

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120419\
 Data File : BM024001.D
 Acq On : 04 Dec 2019 14:49
 Operator : JU
 Sample : K4649-01ME
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A5167ME

Manual Integrations
 APPROVED

mohammad
 12/5/2019 10:49:57 AM

Quant Time: Dec 04 15:26:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 04 13:35:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	410229	20.00	ng/ul	0.00
18) Naphthalene-d8	10.25	136	1697303	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.14	164	1049980	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.90	188	2203892	20.00	ng/ul	0.00
78) Chrysene-d12	21.11	240	2121738	20.00	ng/ul	0.00
86) Perylene-d12	23.26	264	2628079	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.03	96	29717	3.22	ng/uL	0.00
5) Phenol-d5	6.67	99	605529	16.84	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.83	67	357551	17.10	ng/ul	0.00
9) 2-Chlorophenol-d4	7.02	132	485870	17.48	ng/ul	0.00
13) 4-Methylphenol-d8	8.20	113	480762	16.95	ng/ul	0.00
19) Nitrobenzene-d5	8.63	128	238640	18.11	ng/ul	0.00
22) 2-Nitrophenol-d4	9.35	143	264273	17.65	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.89	165	484310	17.08	ng/ul	0.00
29) 4-Chloroaniline-d4	10.40	131	494165	15.88	ng/ul	0.00
44) Dimethylphthalate-d6	13.56	166	1476849	18.10	ng/ul	0.00
47) Acenaphthylene-d8	13.83	160	1747609	18.28	ng/ul	0.00
52) 4-Nitrophenol-d4	14.37	143	171576	12.51	ng/ul	0.00
58) Fluorene-d10	15.14	176	1291129	18.81	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.29	200	162140	11.72	ng/ul	0.00
71) Anthracene-d10	16.99	188	2003558	19.03	ng/ul	0.00
79) Pyrene-d10	19.30	212	2200323	20.07	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.12	264	2752968	19.82	ng/ul	0.00

Target Compounds

					Ovalue
14) Acetophenone	8.31	105	86822	2.002	ng/ul 94
45) Dimethylphthalate	13.61	163	175197	2.194	ng/ul 99
50) Acenaphthene	14.20	153	203994	2.970	ng/ul 99
54) Dibenzofuran	14.54	168	117885	1.213	ng/ul 99
59) Fluorene	15.20	166	191440	2.442	ng/ul 98
70) Phenanthrene	16.94	178	4024401	32.324	ng/ul 100
72) Anthracene	17.03	178	1043628	8.256	ng/ul 99
75) Carbazole	17.30	167	427725	3.908	ng/ul 99
77) Fluoranthene	18.97	202	6403245	47.958	ng/ul 98
80) Pyrene	19.33	202	5613992	39.270	ng/ul 98
83) Benzo(a)anthracene	21.09	228	2941248	20.740	ng/ul 99
85) Chrysene	21.14	228	2523185	18.946	ng/ul 97
88) Benzo(b)fluoranthene	22.62	252	3339311	20.546	ng/ul 99
89) Benzo(k)fluoranthene	22.66	252	1329126m	8.615	ng/ul
91) Benzo(a)pyrene	23.16	252	2708722	17.627	ng/ul 98
92) Indeno(1,2,3-cd)pyrene	25.37	276	1713712	8.981	ng/ul 97
93) Dibenzo(a,h)anthracene	25.38	278	446394m	2.785	ng/ul
94) Benzo(g,h,i)perylene	26.02	276	1608963	10.068	ng/ul 99

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

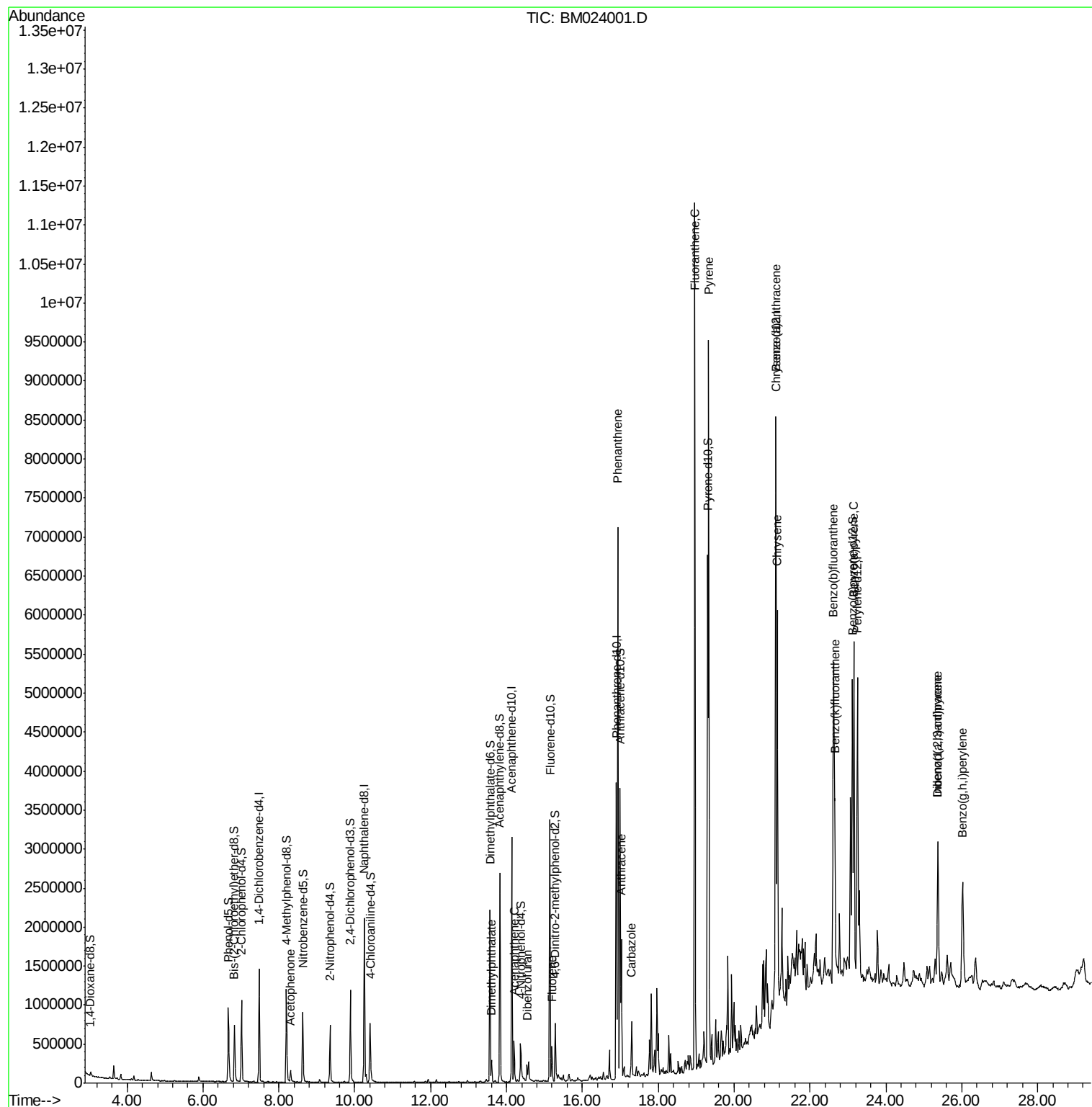
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120419\
Data File : BM024001.D
Acq On : 04 Dec 2019 14:49
Operator : JU
Sample : K4649-01ME
Misc :
ALS Vial : 9 Sample Multiplier: 1

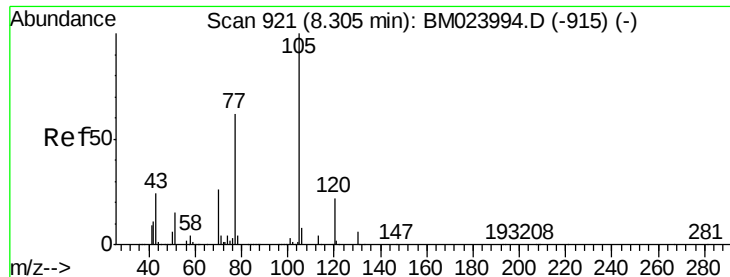
Instrument :
BNA_M
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION
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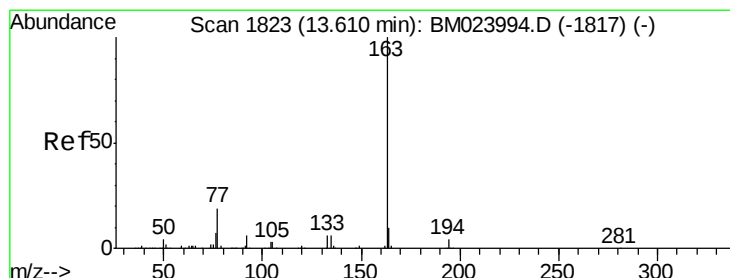
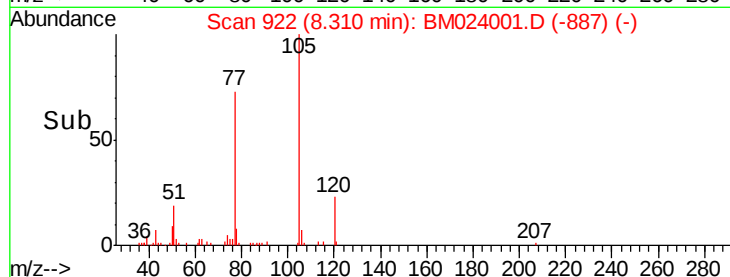
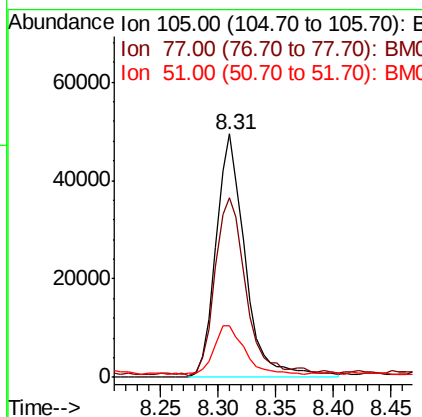
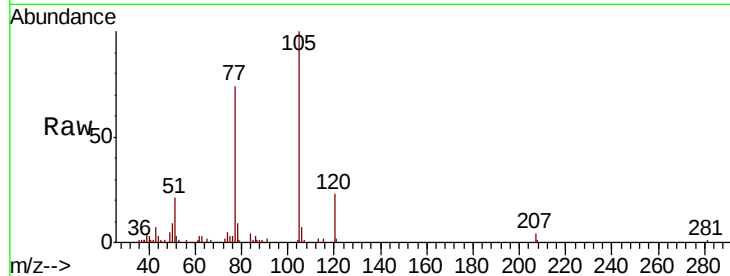
#14
Acetophenone
Concen: 2.002 ng/ul
RT: 8.31 min Scan# 922
Delta R.T. 0.01 min
Lab File: BM024001.D
Acq: 04 Dec 2019 14:49

Instrument :
BNA_M
ClientSampleId :
A5167ME

Tot Ion	Ratio	Resp Lower	Upper
105	100		
77	74.0	64.1	96.1
51	21.0	16.6	24.8

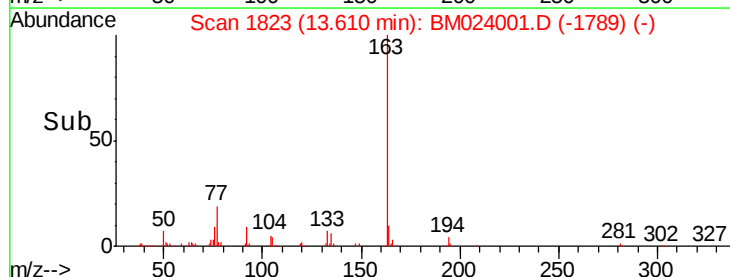
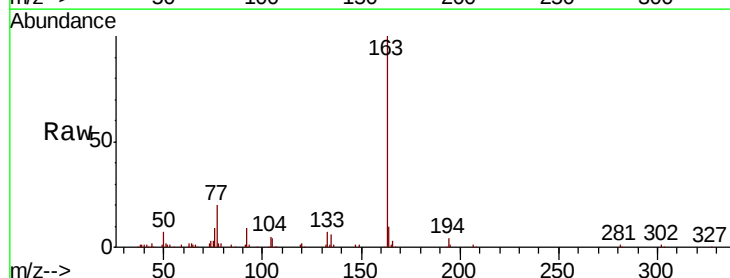
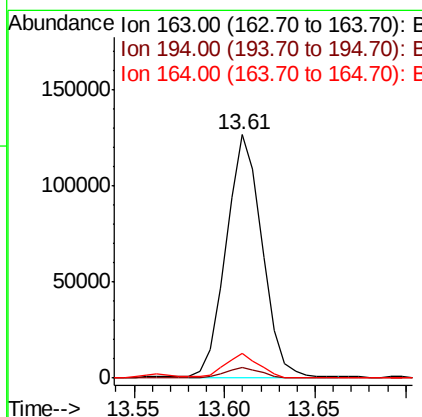
Manual Integrations
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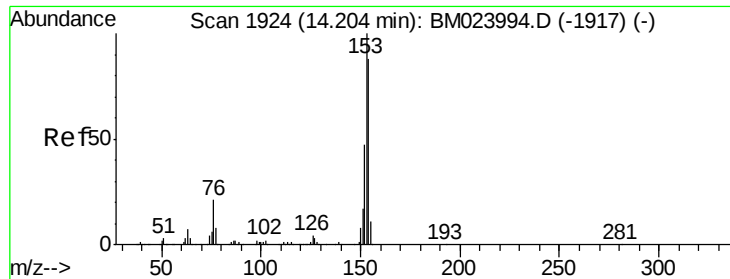
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#45
Dimethylphthalate
Concen: 2.194 ng/ul
RT: 13.61 min Scan# 1823
Delta R.T. -0.00 min
Lab File: BM024001.D
Acq: 04 Dec 2019 14:49

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	4.4	3.3	4.9
164	10.4	7.9	11.9





#50

Acenaphthene

Concen: 2.970 ng/ul

RT: 14.20 min Scan# 1924

Delta R.T. -0.00 min

Lab File: BM024001.D

Acq: 04 Dec 2019 14:49

Instrument :

BNA_M

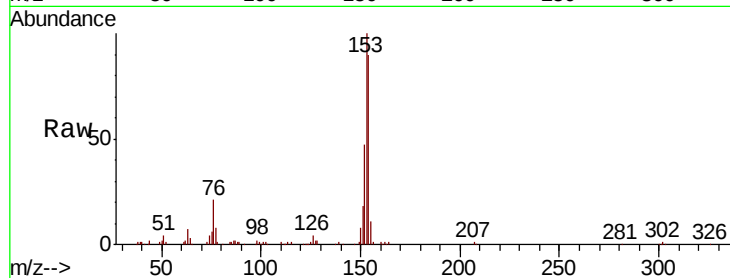
ClientSampleId :

A5167ME

Tot Ion:	153	Resp:	203994
Ion Ratio	Lower	Upper	
153	100		
152	46.6	37.5	56.3
154	89.7	70.7	106.1

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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

14.20

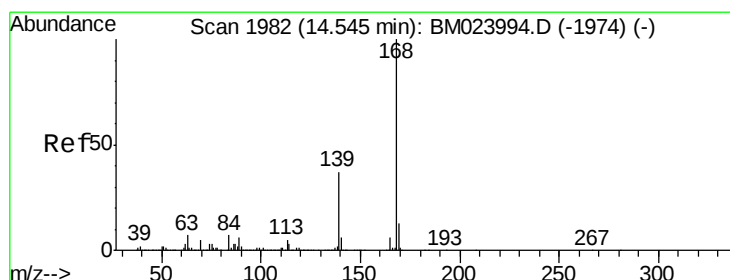
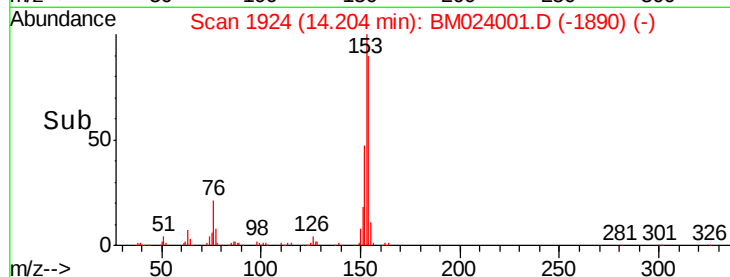
150000

100000

50000

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Time-->



#54

Dibenzofuran

Concen: 1.213 ng/ul

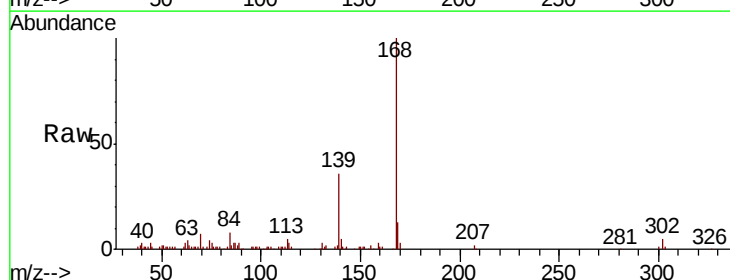
RT: 14.54 min Scan# 1982

Delta R.T. -0.00 min

Lab File: BM024001.D

Acq: 04 Dec 2019 14:49

Tgt Ion:	168	Resp:	117885
Ion Ratio	Lower	Upper	
168	100		
139	35.9	29.4	44.0



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

14.54

80000

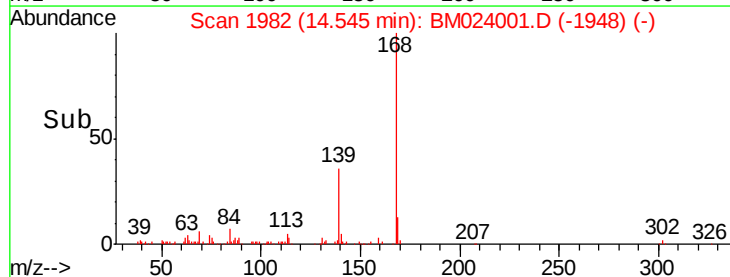
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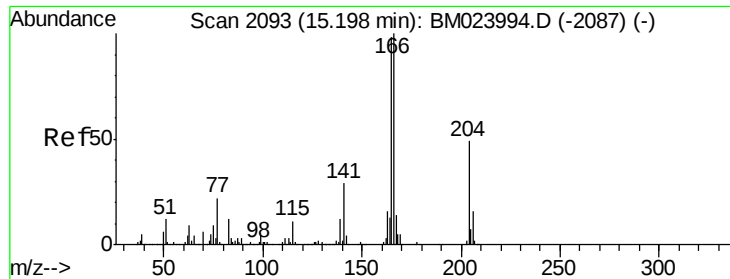
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20000

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Time-->





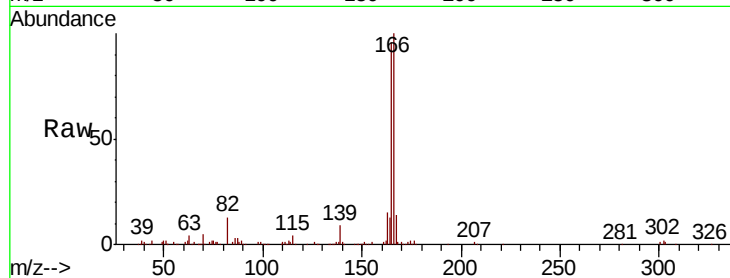
#59
Fluorene
 Concen: 2.442 ng/ul
 RT: 15.20 min Scan# 2093
 Delta R.T. -0.00 min
 Lab File: BM024001.D
 Acq: 04 Dec 2019 14:49

Instrument :
 BNA_M
 ClientSampleId :
 A5167ME

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.5	78.6	118.0
167	13.6	11.1	16.7

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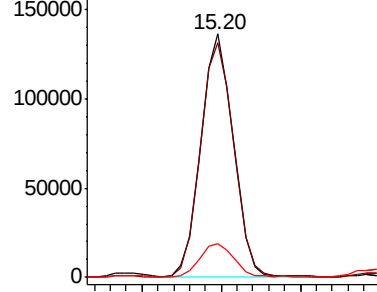


Abundance

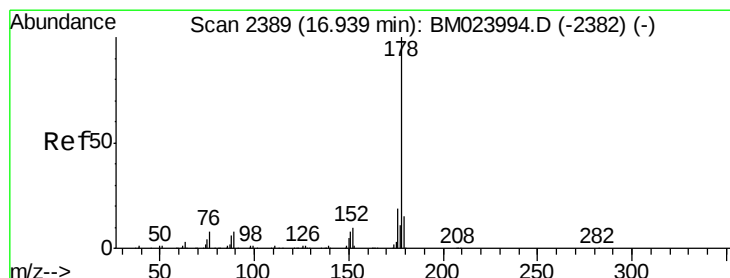
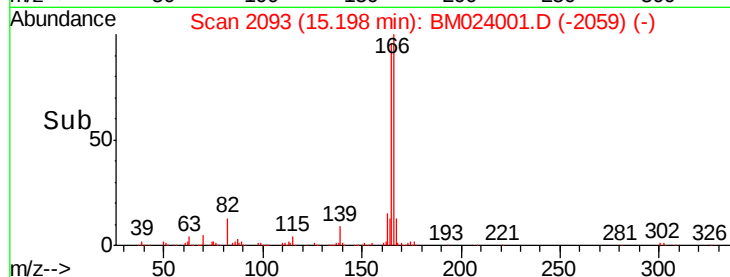
Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

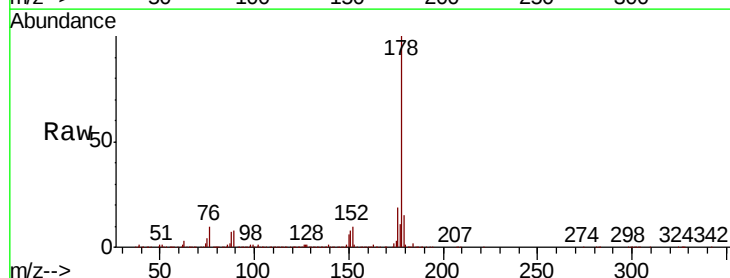


Time-->



#70
Phenanthrene
 Concen: 32.324 ng/ul
 RT: 16.94 min Scan# 2389
 Delta R.T. -0.00 min
 Lab File: BM024001.D
 Acq: 04 Dec 2019 14:49

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.0	18.0
176	18.7	15.1	22.7

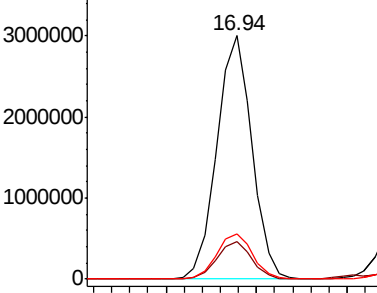


Abundance

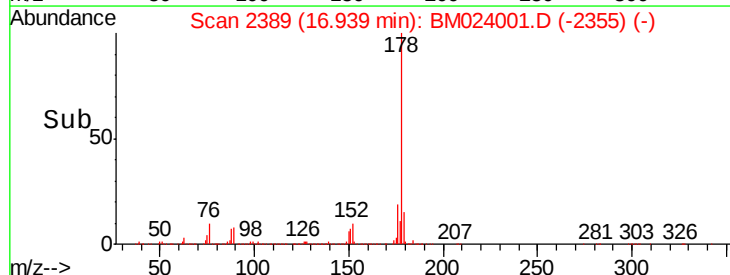
Ion 178.00 (177.70 to 178.70): E

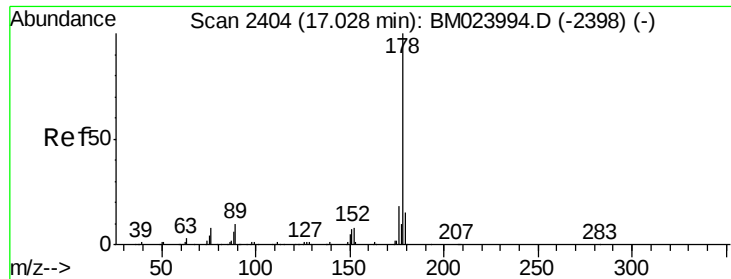
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->





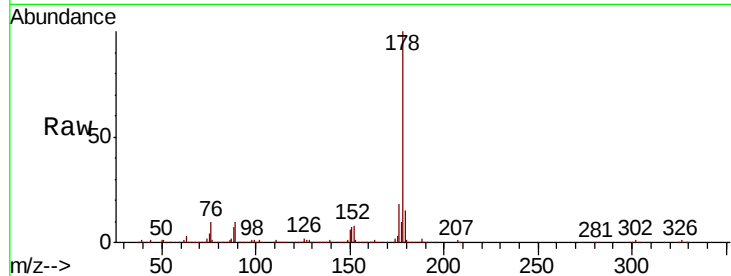
#72
 Anthracene
 Concen: 8.256 ng/ul
 RT: 17.03 min Scan# 2404
 Delta R.T. -0.00 min
 Lab File: BM024001.D
 Acq: 04 Dec 2019 14:49

Instrument :
 BNA_M
 ClientSampleId :
 A5167ME

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.3	11.9	17.9
176	17.8	14.7	22.1

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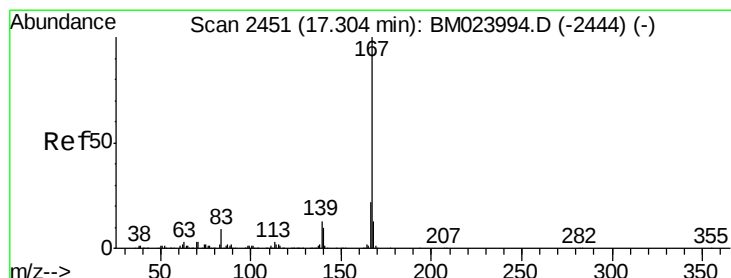
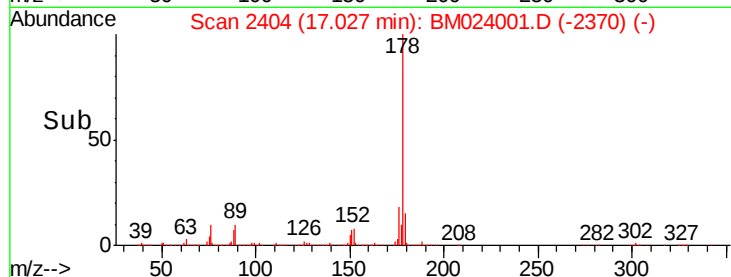
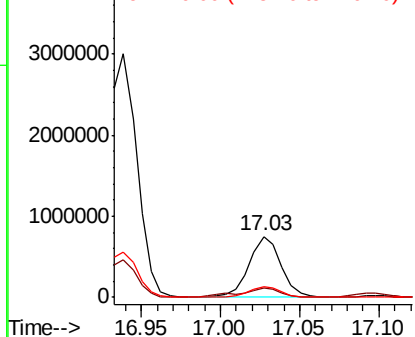


Abundance

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



#75
 Carbazole
 Concen: 3.908 ng/ul
 RT: 17.30 min Scan# 2451
 Delta R.T. -0.00 min
 Lab File: BM024001.D
 Acq: 04 Dec 2019 14:49

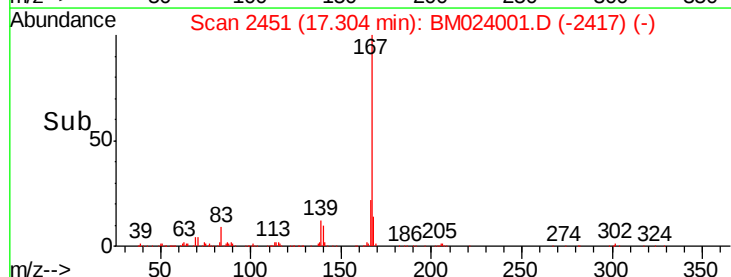
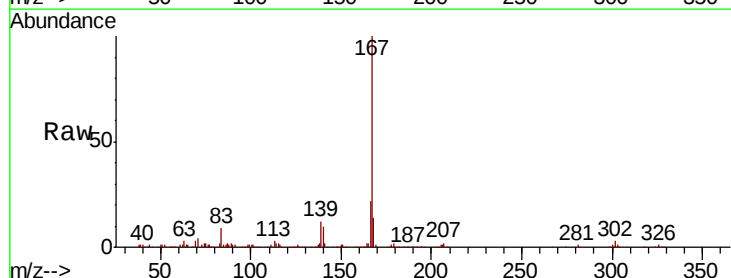
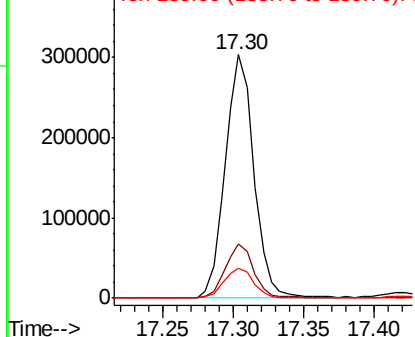
Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.4	26.0
139	12.4	10.2	15.2

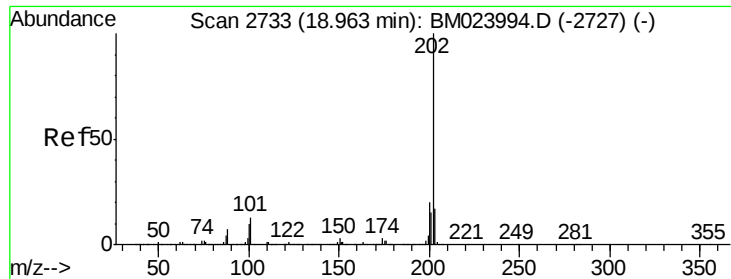
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





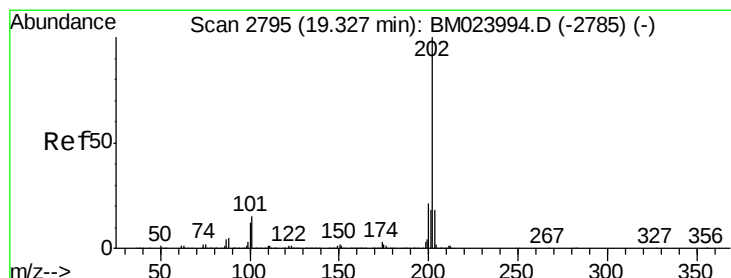
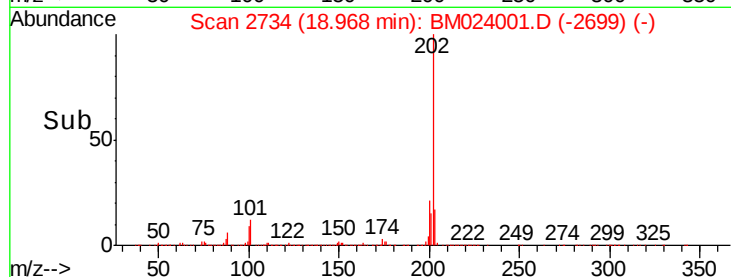
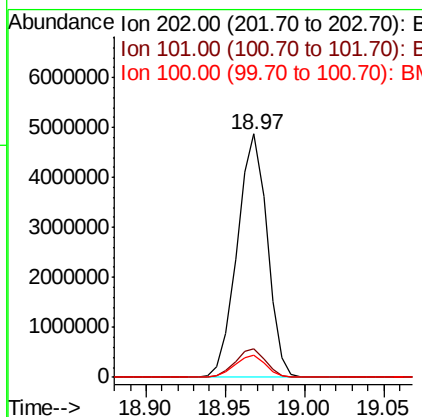
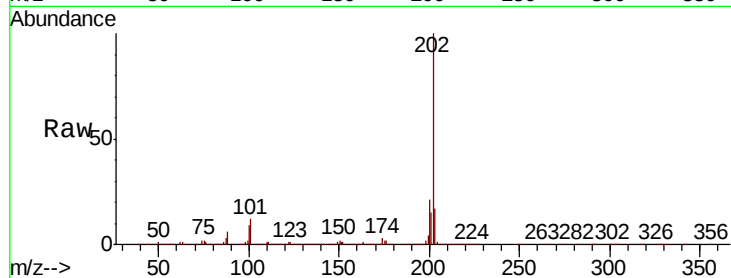
#77
Fluoranthene
 Concen: 47.958 ng/ul
 RT: 18.97 min Scan# 2734
 Delta R.T. 0.01 min
 Lab File: BM024001.D
 Acq: 04 Dec 2019 14:49

Instrument :
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 ClientSampleId :
 A5167ME

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.0	10.1	15.1
100	9.0	7.8	11.6

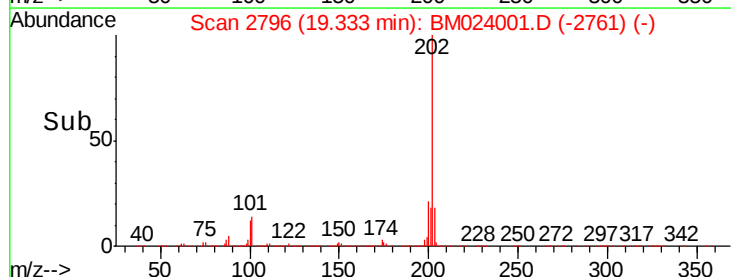
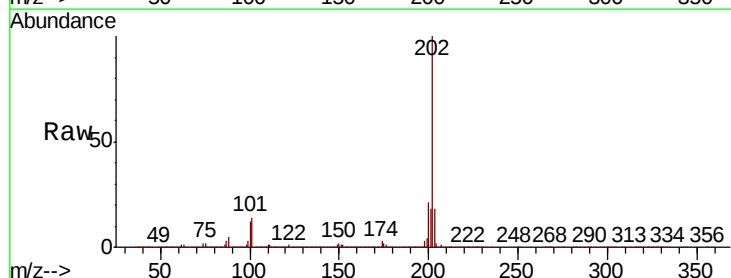
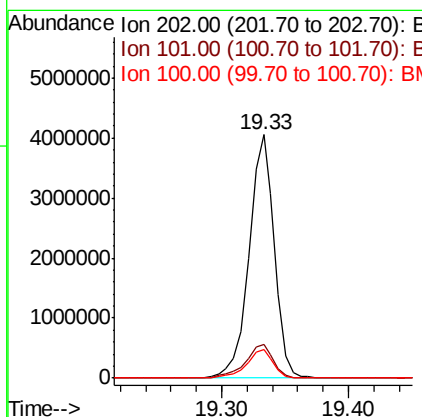
Manual Integrations
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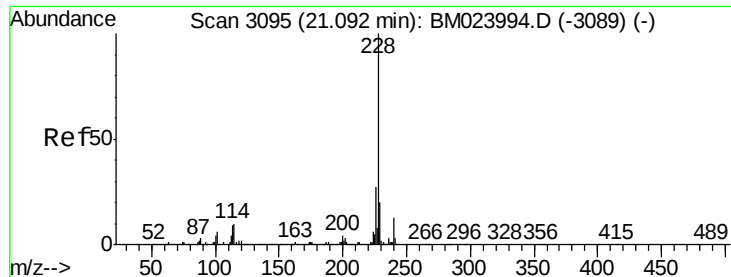
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#80
Pyrene
 Concen: 39.270 ng/ul
 RT: 19.33 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: BM024001.D
 Acq: 04 Dec 2019 14:49

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	11.8	17.6
100	11.5	9.8	14.6





#83

Benzo(a)anthracene

Concen: 20.740 ng/ul

RT: 21.09 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BM024001.D

Acq: 04 Dec 2019 14:49

Instrument :

BNA_M

ClientSampleId :

A5167ME

Tot Ion:228 Resp: 2941248

Ion Ratio Lower Upper

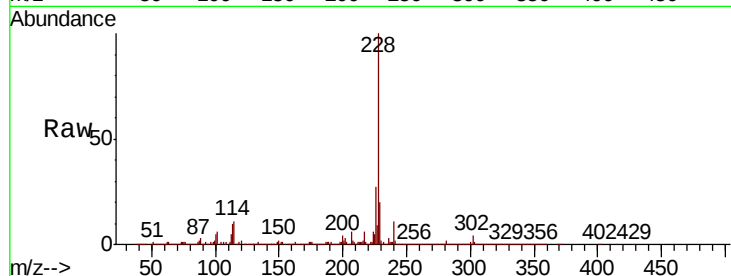
228 100

229 20.4 15.6 23.4

226 27.1 21.4 32.0

Manual Integrations
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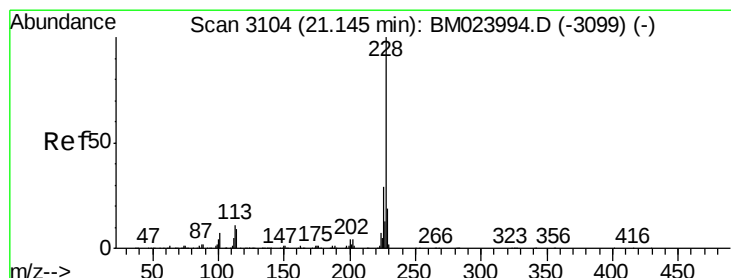
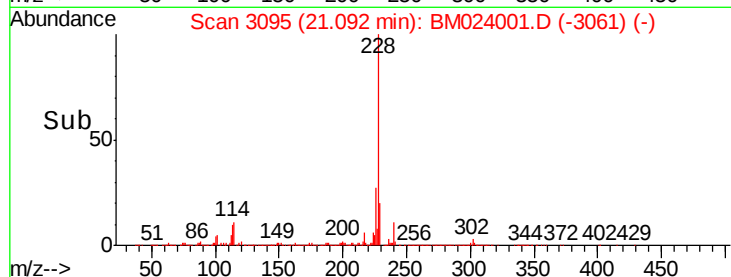
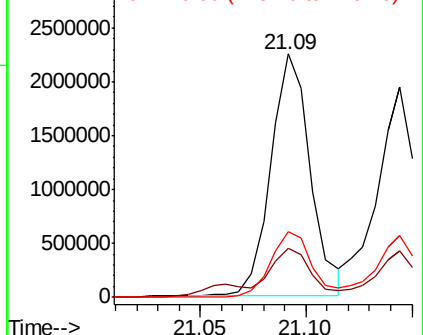


Abundance

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: 18.946 ng/ul

RT: 21.14 min Scan# 3104

Delta R.T. -0.00 min

Lab File: BM024001.D

Acq: 04 Dec 2019 14:49

Tgt Ion:228 Resp: 2523185

Ion Ratio Lower Upper

228 100

226 29.1 23.4 35.2

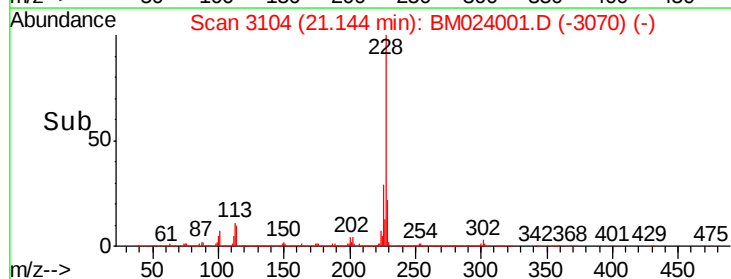
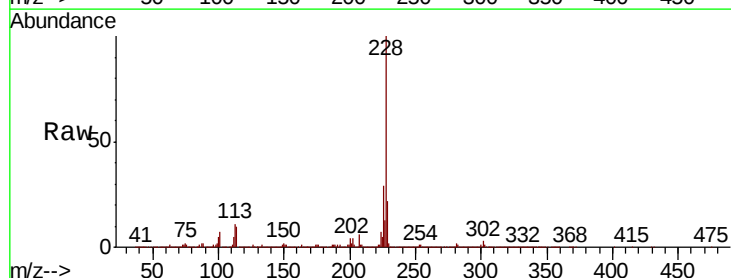
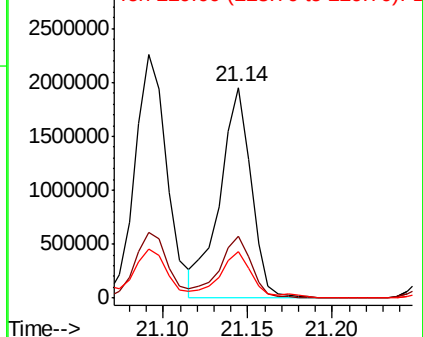
229 21.8 15.3 22.9

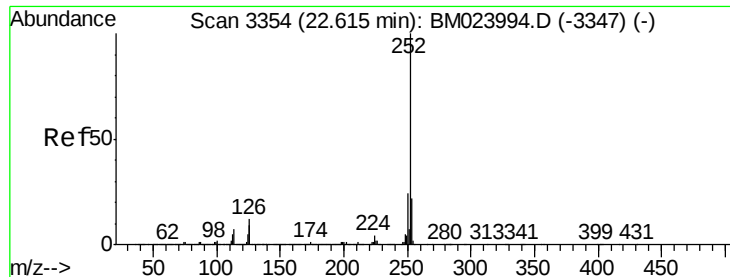
Abundance

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: 20.546 ng/ul

RT: 22.62 min Scan# 3355

Delta R.T. 0.01 min

Lab File: BM024001.D

Acq: 04 Dec 2019 14:49

Instrument :

BNA_M

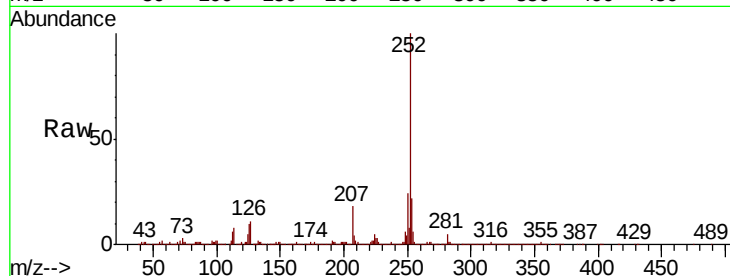
ClientSampleId :

A5167ME

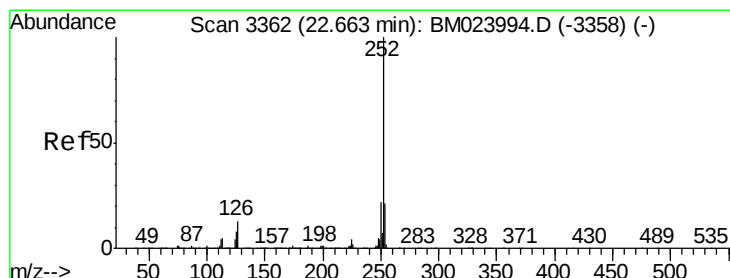
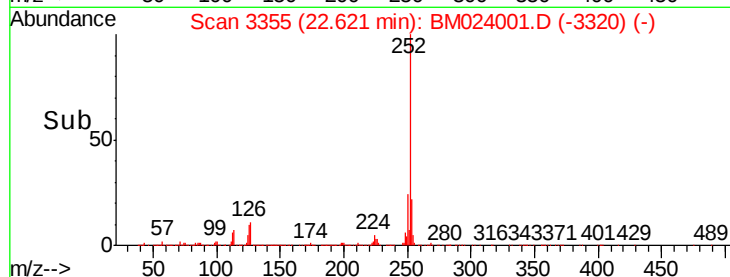
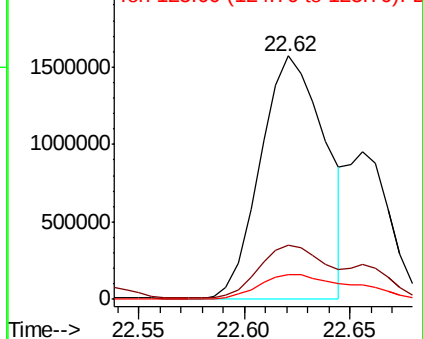
Tot Ion:	252	Resp:	3339311
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	10.1	7.4	11.2

Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 8.615 ng/ul m

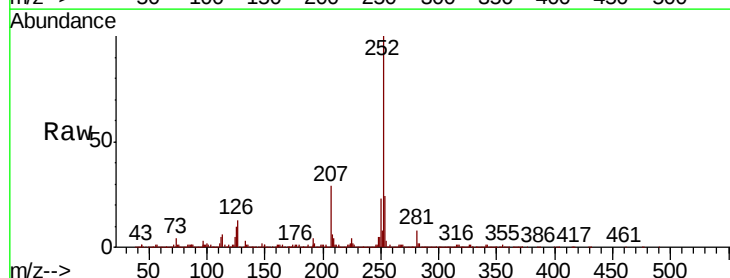
RT: 22.66 min Scan# 3361

Delta R.T. -0.01 min

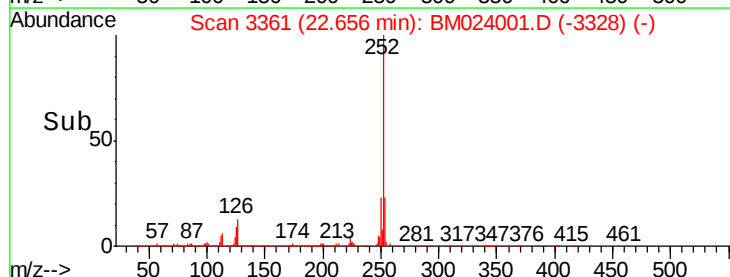
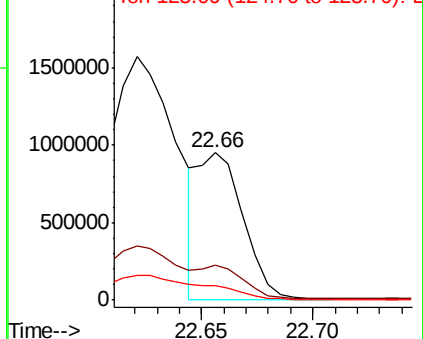
Lab File: BM024001.D

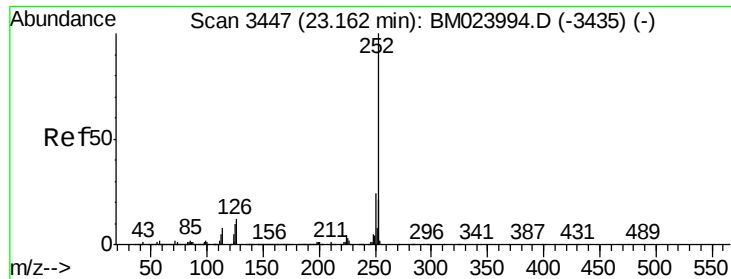
Acq: 04 Dec 2019 14:49

Tgt Ion:	252	Resp:	1329126
Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.2	25.8
125	9.7	7.0	10.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 17.627 ng/ul

RT: 23.16 min Scan# 3447

Delta R.T. -0.00 min

Lab File: BM024001.D

Acq: 04 Dec 2019 14:49

Instrument :

BNA_M

ClientSampleId :

A5167ME

Tot Ion:252 Resp: 2708722

Ion Ratio Lower Upper

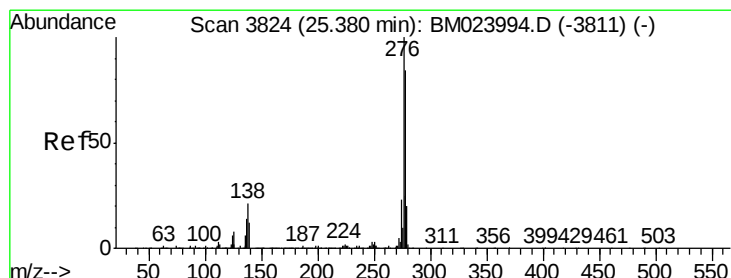
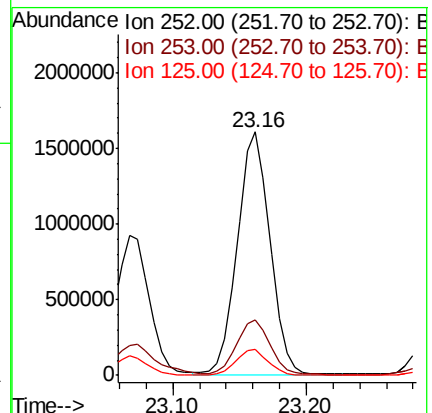
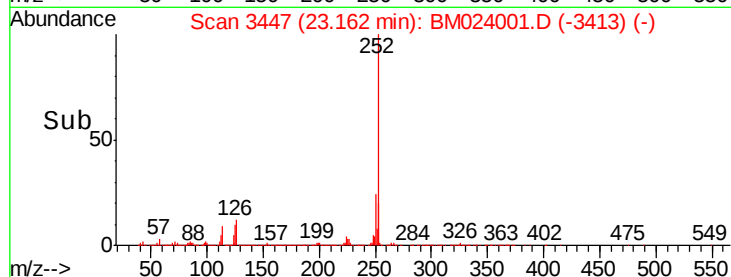
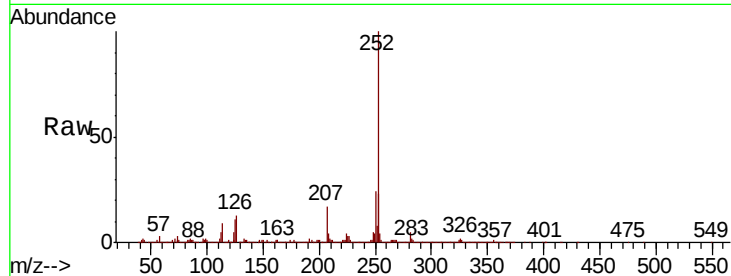
252 100

253 22.7 17.2 25.8

125 10.5 7.8 11.6

Manual Integrations
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#92

Indeno(1,2,3-cd)pyrene

Concen: 8.981 ng/ul

RT: 25.37 min Scan# 3823

Delta R.T. -0.01 min

Lab File: BM024001.D

Acq: 04 Dec 2019 14:49

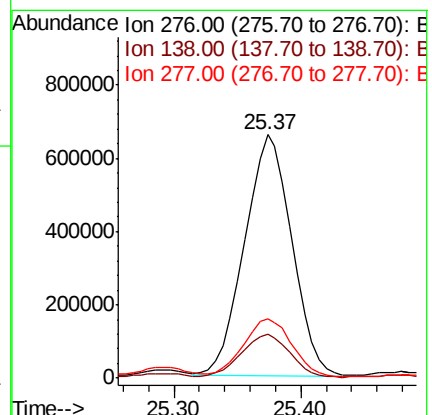
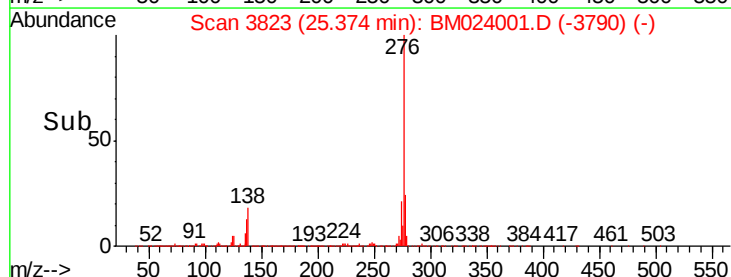
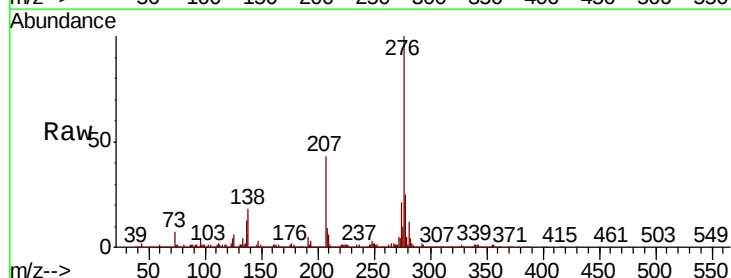
Tgt Ion:276 Resp: 1713712

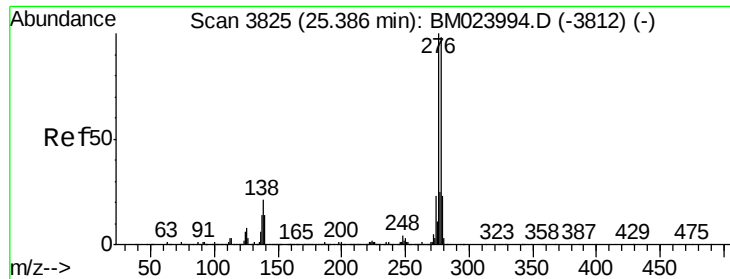
Ion Ratio Lower Upper

276 100

138 18.1 17.0 25.6

277 24.6 19.8 29.8





#93

Dibenzo(a,h)anthracene

Concen: 2.785 ng/ul m

RT: 25.38 min Scan# 3824

Delta R.T. -0.01 min

Lab File: BM024001.D

Acq: 04 Dec 2019 14:49

Instrument :

BNA_M

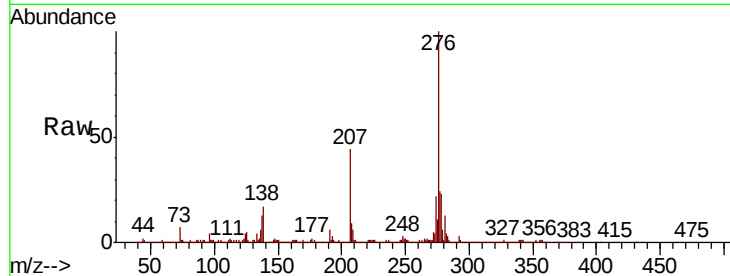
ClientSampleId :

A5167ME

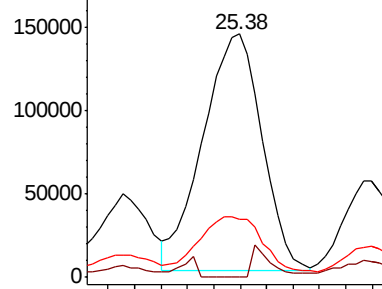
Tot Ion:	278	Resp:	446394
Ion Ratio	Lower	Upper	
278	100		
139	0.0	11.6	17.4#
279	23.9	19.1	28.7

Manual Integrations
APPROVED

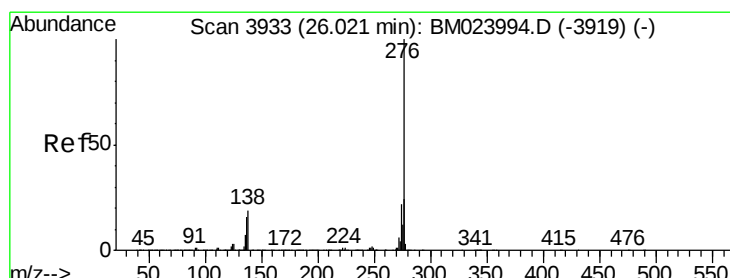
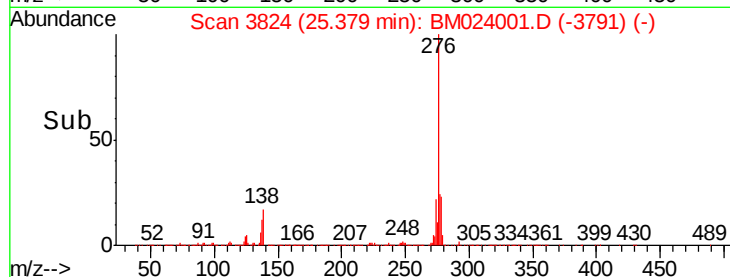
mohammad
12/5/2019 10:49:57 AM



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



Time-->



#94

Benzo(g,h,i)perylene

Concen: 10.068 ng/ul

RT: 26.02 min Scan# 3933

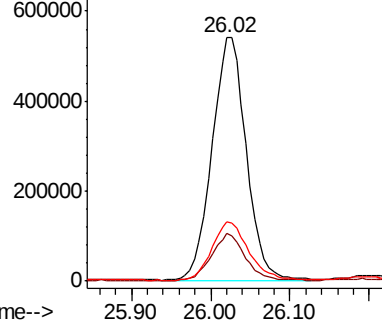
Delta R.T. -0.00 min

Lab File: BM024001.D

Acq: 04 Dec 2019 14:49

Tgt Ion:	276	Resp:	1608963
Ion Ratio	Lower	Upper	
276	100		
138	19.5	14.9	22.3
277	24.4	19.1	28.7

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



Time-->

