

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
 Data File : BM022308.D
 Acq On : 25 Aug 2019 01:05
 Operator : HP/JU
 Sample : K4373-11
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AB2

Manual Integrations
 APPROVED

JAGRUT
 8/27/2019 7:50:24 AM

Quant Time: Aug 26 11:30:22 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	7.56	152	40367	20.00	ng/ul	0.00
18) Naphthalene-d8	10.38	136	132268m	20.00	ng/ul	0.05
35) Acenaphthene-d10	14.22	164	152736	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	419263	20.00	ng/ul	0.01
77) Chrysene-d12	21.19	240	295119	20.00	ng/ul	0.00
85) Perylene-d12	23.38	264	257115	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	4000m	4.43	ng/uL	0.00
5) Phenol-d5	6.75	99	19466	5.59	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	56101	27.68	ng/ul	0.00
9) 2-Chlorophenol-d4	7.09	132	63905	22.72	ng/ul	0.00
13) 4-Methylphenol-d8	8.27	113	40375	13.37	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	45523	46.16	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	50954	44.39	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.99	165	92801	39.72	ng/ul	0.02
29) 4-Chloroaniline-d4	10.47	131	133783m	47.07	ng/ul	-0.02
43) Dimethylphthalate-d6	13.67	166	358673	26.67	ng/ul	0.04
46) Acenaphthylene-d8	13.90	160	396828	27.39	ng/ul	0.00
51) 4-Nitrophenol-d4	14.51	143	34053m	17.09	ng/ul	0.04
57) Fluorene-d10	15.22	176	331259	29.70	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.41	200	28945	8.95	ng/ul	0.03
70) Anthracene-d10	17.09	188	928483	41.82	ng/ul	0.01
78) Pyrene-d10	19.39	212	664560	43.33	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.24	264	433545	30.69	ng/ul	0.01

Target Compounds

					Ovalue
6) Phenol	6.78	94	15348	4.114	ng/ul# 64
10) 2-Chlorophenol	7.13	128	14926	5.112	ng/ul 94
11) 2-Methylphenol	8.01	108	242077	82.402	ng/ul 96
14) Acetophenone	8.42	105	14267	2.733	ng/ul# 92
16) 4-Methylphenol	8.34	108	81055	25.094	ng/ul 95
24) 2,4-Dimethylphenol	9.55	107	1128834	381.784	ng/ul 99
27) 2,4-Dichlorophenol	10.05	162	41838	17.672	ng/ul# 92
28) Naphthalene	10.42	128	45061709m	6173.360	ng/ul
34) 2-Methylnaphthalene	12.02	142	2072781	368.559	ng/ul 96
40) 1,1'-Biphenyl	13.04	154	1150729	92.577	ng/ul 99
44) Dimethylphthalate	13.72	163	62420m	4.561	ng/ul
47) Acenaphthylene	13.93	152	57066	3.799	ng/ul# 71
49) Acenaphthene	14.32	153	12636785	1184.774	ng/ul 97
53) Dibenzofuran	14.65	168	8329326	524.318	ng/ul 87
58) Fluorene	15.30	166	6403945	478.612	ng/ul 99
68) Pentachlorophenol	16.65	266	80757	19.991	ng/ul 96
69) Phenanthrene	17.04	178	10006101	398.931	ng/ul 96
71) Anthracene	17.12	178	504872	19.343	ng/ul 98
74) Carbazole	17.43	167	8656206	367.177	ng/ul 97
76) Fluoranthene	19.06	202	753035	19.923	ng/ul 98
79) Pyrene	19.42	202	426129	22.308	ng/ul 97
82) Benzo(a)anthracene	21.17	228	30156	1.358	ng/ul# 90
84) Chrysene	21.23	228	24563m	1.183	ng/ul

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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

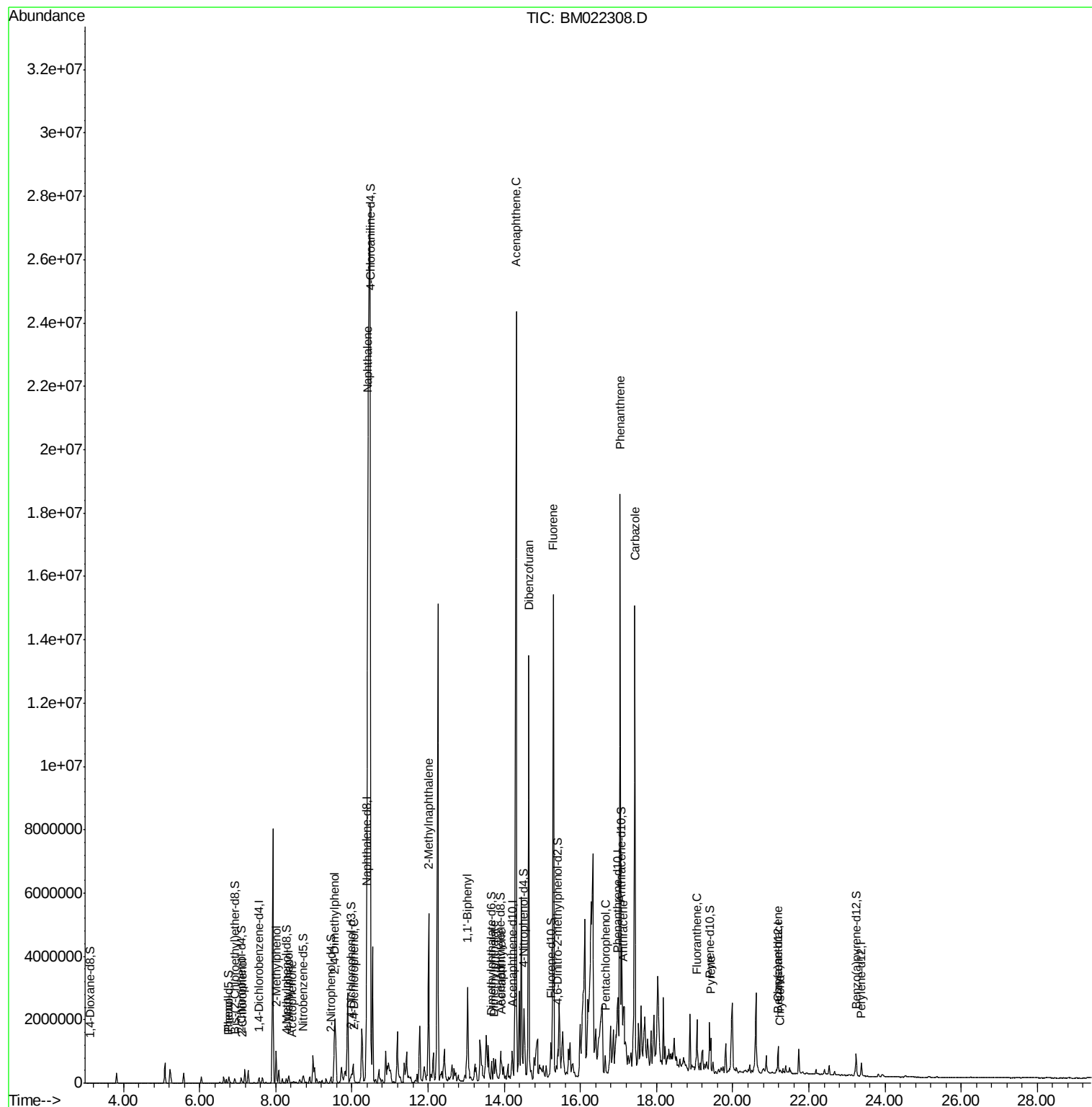
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
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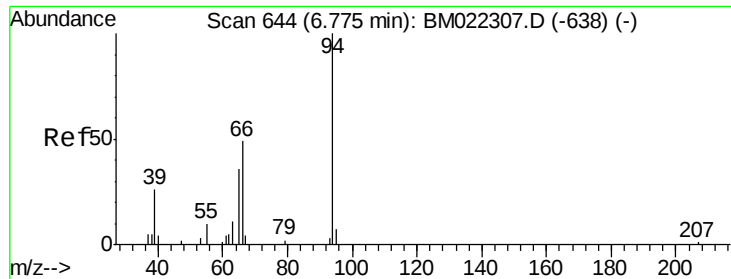
Instrument :
BNA_M
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#6

Phenol

Concen: 4.114 ng/ul

RT: 6.78 min Scan# 644

Delta R.T. 0.00 min

Lab File: BM022308.D

Acq: 25 Aug 2019 01:05

Instrument :

BNA_M

ClientSampled :

C0AB2

Tot Ion: 94 Resp: 15348

Ion Ratio Lower Upper

94 100

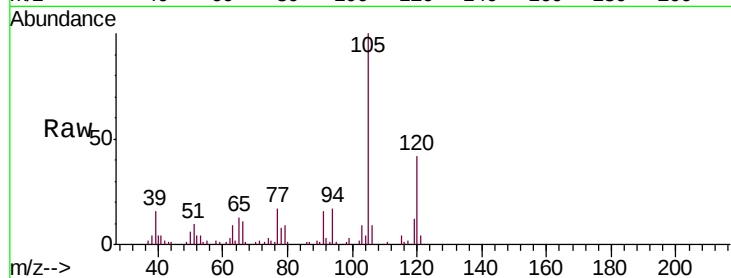
65 75.5 29.2 43.8#

66 61.1 40.6 60.8#

Manual Integrations
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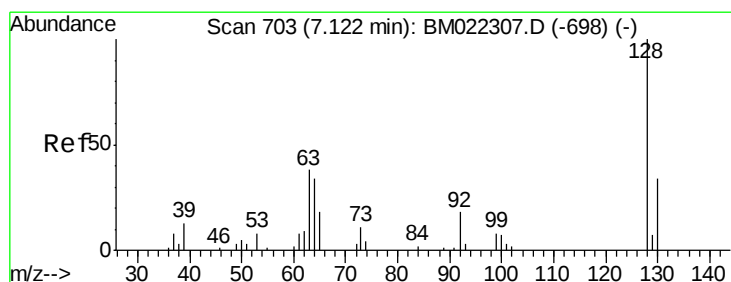
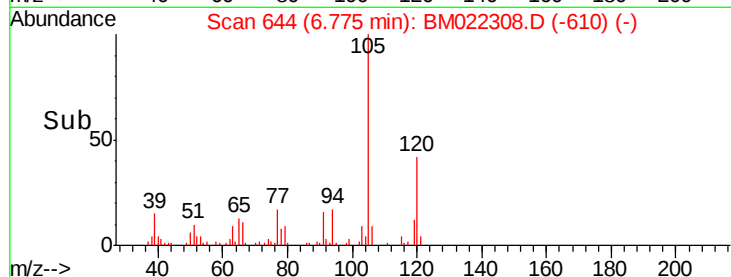
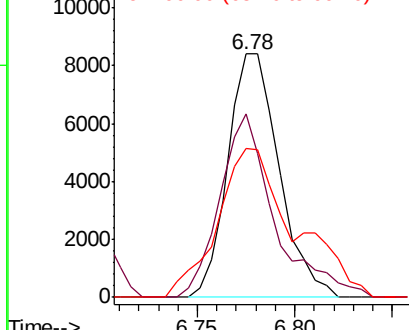


Abundance

Ion 94.00 (93.70 to 94.70): BM022307.D (-638) (-)

Ion 65.00 (64.70 to 65.70): BM022308.D (-610) (-)

Ion 66.00 (65.70 to 66.70): BM022308.D (-610) (-)



#10

2-Chlorophenol

Concen: 5.112 ng/ul

RT: 7.13 min Scan# 704

Delta R.T. 0.01 min

Lab File: BM022308.D

Acq: 25 Aug 2019 01:05

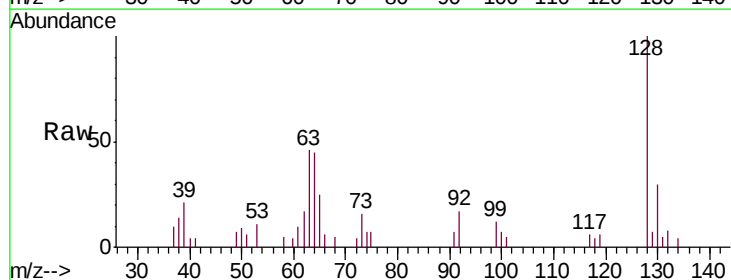
Tgt Ion: 128 Resp: 14926

Ion Ratio Lower Upper

128 100

64 45.1 38.6 57.8

130 29.7 27.0 40.6

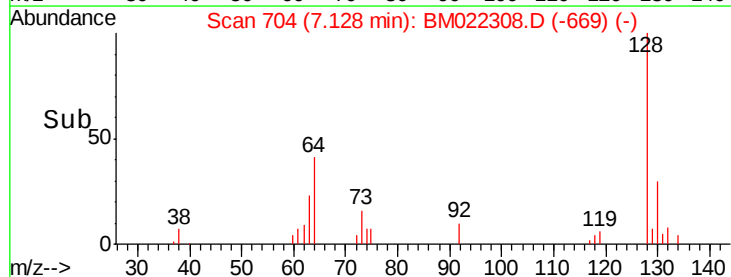
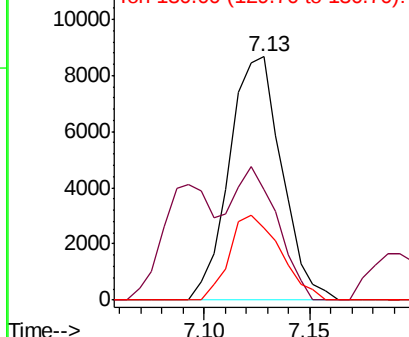


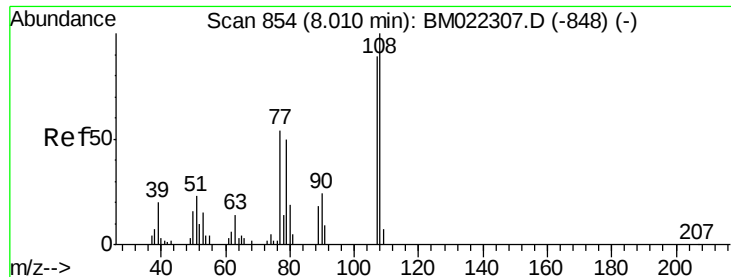
Abundance

Ion 128.00 (127.70 to 128.70): BM022307.D (-698) (-)

Ion 64.00 (63.70 to 64.70): BM022308.D (-669) (-)

Ion 130.00 (129.70 to 130.70): BM022308.D (-669) (-)





#11

2-Methylphenol

Concen: 82.402 ng/ul

RT: 8.01 min Scan# 854

Delta R.T. 0.00 min

Lab File: BM022308.D

Acq: 25 Aug 2019 01:05

Instrument :

BNA_M

ClientSampleId :

C0AB2

Tot Ion:108 Resp: 242077

Ion Ratio Lower Upper

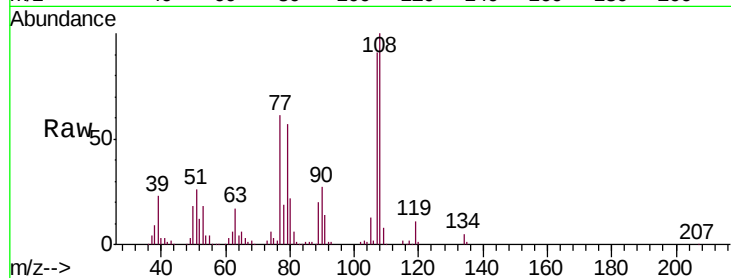
108 100

107 91.4 70.1 105.1

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Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

150000

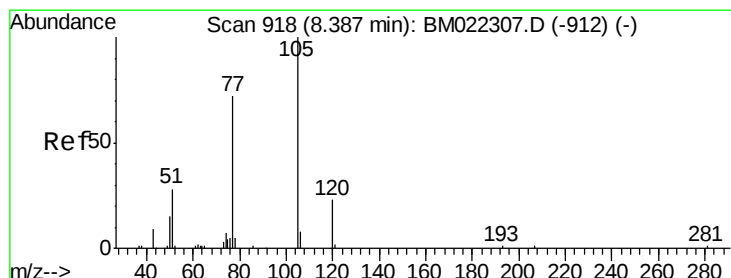
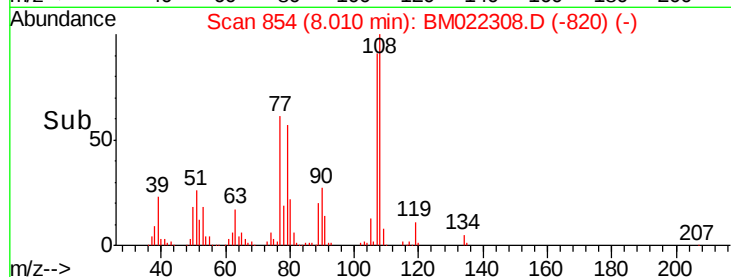
100000

50000

0

7.95 8.01 8.05 8.10

Time-->



#14

Acetophenone

Concen: 2.733 ng/ul

RT: 8.42 min Scan# 923

Delta R.T. 0.03 min

Lab File: BM022308.D

Acq: 25 Aug 2019 01:05

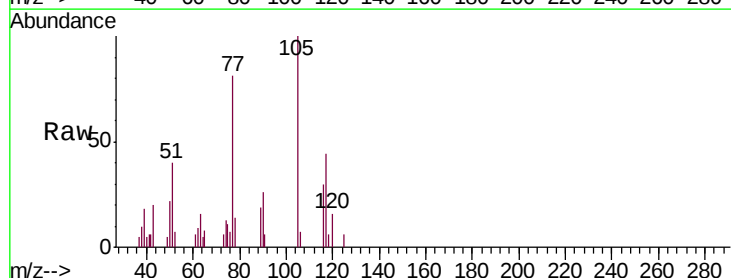
Tgt Ion:105 Resp: 14267

Ion Ratio Lower Upper

105 100

77 80.6 68.4 102.6

51 39.9 25.0 37.4#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 51.00 (50.70 to 51.70): BM

30000

25000

20000

15000

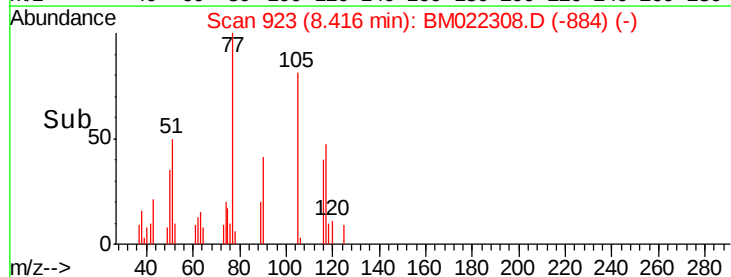
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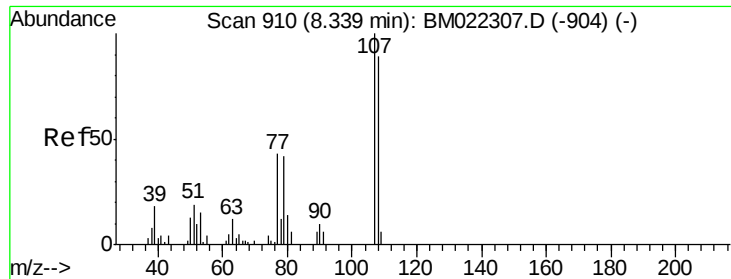
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0

8.35 8.40 8.42 8.45

Time-->





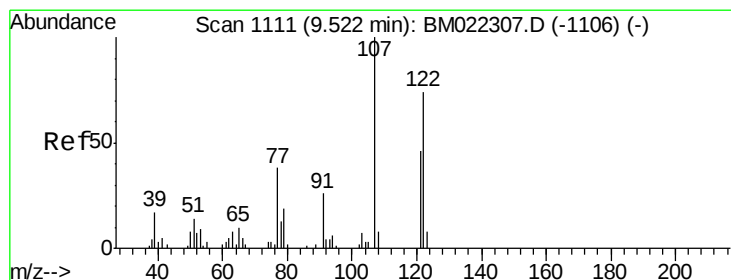
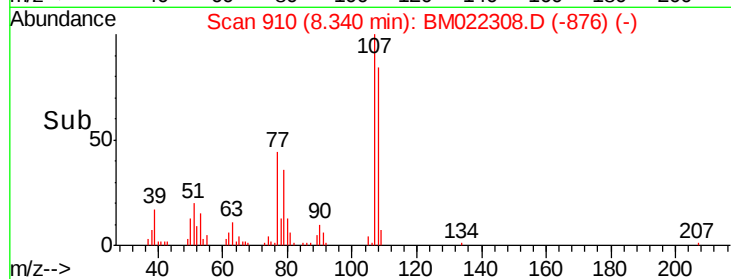
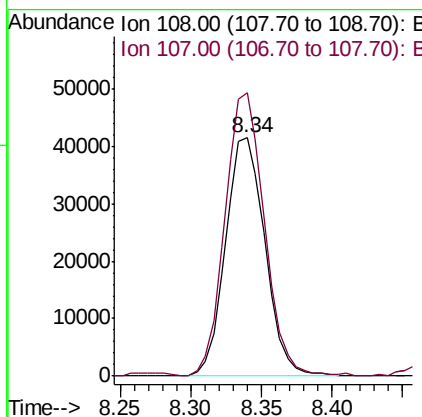
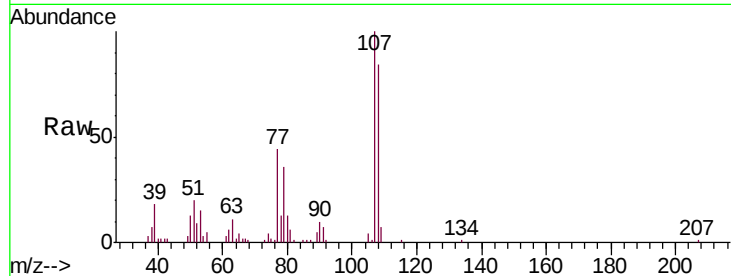
#16
 4-Methylphenol
 Concen: 25.094 ng/ul
 RT: 8.34 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: BM022308.D
 Acq: 25 Aug 2019 01:05

Instrument :
 BNA_M
 ClientSampleId :
 C0AB2

Tot Ion	Ratio	Resp	Lower	Upper
108	100	81055		
107	118.7	90.8	136.2	

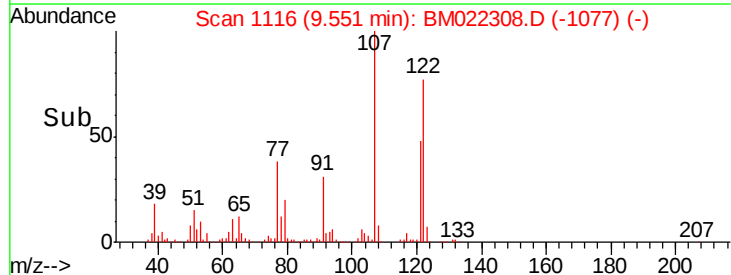
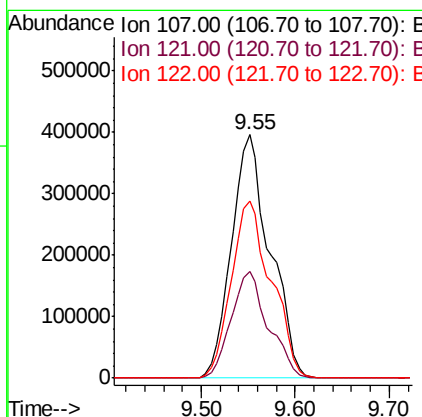
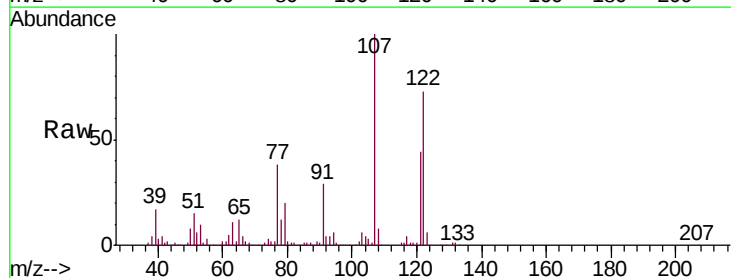
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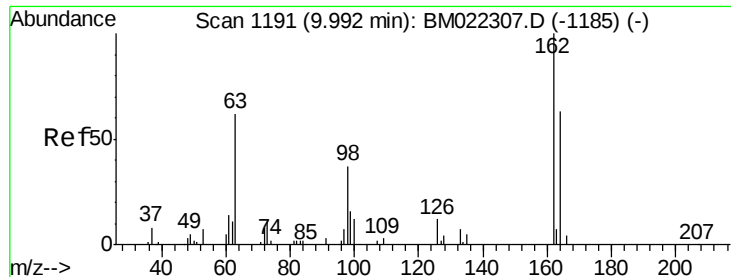
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#24
 2,4-Dimethylphenol
 Concen: 381.784 ng/ul
 RT: 9.55 min Scan# 1116
 Delta R.T. 0.03 min
 Lab File: BM022308.D
 Acq: 25 Aug 2019 01:05

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	1128834		
121	43.8	33.6	50.4	
122	72.8	58.0	87.0	





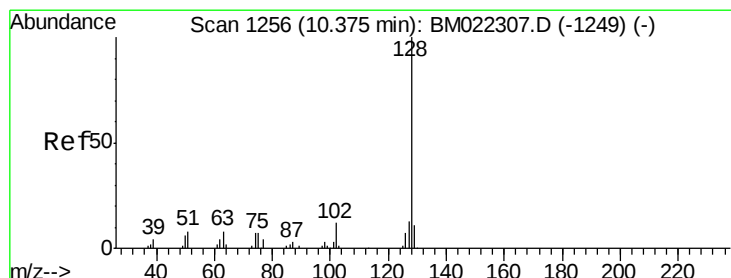
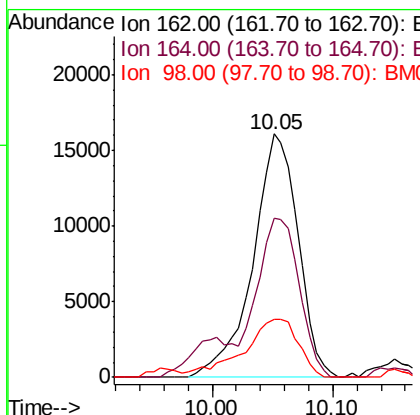
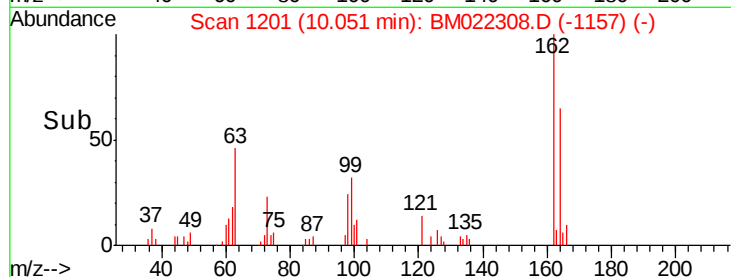
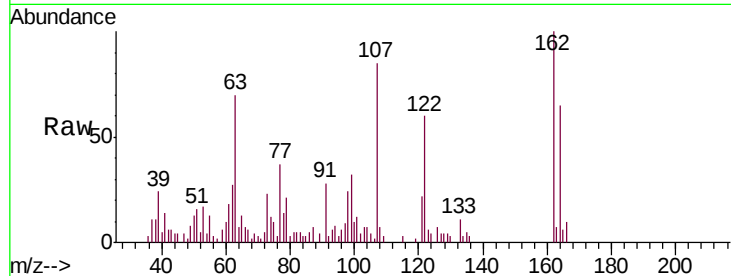
#27
 2,4-Dichlorophenol
 Concen: 17.672 ng/ul
 RT: 10.05 min Scan# 1201
 Delta R.T. 0.06 min
 Lab File: BM022308.D
 Acq: 25 Aug 2019 01:05

Instrument :
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 ClientSampleId :
 C0AB2

Tot Ion	Ratio	Lower	Upper
162	100		
164	65.3	52.1	78.1
98	23.8	29.2	43.8

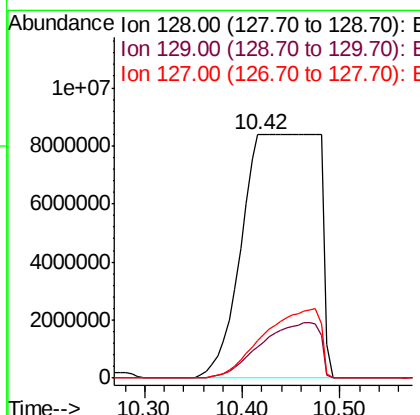
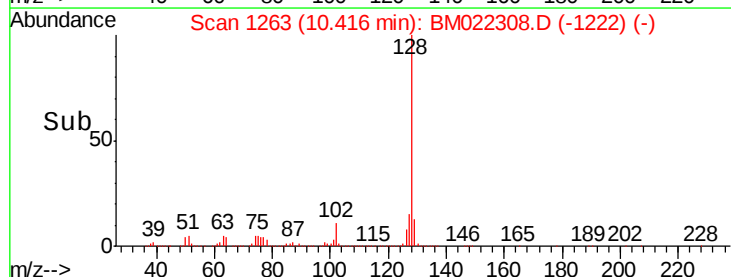
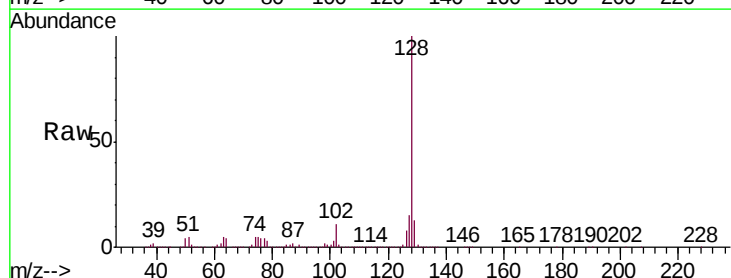
Manual Integrations
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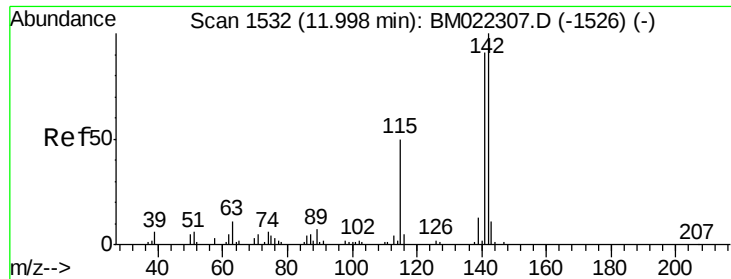
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#28
 Naphthalene
 Concen: 6173.360 ng/ul m
 RT: 10.42 min Scan# 1263
 Delta R.T. 0.04 min
 Lab File: BM022308.D
 Acq: 25 Aug 2019 01:05

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.8	8.6	13.0
127	15.2	10.4	15.6





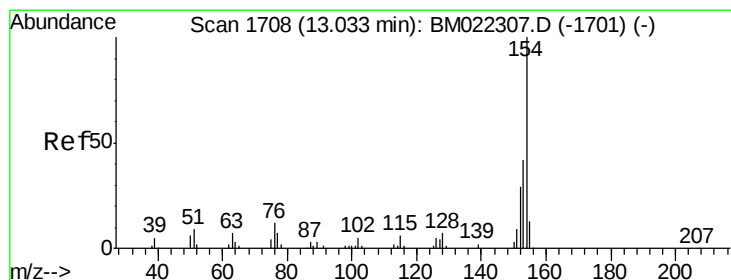
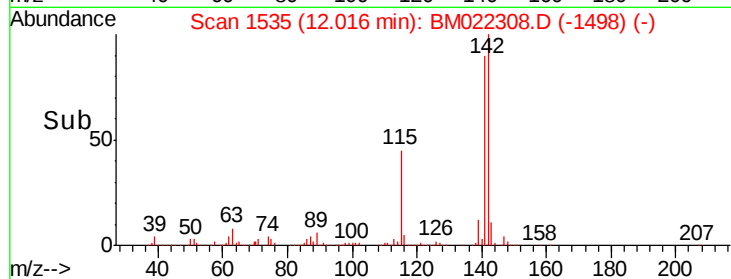
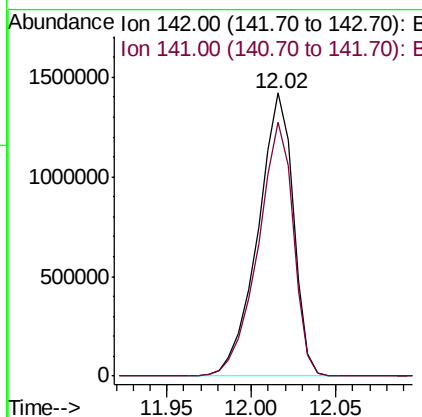
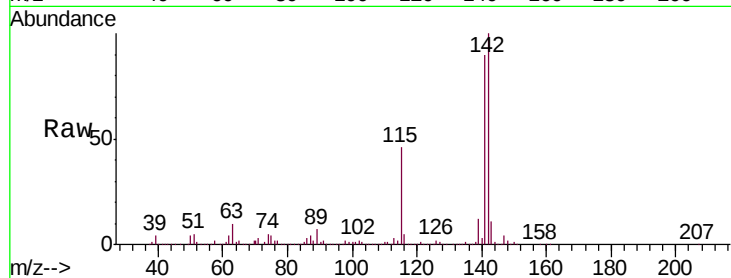
#34
 2-Methylnaphthalene
 Concen: 368.559 ng/ul
 RT: 12.02 min Scan# 1535
 Delta R.T. 0.02 min
 Lab File: BM022308.D
 Acq: 25 Aug 2019 01:05

Instrument :
 BNA_M
 ClientSampleId :
 C0AB2

Tot Ion:142 Resp: 2072781
 Ion Ratio Lower Upper
 142 100
 141 89.6 75.1 112.7

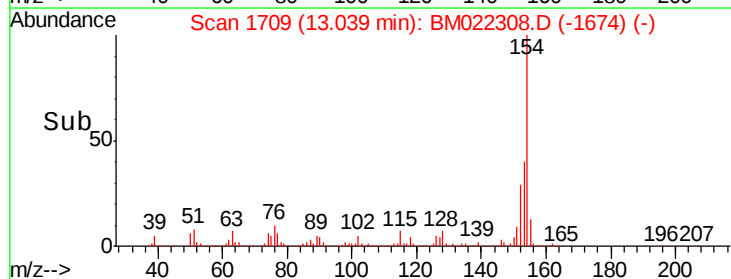
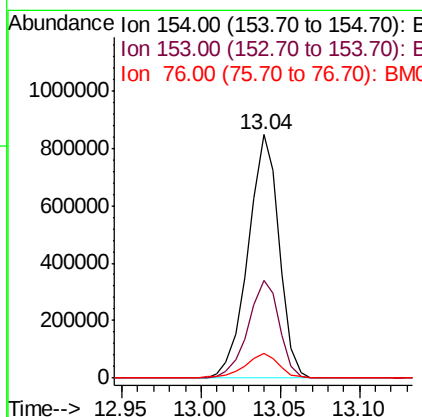
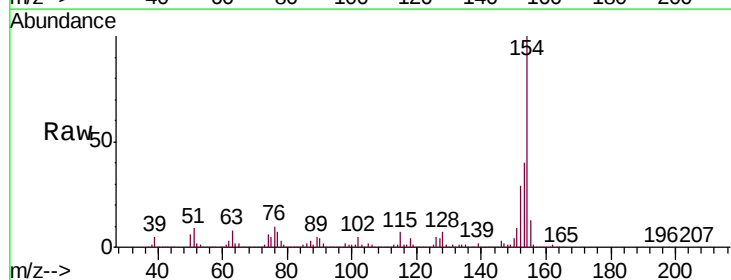
Manual Integrations
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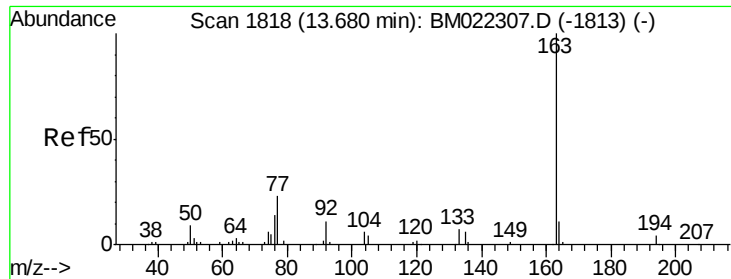
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#40
 1,1'-Biphenyl
 Concen: 92.577 ng/ul
 RT: 13.04 min Scan# 1709
 Delta R.T. 0.01 min
 Lab File: BM022308.D
 Acq: 25 Aug 2019 01:05

Tgt Ion:154 Resp: 1150729
 Ion Ratio Lower Upper
 154 100
 153 40.4 32.5 48.7
 76 10.1 9.2 13.8





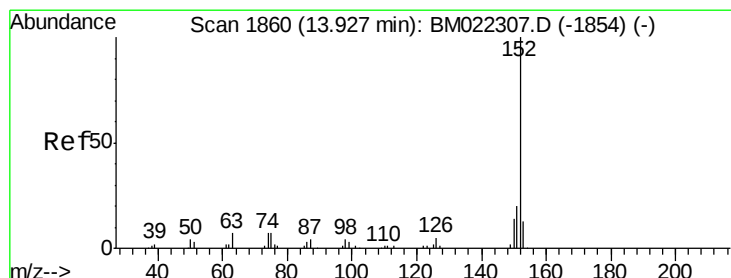
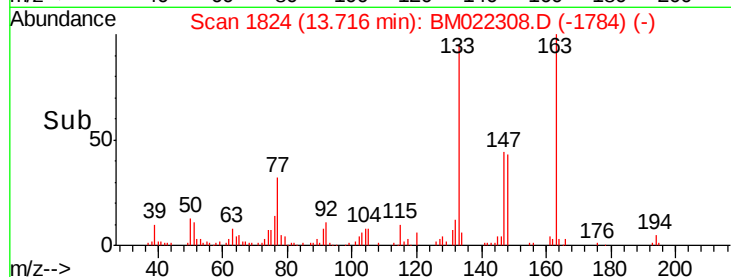
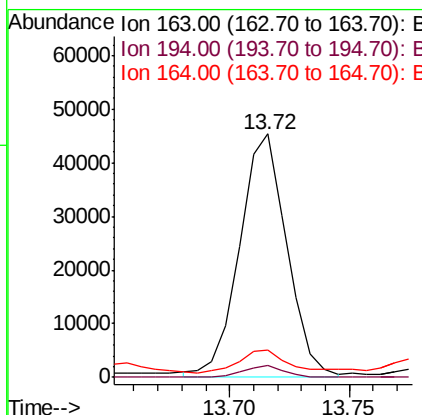
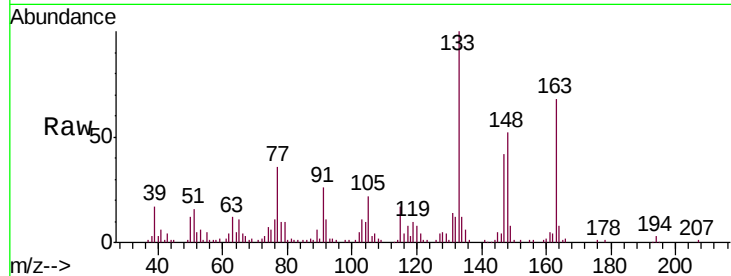
#44
Dimethylphthalate
Concen: 4.561 ng/ul m
RT: 13.72 min Scan# 1824
Delta R.T. 0.04 min
Lab File: BM022308.D
Acq: 25 Aug 2019 01:05

Instrument :
BNA_M
ClientSampleId :
C0AB2

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.0	4.6#
164	11.5	7.8	11.8

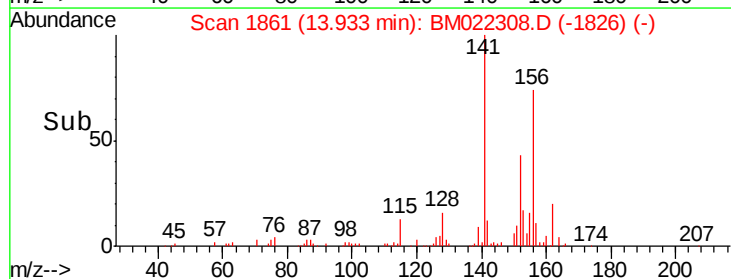
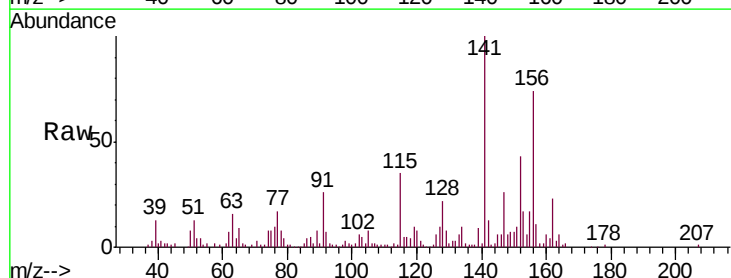
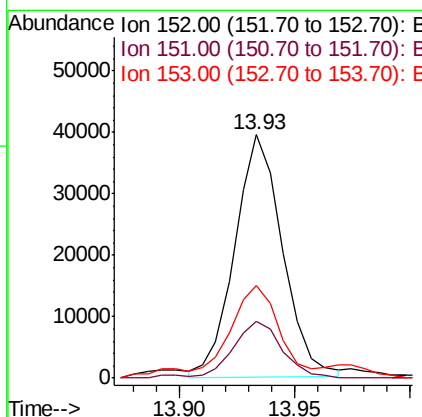
Manual Integrations
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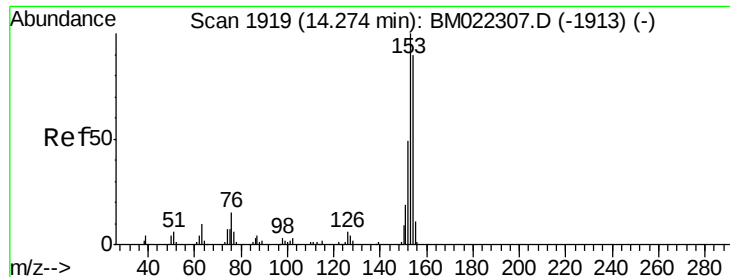
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#47
Acenaphthylene
Concen: 3.799 ng/ul
RT: 13.93 min Scan# 1861
Delta R.T. 0.01 min
Lab File: BM022308.D
Acq: 25 Aug 2019 01:05

Tgt Ion	Ratio	Lower	Upper
152	100		
151	23.2	16.0	24.0
153	38.1	10.4	15.6#





#49

Acenaphthene

Concen: 1184.774 ng/ul

RT: 14.32 min Scan# 1926

Delta R.T. 0.04 min

Lab File: BM022308.D

Acq: 25 Aug 2019 01:05

Instrument :

BNA_M

ClientSampleId :

C0AB2

Tot Ion:153 Resp:12636785

Ion Ratio Lower Upper

153 100

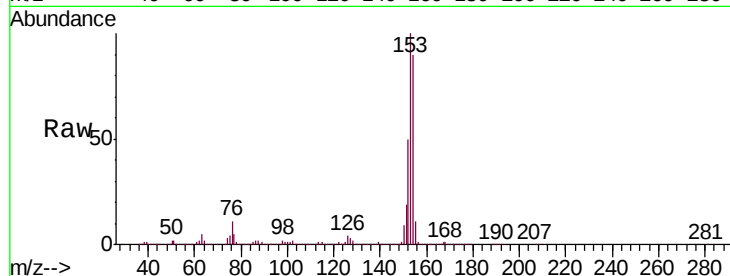
152 49.7 38.6 58.0

154 89.8 68.9 103.3

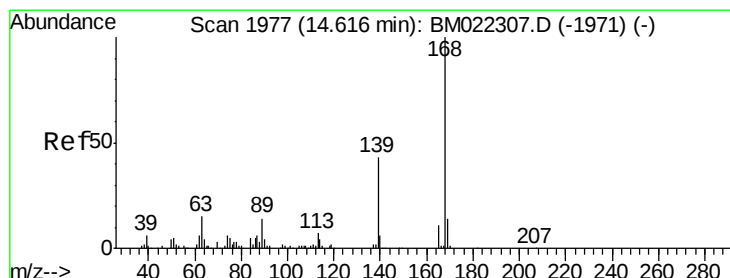
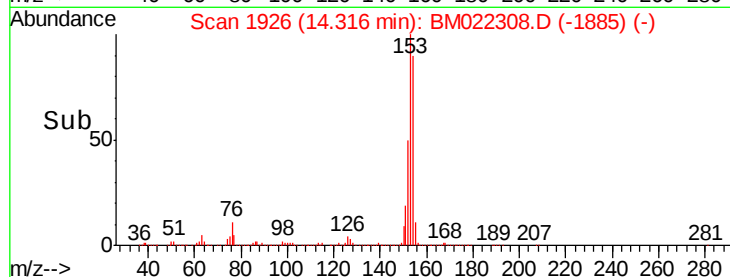
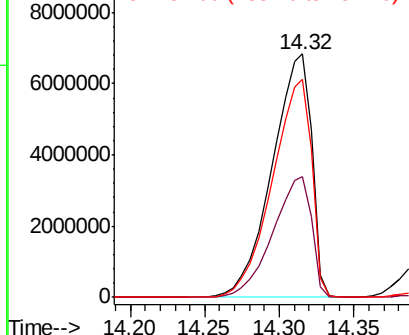
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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 524.318 ng/ul

RT: 14.65 min Scan# 1982

Delta R.T. 0.03 min

Lab File: BM022308.D

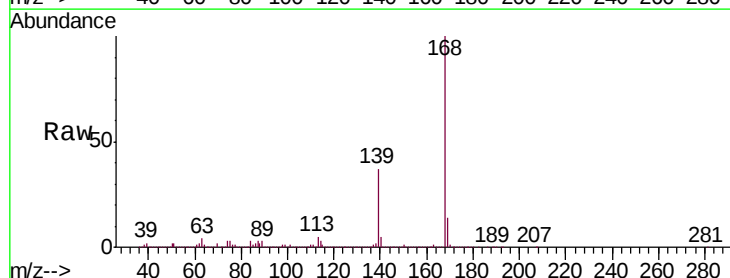
Acq: 25 Aug 2019 01:05

Tgt Ion:168 Resp: 8329326

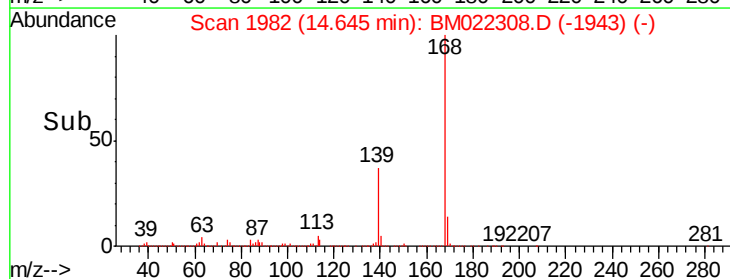
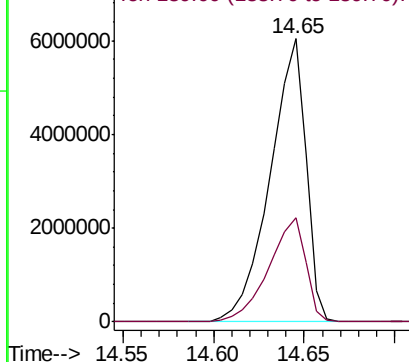
Ion Ratio Lower Upper

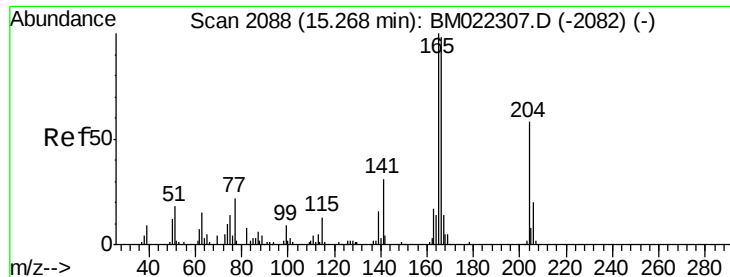
168 100

139 36.7 36.2 54.4



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





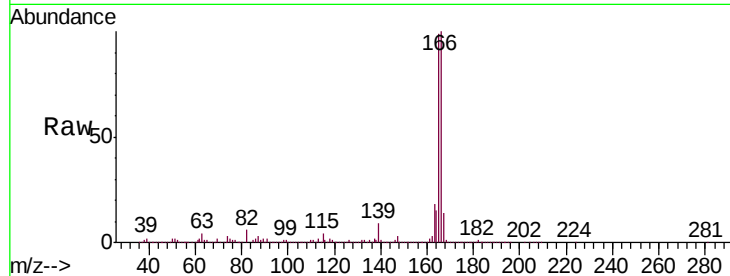
#58
 Fluorene
 Concen: 478.612 ng/ul
 RT: 15.30 min Scan# 2093
 Delta R.T. 0.03 min
 Lab File: BM022308.D
 Acq: 25 Aug 2019 01:05

Instrument :
 BNA_M
 ClientSampleId :
 C0AB2

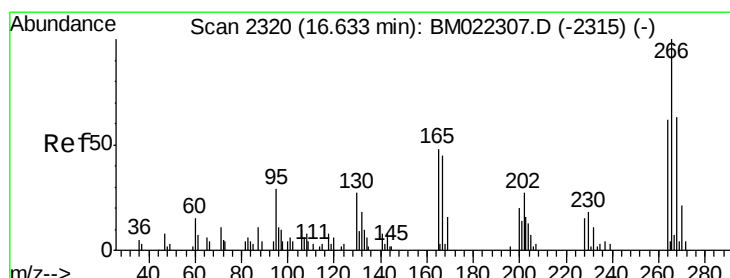
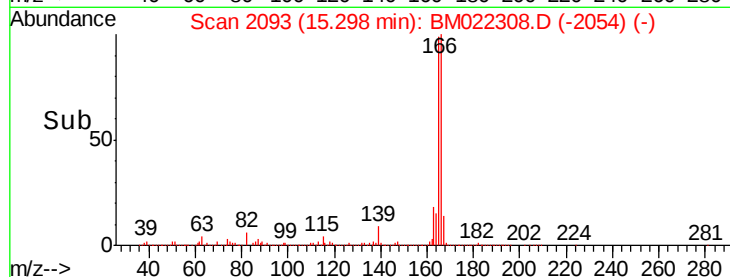
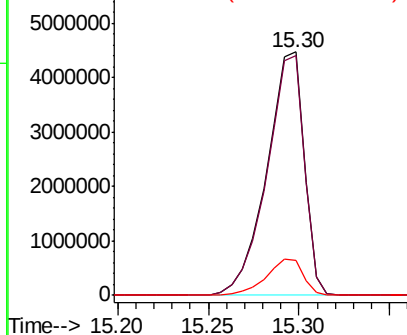
Tot Ion:166 Resp: 6403945
 Ion Ratio Lower Upper
 166 100
 165 98.7 80.2 120.2
 167 14.2 11.4 17.0

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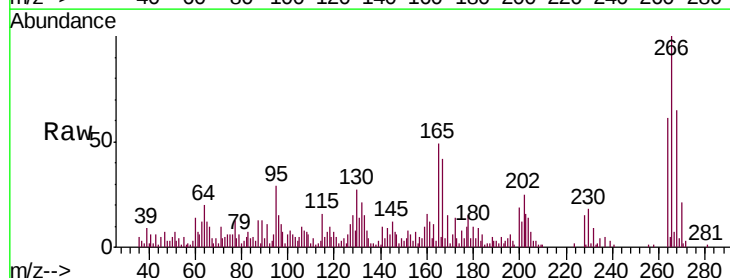


Abundance Ion 166.00 (165.70 to 166.70): E
 6000000
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

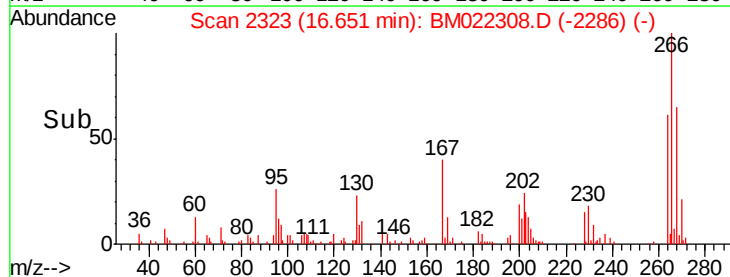
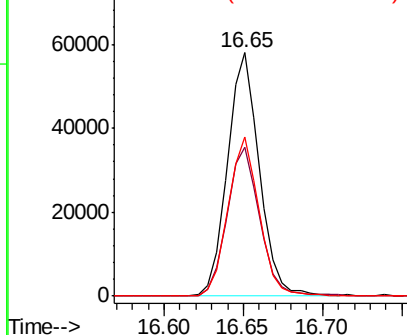


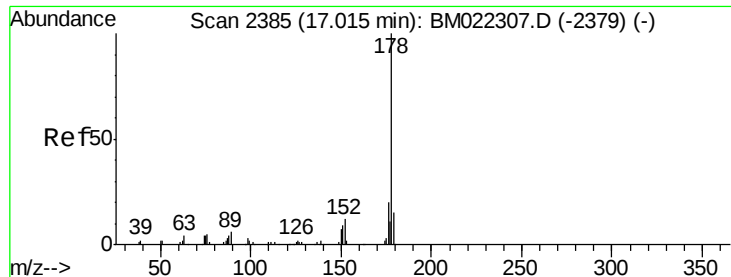
#68
 Pentachlorophenol
 Concen: 19.991 ng/ul
 RT: 16.65 min Scan# 2323
 Delta R.T. 0.02 min
 Lab File: BM022308.D
 Acq: 25 Aug 2019 01:05

Tgt Ion:266 Resp: 80757
 Ion Ratio Lower Upper
 266 100
 264 60.9 51.3 76.9
 268 65.2 49.4 74.2



Abundance Ion 265.70 (265.40 to 266.40): E
 80000
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E





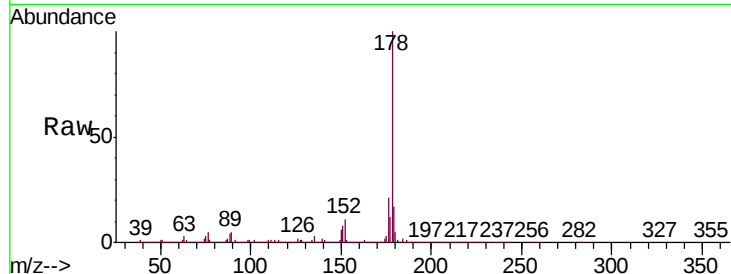
#69
Phenanthrene
Concen: 398.931 ng/ul
RT: 17.04 min Scan# 2390
Delta R.T. 0.03 min
Lab File: BM022308.D
Acq: 25 Aug 2019 01:05

Instrument :
BNA_M
ClientSampleId :
C0AB2

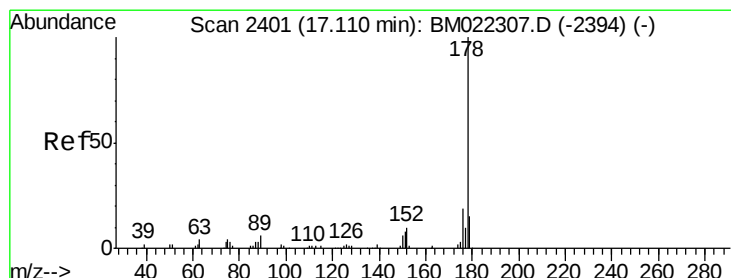
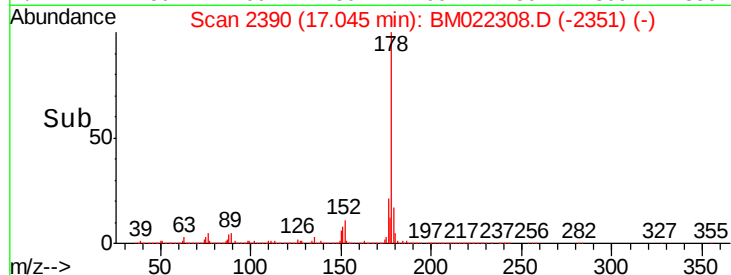
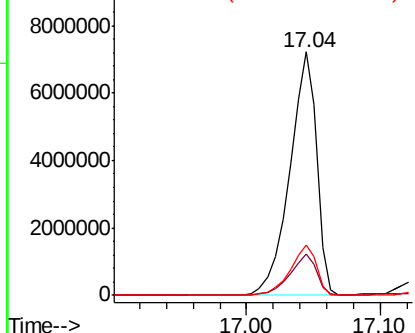
Tot Ion	Ratio	Lower	Upper
178	100		
179	16.9	12.4	18.6
176	20.9	15.4	23.0

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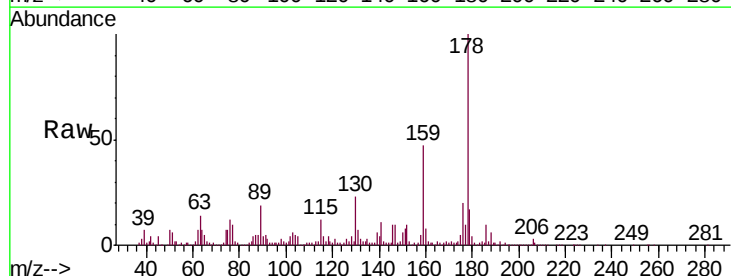


Abundance Ion 178.00 (177.70 to 178.70): E
1e+07
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

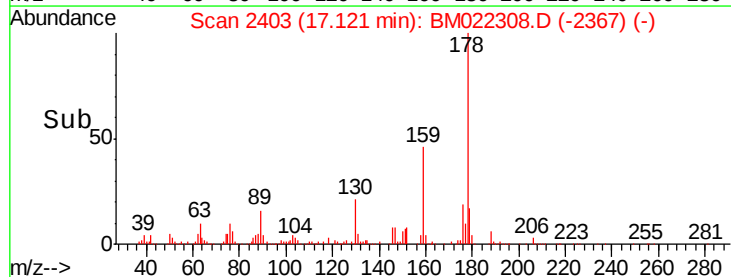
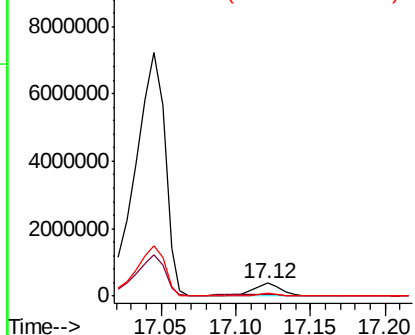


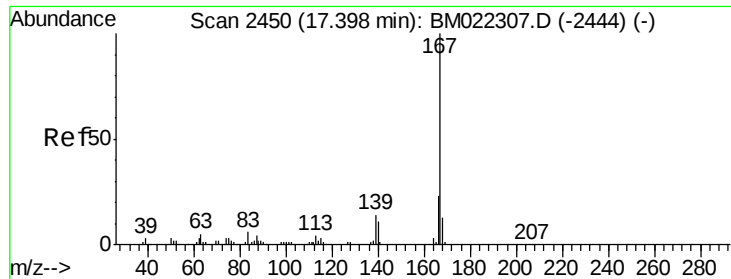
#71
Anthracene
Concen: 19.343 ng/ul
RT: 17.12 min Scan# 2403
Delta R.T. 0.01 min
Lab File: BM022308.D
Acq: 25 Aug 2019 01:05

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.8	12.3	18.5
176	19.9	15.5	23.3



Abundance Ion 178.00 (177.70 to 178.70): E
1e+07
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





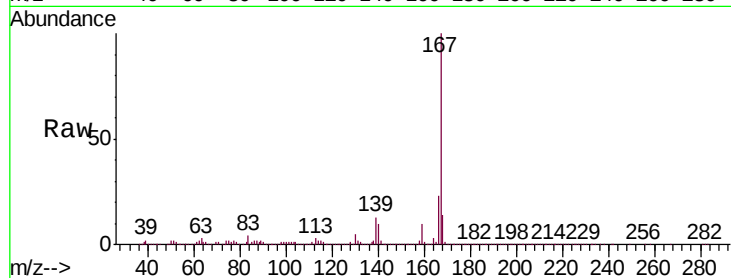
#74
 Carbazole
 Concen: 367.177 ng/ul
 RT: 17.43 min Scan# 2456
 Delta R.T. 0.04 min
 Lab File: BM022308.D
 Acq: 25 Aug 2019 01:05

Instrument :
 BNA_M
 ClientSampleId :
 C0AB2

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.9	17.8	26.8
139	12.5	11.8	17.8

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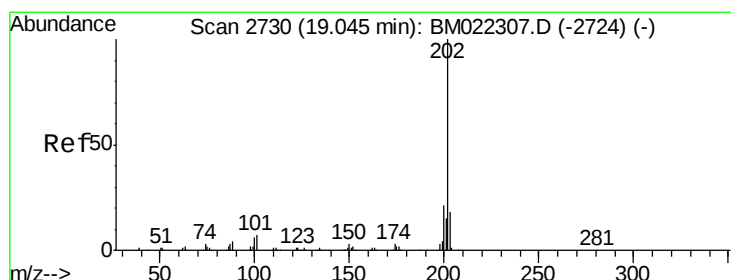
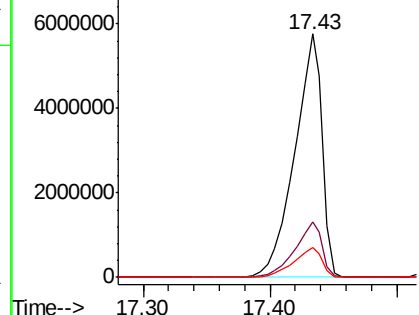
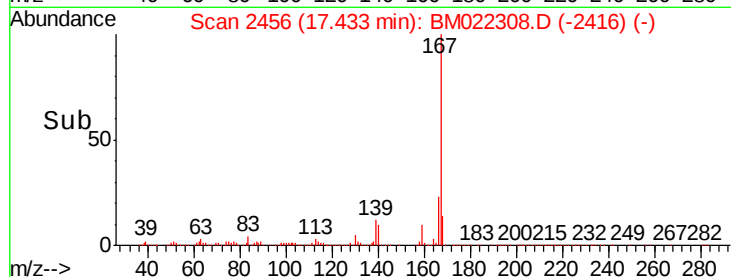


Abundance

Ion 167.00 (166.70 to 167.70): E

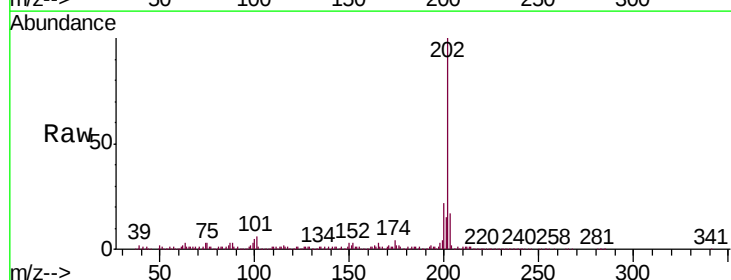
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#76
 Fluoranthene
 Concen: 19.923 ng/ul
 RT: 19.06 min Scan# 2733
 Delta R.T. 0.02 min
 Lab File: BM022308.D
 Acq: 25 Aug 2019 01:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.0	5.3	7.9
100	5.2	4.6	6.8

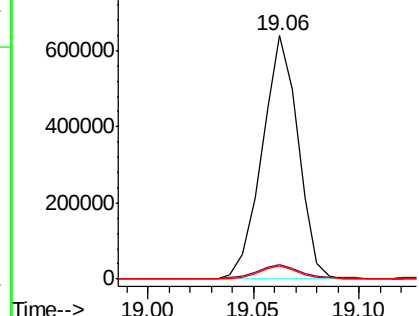
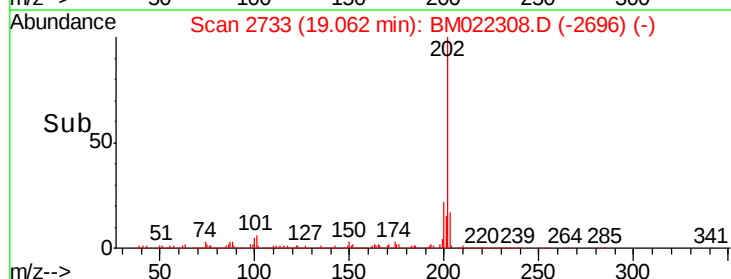


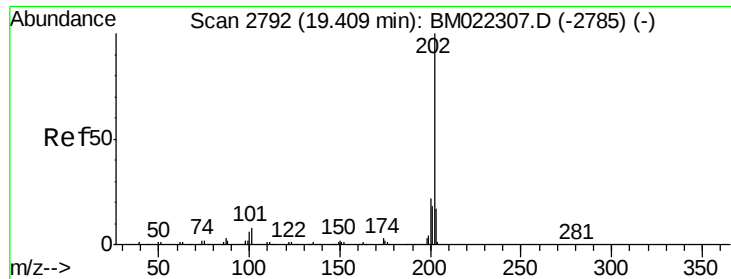
Abundance

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): E





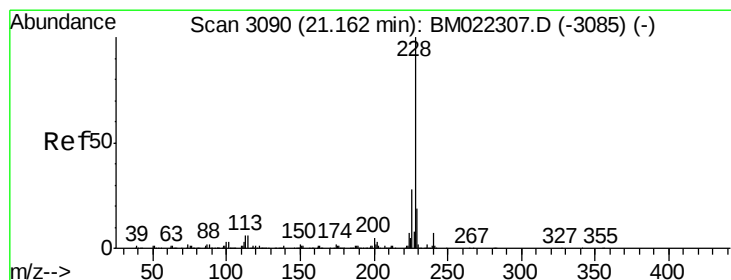
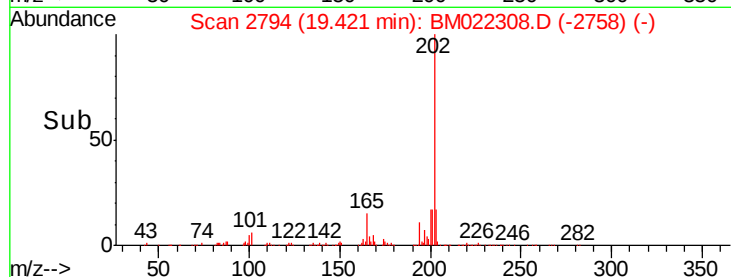
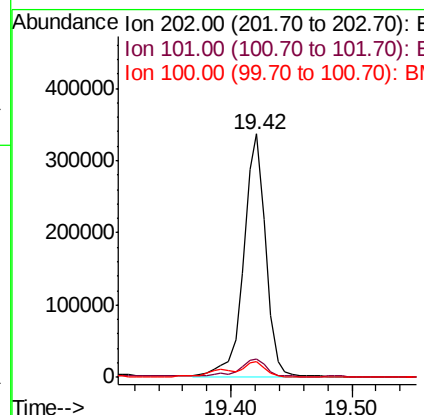
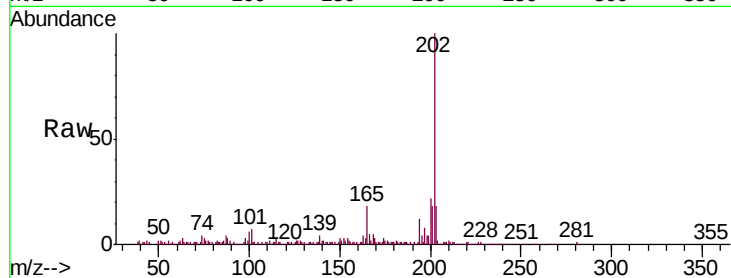
#79
Pvrene
Concen: 22.308 ng/ul
RT: 19.42 min Scan# 2794
Delta R.T. 0.01 min
Lab File: BM022308.D
Acq: 25 Aug 2019 01:05

Instrument :
BNA_M
ClientSampleId :
C0AB2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	7.4	7.0	10.4
100	6.3	5.8	8.8

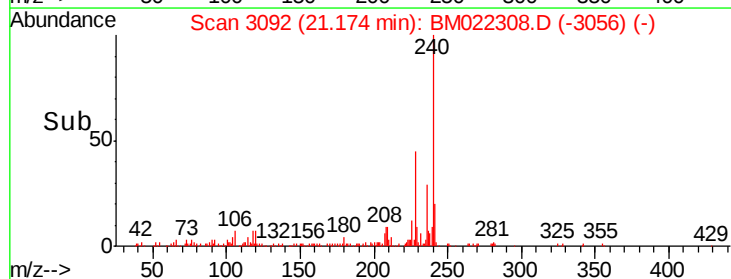
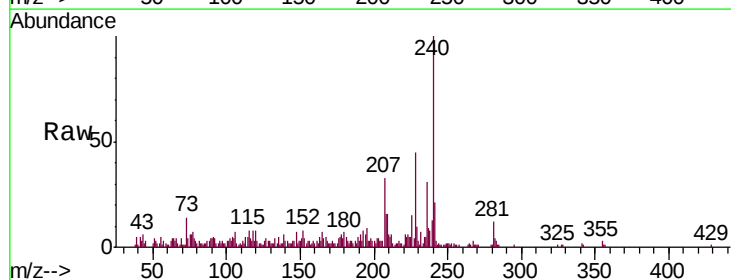
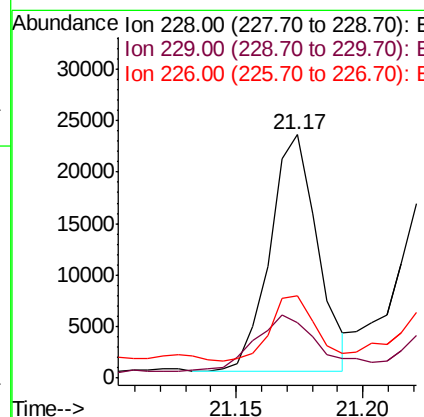
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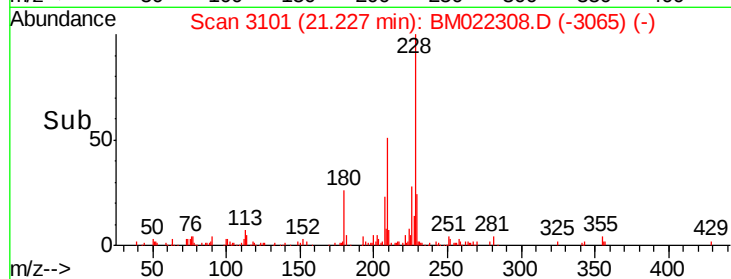
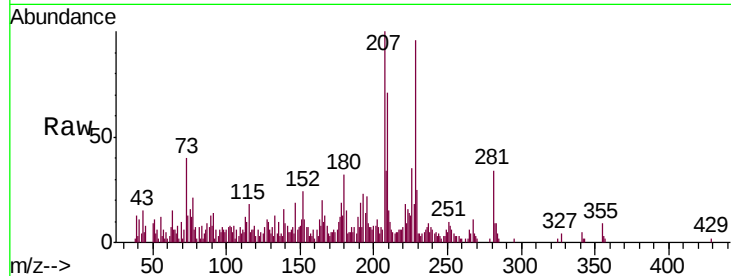
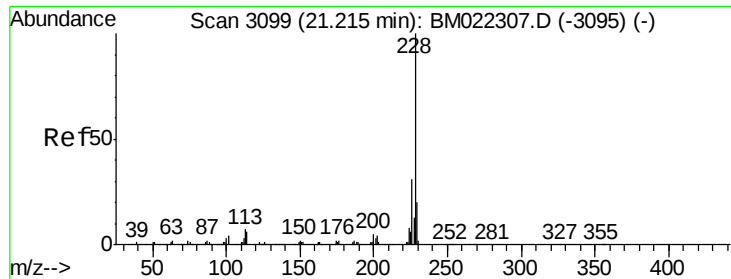
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#82
Benzo(a)anthracene
Concen: 1.358 ng/ul
RT: 21.17 min Scan# 3092
Delta R.T. 0.01 min
Lab File: BM022308.D
Acq: 25 Aug 2019 01:05

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	23.0	15.2	22.8#
226	33.6	22.3	33.5#





#84

Chrysene

Concen: 1.183 ng/ul m

RT: 21.23 min Scan# 3101

Delta R.T. 0.01 min

Lab File: BM022308.D

Acq: 25 Aug 2019 01:05

Instrument :

BNA_M

ClientSampleId :

C0AB2

Tot Ion	Ratio	Lower	Upper
228	100		
226	36.9	24.7	37.1
229	25.8	15.7	23.5

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