

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102319\
 Data File : BM023351.D
 Acq On : 23 Oct 2019 20:47
 Operator : JU
 Sample : K5346-08
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ETOM1

Manual Integrations
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 10/24/2019 5:02:48 PM

Quant Time: Oct 24 03:56:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 23 18:47:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	616059	20.00	ng/ul	0.00
18) Naphthalene-d8	10.42	136	2731996	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	1714219	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.03	188	3093165	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	2068371	20.00	ng/ul	0.00
86) Perylene-d12	23.43	264	2427713	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.16	96	54203	4.18	ng/uL	0.00
5) Phenol-d5	6.82	99	1177203	22.75	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.98	67	750312	24.74	ng/ul	0.00
9) 2-Chlorophenol-d4	7.17	132	1003228	24.80	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	939570	22.36	ng/ul	0.00
19) Nitrobenzene-d5	8.79	128	544049	26.45	ng/ul	0.00
22) 2-Nitrophenol-d4	9.50	143	606637	26.58	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	1135628	25.32	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	1029348	19.96	ng/ul	0.00
44) Dimethylphthalate-d6	13.70	166	3800366	29.19	ng/ul	0.00
47) Acenaphthylene-d8	13.97	160	4164667	27.93	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	286390	12.70	ng/ul	0.00
58) Fluorene-d10	15.28	176	3166238	28.72	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	408185	21.20	ng/ul	0.00
71) Anthracene-d10	17.13	188	4597409	31.45	ng/ul	0.00
79) Pyrene-d10	19.43	212	4088093	35.94	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.30	264	3814753	30.85	ng/ul	0.01

Target Compounds

					Ovalue
6) Phenol	6.85	94	175726	3.298	ng/ul 99
28) Naphthalene	10.47	128	728164	5.200	ng/ul 98
34) 2-Methylnaphthalene	12.09	142	142549	1.333	ng/ul 99
45) Dimethylphthalate	13.75	163	1074026	8.217	ng/ul 99
48) Acenaphthylene	14.00	152	1318231	8.528	ng/ul 100
50) Acenaphthene	14.35	153	123315	1.134	ng/ul 99
54) Dibenzofuran	14.69	168	220917	1.419	ng/ul 98
59) Fluorene	15.34	166	312030	2.457	ng/ul 99
70) Phenanthrene	17.07	178	1891495	10.942	ng/ul 100
72) Anthracene	17.17	178	4445480	25.382	ng/ul 99
75) Carbazole	17.43	167	421661	2.856	ng/ul 99
77) Fluoranthene	19.10	202	5557226	30.821	ng/ul 99
80) Pyrene	19.46	202	7987468	54.687	ng/ul 97
83) Benzo(a)anthracene	21.22	228	7968959	57.608	ng/ul 93
85) Chrysene	21.27	228	13506630m	105.820	ng/ul
88) Benzo(b)fluoranthene	22.78	252	23876733m	153.133	ng/ul
89) Benzo(k)fluoranthene	22.82	252	6809827m	46.512	ng/ul
91) Benzo(a)pyrene	23.35	252	14682399	104.013	ng/ul 98
92) Indeno(1,2,3-cd)pyrene	25.65	276	11559388	75.629	ng/ul 97
93) Dibenzo(a,h)anthracene	25.65	278	3106370	24.103	ng/ul# 86
94) Benzo(a,h,i)perylene	26.33	276	8525735	68.561	ng/ul 98

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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETOM1

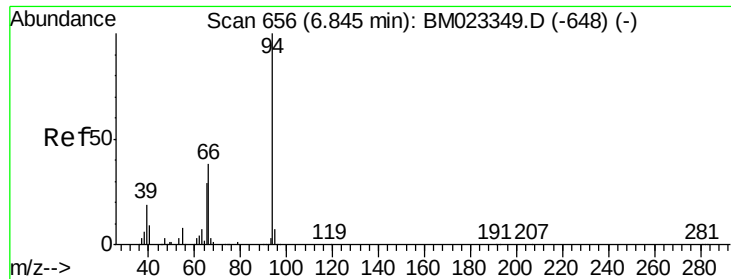
Manual Integrations
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Quant Time: Oct 24 03:56:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 23 18:47:16 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#6

Phenol

Concen: 3.298 ng/ul

RT: 6.85 min Scan# 656

Delta R.T. -0.00 min

Lab File: BM023351.D

Acq: 23 Oct 2019 20:47

Instrument :

BNA_M

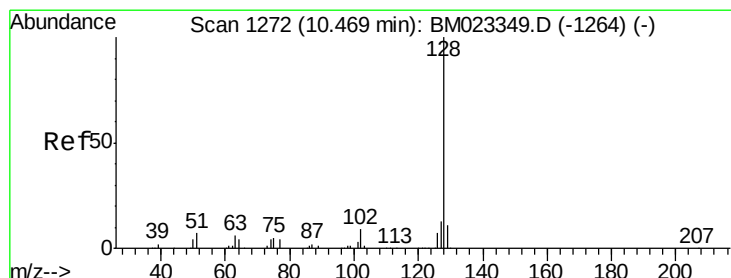
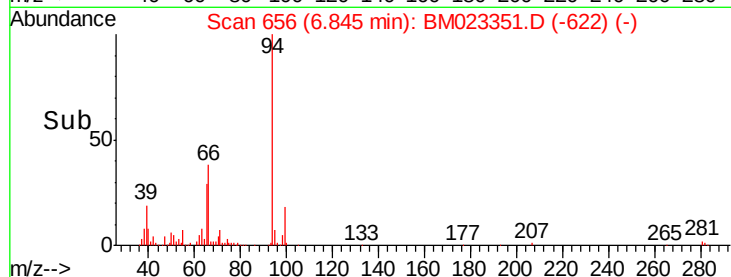
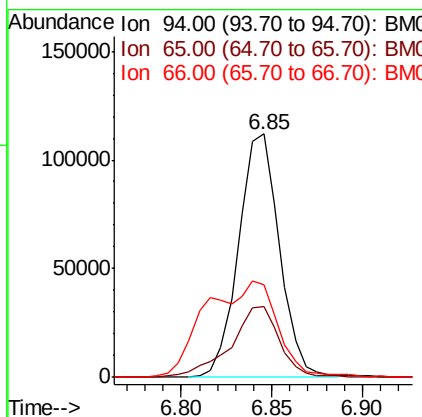
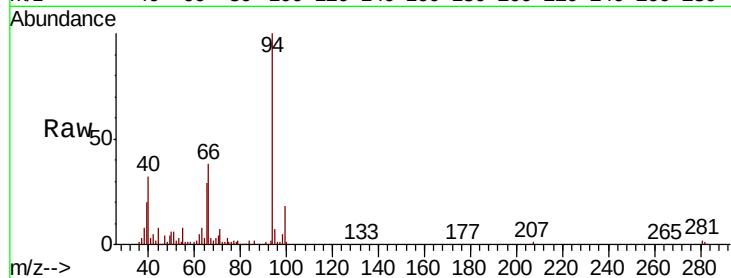
ClientSampled :

ETOM1

Tot Ion:	94	Resp:	175726
Ion Ratio	Lower	Upper	
94	100		
65	28.9	22.9	34.3
66	38.1	31.4	47.2

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#28

Naphthalene

Concen: 5.200 ng/ul

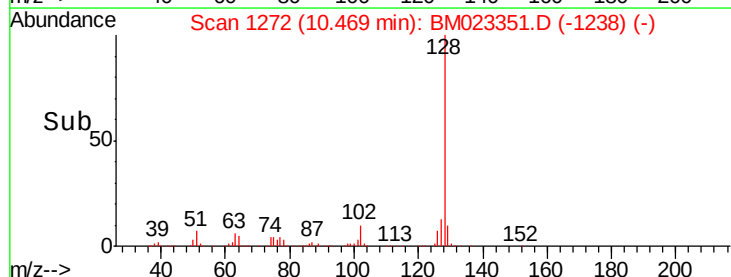
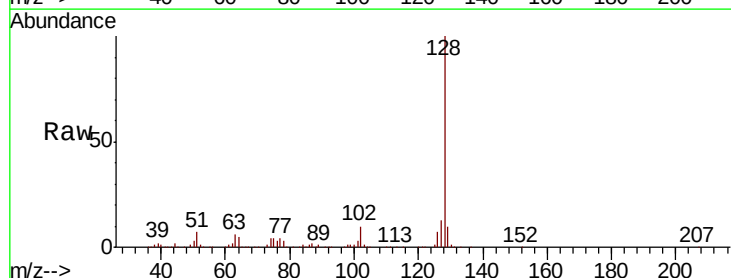
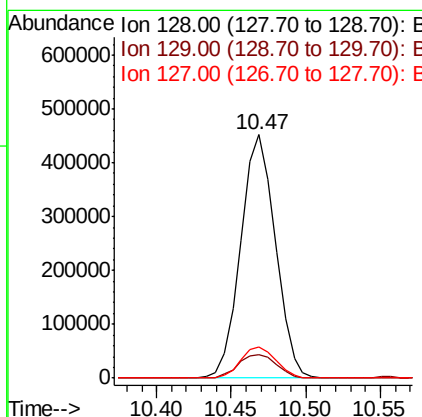
RT: 10.47 min Scan# 1272

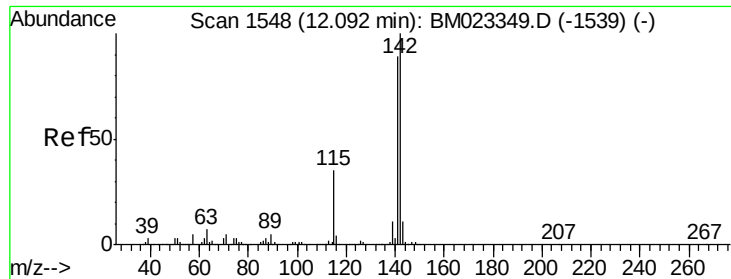
Delta R.T. -0.00 min

Lab File: BM023351.D

Acq: 23 Oct 2019 20:47

Tgt Ion:	128	Resp:	728164
Ion Ratio	Lower	Upper	
128	100		
129	9.9	8.8	13.2
127	12.7	10.4	15.6





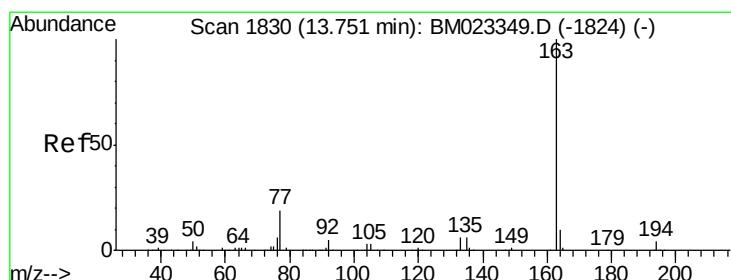
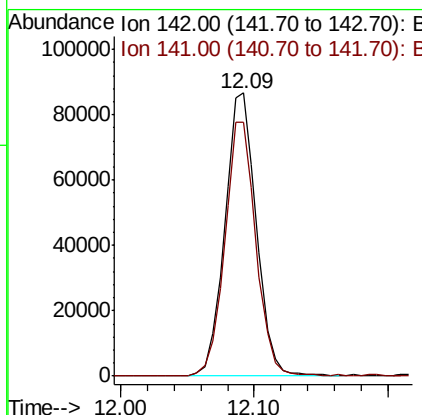
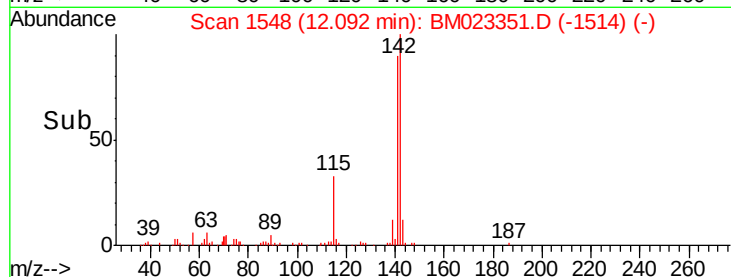
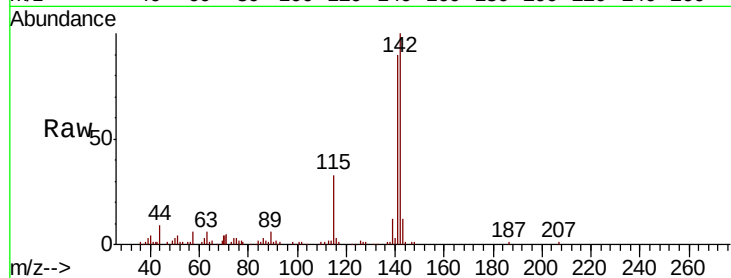
#34
2-Methylnaphthalene
Concen: 1.333 ng/ul
RT: 12.09 min Scan# 1548
Delta R.T. -0.00 min
Lab File: BM023351.D
Acq: 23 Oct 2019 20:47

Instrument :
BNA_M
ClientSampled :
ETOM1

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.7	72.4	108.6

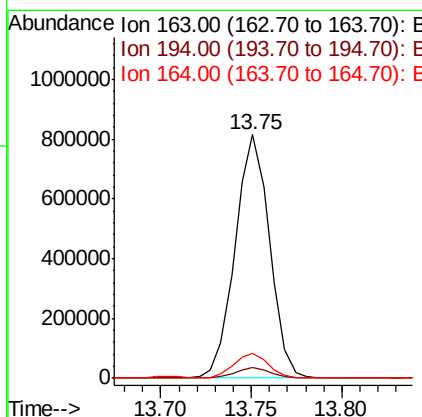
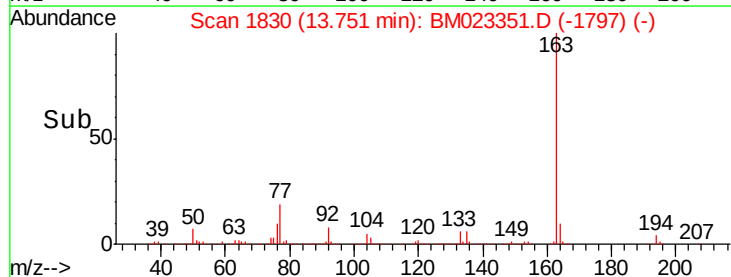
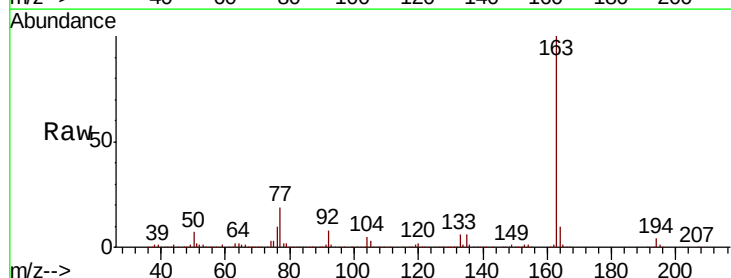
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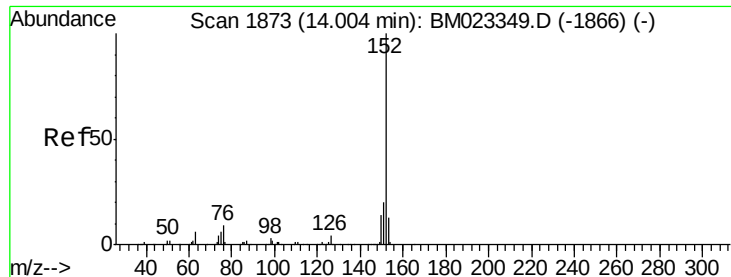
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#45
Dimethylphthalate
Concen: 8.217 ng/ul
RT: 13.75 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BM023351.D
Acq: 23 Oct 2019 20:47

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.3	4.9
164	10.2	7.9	11.9





#48

Acenaphthylene

Concen: 8.528 ng/ul

RT: 14.00 min Scan# 1873

Delta R.T. -0.00 min

Lab File: BM023351.D

Acq: 23 Oct 2019 20:47

Instrument :

BNA_M

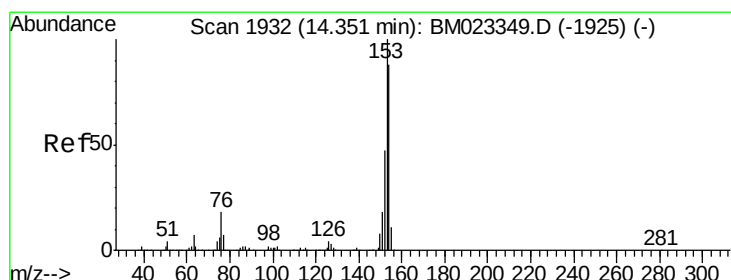
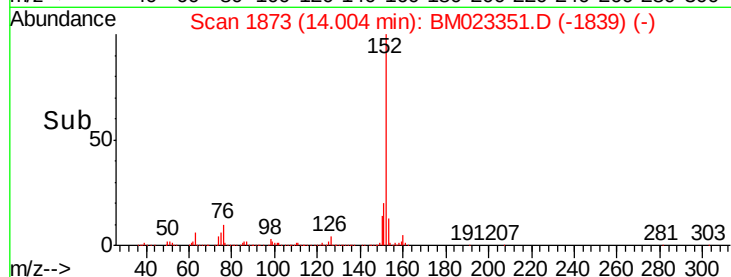
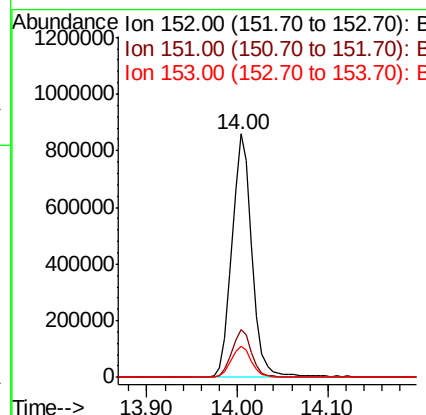
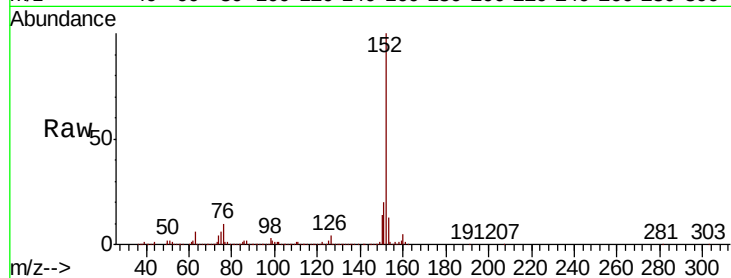
ClientSampled :

ETOM1

Tot Ion:	152	Resp:	1318231
Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.2	24.2
153	13.0	10.4	15.6

Manual Integrations
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#50

Acenaphthene

Concen: 1.134 ng/ul

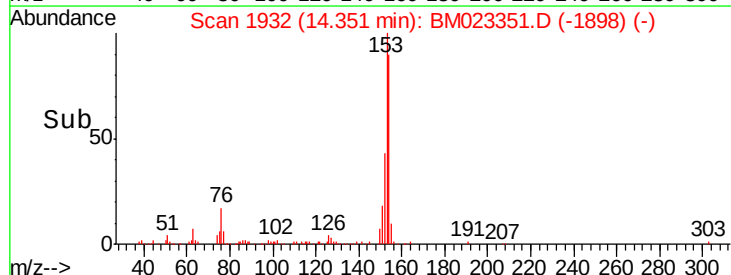
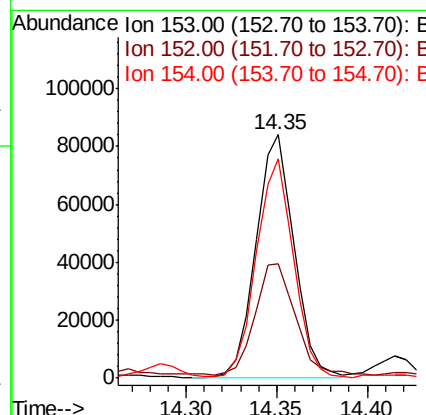
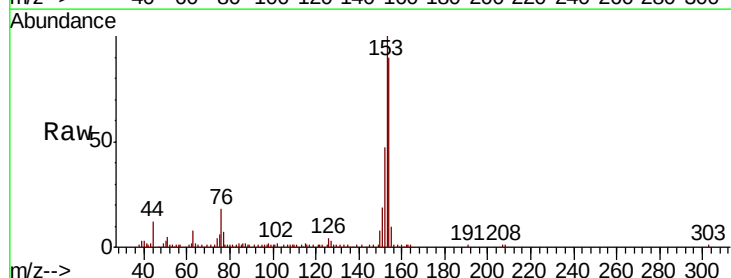
RT: 14.35 min Scan# 1932

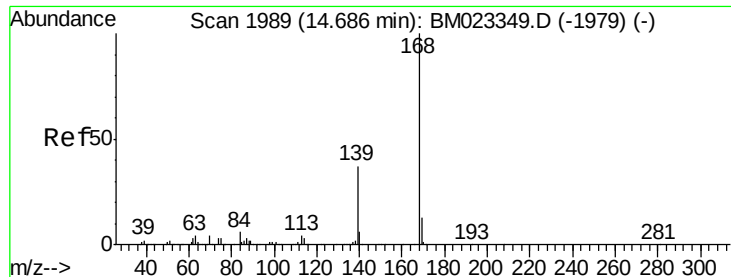
Delta R.T. -0.00 min

Lab File: BM023351.D

Acq: 23 Oct 2019 20:47

Tgt Ion:	153	Resp:	123315
Ion	Ratio	Lower	Upper
153	100		
152	46.8	37.9	56.9
154	89.8	70.6	106.0





#54

Dibenzofuran

Concen: 1.419 ng/ul

RT: 14.69 min Scan# 1989

Delta R.T. -0.01 min

Lab File: BM023351.D

Acq: 23 Oct 2019 20:47

Instrument :

BNA_M

ClientSampleId :

ETOM1

Tot Ion:168 Resp: 220917

Ion Ratio Lower Upper

168 100

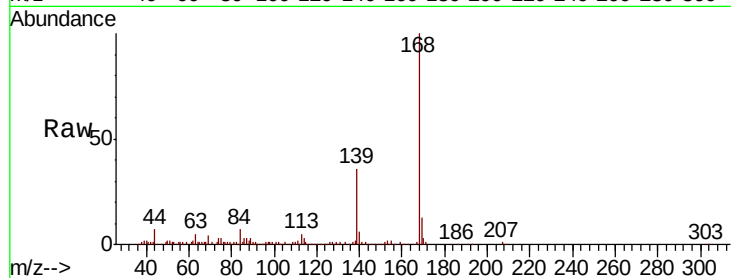
139 36.1 29.7 44.5

Manual Integrations

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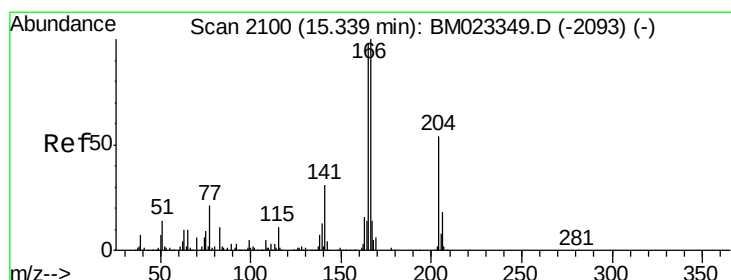
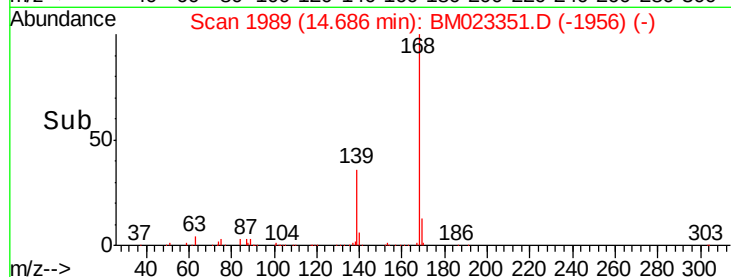
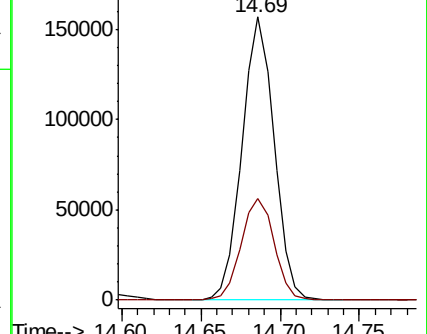
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 2.457 ng/ul

RT: 15.34 min Scan# 2100

Delta R.T. -0.00 min

Lab File: BM023351.D

Acq: 23 Oct 2019 20:47

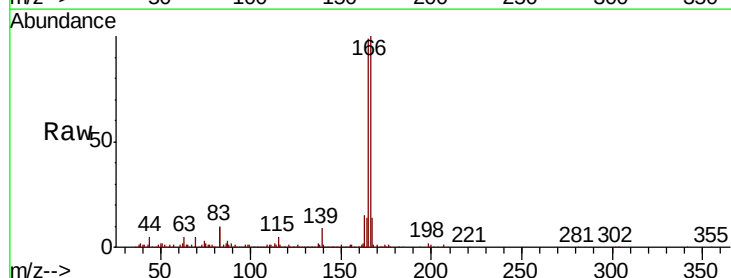
Tgt Ion:166 Resp: 312030

Ion Ratio Lower Upper

166 100

165 98.5 77.8 116.6

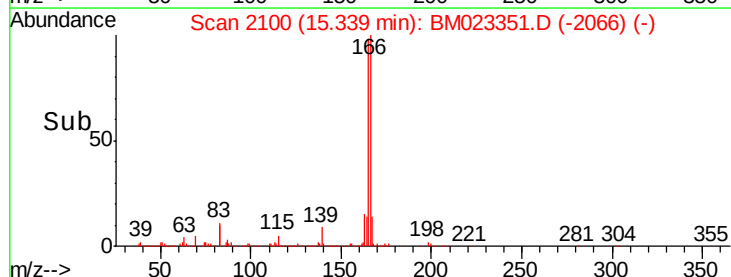
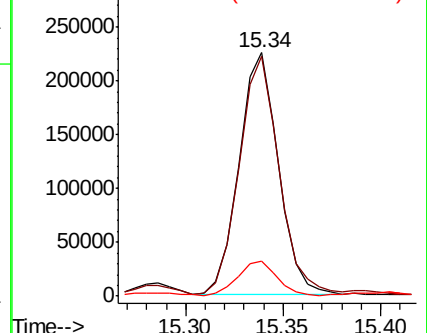
167 14.3 10.8 16.2

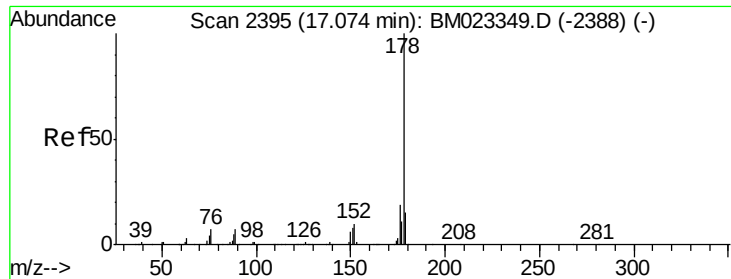


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





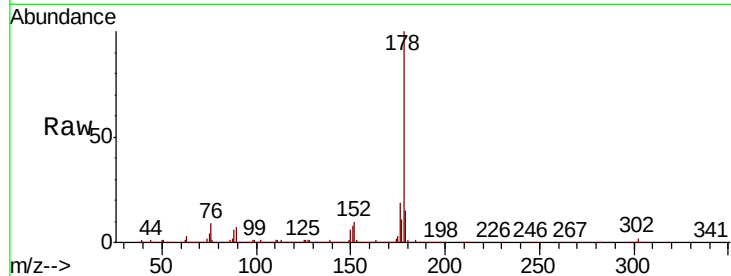
#70
Phenanthrene
Concen: 10.942 ng/ul
RT: 17.07 min Scan# 2395
Delta R.T. -0.00 min
Lab File: BM023351.D
Acq: 23 Oct 2019 20:47

Instrument :
BNA_M
ClientSampleId :
ETOM1

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.2	18.2
176	18.7	14.9	22.3

Manual Integrations
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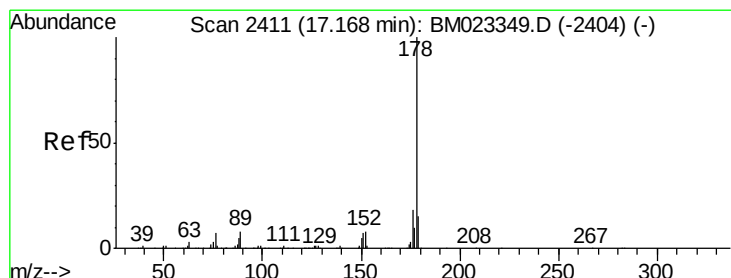
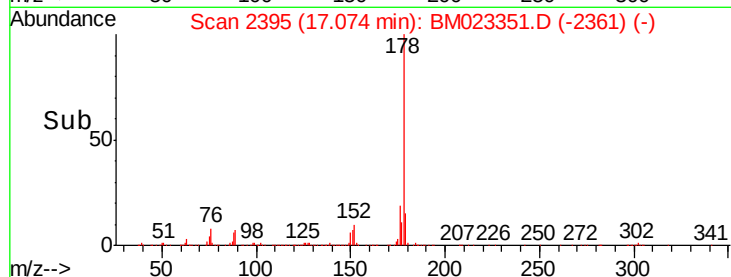
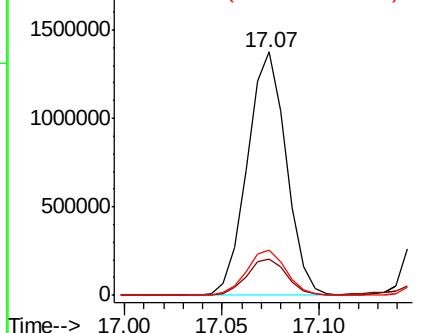


Abundance

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



#72
Anthracene
Concen: 25.382 ng/ul
RT: 17.17 min Scan# 2411
Delta R.T. -0.00 min
Lab File: BM023351.D
Acq: 23 Oct 2019 20:47

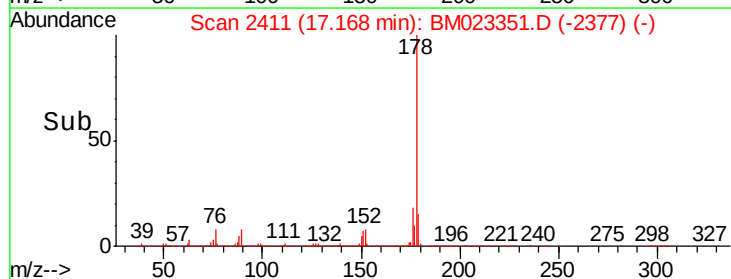
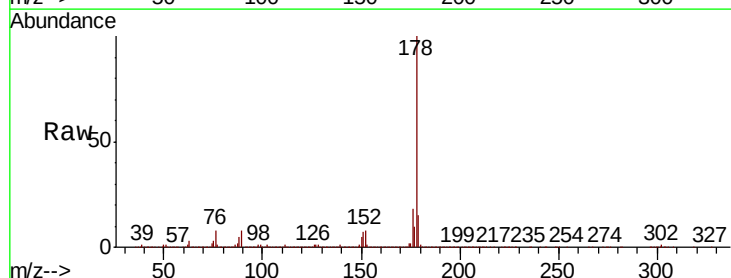
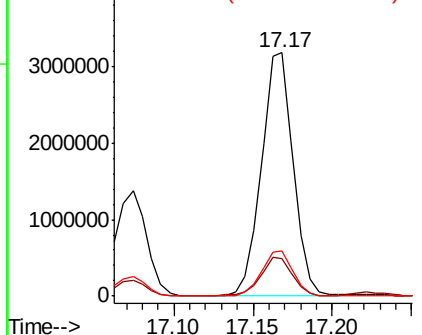
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.1	18.1
176	18.4	14.4	21.6

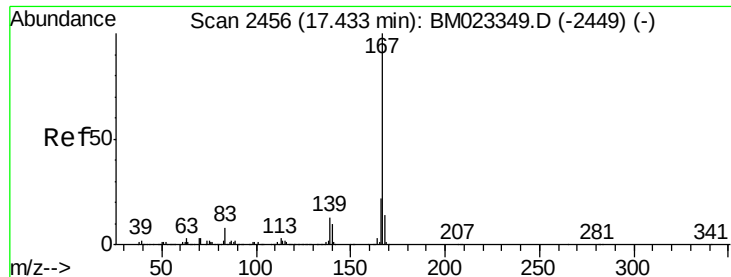
Abundance

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





#75

Carbazole

Concen: 2.856 ng/ul

RT: 17.43 min Scan# 2456

Delta R.T. -0.00 min

Lab File: BM023351.D

Acq: 23 Oct 2019 20:47

Instrument :

BNA_M

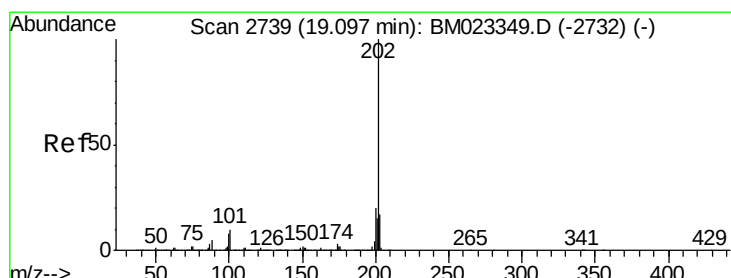
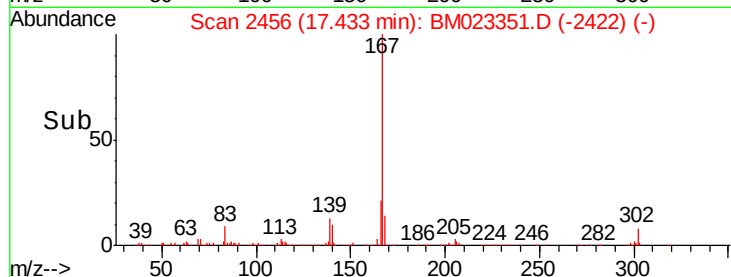
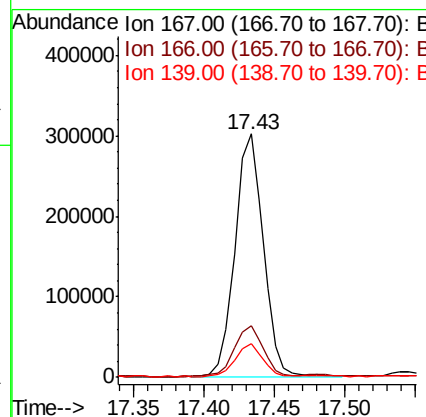
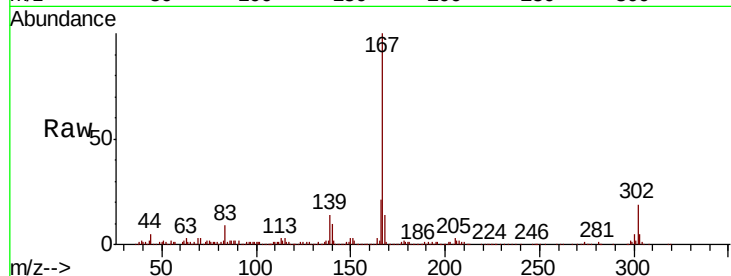
ClientSampleId :

ETOM1

Tot Ion:	167	Resp:	421661
Ion Ratio	Lower	Upper	
167	100		
166	21.3	17.1	25.7
139	13.8	10.0	15.0

Manual Integrations
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#77

Fluoranthene

Concen: 30.821 ng/ul

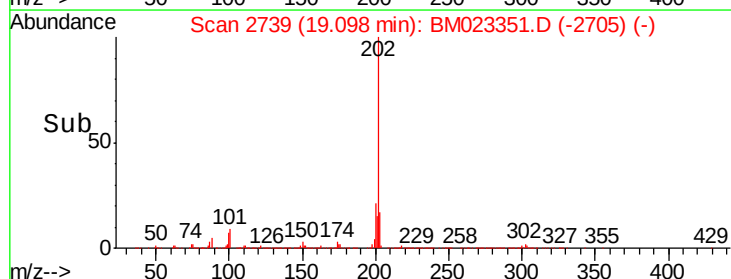
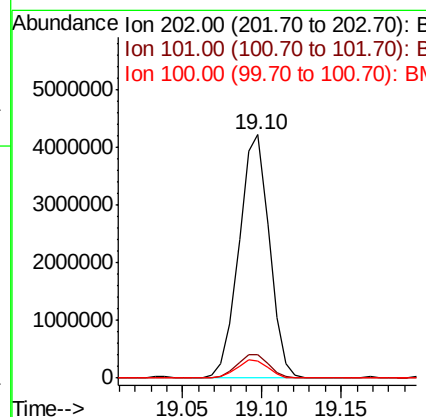
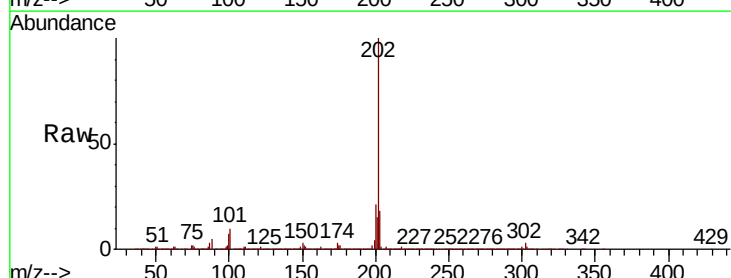
RT: 19.10 min Scan# 2739

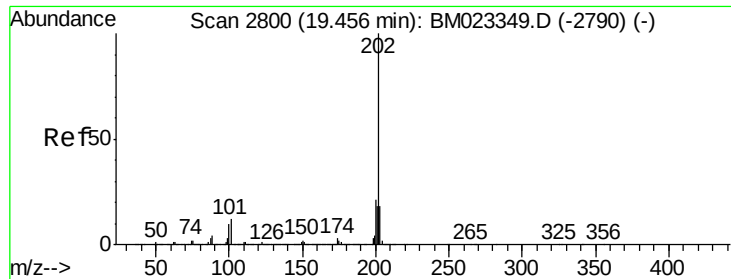
Delta R.T. -0.00 min

Lab File: BM023351.D

Acq: 23 Oct 2019 20:47

Tgt Ion:	202	Resp:	5557226
Ion Ratio	Lower	Upper	
202	100		
101	9.6	8.1	12.1
100	7.2	6.2	9.2





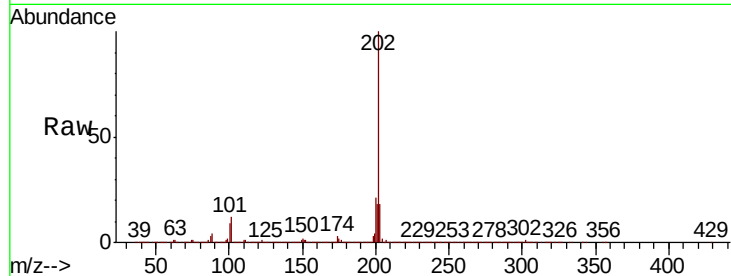
#80
Pvrene
Concen: 54.687 ng/ul
RT: 19.46 min Scan# 2801
Delta R.T. 0.01 min
Lab File: BM023351.D
Acq: 23 Oct 2019 20:47

Instrument :
BNA_M
ClientSampleId :
ETOM1

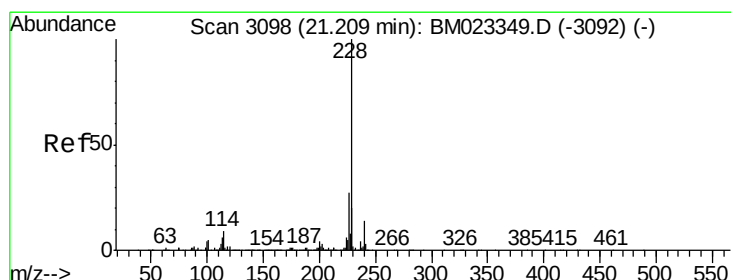
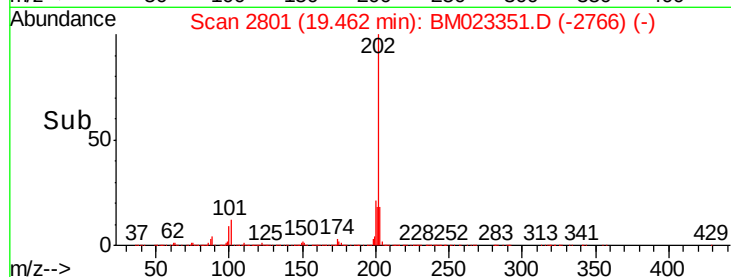
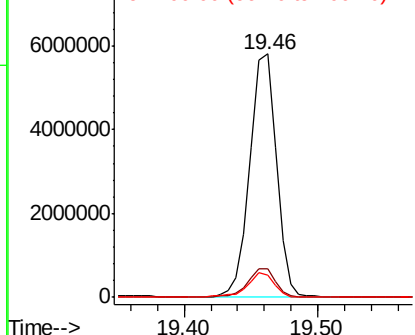
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.5	10.0	15.0
100	9.3	8.3	12.5

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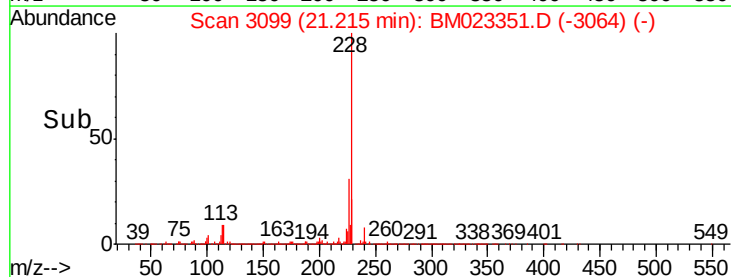
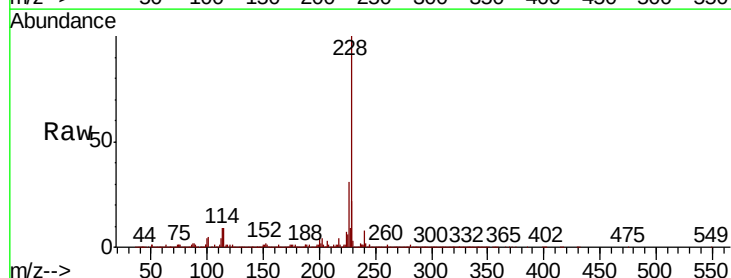
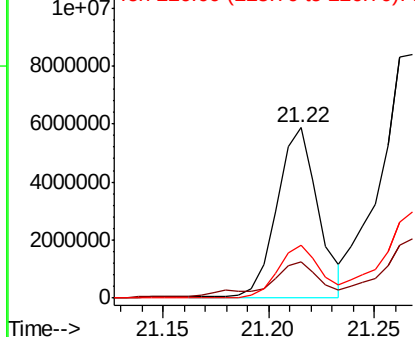
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

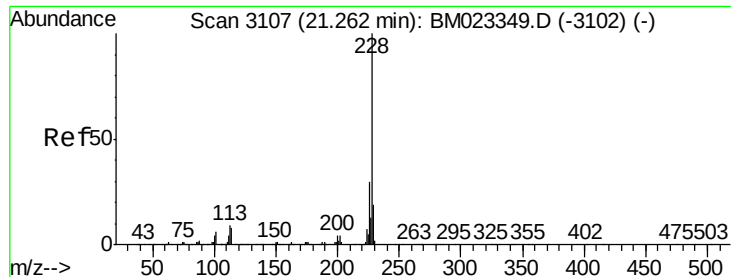


#83
Benzo(a)anthracene
Concen: 57.608 ng/ul
RT: 21.22 min Scan# 3099
Delta R.T. 0.01 min
Lab File: BM023351.D
Acq: 23 Oct 2019 20:47

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.6	15.8	23.8
226	31.4	21.6	32.4

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: 105.820 ng/ul m

RT: 21.27 min Scan# 3108

Delta R.T. 0.01 min

Lab File: BM023351.D

Acq: 23 Oct 2019 20:47

Instrument :

BNA_M

ClientSampleId :

ETOM1

Tot Ion:228 Resp:13506630

Ion Ratio Lower Upper

228 100

226 35.2 24.0 36.0

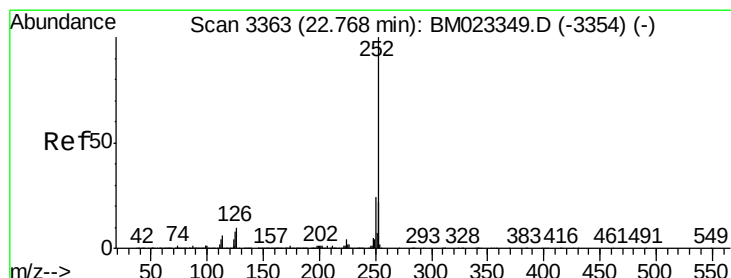
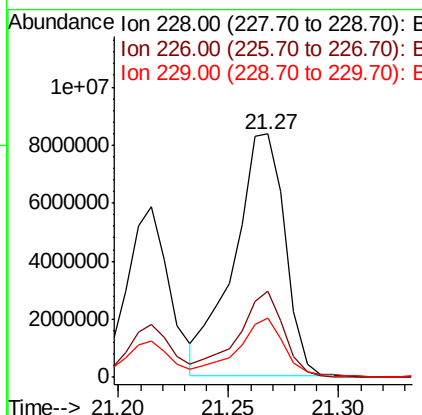
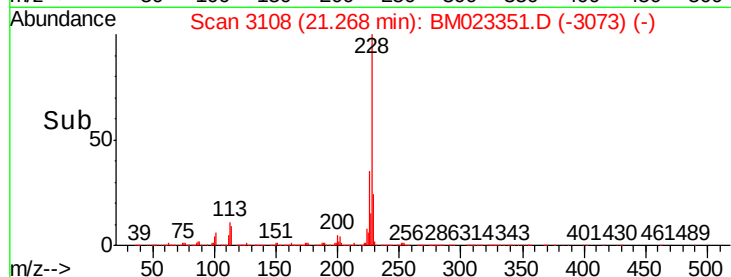
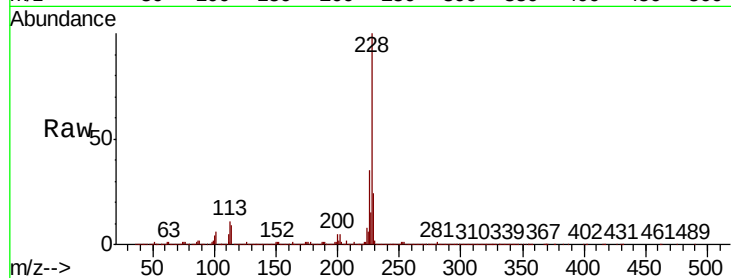
229 24.4 16.0 24.0#

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#88

Benzo(b)fluoranthene

Concen: 153.133 ng/ul m

RT: 22.78 min Scan# 3365

Delta R.T. 0.01 min

Lab File: BM023351.D

Acq: 23 Oct 2019 20:47

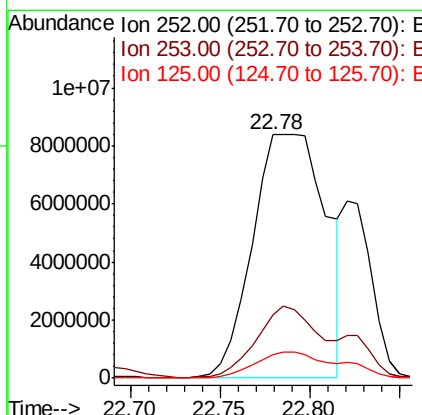
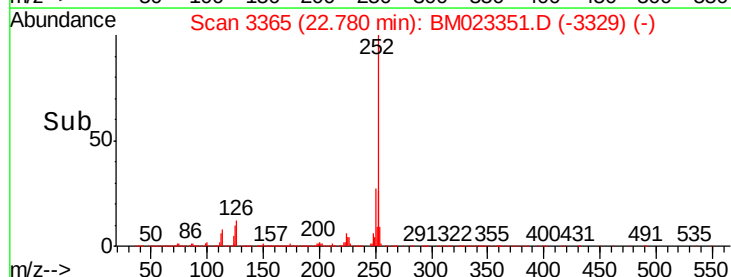
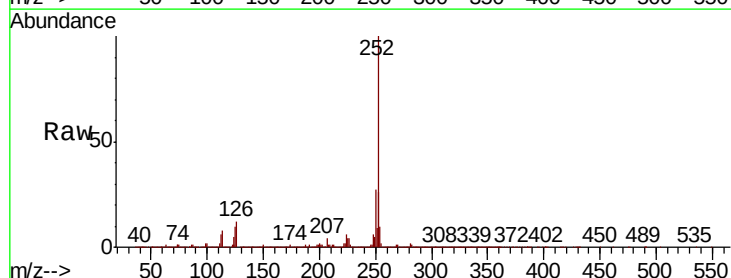
Tgt Ion:252 Resp:23876733

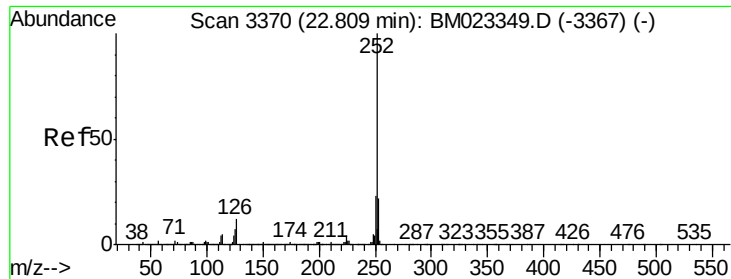
Ion Ratio Lower Upper

252 100

253 25.9 17.5 26.3

125 9.8 7.1 10.7





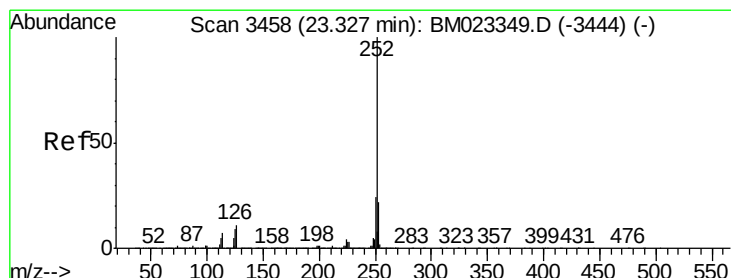
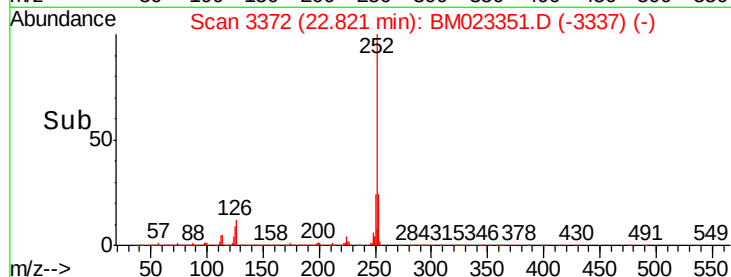
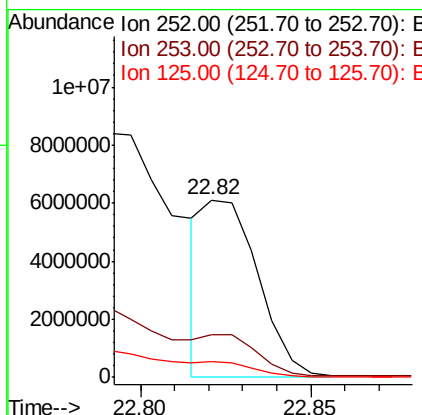
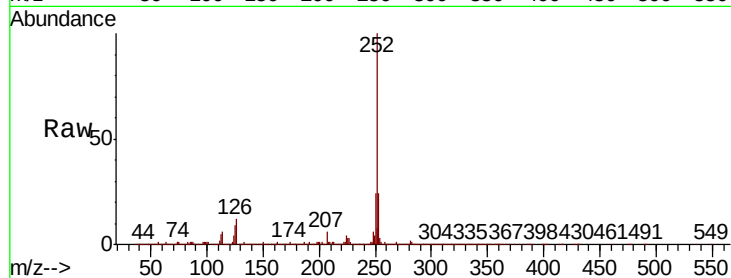
#89
Benzo(k)fluoranthene
Concen: 46.512 ng/ul m
RT: 22.82 min Scan# 3372
Delta R.T. 0.01 min
Lab File: BM023351.D
Acq: 23 Oct 2019 20:47

Instrument :
BNA_M
ClientSampled :
ETOM1

Tot Ion:252 Resp: 6809827
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.6
125 8.7 6.8 10.2

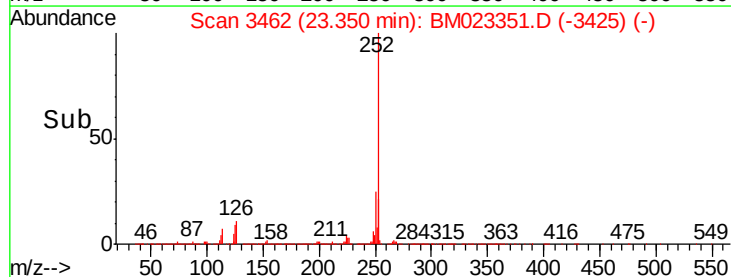
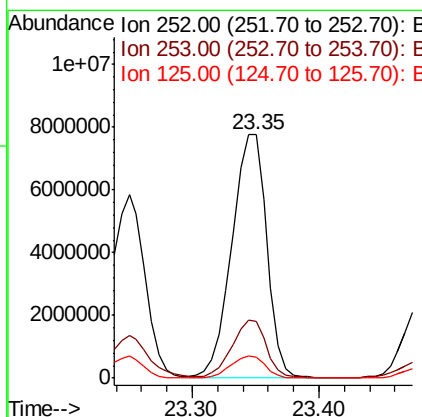
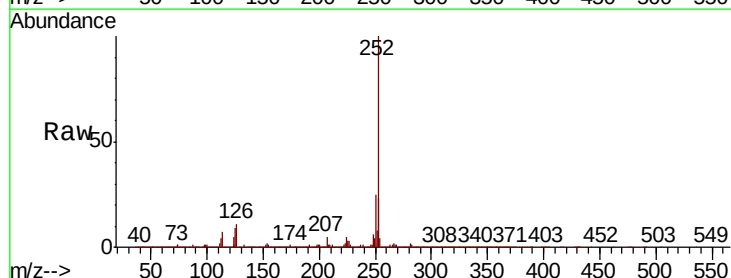
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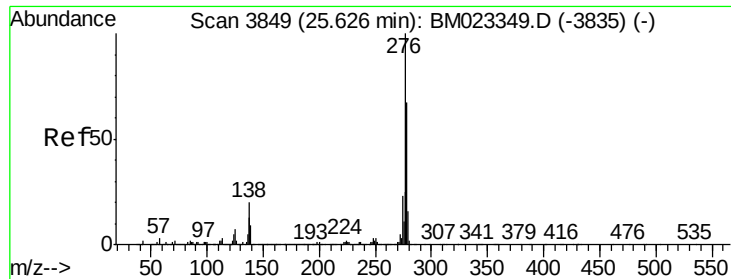
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#91
Benzo(a)pyrene
Concen: 104.013 ng/ul
RT: 23.35 min Scan# 3462
Delta R.T. 0.02 min
Lab File: BM023351.D
Acq: 23 Oct 2019 20:47

Tgt Ion:252 Resp:14682399
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 8.7 7.5 11.3





#92

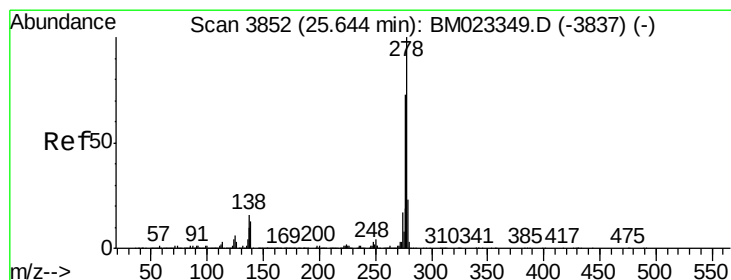
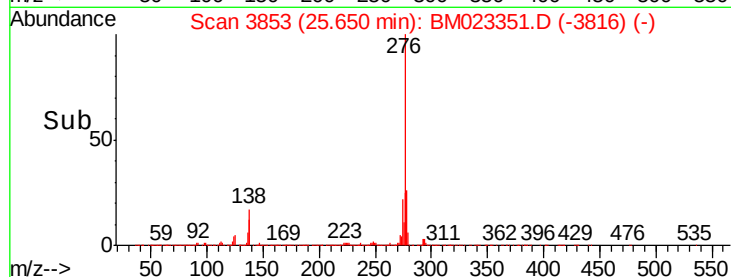
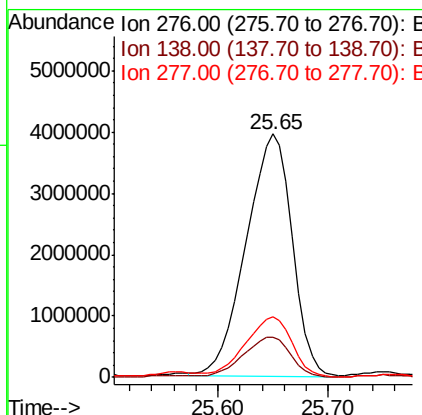
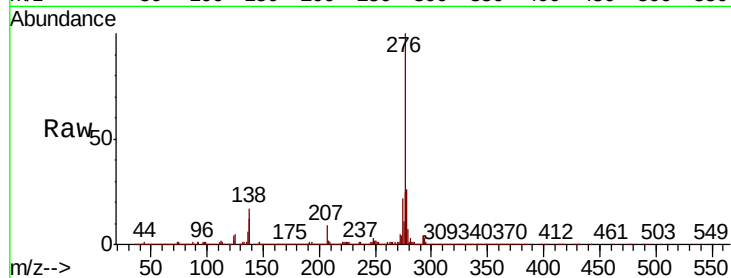
Indeno(1,2,3-cd)pyrene
Concen: 75.629 ng/ul
RT: 25.65 min Scan# 3853
Delta R.T. 0.02 min
Lab File: BM023351.D
Acq: 23 Oct 2019 20:47

Instrument :
BNA_M
ClientSampled :
ETOM1

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.6	15.7	23.5
277	24.8	20.2	30.2

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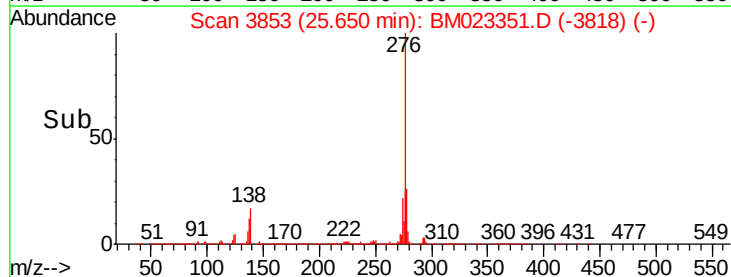
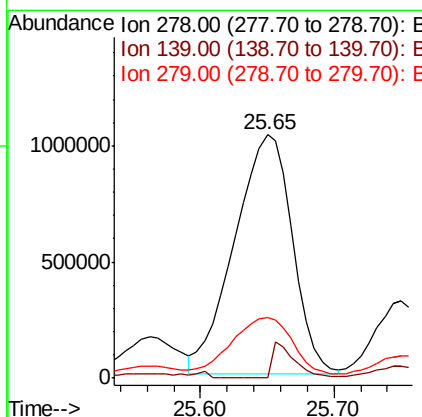
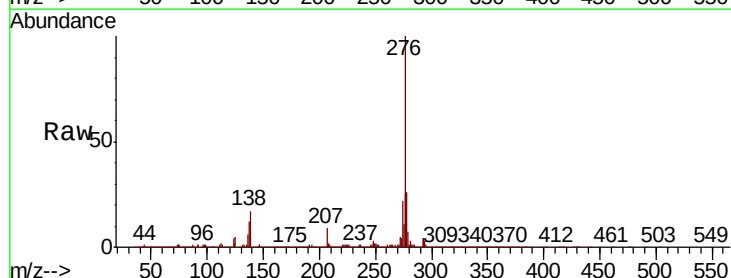
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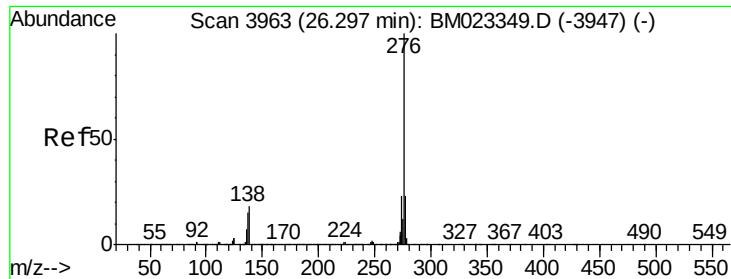


#93

Dibenzo(a,h)anthracene
Concen: 24.103 ng/ul
RT: 25.65 min Scan# 3853
Delta R.T. 0.01 min
Lab File: BM023351.D
Acq: 23 Oct 2019 20:47

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	10.9	16.3#
279	25.0	18.7	28.1





#94

Benzo(a,h,i)perylene

Concen: 68.561 ng/ul

RT: 26.33 min Scan# 3968

Delta R.T. 0.02 min

Lab File: BM023351.D

Acq: 23 Oct 2019 20:47

Instrument :

BNA_M

ClientSampleId :

ETOM1

Tot Ion: 276 Resp: 8525735

Ion Ratio Lower Upper

276 100

138 16.3 14.4 21.6

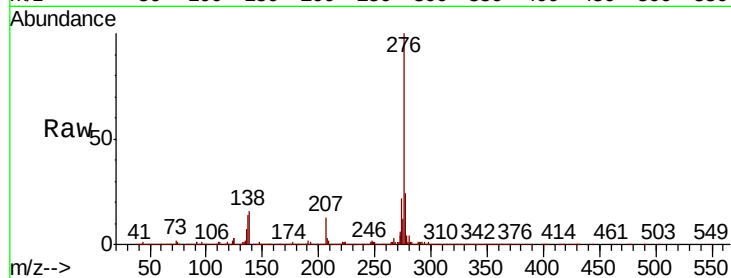
277 24.1 19.0 28.6

Manual Integrations

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

