

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\
 Data File : BM023244.D
 Acq On : 18 Oct 2019 06:28
 Operator : JU
 Sample : K5235-15
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEPB5

Manual Integrations
 APPROVED

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Quant Time: Oct 18 08:35:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 18 07:48:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	387177	20.00	ng/ul	0.00
18) Naphthalene-d8	10.44	136	1478508	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.30	164	903192	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.05	188	1838925	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	1881450	20.00	ng/ul	0.00
86) Perylene-d12	23.46	264	2330617	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	35682	4.06	ng/uL	0.00
5) Phenol-d5	6.83	99	700282	20.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	403716	21.16	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	592101	22.94	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	526893	19.45	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	278485	27.84	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	315203	33.09	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	610497	25.20	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	475755	16.15	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	1798128	25.98	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	2130603	26.25	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	215398	19.22	ng/ul	0.00
58) Fluorene-d10	15.30	176	1539379	26.11	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	162370	22.27	ng/ul	0.00
71) Anthracene-d10	17.15	188	2369250	26.72	ng/ul	0.00
79) Pyrene-d10	19.45	212	2588018	28.40	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.32	264	3218503	27.24	ng/ul	0.01

Target Compounds

					Ovalue	
6) Phenol	6.86	94	108090	3.108	ng/ul	98
45) Dimethylphthalate	13.77	163	592836	8.557	ng/ul	98
48) Acenaphthylene	14.03	152	115553	1.392	ng/ul	95
59) Fluorene	15.36	166	72888	1.083	ng/ul#	95
70) Phenanthrene	17.09	178	1303419	12.630	ng/ul	99
72) Anthracene	17.19	178	346653	3.251	ng/ul	100
75) Carbazole	17.45	167	110452	1.159	ng/ul	94
76) Di-n-butylphthalate	18.04	149	243356	2.147	ng/ul	98
77) Fluoranthene	19.12	202	3111114	25.348	ng/ul	99
80) Pyrene	19.48	202	3653881	31.001	ng/ul	98
83) Benzo(a)anthracene	21.23	228	2169499	17.018	ng/ul	95
84) Bis(2-ethylhexyl)phthalate	21.19	149	5326475	81.714	ng/ul#	97
85) Chrysene	21.28	228	2401768	20.290	ng/ul	97
87) Di-n-octyl phthalate	22.06	149	305908	2.544	ng/ul	100
88) Benzo(b)fluoranthene	22.80	252	2978906	21.081	ng/ul	98
89) Benzo(k)fluoranthene	22.84	252	844346m	6.223	ng/ul	
91) Benzo(a)pyrene	23.37	252	2334212	17.218	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.68	276	1485905	9.213	ng/ul	97
93) Dibenzo(a,h)anthracene	25.69	278	438421	3.251	ng/ul#	91
94) Benzo(g,h,i)perylene	26.36	276	1506361	11.344	ng/ul	97

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

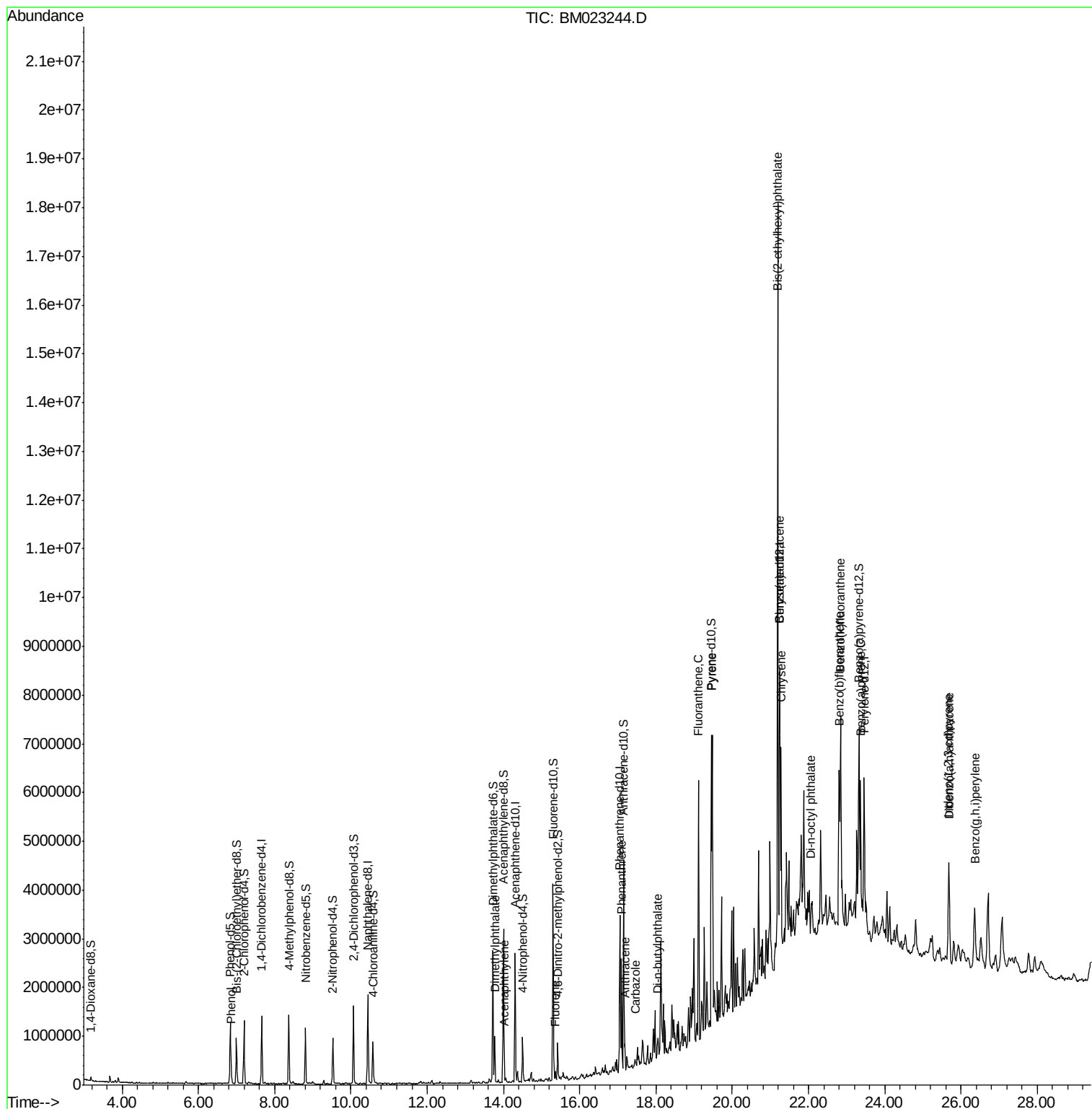
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\
Data File : BM023244.D
Acq On : 18 Oct 2019 06:28
Operator : JU
Sample : K5235-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

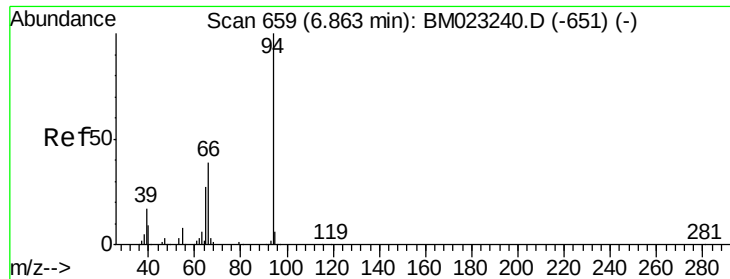
Instrument :
BNA_M
ClientSampleId :
BEPB5

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Quant Time: Oct 18 08:35:22 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 18 07:48:41 2019
Response via : Initial Calibration





#6

Phenol

Concen: 3.108 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. -0.00 min

Lab File: BM023244.D

Acq: 18 Oct 2019 06:28

Instrument :

BNA_M

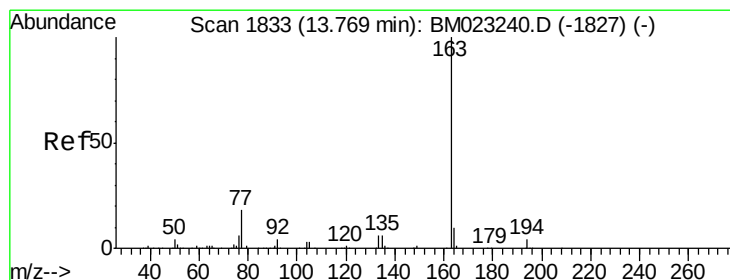
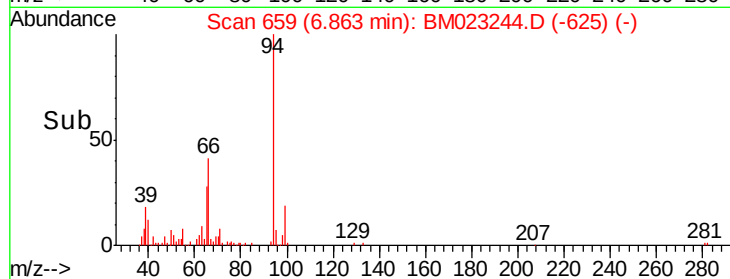
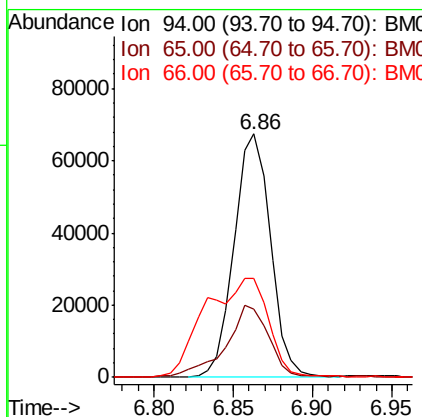
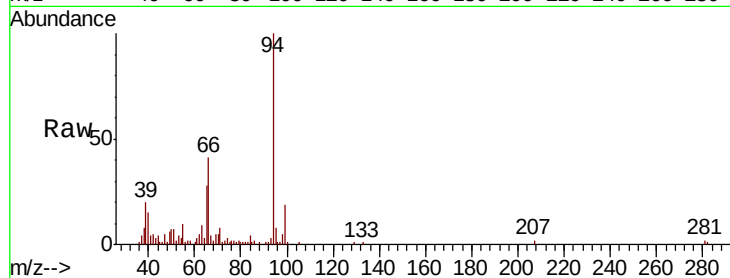
ClientSampleId :

BEPB5

Tot Ion:	94	Resp:	108090
Ion	Ratio	Lower	Upper
94	100		
65	28.3	23.7	35.5
66	40.5	32.9	49.3

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#45

Dimethylphthalate

Concen: 8.557 ng/ul

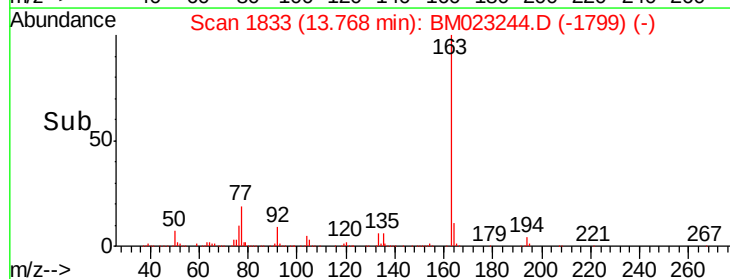
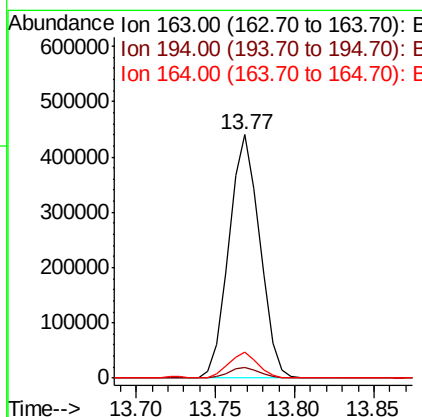
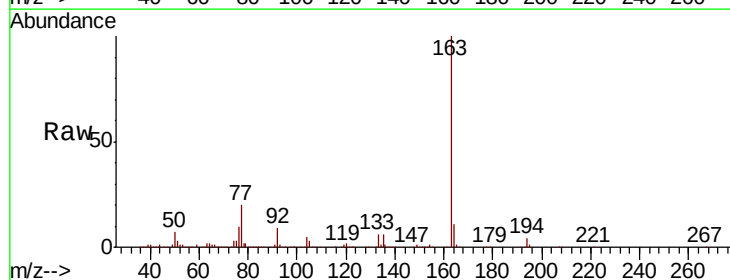
RT: 13.77 min Scan# 1833

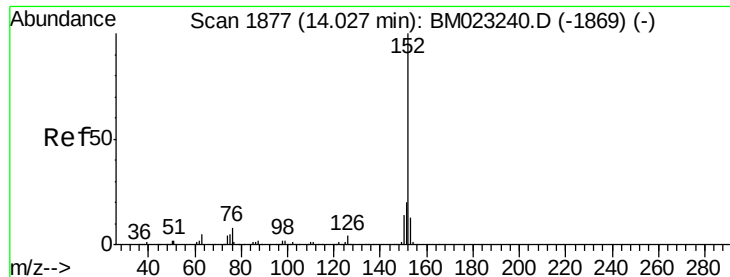
Delta R.T. -0.00 min

Lab File: BM023244.D

Acq: 18 Oct 2019 06:28

Tgt Ion:	163	Resp:	592836
Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	10.9	8.0	12.0





#48

Acenaphthylene

Concen: 1.392 ng/ul

RT: 14.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: BM023244.D

Acq: 18 Oct 2019 06:28

Instrument :

BNA_M

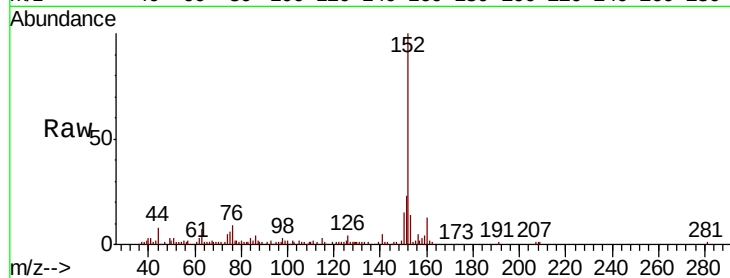
ClientSampleId :

BEPB5

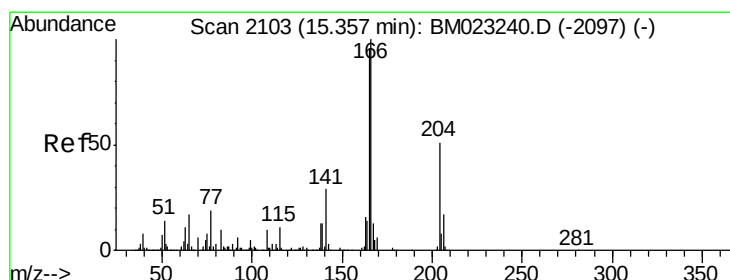
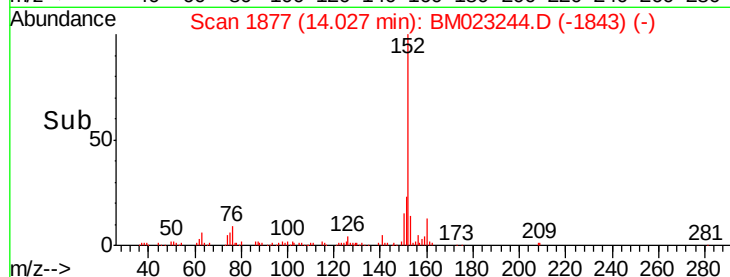
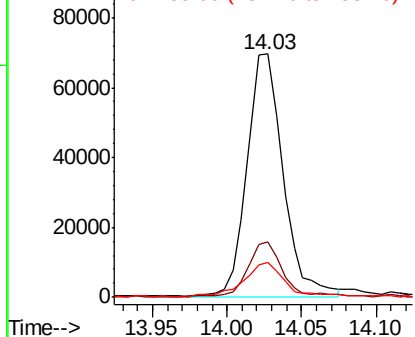
Tot Ion:	152	Resp:	115553
Ion Ratio	Lower	Upper	
152	100		
151	22.6	15.8	23.6
153	14.3	10.3	15.5

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#59

Fluorene

Concen: 1.083 ng/ul

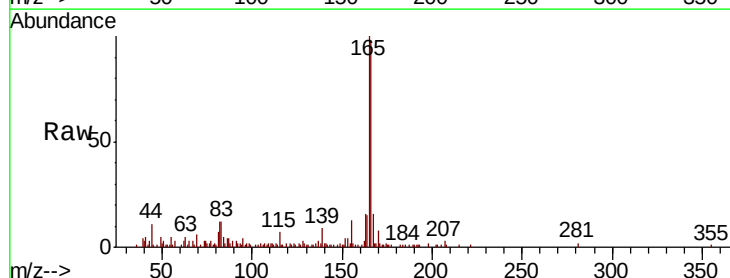
RT: 15.36 min Scan# 2103

Delta R.T. -0.00 min

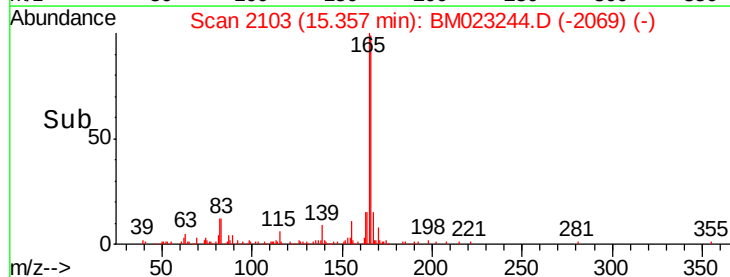
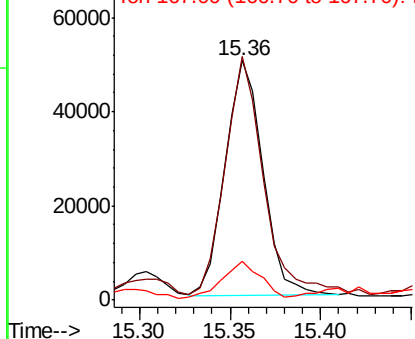
Lab File: BM023244.D

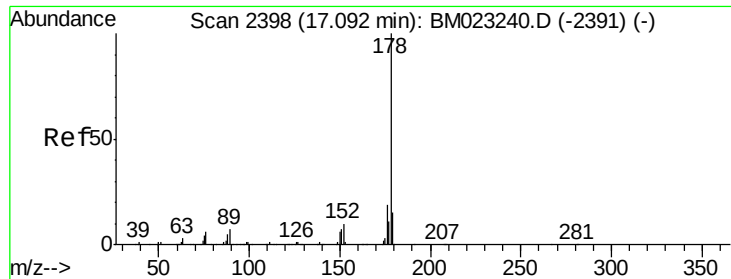
Acq: 18 Oct 2019 06:28

Tgt Ion:	166	Resp:	72888
Ion Ratio	Lower	Upper	
166	100		
165	101.8	77.4	116.0
167	16.5	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





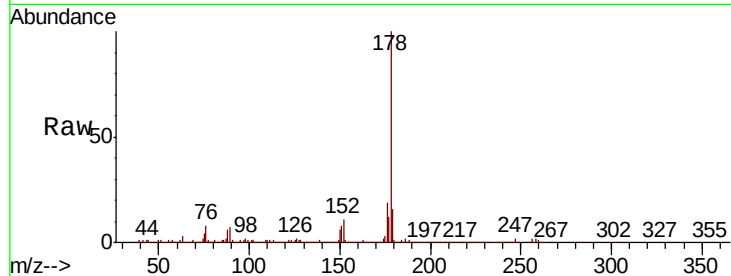
#70
Phenanthrene
Concen: 12.630 ng/ul
RT: 17.09 min Scan# 2398
Delta R.T. -0.00 min
Lab File: BM023244.D
Acq: 18 Oct 2019 06:28

Instrument :
BNA_M
ClientSampleId :
BEPB5

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5
176	18.8	15.5	23.3

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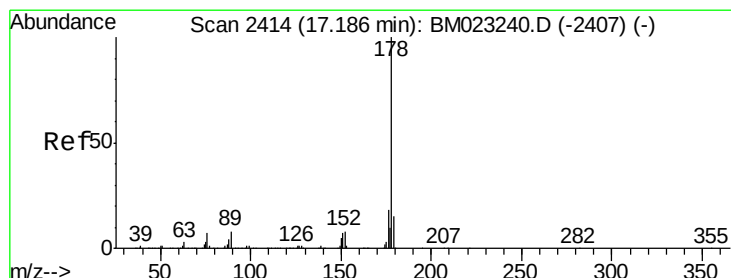
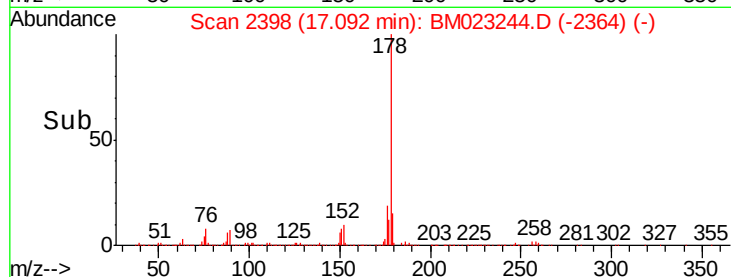
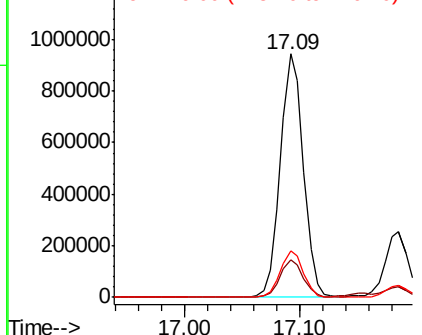


Abundance

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: 3.251 ng/ul
RT: 17.19 min Scan# 2414
Delta R.T. -0.00 min
Lab File: BM023244.D
Acq: 18 Oct 2019 06:28

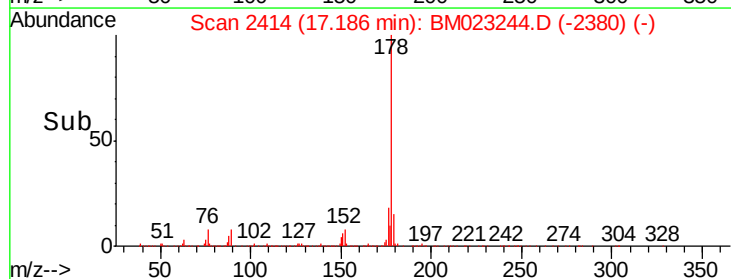
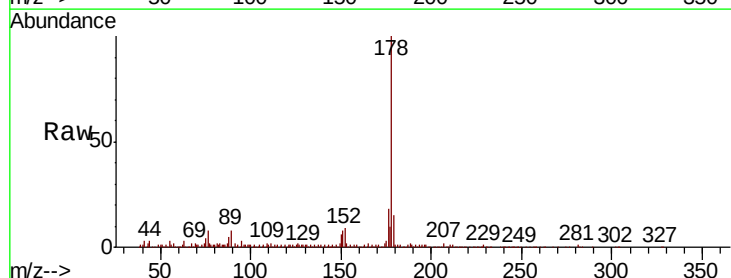
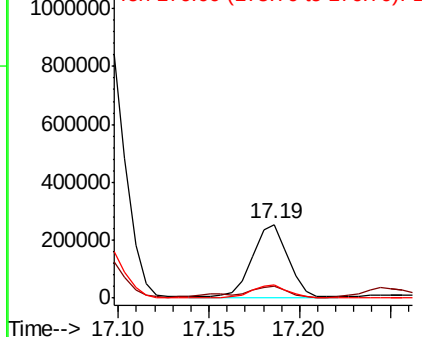
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	18.5	15.0	22.4

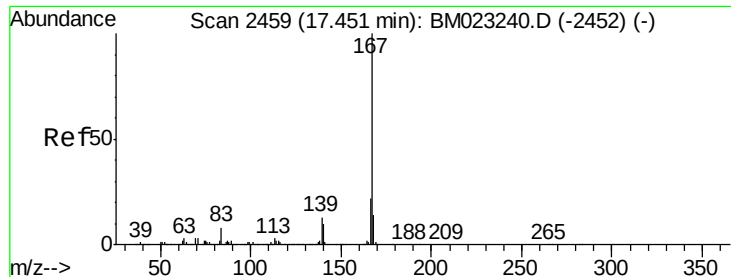
Abundance

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





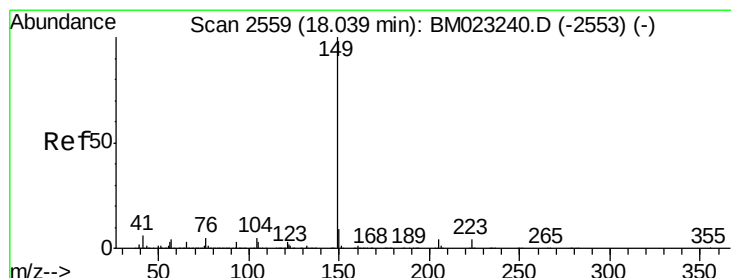
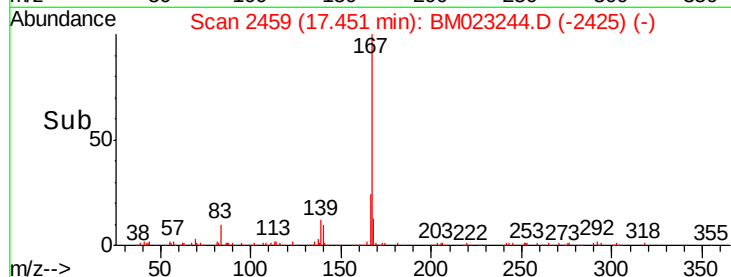
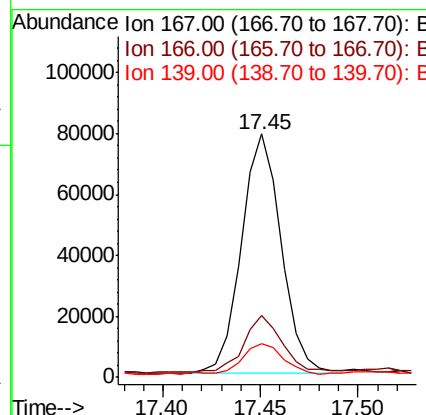
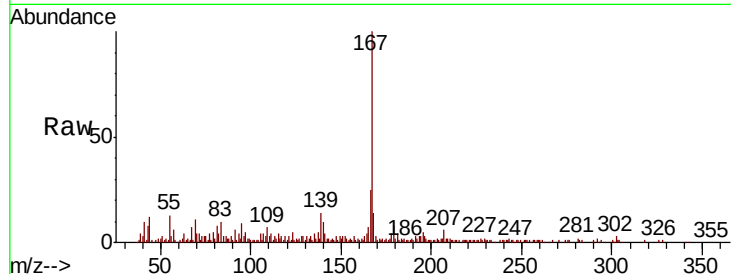
#75
 Carbazole
 Concen: 1.159 ng/ul
 RT: 17.45 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: BM023244.D
 Acq: 18 Oct 2019 06:28

Instrument :
 BNA_M
 ClientSampleID :
 BEPB5

Tot Ion	Ratio	Lower	Upper
167	100		
166	25.3	17.4	26.0
139	13.8	10.2	15.2

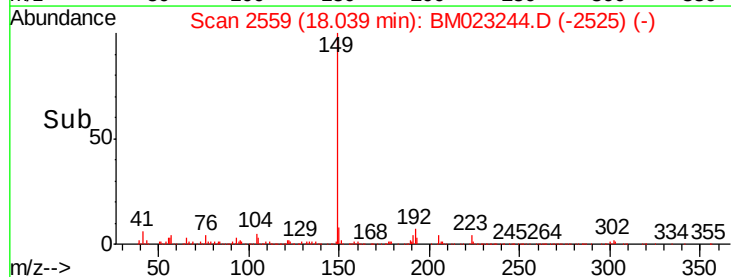
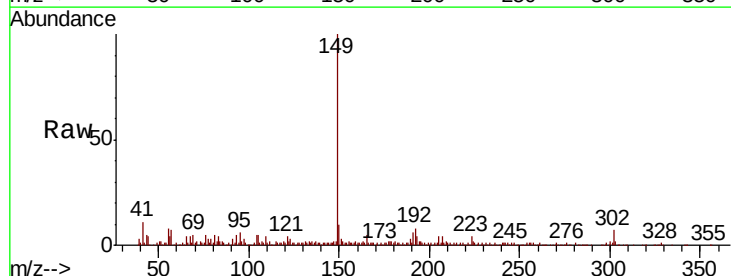
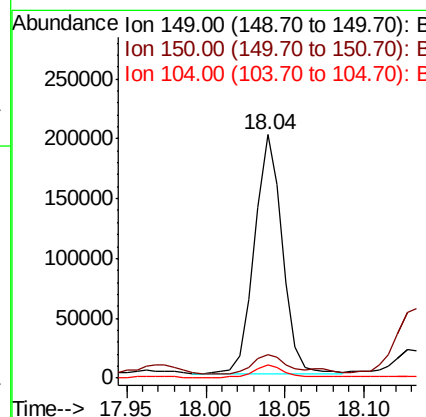
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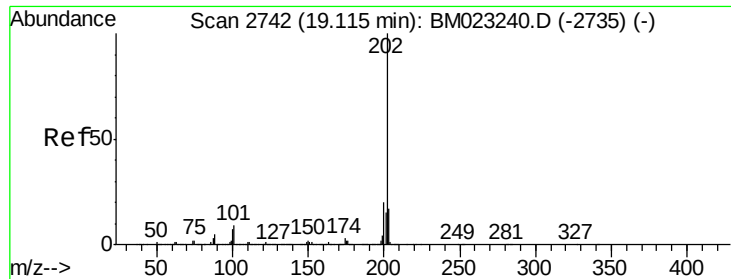
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#76
 Di-n-butylphthalate
 Concen: 2.147 ng/ul
 RT: 18.04 min Scan# 2559
 Delta R.T. -0.00 min
 Lab File: BM023244.D
 Acq: 18 Oct 2019 06:28

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.0	10.4
104	5.4	4.0	6.0





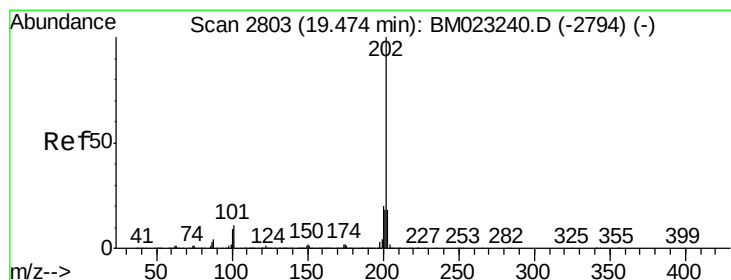
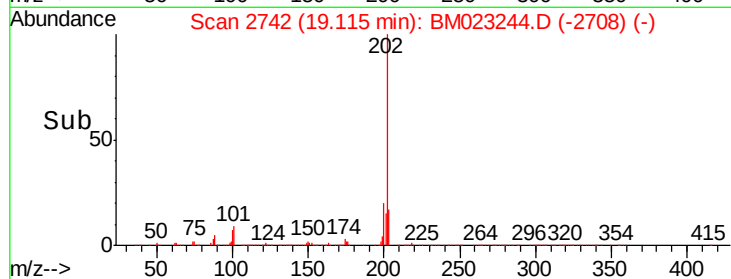
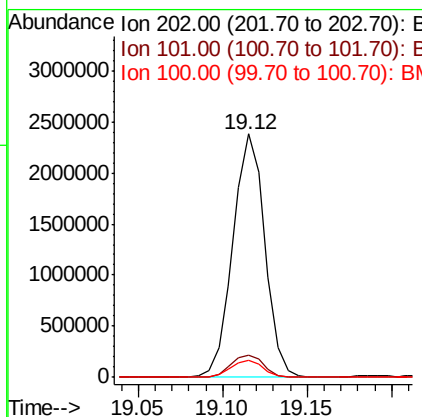
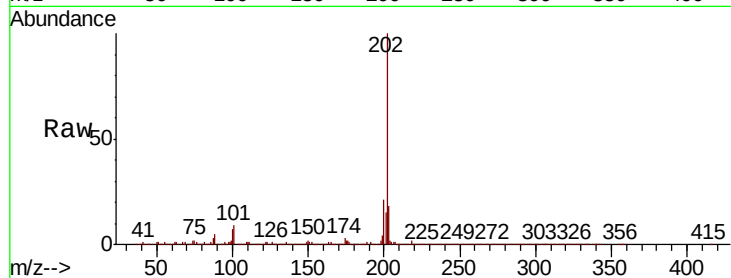
#77
 Fluoranthene
 Concen: 25.348 ng/ul
 RT: 19.12 min Scan# 2742
 Delta R.T. -0.00 min
 Lab File: BM023244.D
 Acq: 18 Oct 2019 06:28

Instrument :
 BNA_M
 ClientSampleId :
 BEPB5

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.4	7.8	11.8
100	7.3	6.1	9.1

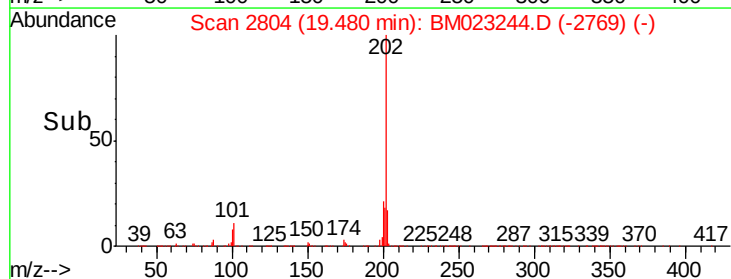
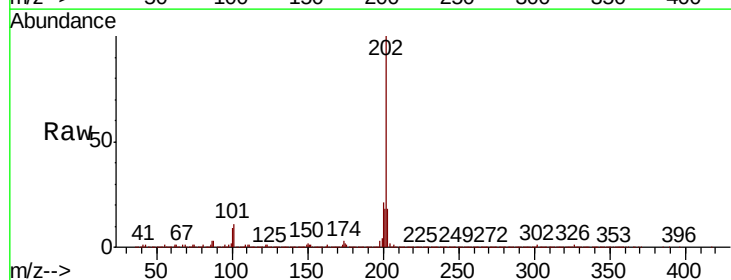
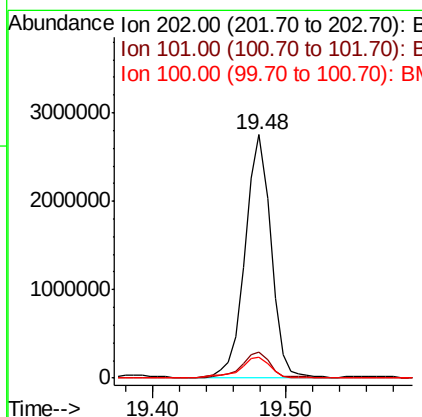
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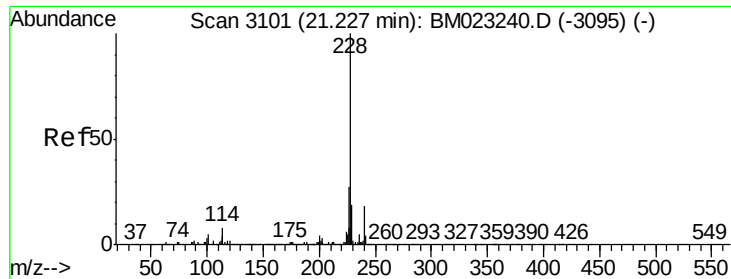
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#80
 Pyrene
 Concen: 31.001 ng/ul
 RT: 19.48 min Scan# 2804
 Delta R.T. 0.01 min
 Lab File: BM023244.D
 Acq: 18 Oct 2019 06:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	9.1	13.7
100	8.5	7.5	11.3





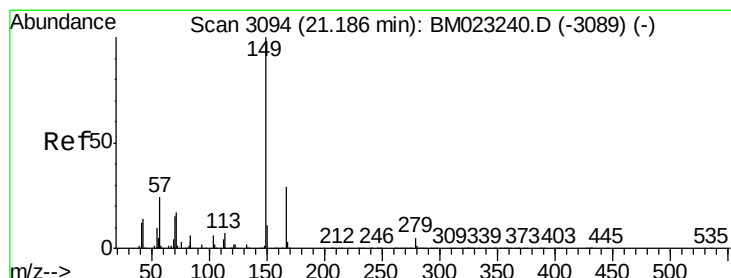
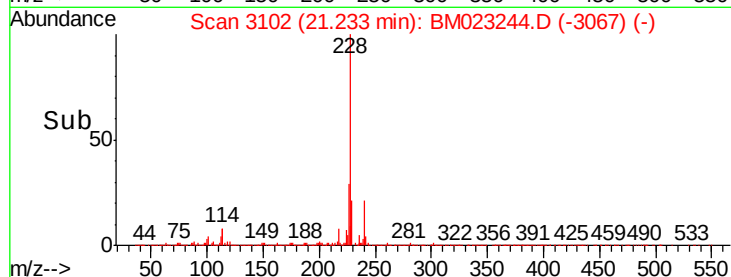
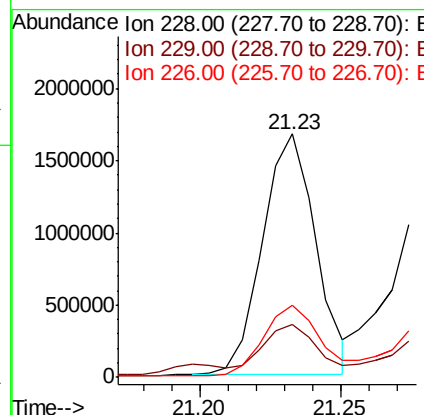
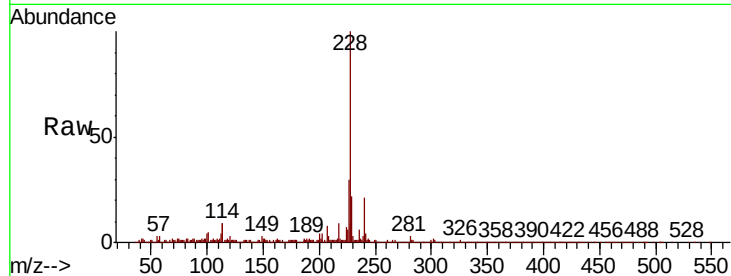
#83
 Benzo(a)anthracene
 Concen: 17.018 ng/ul
 RT: 21.23 min Scan# 3102
 Delta R.T. 0.01 min
 Lab File: BM023244.D
 Acq: 18 Oct 2019 06:28

Instrument :
 BNA_M
 ClientSampled :
 BEPB5

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.7	15.7	23.5
226	29.6	21.6	32.4

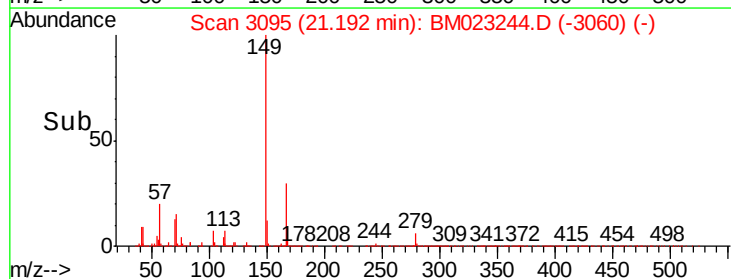
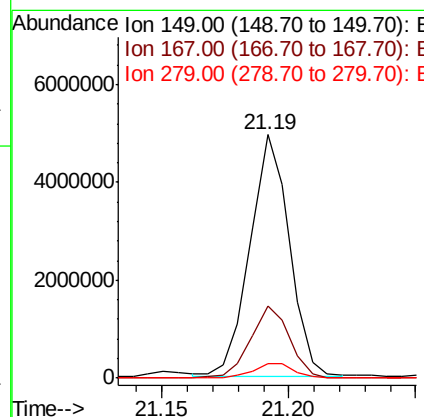
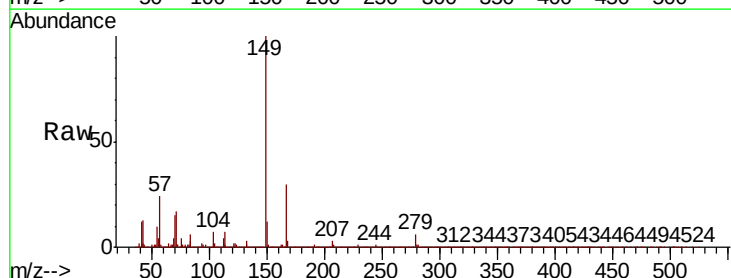
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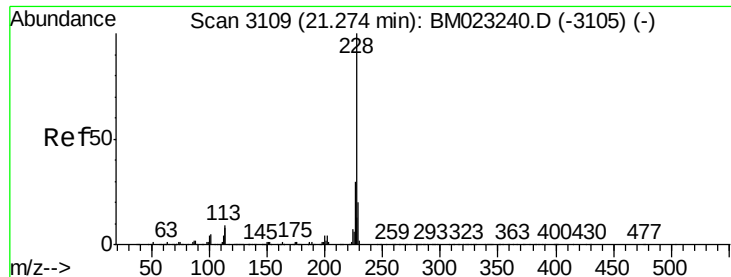
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 81.714 ng/ul
 RT: 21.19 min Scan# 3095
 Delta R.T. 0.01 min
 Lab File: BM023244.D
 Acq: 18 Oct 2019 06:28

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.8	22.5	33.7
279	6.1	4.0	6.0





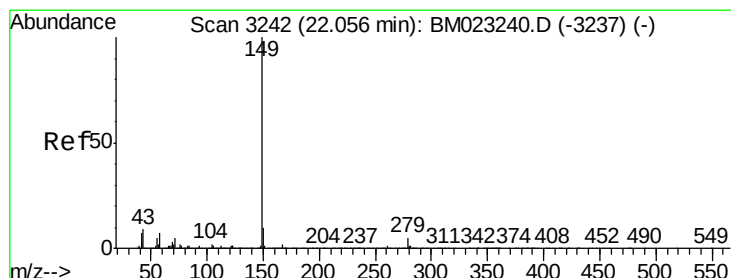
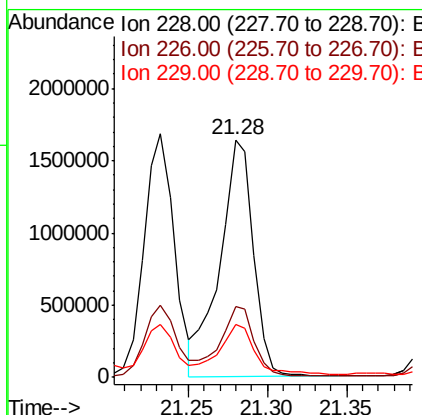
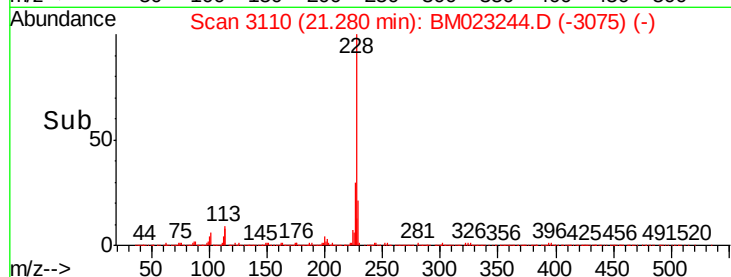
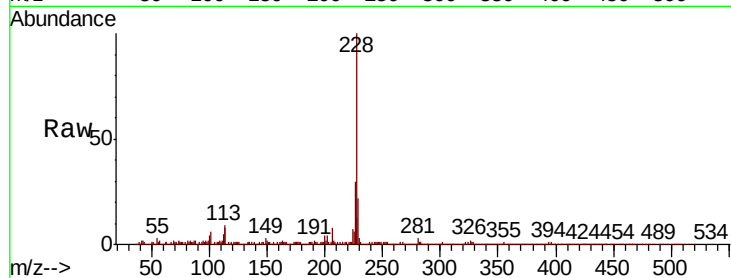
#85
 Chrysene
 Concen: 20.290 ng/ul
 RT: 21.28 min Scan# 3110
 Delta R.T. 0.01 min
 Lab File: BM023244.D
 Acq: 18 Oct 2019 06:28

Instrument :
 BNA_M
 ClientSampleId :
 BEPB5

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.8	35.6
229	22.5	15.5	23.3

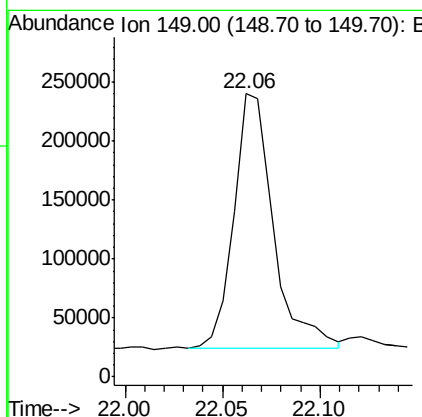
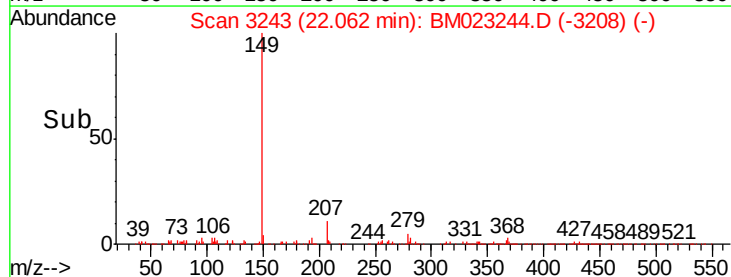
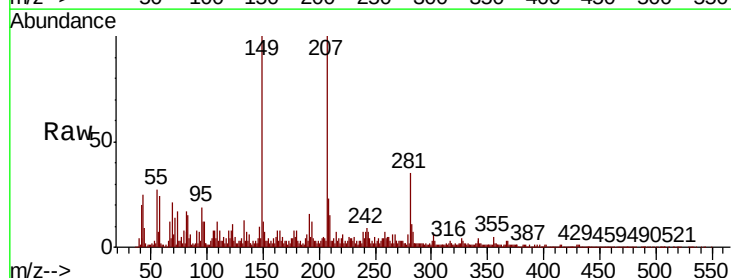
Manual Integrations
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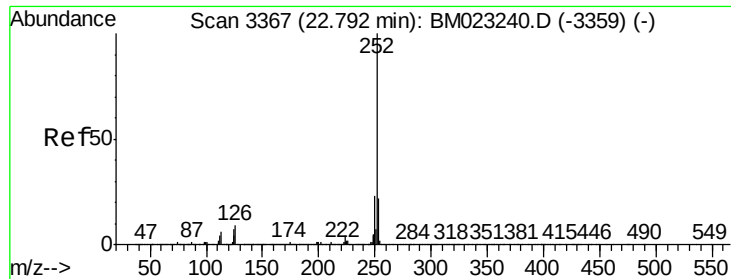
mohammad
 10/20/2019 8:06:54 PM



#87
 Di-n-octyl phthalate
 Concen: 2.544 ng/ul
 RT: 22.06 min Scan# 3243
 Delta R.T. 0.01 min
 Lab File: BM023244.D
 Acq: 18 Oct 2019 06:28

Tgt Ion:149 Resp: 305908





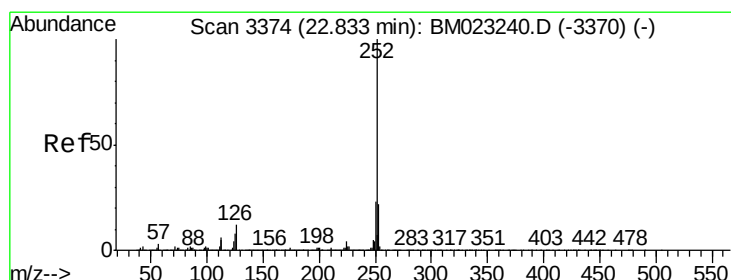
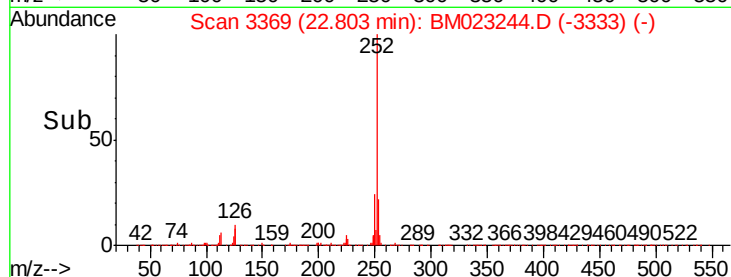
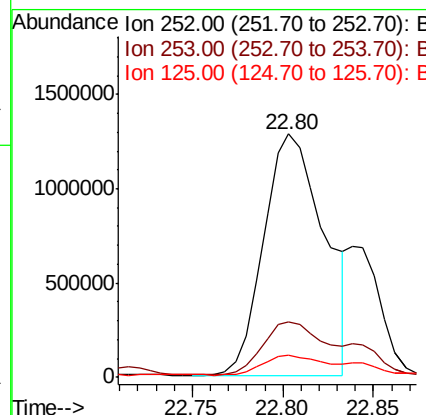
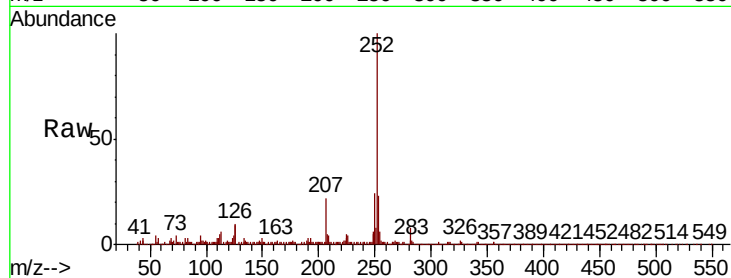
#88
Benzo(b)fluoranthene
Concen: 21.081 ng/ul
RT: 22.80 min Scan# 3369
Delta R.T. 0.01 min
Lab File: BM023244.D
Acq: 18 Oct 2019 06:28

Instrument :
BNA_M
ClientSampleId :
BEPB5

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.6	26.4
125	8.9	6.4	9.6

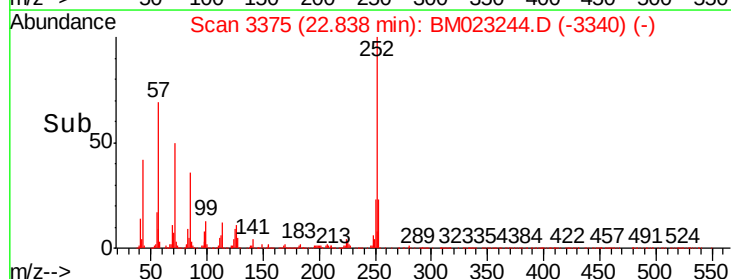
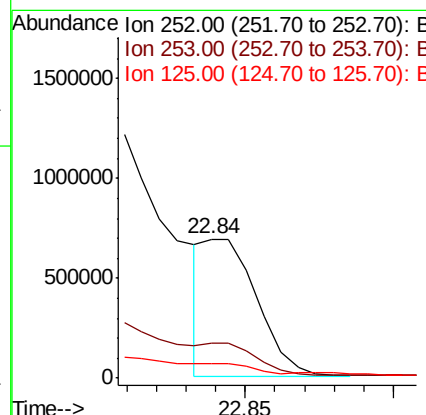
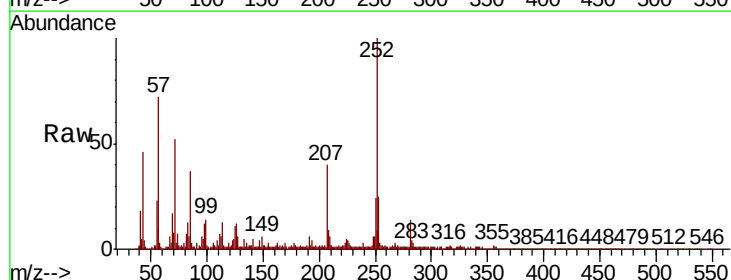
Manual Integrations
APPROVED

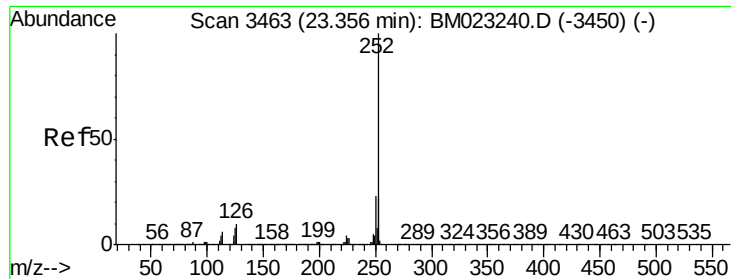
mohammad
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#89
Benzo(k)fluoranthene
Concen: 6.223 ng/ul m
RT: 22.84 min Scan# 3375
Delta R.T. 0.01 min
Lab File: BM023244.D
Acq: 18 Oct 2019 06:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.4	26.0
125	10.8	6.5	9.7#





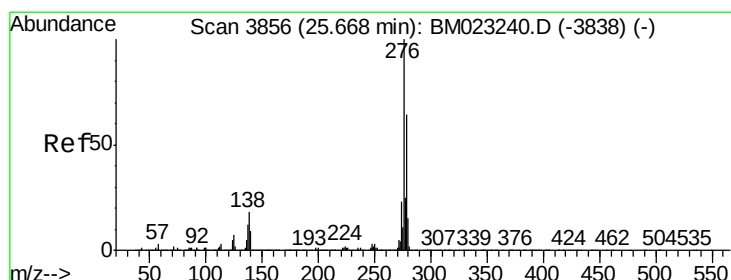
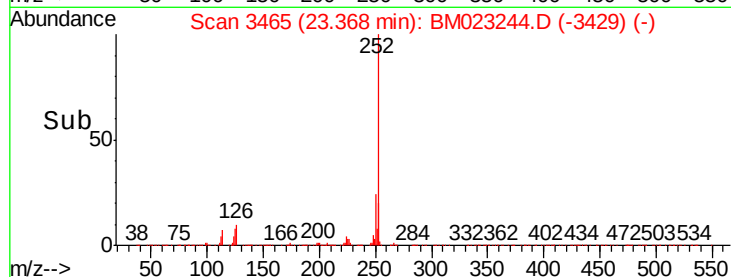
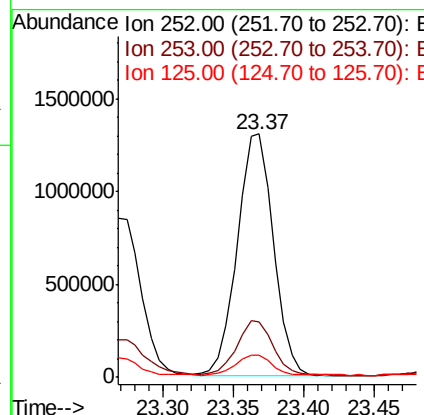
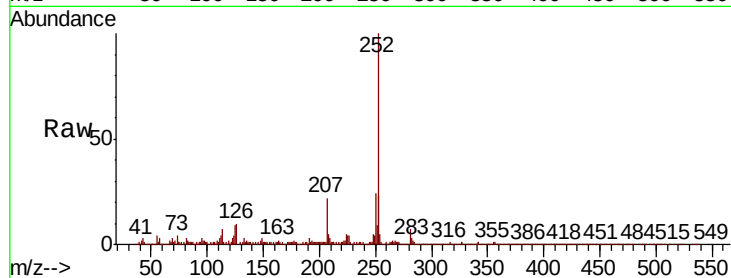
#91
Benzo(a)pyrene
Concen: 17.218 ng/ul
RT: 23.37 min Scan# 3465
Delta R.T. 0.01 min
Lab File: BM023244.D
Acq: 18 Oct 2019 06:28

Instrument :
BNA_M
ClientSampleId :
BEPB5

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.2	25.8
125	8.9	7.4	11.0

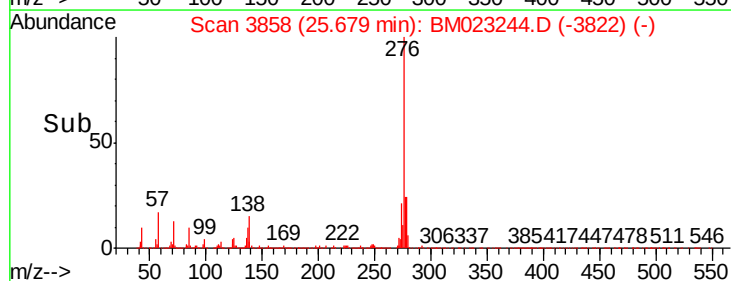
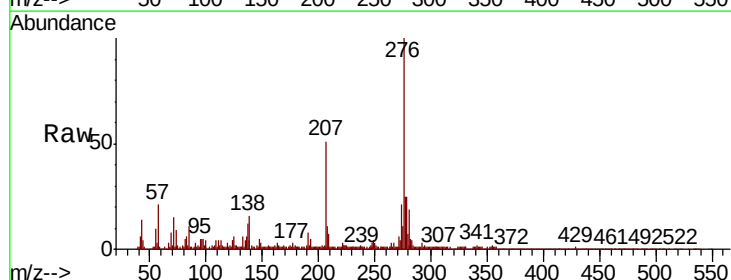
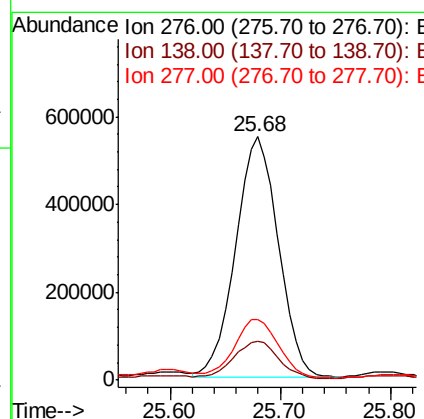
Manual Integrations
APPROVED

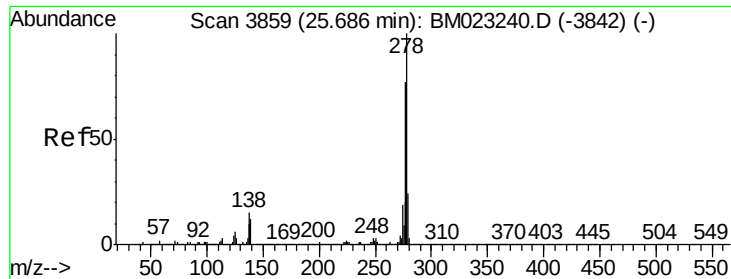
mohammad
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#92
Indeno(1,2,3-cd)pyrene
Concen: 9.213 ng/ul
RT: 25.68 min Scan# 3858
Delta R.T. 0.01 min
Lab File: BM023244.D
Acq: 18 Oct 2019 06:28

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.7	14.9	22.3
277	24.7	19.8	29.8





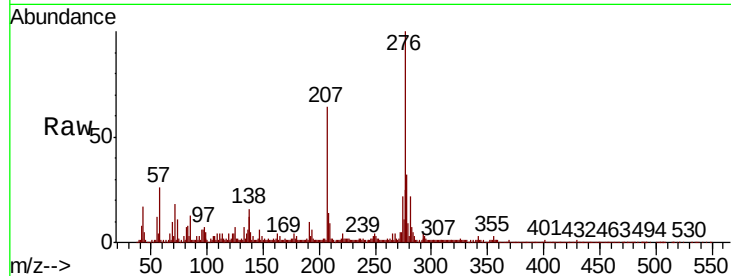
#93
Dibenzo(a,h)anthracene
Concen: 3.251 ng/ul
RT: 25.69 min Scan# 3860
Delta R.T. 0.01 min
Lab File: BM023244.D
Acq: 18 Oct 2019 06:28

Instrument :
BNA_M
ClientSampled :
BEPB5

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.7	10.0	15.0#
279	28.3	19.4	29.0

Manual Integrations
APPROVED

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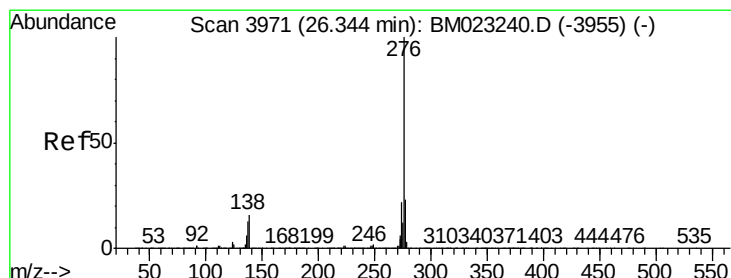
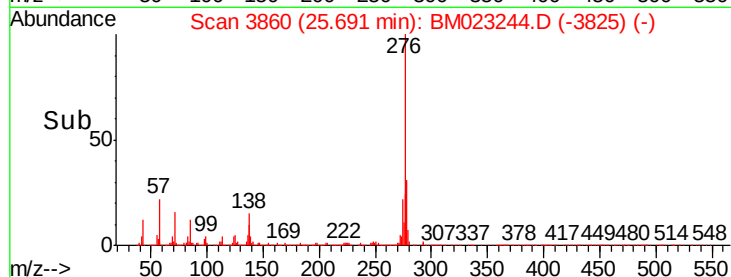
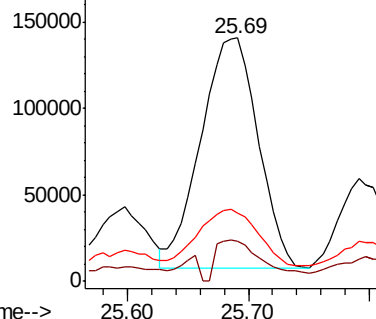


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#94
Benzo(g,h,i)perylene
Concen: 11.344 ng/ul
RT: 26.36 min Scan# 3974
Delta R.T. 0.02 min
Lab File: BM023244.D
Acq: 18 Oct 2019 06:28

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.5	14.4	21.6
277	24.5	19.4	29.2

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

