

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082619\
 Data File : BM022325.D
 Acq On : 26 Aug 2019 11:39
 Operator : HP/JU
 Sample : K4373-19
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AF8

Manual Integrations
 APPROVED

mohammad
 8/28/2019 9:59:45 AM

Quant Time: Aug 27 14:47:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 27 10:56:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	29410	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	189530m	20.00	ng/ul	0.06
35) Acenaphthene-d10	14.21	164	109778	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	289030	20.00	ng/ul	0.00
77) Chrysene-d12	21.19	240	193921	20.00	ng/ul	0.00
85) Perylene-d12	23.38	264	178332	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	3651	5.56	ng/uL	0.00
5) Phenol-d5	6.75	99	18602	7.33	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.91	67	44464	30.12	ng/ul	0.00
9) 2-Chlorophenol-d4	7.09	132	54410	26.55	ng/ul	0.00
13) 4-Methylphenol-d8	8.27	113	37406	17.00	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	37327	26.41	ng/ul	0.00
22) 2-Nitrophenol-d4	9.44	143	41034	24.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	78920	23.57	ng/ul	0.02
29) 4-Chloroaniline-d4	10.52	131	60965m	14.97	ng/ul	0.02
43) Dimethylphthalate-d6	13.66	166	311000	32.17	ng/ul	0.03
46) Acenaphthylene-d8	13.90	160	336023	32.27	ng/ul	0.00
51) 4-Nitrophenol-d4	14.51	143	32518m	22.71	ng/ul	0.04
57) Fluorene-d10	15.22	176	283532	35.36	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.40	200	33469	15.01	ng/ul	0.02
70) Anthracene-d10	17.08	188	783731	51.21	ng/ul	0.00
78) Pyrene-d10	19.39	212	534805	53.06	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.24	264	376045	38.38	ng/ul	0.01

Target Compounds

					Ovalue	
6) Phenol	6.77	94	10674	3.927	ng/ul#	77
10) 2-Chlorophenol	7.12	128	13583	6.385	ng/ul	96
11) 2-Methylphenol	8.00	108	225814	105.503	ng/ul	94
14) Acetophenone	8.42	105	11877	3.123	ng/ul#	95
16) 4-Methylphenol	8.33	108	74960	31.854	ng/ul	95
24) 2,4-Dimethylphenol	9.55	107	1057462	249.591	ng/ul	97
27) 2,4-Dichlorophenol	10.05	162	38971	11.487	ng/ul#	90
28) Naphthalene	10.41	128	44333341m	4238.588	ng/ul	
34) 2-Methylnaphthalene	12.01	142	1883042	233.663	ng/ul	95
40) 1,1'-Biphenyl	13.03	154	1035512	115.908	ng/ul	98
44) Dimethylphthalate	13.71	163	40866m	4.154	ng/ul	
47) Acenaphthylene	13.93	152	44771	4.146	ng/ul#	72
49) Acenaphthene	14.31	153	11809282	1540.453	ng/ul	97
53) Dibenzofuran	14.64	168	7712236m	675.447	ng/ul	
58) Fluorene	15.29	166	5886719	612.118	ng/ul	99
68) Pentachlorophenol	16.64	266	70626	25.361	ng/ul	96
69) Phenanthrene	17.04	178	9026699	522.043	ng/ul	97
71) Anthracene	17.12	178	450232	25.022	ng/ul	98
74) Carbazole	17.43	167	7704594	474.069	ng/ul	97
76) Fluoranthene	19.06	202	624547	23.969	ng/ul#	97
79) Pyrene	19.42	202	345238	27.505	ng/ul	97
82) Benzo(a)anthracene	21.17	228	26479	1.814	ng/ul#	88
84) Chrysene	21.22	228	22206m	1.627	ng/ul	

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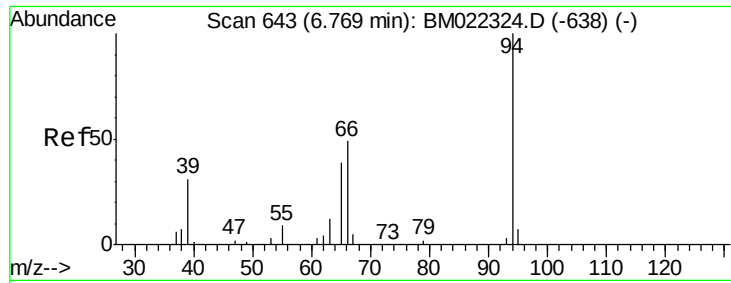
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 27 10:56:53 2019
Response via : Initial Calibration

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



#6

Phenol

Concen: 3.927 ng/ul

RT: 6.77 min Scan# 644

Delta R.T. -0.00 min

Lab File: BM022325.D

Acq: 26 Aug 2019 11:39

Instrument :

BNA_M

ClientSampleId :

C0AF8

Tot Ion: 94 Resp: 10674

Ion Ratio Lower Upper

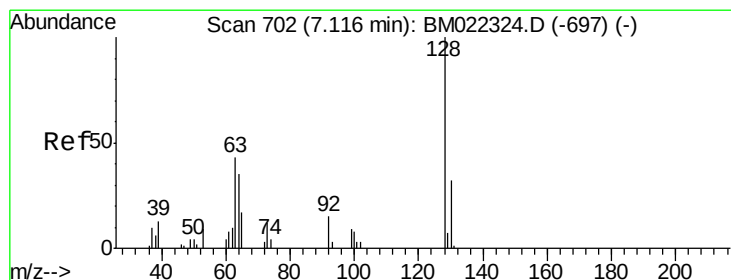
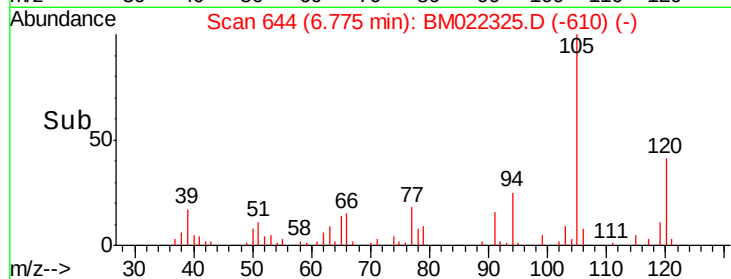
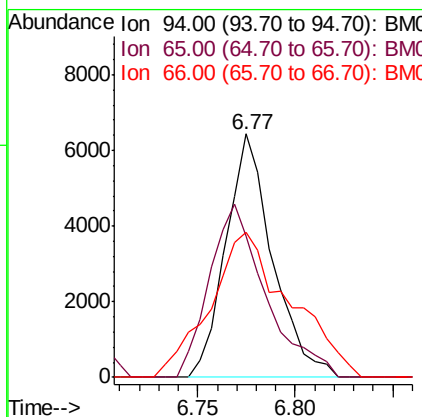
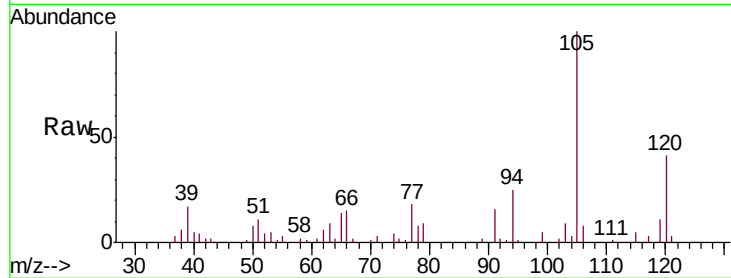
94 100

65 58.0 29.2 43.8#

66 59.8 40.6 60.8

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#10

2-Chlorophenol

Concen: 6.385 ng/ul

RT: 7.12 min Scan# 702

Delta R.T. -0.01 min

Lab File: BM022325.D

Acq: 26 Aug 2019 11:39

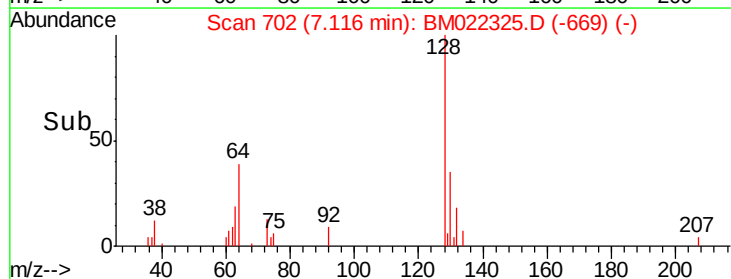
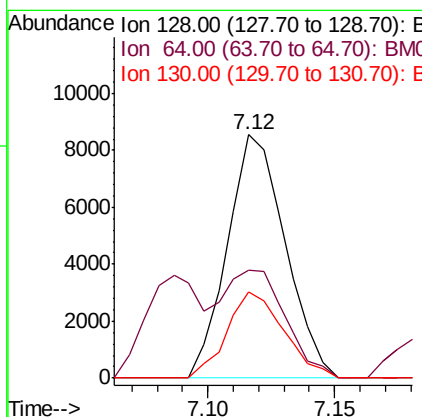
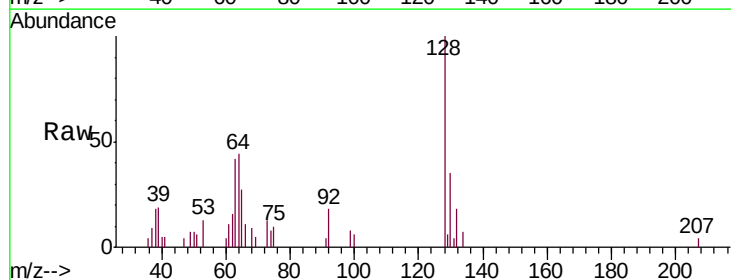
Tgt Ion: 128 Resp: 13583

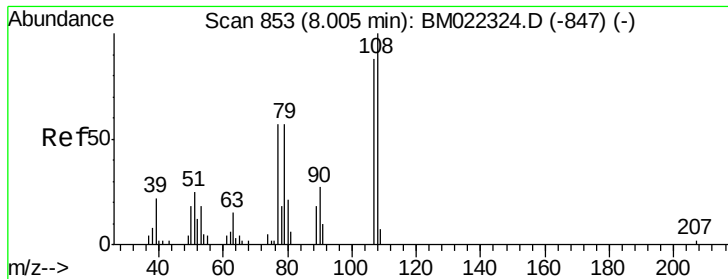
Ion Ratio Lower Upper

128 100

64 44.3 38.6 57.8

130 35.3 27.0 40.6





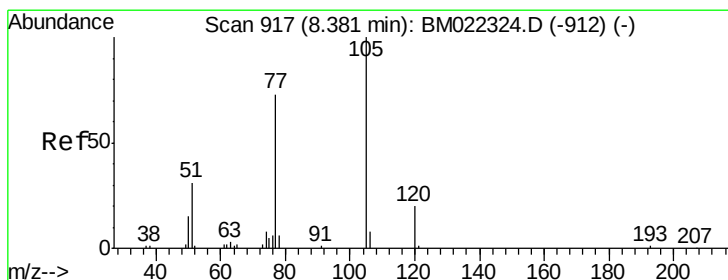
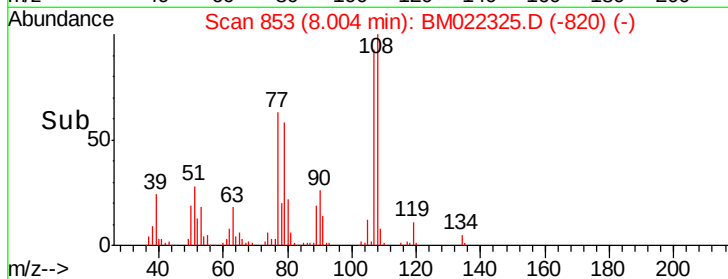
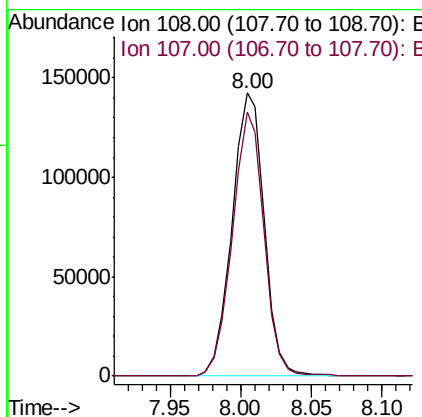
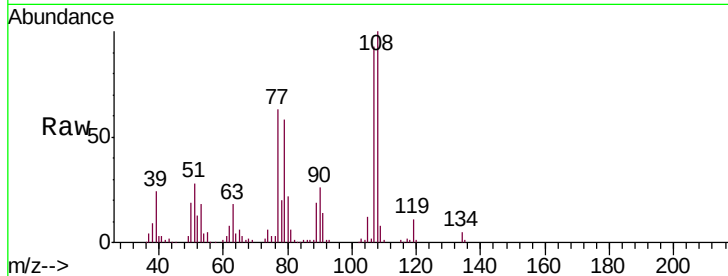
#11
2-Methylphenol
Concen: 105.503 ng/ul
RT: 8.00 min Scan# 853
Delta R.T. -0.01 min
Lab File: BM022325.D
Acq: 26 Aug 2019 11:39

Instrument :
BNA_M
ClientSampleId :
C0AF8

Tot Ion	Ratio	Lower	Upper
108	100		
107	93.2	70.1	105.1

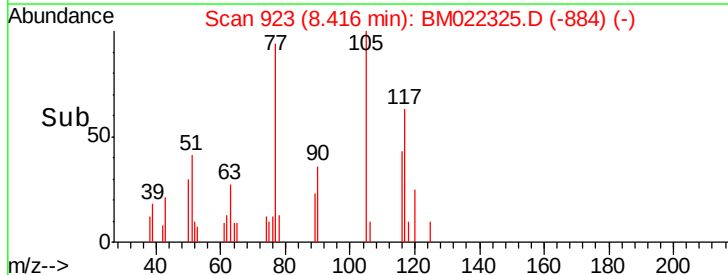
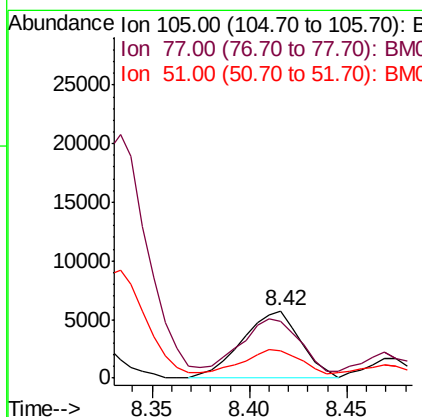
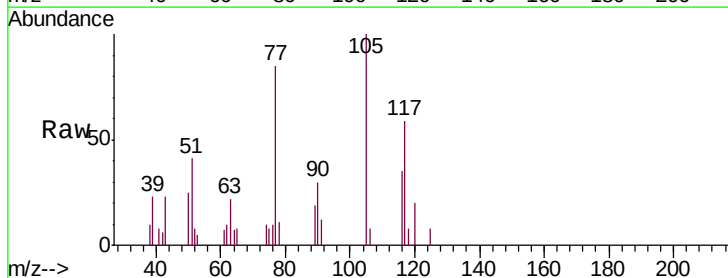
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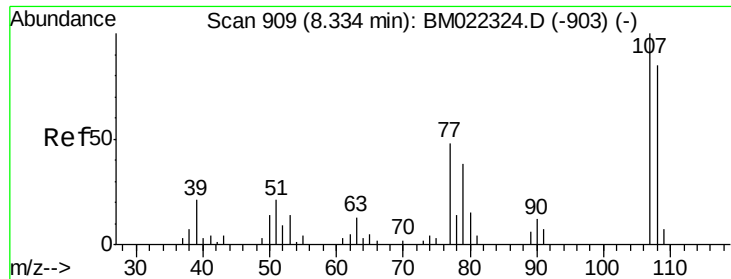
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#14
Acetophenone
Concen: 3.123 ng/ul
RT: 8.42 min Scan# 923
Delta R.T. 0.03 min
Lab File: BM022325.D
Acq: 26 Aug 2019 11:39

Tgt Ion	Ratio	Lower	Upper
105	100		
77	85.3	68.4	102.6
51	40.7	25.0	37.4





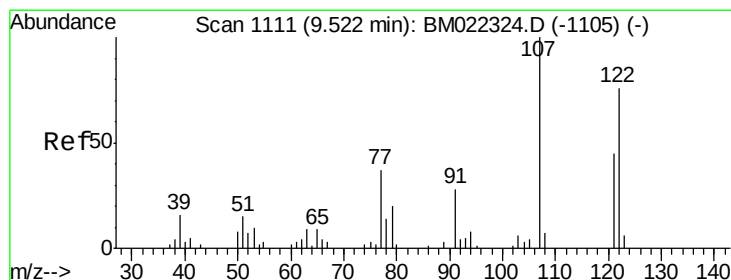
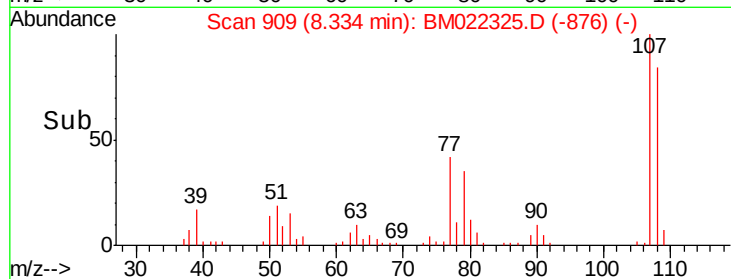
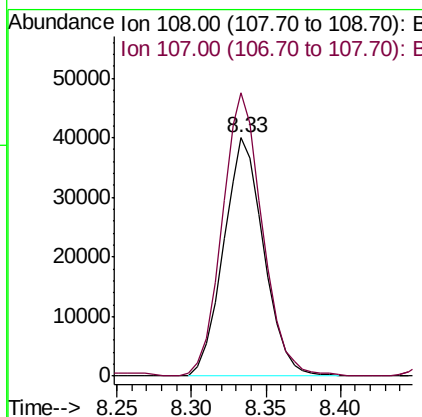
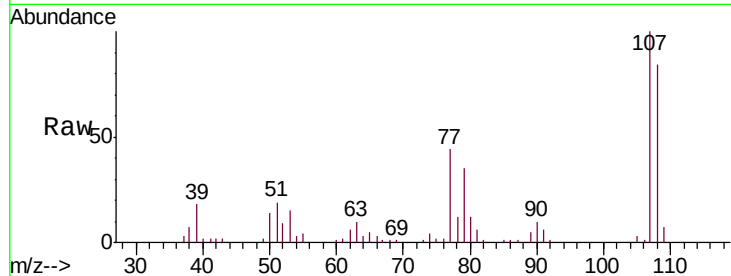
#16
4-Methylphenol
Concen: 31.854 ng/ul
RT: 8.33 min Scan# 909
Delta R.T. -0.01 min
Lab File: BM022325.D
Acq: 26 Aug 2019 11:39

Instrument :
BNA_M
ClientSampled :
C0AF8

Tot Ion	Ratio	Lower	Upper
108	100		
107	118.7	90.8	136.2

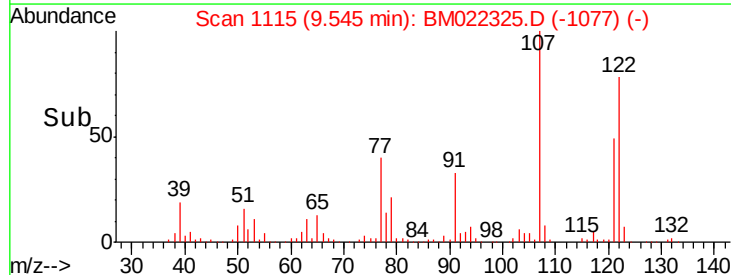
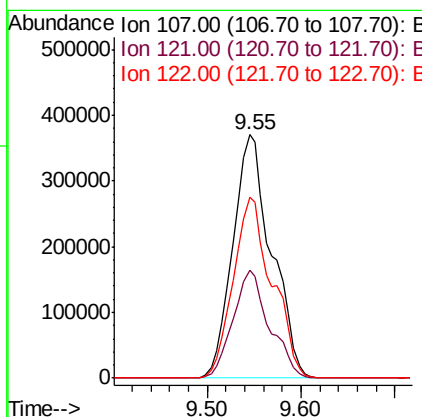
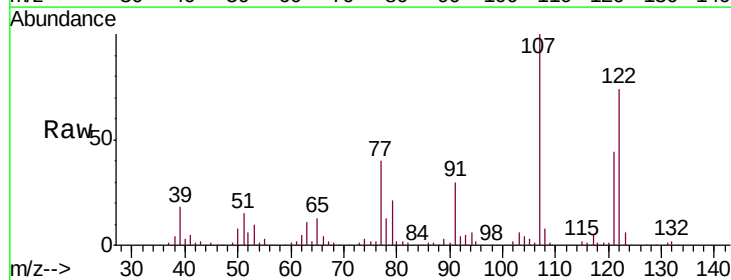
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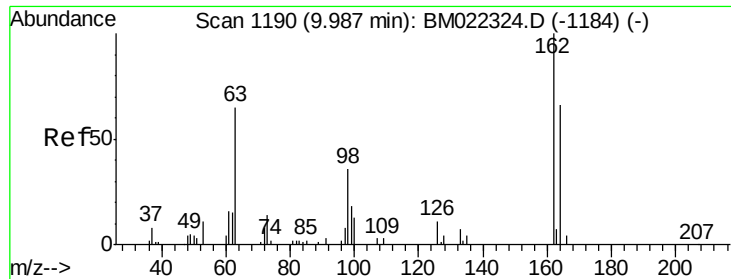
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#24
2,4-Dimethylphenol
Concen: 249.591 ng/ul
RT: 9.55 min Scan# 1115
Delta R.T. 0.02 min
Lab File: BM022325.D
Acq: 26 Aug 2019 11:39

Tgt Ion	Ratio	Lower	Upper
107	100		
121	44.1	33.6	50.4
122	74.3	58.0	87.0





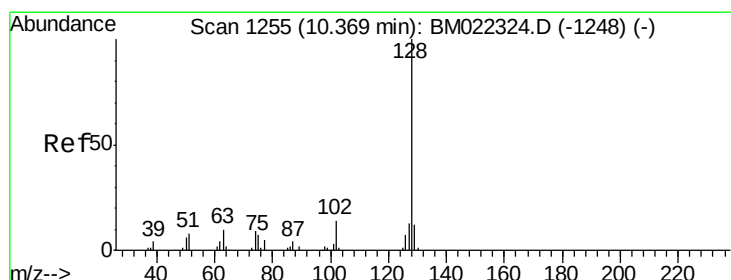
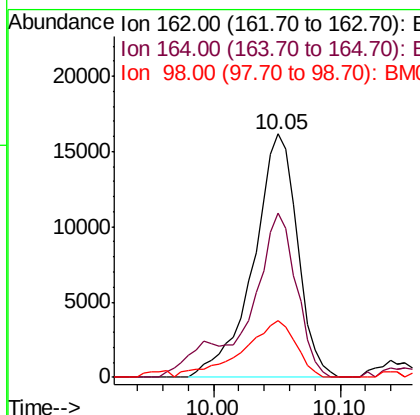
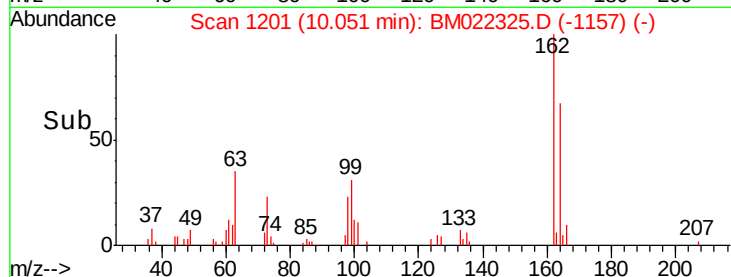
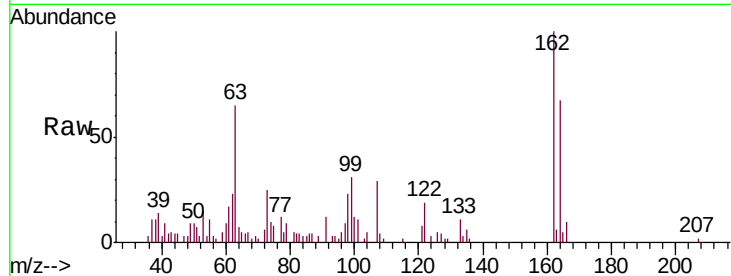
#27
 2,4-Dichlorophenol
 Concen: 11.487 ng/ul
 RT: 10.05 min Scan# 1201
 Delta R.T. 0.06 min
 Lab File: BM022325.D
 Acq: 26 Aug 2019 11:39

Instrument :
 BNA_M
 ClientSampleId :
 C0AF8

Tot Ion	Ratio	Lower	Upper
162	100		
164	67.3	52.1	78.1
98	23.1	29.2	43.8

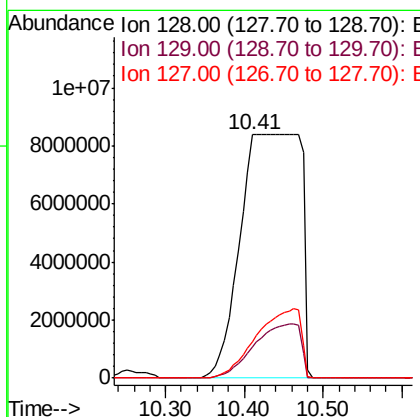
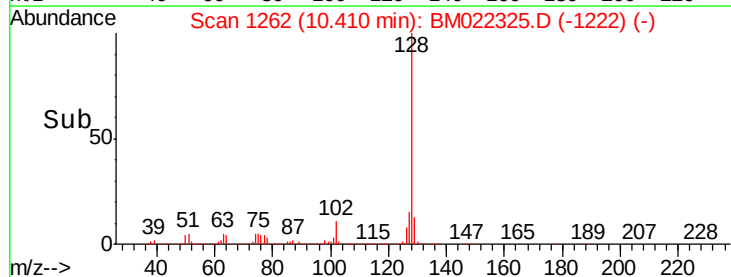
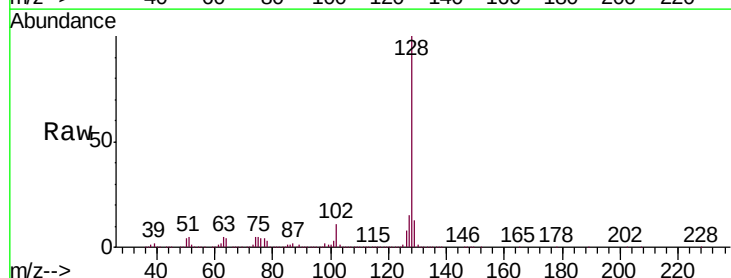
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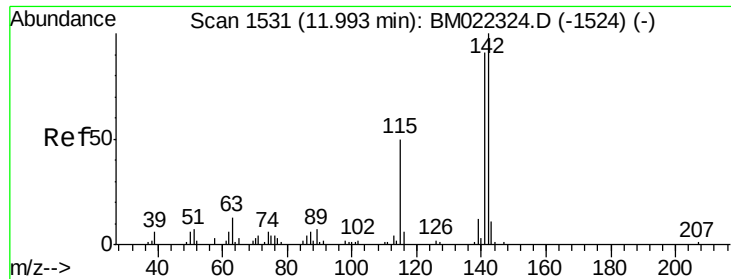
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#28
 Naphthalene
 Concen: 4238.588 ng/ul m
 RT: 10.41 min Scan# 1262
 Delta R.T. 0.04 min
 Lab File: BM022325.D
 Acq: 26 Aug 2019 11:39

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.6	8.6	13.0
127	15.1	10.4	15.6





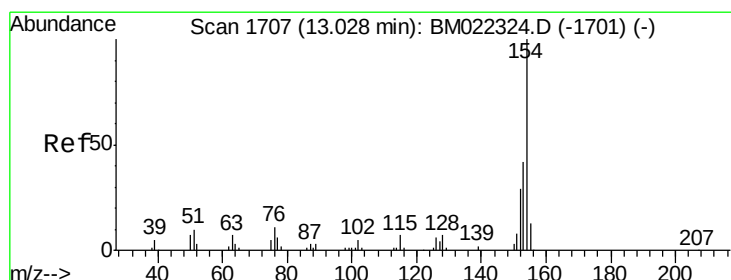
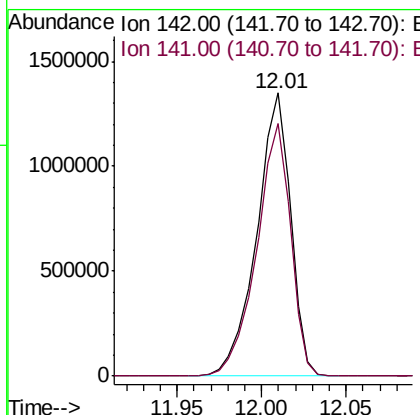
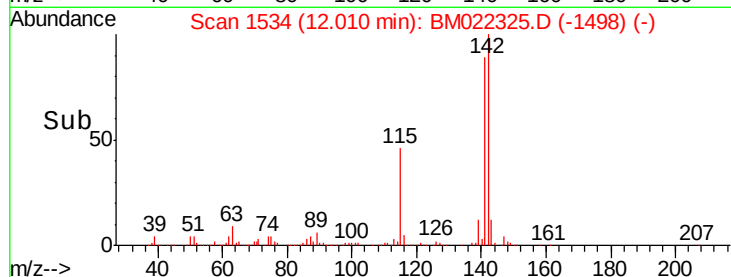
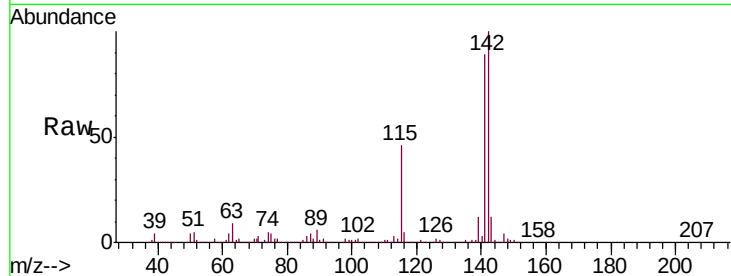
#34
 2-Methylnaphthalene
 Concen: 233.663 ng/ul
 RT: 12.01 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: BM022325.D
 Acq: 26 Aug 2019 11:39

Instrument :
 BNA_M
 ClientSampleId :
 C0AF8

Tot Ion:142 Resp: 1883042
 Ion Ratio Lower Upper
 142 100
 141 89.4 75.1 112.7

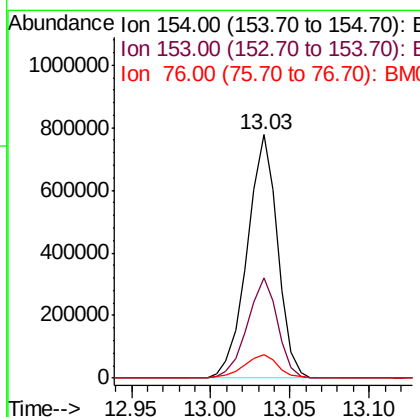
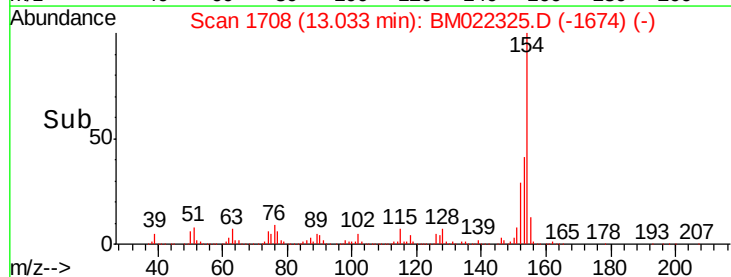
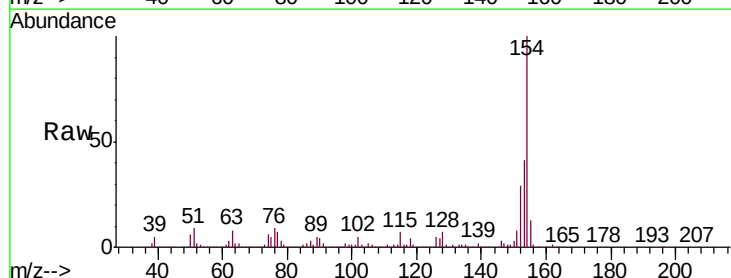
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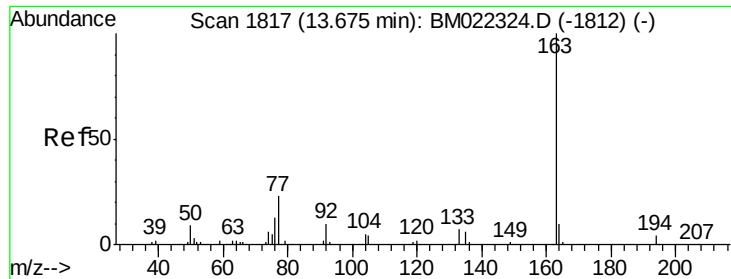
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#40
 1,1'-Biphenyl
 Concen: 115.908 ng/ul
 RT: 13.03 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: BM022325.D
 Acq: 26 Aug 2019 11:39

Tgt Ion:154 Resp: 1035512
 Ion Ratio Lower Upper
 154 100
 153 41.1 32.5 48.7
 76 9.5 9.2 13.8





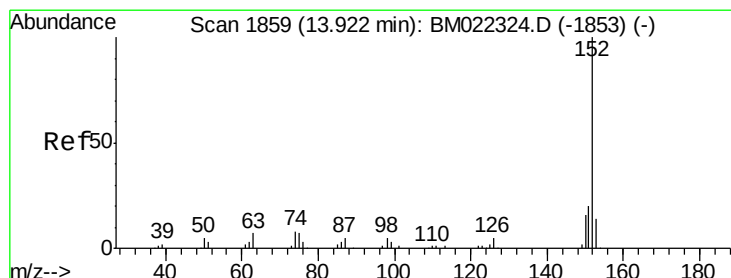
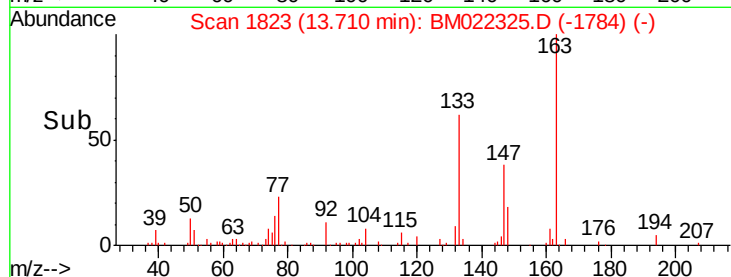
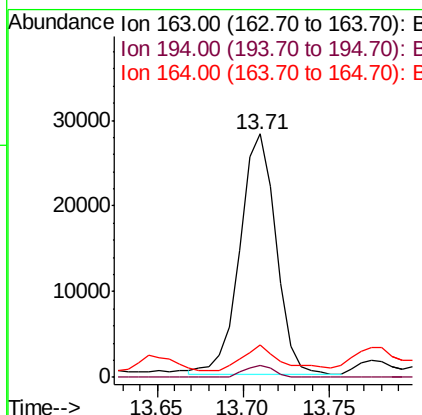
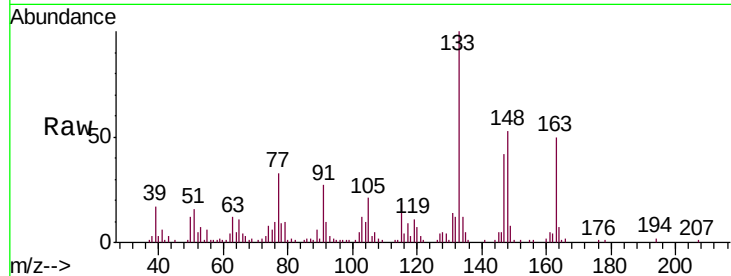
#44
Dimethylphthalate
Concen: 4.154 ng/ul m
RT: 13.71 min Scan# 1823
Delta R.T. 0.03 min
Lab File: BM022325.D
Acq: 26 Aug 2019 11:39

Instrument :
BNA_M
ClientSampleId :
C0AF8

Tot Ion	Ratio	Resp	Lower	Upper
163	100	40866		
194	4.7		3.0	4.6#
164	13.4		7.8	11.8#

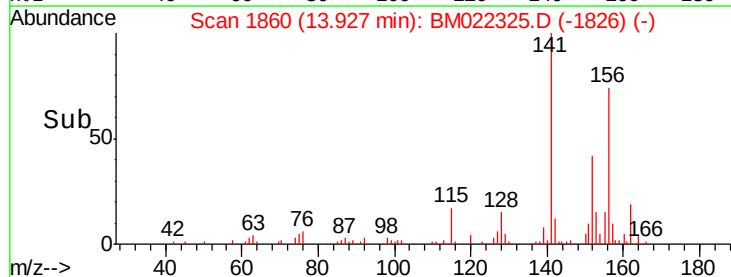
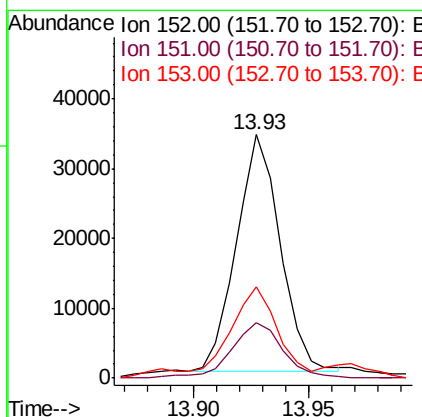
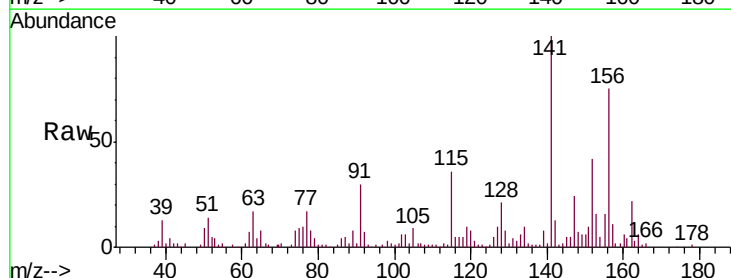
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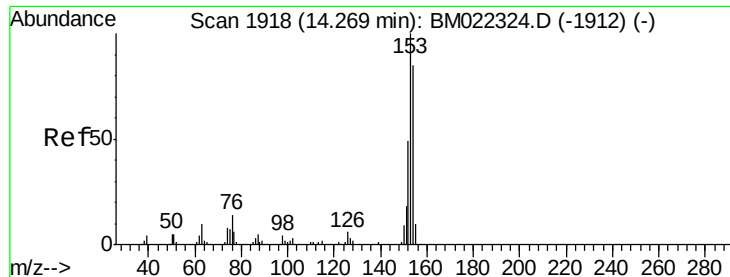
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#47
Acenaphthylene
Concen: 4.146 ng/ul
RT: 13.93 min Scan# 1860
Delta R.T. -0.00 min
Lab File: BM022325.D
Acq: 26 Aug 2019 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	44771		
151	23.0		16.0	24.0
153	37.3		10.4	15.6#





#49

Acenaphthene

Concen: 1540.453 ng/ul

RT: 14.31 min Scan# 1925

Delta R.T. 0.04 min

Lab File: BM022325.D

Acq: 26 Aug 2019 11:39

Instrument :

BNA_M

ClientSampleId :

C0AF8

Tot Ion:153 Resp:11809282

Ion Ratio Lower Upper

153 100

152 49.4 38.6 58.0

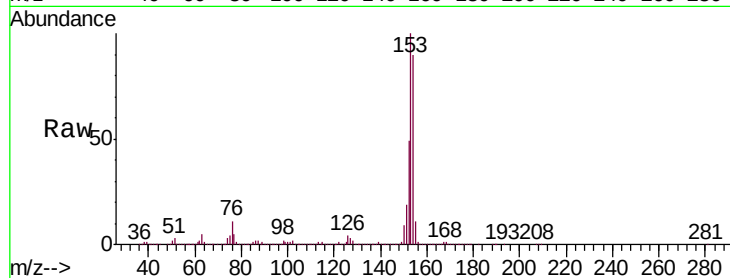
154 89.8 68.9 103.3

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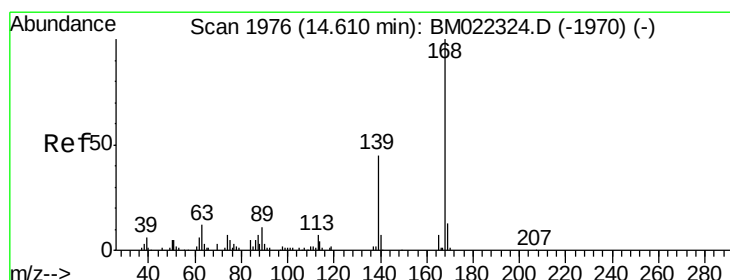
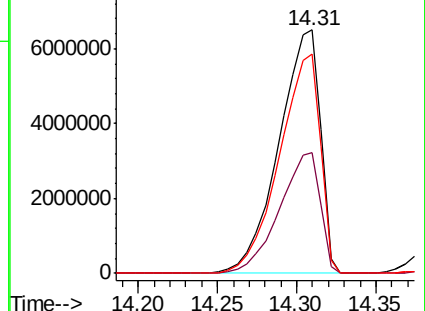
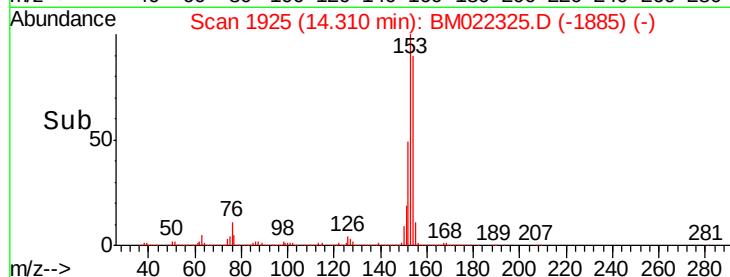
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 675.447 ng/ul m

RT: 14.64 min Scan# 1981

Delta R.T. 0.02 min

Lab File: BM022325.D

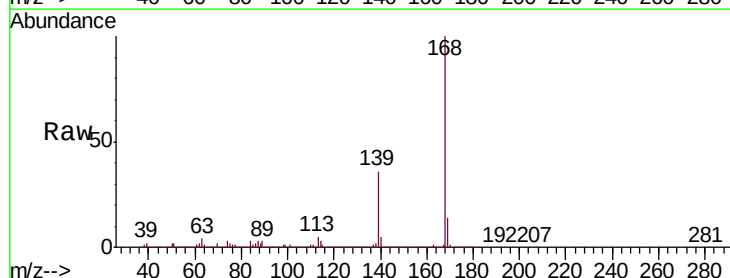
Acq: 26 Aug 2019 11:39

Tgt Ion:168 Resp: 7712236

Ion Ratio Lower Upper

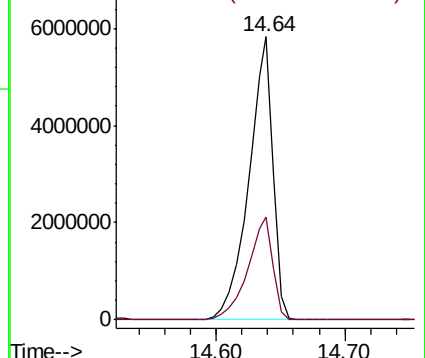
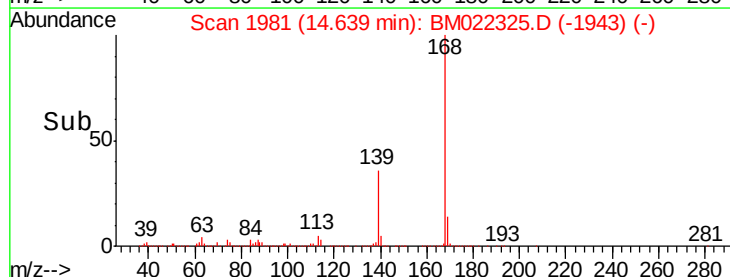
168 100

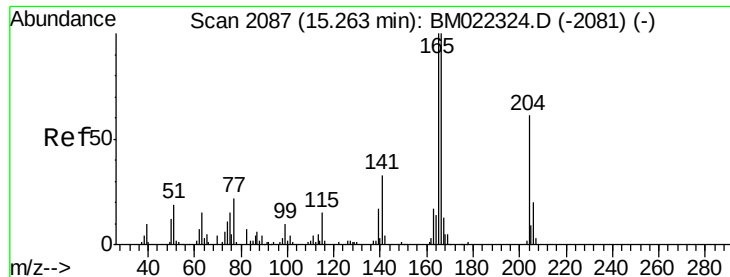
139 36.2 36.2 54.4#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 612.118 ng/ul

RT: 15.29 min Scan# 2092

Delta R.T. 0.02 min

Lab File: BM022325.D

Acq: 26 Aug 2019 11:39

Instrument :

BNA_M

ClientSampleId :

C0AF8

Tot Ion:166 Resp: 5886719

Ion Ratio Lower Upper

166 100

165 98.7 80.2 120.2

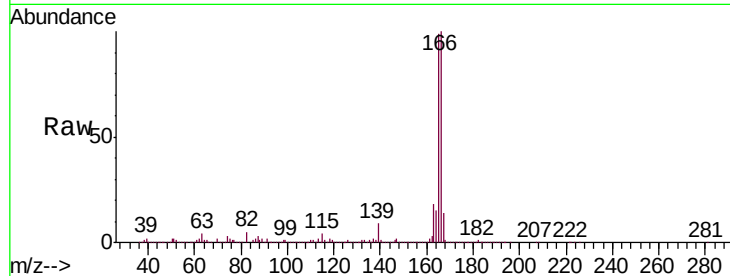
167 14.2 11.4 17.0

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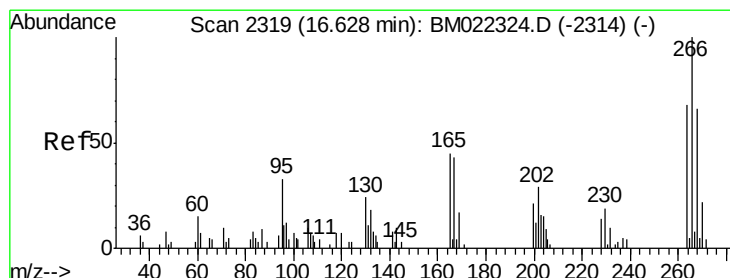
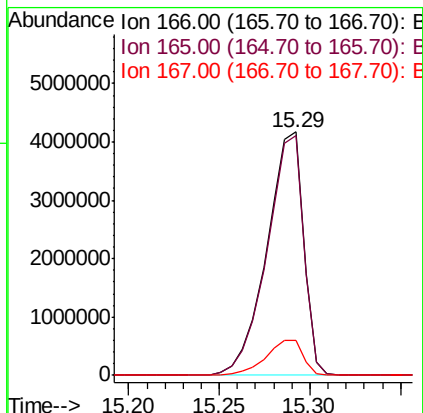
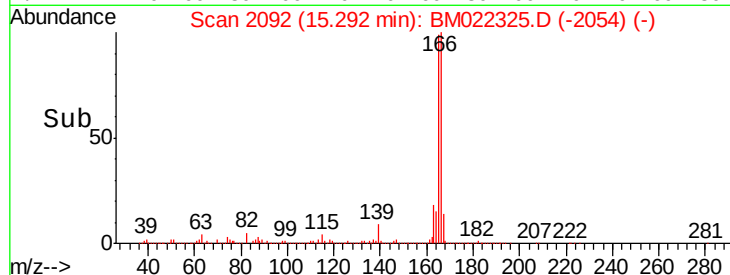
8/28/2019 9:59:45 AM



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#68

Pentachlorophenol

Concen: 25.361 ng/ul

RT: 16.64 min Scan# 2322

Delta R.T. 0.01 min

Lab File: BM022325.D

Acq: 26 Aug 2019 11:39

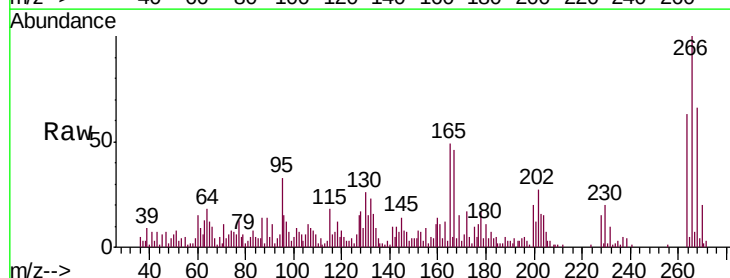
Tgt Ion:266 Resp: 70626

Ion Ratio Lower Upper

266 100

264 62.9 51.3 76.9

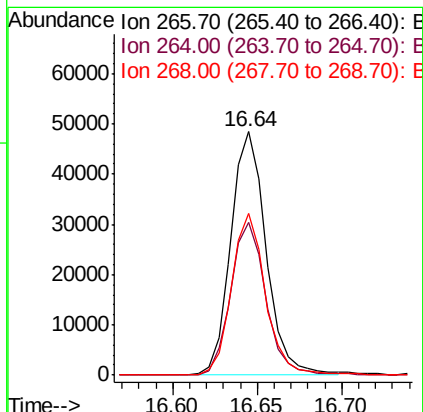
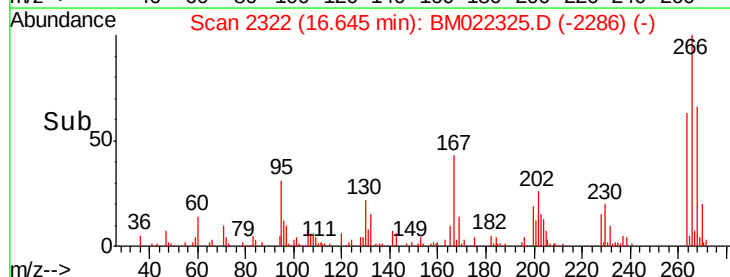
268 66.2 49.4 74.2

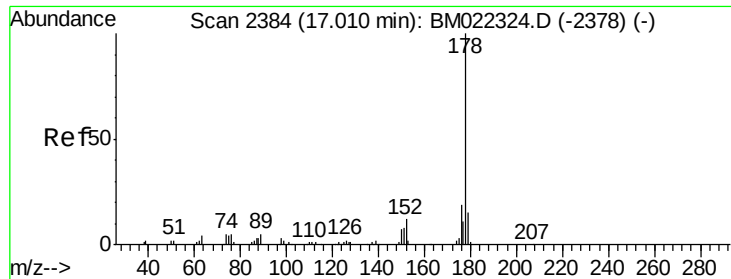


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 522.043 ng/ul

RT: 17.04 min Scan# 2389

Delta R.T. 0.02 min

Lab File: BM022325.D

Acq: 26 Aug 2019 11:39

Instrument :

BNA_M

ClientSampleId :

C0AF8

Tot Ion:178 Resp: 9026699

Ion Ratio Lower Upper

178 100

179 16.6 12.4 18.6

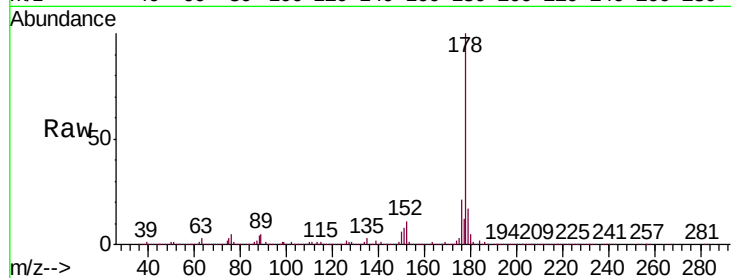
176 20.5 15.4 23.0

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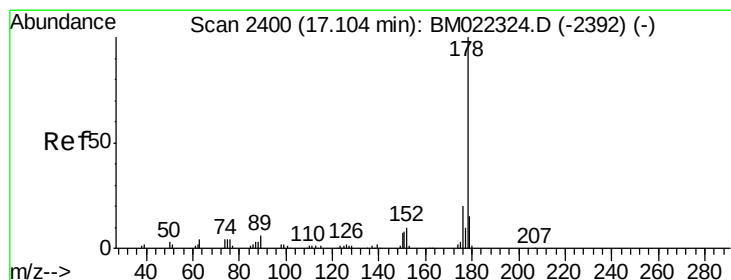
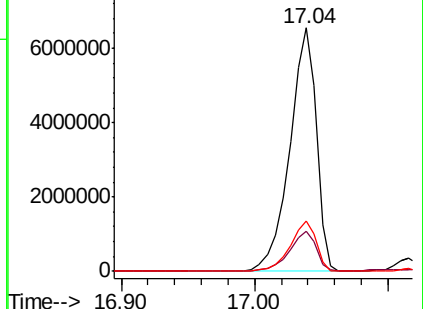
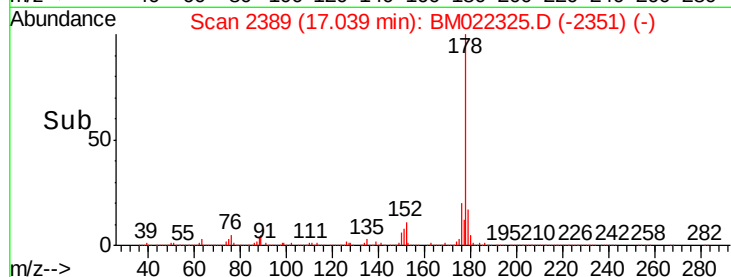
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 25.022 ng/ul

RT: 17.12 min Scan# 2402

Delta R.T. 0.01 min

Lab File: BM022325.D

Acq: 26 Aug 2019 11:39

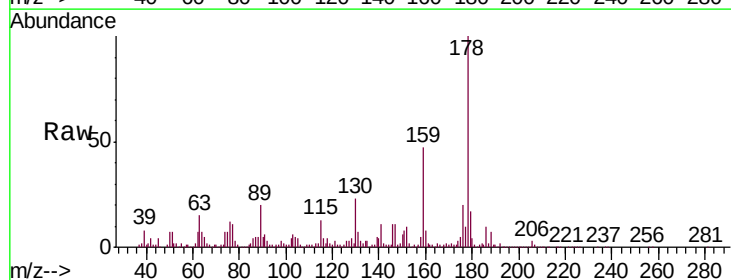
Tgt Ion:178 Resp: 450232

Ion Ratio Lower Upper

178 100

179 16.9 12.3 18.5

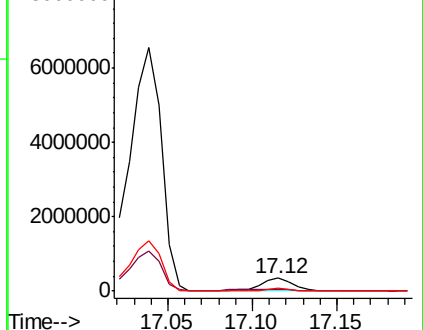
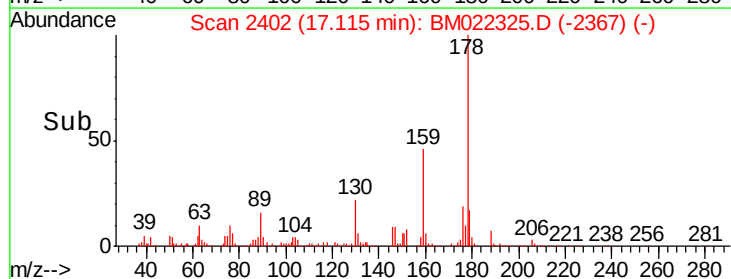
176 19.6 15.5 23.3

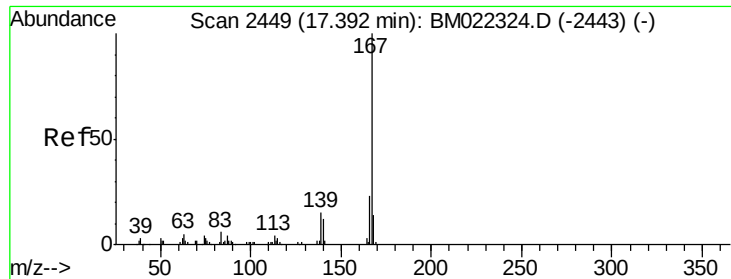


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





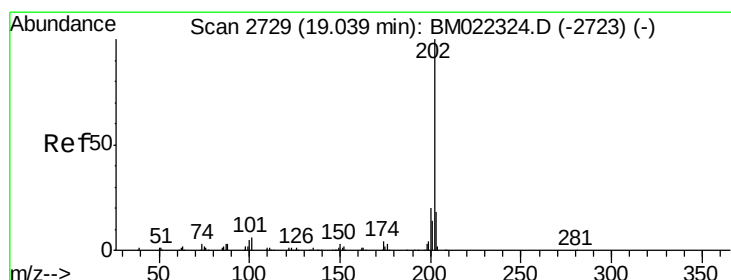
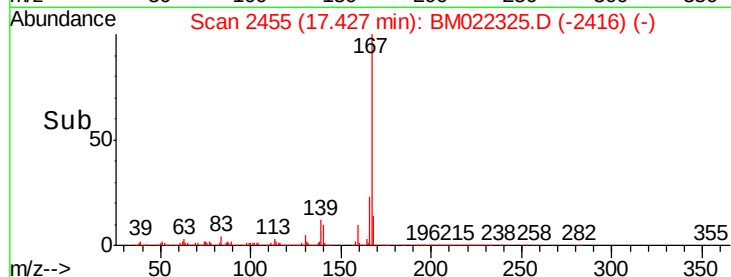
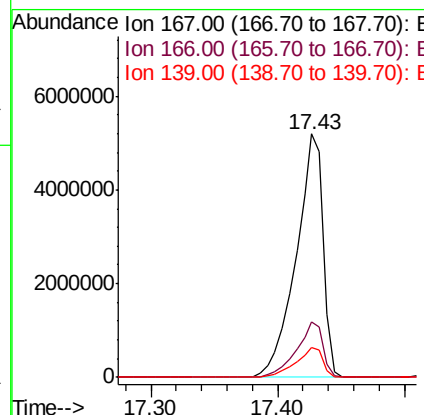
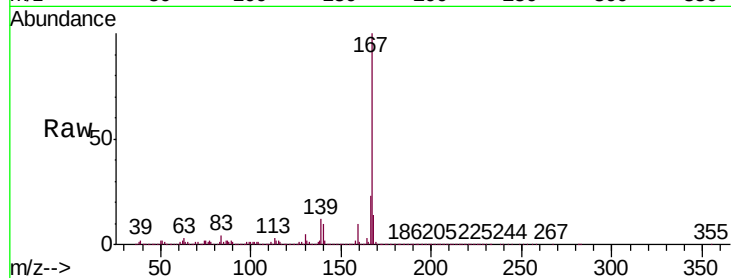
#74
 Carbazole
 Concen: 474.069 ng/ul
 RT: 17.43 min Scan# 2455
 Delta R.T. 0.03 min
 Lab File: BM022325.D
 Acq: 26 Aug 2019 11:39

Instrument :
 BNA_M
 ClientSampleId :
 C0AF8

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.8	26.8
139	12.3	11.8	17.8

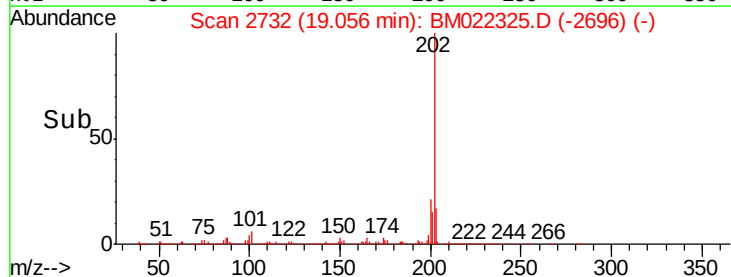
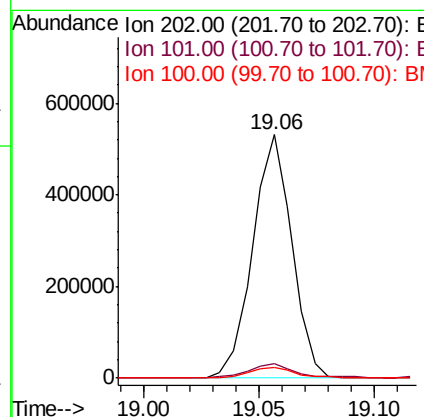
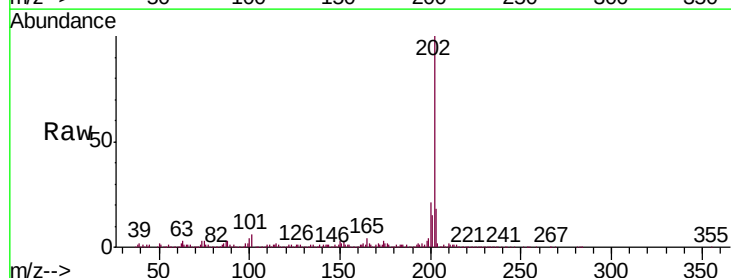
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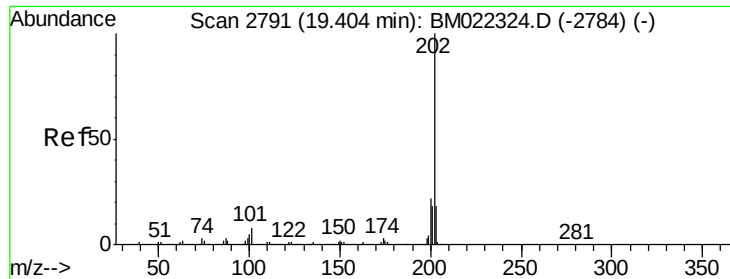
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#76
 Fluoranthene
 Concen: 23.969 ng/ul
 RT: 19.06 min Scan# 2732
 Delta R.T. 0.01 min
 Lab File: BM022325.D
 Acq: 26 Aug 2019 11:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	5.8	5.3	7.9
100	4.4	4.6	6.8#





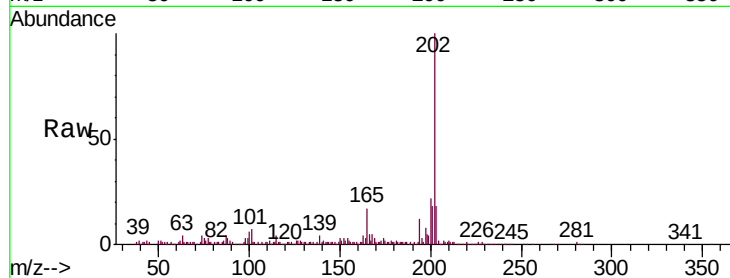
#79
Pvrene
Concen: 27.505 ng/ul
RT: 19.42 min Scan# 2793
Delta R.T. 0.01 min
Lab File: BM022325.D
Acq: 26 Aug 2019 11:39

Instrument :
BNA_M
ClientSampleId :
C0AF8

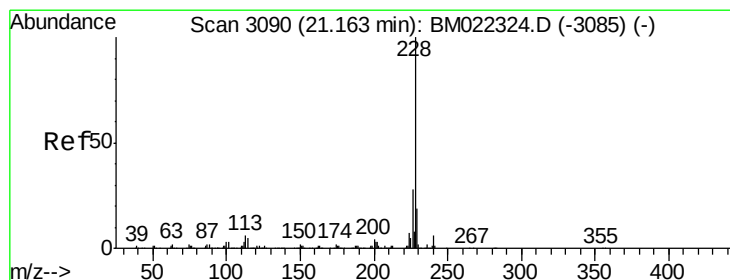
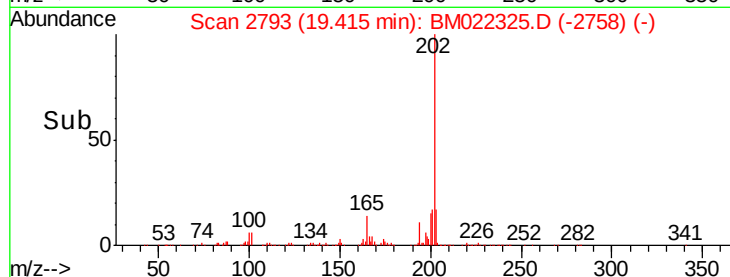
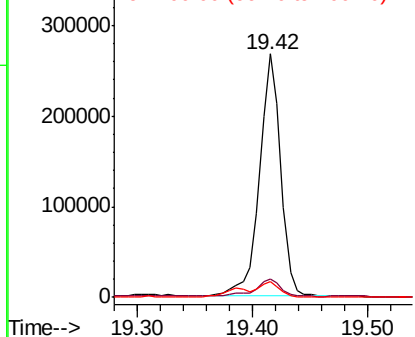
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	7.4	7.0	10.4
100	6.3	5.8	8.8

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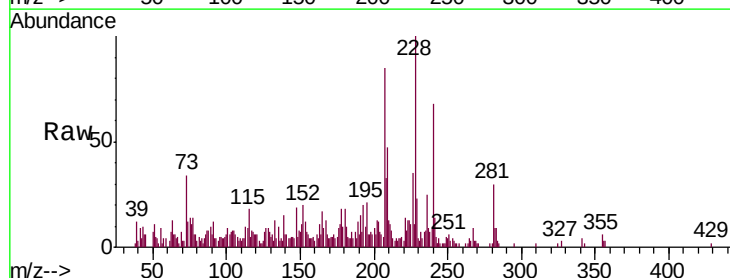


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

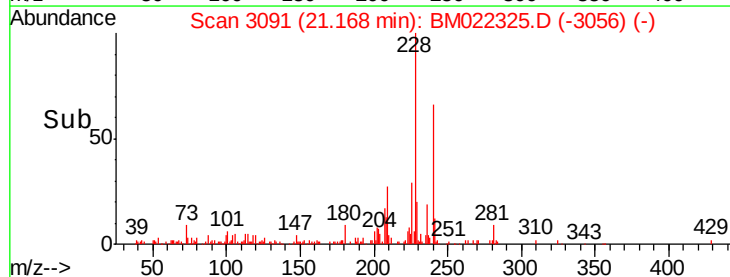
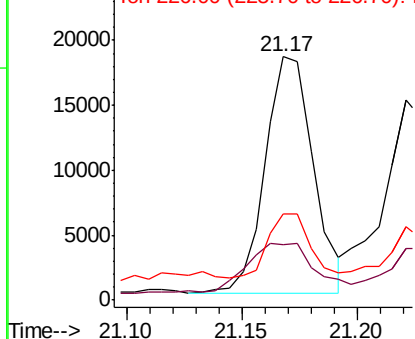


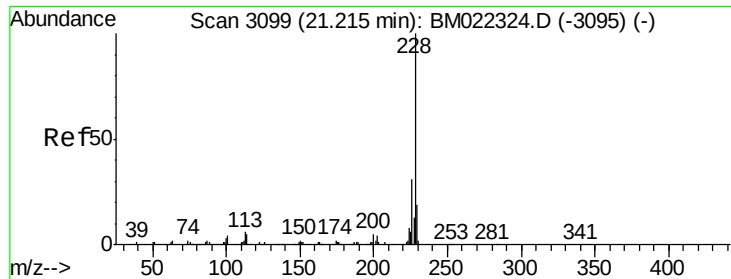
#82
Benzo(a)anthracene
Concen: 1.814 ng/ul
RT: 21.17 min Scan# 3091
Delta R.T. 0.01 min
Lab File: BM022325.D
Acq: 26 Aug 2019 11:39

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	22.7	15.2	22.8
226	35.3	22.3	33.5#



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: 1.627 ng/ul m
 RT: 21.22 min Scan# 3100
 Delta R.T. 0.01 min
 Lab File: BM022325.D
 Acq: 26 Aug 2019 11:39

Instrument :
 BNA_M
 ClientSampleId :
 C0AF8

Tot Ion	Ratio	Lower	Upper
228	100		
226	36.7	24.7	37.1
229	25.9	15.7	23.5

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