

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
 Data File : BM020360.D
 Acq On : 17 May 2019 12:10
 Operator : JU/SJ
 Sample : K2604-02DL 30X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GAJ76DL

Manual Integrations
 APPROVED

mohammad
 5/20/2019 2:46:21 PM

Quant Time: May 18 03:33:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat May 18 02:51:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	69088	20.00	ng/ul	0.00
18) Naphthalene-d8	10.53	136	259681	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.39	164	155973	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.14	188	351953	20.00	ng/ul	0.00
77) Chrysene-d12	21.33	240	331575	20.00	ng/ul	0.00
85) Perylene-d12	23.61	264	378269	20.00	ng/ul	0.01

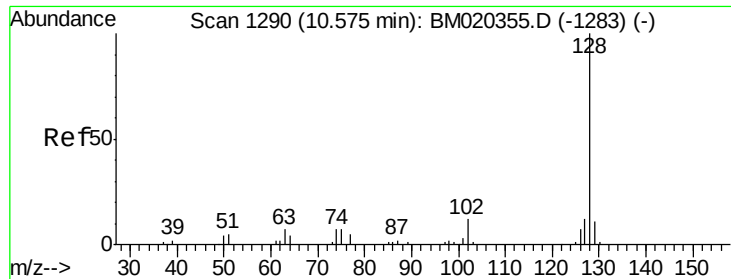
System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.90	99	5285	0.96	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.08	67	3632	1.04	ng/ul	0.00
9) 2-Chlorophenol-d4	7.27	132	4501	1.11	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	3582	0.89	ng/ul	0.00
19) Nitrobenzene-d5	8.91	128	1891	1.12	ng/ul	0.00
22) 2-Nitrophenol-d4	9.62	143	1993	1.07	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	4655	1.18	ng/ul	0.00
29) 4-Chloroaniline-d4	10.69	131	5762	1.42	ng/ul	0.02
43) Dimethylphthalate-d6	13.80	166	18791	1.67	ng/ul	0.00
46) Acenaphthylene-d8	14.07	160	22723	1.62	ng/ul	0.00
51) 4-Nitrophenol-d4	14.59	143	287	0.18	ng/ul	-0.02
57) Fluorene-d10	15.38	176	18299	1.83	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.52	200	1225	0.61	ng/ul	0.00
70) Anthracene-d10	17.23	188	28748m	1.90	ng/ul	0.00
78) Pyrene-d10	19.53	212	31298	1.96	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.46	264	31283	1.82	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.57	128	976549	81.850	ng/ul	100
34) 2-Methylnaphthalene	12.19	142	338659	39.204	ng/ul	97
40) 1,1'-Biphenyl	13.22	154	42282	3.787	ng/ul	94
47) Acenaphthylene	14.11	152	325081	24.559	ng/ul	98
49) Acenaphthene	14.44	153	42198	4.637	ng/ul	98
53) Dibenzofuran	14.79	168	98352	7.137	ng/ul	98
58) Fluorene	15.44	166	273999	24.820	ng/ul	98
69) Phenanthrene	17.18	178	1788212	106.634	ng/ul	99
71) Anthracene	17.27	178	489496	28.695	ng/ul	99
74) Carbazole	17.54	167	23030	1.591	ng/ul#	90
76) Fluoranthene	19.20	202	1319788	62.303	ng/ul	98
79) Pyrene	19.57	202	1644250	82.618	ng/ul	98
82) Benzo(a)anthracene	21.32	228	666417	33.393	ng/ul	96
84) Chrysene	21.37	228	544219	28.535	ng/ul	96
87) Benzo(b)fluoranthene	22.92	252	489751	22.685	ng/ul	97
88) Benzo(k)fluoranthene	22.96	252	176674m	8.332	ng/ul	
90) Benzo(a)pyrene	23.51	252	499198	24.571	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.90	276	214707	9.274	ng/ul	96
92) Dibenzo(a,h)anthracene	25.91	278	60454	3.054	ng/ul#	89
93) Benzo(g,h,i)perylene	26.61	276	199451	10.408	ng/ul	98

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



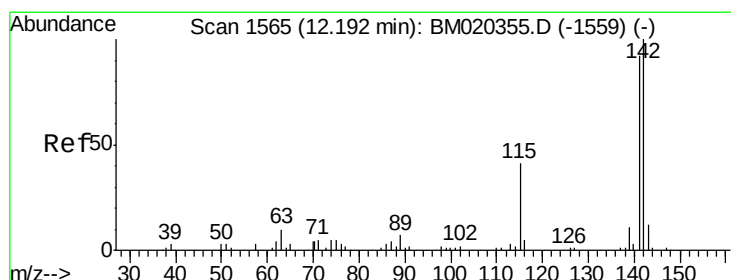
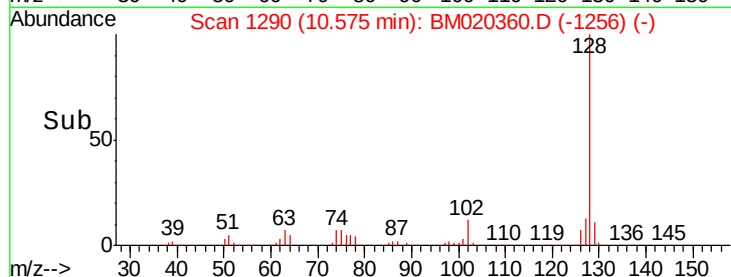
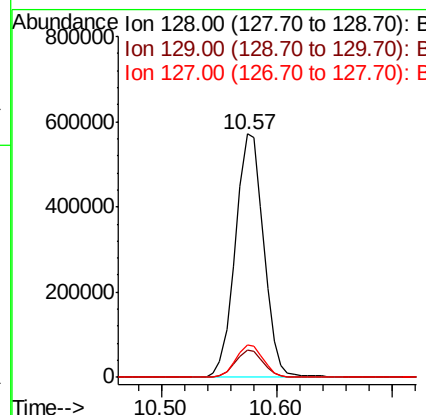
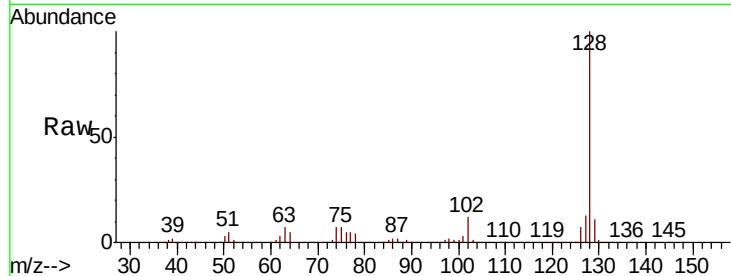
#28
Naphthalene
Concen: 81.850 ng/ul
RT: 10.57 min Scan# 1290
Delta R.T. -0.00 min
Lab File: BM020360.D
Acq: 17 May 2019 12:10

Instrument :
BNA_M
ClientSampleId :
GAJ76DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	13.2	10.6	15.8

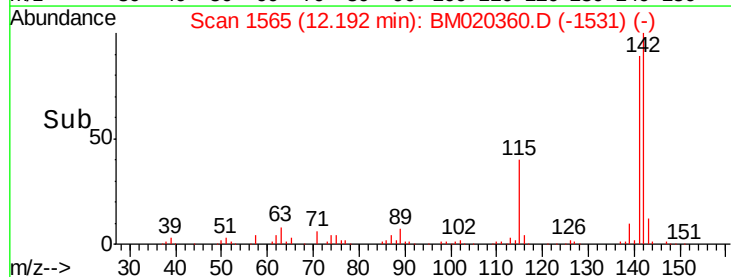
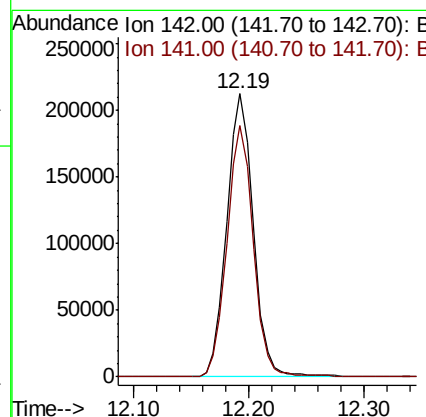
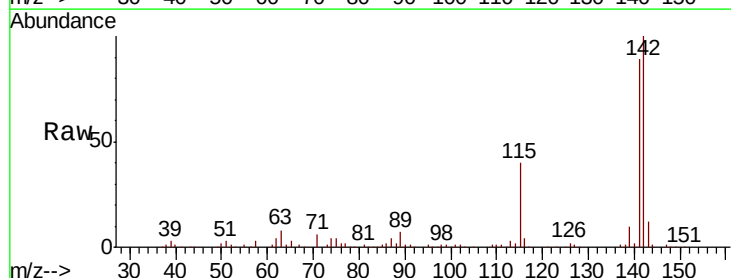
Manual Integrations
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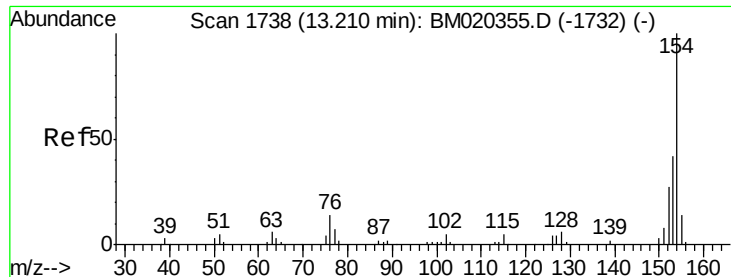
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#34
2-Methylnaphthalene
Concen: 39.204 ng/ul
RT: 12.19 min Scan# 1565
Delta R.T. -0.00 min
Lab File: BM020360.D
Acq: 17 May 2019 12:10

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.7	68.6	102.8





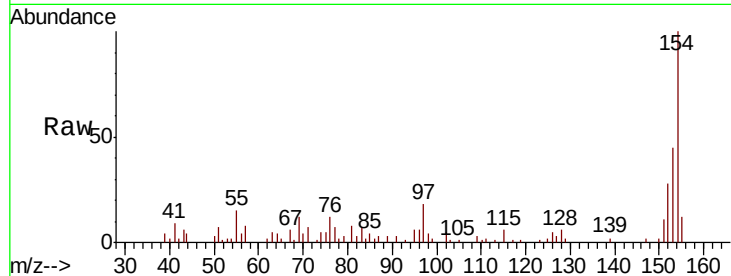
#40
 1,1'-Biphenyl
 Concen: 3.787 ng/ul
 RT: 13.22 min Scan# 1739
 Delta R.T. 0.01 min
 Lab File: BM020360.D
 Acq: 17 May 2019 12:10

Instrument :
 BNA_M
 ClientSampleId :
 GAJ76DL

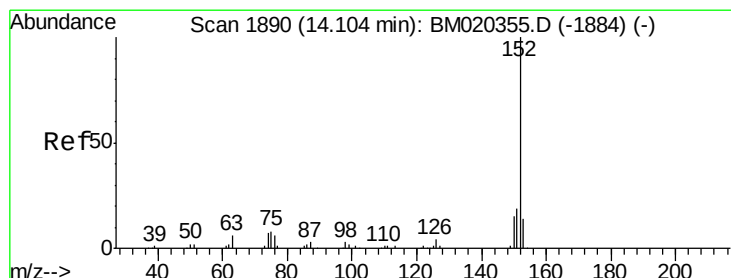
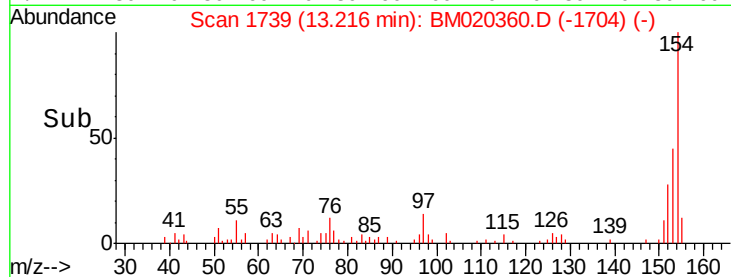
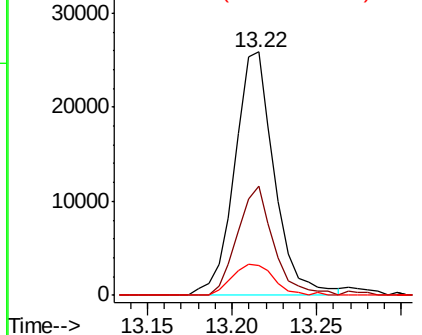
Tot Ion:	154	Resp:	42282
Ion Ratio	Lower	Upper	
154	100		
153	45.0	32.2	48.4
76	12.4	11.0	16.4

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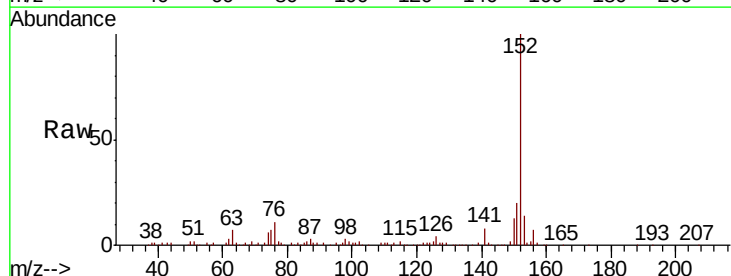


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM

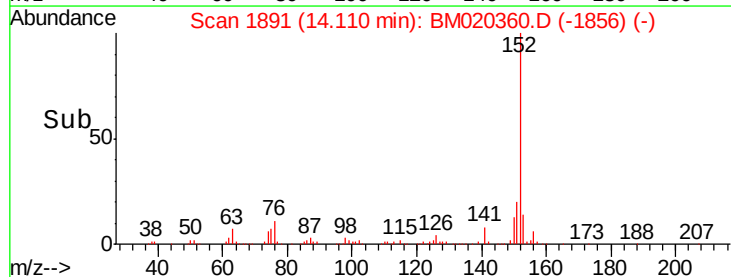
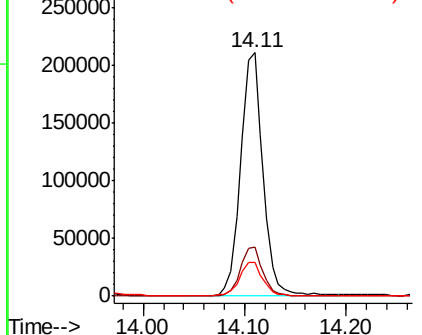


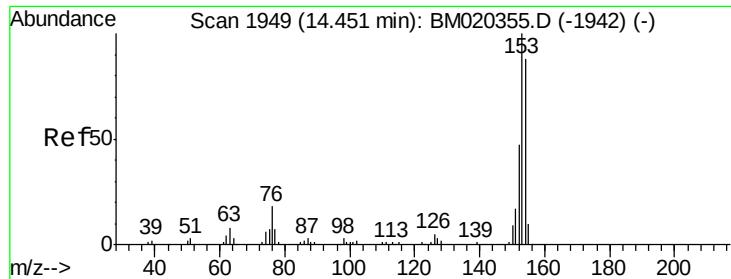
#47
 Acenaphthylene
 Concen: 24.559 ng/ul
 RT: 14.11 min Scan# 1891
 Delta R.T. 0.01 min
 Lab File: BM020360.D
 Acq: 17 May 2019 12:10

Tgt Ion:	152	Resp:	325081
Ion Ratio	Lower	Upper	
152	100		
151	20.2	15.4	23.0
153	14.0	10.3	15.5



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 4.637 ng/ul

RT: 14.44 min Scan# 1948

Delta R.T. -0.01 min

Lab File: BM020360.D

Acq: 17 May 2019 12:10

Instrument :

BNA_M

ClientSampleId :

GAJ76DL

Tot Ion:153 Resp: 42198

Ion Ratio Lower Upper

153 100

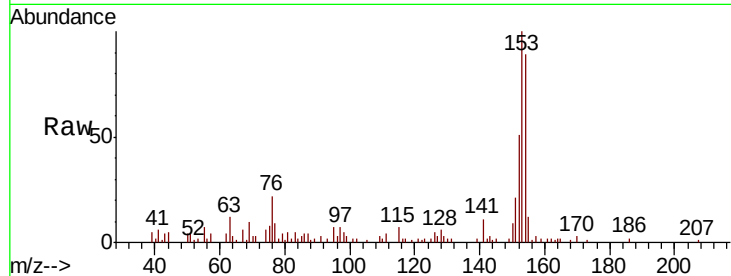
152 50.7 37.9 56.9

154 88.6 71.2 106.8

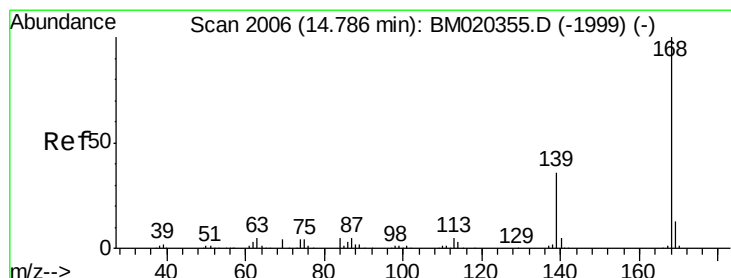
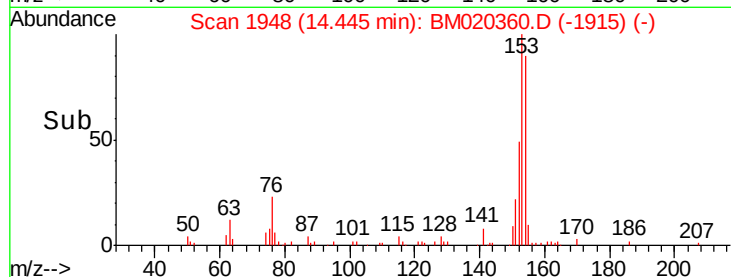
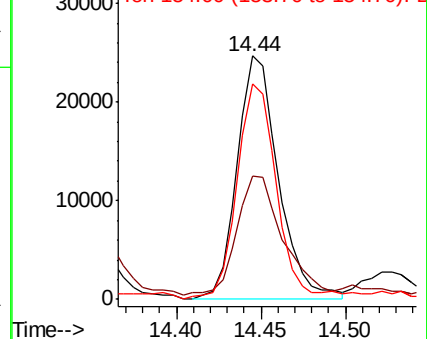
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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 7.137 ng/ul

RT: 14.79 min Scan# 2006

Delta R.T. -0.00 min

Lab File: BM020360.D

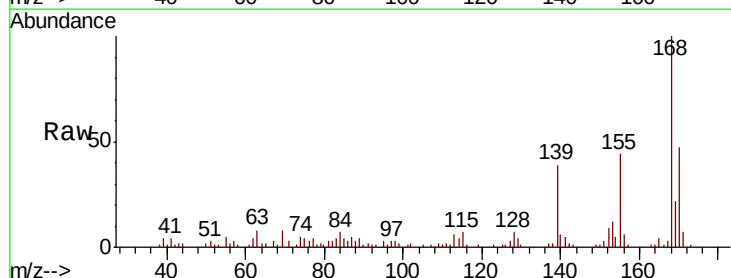
Acq: 17 May 2019 12:10

Tgt Ion:168 Resp: 98352

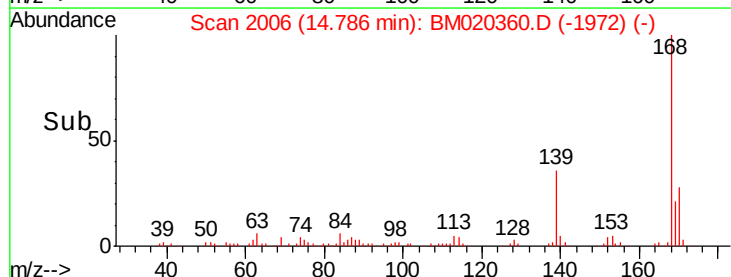
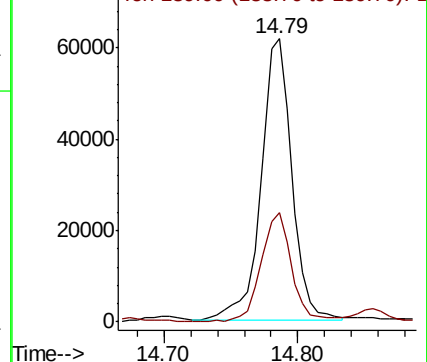
Ion Ratio Lower Upper

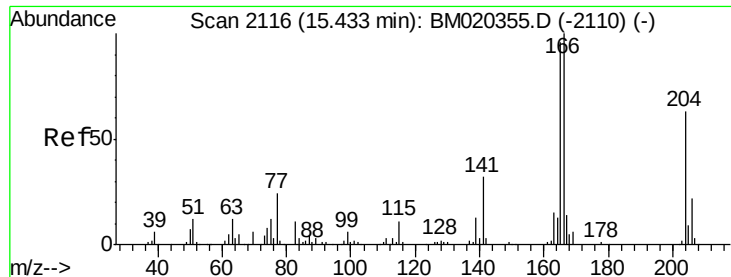
168 100

139 38.7 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





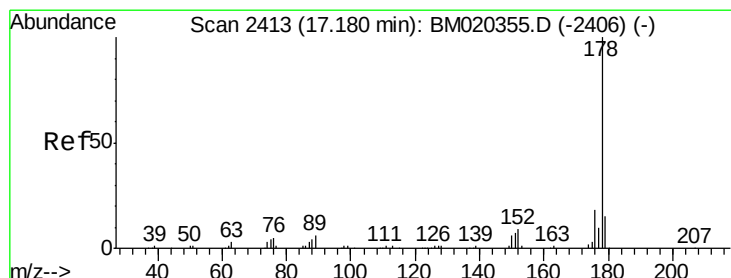
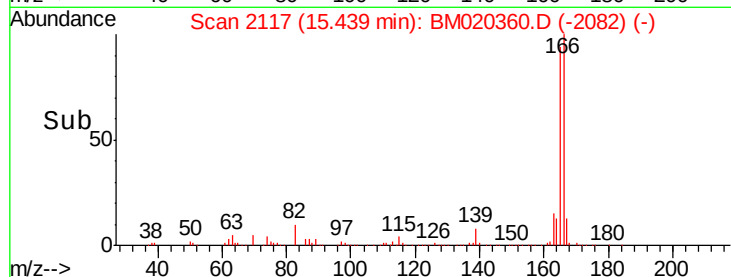
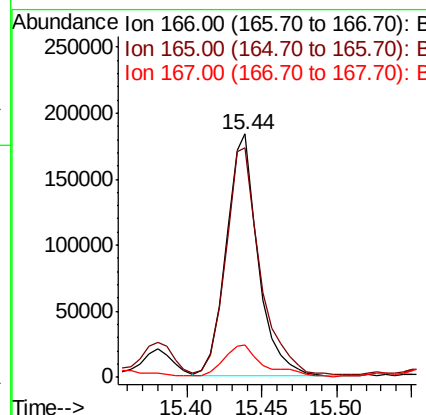
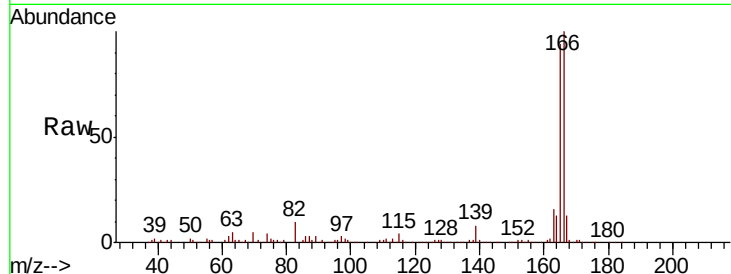
#58
Fluorene
 Concen: 24.820 ng/ul
 RT: 15.44 min Scan# 2117
 Delta R.T. 0.01 min
 Lab File: BM020360.D
 Acq: 17 May 2019 12:10

Instrument :
 BNA_M
 ClientSampleId :
 GAJ76DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	94.3	77.1	115.7
167	13.4	11.1	16.7

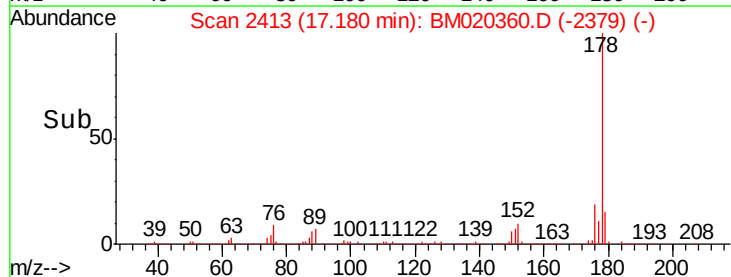
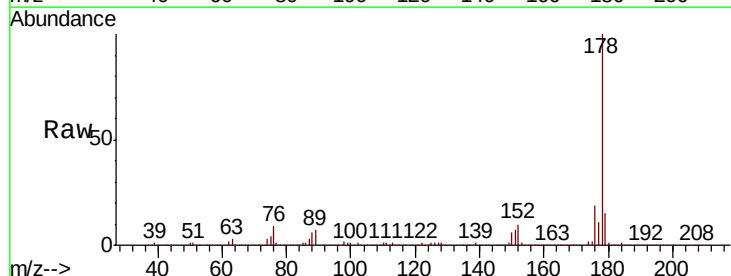
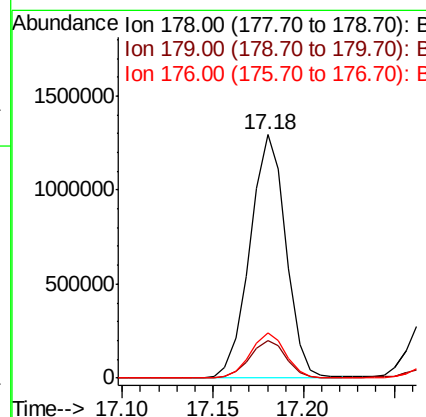
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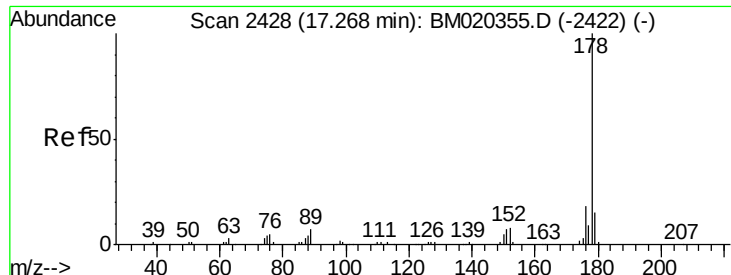
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#69
Phenanthrene
 Concen: 106.634 ng/ul
 RT: 17.18 min Scan# 2413
 Delta R.T. -0.00 min
 Lab File: BM020360.D
 Acq: 17 May 2019 12:10

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	11.9	17.9
176	18.6	14.6	22.0





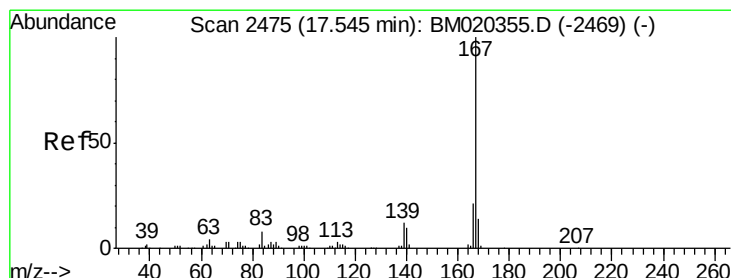
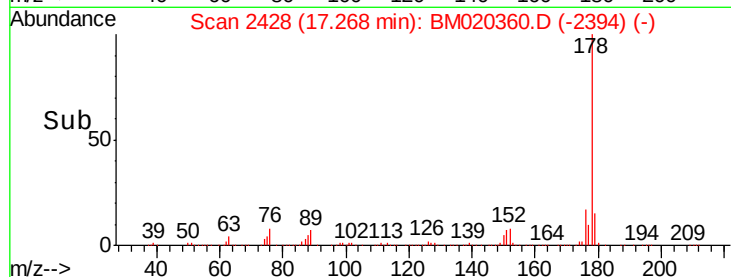
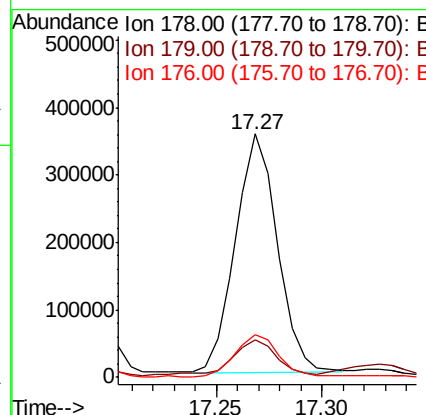
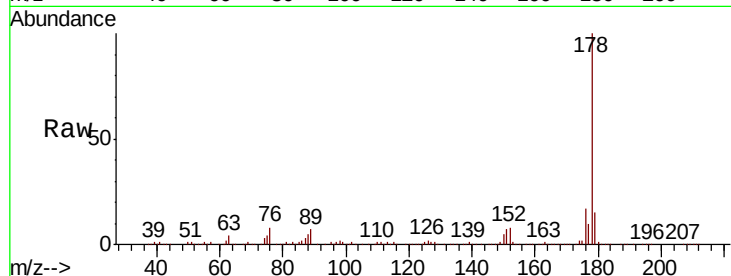
#71
 Anthracene
 Concen: 28.695 ng/ul
 RT: 17.27 min Scan# 2428
 Delta R.T. -0.00 min
 Lab File: BM020360.D
 Acq: 17 May 2019 12:10

Instrument :
 BNA_M
 ClientSampleId :
 GAJ76DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.4	18.6
176	17.4	14.4	21.6

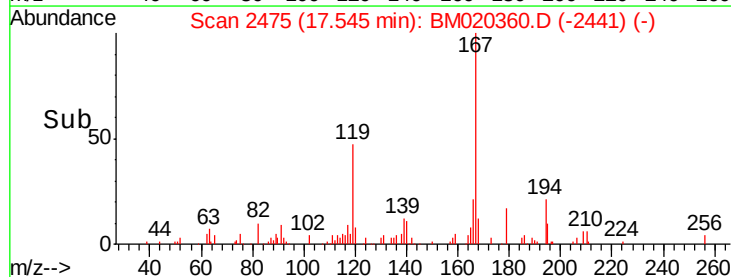
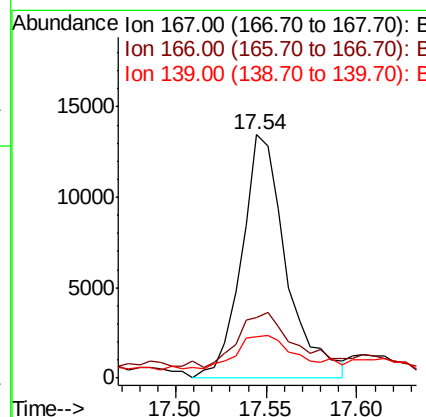
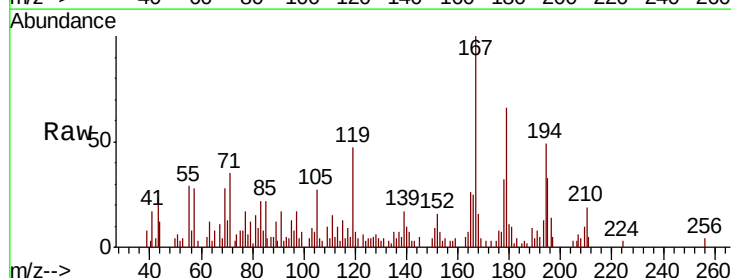
Manual Integrations
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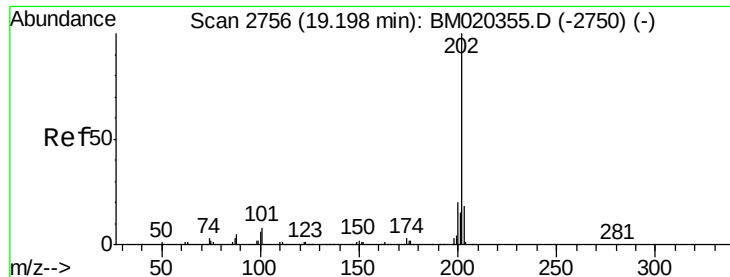
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#74
 Carbazole
 Concen: 1.591 ng/ul
 RT: 17.54 min Scan# 2475
 Delta R.T. -0.00 min
 Lab File: BM020360.D
 Acq: 17 May 2019 12:10

Tgt Ion	Ratio	Lower	Upper
167	100		
166	24.9	16.6	24.8#
139	17.1	9.8	14.8#





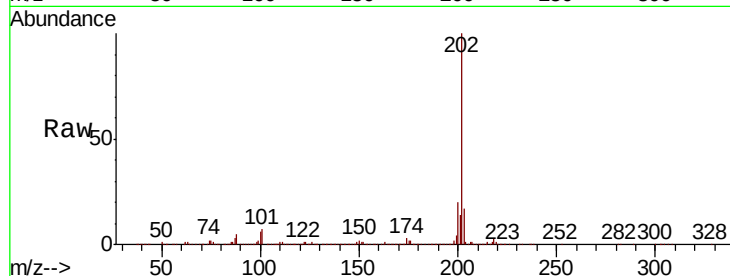
#76
Fluoranthene
Concen: 62.303 ng/ul
RT: 19.20 min Scan# 2757
Delta R.T. 0.01 min
Lab File: BM020360.D
Acq: 17 May 2019 12:10

Instrument :
BNA_M
ClientSampleId :
GAJ76DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	1319788		
101	7.5		6.4	9.6
100	5.9		5.2	7.8

Manual Integrations
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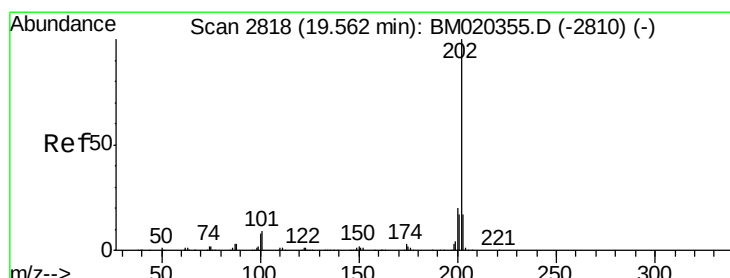
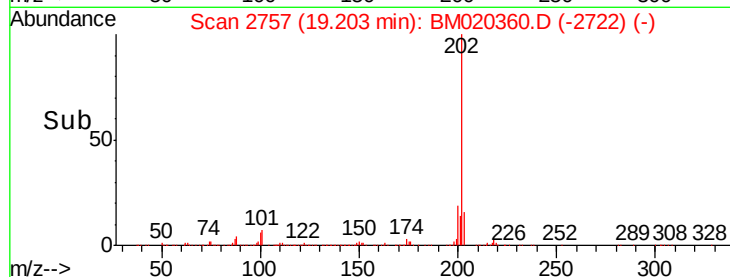
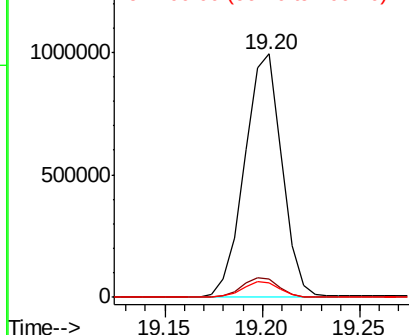


Abundance

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: 82.618 ng/ul
RT: 19.57 min Scan# 2819
Delta R.T. 0.01 min
Lab File: BM020360.D
Acq: 17 May 2019 12:10

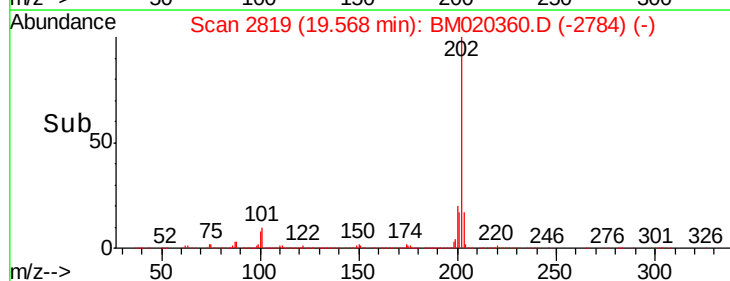
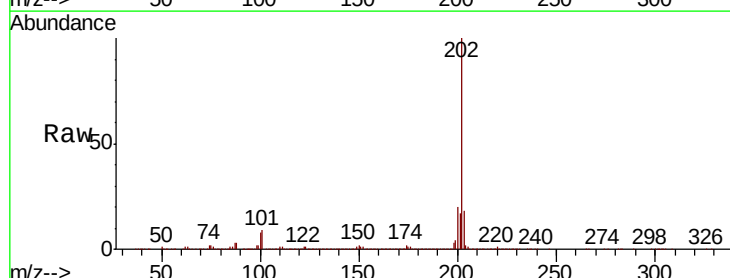
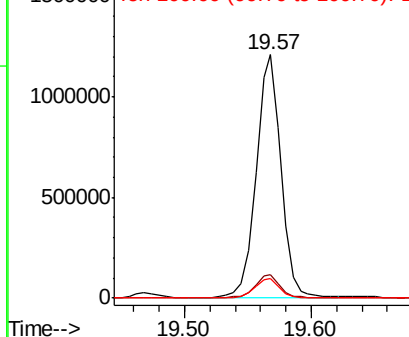
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1644250		
101	9.5		7.1	10.7
100	8.0		5.9	8.9

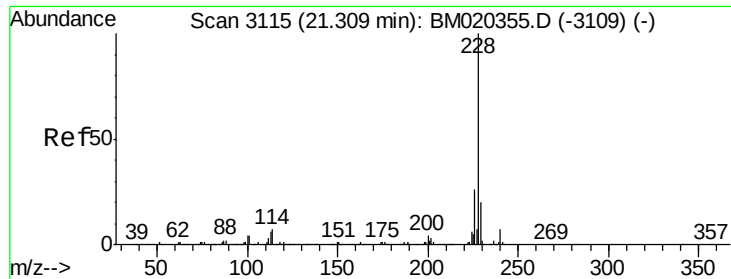
Abundance

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: 33.393 ng/ul

RT: 21.32 min Scan# 3116

Delta R.T. 0.01 min

Lab File: BM020360.D

Acq: 17 May 2019 12:10

Instrument :

BNA_M

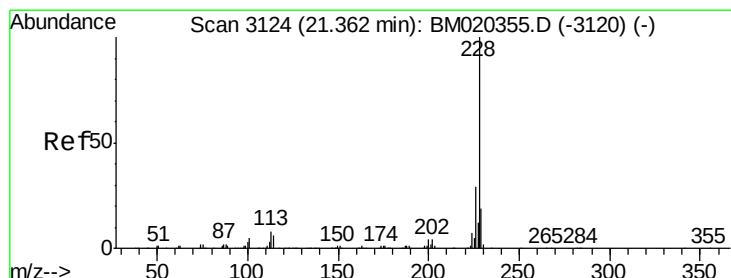
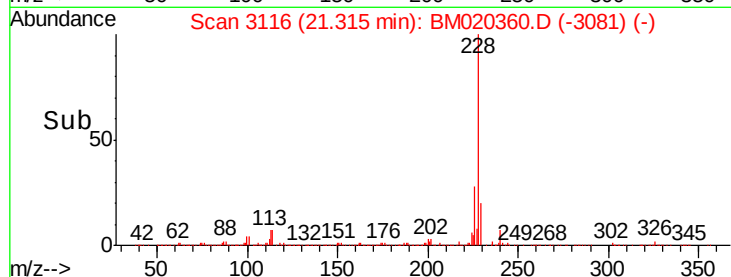
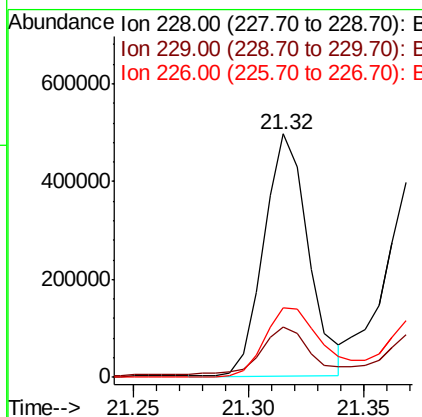
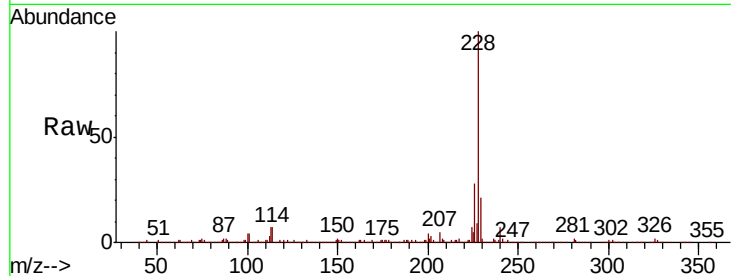
ClientSampleId :

GAJ76DL

Tot Ion:	228	Resp:	666417
Ion Ratio	Lower	Upper	
228	100		
229	20.7	15.8	23.8
226	28.3	20.6	30.8

Manual Integrations
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#84

Chrysene

Concen: 28.535 ng/ul

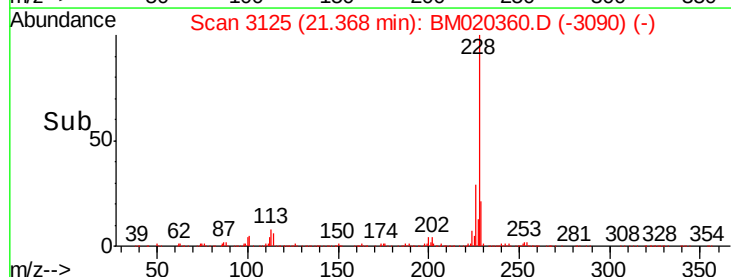
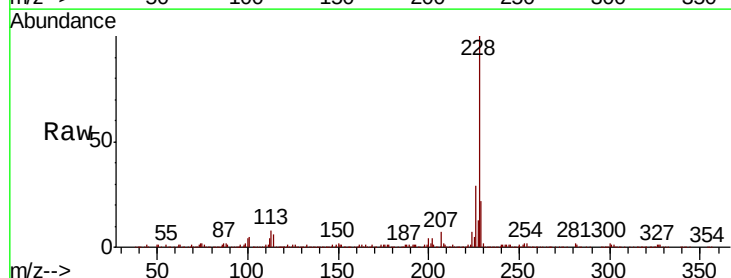
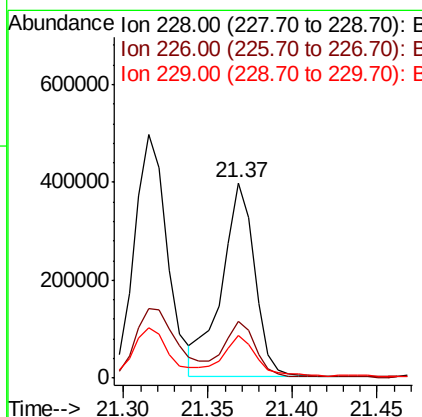
RT: 21.37 min Scan# 3125

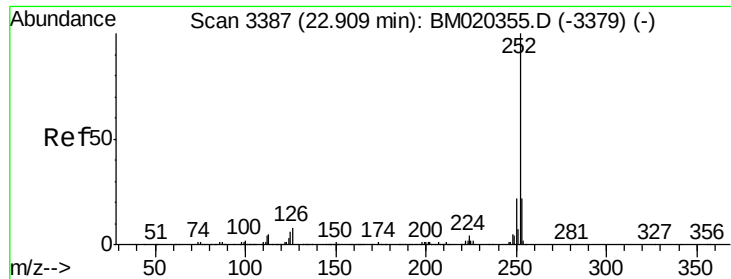
Delta R.T. 0.01 min

Lab File: BM020360.D

Acq: 17 May 2019 12:10

Tgt Ion:	228	Resp:	544219
Ion Ratio	Lower	Upper	
228	100		
226	29.3	22.2	33.4
229	21.7	15.4	23.2





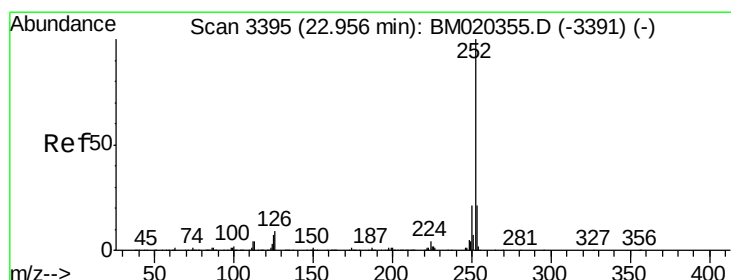
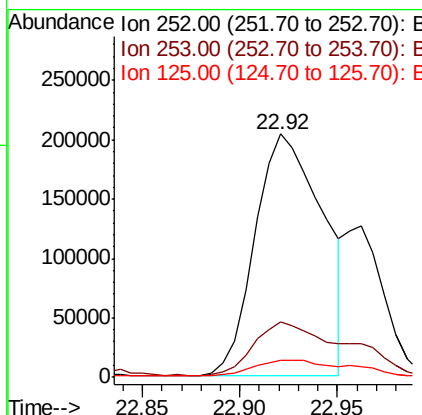
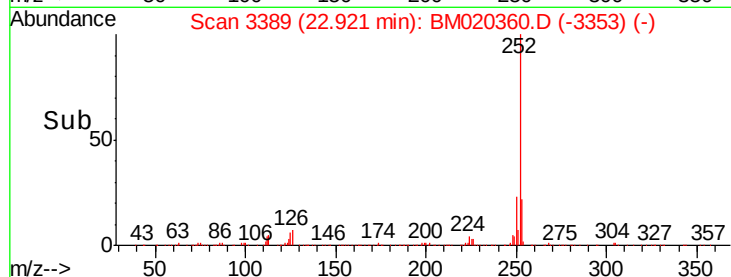
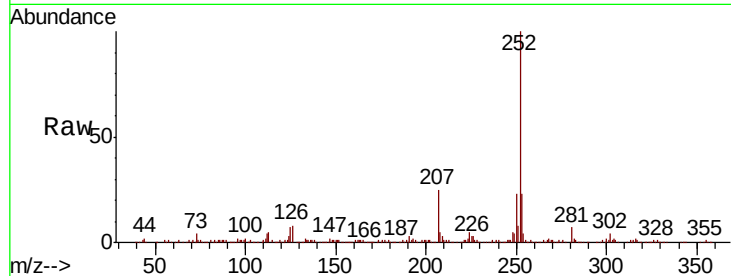
#87
Benzo(b)fluoranthene
Concen: 22.685 ng/ul
RT: 22.92 min Scan# 3389
Delta R.T. 0.01 min
Lab File: BM020360.D
Acq: 17 May 2019 12:10

Instrument :
BNA_M
ClientSampled :
GAJ76DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	6.9	5.0	7.4

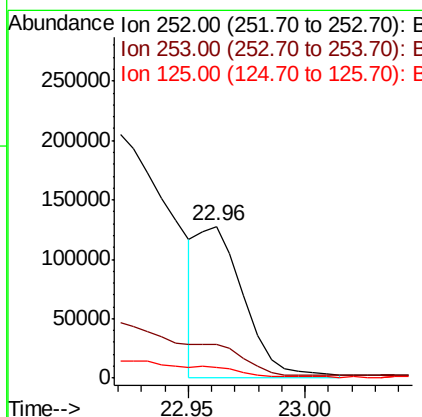
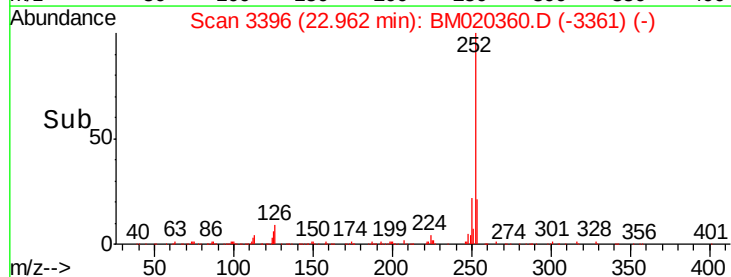
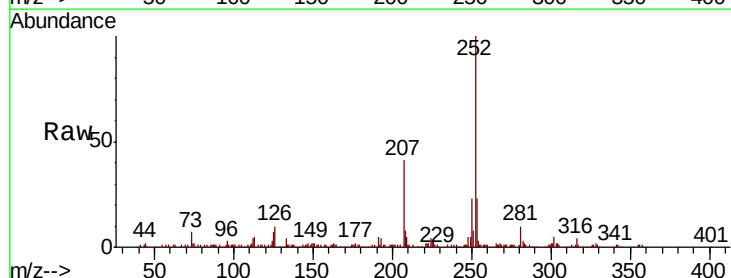
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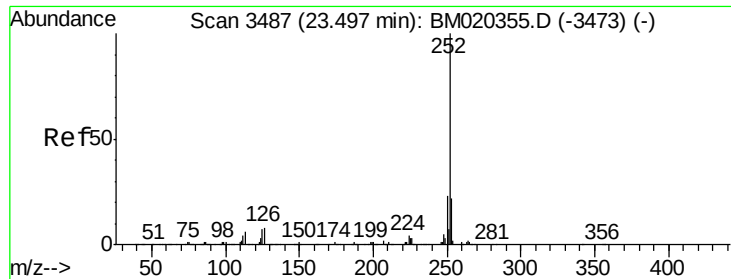
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#88
Benzo(k)fluoranthene
Concen: 8.332 ng/ul m
RT: 22.96 min Scan# 3396
Delta R.T. 0.01 min
Lab File: BM020360.D
Acq: 17 May 2019 12:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.6	26.4
125	7.0	5.0	7.6





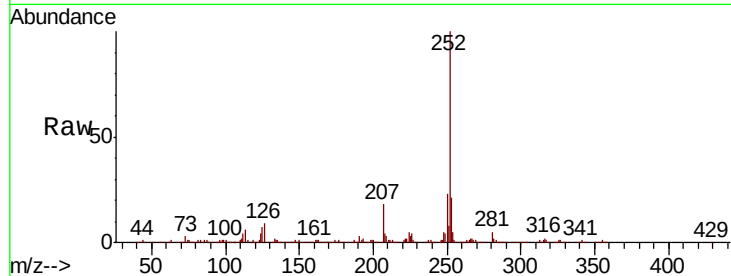
#90
Benzo(a)pyrene
Concen: 24.571 ng/ul
RT: 23.51 min Scan# 3489
Delta R.T. 0.01 min
Lab File: BM020360.D
Acq: 17 May 2019 12:10

Instrument :
BNA_M
ClientSampleId :
GAJ76DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	7.3	5.4	8.2

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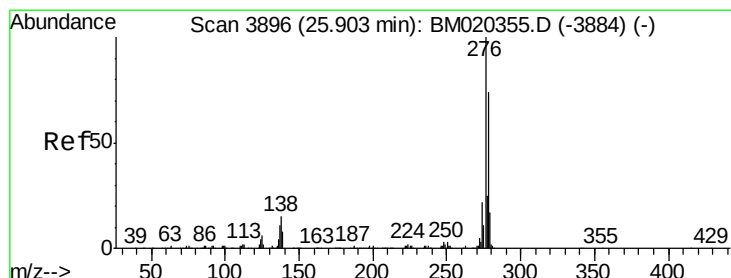
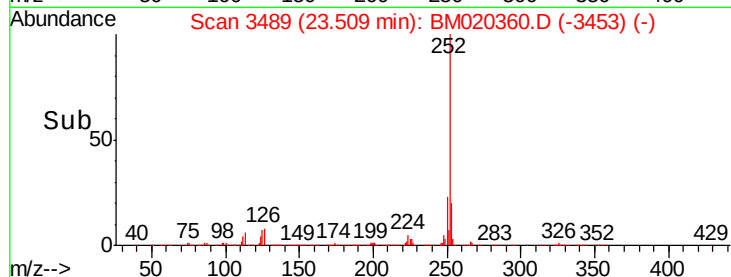
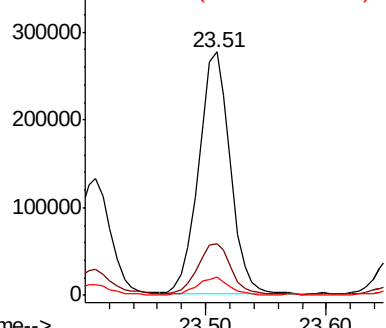


Abundance

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



#91
Indeno(1,2,3-cd)pyrene
Concen: 9.274 ng/ul
RT: 25.90 min Scan# 3896
Delta R.T. -0.00 min
Lab File: BM020360.D
Acq: 17 May 2019 12:10

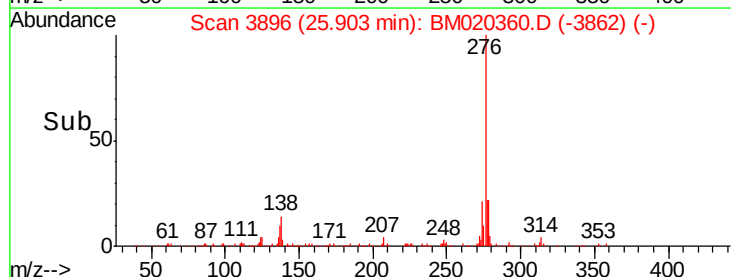
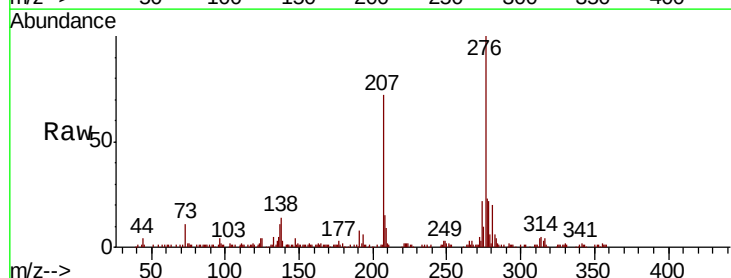
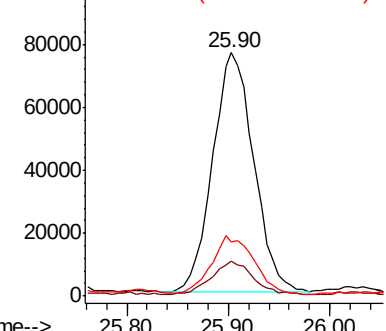
Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.3	12.3	18.5
277	22.5	20.0	30.0

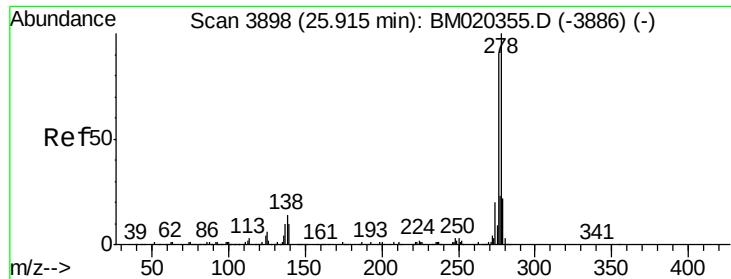
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





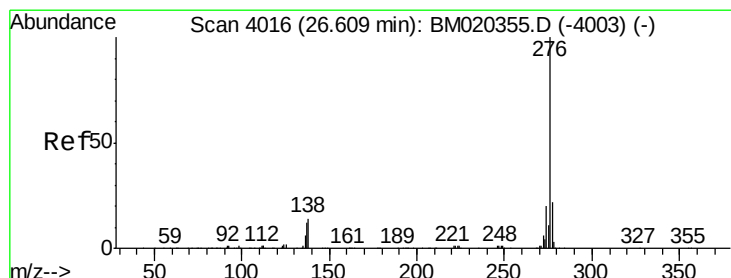
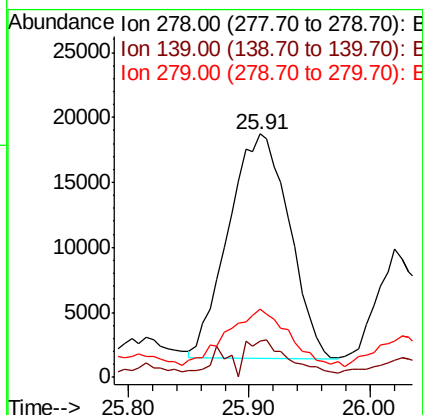
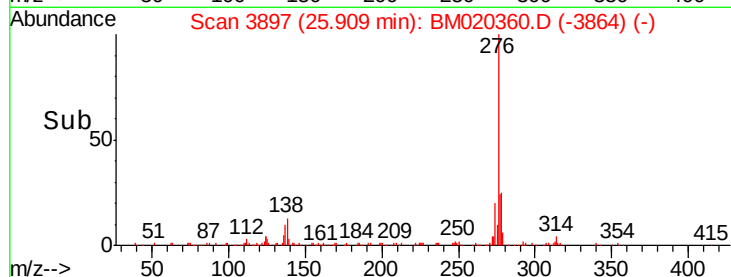
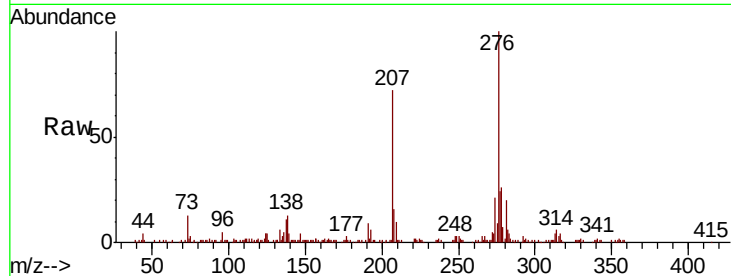
#92
Dibenzo(a,h)anthracene
Concen: 3.054 ng/ul
RT: 25.91 min Scan# 3897
Delta R.T. -0.01 min
Lab File: BM020360.D
Acq: 17 May 2019 12:10

Instrument :
BNA_M
ClientSampled :
GAJ76DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.0	8.1	12.1#
279	28.2	18.7	28.1#

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#93
Benzo(g,h,i)perylene
Concen: 10.408 ng/ul
RT: 26.61 min Scan# 4017
Delta R.T. 0.01 min
Lab File: BM020360.D
Acq: 17 May 2019 12:10

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.2	10.0	15.0
277	24.0	18.2	27.4

