

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
 Data File : BM020802.D
 Acq On : 07 Jun 2019 14:01
 Operator : HP/JU
 Sample : K3201-20
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AD1

Manual Integrations
 APPROVED

mohammad
 6/14/2019 8:41:42 AM

Quant Time: Jun 16 01:09:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jun 08 00:20:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	249220	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	979815	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	528942	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	1115100	20.00	ng/ul	0.00
77) Chrysene-d12	21.39	240	1104219	20.00	ng/ul	0.01
85) Perylene-d12	23.67	264	1296257	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	43280	8.28	ng/uL	0.00
5) Phenol-d5	6.97	99	702046	36.82	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	485205	42.44	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	656687	43.24	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	520590	33.93	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	319488	47.77	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	350984	50.98	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	628875	43.80	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	689335	39.86	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	1872542	47.86	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	2313210	46.63	ng/ul	0.00
51) 4-Nitrophenol-d4	14.65	143	201692	30.04	ng/ul	0.00
57) Fluorene-d10	15.44	176	1535014	46.17	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.57	200	103384	18.13	ng/ul	0.00
70) Anthracene-d10	17.30	188	2297883	47.18	ng/ul	0.00
78) Pyrene-d10	19.59	212	2361580	44.25	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.53	264	2634460	44.72	ng/ul	0.02

Target Compounds

					Ovalue	
6) Phenol	7.00	94	64049	3.263	ng/ul	99
14) Acetophenone	8.64	105	27831	1.174	ng/ul	96
28) Naphthalene	10.66	128	136036	2.956	ng/ul	98
34) 2-Methylnaphthalene	12.27	142	117923	3.489	ng/ul	97
44) Dimethylphthalate	13.91	163	659295	16.829	ng/ul	99
47) Acenaphthylene	14.17	152	303130	6.315	ng/ul	98
49) Acenaphthene	14.52	153	510468	15.235	ng/ul	99
53) Dibenzofuran	14.85	168	527189	11.123	ng/ul	98
58) Fluorene	15.50	166	657219	17.273	ng/ul	99
69) Phenanthrene	17.24	178	9849841	175.513	ng/ul	98
71) Anthracene	17.33	178	2868829	49.871	ng/ul	100
74) Carbazole	17.60	167	662968	13.253	ng/ul	97
76) Fluoranthene	19.26	202	12826702	199.443	ng/ul	96
79) Pyrene	19.63	202	10660761	156.404	ng/ul	98
82) Benzo(a)anthracene	21.37	228	7381399	107.159	ng/ul	96
84) Chrysene	21.42	228	6106383	95.537	ng/ul	96
87) Benzo(b)fluoranthene	22.99	252	7365618	97.678	ng/ul	98
88) Benzo(k)fluoranthene	23.03	252	3021628m	41.923	ng/ul	
90) Benzo(a)pyrene	23.58	252	5356304	74.662	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	26.00	276	3236426	38.196	ng/ul	96
92) Dibenzo(a,h)anthracene	26.00	278	1053180	14.669	ng/ul#	92
93) Benzo(a,h,i)perylene	26.71	276	2153446	31.326	ng/ul	98

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

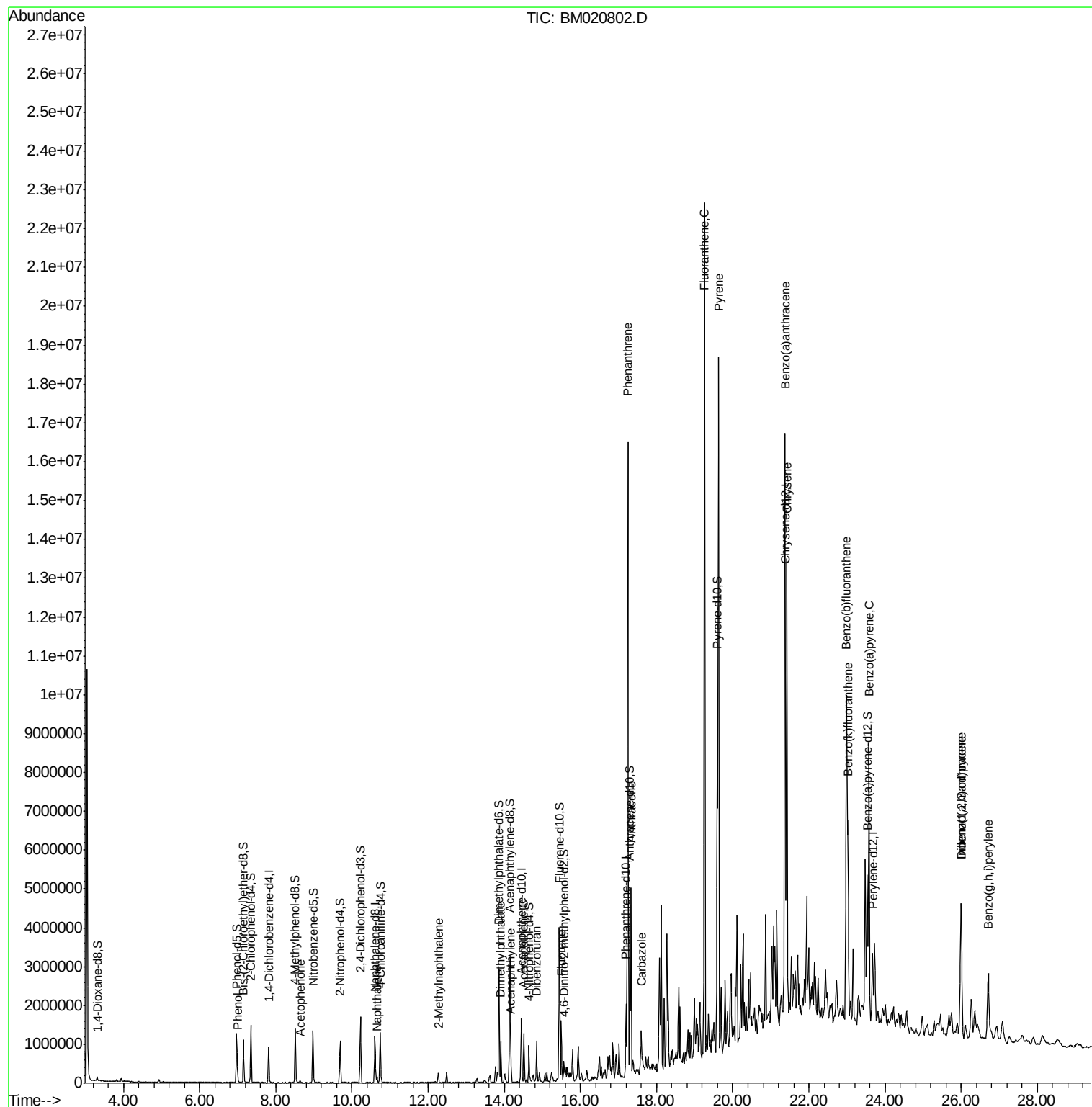
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
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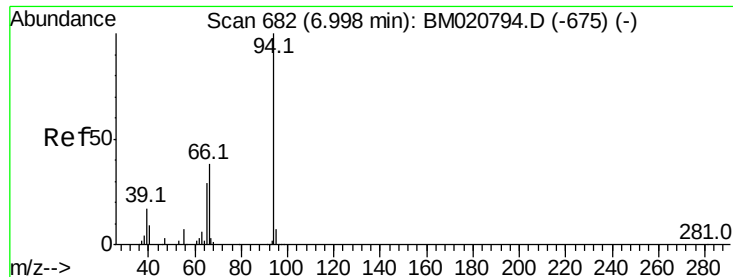
Instrument :
BNA_M
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Quant Title : SVOA CALIBRATION
QLast Update : Sat Jun 08 00:20:16 2019
Response via : Initial Calibration





#6

Phenol

Concen: 3.263 ng/ul

RT: 7.00 min Scan# 683

Delta R.T. 0.01 min

Lab File: BM020802.D

Acq: 07 Jun 2019 14:01

Instrument :

BNA_M

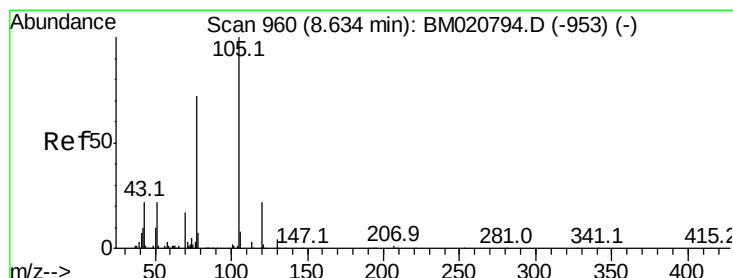
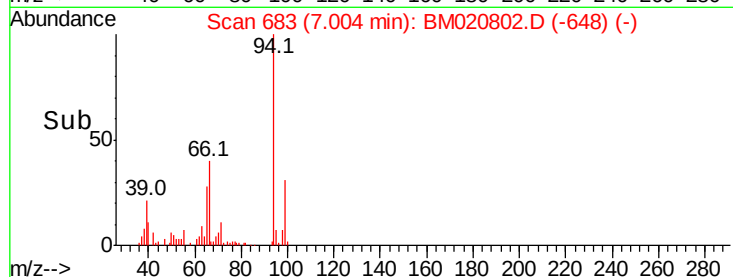
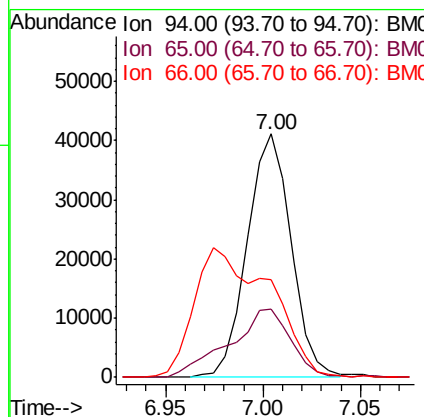
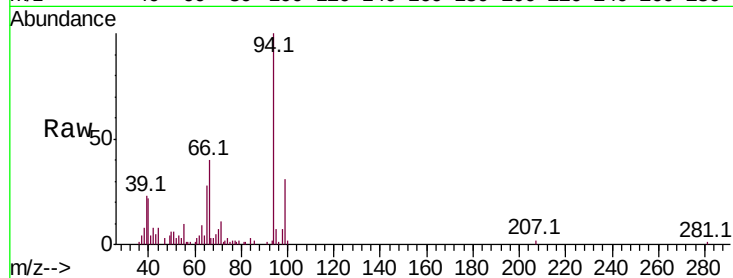
ClientSampled :

C0AD1

Tot Ion:	94	Resp:	64049
Ion Ratio	Lower	Upper	
94	100		
65	28.0	23.3	34.9
66	40.3	32.1	48.1

Manual Integrations
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#14

Acetophenone

Concen: 1.174 ng/ul

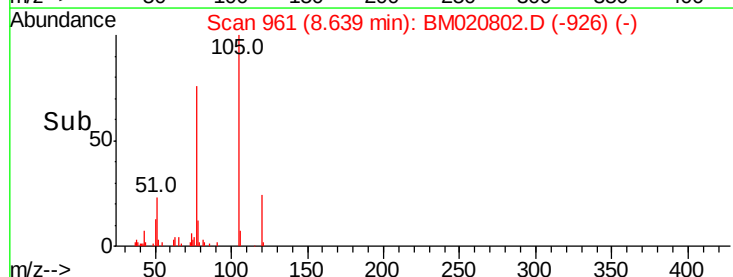
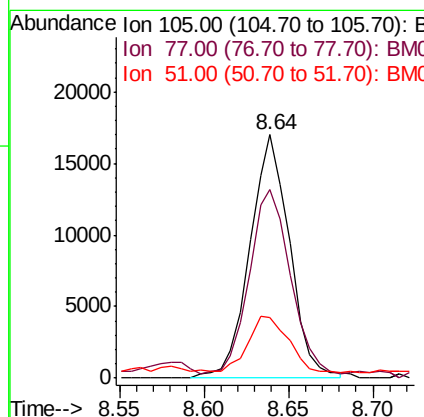
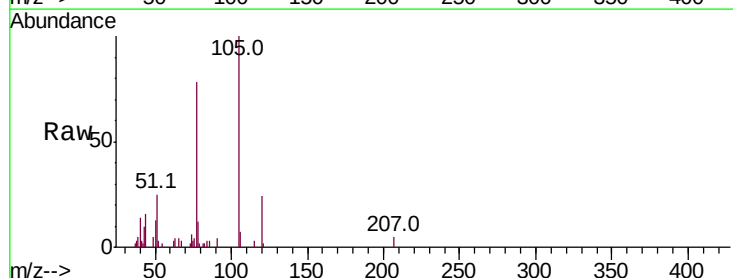
RT: 8.64 min Scan# 961

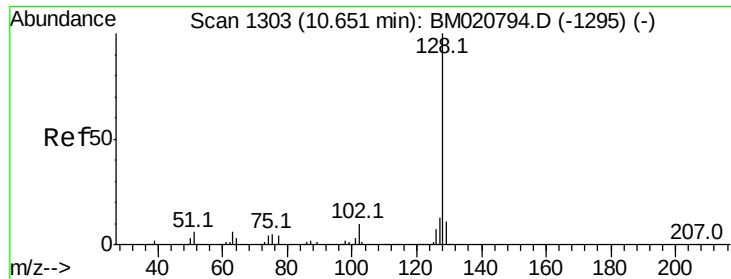
Delta R.T. 0.01 min

Lab File: BM020802.D

Acq: 07 Jun 2019 14:01

Tgt Ion:	105	Resp:	27831
Ion Ratio	Lower	Upper	
105	100		
77	77.6	64.6	97.0
51	25.0	21.4	32.2





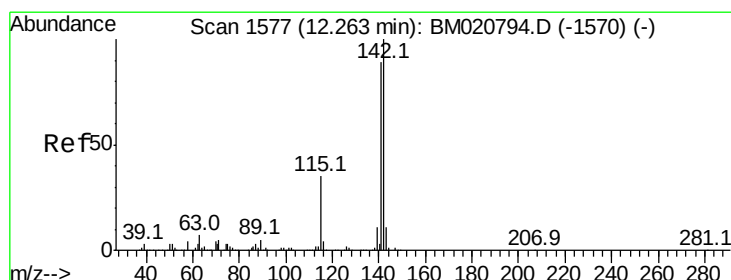
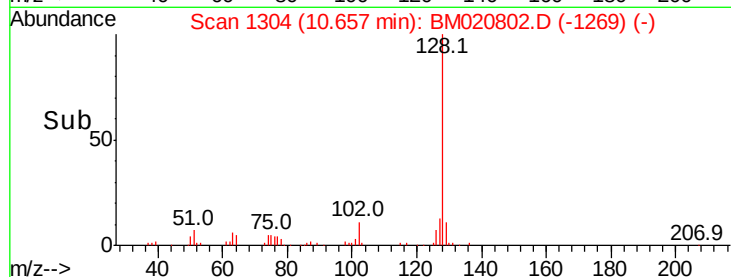
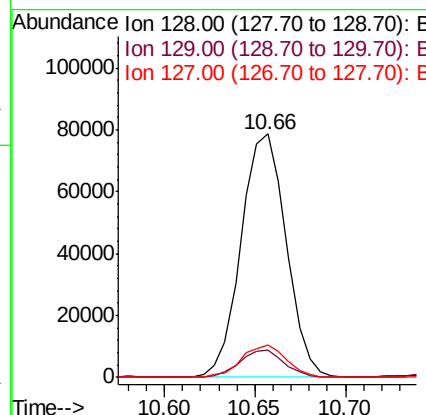
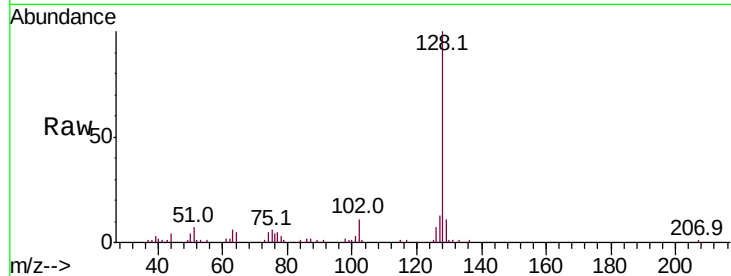
#28
Naphthalene
Concen: 2.956 ng/ul
RT: 10.66 min Scan# 1304
Delta R.T. 0.01 min
Lab File: BM020802.D
Acq: 07 Jun 2019 14:01

Instrument :
BNA_M
ClientSampleId :
C0AD1

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.6	13.0
127	13.4	10.2	15.2

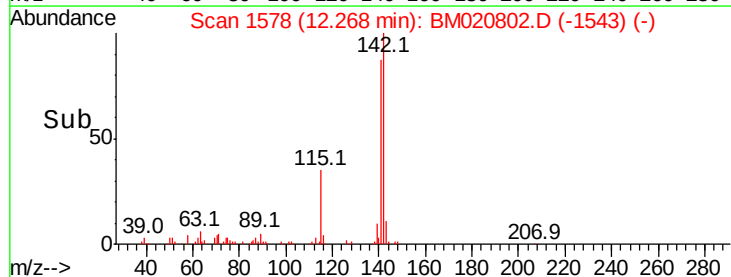
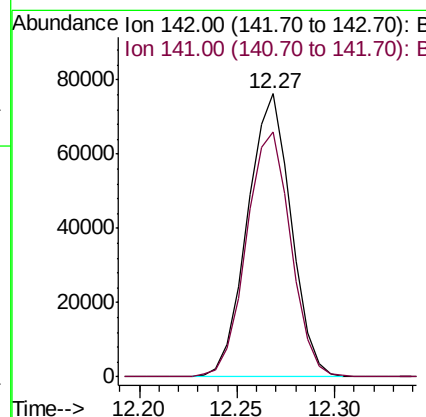
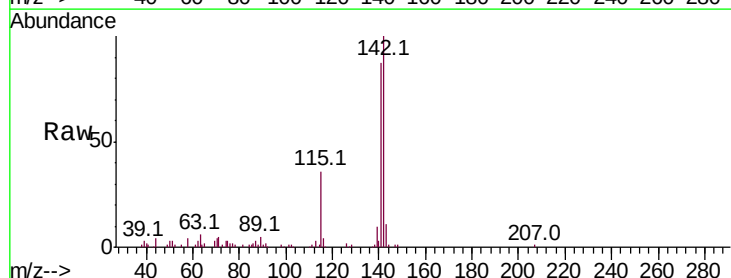
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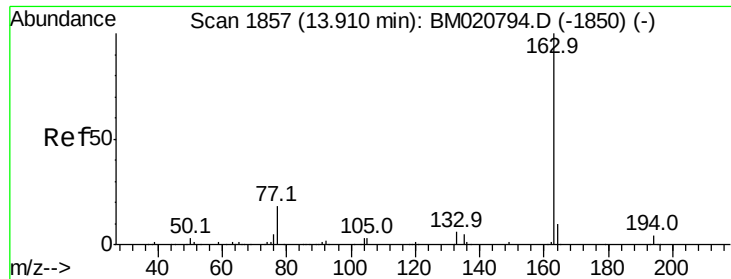
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#34
2-Methylnaphthalene
Concen: 3.489 ng/ul
RT: 12.27 min Scan# 1578
Delta R.T. 0.01 min
Lab File: BM020802.D
Acq: 07 Jun 2019 14:01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.7	71.4	107.0





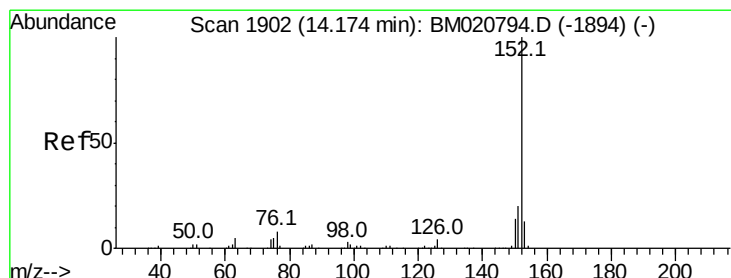
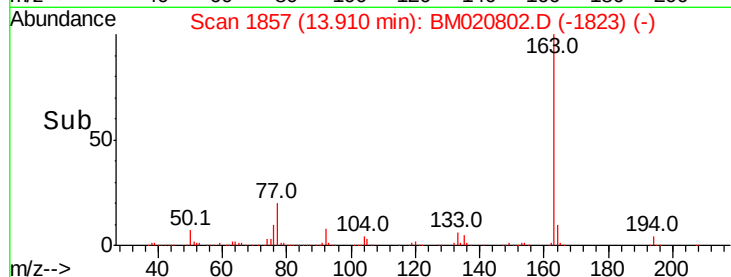
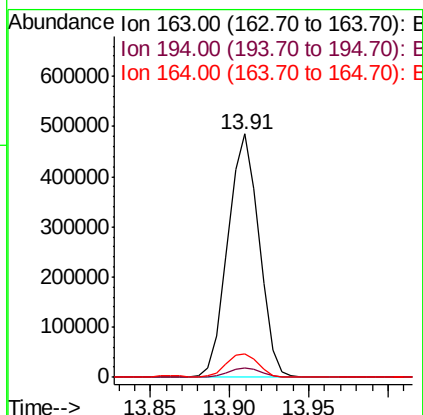
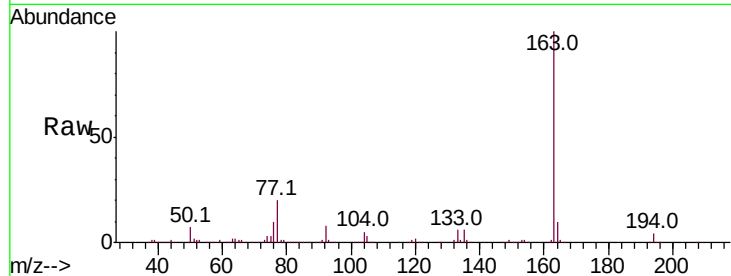
#44
Dimethylphthalate
Concen: 16.829 ng/ul
RT: 13.91 min Scan# 1857
Delta R.T. -0.00 min
Lab File: BM020802.D
Acq: 07 Jun 2019 14:01

Instrument :
BNA_M
ClientSampleId :
C0AD1

Tot Ion	Ratio	Resp	Lower	Upper
163	100	659295		
194	3.9		3.2	4.8
164	9.7		8.0	12.0

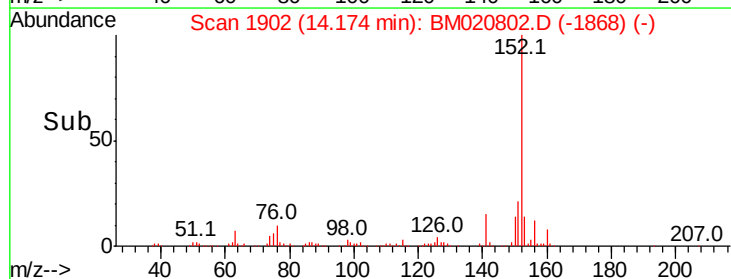
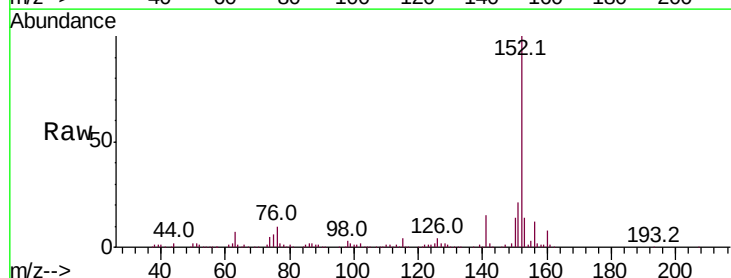
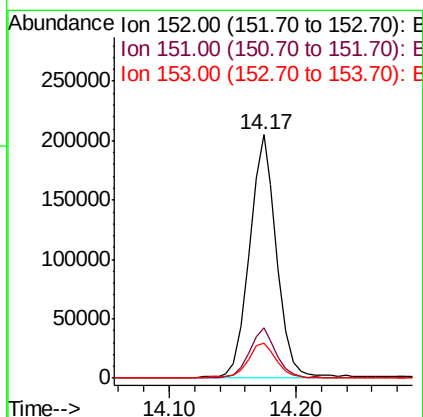
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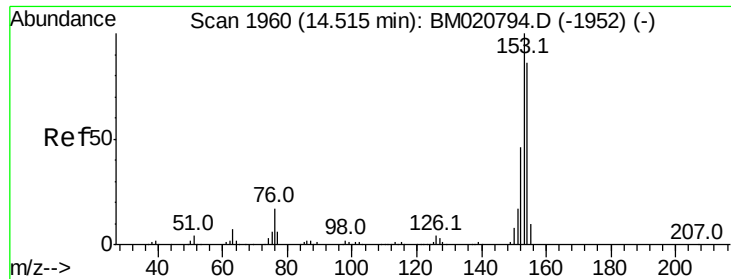
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#47
Acenaphthylene
Concen: 6.315 ng/ul
RT: 14.17 min Scan# 1902
Delta R.T. -0.00 min
Lab File: BM020802.D
Acq: 07 Jun 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	303130		
151	20.8		16.2	24.2
153	14.5		10.6	15.8





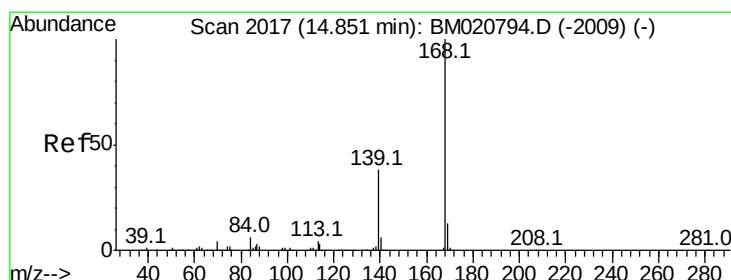
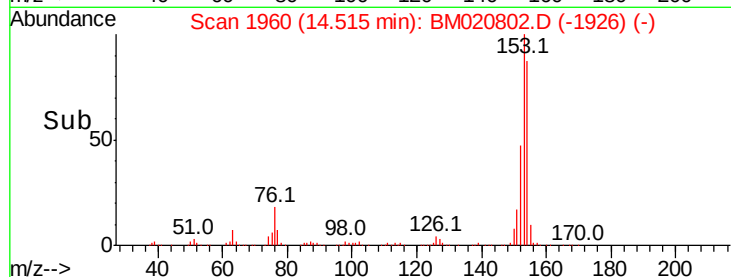
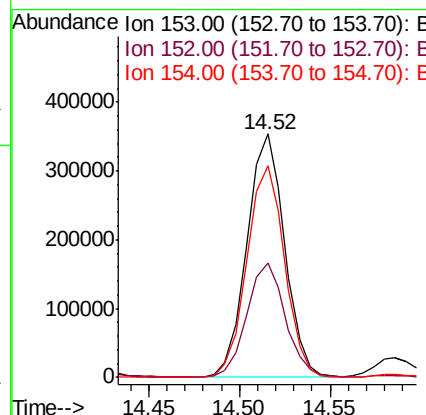
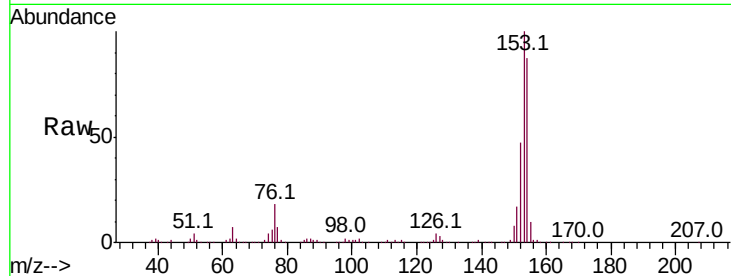
#49
Acenaphthene
Concen: 15.235 ng/ul
RT: 14.52 min Scan# 1960
Delta R.T. -0.00 min
Lab File: BM020802.D
Acq: 07 Jun 2019 14:01

Instrument :
BNA_M
ClientSampleId :
C0AD1

Tot Ion	Ratio	Lower	Upper
153	100		
152	47.2	37.3	55.9
154	86.7	68.7	103.1

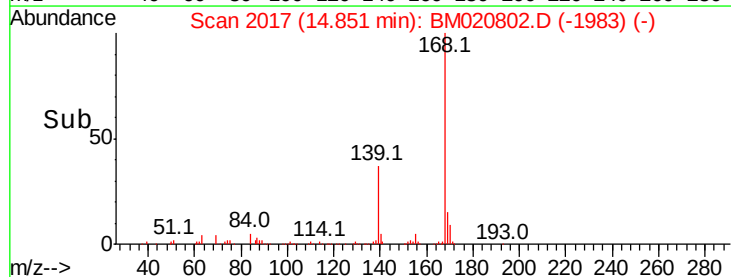
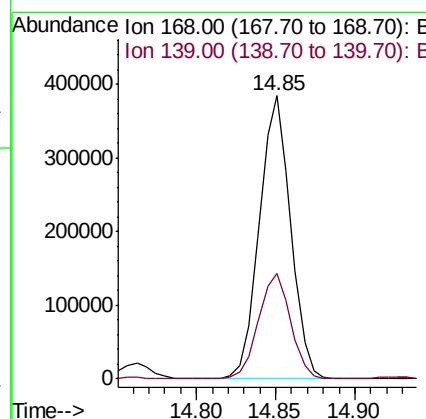
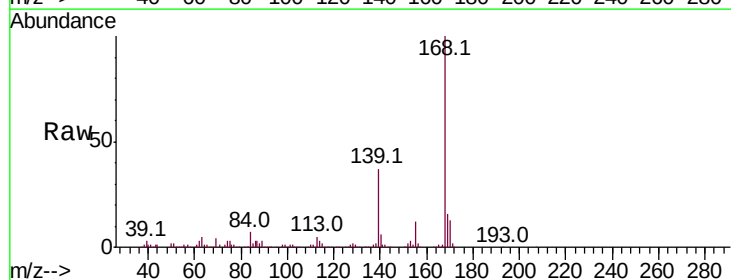
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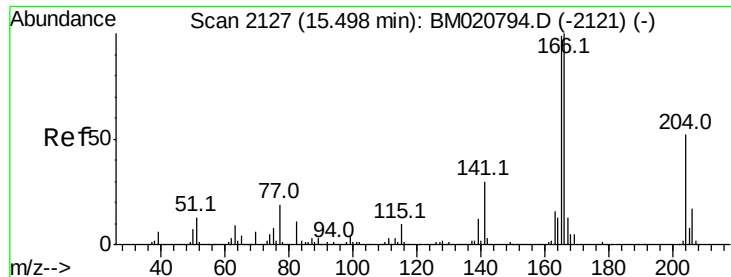
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#53
Dibenzofuran
Concen: 11.123 ng/ul
RT: 14.85 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BM020802.D
Acq: 07 Jun 2019 14:01

Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.1	30.4	45.6





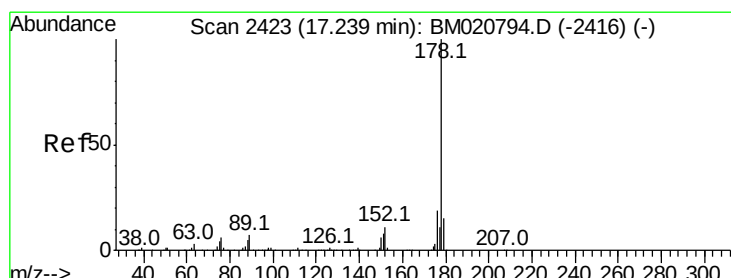
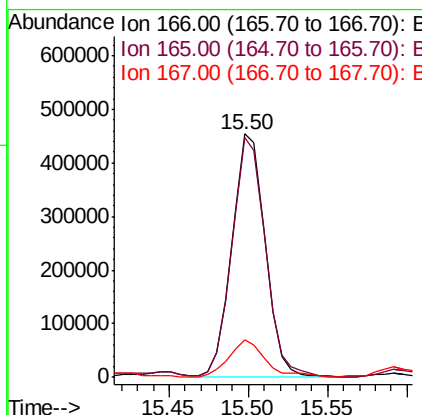
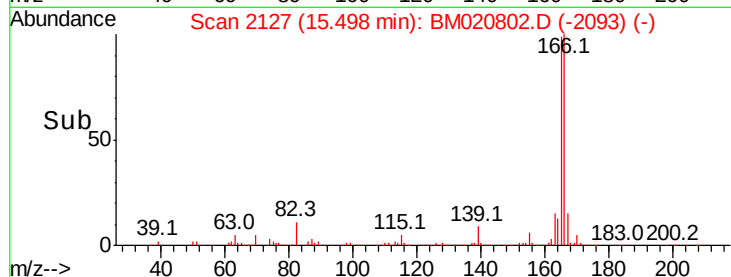
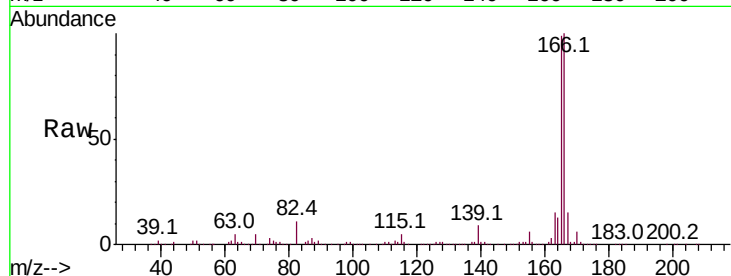
#58
 Fluorene
 Concen: 17.273 ng/ul
 RT: 15.50 min Scan# 2127
 Delta R.T. -0.00 min
 Lab File: BM020802.D
 Acq: 07 Jun 2019 14:01

Instrument :
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 ClientSampleId :
 C0AD1

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.7	78.6	117.8
167	15.4	10.8	16.2

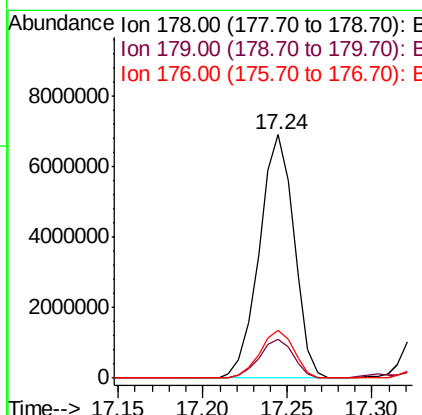
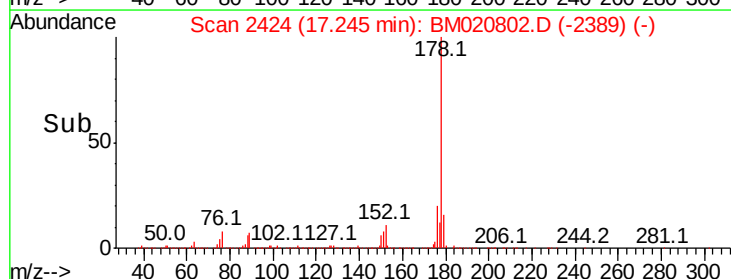
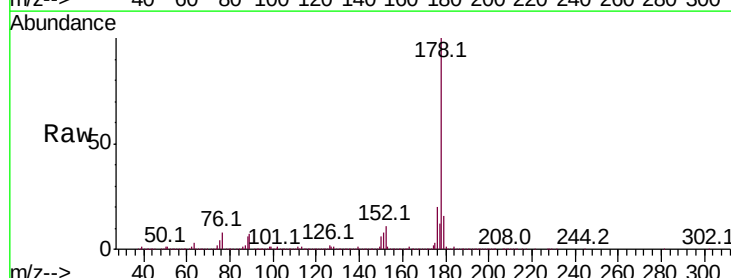
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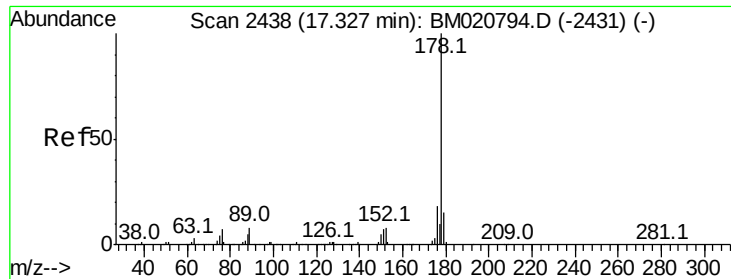
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#69
 Phenanthrene
 Concen: 175.513 ng/ul
 RT: 17.24 min Scan# 2424
 Delta R.T. 0.01 min
 Lab File: BM020802.D
 Acq: 07 Jun 2019 14:01

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.3	18.5
176	19.8	14.8	22.2





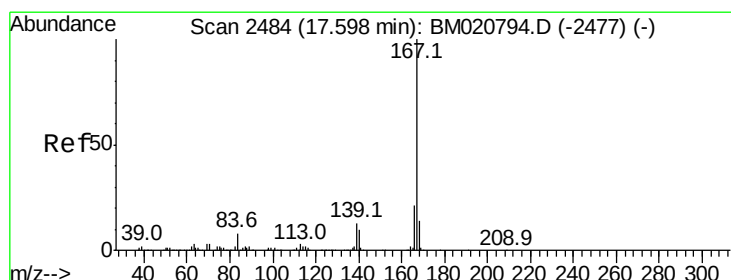
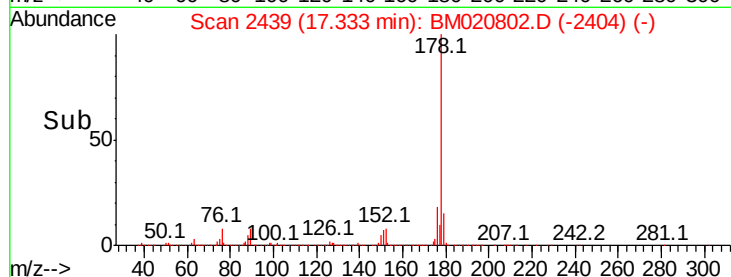
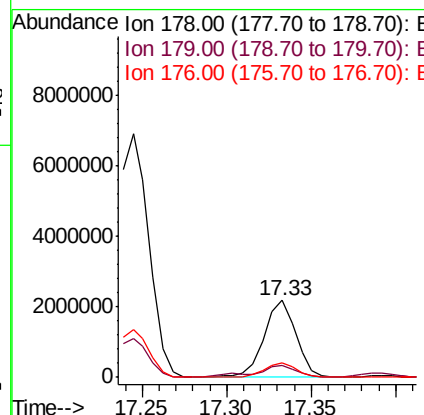
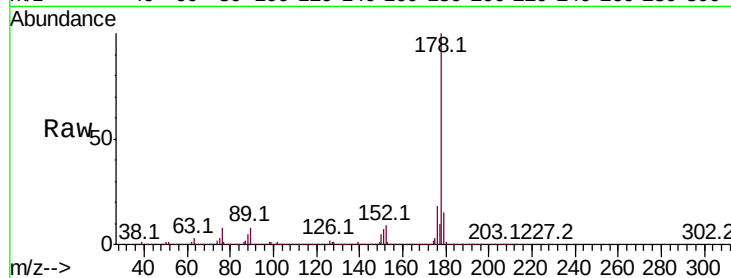
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 Anthracene
 Concen: 49.871 ng/ul
 RT: 17.33 min Scan# 2439
 Delta R.T. 0.01 min
 Lab File: BM020802.D
 Acq: 07 Jun 2019 14:01

Instrument :
 BNA_M
 ClientSampleId :
 C0AD1

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.1	18.1
176	18.3	14.9	22.3

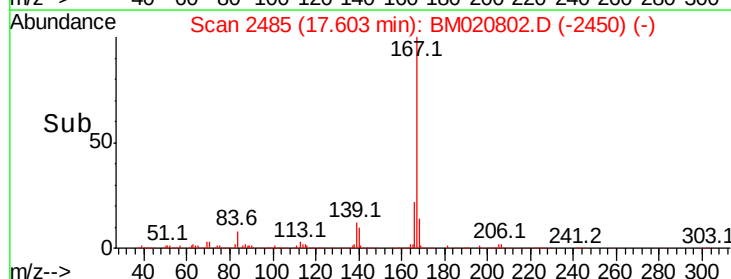
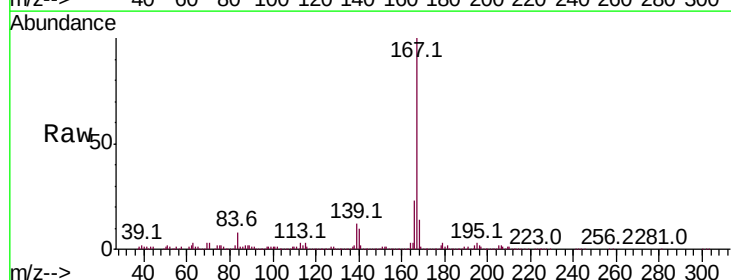
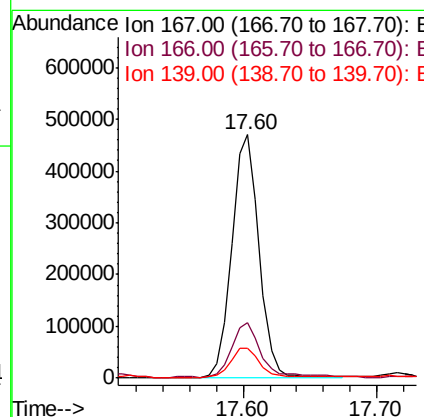
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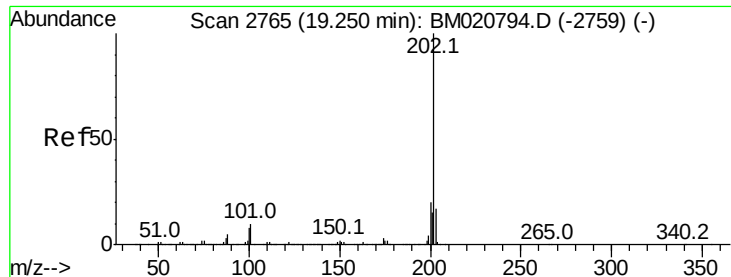
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#74
 Carbazole
 Concen: 13.253 ng/ul
 RT: 17.60 min Scan# 2485
 Delta R.T. 0.01 min
 Lab File: BM020802.D
 Acq: 07 Jun 2019 14:01

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.0	25.6
139	12.4	10.5	15.7





#76

Fluoranthene

Concen: 199.443 ng/ul

RT: 19.26 min Scan# 2767

Delta R.T. 0.01 min

Lab File: BM020802.D

Acq: 07 Jun 2019 14:01

Instrument :

BNA_M

ClientSampleId :

C0AD1

Tot Ion:202 Resp:12826702

Ion Ratio Lower Upper

202 100

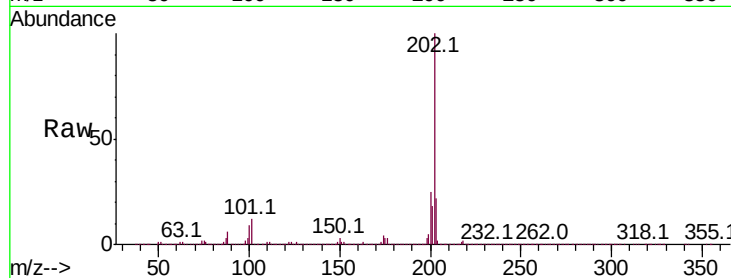
101 11.6 7.9 11.9

100 8.8 6.2 9.4

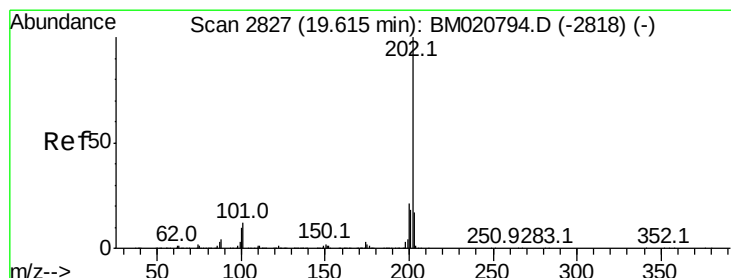
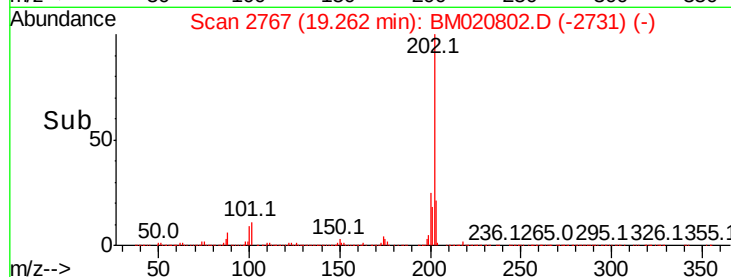
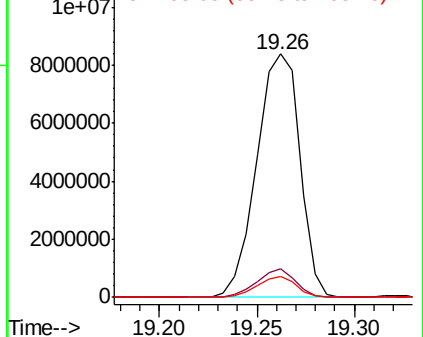
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



#79

Pyrene

Concen: 156.404 ng/ul

RT: 19.63 min Scan# 2829

Delta R.T. 0.01 min

Lab File: BM020802.D

Acq: 07 Jun 2019 14:01

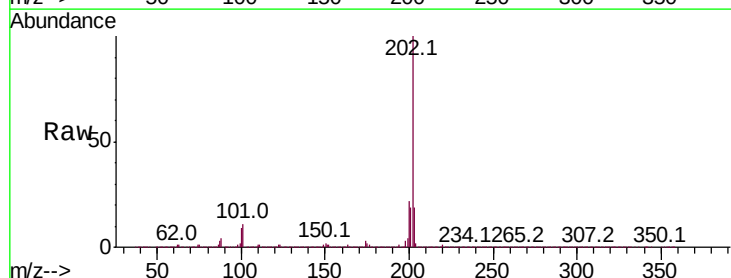
Tgt Ion:202 Resp:10660761

Ion Ratio Lower Upper

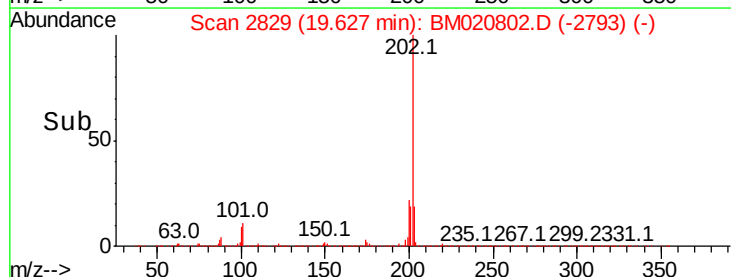
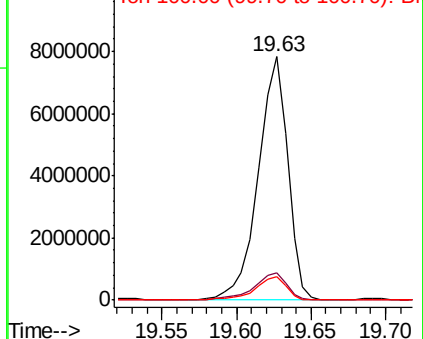
202 100

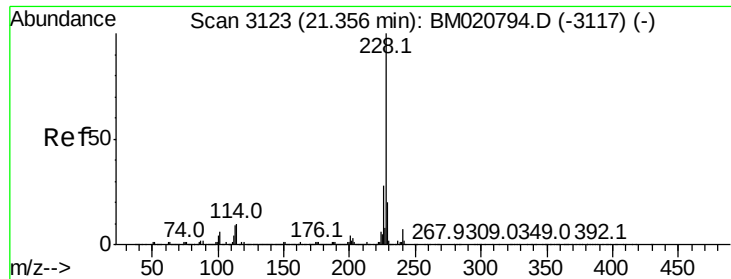
101 11.1 9.8 14.6

100 9.4 8.0 12.0



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





#82

Benzo(a)anthracene

Concen: 107.159 ng/ul

RT: 21.37 min Scan# 3125

Delta R.T. 0.01 min

Lab File: BM020802.D

Acq: 07 Jun 2019 14:01

Instrument :

BNA_M

ClientSampleId :

C0AD1

Tot Ion:228 Resp: 7381399

Ion	Ratio	Lower	Upper
228	100		
229	21.5	15.6	23.4
226	28.8	21.4	32.2

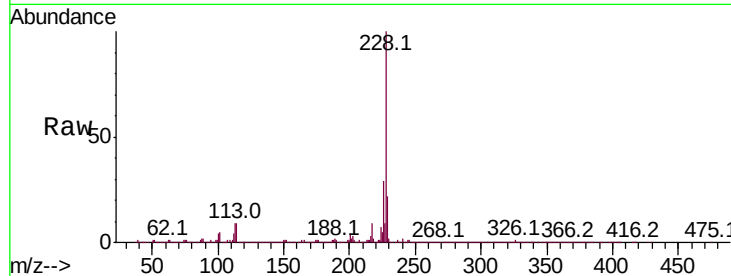
228 100

229 21.5 15.6 23.4

226 28.8 21.4 32.2

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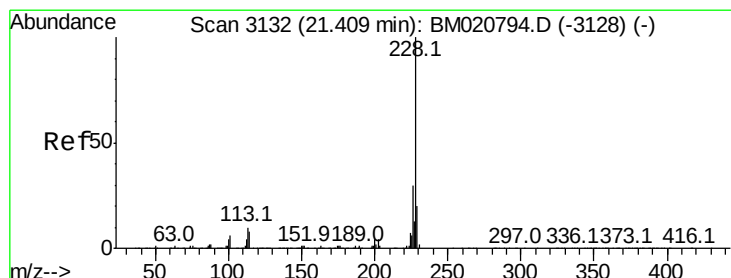
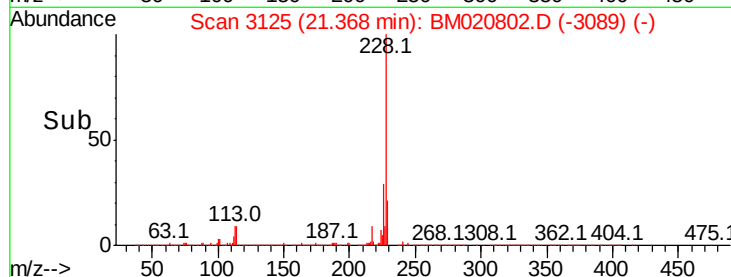
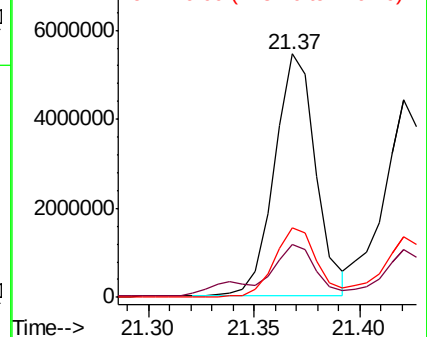


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#84

Chrysene

Concen: 95.537 ng/ul

RT: 21.42 min Scan# 3134

Delta R.T. 0.01 min

Lab File: BM020802.D

Acq: 07 Jun 2019 14:01

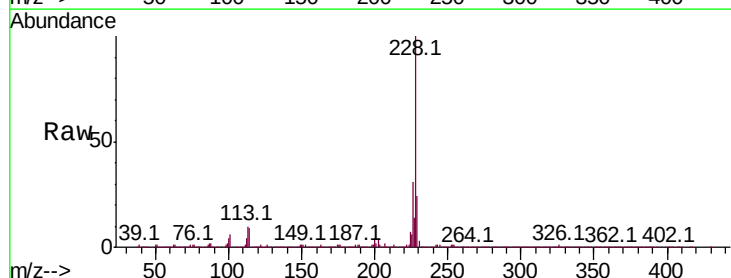
Tgt Ion:228 Resp: 6106383

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.4	36.6
229	24.1	16.2	24.2

228 100

226 31.0 24.4 36.6

229 24.1 16.2 24.2

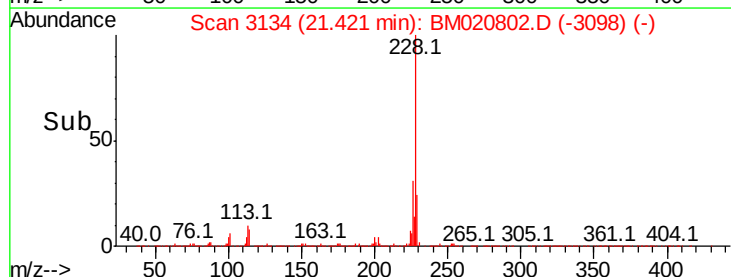
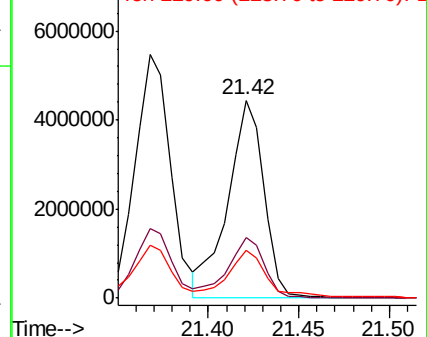


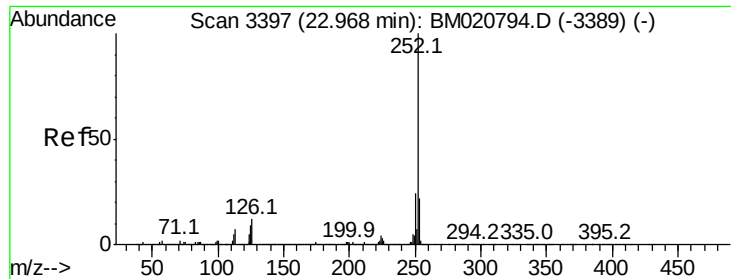
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





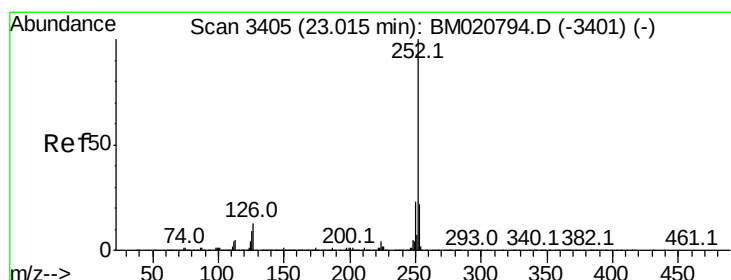
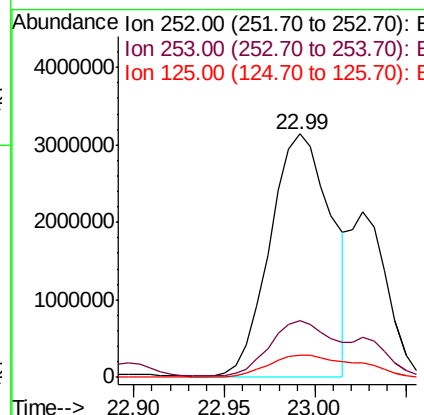
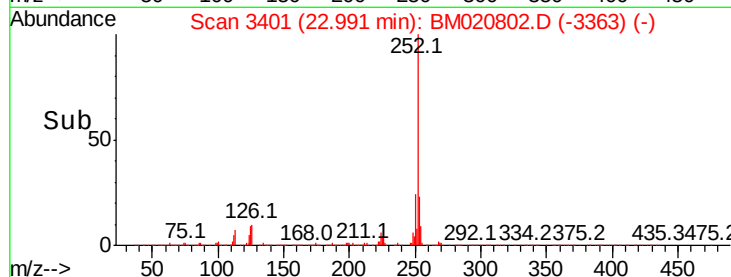
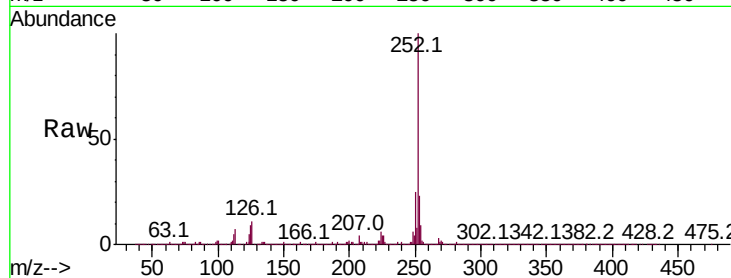
#87
Benzo(b)fluoranthene
Concen: 97.678 ng/ul
RT: 22.99 min Scan# 3401
Delta R.T. 0.02 min
Lab File: BM020802.D
Acq: 07 Jun 2019 14:01

Instrument :
BNA_M
ClientSampleId :
C0AD1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.6	26.4
125	9.1	7.3	10.9

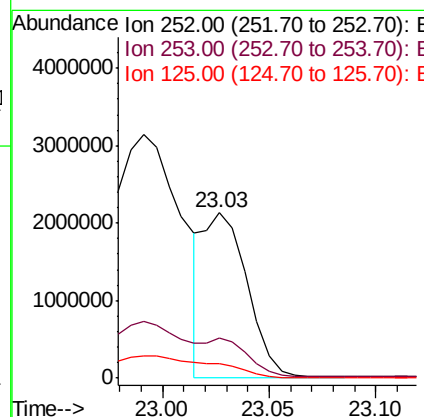
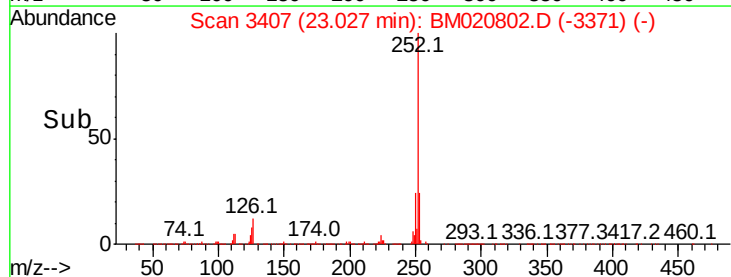
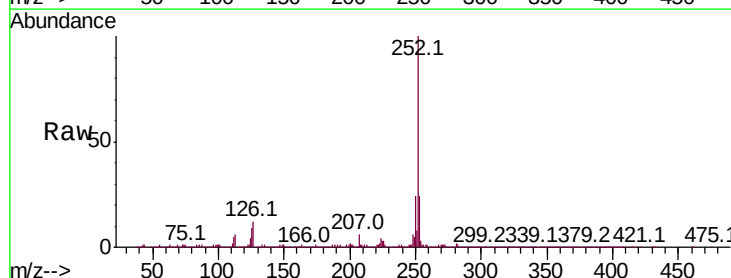
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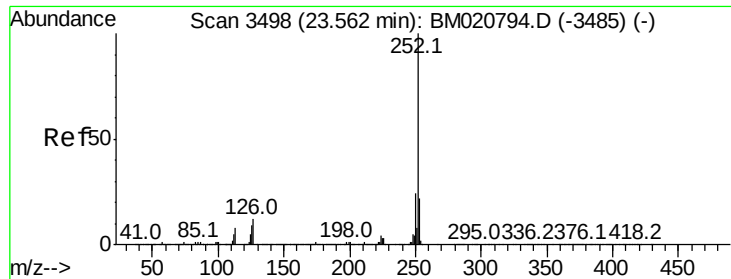
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#88
Benzo(k)fluoranthene
Concen: 41.923 ng/ul m
RT: 23.03 min Scan# 3407
Delta R.T. 0.01 min
Lab File: BM020802.D
Acq: 07 Jun 2019 14:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.6	26.4
125	8.7	7.3	10.9





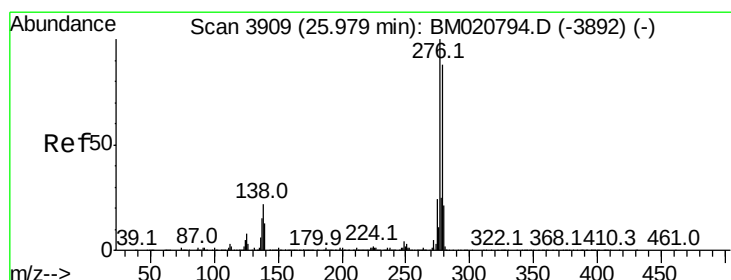
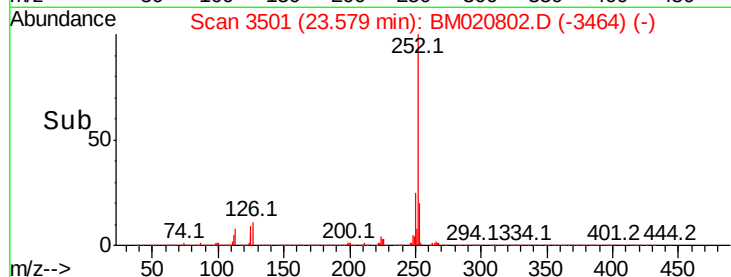
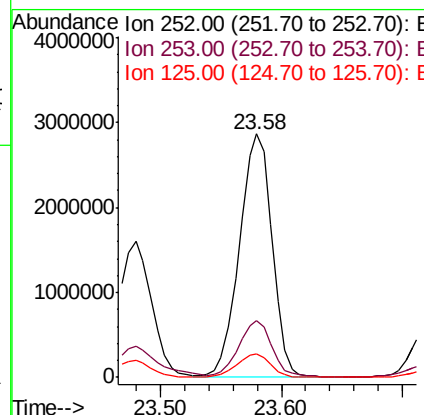
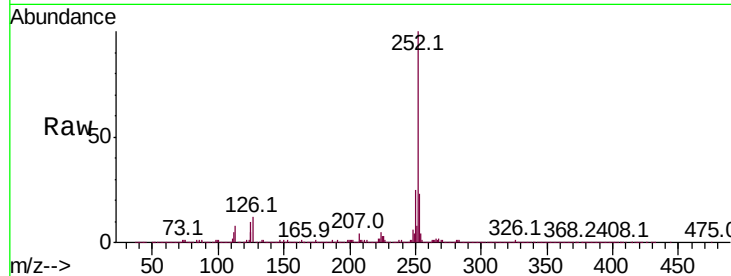
#90
Benzo(a)pyrene
Concen: 74.662 ng/ul
RT: 23.58 min Scan# 3501
Delta R.T. 0.02 min
Lab File: BM020802.D
Acq: 07 Jun 2019 14:01

Instrument :
BNA_M
ClientSampleId :
C0AD1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	9.7	8.2	12.4

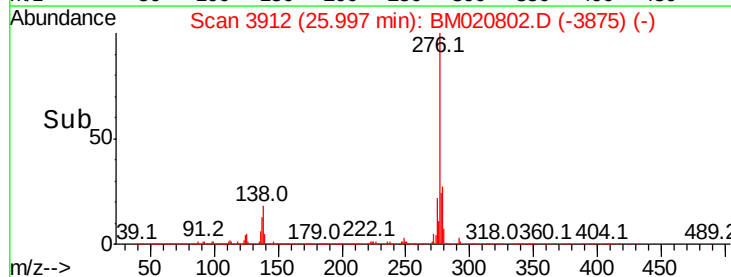
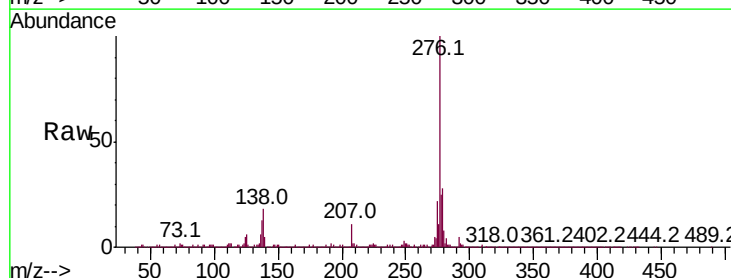
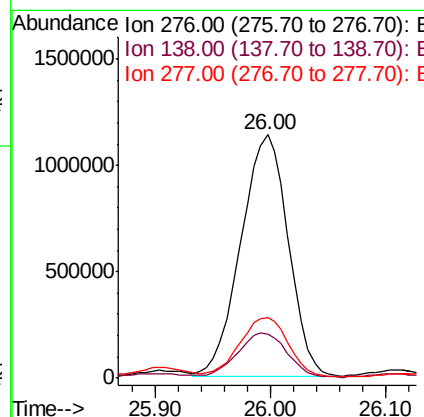
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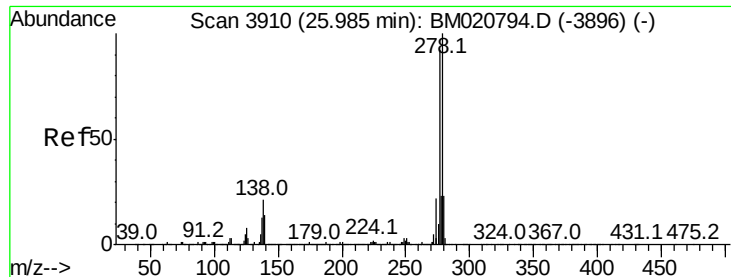
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#91
Indeno(1,2,3-cd)pyrene
Concen: 38.196 ng/ul
RT: 26.00 min Scan# 3912
Delta R.T. 0.02 min
Lab File: BM020802.D
Acq: 07 Jun 2019 14:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.1	17.8	26.8
277	24.8	20.0	30.0





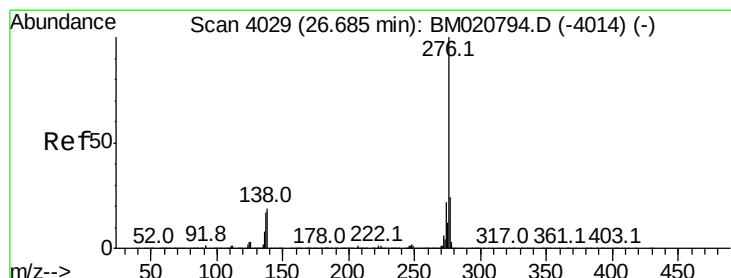
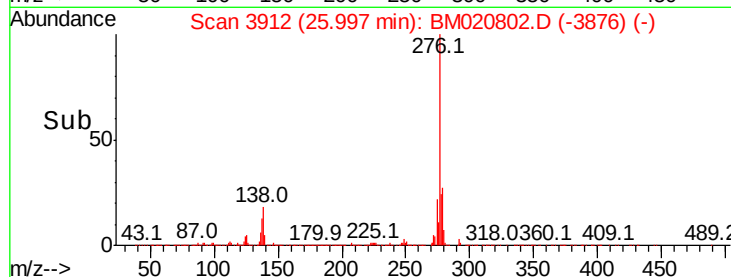
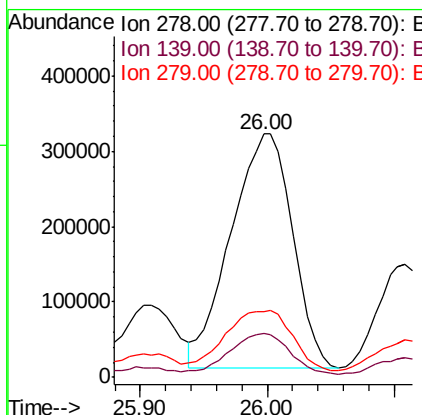
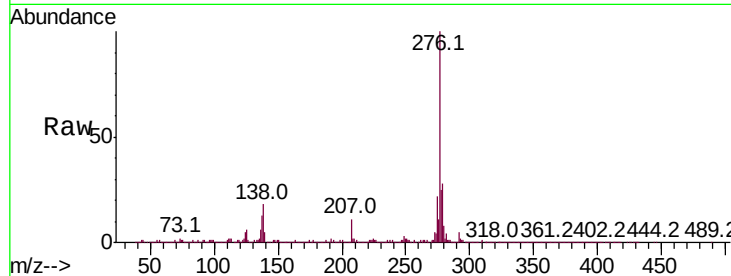
#92
Dibenzo(a,h)anthracene
Concen: 14.669 ng/ul
RT: 26.00 min Scan# 3912
Delta R.T. 0.01 min
Lab File: BM020802.D
Acq: 07 Jun 2019 14:01

Instrument :
BNA_M
ClientSampleId :
C0AD1

Tot Ion:278 Resp: 1053180
Ion Ratio Lower Upper
278 100
139 17.9 11.6 17.4#
279 27.2 18.6 28.0

Manual Integrations
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6/14/2019 8:41:42 AM



#93
Benzo(g,h,i)perylene
Concen: 31.326 ng/ul
RT: 26.71 min Scan# 4034
Delta R.T. 0.03 min
Lab File: BM020802.D
Acq: 07 Jun 2019 14:01

Tgt Ion:276 Resp: 2153446
Ion Ratio Lower Upper
276 100
138 18.8 16.6 25.0
277 24.6 19.6 29.4

