

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
 Data File : BM022310.D
 Acq On : 25 Aug 2019 02:20
 Operator : HP/JU
 Sample : K4373-19
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AF8

Manual Integrations
 APPROVED

JAGRUT
 8/27/2019 7:50:29 AM

Quant Time: Aug 26 12:04:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 26 01:32:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	47338	20.00	ng/ul	0.00
18) Naphthalene-d8	10.37	136	117098m	20.00	ng/ul	0.05
35) Acenaphthene-d10	14.22	164	163369	20.00	ng/ul	0.01
61) Phenanthrene-d10	16.99	188	435943	20.00	ng/ul	0.01
77) Chrysene-d12	21.19	240	273279	20.00	ng/ul	0.01
85) Perylene-d12	23.39	264	257002	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	4456	4.21	ng/uL	0.00
5) Phenol-d5	6.75	99	27953	6.84	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	65699	27.65	ng/ul	0.00
9) 2-Chlorophenol-d4	7.09	132	80176	24.30	ng/ul	0.00
13) 4-Methylphenol-d8	8.28	113	54657	15.44	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	54707	62.66	ng/ul	0.01
22) 2-Nitrophenol-d4	9.45	143	61988	61.00	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.99	165	114871	55.53	ng/ul	0.03
29) 4-Chloroaniline-d4	10.48	131	76296m	30.32	ng/ul	-0.01
43) Dimethylphthalate-d6	13.67	166	426930	29.67	ng/ul	0.04
46) Acenaphthylene-d8	13.91	160	462093	29.82	ng/ul	0.01
51) 4-Nitrophenol-d4	14.52	143	45924m	21.55	ng/ul	0.05
57) Fluorene-d10	15.22	176	379582	31.81	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.42	200	41674	12.39	ng/ul	0.04
70) Anthracene-d10	17.09	188	1095049	47.44	ng/ul	0.02
78) Pyrene-d10	19.39	212	688507	48.48	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.25	264	479449	33.96	ng/ul	0.02

Target Compounds

					Ovalue	
6) Phenol	6.78	94	16208	3.705	ng/ul#	80
10) 2-Chlorophenol	7.12	128	19997	5.840	ng/ul	95
11) 2-Methylphenol	8.02	108	322675	93.662	ng/ul	96
14) Acetophenone	8.42	105	17265	2.820	ng/ul#	82
16) 4-Methylphenol	8.35	108	110415	29.150	ng/ul	99
24) 2,4-Dimethylphenol	9.56	107	1475404	563.642	ng/ul	96
27) 2,4-Dichlorophenol	10.06	162	54369	25.940	ng/ul#	94
28) Naphthalene	10.42	128	48460339m	7499.040	ng/ul	
34) 2-Methylnaphthalene	12.02	142	2560154	514.192	ng/ul	96
40) 1,1'-Biphenyl	13.04	154	1414963	106.426	ng/ul	99
44) Dimethylphthalate	13.72	163	54609	3.730	ng/ul	97
47) Acenaphthylene	13.93	152	63293	3.939	ng/ul#	65
49) Acenaphthene	14.32	153	14370121	1259.595	ng/ul	96
53) Dibenzofuran	14.64	168	10079296	593.181	ng/ul	87
58) Fluorene	15.30	166	7709748	538.701	ng/ul	98
68) Pentachlorophenol	16.65	266	92496	22.021	ng/ul	97
69) Phenanthrene	17.05	178	11490262	440.575	ng/ul	96
71) Anthracene	17.12	178	576846	21.255	ng/ul	97
74) Carbazole	17.44	167	9686626	395.164	ng/ul	97
76) Fluoranthene	19.06	202	799170	20.334	ng/ul	98
79) Pyrene	19.42	202	443668	25.082	ng/ul	98
82) Benzo(a)anthracene	21.17	228	32174	1.564	ng/ul#	91
84) Chrysene	21.23	228	26086	1.356	ng/ul#	81

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

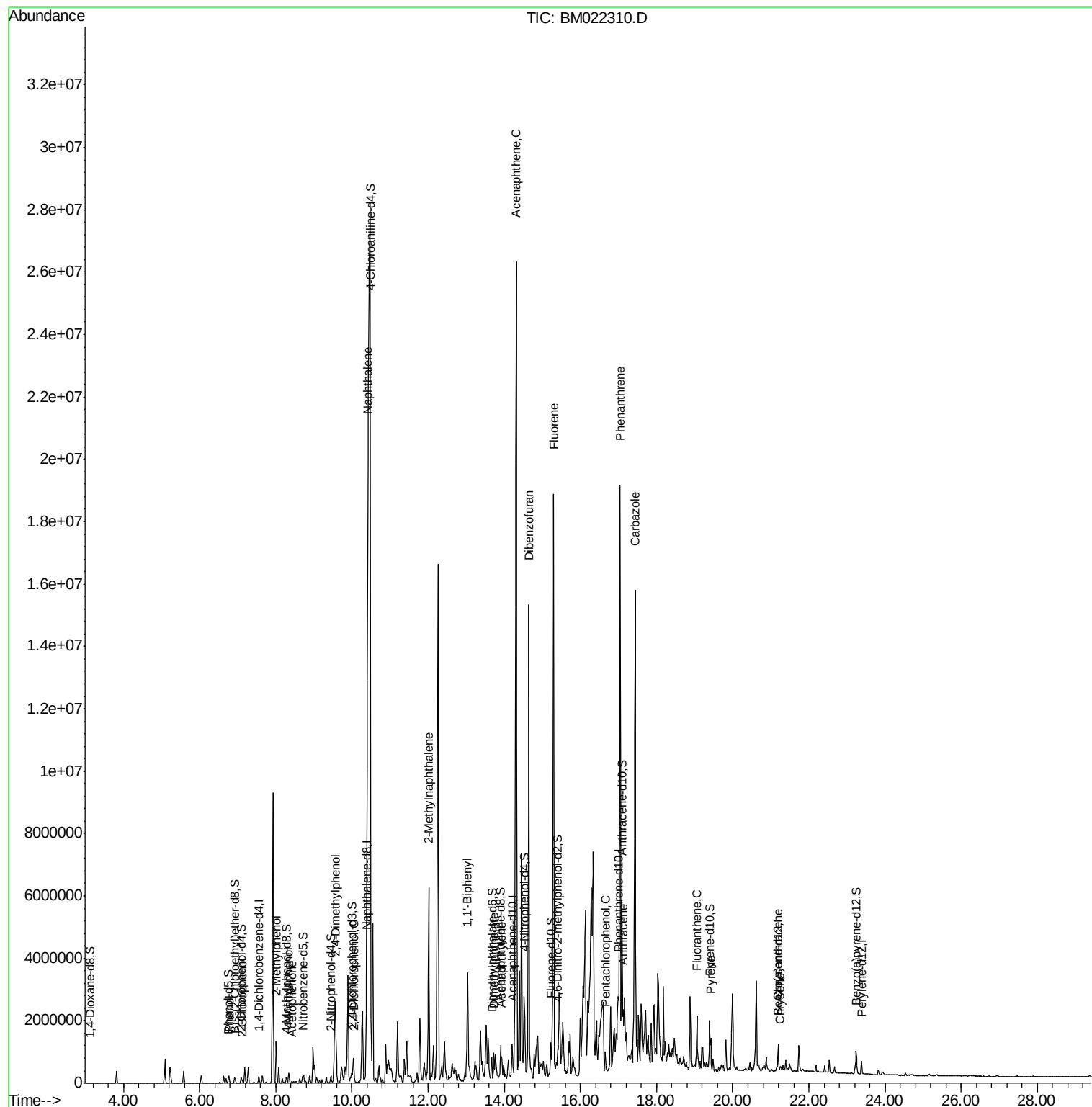
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
Data File : BM022310.D
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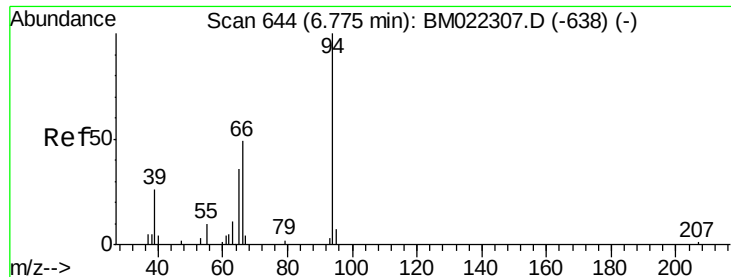
Instrument :
BNA_M
ClientSampleId :
C0AF8

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Quant Time: Aug 26 12:04:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 26 01:32:10 2019
Response via : Initial Calibration





#6

Phenol

Concen: 3.705 ng/ul

RT: 6.78 min Scan# 645

Delta R.T. 0.01 min

Lab File: BM022310.D

Acq: 25 Aug 2019 02:20

Instrument :

BNA_M

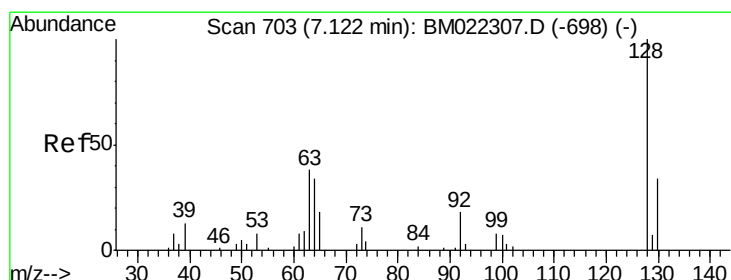
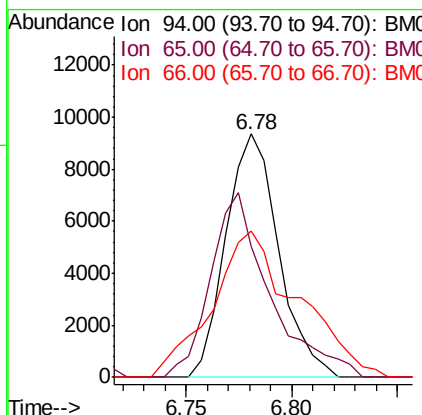
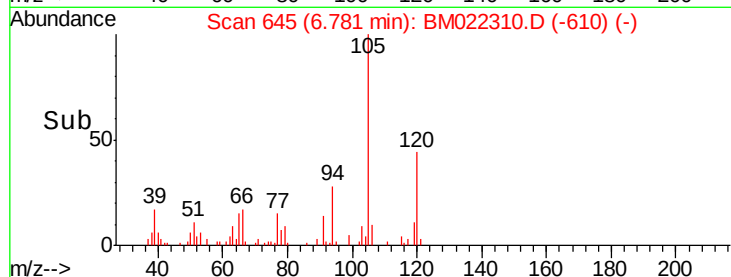
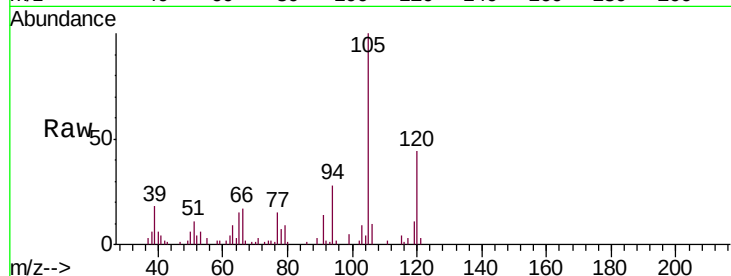
ClientSampleId :

C0AF8

Tot Ion:	94	Resp:	16208
Ion Ratio	Lower	Upper	
94	100		
65	54.0	29.2	43.8#
66	60.2	40.6	60.8

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#10

2-Chlorophenol

Concen: 5.840 ng/ul

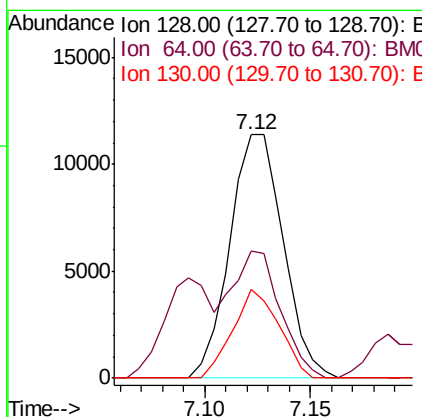
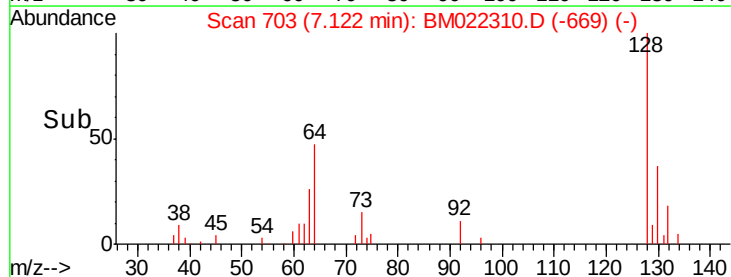
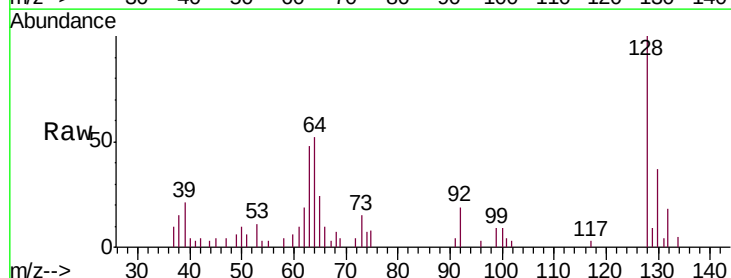
RT: 7.12 min Scan# 703

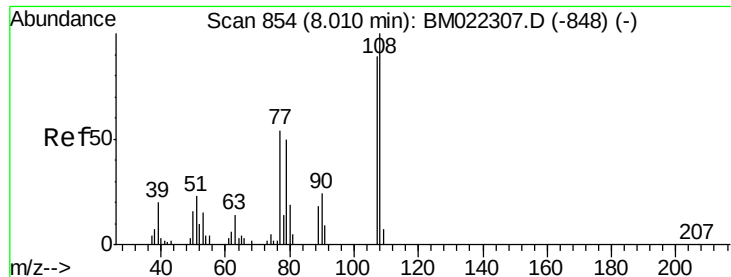
Delta R.T. -0.00 min

Lab File: BM022310.D

Acq: 25 Aug 2019 02:20

Tgt Ion:	128	Resp:	19997
Ion Ratio	Lower	Upper	
128	100		
64	52.1	38.6	57.8
130	36.7	27.0	40.6





#11

2-Methylphenol

Concen: 93.662 ng/ul

RT: 8.02 min Scan# 855

Delta R.T. 0.01 min

Lab File: BM022310.D

Acq: 25 Aug 2019 02:20

Instrument :

BNA_M

ClientSampled :

C0AF8

Tot Ion:108 Resp: 322675

Ion Ratio Lower Upper

108 100

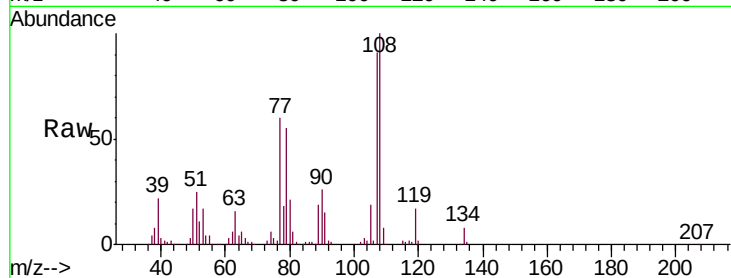
107 91.3 70.1 105.1

Manual Integrations

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Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

8.02

200000

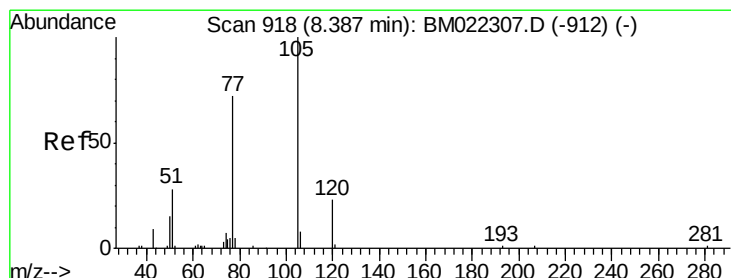
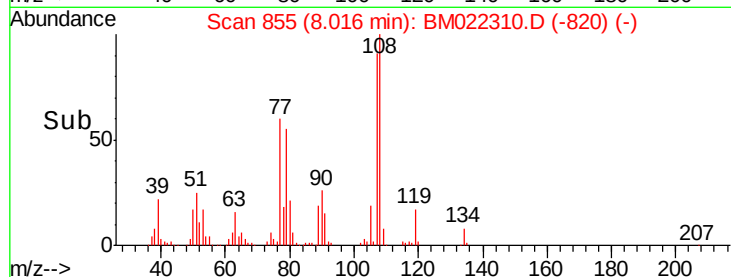
150000

100000

50000

0

Time-->



#14

Acetophenone

Concen: 2.820 ng/ul

RT: 8.42 min Scan# 924

Delta R.T. 0.04 min

Lab File: BM022310.D

Acq: 25 Aug 2019 02:20

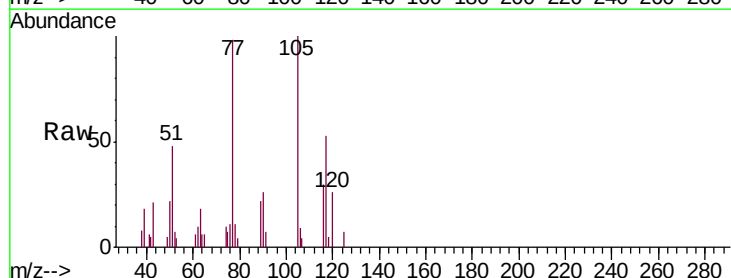
Tgt Ion:105 Resp: 17265

Ion Ratio Lower Upper

105 100

77 98.3 68.4 102.6

51 47.9 25.0 37.4#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0

40000

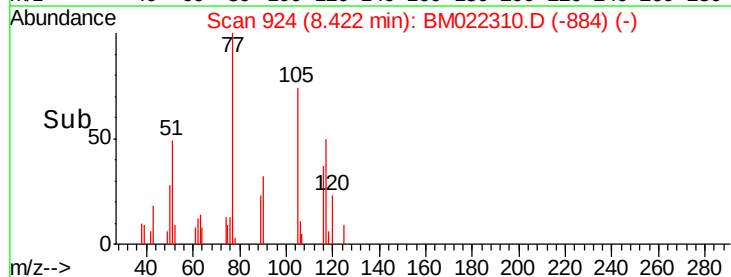
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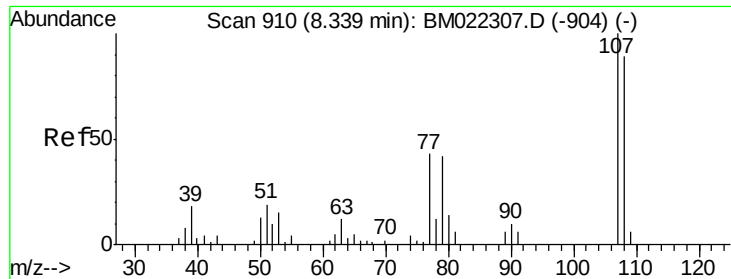
20000

10000

0

Time-->





#16

4-Methylphenol

Concen: 29.150 ng/ul

RT: 8.35 min Scan# 911

Delta R.T. 0.01 min

Lab File: BM022310.D

Acq: 25 Aug 2019 02:20

Instrument :

BNA_M

ClientSampleId :

C0AF8

Tot Ion:108 Resp: 110415

Ion Ratio Lower Upper

108 100

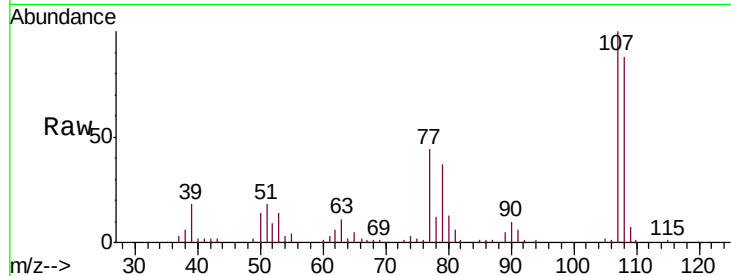
107 114.1 90.8 136.2

Manual Integrations

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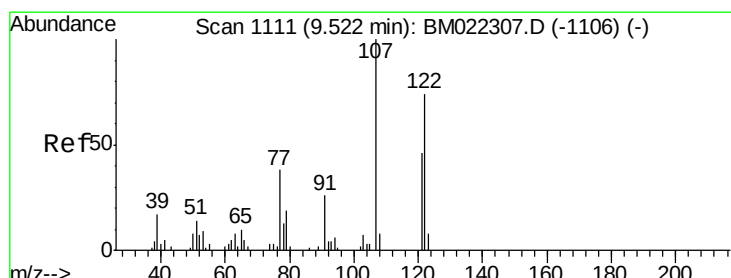
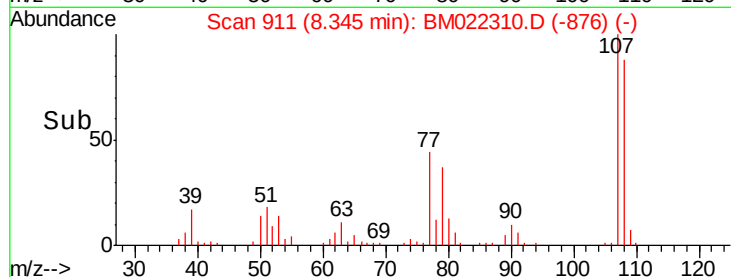
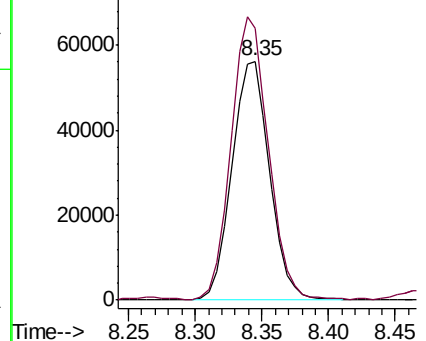
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Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#24

2,4-Dimethylphenol

Concen: 563.642 ng/ul

RT: 9.56 min Scan# 1117

Delta R.T. 0.04 min

Lab File: BM022310.D

Acq: 25 Aug 2019 02:20

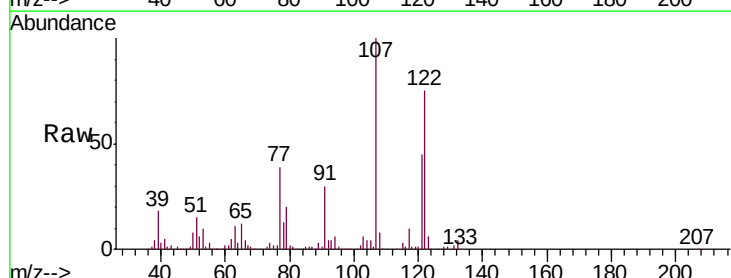
Tgt Ion:107 Resp: 1475404

Ion Ratio Lower Upper

107 100

121 44.9 33.6 50.4

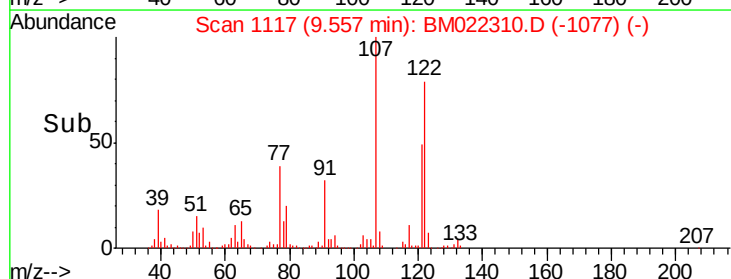
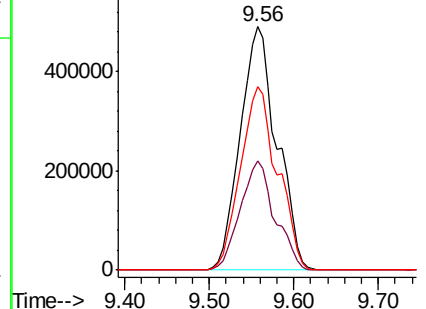
122 75.1 58.0 87.0

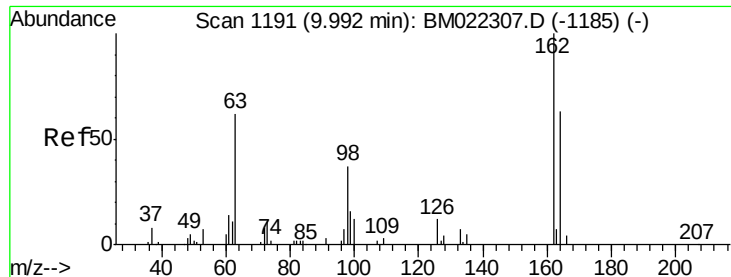


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E





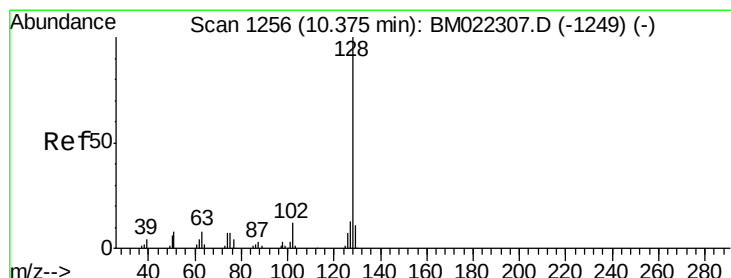
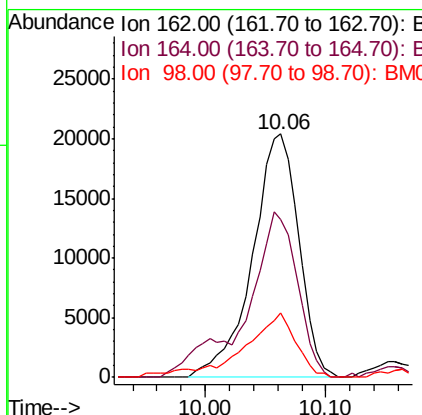
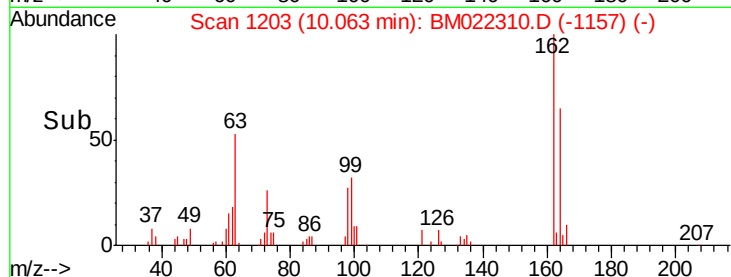
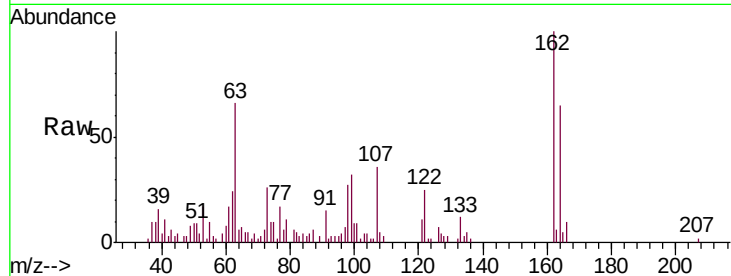
#27
2,4-Dichlorophenol
Concen: 25.940 ng/ul
RT: 10.06 min Scan# 1203
Delta R.T. 0.07 min
Lab File: BM022310.D
Acq: 25 Aug 2019 02:20

Instrument :
BNA_M
ClientSampled :
C0AF8

Tot Ion	Ratio	Lower	Upper
162	100		
164	65.0	52.1	78.1
98	26.6	29.2	43.8

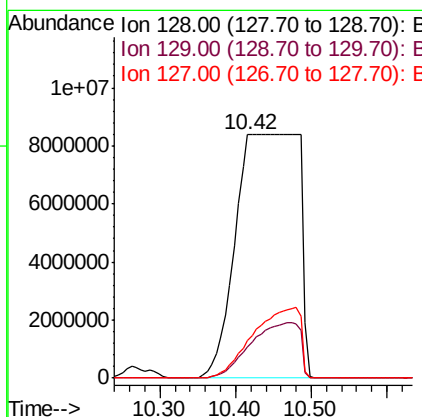
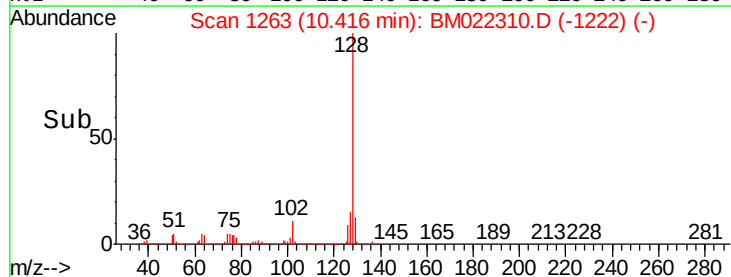
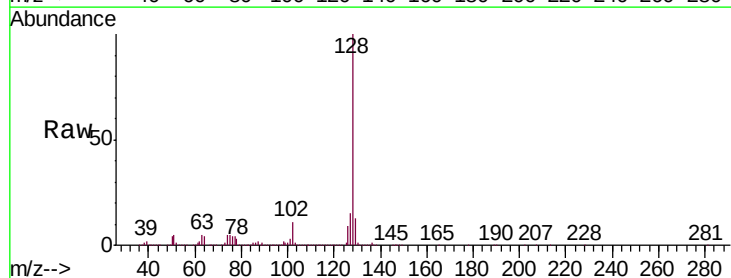
Manual Integrations
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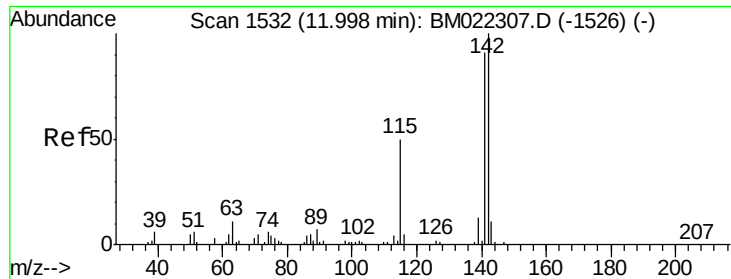
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#28
Naphthalene
Concen: 7499.040 ng/ul m
RT: 10.42 min Scan# 1263
Delta R.T. 0.04 min
Lab File: BM022310.D
Acq: 25 Aug 2019 02:20

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.9	8.6	13.0
127	15.4	10.4	15.6





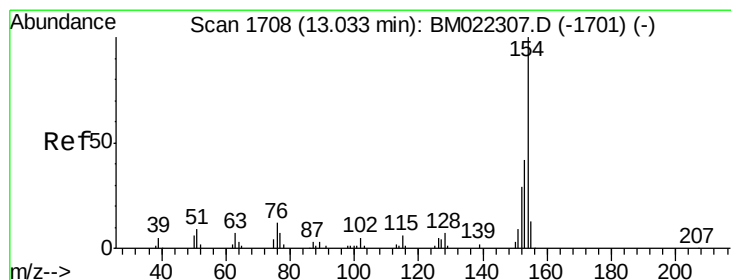
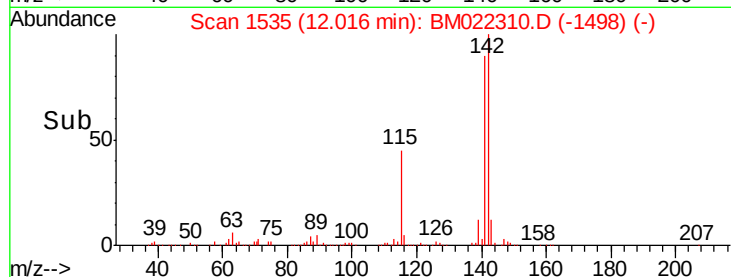
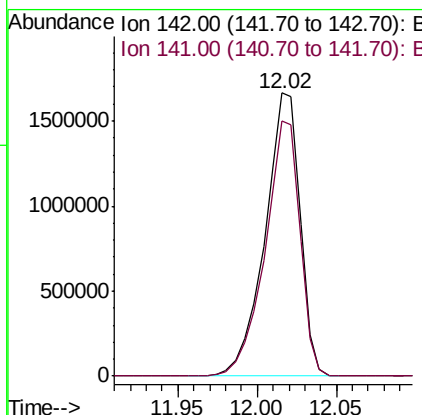
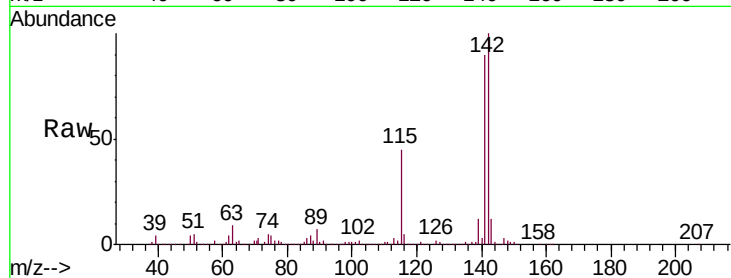
#34
 2-Methylnaphthalene
 Concen: 514.192 ng/ul
 RT: 12.02 min Scan# 1535
 Delta R.T. 0.02 min
 Lab File: BM022310.D
 Acq: 25 Aug 2019 02:20

Instrument :
 BNA_M
 ClientSampleId :
 C0AF8

Tot Ion:142 Resp: 2560154
 Ion Ratio Lower Upper
 142 100
 141 90.1 75.1 112.7

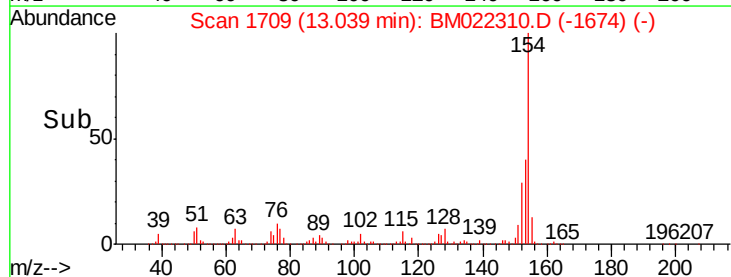
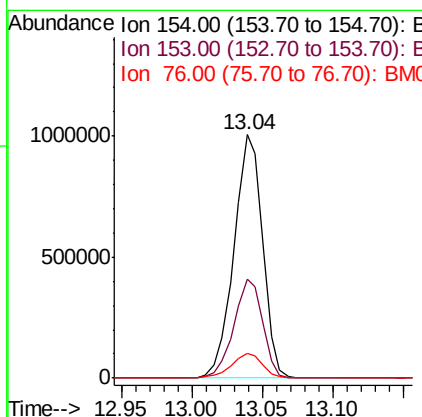
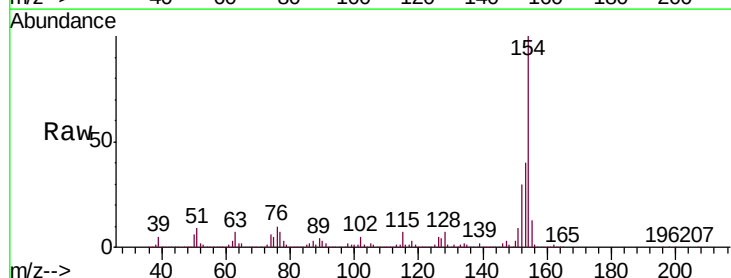
Manual Integrations
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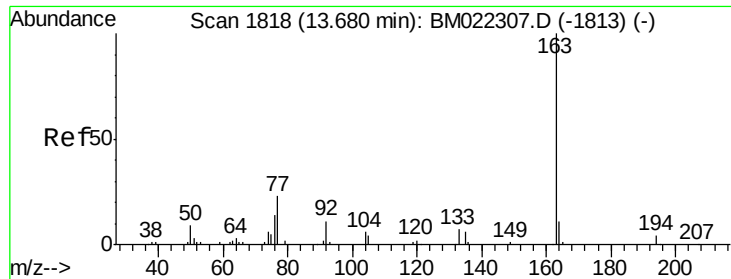
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#40
 1,1'-Biphenyl
 Concen: 106.426 ng/ul
 RT: 13.04 min Scan# 1709
 Delta R.T. 0.01 min
 Lab File: BM022310.D
 Acq: 25 Aug 2019 02:20

Tgt Ion:154 Resp: 1414963
 Ion Ratio Lower Upper
 154 100
 153 40.5 32.5 48.7
 76 10.0 9.2 13.8





#44

Dimethylphthalate

Concen: 3.730 ng/ul

RT: 13.72 min Scan# 1825

Delta R.T. 0.04 min

Lab File: BM022310.D

Acq: 25 Aug 2019 02:20

Instrument :

BNA_M

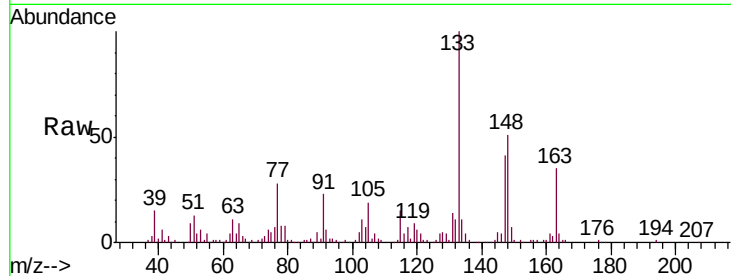
ClientSampled :

C0AF8

Tot Ion:	163	Resp:	54609
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.0	4.6
164	11.2	7.8	11.8

Manual Integrations
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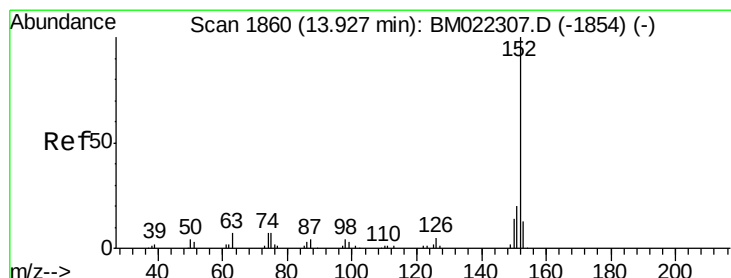
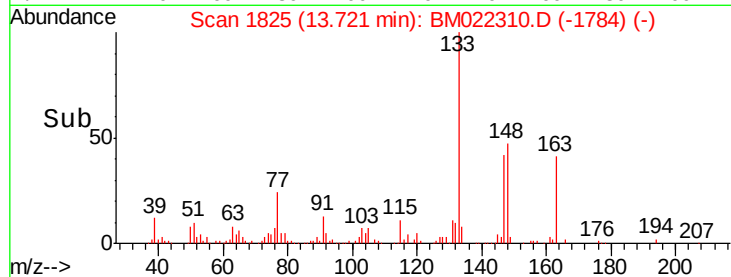
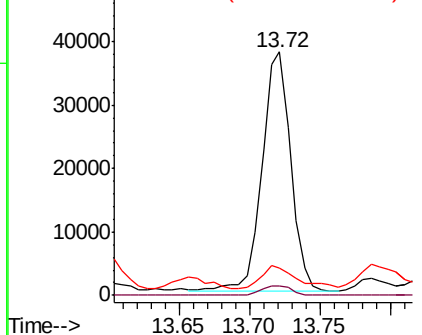


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#47

Acenaphthylene

Concen: 3.939 ng/ul

RT: 13.93 min Scan# 1861

Delta R.T. 0.01 min

Lab File: BM022310.D

Acq: 25 Aug 2019 02:20

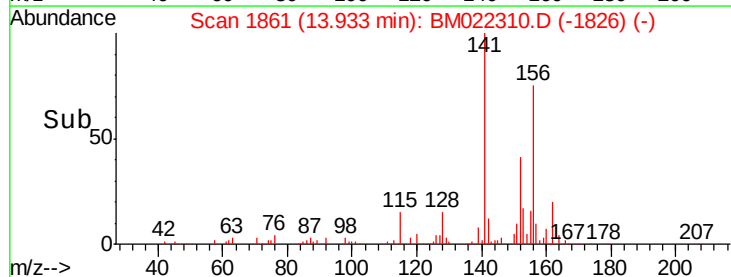
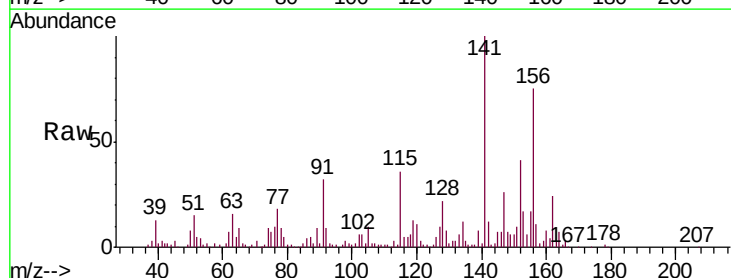
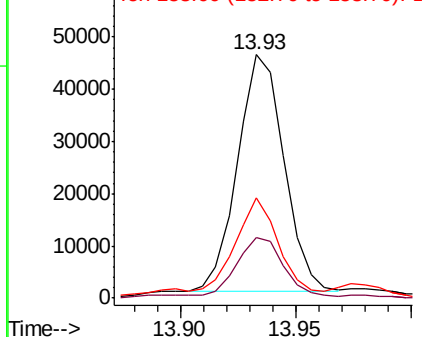
Tgt Ion:	152	Resp:	63293
Ion Ratio	Lower	Upper	
152	100		
151	24.9	16.0	24.0#
153	41.3	10.4	15.6#

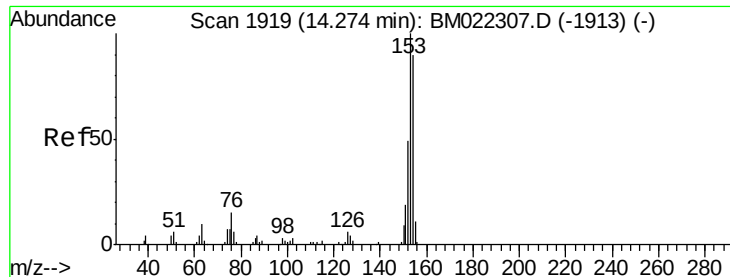
Abundance

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: 1259.595 ng/ul

RT: 14.32 min Scan# 1926

Delta R.T. 0.04 min

Lab File: BM022310.D

Acq: 25 Aug 2019 02:20

Instrument :

BNA_M

ClientSampleId :

C0AF8

Tot Ion:153 Resp:14370121

Ion Ratio Lower Upper

153 100

152 49.9 38.6 58.0

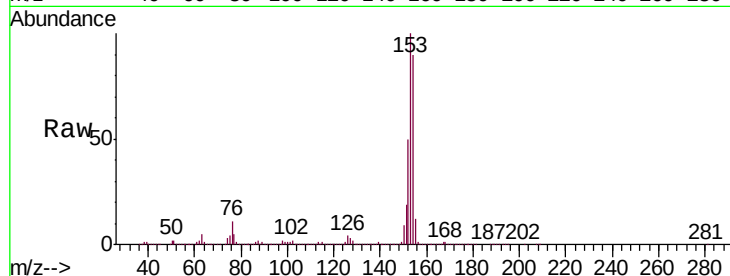
154 90.1 68.9 103.3

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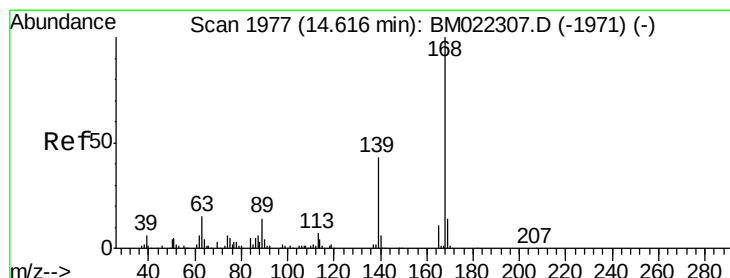
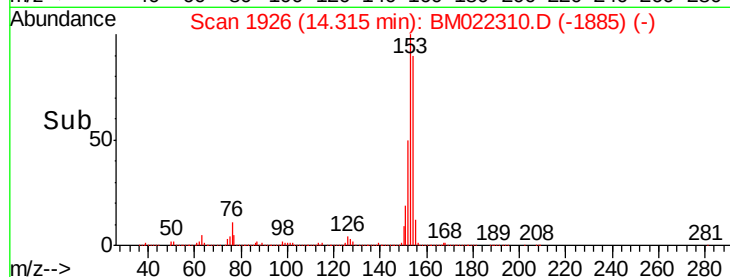
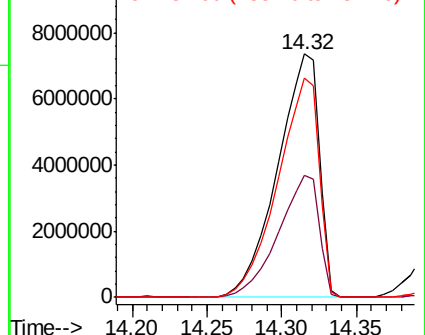
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Abundance Ion 153.00 (152.70 to 153.70): E
1e+07 Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 593.181 ng/ul

RT: 14.64 min Scan# 1982

Delta R.T. 0.03 min

Lab File: BM022310.D

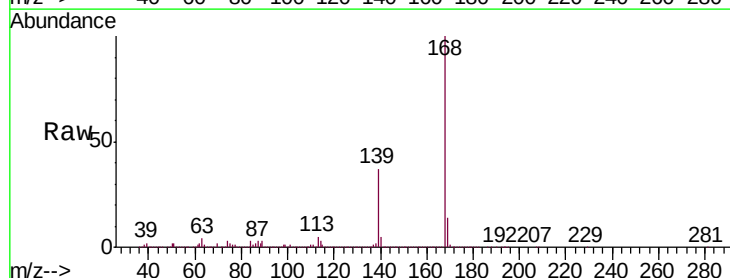
Acq: 25 Aug 2019 02:20

Tgt Ion:168 Resp:10079296

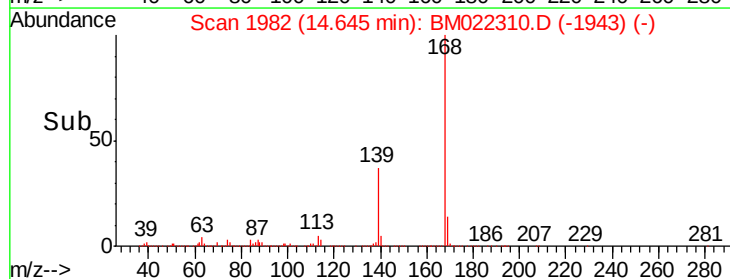
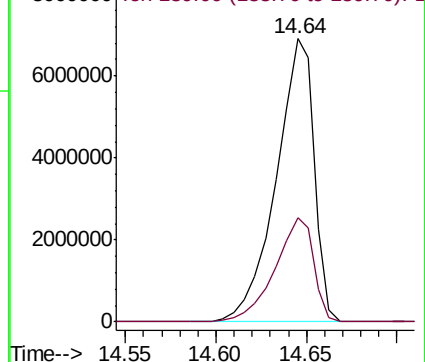
Ion Ratio Lower Upper

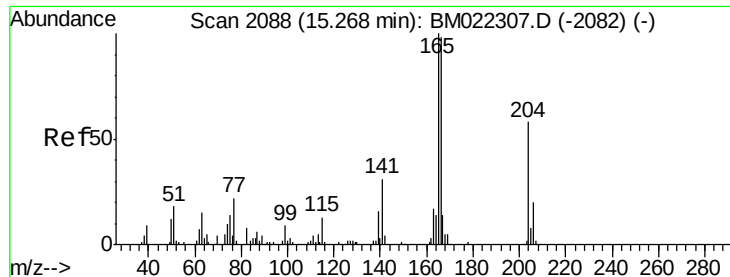
168 100

139 36.6 36.2 54.4



Abundance Ion 168.00 (167.70 to 168.70): E
8000000 Ion 139.00 (138.70 to 139.70): E





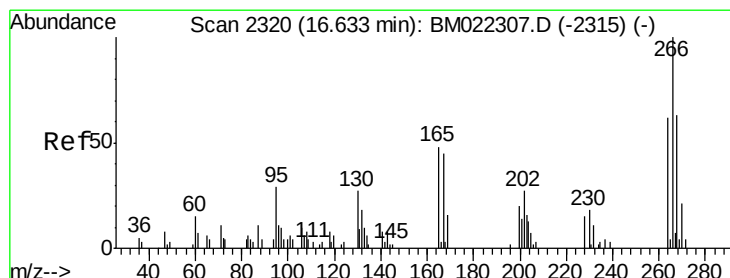
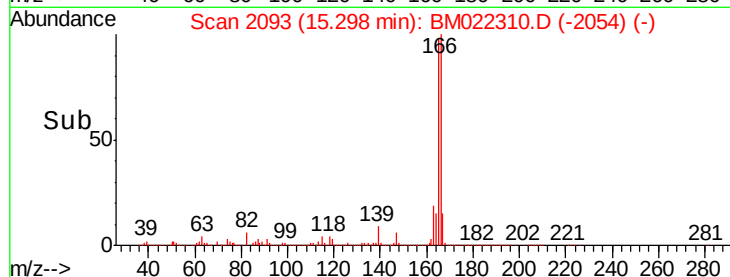
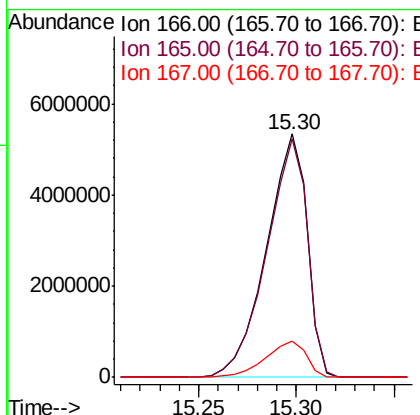
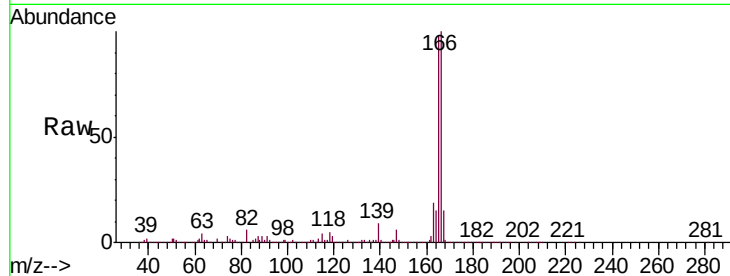
#58
 Fluorene
 Concen: 538.701 ng/ul
 RT: 15.30 min Scan# 2093
 Delta R.T. 0.03 min
 Lab File: BM022310.D
 Acq: 25 Aug 2019 02:20

Instrument :
 BNA_M
 ClientSampleId :
 C0AF8

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.9	80.2	120.2
167	14.7	11.4	17.0

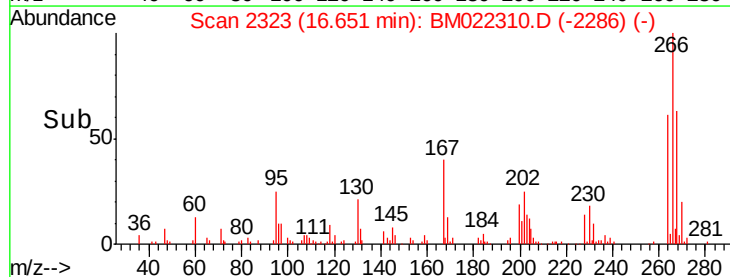
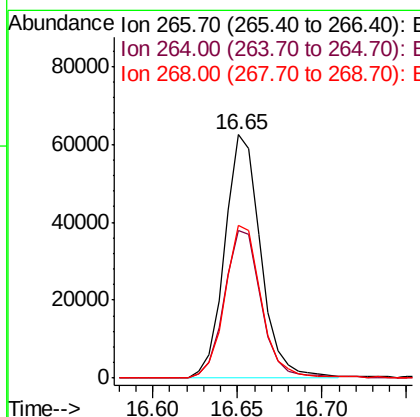
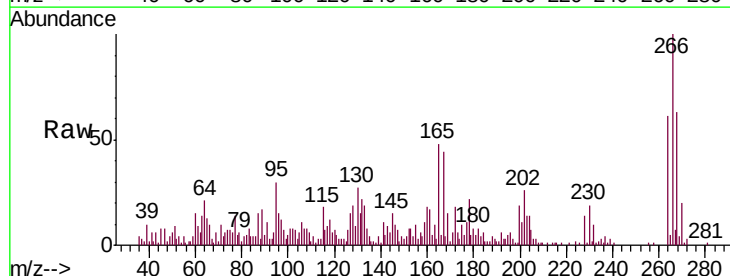
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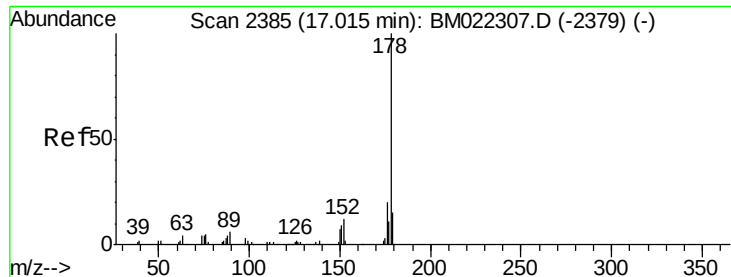
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#68
 Pentachlorophenol
 Concen: 22.021 ng/ul
 RT: 16.65 min Scan# 2323
 Delta R.T. 0.02 min
 Lab File: BM022310.D
 Acq: 25 Aug 2019 02:20

Tgt Ion	Ratio	Lower	Upper
266	100		
264	60.7	51.3	76.9
268	62.8	49.4	74.2





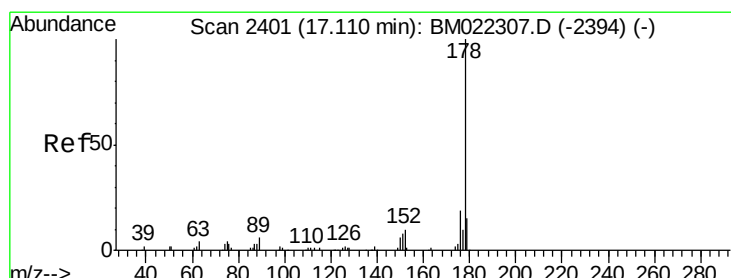
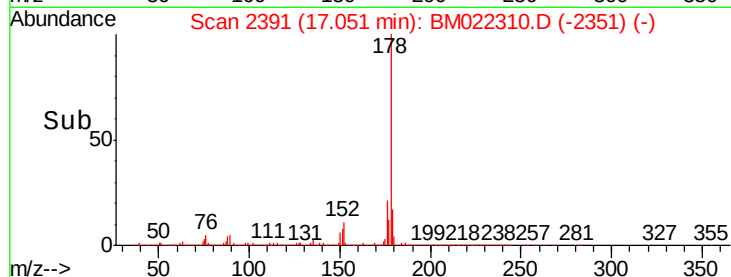
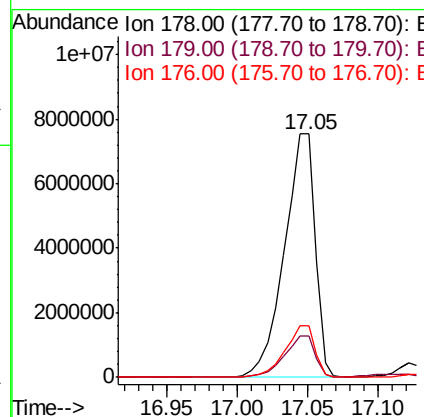
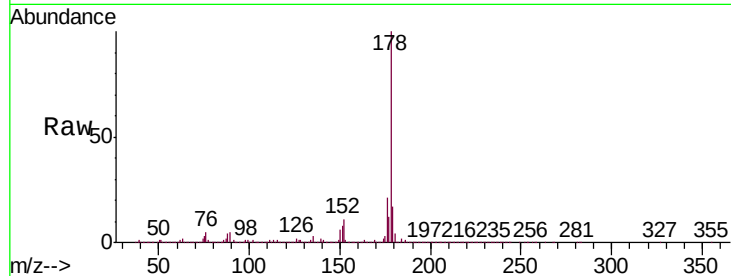
#69
 Phenanthrene
 Concen: 440.575 ng/ul
 RT: 17.05 min Scan# 2391
 Delta R.T. 0.04 min
 Lab File: BM022310.D
 Acq: 25 Aug 2019 02:20

Instrument :
 BNA_M
 ClientSampleId :
 C0AF8

Tot Ion:178 Resp:11490262
 Ion Ratio Lower Upper
 178 100
 179 16.7 12.4 18.6
 176 21.0 15.4 23.0

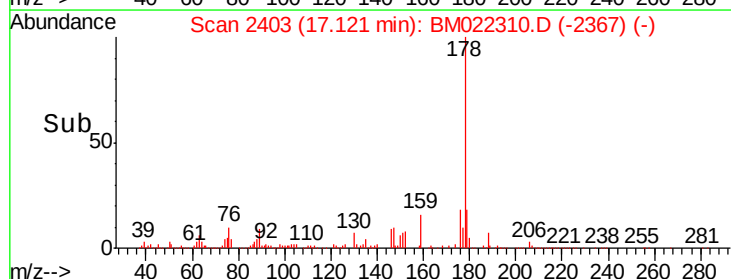
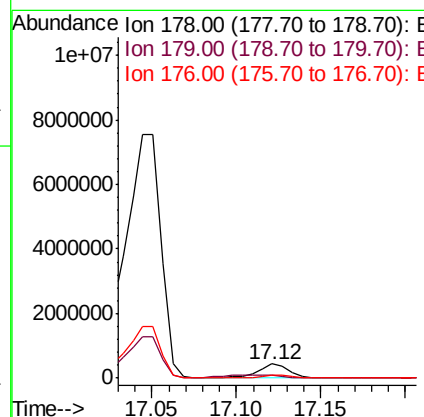
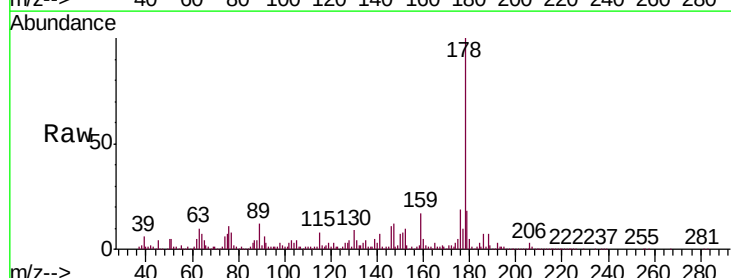
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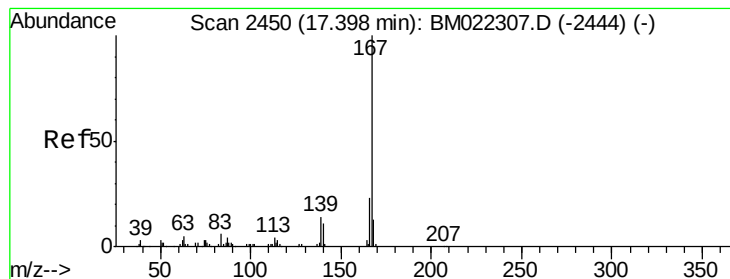
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#71
 Anthracene
 Concen: 21.255 ng/ul
 RT: 17.12 min Scan# 2403
 Delta R.T. 0.01 min
 Lab File: BM022310.D
 Acq: 25 Aug 2019 02:20

Tgt Ion:178 Resp: 576846
 Ion Ratio Lower Upper
 178 100
 179 18.0 12.3 18.5
 176 19.1 15.5 23.3





#74

Carbazole

Concen: 395.164 ng/ul

RT: 17.44 min Scan# 2457

Delta R.T. 0.04 min

Lab File: BM022310.D

Acq: 25 Aug 2019 02:20

Instrument :

BNA_M

ClientSampleId :

C0AF8

Tot Ion:167 Resp: 9686626

Ion Ratio Lower Upper

167 100

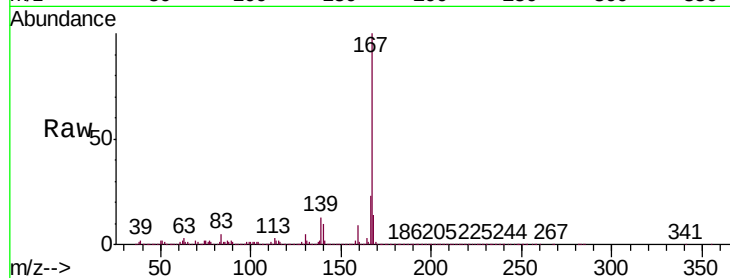
166 22.9 17.8 26.8

139 12.5 11.8 17.8

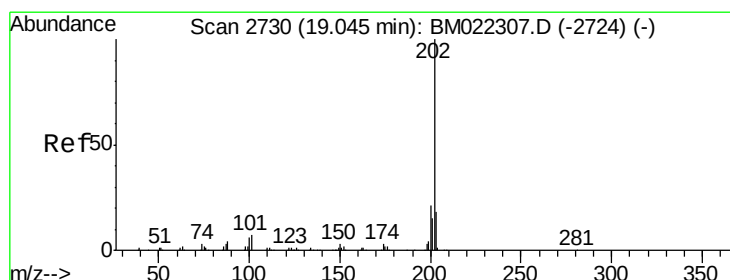
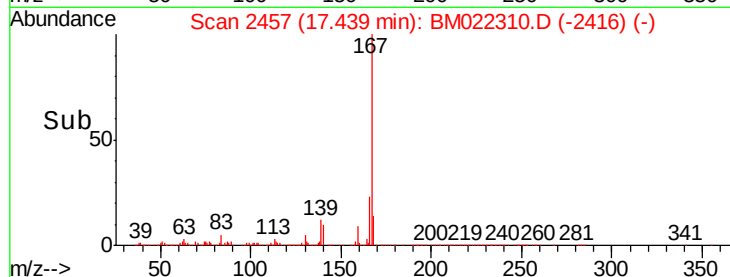
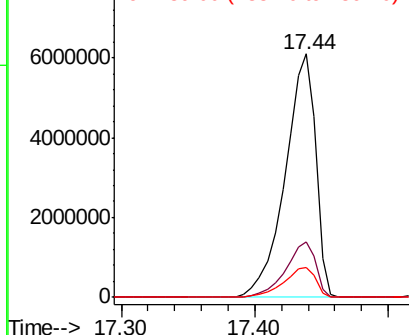
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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#76

Fluoranthene

Concen: 20.334 ng/ul

RT: 19.06 min Scan# 2733

Delta R.T. 0.02 min

Lab File: BM022310.D

Acq: 25 Aug 2019 02:20

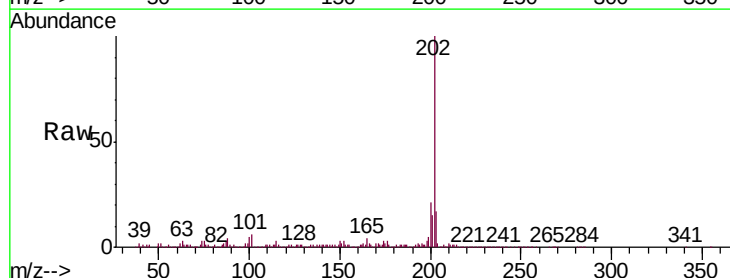
Tgt Ion:202 Resp: 799170

Ion Ratio Lower Upper

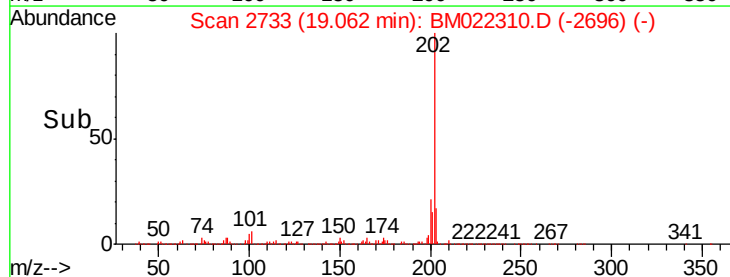
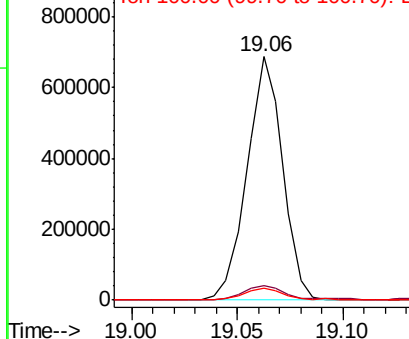
202 100

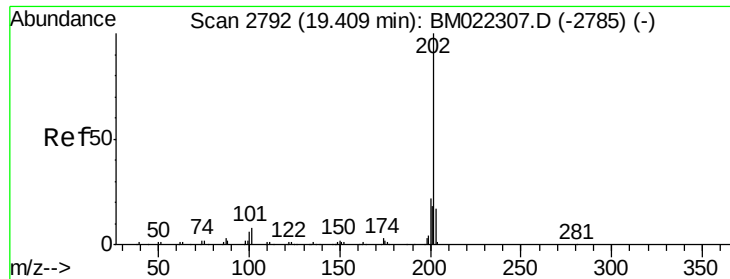
101 5.9 5.3 7.9

100 4.7 4.6 6.8



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





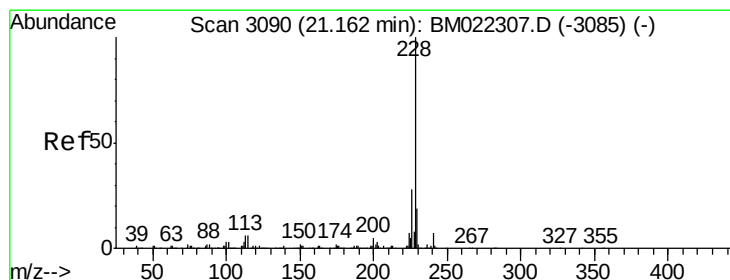
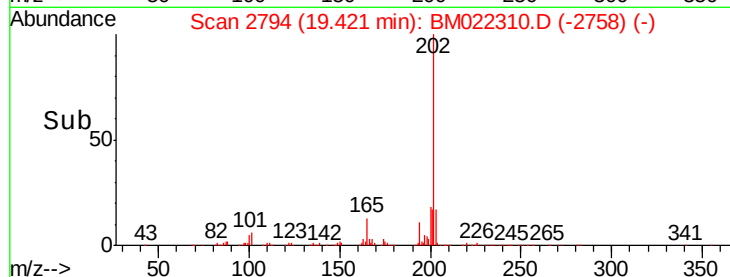
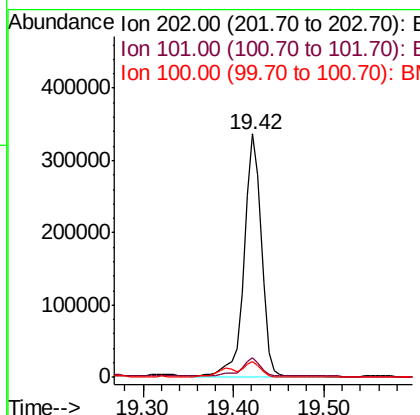
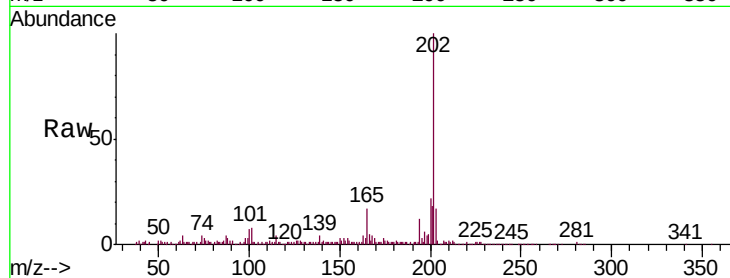
#79
Pvrene
Concen: 25.082 ng/ul
RT: 19.42 min Scan# 2794
Delta R.T. 0.01 min
Lab File: BM022310.D
Acq: 25 Aug 2019 02:20

Instrument :
BNA_M
ClientSampleId :
C0AF8

Tot Ion	Ratio	Resp	Lower	Upper
202	100	443668		
101	8.1	7.0	10.4	
100	6.6	5.8	8.8	

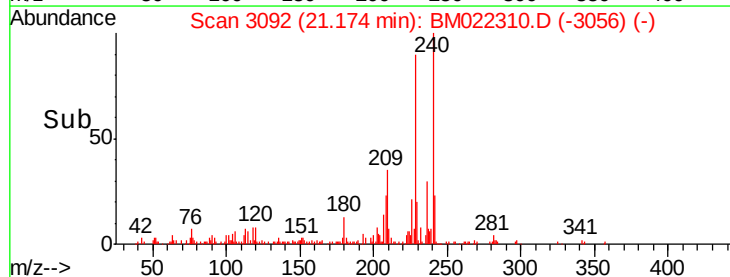
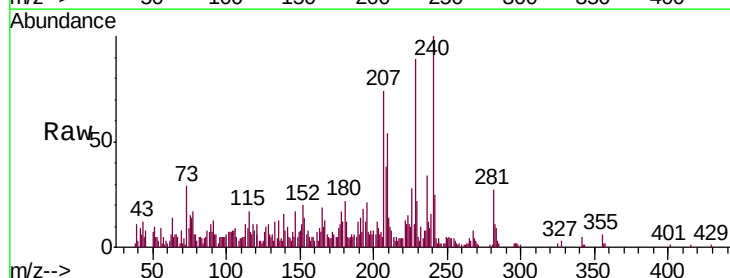
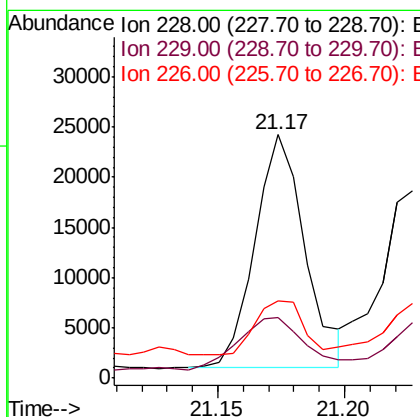
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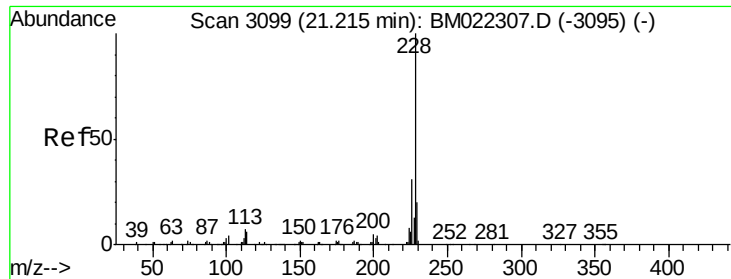
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#82
Benzo(a)anthracene
Concen: 1.564 ng/ul
RT: 21.17 min Scan# 3092
Delta R.T. 0.01 min
Lab File: BM022310.D
Acq: 25 Aug 2019 02:20

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	32174		
229	24.7	15.2	22.8#	
226	31.6	22.3	33.5	





#84
 Chrysene
 Concen: 1.356 ng/ul
 RT: 21.23 min Scan# 3101
 Delta R.T. 0.01 min
 Lab File: BM022310.D
 Acq: 25 Aug 2019 02:20

Instrument :
 BNA_M
 ClientSampleId :
 C0AF8

Tot Ion	Ratio	Lower	Upper
228	100		
226	40.1	24.7	37.1#
229	29.6	15.7	23.5#

Manual Integrations
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