57) Fluorene-d10	15.22	176	103250	5.96	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	9036	2.81	ng/ul	0.02
70) Anthracene-d10	17.07	188	165296m	6.35	ng/ul	0.00
76) Pyrene-d10	19.38	212	202885	6.78	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.22	264	194360	6.56	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.40	128	6117092	403.623	ng/ul	100
34) 2-Methylnaphthalene	12.02	142	3004020	265.858	ng/ul	95
40) 1,1'-Biphenyl	13.05	154	715509	35.961	ng/ul	99
44) Dimethylphthalate	13.69	163	23583	1.218	ng/ul#	92
47) Acenaphthylene	13.95	152	31520	1.371	ng/ul#	72
49) Acenaphthene	14.29	153	1996512	125.414	ng/ul	99
53) Dibenzofuran	14.63	168	2844784	118.786	ng/ul	97
58) Fluorene	15.28	166	1662766	84.759	ng/ul	99
68) Pentachlorophenol	16.64	266	126827	35.110	ng/ul	97
69) Phenanthrene	17.03	178	12679922	426.633	ng/ul	97
71) Anthracene	17.12	178	1408948	45.961	ng/ul	98
72) Carbazole	17.39	167	277978	10.985	ng/ul	98
74) Fluoranthene	19.05	202	7353320	207.268	ng/ul#	94
77) Pyrene	19.41	202	4602109	117.699	ng/ul#	94
80) Benzo(a)anthracene	21.16	228	936256	24.090	ng/ul	99
82) Chrysene	21.22	228	705763	19.795	ng/ul	99
85) Benzo(b)fluoranthene	22.72	252	472296	11.933	ng/ul#	99
86) Benzo(k)fluoranthene	22.76	252	147881m	3.866	ng/ul	
88) Benzo(a)pyrene	23.27	252	242036	6.474	ng/ul#	99
89) Indeno(1,2,3-cd)pyrene	25.54	276	68737	1.557	ng/ul#	90
91) Benzo(a,h,i)perylene	26.21	276	44927	1.237	ng/ul	93

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ALS Vial : 40 Sample Multiplier: 1

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ClientSampleId :
F6B34DL

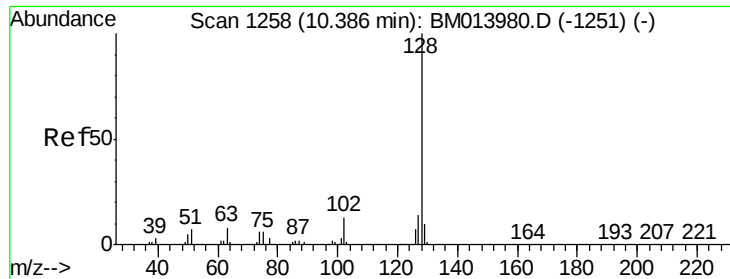
Manual Integrations
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Quant Time: Jan 30 15:13:35 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 30 07:49:34 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



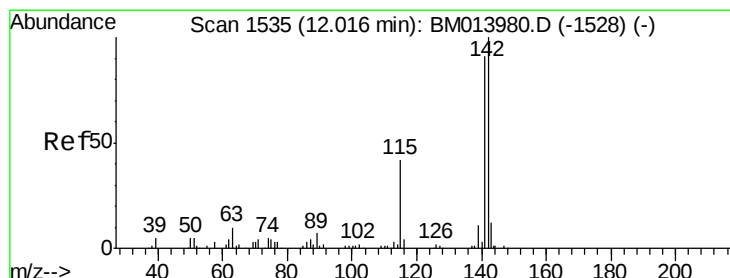
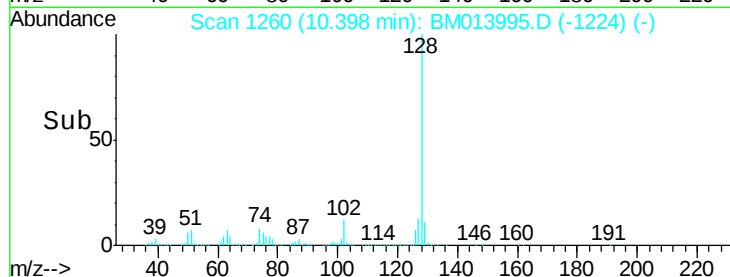
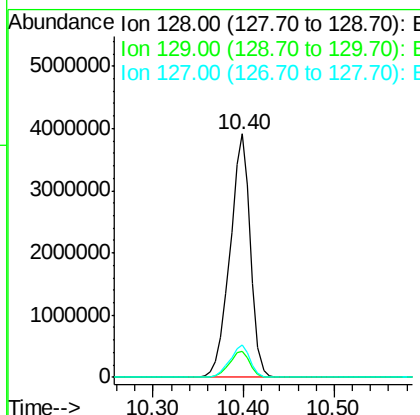
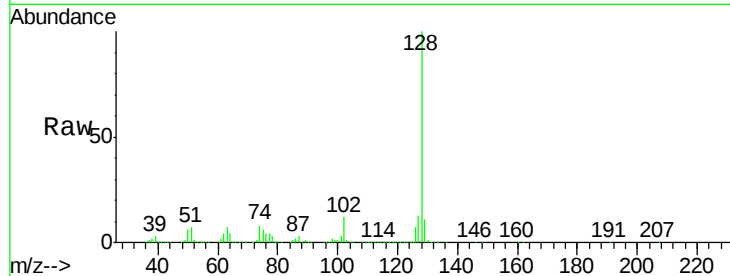
#28
Naphthalene
Concen: 403.623 ng/ul
RT: 10.40 min Scan# 1260
Delta R.T. 0.01 min
Lab File: BM013995.D
Acq: 30 Jan 2018 13:46

Instrument :
BNA_M
ClientSampled :
F6B34DL

Tot Ion:128 Resp: 6117092
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 13.3 10.6 16.0

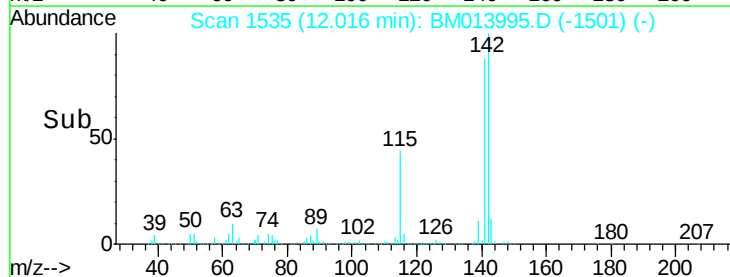
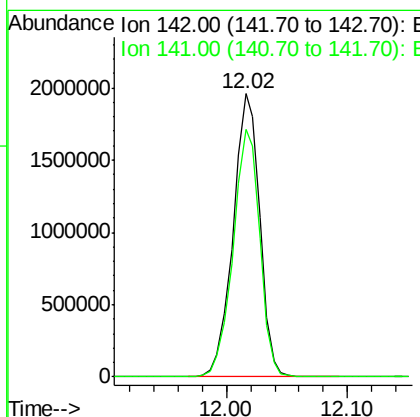
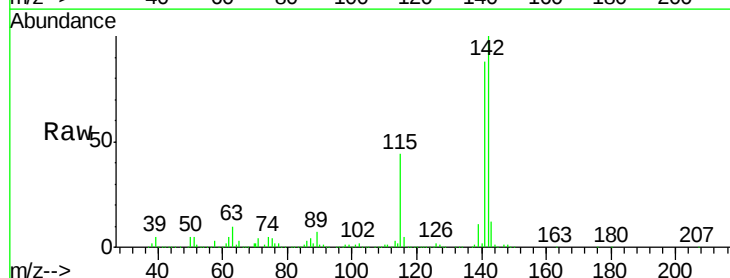
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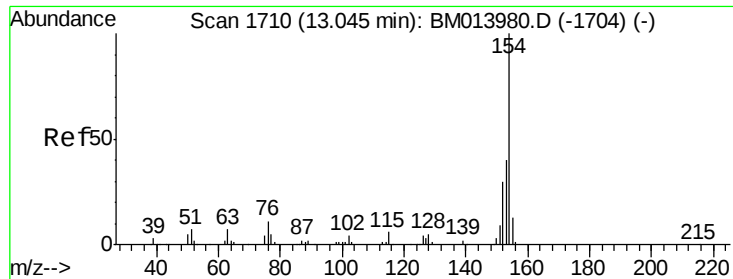
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#34
2-Methylnaphthalene
Concen: 265.858 ng/ul
RT: 12.02 min Scan# 1535
Delta R.T. 0.00 min
Lab File: BM013995.D
Acq: 30 Jan 2018 13:46

Tgt Ion:142 Resp: 3004020
Ion Ratio Lower Upper
142 100
141 87.6 74.1 111.1





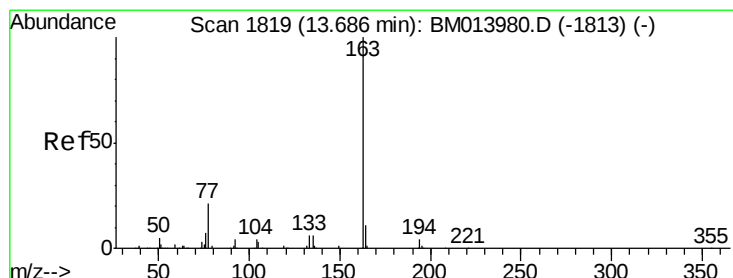
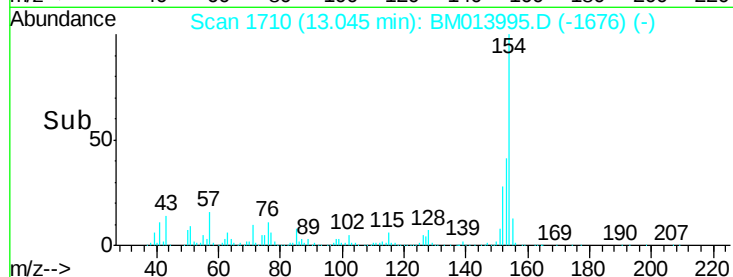
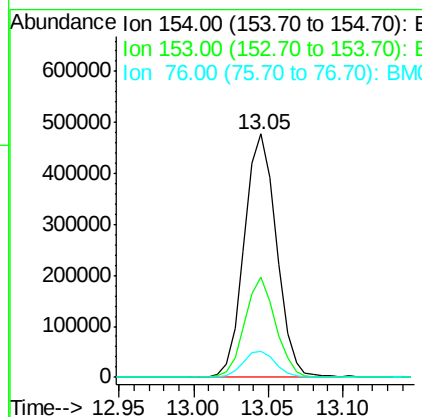
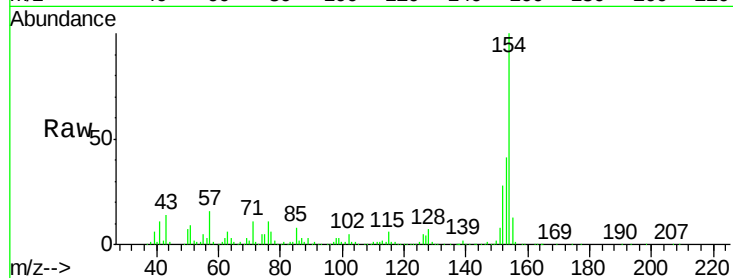
#40
1,1'-Biphenyl
Concen: 35.961 ng/ul
RT: 13.05 min Scan# 1710
Delta R.T. 0.00 min
Lab File: BM013995.D
Acq: 30 Jan 2018 13:46

Instrument :
BNA_M
ClientSampleId :
F6B34DL

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	41.2	32.6	48.8	
76	10.7	8.5	12.7	

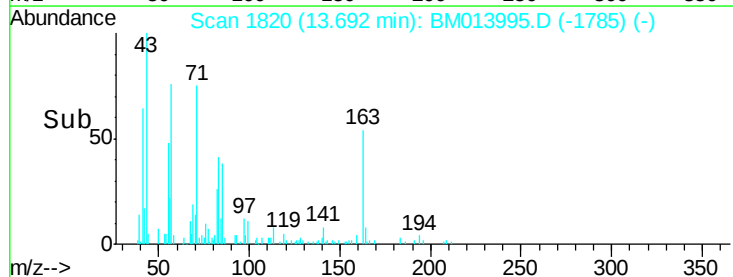
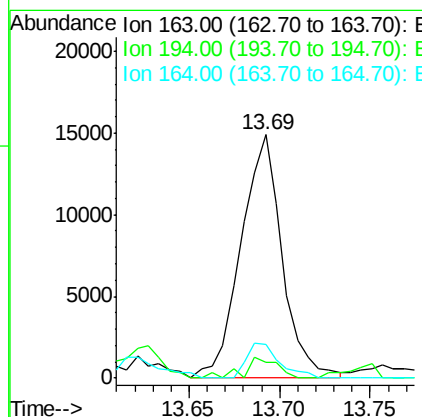
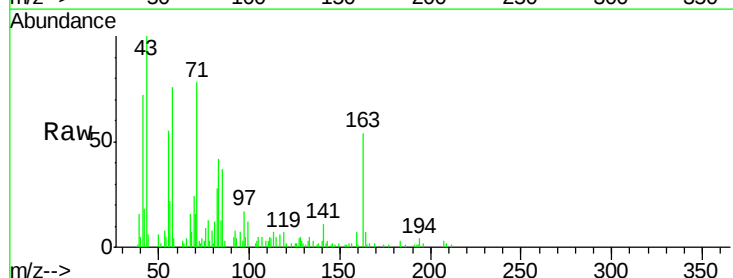
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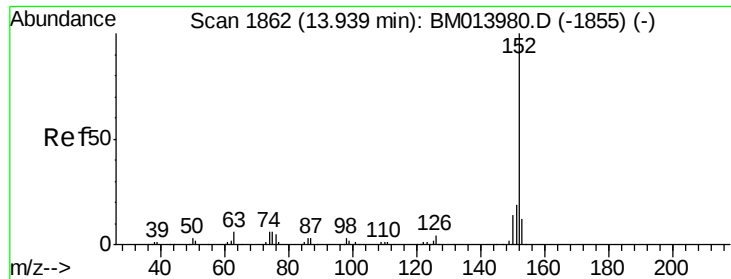
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#44
Dimethylphthalate
Concen: 1.218 ng/ul
RT: 13.69 min Scan# 1820
Delta R.T. 0.01 min
Lab File: BM013995.D
Acq: 30 Jan 2018 13:46

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	6.6	3.5	5.3#	
164	13.6	8.2	12.4#	





#47

Acenaphthylene

Concen: 1.371 ng/ul

RT: 13.95 min Scan# 1863

Delta R.T. 0.01 min

Lab File: BM013995.D

Acq: 30 Jan 2018 13:46

Instrument :

BNA_M

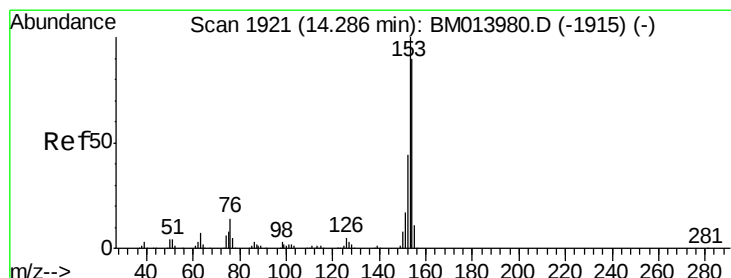
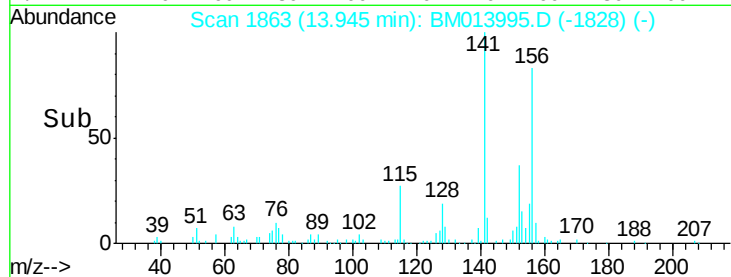
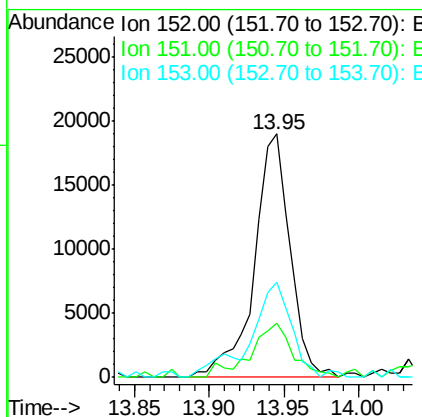
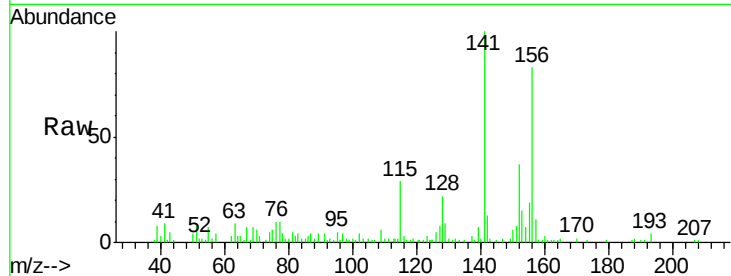
ClientSampled :

F6B34DL

Tot Ion:	152	Resp:	31520
Ion Ratio	Lower	Upper	
152	100		
151	22.4	16.3	24.5
153	39.1	10.2	15.4#

Manual Integrations
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#49

Acenaphthene

Concen: 125.414 ng/ul

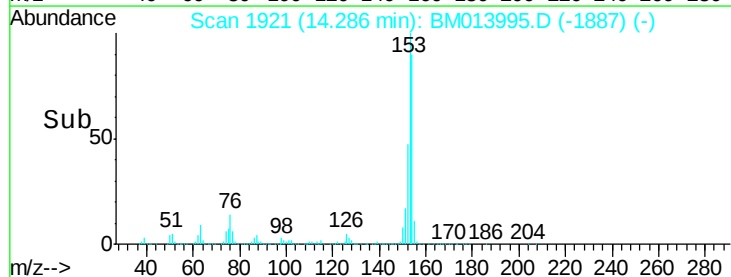
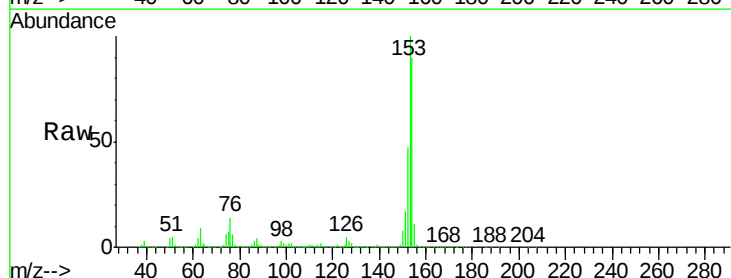
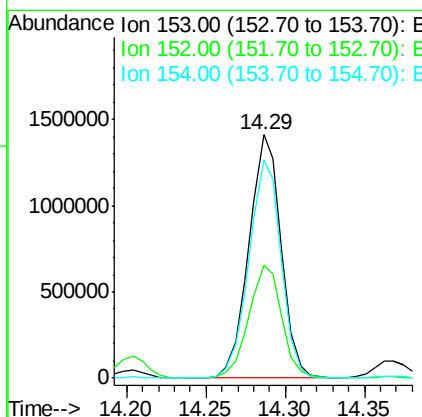
RT: 14.29 min Scan# 1921

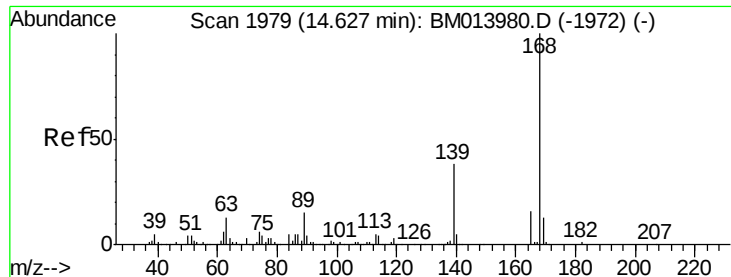
Delta R.T. 0.00 min

Lab File: BM013995.D

Acq: 30 Jan 2018 13:46

Tgt Ion:	153	Resp:	1996512
Ion Ratio	Lower	Upper	
153	100		
152	46.7	37.6	56.4
154	89.5	70.4	105.6





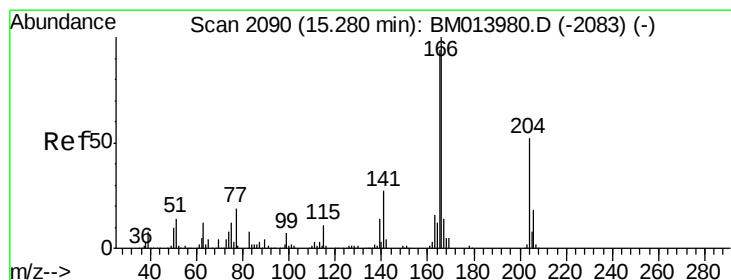
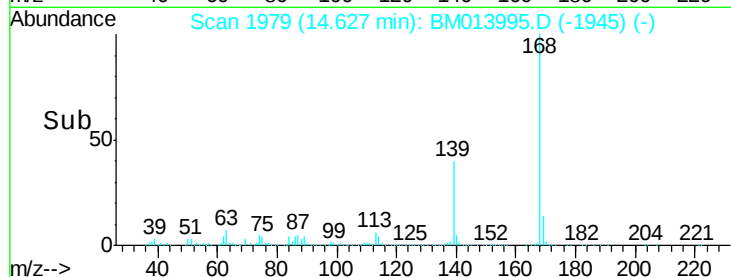
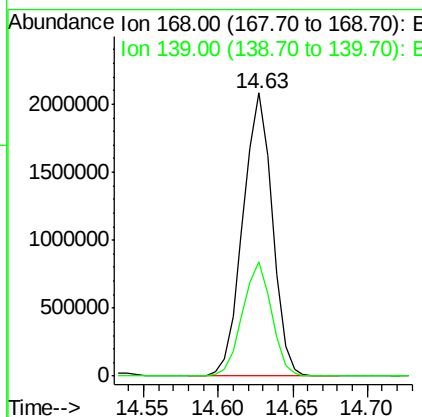
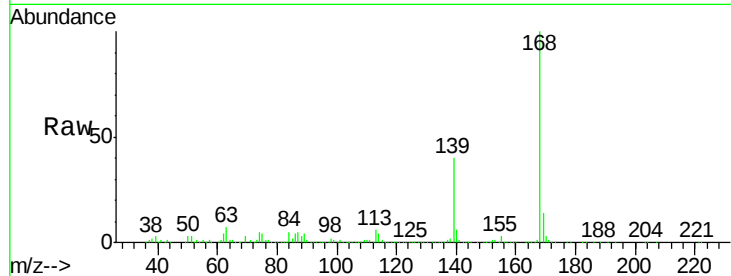
#53
Dibenzenofuran
Concen: 118.786 ng/ul
RT: 14.63 min Scan# 1979
Delta R.T. 0.00 min
Lab File: BM013995.D
Acq: 30 Jan 2018 13:46

Instrument :
BNA_M
ClientSampleId :
F6B34DL

Tot Ion:168 Resp: 2844784
Ion Ratio Lower Upper
168 100
139 40.3 30.8 46.2

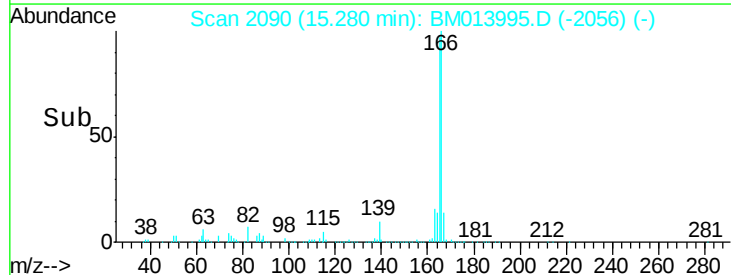
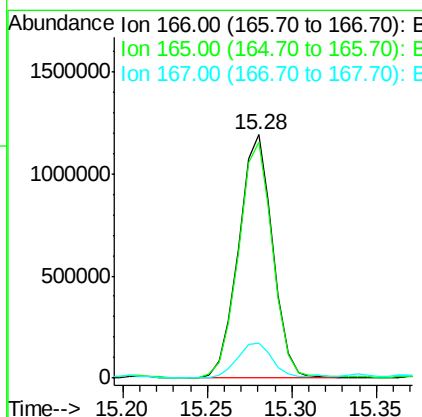
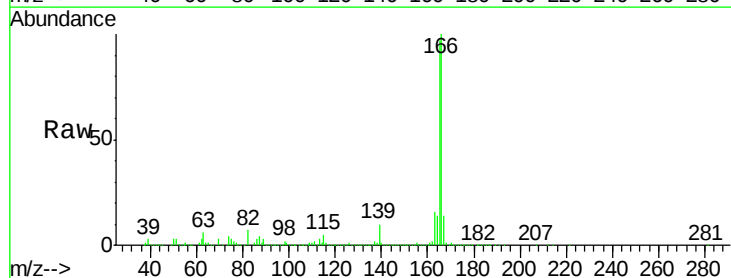
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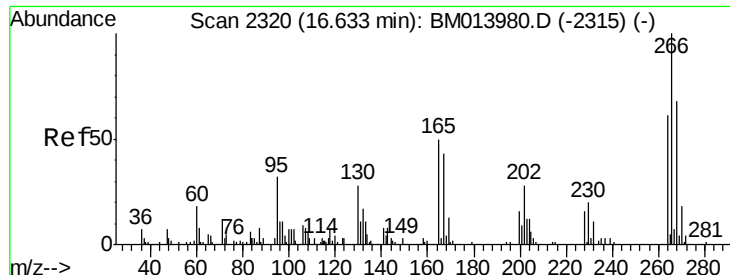
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#58
Fluorene
Concen: 84.759 ng/ul
RT: 15.28 min Scan# 2090
Delta R.T. 0.00 min
Lab File: BM013995.D
Acq: 30 Jan 2018 13:46

Tgt Ion:166 Resp: 1662766
Ion Ratio Lower Upper
166 100
165 97.0 77.9 116.9
167 14.2 10.6 16.0





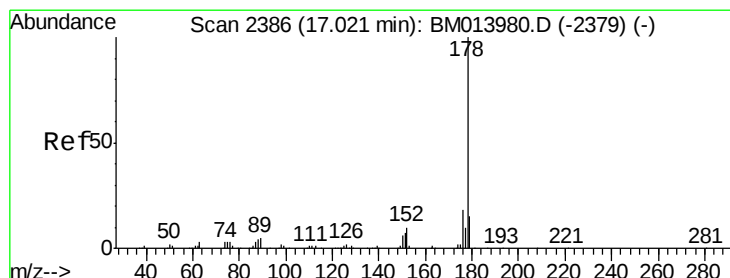
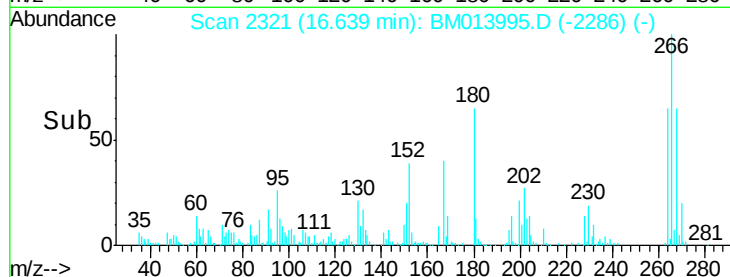
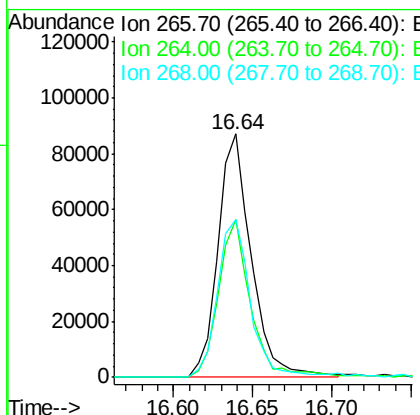
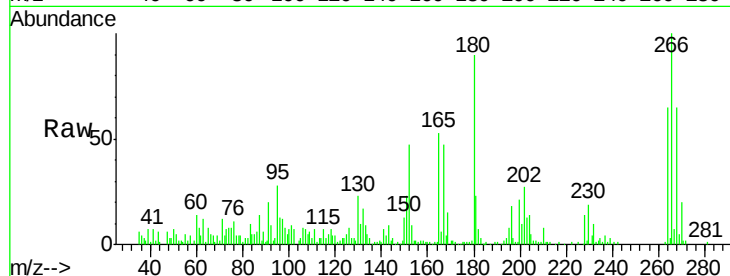
#68
 Pentachlorophenol
 Concen: 35.110 ng/ul
 RT: 16.64 min Scan# 2321
 Delta R.T. 0.01 min
 Lab File: BM013995.D
 Acq: 30 Jan 2018 13:46

Instrument :
 BNA_M
 ClientSampleId :
 F6B34DL

Tot Ion	Ratio	Resp	Lower	Upper
266	100	126827		
264	65.0	49.3	73.9	
268	65.1	52.6	78.8	

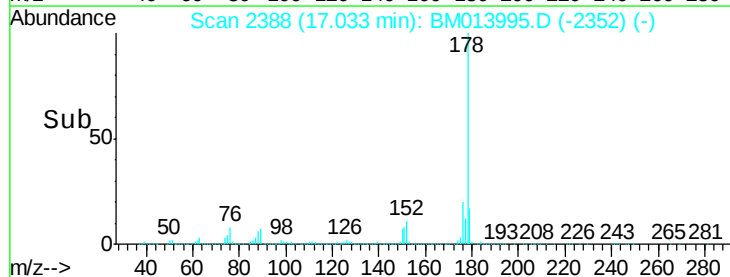
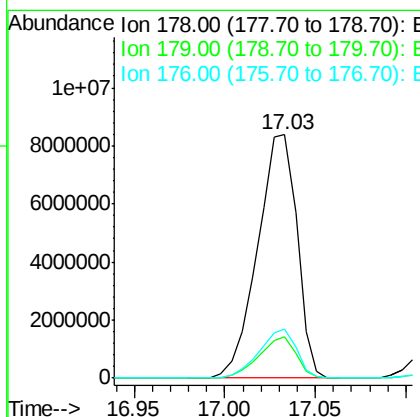
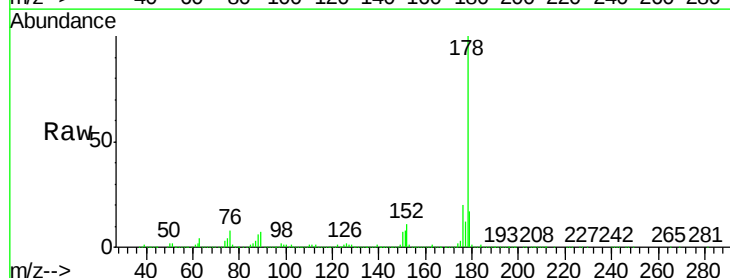
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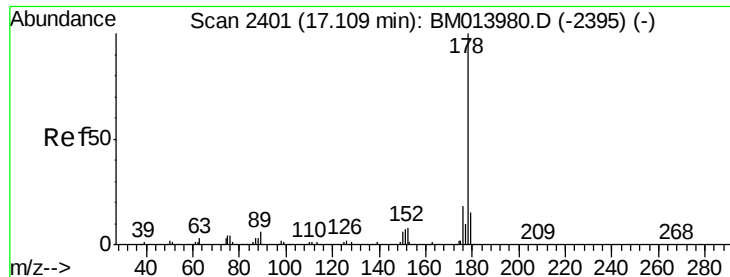
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#69
 Phenanthrene
 Concen: 426.633 ng/ul
 RT: 17.03 min Scan# 2388
 Delta R.T. 0.01 min
 Lab File: BM013995.D
 Acq: 30 Jan 2018 13:46

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	12679922		
179	16.7	12.6	19.0	
176	20.4	14.9	22.3	





#71

Anthracene

Concen: 45.961 ng/ul

RT: 17.12 min Scan# 2402

Delta R.T. 0.01 min

Lab File: BM013995.D

Acq: 30 Jan 2018 13:46

Instrument :

BNA_M

ClientSampleID :

F6B34DL

Tot Ion:178 Resp: 1408948

Ion Ratio Lower Upper

178 100

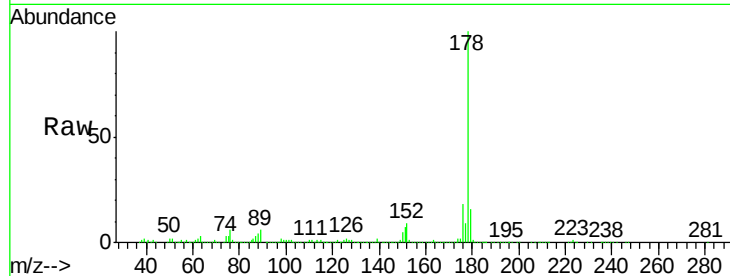
179 16.3 11.7 17.5

176 18.3 14.6 21.8

Manual Integrations
APPROVED

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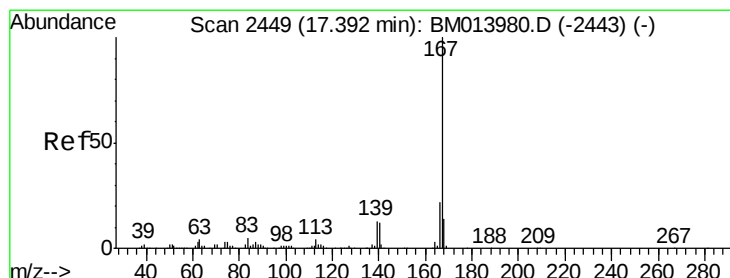
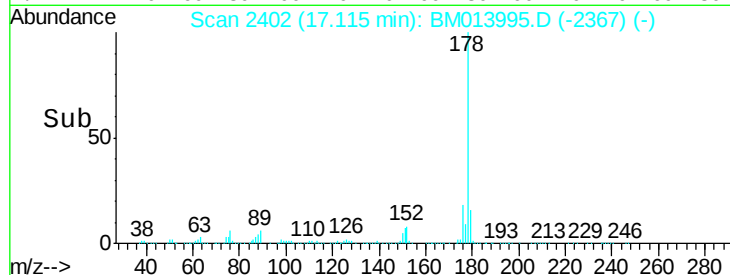
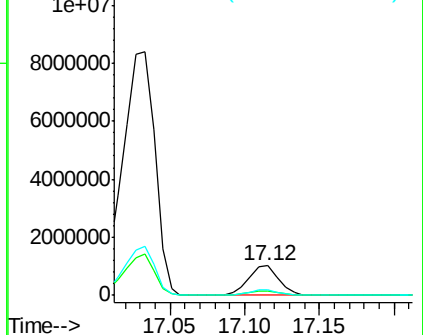
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Carbazole

Concen: 10.985 ng/ul

RT: 17.39 min Scan# 2449

Delta R.T. 0.00 min

Lab File: BM013995.D

Acq: 30 Jan 2018 13:46

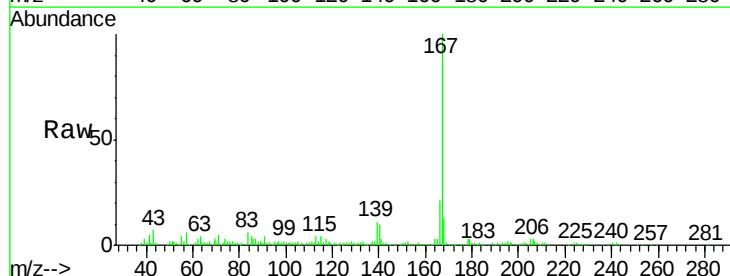
Tgt Ion:167 Resp: 277978

Ion Ratio Lower Upper

167 100

166 20.5 17.1 25.7

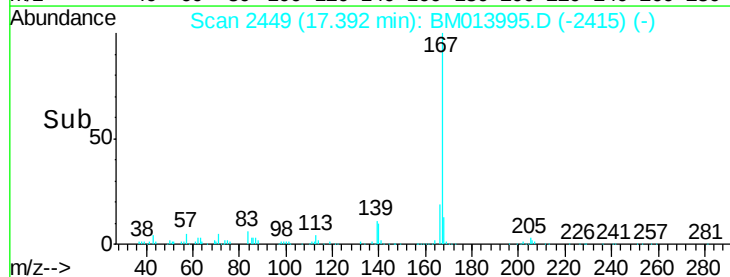
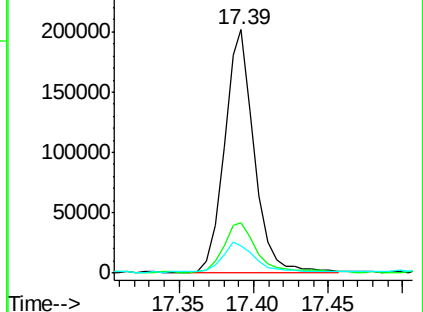
139 11.5 10.0 15.0

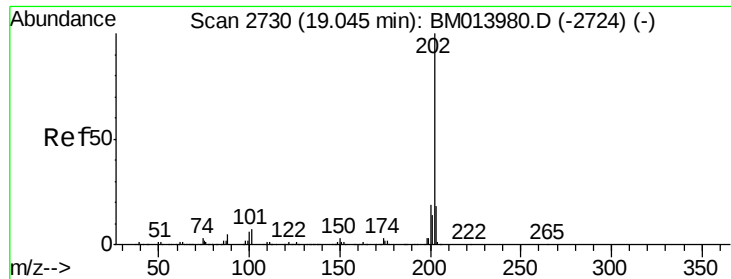


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 207.268 ng/ul

RT: 19.05 min Scan# 2731

Delta R.T. 0.01 min

Lab File: BM013995.D

Acq: 30 Jan 2018 13:46

Instrument :

BNA_M

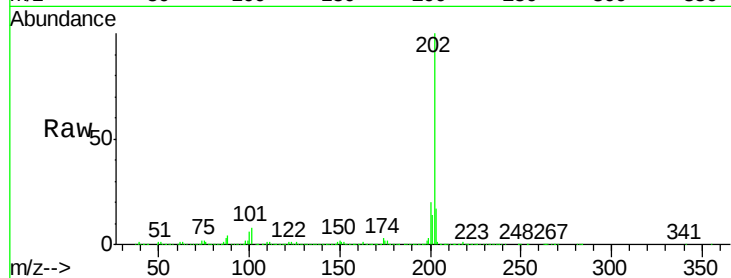
ClientSampleId :

F6B34DL

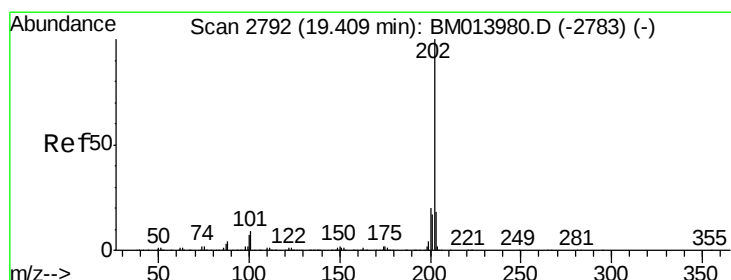
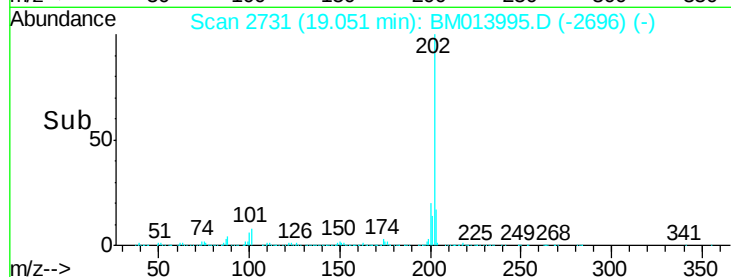
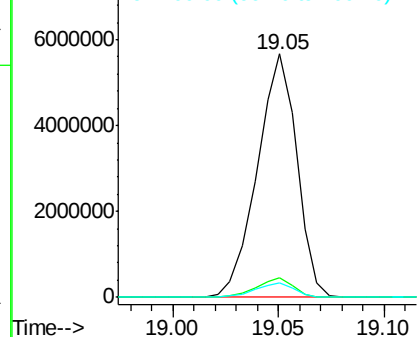
Tot Ion:	202	Resp:	7353320
Ion Ratio	Lower	Upper	
202	100		
101	7.9	4.6	7.0#
100	6.1	3.4	5.2#

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 117.699 ng/ul

RT: 19.41 min Scan# 2792

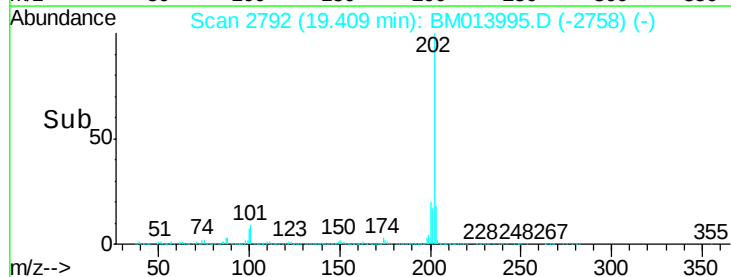
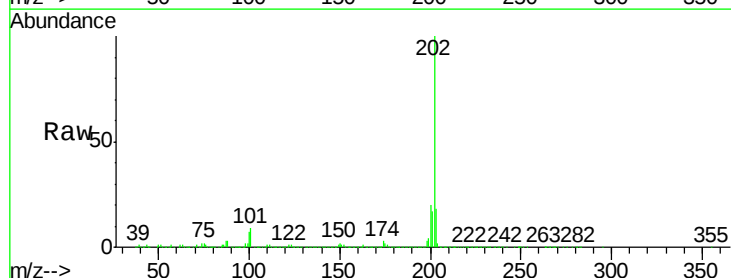
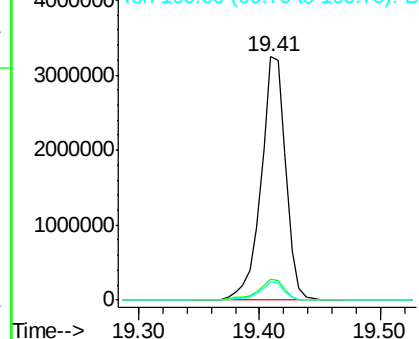
Delta R.T. 0.00 min

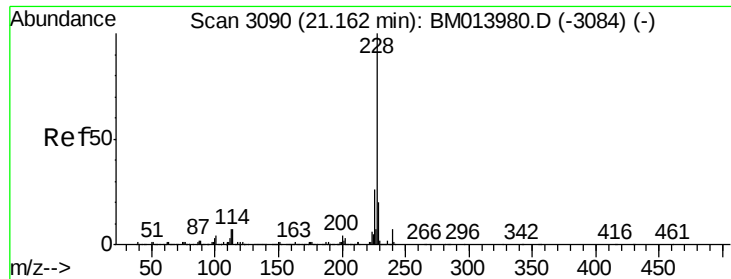
Lab File: BM013995.D

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Tgt Ion:	202	Resp:	4602109
Ion Ratio	Lower	Upper	
202	100		
101	8.8	5.1	7.7#
100	7.4	4.9	7.3#

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B





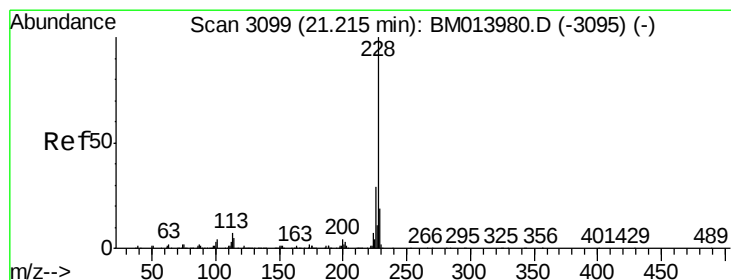
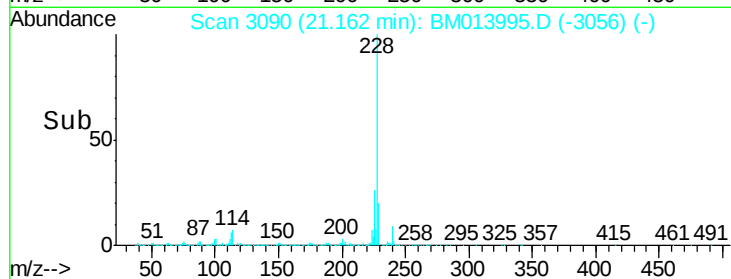
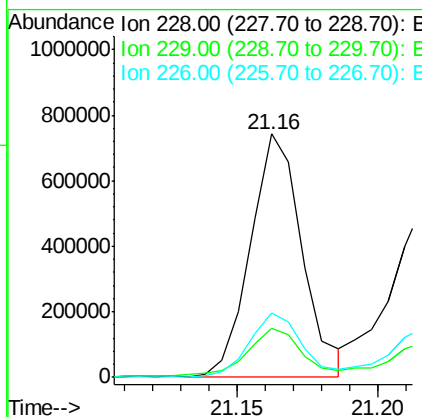
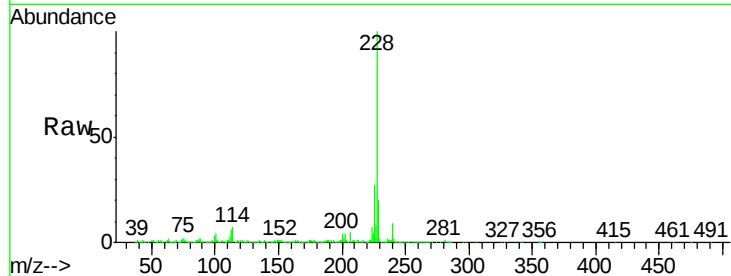
#80
Benzo(a)anthracene
Concen: 24.090 ng/ul
RT: 21.16 min Scan# 3090
Delta R.T. 0.00 min
Lab File: BM013995.D
Acq: 30 Jan 2018 13:46

Instrument :
BNA_M
ClientSampled :
F6B34DL

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.2	15.4	23.0
226	26.7	21.4	32.0

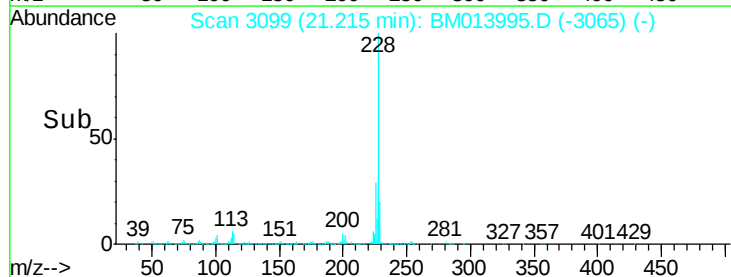
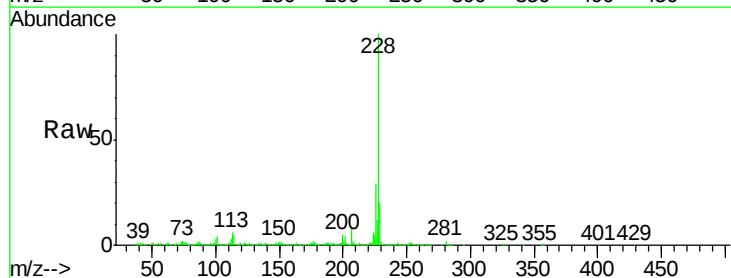
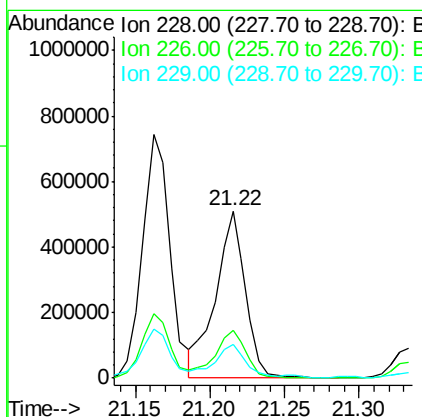
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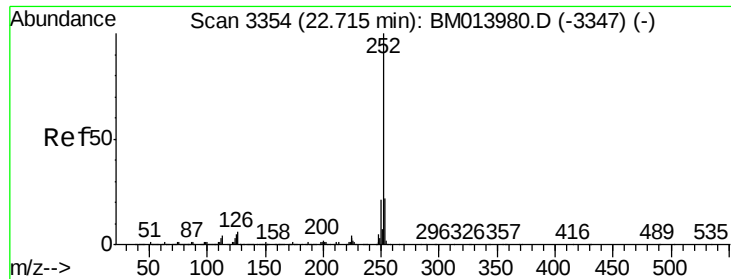
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#82
Chrysene
Concen: 19.795 ng/ul
RT: 21.22 min Scan# 3099
Delta R.T. 0.00 min
Lab File: BM013995.D
Acq: 30 Jan 2018 13:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.4	35.2
229	20.2	15.5	23.3





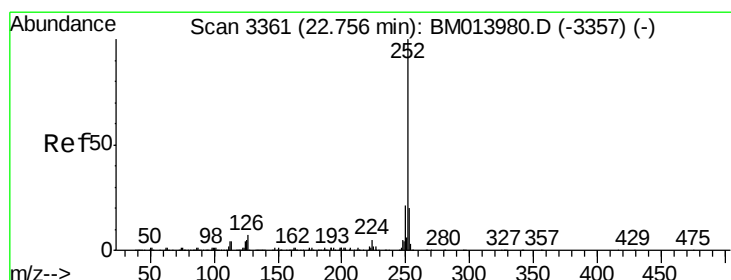
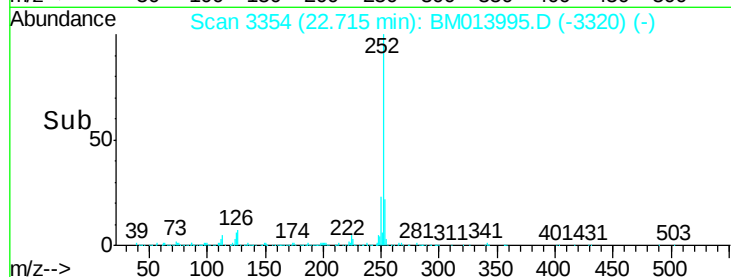
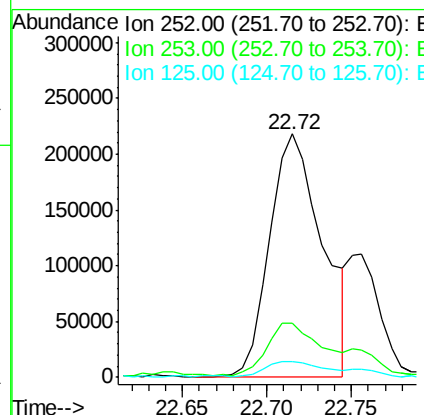
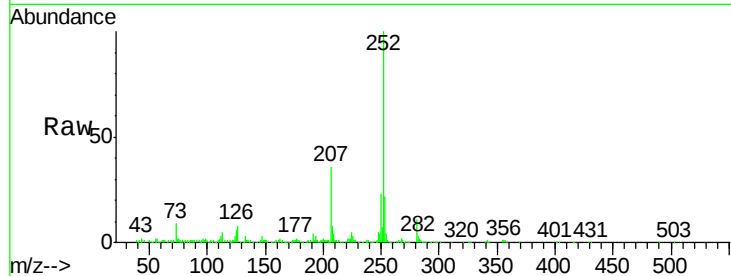
#85
Benzo(b)fluoranthene
Concen: 11.933 ng/ul
RT: 22.72 min Scan# 3354
Delta R.T. 0.00 min
Lab File: BM013995.D
Acq: 30 Jan 2018 13:46

Instrument :
BNA_M
ClientSampled :
F6B34DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	6.3	3.6	5.4

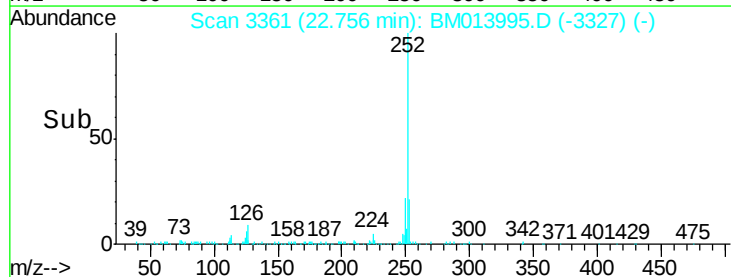
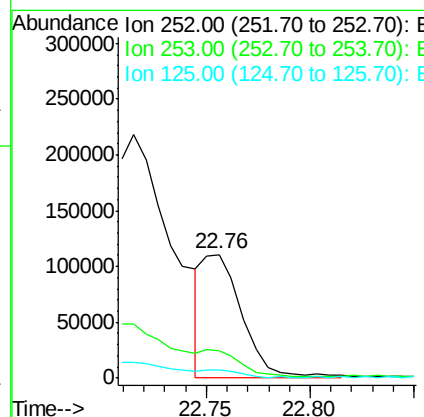
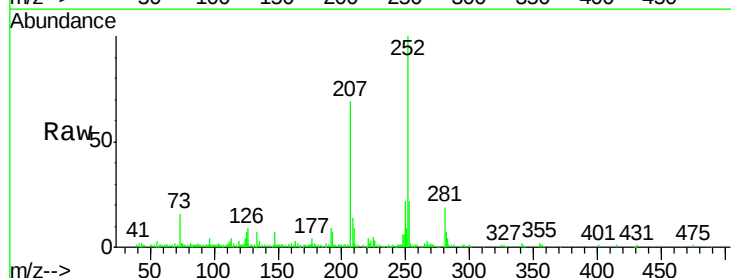
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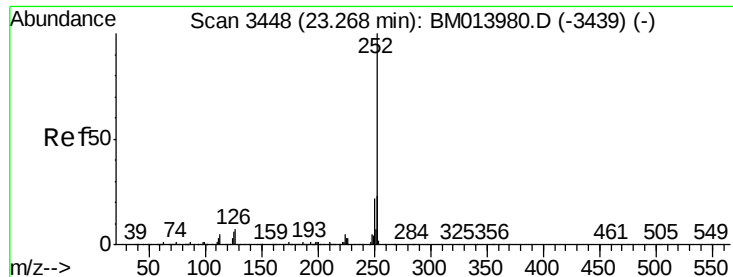
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#86
Benzo(k)fluoranthene
Concen: 3.866 ng/ul m
RT: 22.76 min Scan# 3361
Delta R.T. 0.00 min
Lab File: BM013995.D
Acq: 30 Jan 2018 13:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	6.9	3.4	5.2





#88

Benzo(a)pyrene

Concen: 6.474 ng/ul

RT: 23.27 min Scan# 3448

Delta R.T. 0.00 min

Lab File: BM013995.D

Acq: 30 Jan 2018 13:46

Instrument :

BNA_M

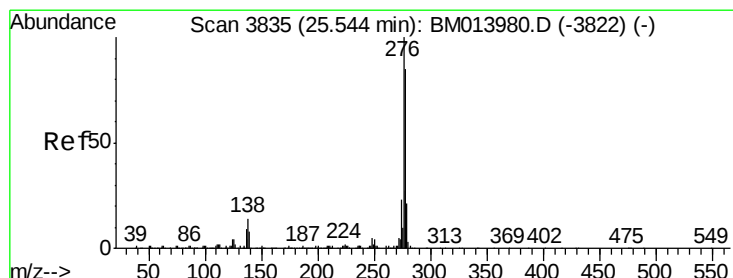
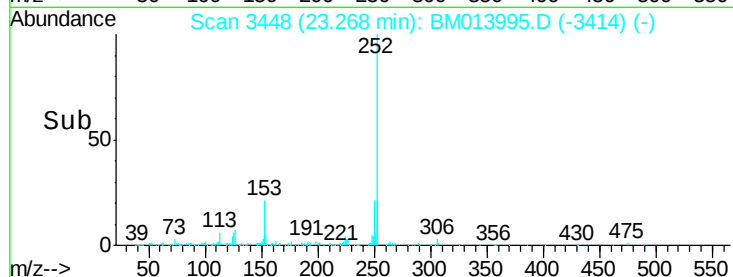
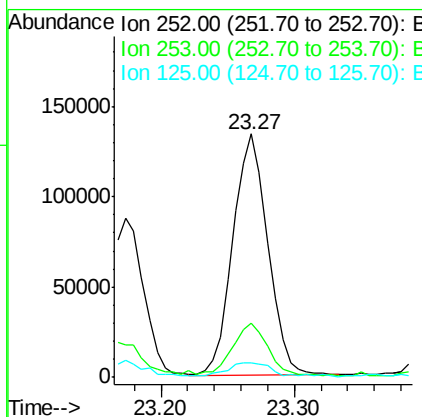
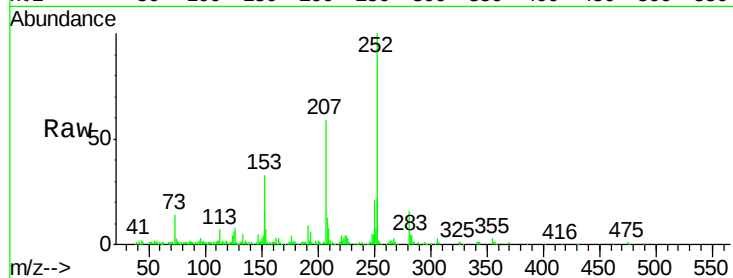
ClientSampleId :

F6B34DL

Tot Ion:	252	Resp:	242036
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.2	27.2
125	6.1	4.0	6.0#

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#89

Indeno(1,2,3-cd)pyrene

Concen: 1.557 ng/ul

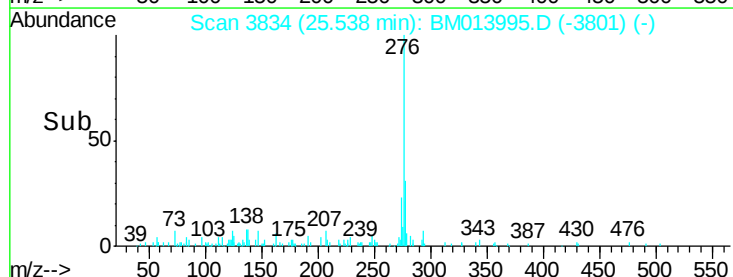
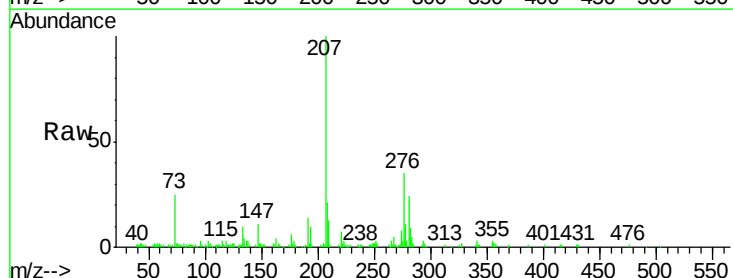
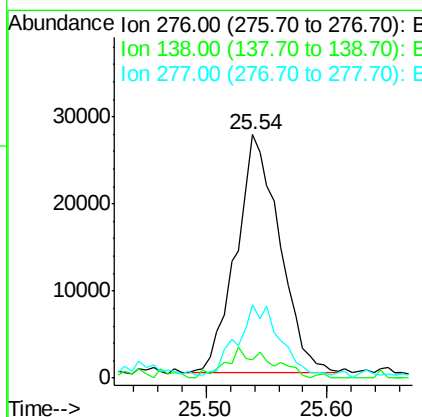
RT: 25.54 min Scan# 3834

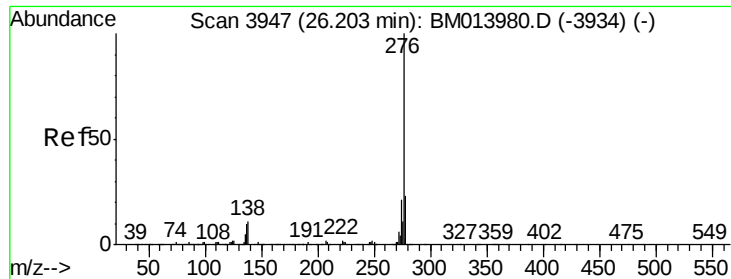
Delta R.T. -0.01 min

Lab File: BM013995.D

Acq: 30 Jan 2018 13:46

Tgt Ion:	276	Resp:	68737
Ion Ratio	Lower	Upper	
276	100		
138	7.5	9.3	13.9#
277	30.1	19.9	29.9#





#91
 Benzo(a,h,i)perylene
 Concen: 1.237 ng/ul
 RT: 26.21 min Scan# 3948
 Delta R.T. 0.01 min
 Lab File: BM013995.D
 Acq: 30 Jan 2018 13:46

Instrument :
 BNA_M
 ClientSampleId :
 F6B34DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	11.8	8.5	12.7
277	27.6	18.6	28.0

Manual Integrations
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