

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101519\
 Data File : BM023192.D
 Acq On : 16 Oct 2019 13:45
 Operator : JU
 Sample : K5199-12
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP79

Manual Integrations
 APPROVED

mohammad
 10/17/2019 7:58:29 AM

Quant Time: Oct 16 14:40:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 16 08:27:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	488092	20.00	ng/ul	0.00
18) Naphthalene-d8	10.47	136	2057959	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.33	164	1188238	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	1997044	20.00	ng/ul	0.00
78) Chrysene-d12	21.26	240	1642713	20.00	ng/ul	0.00
86) Perylene-d12	23.49	264	2040362	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	44362	4.00	ng/uL	0.00
5) Phenol-d5	6.86	99	974804	22.93	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	643489	26.76	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	827487	25.43	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	716934	20.99	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	424090	30.46	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	418949	31.60	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	878531	26.06	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	456739	11.14	ng/ul	0.00
44) Dimethylphthalate-d6	13.75	166	2702904	29.68	ng/ul	0.00
47) Acenaphthylene-d8	14.02	160	3293141	30.83	ng/ul	-0.01
52) 4-Nitrophenol-d4	14.52	143	164619	11.17	ng/ul	0.00
58) Fluorene-d10	15.32	176	2279201	29.38	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	15.44	200	150785	19.04	ng/ul	0.00
71) Anthracene-d10	17.17	188	3070307	31.88	ng/ul	-0.01
79) Pyrene-d10	19.47	212	2910191	36.58	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.35	264	3349768	32.39	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	6.88	94	84782	1.934	ng/ul 97
28) Naphthalene	10.52	128	122788	1.154	ng/ul 97
45) Dimethylphthalate	13.79	163	937112	10.282	ng/ul 99
48) Acenaphthylene	14.05	152	271872	2.490	ng/ul 97
50) Acenaphthene	14.39	153	173428	2.281	ng/ul 98
54) Dibenzofuran	14.73	168	116318	1.078	ng/ul 96
59) Fluorene	15.38	166	224484	2.535	ng/ul 97
70) Phenanthrene	17.12	178	3965043	35.378	ng/ul 100
72) Anthracene	17.20	178	913493	7.888	ng/ul 100
75) Carbazole	17.47	167	324968	3.141	ng/ul 98
76) Di-n-butylphthalate	18.06	149	11885178	96.532	ng/ul 97
77) Fluoranthene	19.14	202	7493037	56.216	ng/ul 99
80) Pyrene	19.50	202	7825626	76.044	ng/ul 100
81) Butylbenzylphthalate	20.42	149	67091	1.874	ng/ul 88
83) Benzo(a)anthracene	21.25	228	4623609	41.540	ng/ul 95
84) Bis(2-ethylhexyl)phthalate	21.22	149	8854366m	155.577	ng/ul
85) Chrysene	21.30	228	4732230	45.788	ng/ul 97
88) Benzo(b)fluoranthene	22.83	252	6244497	50.478	ng/ul 98
89) Benzo(k)fluoranthene	22.86	252	1818025m	15.305	ng/ul
91) Benzo(a)pyrene	23.39	252	4688626	39.504	ng/ul 98
92) Indeno(1,2,3-cd)pyrene	25.72	276	3170624	22.456	ng/ul 98
93) Dibenz(a,h)anthracene	25.73	278	873510	7.399	ng/ul# 93
94) Benzo(g,h,i)perylene	26.40	276	2370095	20.388	ng/ul 100

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 16 08:27:24 2019
Response via : Initial Calibration

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

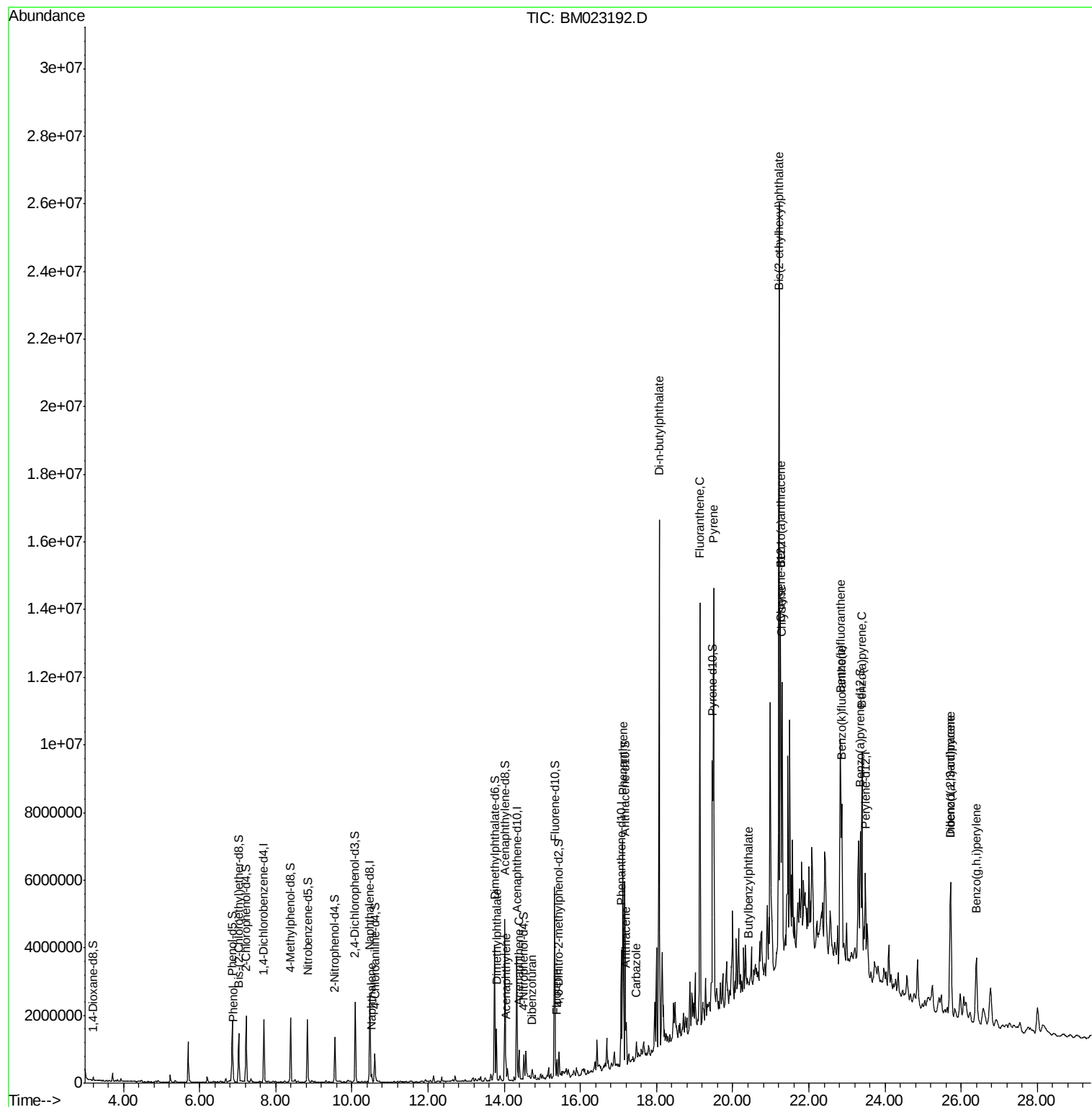
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101519\
Data File : BM023192.D
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Operator : JU
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ALS Vial : 37 Sample Multiplier: 1

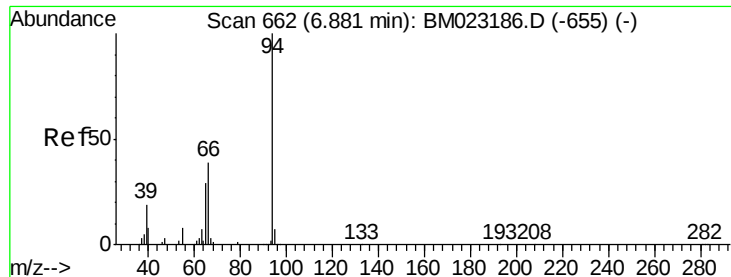
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#6

Phenol

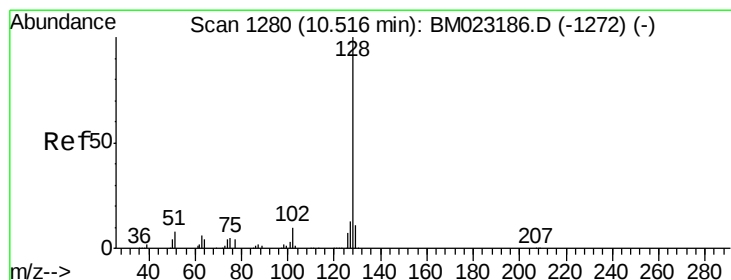
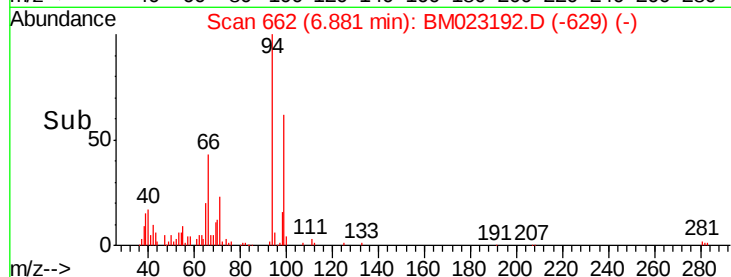
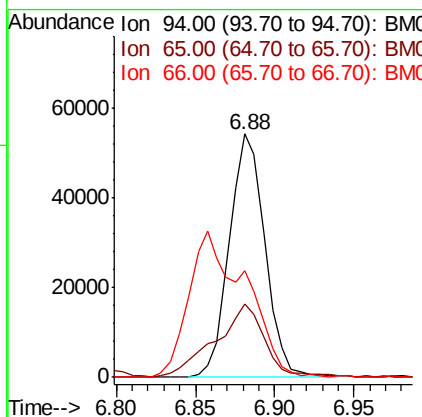
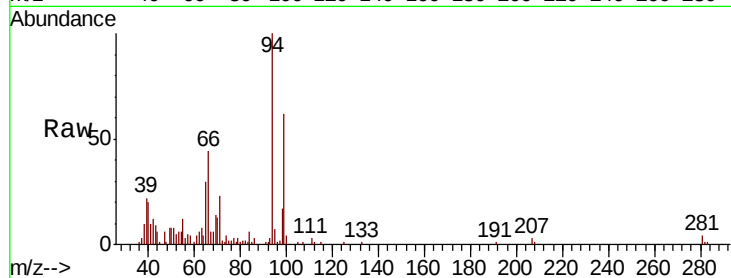
Concen: 1.934 ng/ul
 RT: 6.88 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: BM023192.D
 Acq: 16 Oct 2019 13:45

Instrument :
 BNA_M
 ClientSampleId :
 BEP79

Tot Ion	Ion	Ratio	Resp	Lower	Upper
94	100		84782		
65	30.2		23.7	35.5	
66	43.7		32.9	49.3	

Manual Integrations
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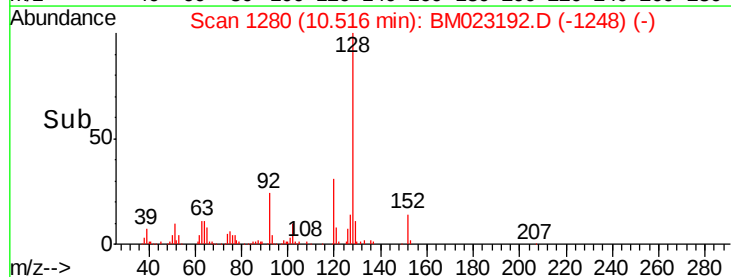
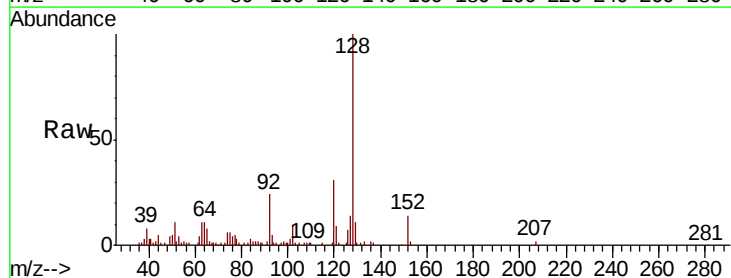
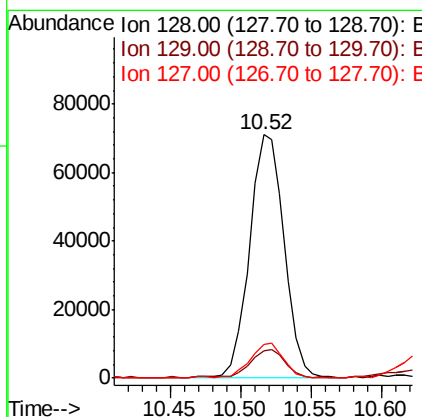


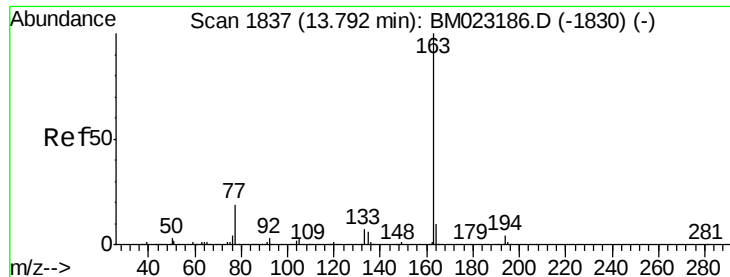
#28

Naphthalene

Concen: 1.154 ng/ul
 RT: 10.52 min Scan# 1280
 Delta R.T. -0.01 min
 Lab File: BM023192.D
 Acq: 16 Oct 2019 13:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		122788		
129	11.4		8.3	12.5	
127	14.0		10.2	15.4	





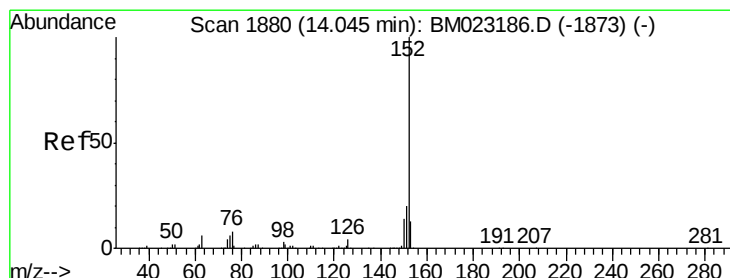
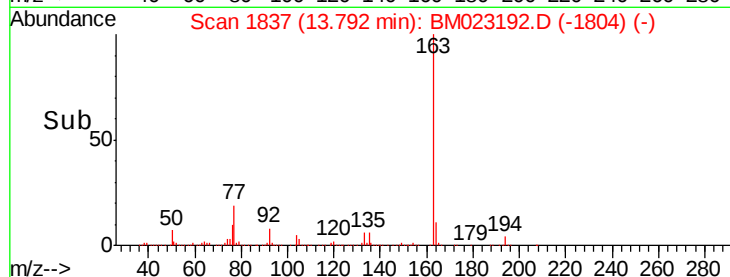
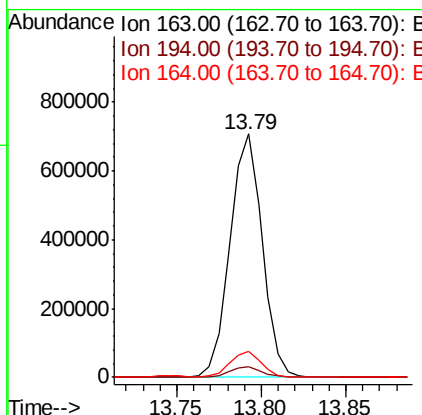
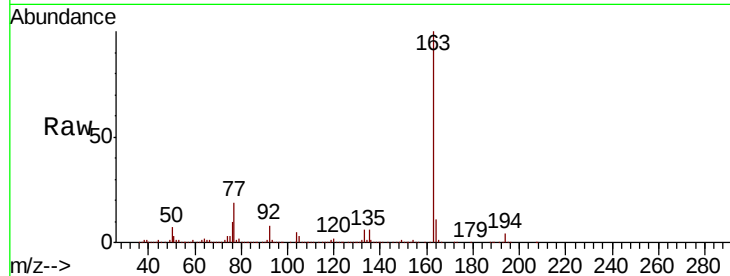
#45
Dimethylphthalate
Concen: 10.282 ng/ul
RT: 13.79 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BM023192.D
Acq: 16 Oct 2019 13:45

Instrument :
BNA_M
ClientSampleId :
BEP79

Tot Ion	Ratio	Resp	Lower	Upper
163	100	937112		
194	4.4		3.5	5.3
164	10.5		8.0	12.0

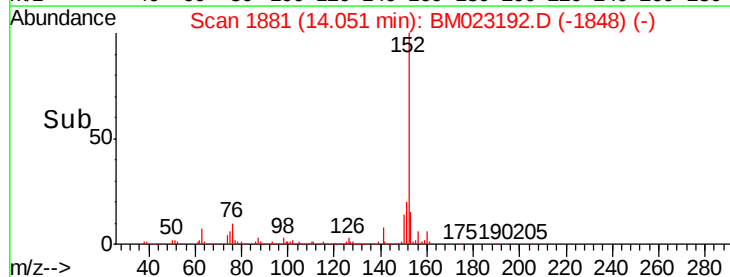
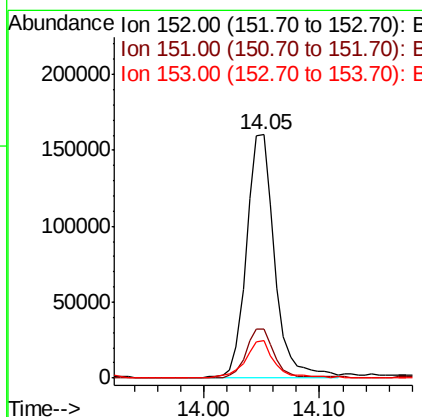
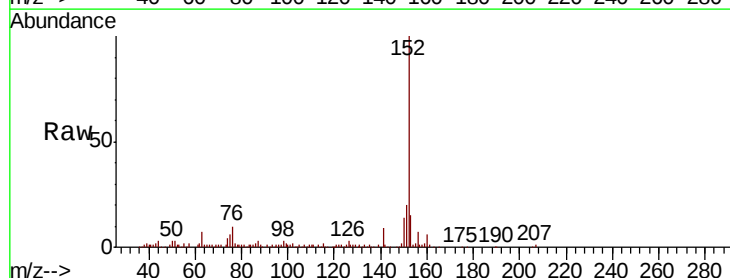
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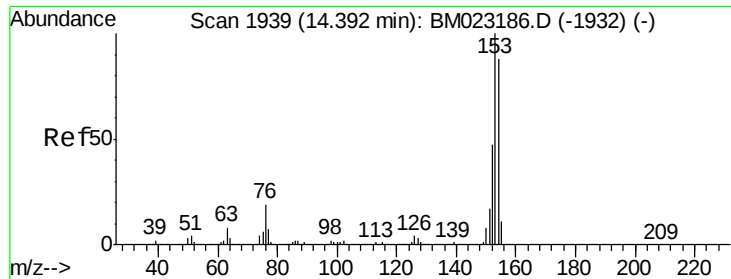
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#48
Acenaphthylene
Concen: 2.490 ng/ul
RT: 14.05 min Scan# 1881
Delta R.T. -0.01 min
Lab File: BM023192.D
Acq: 16 Oct 2019 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	271872		
151	20.0		15.8	23.6
153	15.2		10.3	15.5





#50

Acenaphthene

Concen: 2.281 ng/ul

RT: 14.39 min Scan# 1939

Delta R.T. -0.01 min

Lab File: BM023192.D

Acq: 16 Oct 2019 13:45

Instrument :

BNA_M

ClientSampleId :

BEP79

Tot Ion:153 Resp: 173428

Ion Ratio Lower Upper

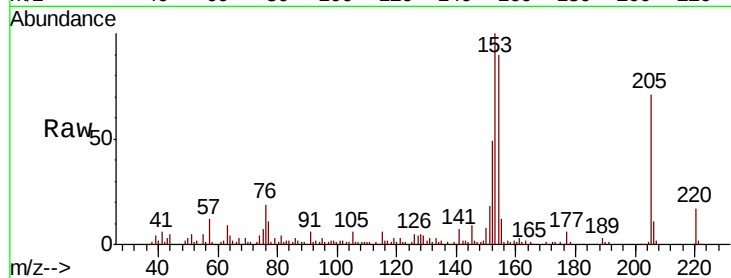
153 100

152 49.0 38.0 57.0

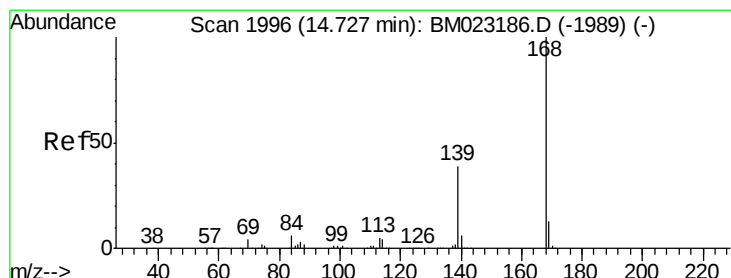
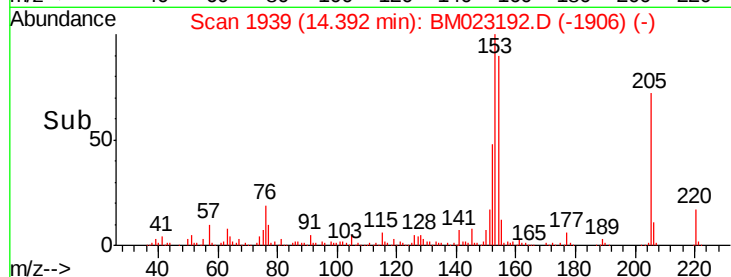
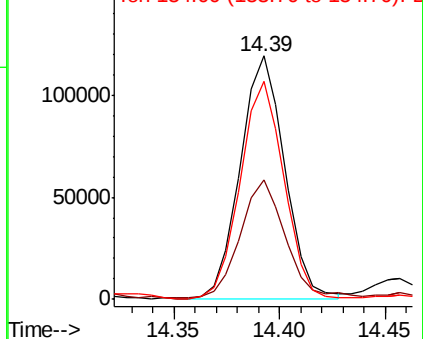
154 89.5 70.4 105.6

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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: 1.078 ng/ul

RT: 14.73 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BM023192.D

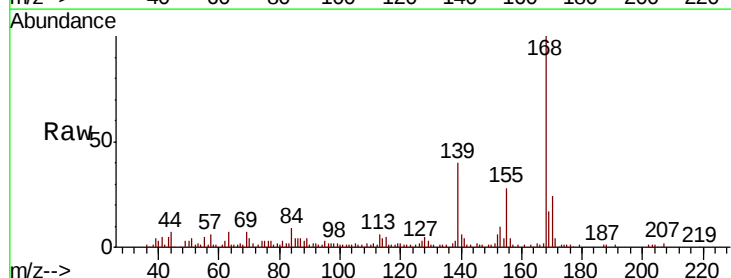
Acq: 16 Oct 2019 13:45

Tgt Ion:168 Resp: 116318

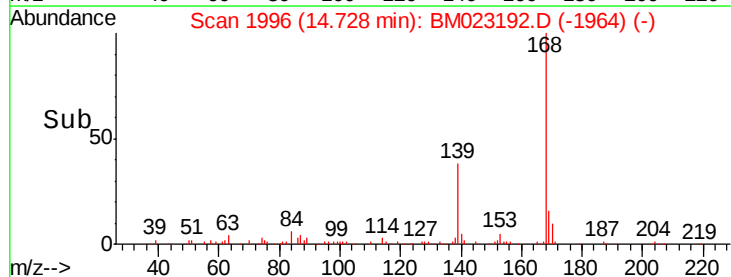
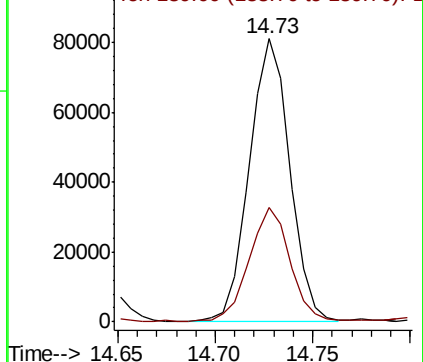
Ion Ratio Lower Upper

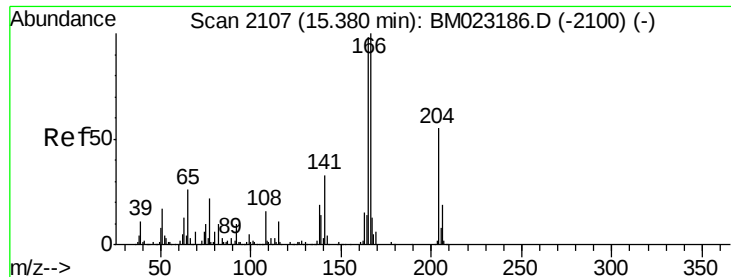
168 100

139 40.2 30.1 45.1



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





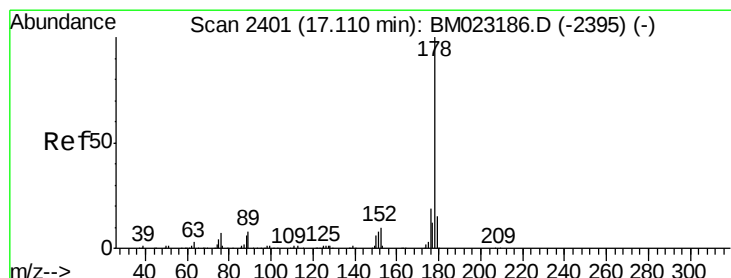
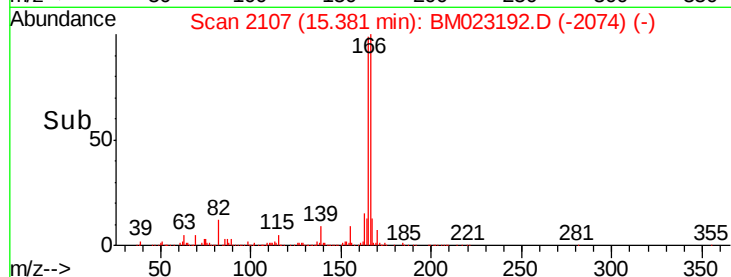
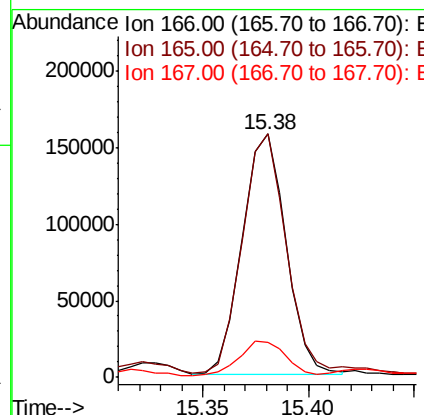
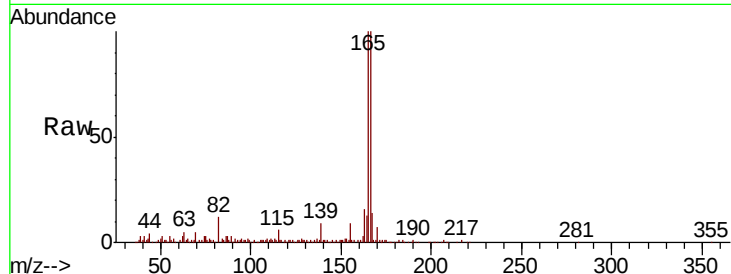
#59
Fluorene
Concen: 2.535 ng/ul
RT: 15.38 min Scan# 2107
Delta R.T. -0.01 min
Lab File: BM023192.D
Acq: 16 Oct 2019 13:45

Instrument :
BNA_M
ClientSampleId :
BEP79

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.9	77.4	116.0
167	14.4	10.8	16.2

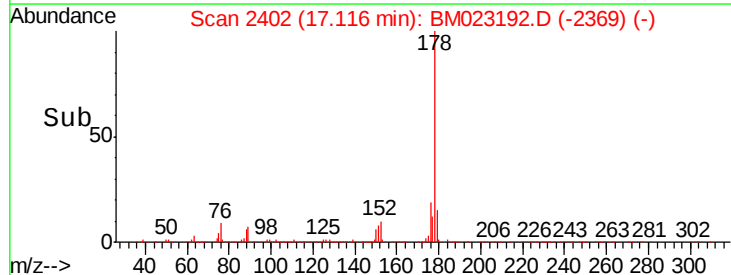
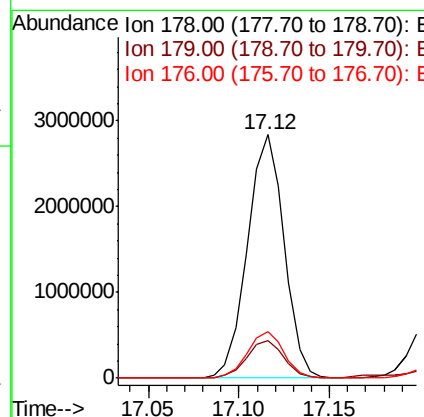
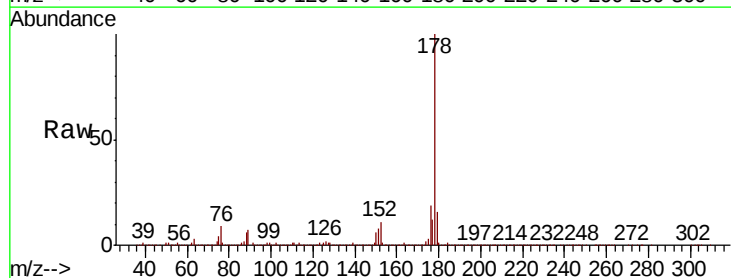
Manual Integrations
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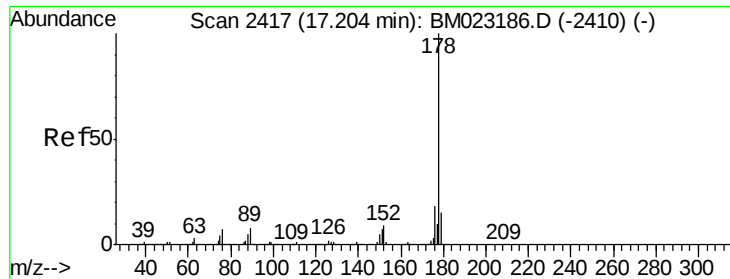
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#70
Phenanthrene
Concen: 35.378 ng/ul
RT: 17.12 min Scan# 2402
Delta R.T. -0.01 min
Lab File: BM023192.D
Acq: 16 Oct 2019 13:45

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.3	18.5
176	19.2	15.5	23.3





#72

Anthracene

Concen: 7.888 ng/ul

RT: 17.20 min Scan# 2417

Delta R.T. -0.01 min

Lab File: BM023192.D

Acq: 16 Oct 2019 13:45

Instrument :

BNA_M

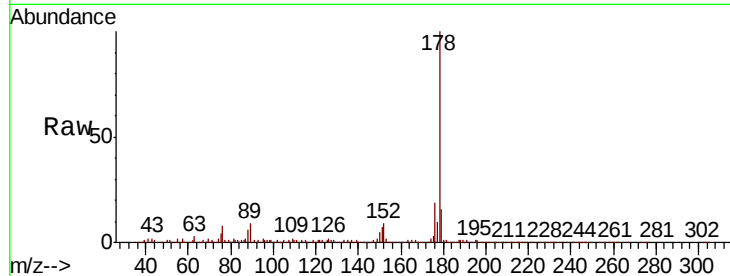
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BEP79

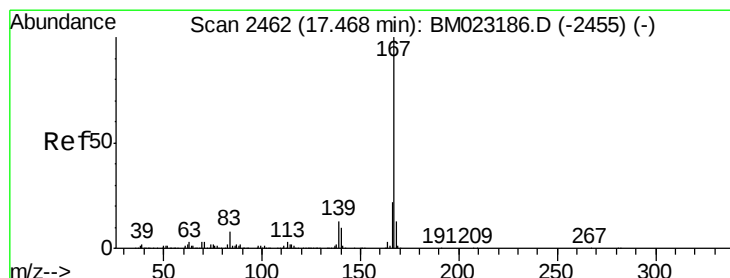
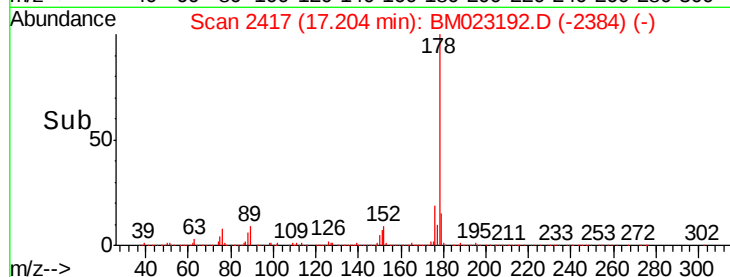
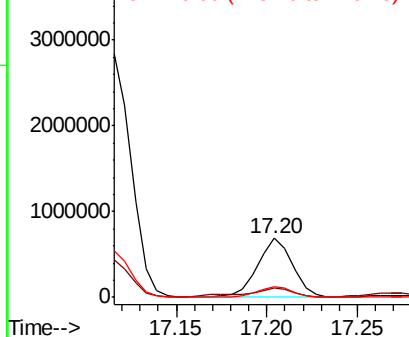
Tot Ion:	178	Resp:	913493
Ion Ratio	Lower	Upper	
178	100		
179	15.6	12.3	18.5
176	18.7	15.0	22.4

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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: 3.141 ng/ul

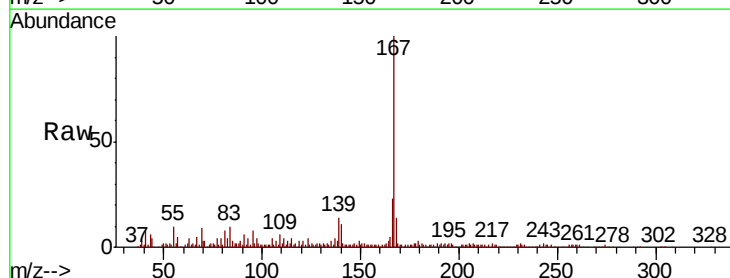
RT: 17.47 min Scan# 2462

Delta R.T. -0.01 min

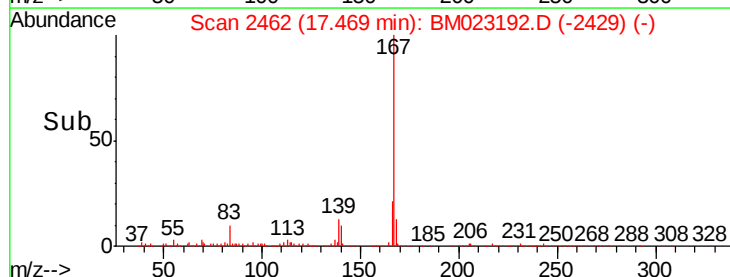
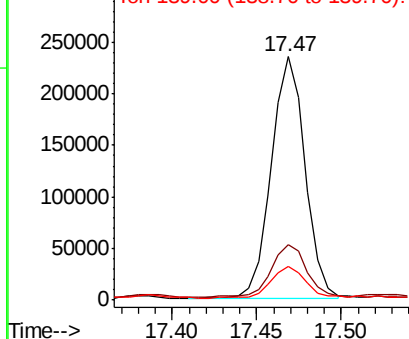
Lab File: BM023192.D

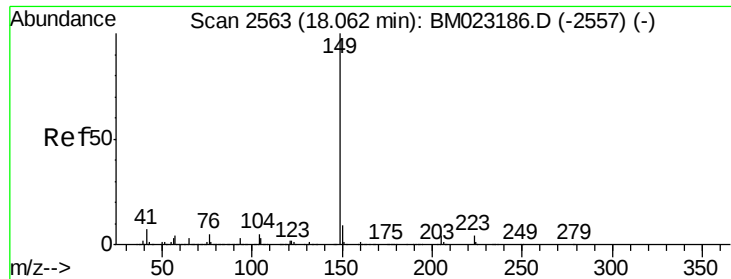
Acq: 16 Oct 2019 13:45

Tgt Ion:	167	Resp:	324968
Ion Ratio	Lower	Upper	
167	100		
166	22.5	17.4	26.0
139	14.1	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





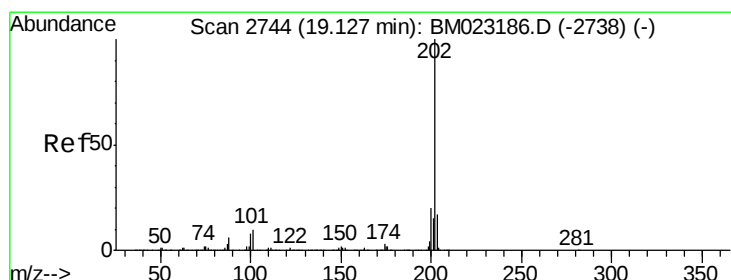
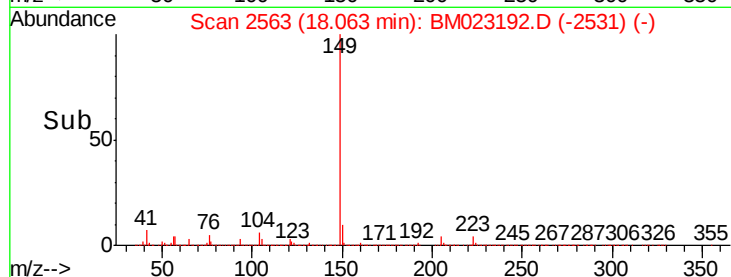
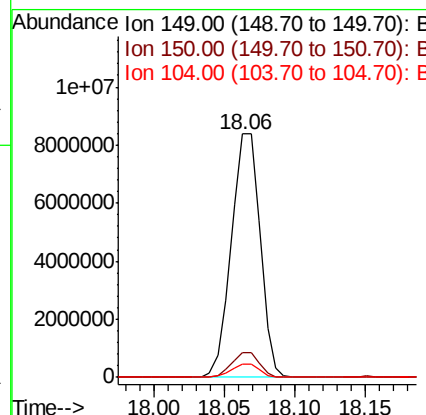
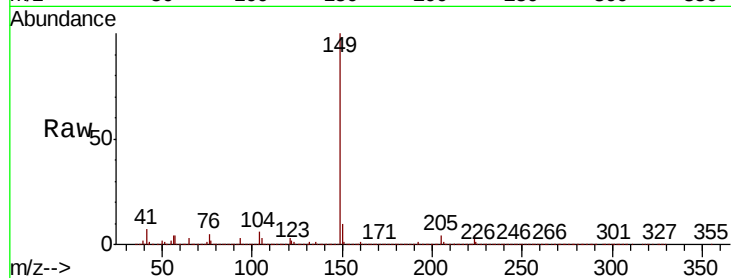
#76
Di-n-butylphthalate
Concen: 96.532 ng/ul
RT: 18.06 min Scan# 2563
Delta R.T. -0.01 min
Lab File: BM023192.D
Acq: 16 Oct 2019 13:45

Instrument :
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ClientSampleId :
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Tot Ion:149 Resp:11885178
Ion Ratio Lower Upper
149 100
150 10.3 7.0 10.4
104 5.5 4.0 6.0

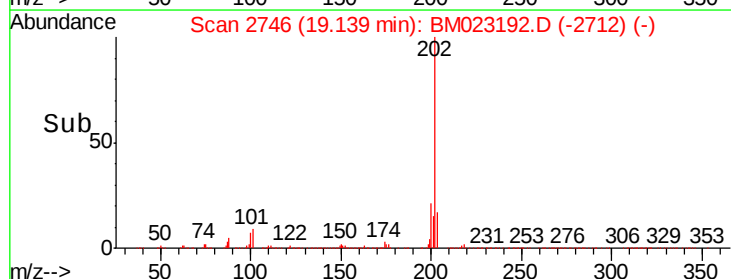
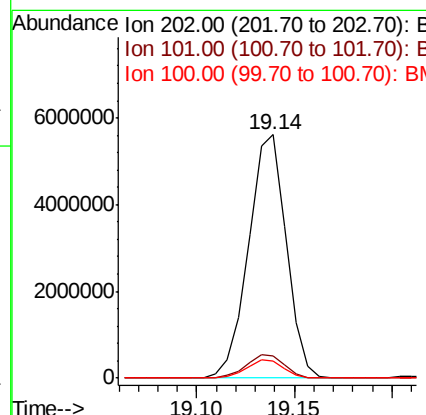
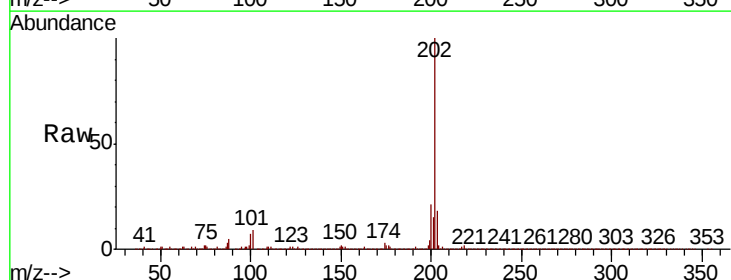
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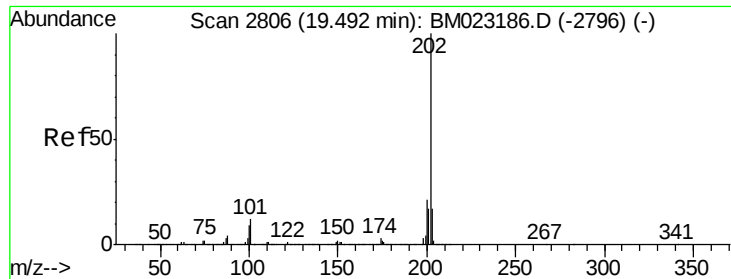
mohammad
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#77
Fluoranthene
Concen: 56.216 ng/ul
RT: 19.14 min Scan# 2746
Delta R.T. 0.00 min
Lab File: BM023192.D
Acq: 16 Oct 2019 13:45

Tgt Ion:202 Resp: 7493037
Ion Ratio Lower Upper
202 100
101 9.2 7.8 11.8
100 7.1 6.1 9.1





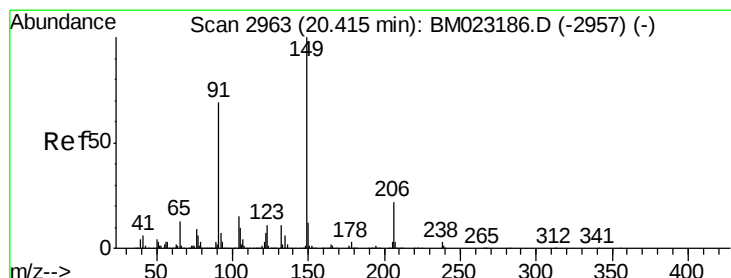
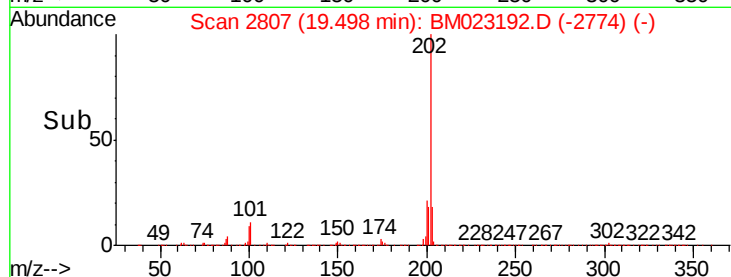
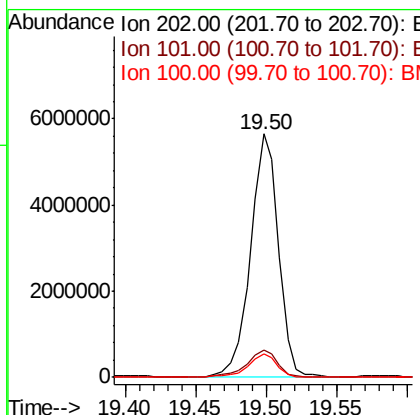
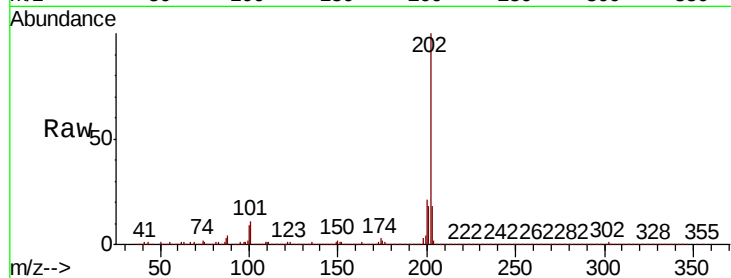
#80
Pvrene
Concen: 76.044 ng/ul
RT: 19.50 min Scan# 2807
Delta R.T. -0.01 min
Lab File: BM023192.D
Acq: 16 Oct 2019 13:45

Instrument :
BNA_M
ClientSampleId :
BEP79

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.3	9.1	13.7
100	9.5	7.5	11.3

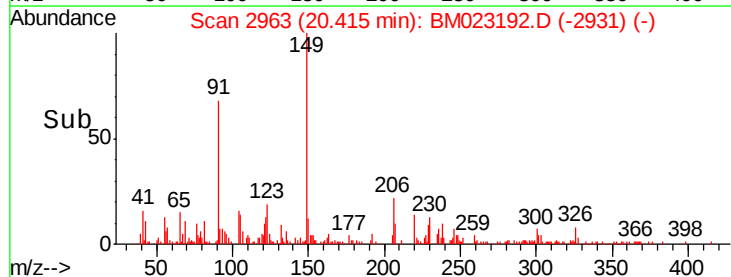
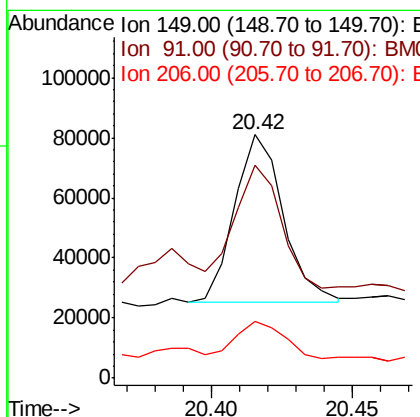
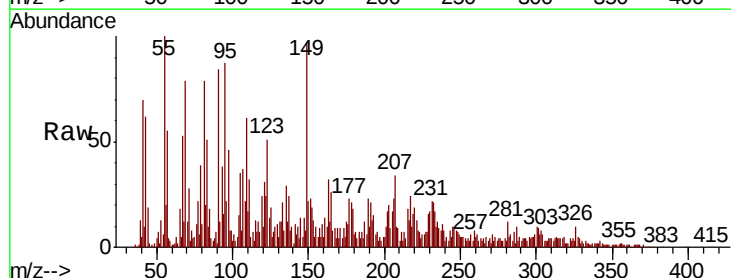
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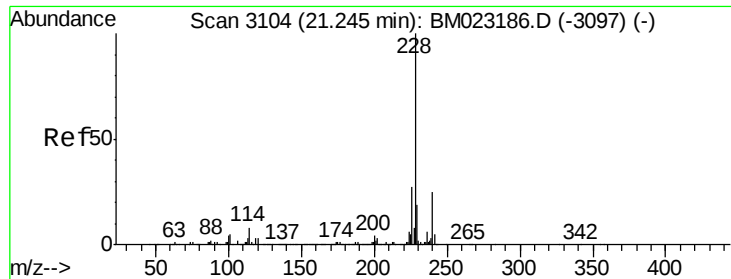
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#81
Butylbenzylphthalate
Concen: 1.874 ng/ul
RT: 20.42 min Scan# 2963
Delta R.T. -0.01 min
Lab File: BM023192.D
Acq: 16 Oct 2019 13:45

Tgt Ion	Ratio	Lower	Upper
149	100		
91	87.2	59.9	89.9
206	23.5	17.1	25.7





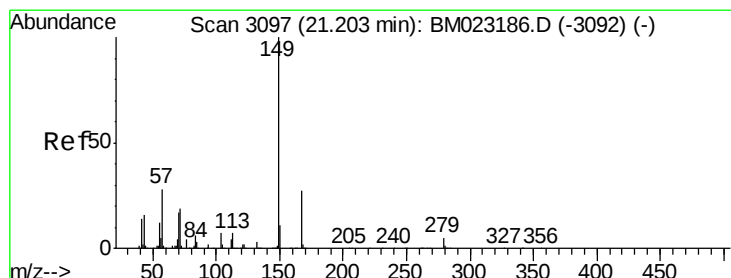
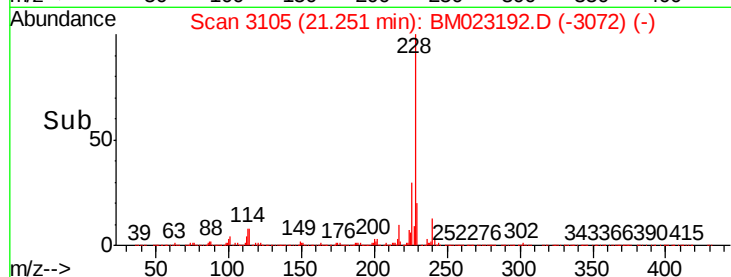
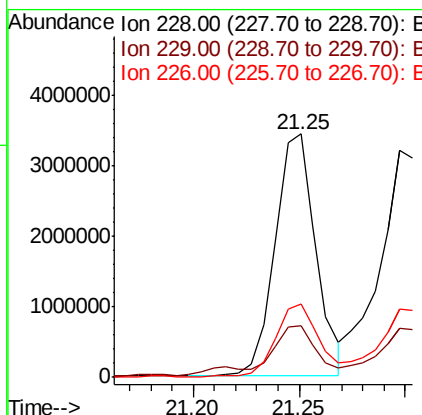
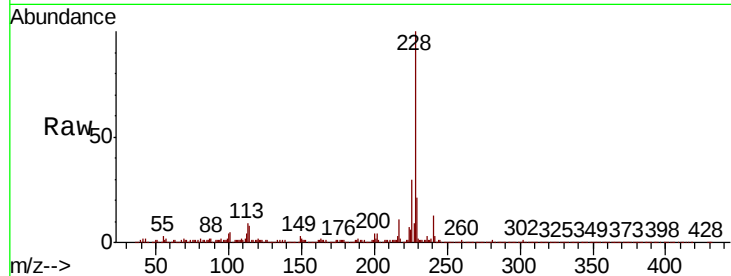
#83
Benzo(a)anthracene
Concen: 41.540 ng/ul
RT: 21.25 min Scan# 3105
Delta R.T. -0.01 min
Lab File: BM023192.D
Acq: 16 Oct 2019 13:45

Instrument :
BNA_M
ClientSampleId :
BEP79

Tot Ion:228 Resp: 4623609
Ion Ratio Lower Upper
228 100
229 21.3 15.7 23.5
226 30.3 21.6 32.4

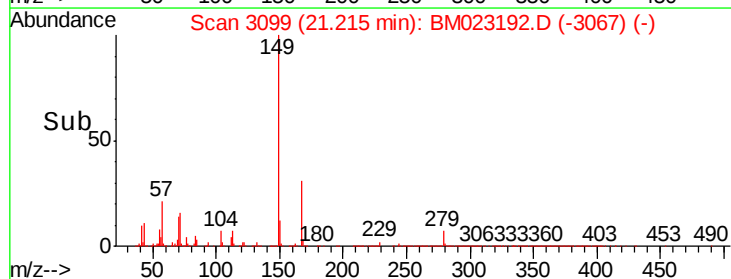
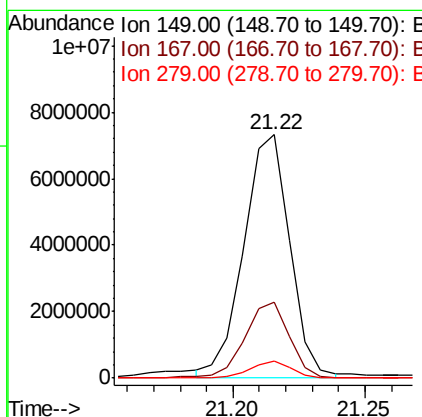
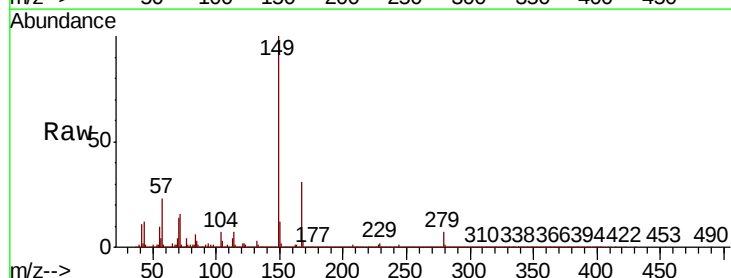
Manual Integrations
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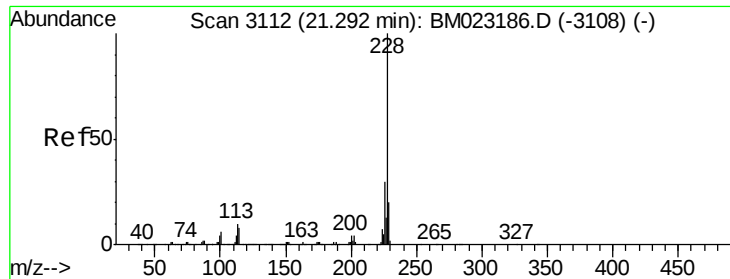
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#84
Bis(2-ethylhexyl)phthalate
Concen: 155.577 ng/ul m
RT: 21.22 min Scan# 3099
Delta R.T. -0.01 min
Lab File: BM023192.D
Acq: 16 Oct 2019 13:45

Tgt Ion:149 Resp: 8854366
Ion Ratio Lower Upper
149 100
167 31.0 22.5 33.7
279 7.1 4.0 6.0#





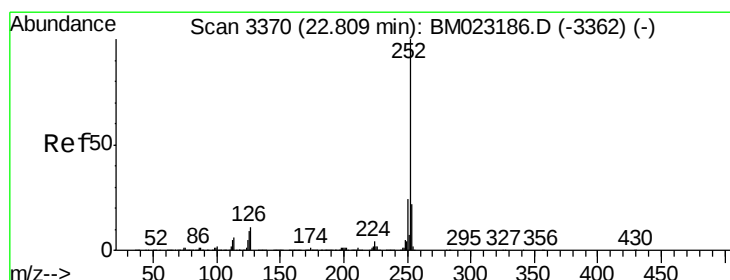
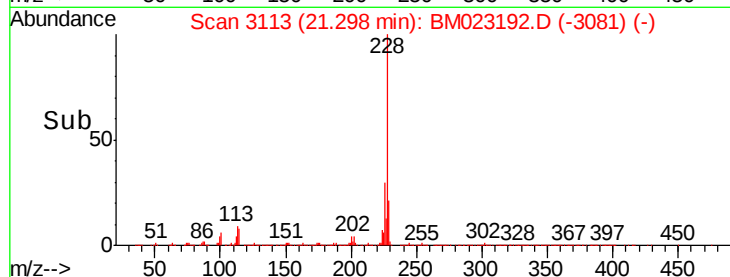
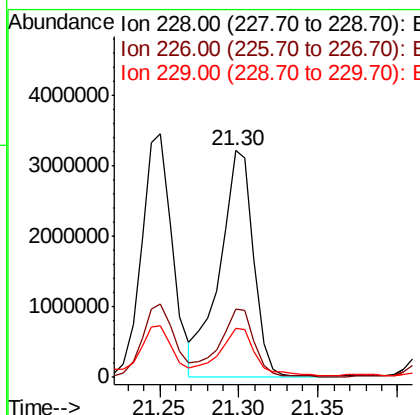
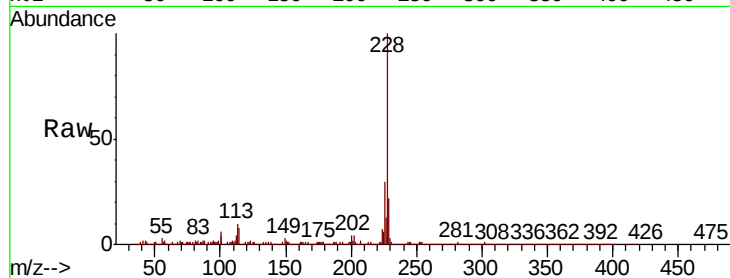
#85
Chrysene
Concen: 45.788 ng/ul
RT: 21.30 min Scan# 3113
Delta R.T. -0.01 min
Lab File: BM023192.D
Acq: 16 Oct 2019 13:45

Instrument :
BNA_M
ClientSampleId :
BEP79

Tot Ion:228 Resp: 4732230
Ion Ratio Lower Upper
228 100
226 30.4 23.8 35.6
229 21.9 15.5 23.3

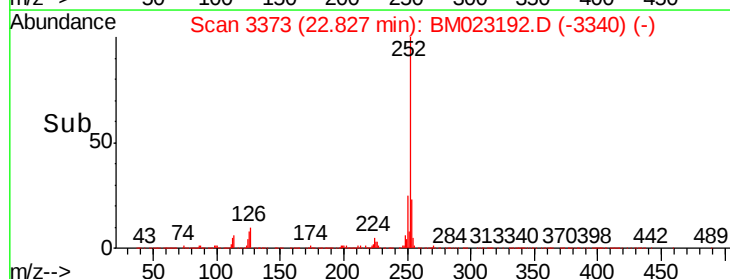
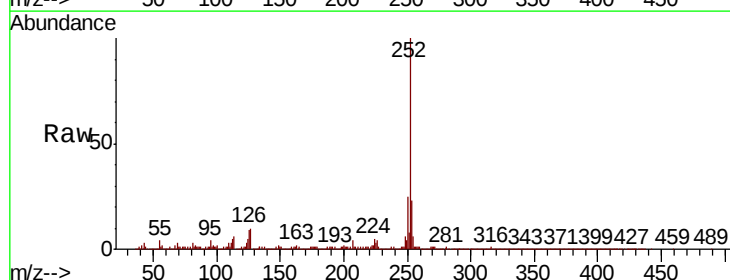
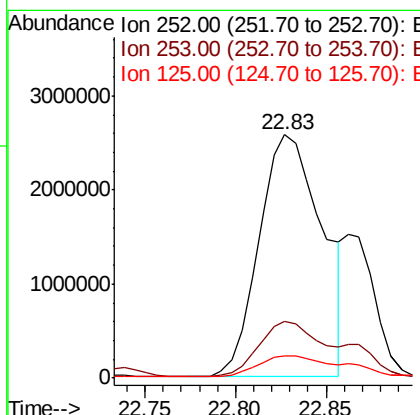
Manual Integrations
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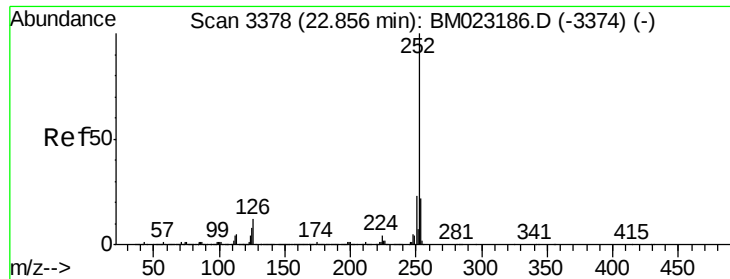
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#88
Benzo(b)fluoranthene
Concen: 50.478 ng/ul
RT: 22.83 min Scan# 3373
Delta R.T. -0.01 min
Lab File: BM023192.D
Acq: 16 Oct 2019 13:45

Tgt Ion:252 Resp: 6244497
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 9.1 6.4 9.6





#89

Benzo(k)fluoranthene

Concen: 15.305 ng/ul

RT: 22.86 min Scan# 3379

Delta R.T. -0.01 min

Lab File: BM023192.D

Acq: 16 Oct 2019 13:45

Instrument :

BNA_M

ClientSampleId :

BEP79

Tot Ion:252 Resp: 1818025

Ion Ratio Lower Upper

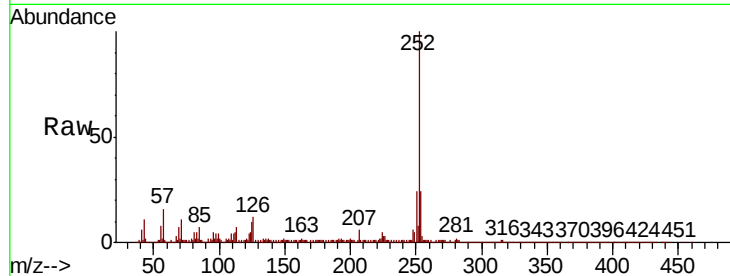
252 100

253 23.5 17.4 26.0

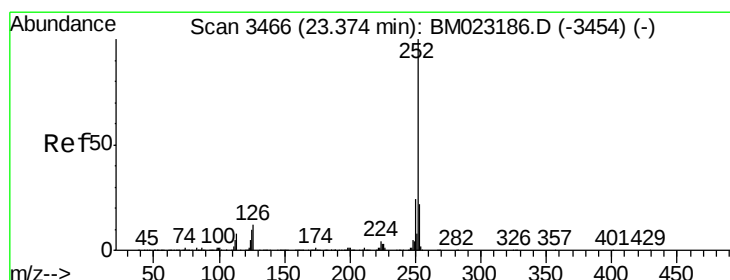
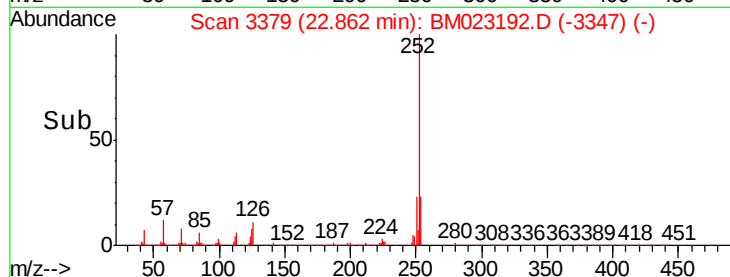
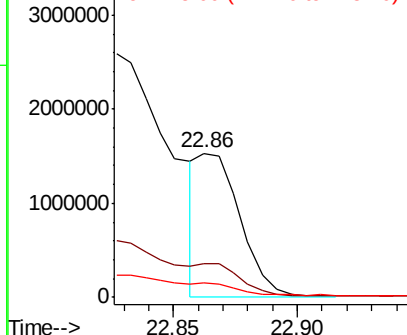
125 9.6 6.5 9.7

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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



#91

Benzo(a)pyrene

Concen: 39.504 ng/ul

RT: 23.39 min Scan# 3469

Delta R.T. -0.01 min

Lab File: BM023192.D

Acq: 16 Oct 2019 13:45

Tgt Ion:252 Resp: 4688626

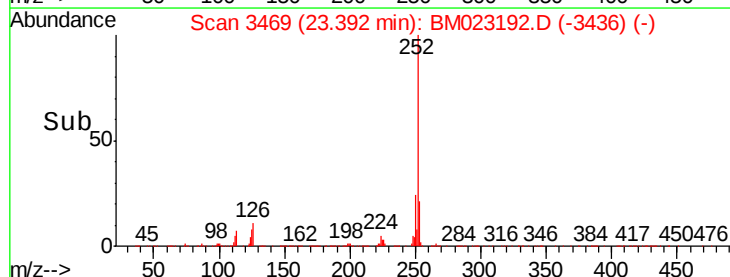
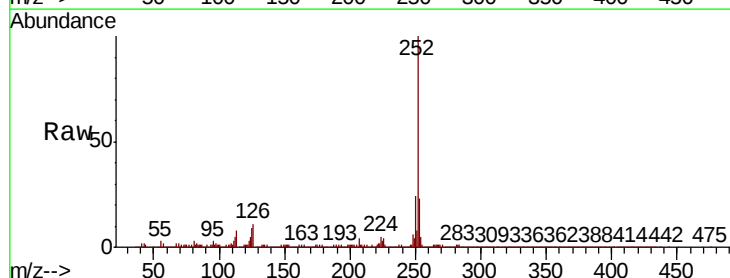
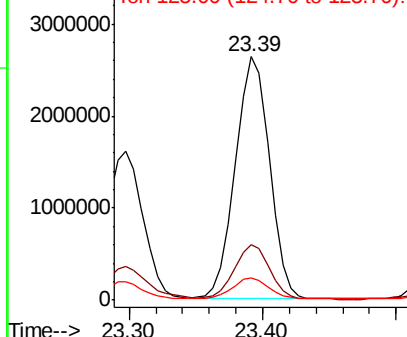
Ion Ratio Lower Upper

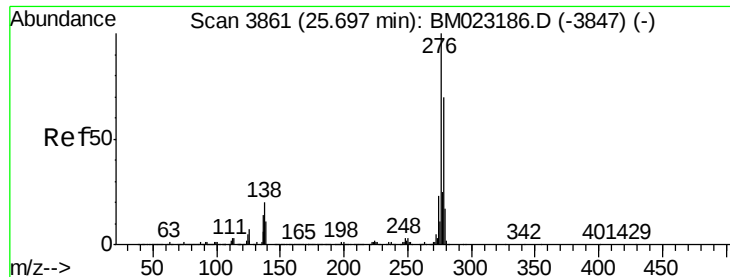
252 100

253 22.8 17.2 25.8

125 9.3 7.4 11.0

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





#92

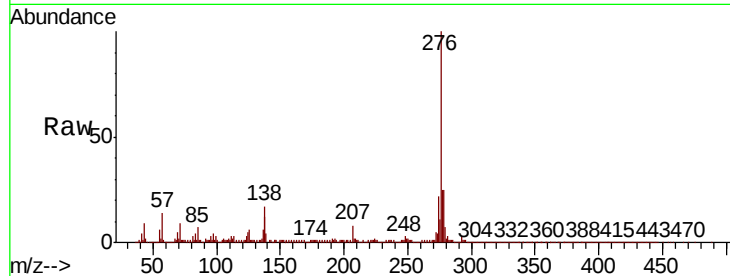
Indeno(1,2,3-cd)pyrene
Concen: 22.456 ng/uL
RT: 25.72 min Scan# 3865
Delta R.T. -0.01 min
Lab File: BM023192.D
Acq: 16 Oct 2019 13:45

Instrument :
BNA_M
ClientSampleId :
BEP79

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.5	14.9	22.3
277	24.6	19.8	29.8

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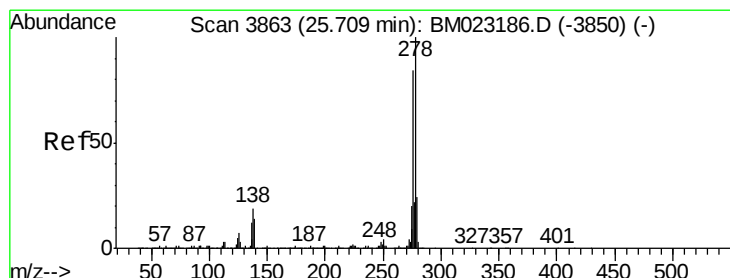
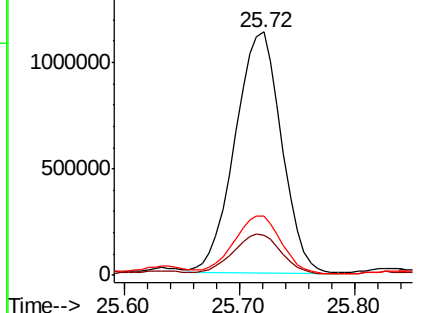
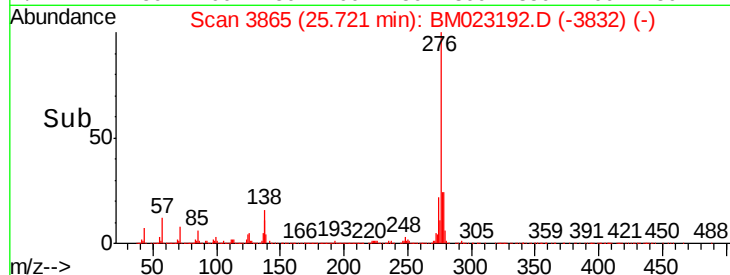


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

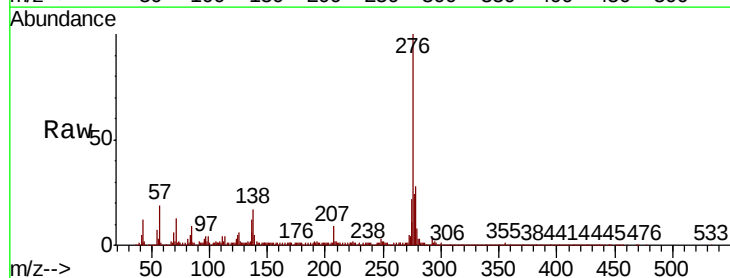
Ion 277.00 (276.70 to 277.70): E



#93

Dibenzo(a,h)anthracene
Concen: 7.399 ng/uL
RT: 25.73 min Scan# 3866
Delta R.T. -0.02 min
Lab File: BM023192.D
Acq: 16 Oct 2019 13:45

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.2	10.0	15.0#
279	26.7	19.4	29.0

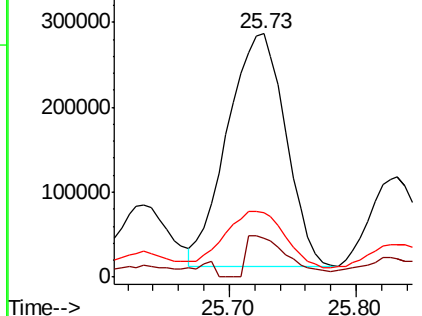
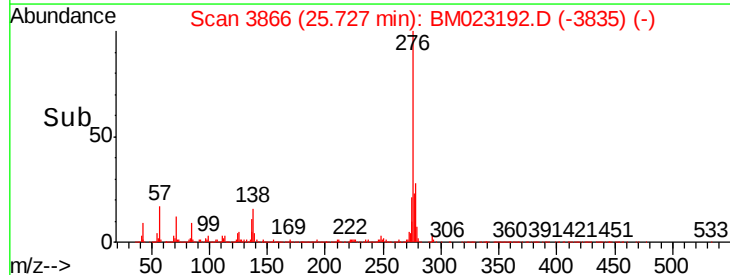


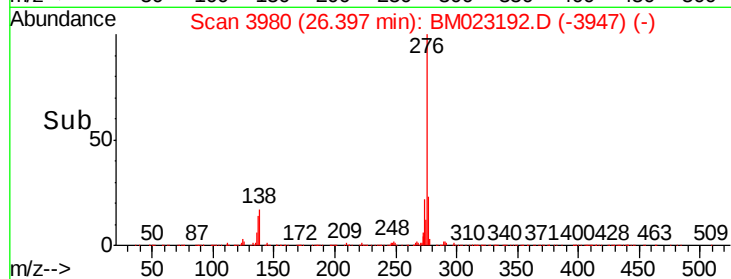
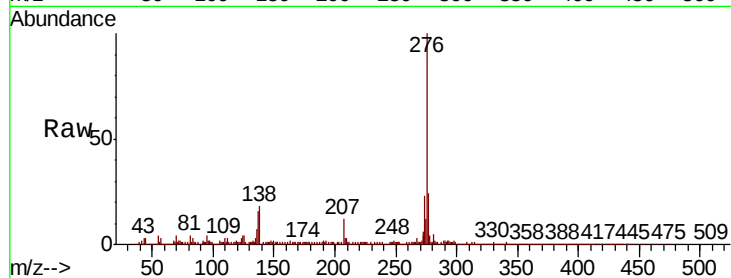
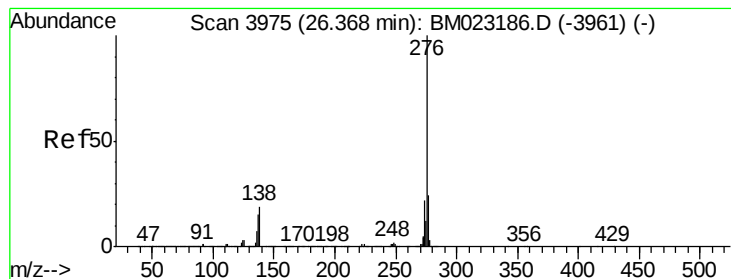
Abundance

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(a,h,i)perylene

Concen: 20.388 ng/ul

RT: 26.40 min Scan# 3980

Delta R.T. -0.01 min

Lab File: BM023192.D

Acq: 16 Oct 2019 13:45

Tot Ion: 276 Resp: 2370095

Ion Ratio Lower Upper

276 100

138 17.6 14.4 21.6

277 24.2 19.4 29.2

Instrument :

BNA_M

ClientSampleId :

BEP79

Manual Integrations

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