

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102819\
 Data File : BM023415.D
 Acq On : 28 Oct 2019 12:36
 Operator : JU
 Sample : K5395-10
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0003

Manual Integrations
 APPROVED

mohammad
 10/29/2019 3:35:05 PM

Quant Time: Oct 29 11:59:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 25 07:44:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	411193	20.00	ng/ul	0.00
18) Naphthalene-d8	10.41	136	1623435	20.00	ng/ul	-0.01
36) Acenaphthene-d10	14.28	164	945403	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.03	188	1857441	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	1838472	20.00	ng/ul	0.00
86) Perylene-d12	23.44	264	2230411	20.00	ng/ul	0.01

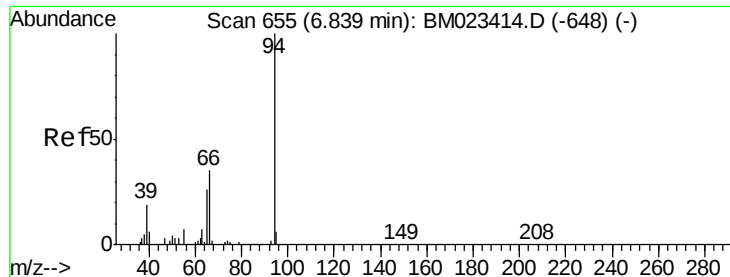
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.16	96	37424	4.32	ng/uL	0.00
5) Phenol-d5	6.82	99	746534	21.62	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.97	67	455742	22.51	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.17	132	610430	22.61	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	542354	19.34	ng/ul	0.00
19) Nitrobenzene-d5	8.78	128	301573	24.68	ng/ul	0.00
22) 2-Nitrophenol-d4	9.50	143	328430	24.22	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.04	165	594172	22.30	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	392212	12.80	ng/ul	0.00
44) Dimethylphthalate-d6	13.70	166	1772611	24.69	ng/ul	0.00
47) Acenaphthylene-d8	13.97	160	2079316	25.28	ng/ul	-0.01
52) 4-Nitrophenol-d4	14.50	143	199490	16.04	ng/ul	0.00
58) Fluorene-d10	15.27	176	1488455	24.48	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	15.41	200	181503	15.70	ng/ul	0.00
71) Anthracene-d10	17.13	188	2206219	25.13	ng/ul	0.00
79) Pyrene-d10	19.43	212	2386070	23.60	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.30	264	2862144	25.19	ng/ul	0.02

Target Compounds

					Ovalue
6) Phenol	6.84	94	84297	2.370	ng/ul 97
28) Naphthalene	10.46	128	91007	1.094	ng/ul 99
45) Dimethylphthalate	13.74	163	751663	10.428	ng/ul 100
48) Acenaphthylene	14.00	152	2205391	25.869	ng/ul 100
50) Acenaphthene	14.34	153	244604	4.079	ng/ul 99
54) Dibenzofuran	14.68	168	495384	5.768	ng/ul 97
59) Fluorene	15.33	166	424093	6.056	ng/ul 99
70) Phenanthrene	17.07	178	17343940m	167.087	ng/ul
72) Anthracene	17.16	178	5388894	51.239	ng/ul 99
75) Carbazole	17.43	167	2042156	23.033	ng/ul 99
77) Fluoranthene	19.09	202	24284363m	224.288	ng/ul
80) Pyrene	19.46	202	23618656m	181.930	ng/ul
83) Benzo(a)anthracene	21.21	228	17718385m	144.103	ng/ul
85) Chrysene	21.27	228	18000345m	158.661	ng/ul
88) Benzo(b)fluoranthene	22.78	252	28986879m	202.352	ng/ul
89) Benzo(k)fluoranthene	22.83	252	9975653m	74.161	ng/ul
91) Benzo(a)pyrene	23.35	252	21183760m	163.345	ng/ul
92) Indeno(1,2,3-cd)pyrene	25.67	276	20620150	146.845	ng/ul 97
93) Dibenzo(a,h)anthracene	25.67	278	4676966	39.500	ng/ul# 85
94) Benzo(g,h,i)perylene	26.36	276	18836765	164.878	ng/ul 97

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



#6

Phenol

Concen: 2.370 ng/ul

RT: 6.84 min Scan# 655

Delta R.T. -0.01 min

Lab File: BM023415.D

Acq: 28 Oct 2019 12:36

Instrument :

BNA_M

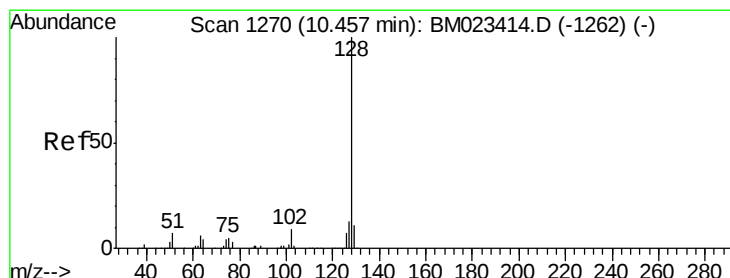
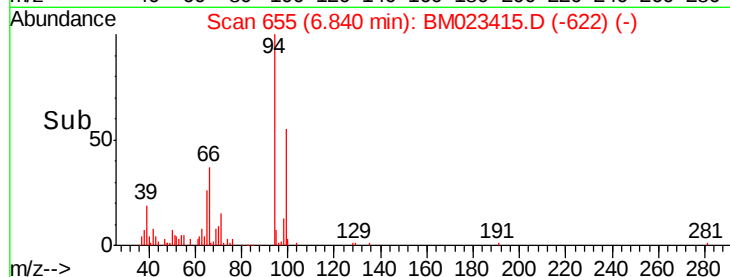
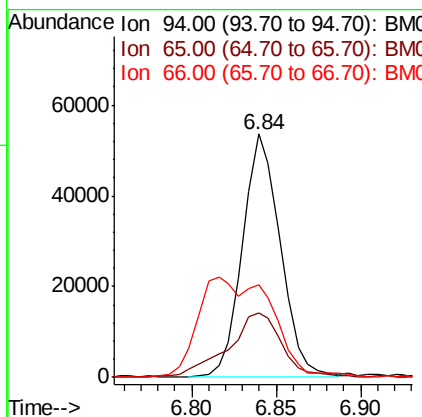
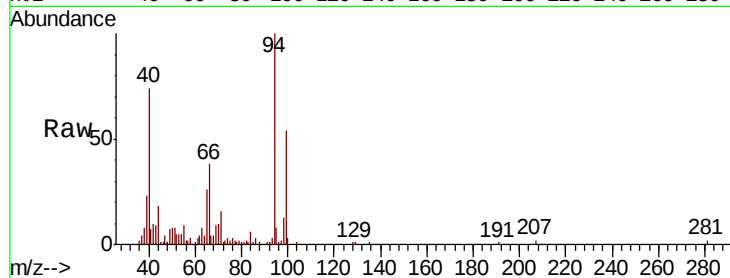
ClientSampleId :

C0003

Tot Ion:	94	Resp:	84297
Ion Ratio	Lower	Upper	
94	100		
65	26.5	22.9	34.3
66	37.8	31.4	47.2

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#28

Naphthalene

Concen: 1.094 ng/ul

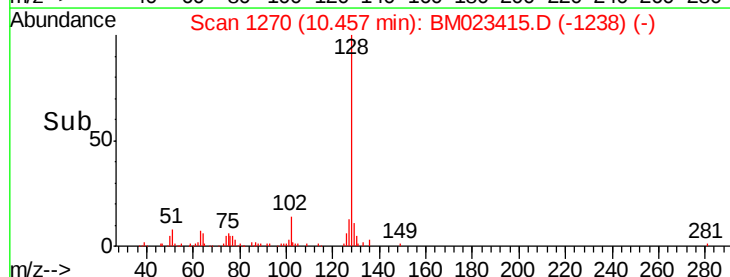
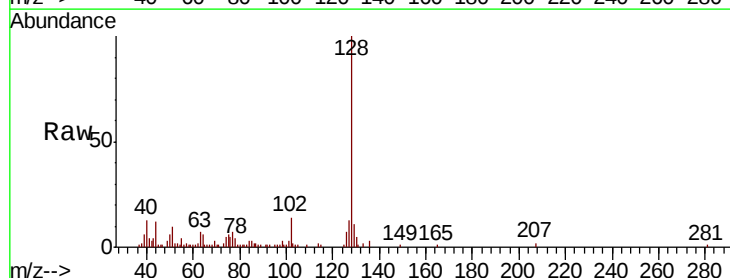
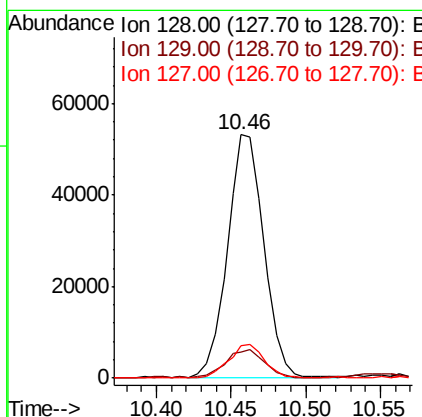
RT: 10.46 min Scan# 1270

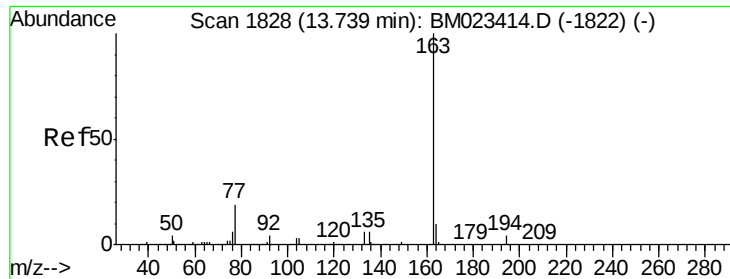
Delta R.T. -0.01 min

Lab File: BM023415.D

Acq: 28 Oct 2019 12:36

Tgt Ion:	128	Resp:	91007
Ion Ratio	Lower	Upper	
128	100		
129	10.7	8.8	13.2
127	13.2	10.4	15.6





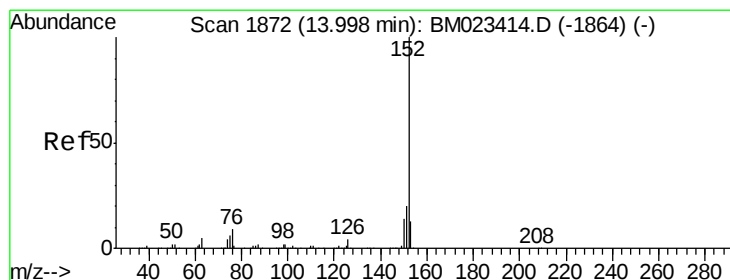
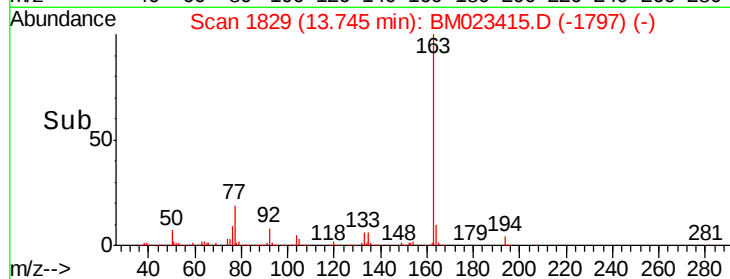
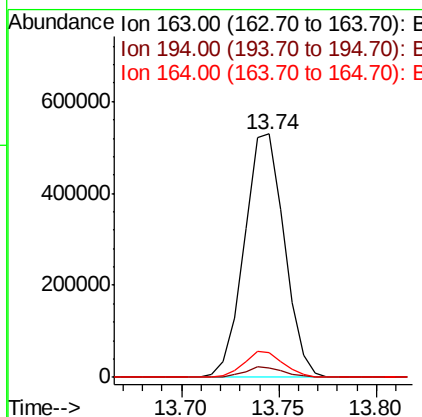
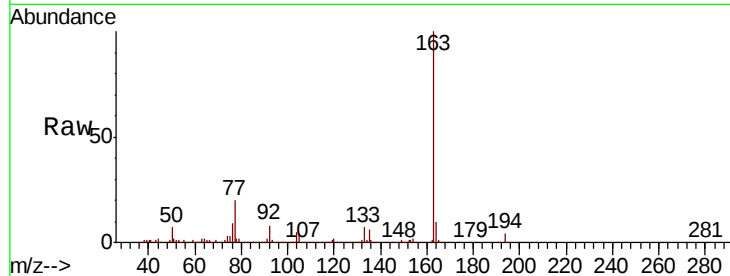
#45
Dimethylphthalate
Concen: 10.428 ng/ul
RT: 13.74 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BM023415.D
Acq: 28 Oct 2019 12:36

Instrument :
BNA_M
ClientSampleId :
C0003

Tot Ion	Ratio	Resp	Lower	Upper
163	100	751663		
194	4.0		3.3	4.9
164	10.1		7.9	11.9

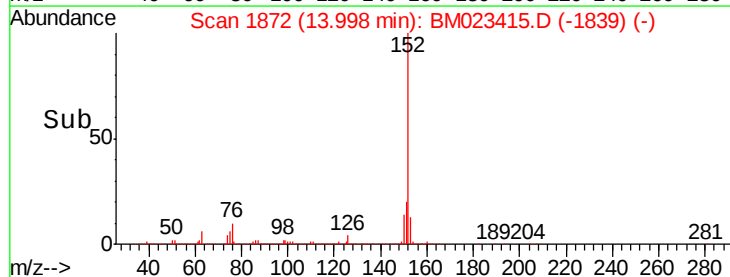
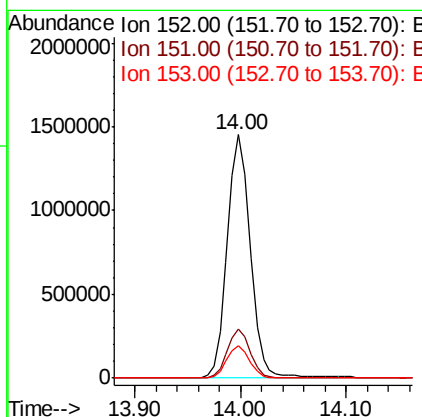
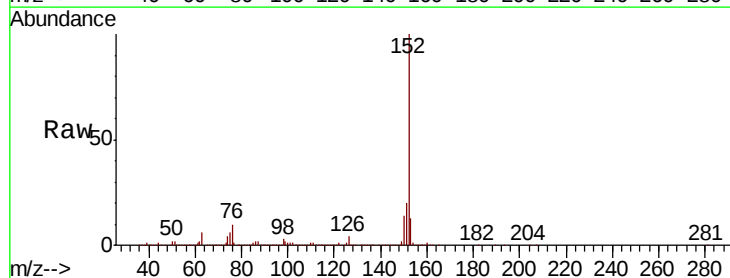
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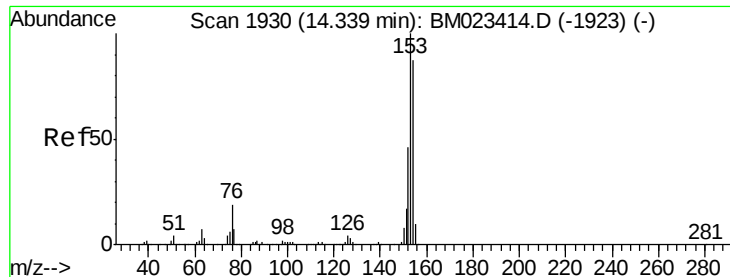
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#48
Acenaphthylene
Concen: 25.869 ng/ul
RT: 14.00 min Scan# 1872
Delta R.T. -0.01 min
Lab File: BM023415.D
Acq: 28 Oct 2019 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	2205391		
151	20.2		16.2	24.2
153	13.1		10.4	15.6





#50

Acenaphthene

Concen: 4.079 ng/ul

RT: 14.34 min Scan# 1931

Delta R.T. -0.01 min

Lab File: BM023415.D

Acq: 28 Oct 2019 12:36

Instrument :

BNA_M

ClientSampleId :

C0003

Tot Ion:153 Resp: 244604

Ion Ratio Lower Upper

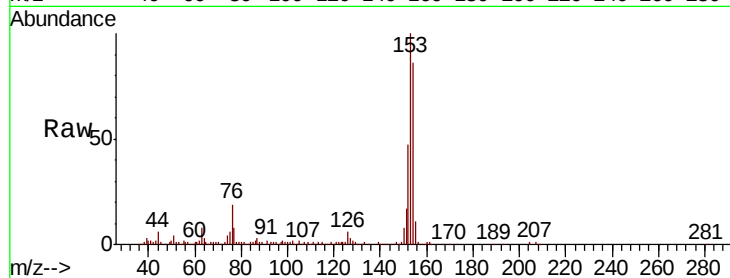
153 100

152 47.4 37.9 56.9

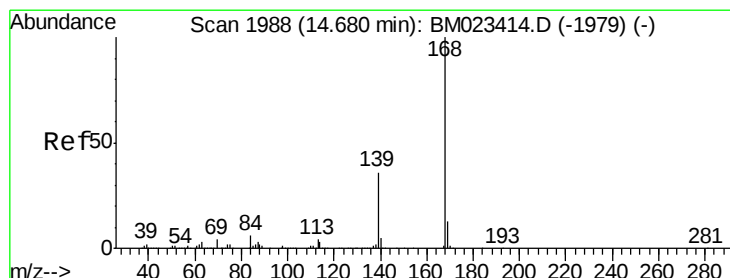
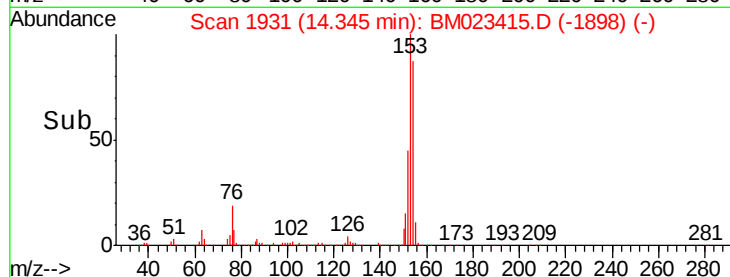
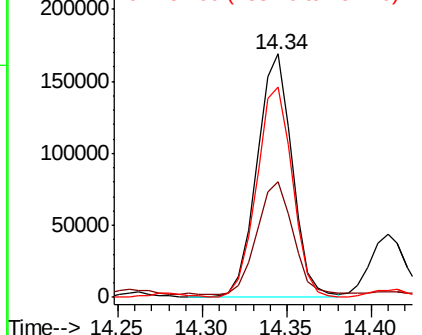
154 86.3 70.6 106.0

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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



#54

Dibenzofuran

Concen: 5.768 ng/ul

RT: 14.68 min Scan# 1988

Delta R.T. -0.01 min

Lab File: BM023415.D

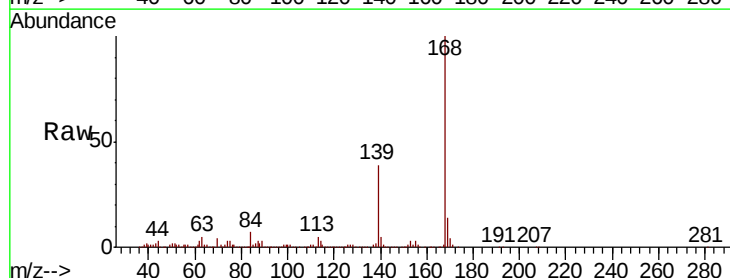
Acq: 28 Oct 2019 12:36

Tgt Ion:168 Resp: 495384

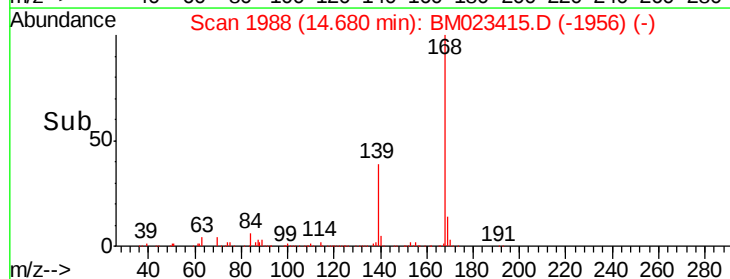
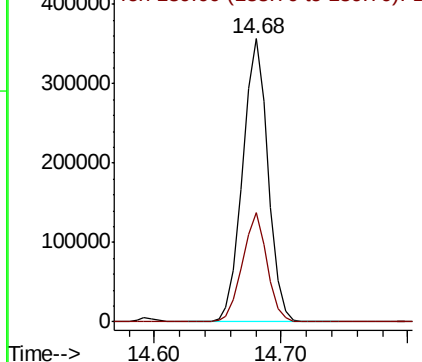
Ion Ratio Lower Upper

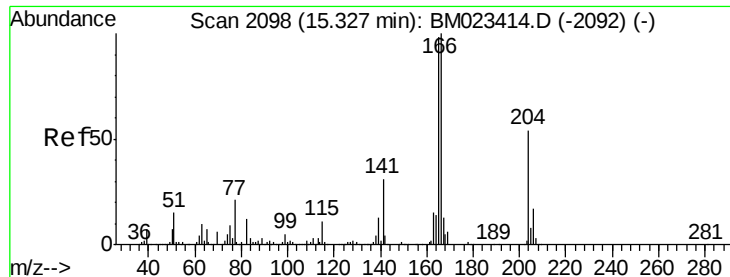
168 100

139 38.7 29.7 44.5



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





#59

Fluorene

Concen: 6.056 ng/ul

RT: 15.33 min Scan# 2099

Delta R.T. -0.01 min

Lab File: BM023415.D

Acq: 28 Oct 2019 12:36

Instrument :

BNA_M

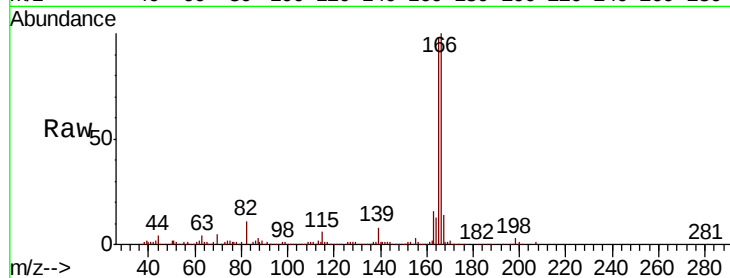
ClientSampleId :

C0003

Tot Ion:	166	Resp:	424093
Ion Ratio		Lower	Upper
166	100		
165	98.1	77.8	116.6
167	14.3	10.8	16.2

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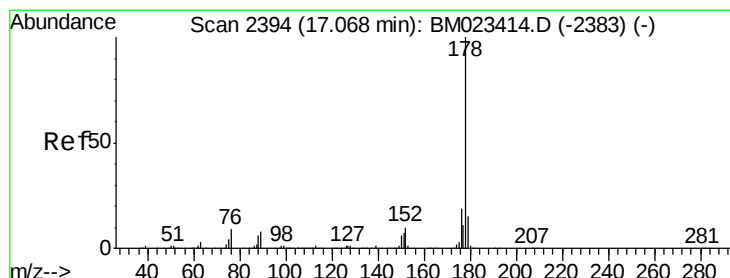
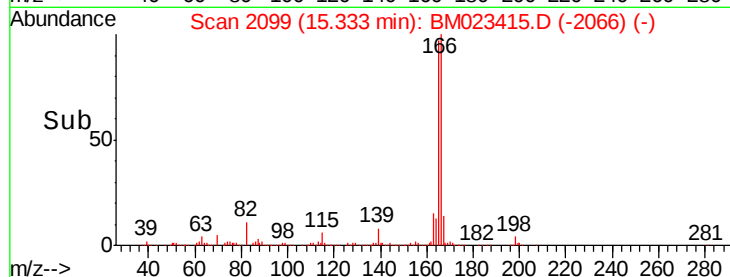
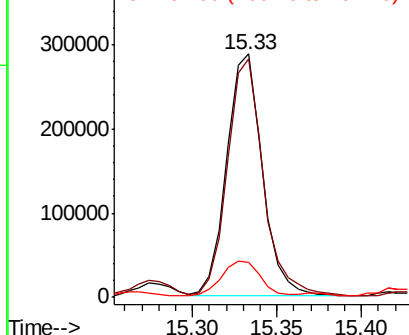


Abundance

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



#70

Phenanthrene

Concen: 167.087 ng/ul m

RT: 17.07 min Scan# 2394

Delta R.T. -0.01 min

Lab File: BM023415.D

Acq: 28 Oct 2019 12:36

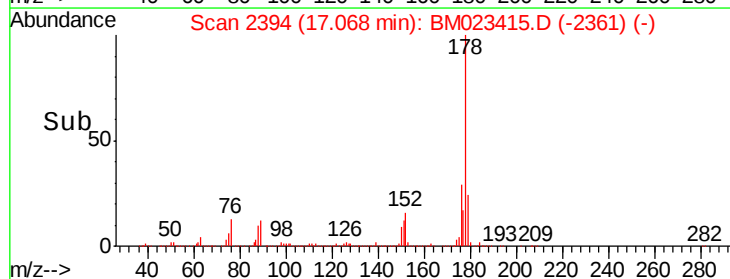
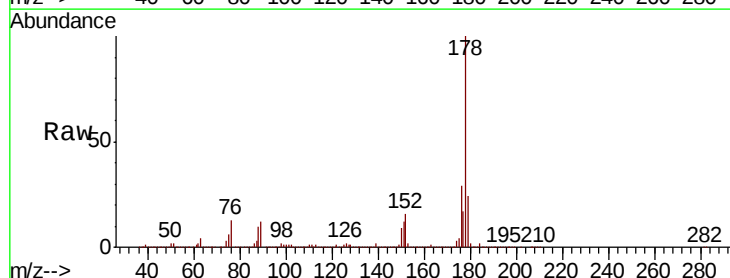
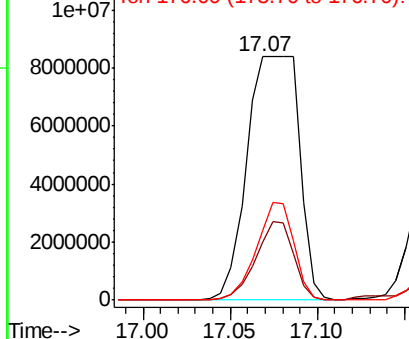
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Ion Ratio		Lower	Upper
178	100		
179	23.7	12.2	18.2#
176	28.5	14.9	22.3#

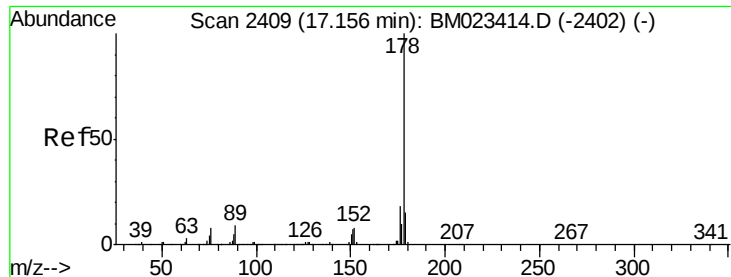
Abundance

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





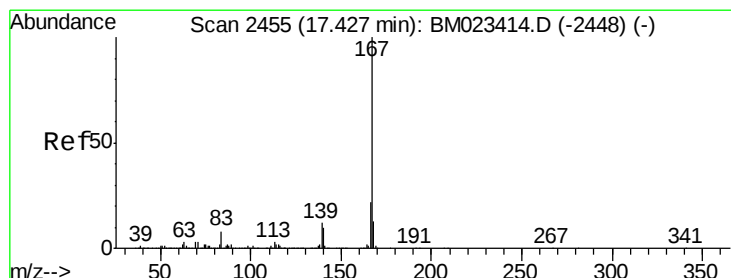
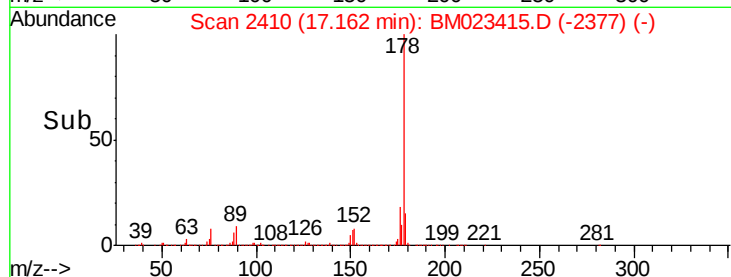
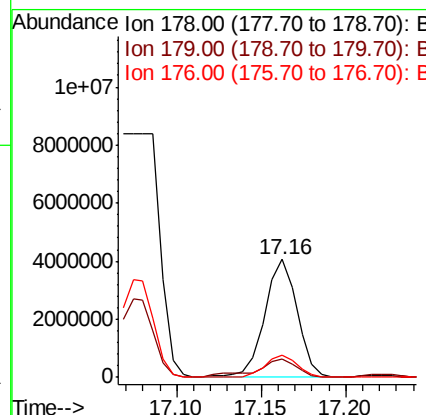
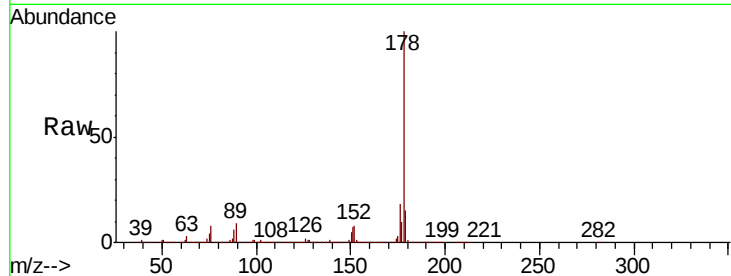
#72
 Anthracene
 Concen: 51.239 ng/ul
 RT: 17.16 min Scan# 2410
 Delta R.T. -0.01 min
 Lab File: BM023415.D
 Acq: 28 Oct 2019 12:36

Instrument :
 BNA_M
 ClientSampleId :
 C0003

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.1	18.1
176	18.5	14.4	21.6

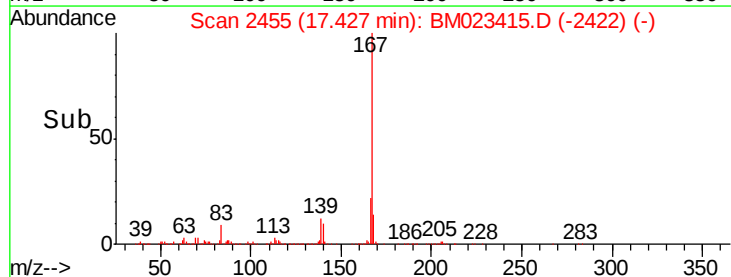
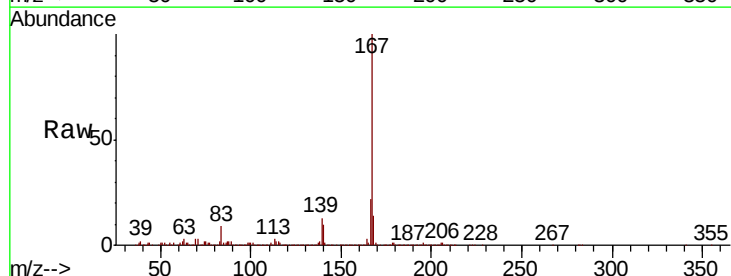
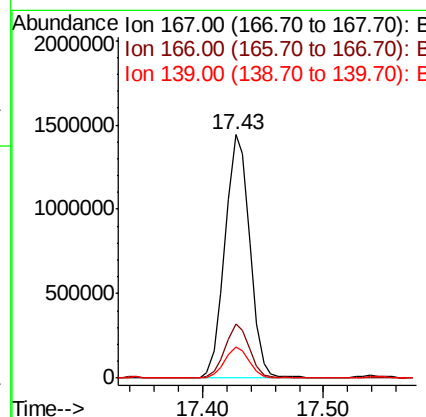
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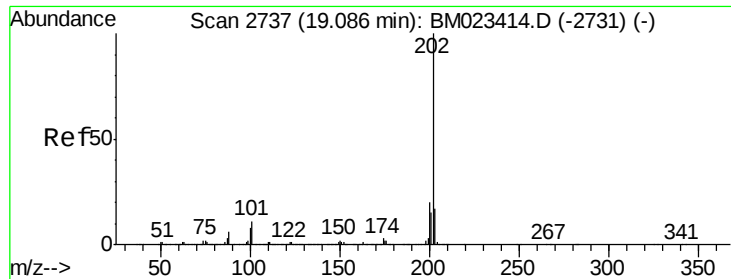
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#75
 Carbazole
 Concen: 23.033 ng/ul
 RT: 17.43 min Scan# 2455
 Delta R.T. -0.01 min
 Lab File: BM023415.D
 Acq: 28 Oct 2019 12:36

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.1	25.7
139	12.6	10.0	15.0





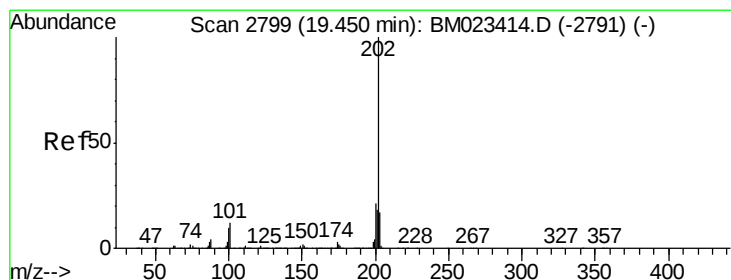
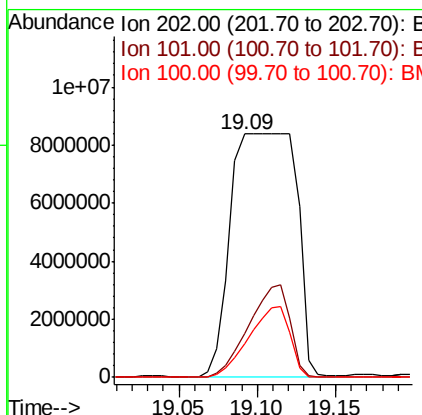
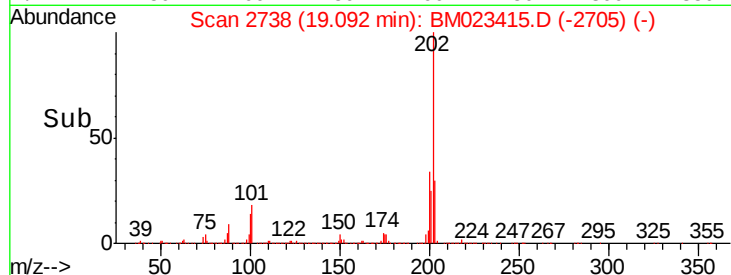
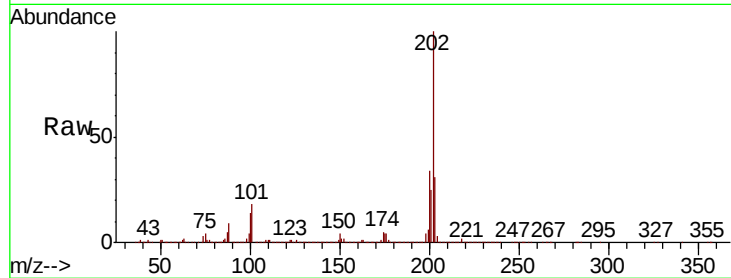
#77
Fluoranthene
 Concen: 224.288 ng/ul m
 RT: 19.09 min Scan# 2738
 Delta R.T. -0.01 min
 Lab File: BM023415.D
 Acq: 28 Oct 2019 12:36

Instrument :
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 C0003

Tot Ion	Ion	Ratio	Lower	Upper
202	100			
101	18.1	8.1	12.1#	
100	14.0	6.2	9.2#	

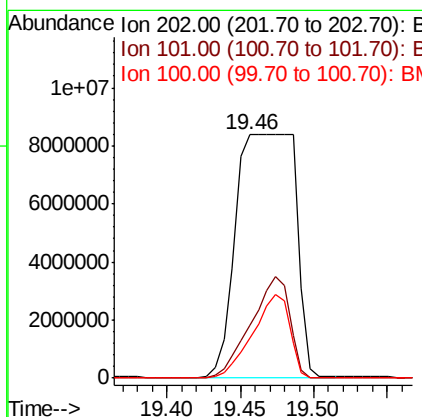
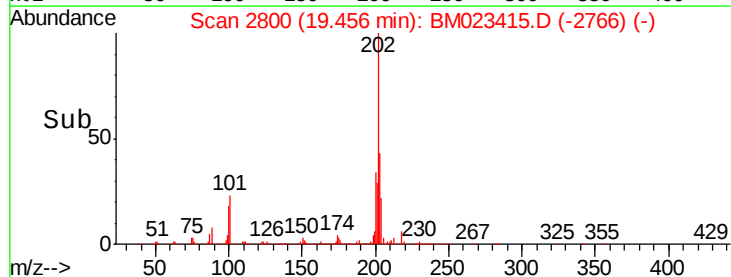
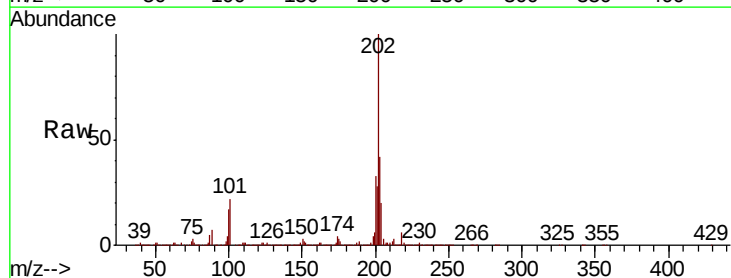
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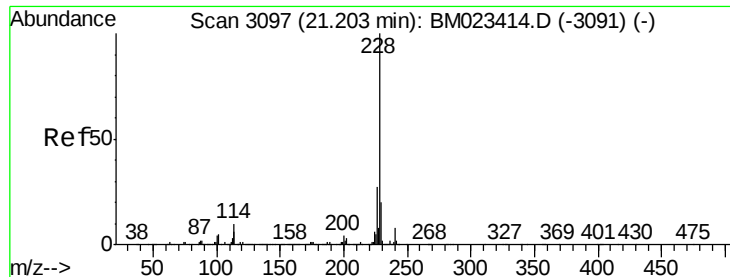
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#80
Pyrene
 Concen: 181.930 ng/ul m
 RT: 19.46 min Scan# 2800
 Delta R.T. -0.00 min
 Lab File: BM023415.D
 Acq: 28 Oct 2019 12:36

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
101	21.9	10.0	15.0#	
100	16.7	8.3	12.5#	





#83

Benzo(a)anthracene

Concen: 144.103 ng/ul m

RT: 21.21 min Scan# 3098

Delta R.T. -0.00 min

Lab File: BM023415.D

Acq: 28 Oct 2019 12:36

Instrument :

BNA_M

ClientSampled :

C0003

Tot Ion:228 Resp:17718385

Ion Ratio Lower Upper

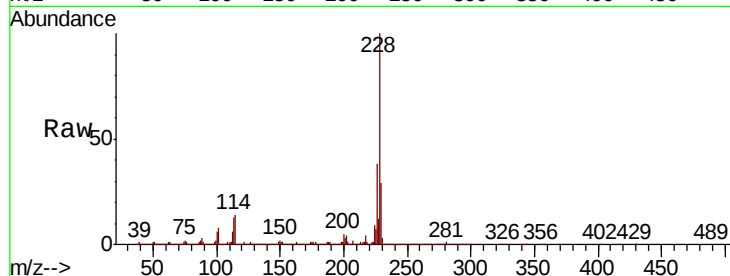
228 100

229 28.9 15.8 23.8#

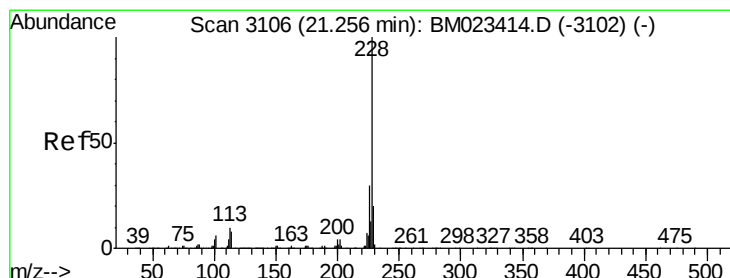
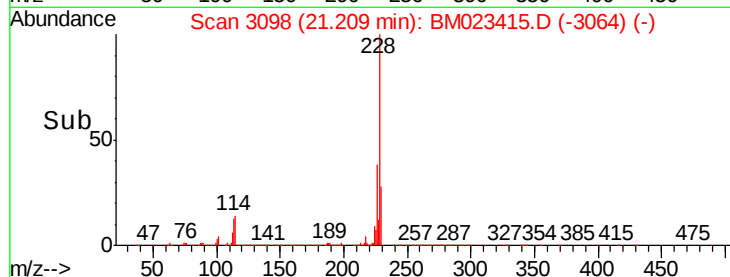
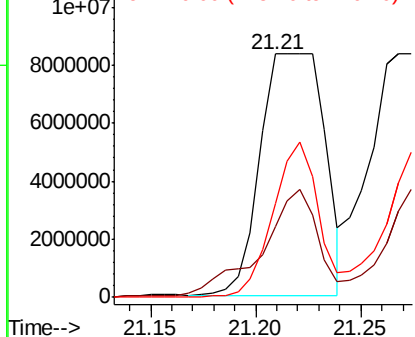
226 38.5 21.6 32.4#

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#85

Chrysene

Concen: 158.661 ng/ul m

RT: 21.27 min Scan# 3108

Delta R.T. 0.01 min

Lab File: BM023415.D

Acq: 28 Oct 2019 12:36

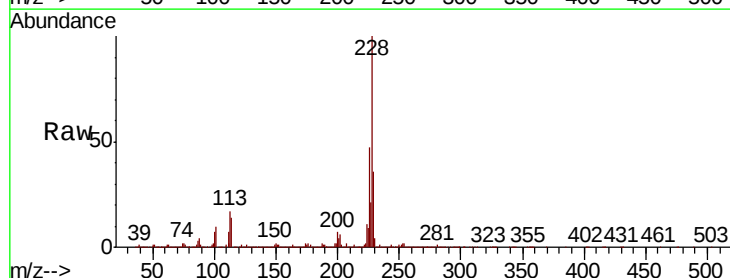
Tgt Ion:228 Resp:18000345

Ion Ratio Lower Upper

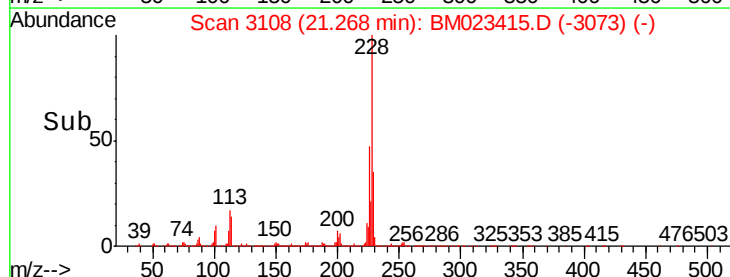
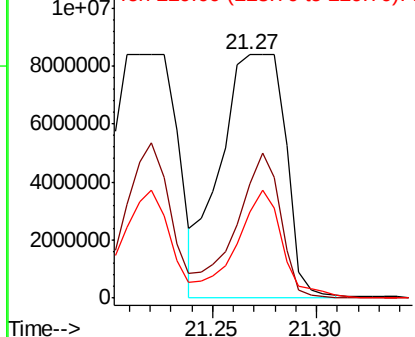
228 100

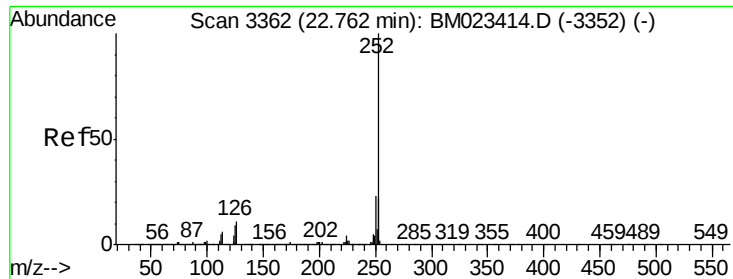
226 47.2 24.0 36.0#

229 35.6 16.0 24.0#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





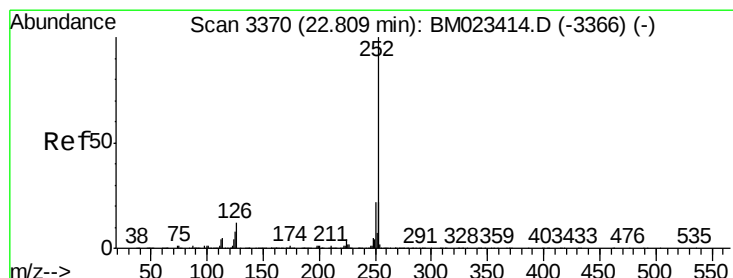
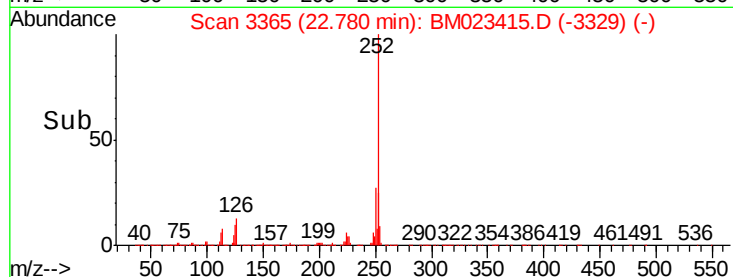
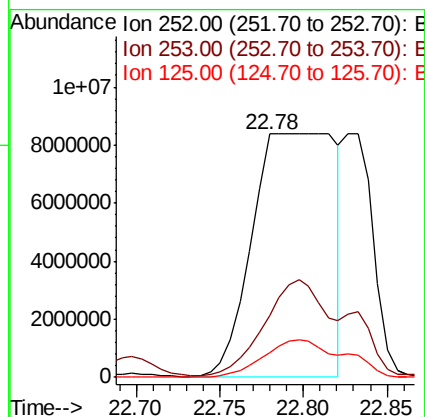
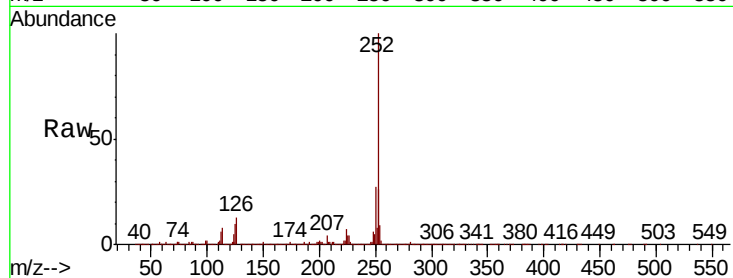
#88
Benzo(b)fluoranthene
Concen: 202.352 ng/ul m
RT: 22.78 min Scan# 3365
Delta R.T. 0.01 min
Lab File: BM023415.D
Acq: 28 Oct 2019 12:36

Instrument :
BNA_M
ClientSampled :
C0003

Tot Ion:252 Resp:28986879
Ion Ratio Lower Upper
252 100
253 25.6 17.5 26.3
125 10.2 7.1 10.7

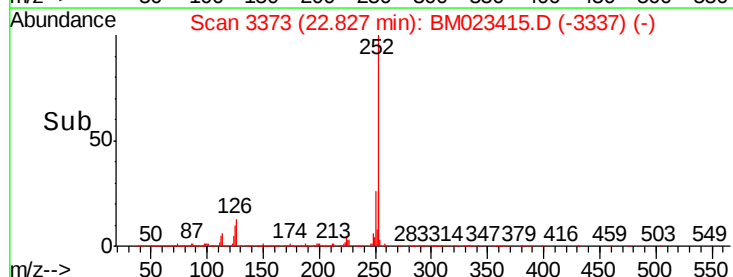
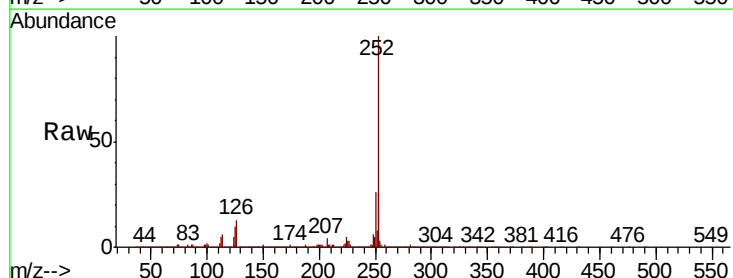
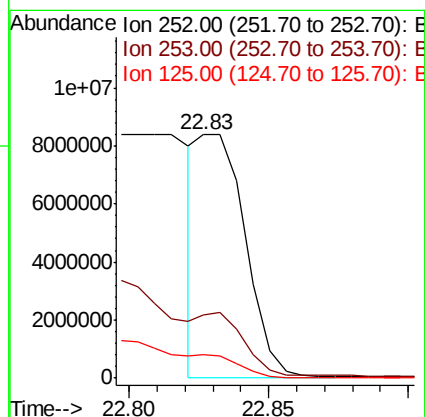
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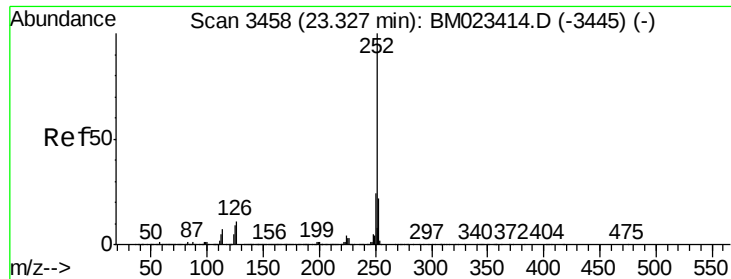
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#89
Benzo(k)fluoranthene
Concen: 74.161 ng/ul m
RT: 22.83 min Scan# 3373
Delta R.T. 0.01 min
Lab File: BM023415.D
Acq: 28 Oct 2019 12:36

Tgt Ion:252 Resp: 9975653
Ion Ratio Lower Upper
252 100
253 26.0 17.8 26.6
125 9.8 6.8 10.2





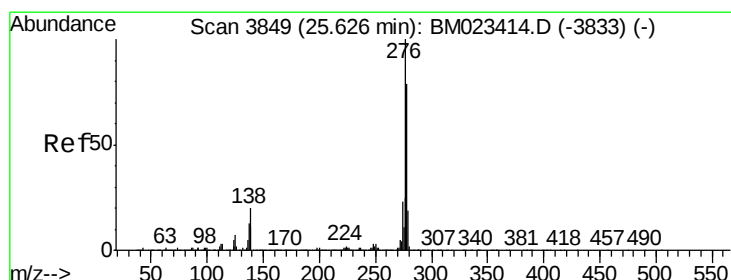
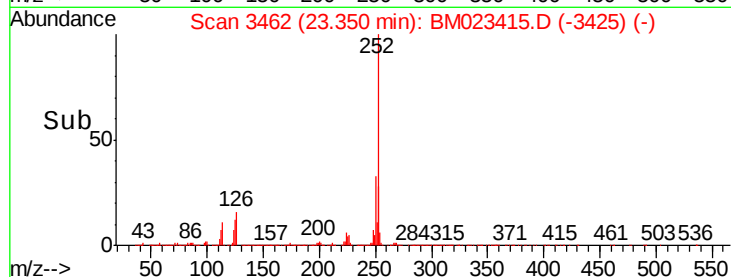
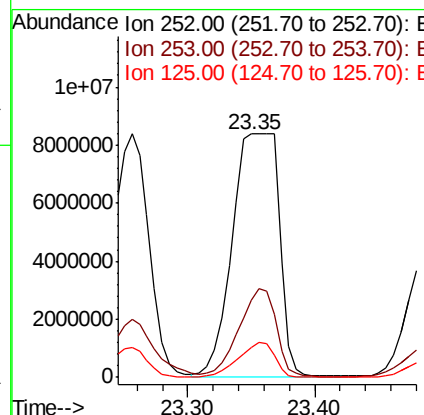
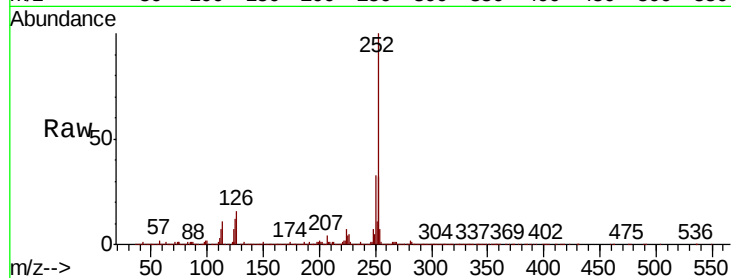
#91
Benzo(a)pyrene
Concen: 163.345 ng/ul m
RT: 23.35 min Scan# 3462
Delta R.T. 0.02 min
Lab File: BM023415.D
Acq: 28 Oct 2019 12:36

Instrument :
BNA_M
ClientSampled :
C0003

Tot Ion:252 Resp:21183760
Ion Ratio Lower Upper
252 100
253 31.6 17.7 26.5#
125 12.4 7.5 11.3#

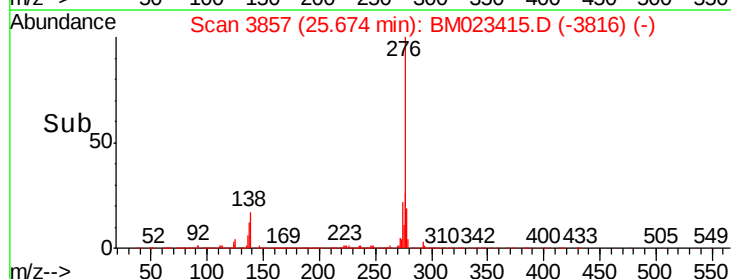
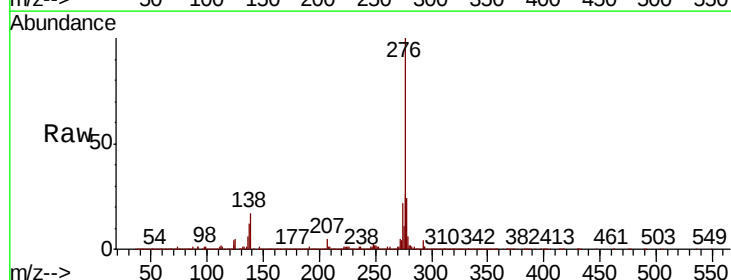
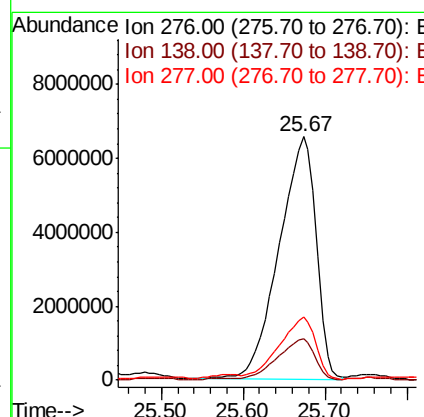
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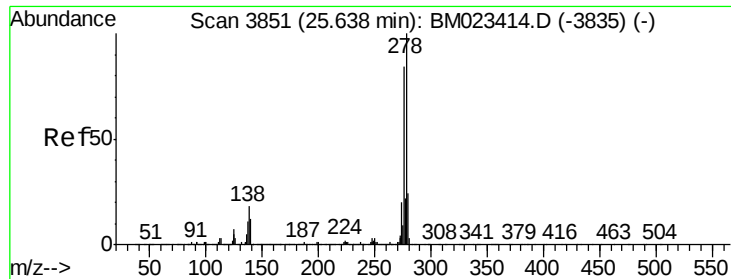
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#92
Indeno(1,2,3-cd)pyrene
Concen: 146.845 ng/ul
RT: 25.67 min Scan# 3857
Delta R.T. 0.04 min
Lab File: BM023415.D
Acq: 28 Oct 2019 12:36

Tgt Ion:276 Resp:20620150
Ion Ratio Lower Upper
276 100
138 17.0 15.7 23.5
277 25.7 20.2 30.2





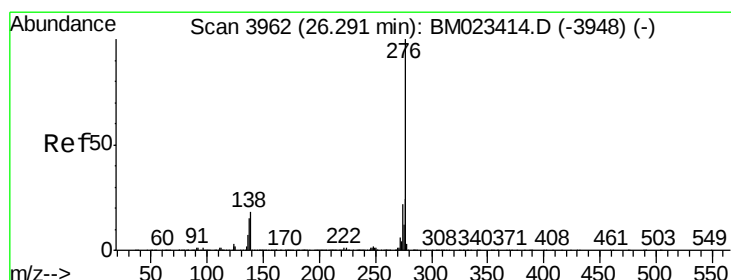
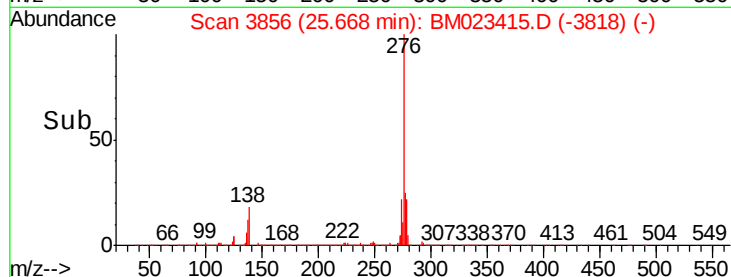
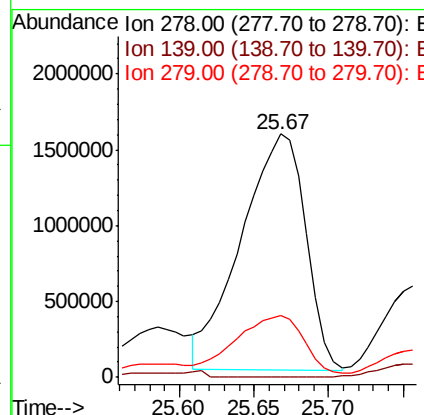
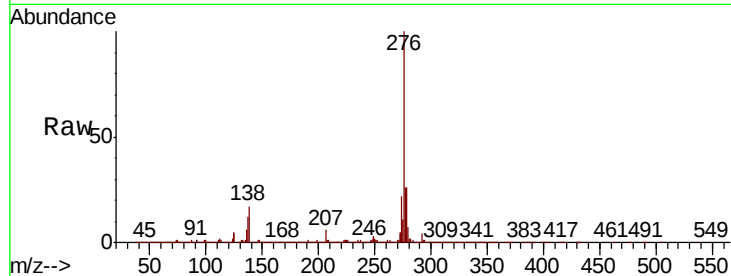
#93
Dibenzo(a,h)anthracene
Concen: 39.500 ng/ul
RT: 25.67 min Scan# 3856
Delta R.T. 0.02 min
Lab File: BM023415.D
Acq: 28 Oct 2019 12:36

Instrument :
BNA_M
ClientSampleId :
C0003

Tot Ion:278 Resp: 4676966
Ion Ratio Lower Upper
278 100
139 0.0 10.9 16.3#
279 25.6 18.7 28.1

Manual Integrations
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#94
Benzo(g,h,i)perylene
Concen: 164.878 ng/ul
RT: 26.36 min Scan# 3973
Delta R.T. 0.05 min
Lab File: BM023415.D
Acq: 28 Oct 2019 12:36

Tgt Ion:276 Resp:18836765
Ion Ratio Lower Upper
276 100
138 16.8 14.4 21.6
277 25.0 19.0 28.6

