

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101519\
 Data File : BM023191.D
 Acq On : 16 Oct 2019 13:09
 Operator : JU
 Sample : K5199-09
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP76

Manual Integrations
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mohammad
 10/17/2019 7:58:27 AM

Quant Time: Oct 16 14:37:26 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	477348	20.00	ng/ul	0.00
18) Naphthalene-d8	10.47	136	2039439	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.33	164	1226499	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	2137520	20.00	ng/ul	0.00
78) Chrysene-d12	21.26	240	1647900	20.00	ng/ul	0.00
86) Perylene-d12	23.48	264	1950970	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	46132	4.25	ng/uL	0.00
5) Phenol-d5	6.86	99	974932	23.45	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	634043	26.96	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	814122	25.59	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	730757	21.88	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	411414	29.82	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	398878	30.36	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	855050	25.59	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	472164	11.62	ng/ul	0.00
44) Dimethylphthalate-d6	13.75	166	2655352	28.25	ng/ul	0.00
47) Acenaphthylene-d8	14.02	160	3205864	29.08	ng/ul	-0.01
52) 4-Nitrophenol-d4	14.52	143	145049	9.53	ng/ul	0.00
58) Fluorene-d10	15.32	176	2272916	28.38	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	15.43	200	156141	18.42	ng/ul	-0.01
71) Anthracene-d10	17.17	188	3054955	29.64	ng/ul	-0.01
79) Pyrene-d10	19.47	212	2874737	36.02	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.34	264	3071487	31.06	ng/ul	-0.01

Target Compounds

					Ovalue
6) Phenol	6.88	94	51009	1.190 ng/ul	94
45) Dimethylphthalate	13.79	163	716021	7.611 ng/ul	100
48) Acenaphthylene	14.05	152	171304	1.520 ng/ul	99
50) Acenaphthene	14.39	153	130504	1.663 ng/ul	97
59) Fluorene	15.38	166	158447	1.733 ng/ul	97
70) Phenanthrene	17.12	178	3067621	25.572 ng/ul	99
72) Anthracene	17.20	178	627105	5.059 ng/ul	98
75) Carbazole	17.47	167	274428	2.478 ng/ul	96
76) Di-n-butylphthalate	18.06	149	864680	6.561 ng/ul	98
77) Fluoranthene	19.13	202	6313767	44.256 ng/ul	99
80) Pyrene	19.50	202	6161317	59.683 ng/ul	100
81) Butylbenzylphthalate	20.42	149	43611	1.215 ng/ul#	90
83) Benzo(a)anthracene	21.24	228	3327545	29.801 ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.21	149	6476553	113.439 ng/ul	97
85) Chrysene	21.30	228	3401375	32.807 ng/ul	97
88) Benzo(b)fluoranthene	22.82	252	4731429	39.999 ng/ul	98
89) Benzo(k)fluoranthene	22.86	252	1377877m	12.131 ng/ul	
91) Benzo(a)pyrene	23.39	252	3360058	29.608 ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.71	276	2440756	18.079 ng/ul	98
93) Dibenzo(a,h)anthracene	25.72	278	657642	5.826 ng/ul#	87
94) Benzo(a,h,i)perylene	26.39	276	2374833	21.365 ng/ul	99

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ALS Vial : 36 Sample Multiplier: 1

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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)

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

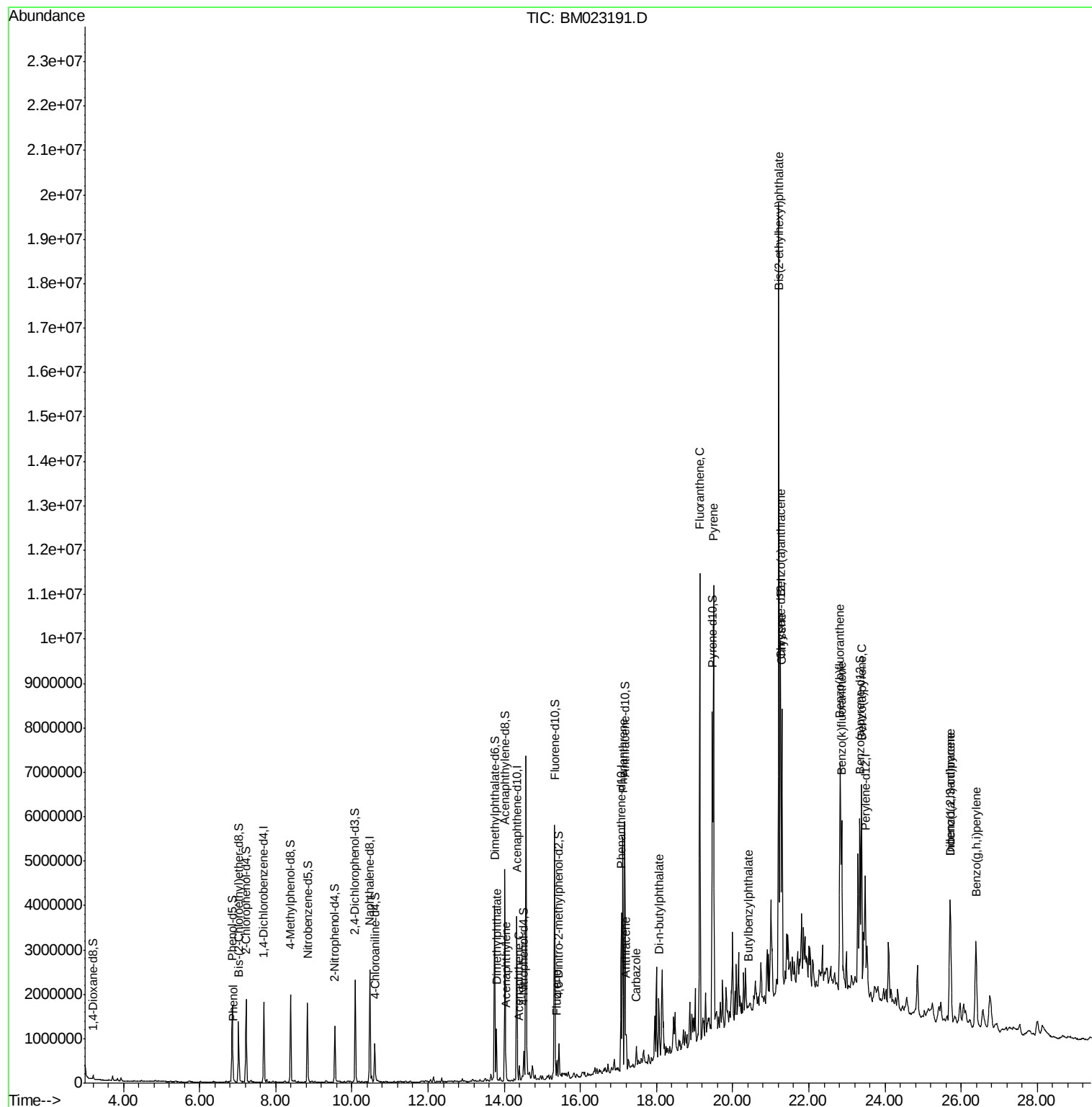
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101519\
Data File : BM023191.D
Acq On : 16 Oct 2019 13:09
Operator : JU
Sample : K5199-09
Misc :
ALS Vial : 36 Sample Multiplier: 1

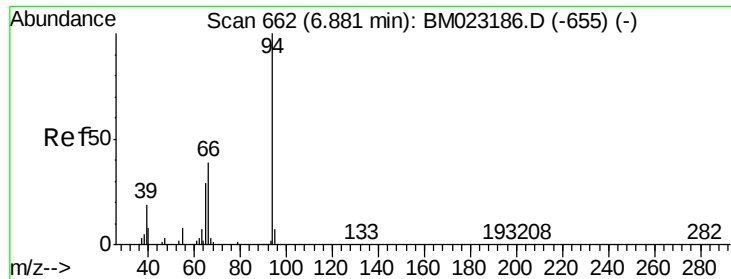
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#6

Phenol

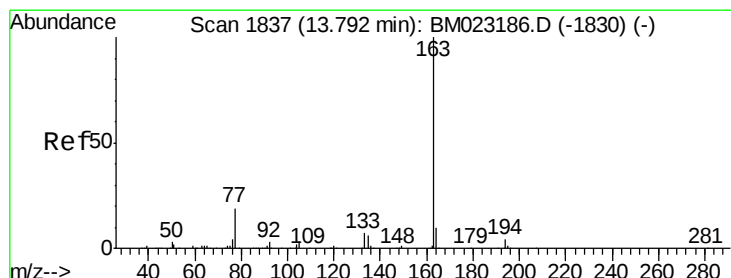
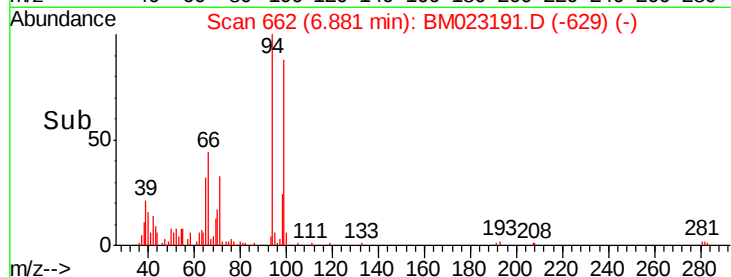
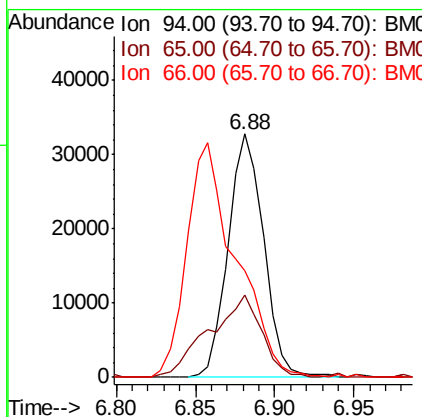
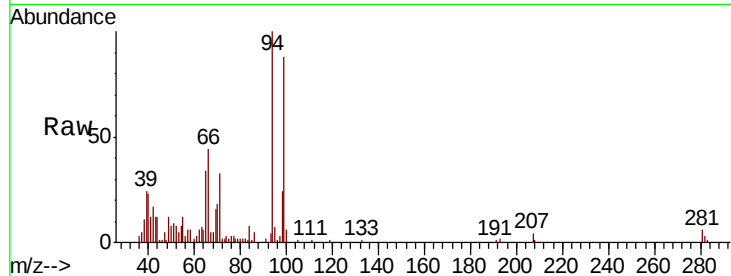
Concen: 1.190 ng/ul
 RT: 6.88 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: BM023191.D
 Acq: 16 Oct 2019 13:09

Instrument :
 BNA_M
 ClientSampleId :
 BEP76

Tot Ion	Ratio	Lower	Upper
94	100		
65	34.0	23.7	35.5
66	43.9	32.9	49.3

Manual Integrations
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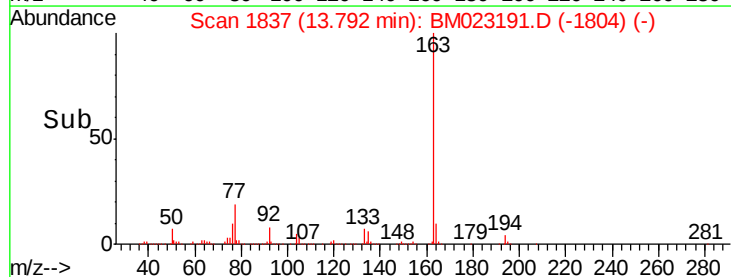
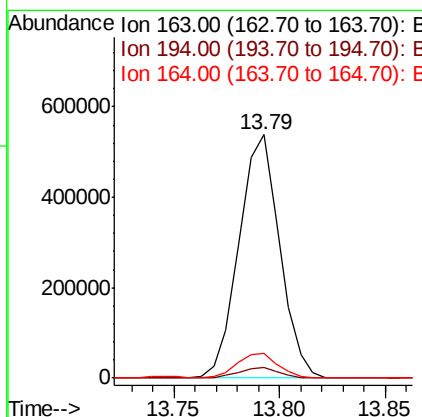
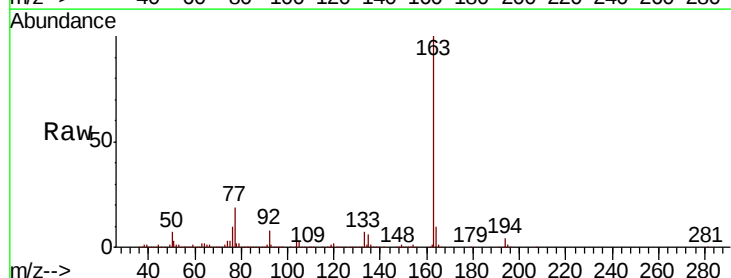


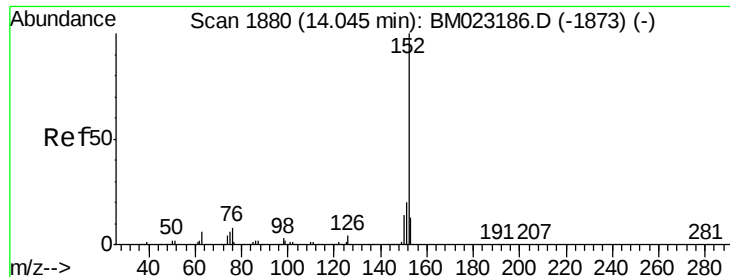
#45

Dimethylphthalate

Concen: 7.611 ng/ul
 RT: 13.79 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BM023191.D
 Acq: 16 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.5	5.3
164	10.1	8.0	12.0





#48

Acenaphthylene

Concen: 1.520 ng/ul

RT: 14.05 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BM023191.D

Acq: 16 Oct 2019 13:09

Instrument :

BNA_M

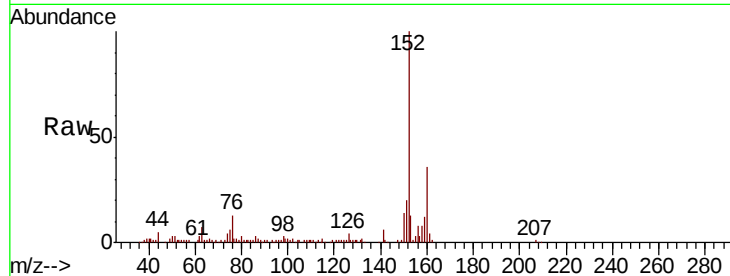
ClientSampled :

BEP76

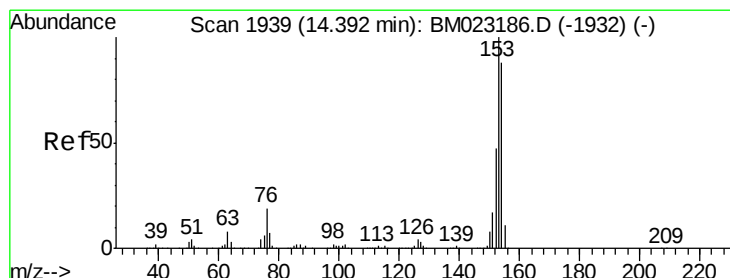
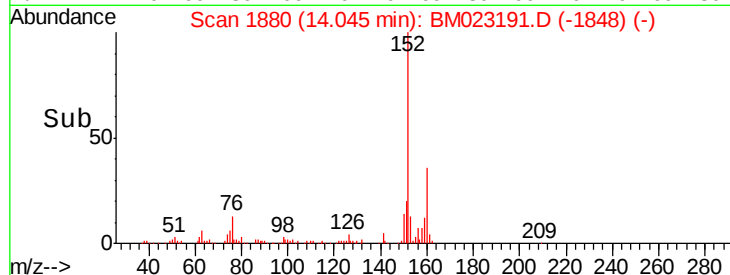
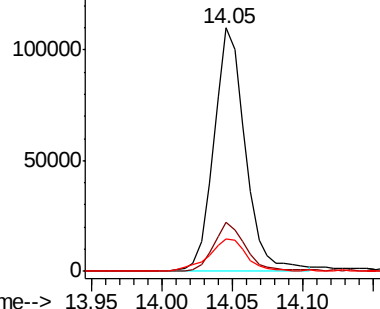
Tot Ion:	152	Resp:	171304
Ion Ratio	Lower	Upper	
152	100		
151	20.0	15.8	23.6
153	13.5	10.3	15.5

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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



#50

Acenaphthene

Concen: 1.663 ng/ul

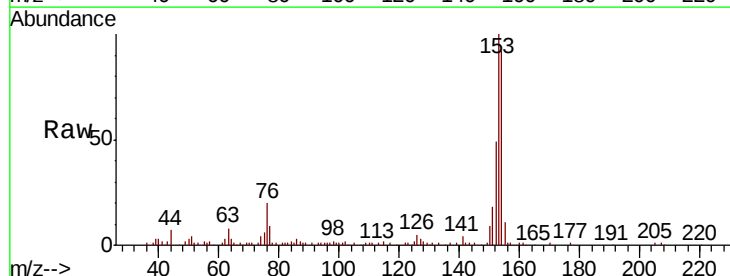
RT: 14.39 min Scan# 1939

Delta R.T. -0.01 min

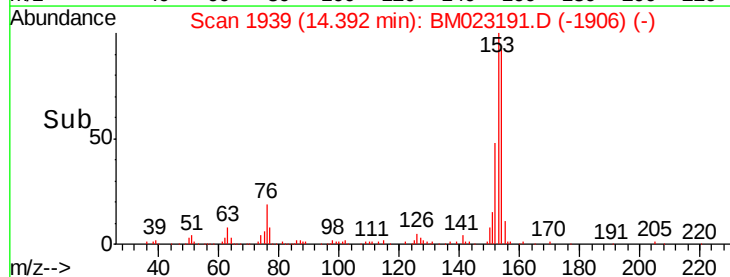
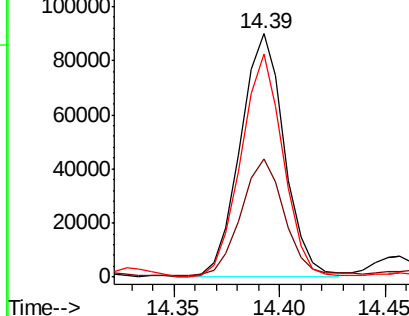
Lab File: BM023191.D

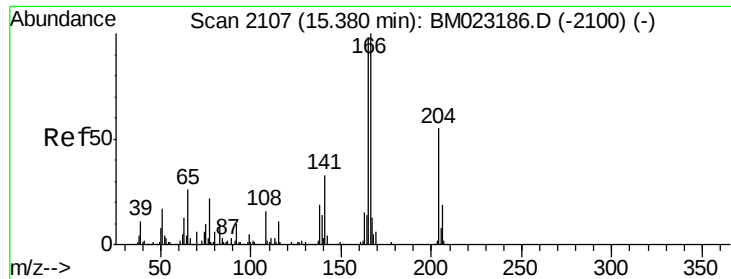
Acq: 16 Oct 2019 13:09

Tgt Ion:	153	Resp:	130504
Ion Ratio	Lower	Upper	
153	100		
152	48.6	38.0	57.0
154	91.6	70.4	105.6



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





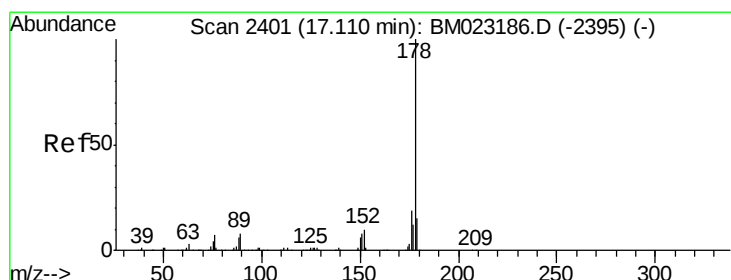
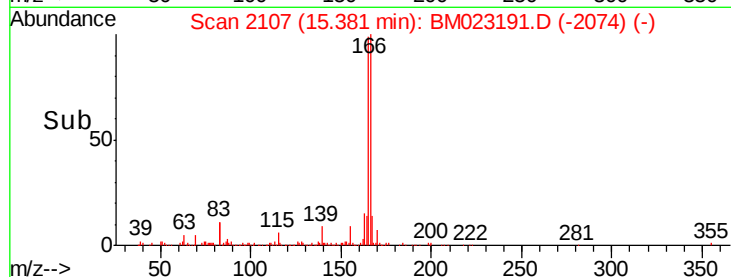
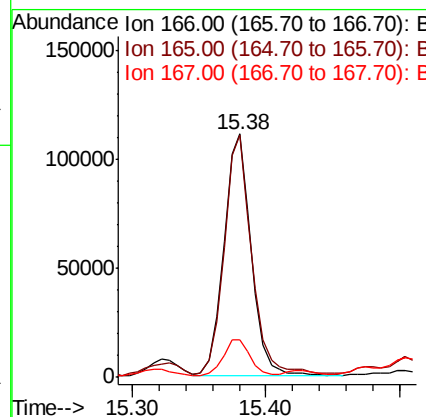
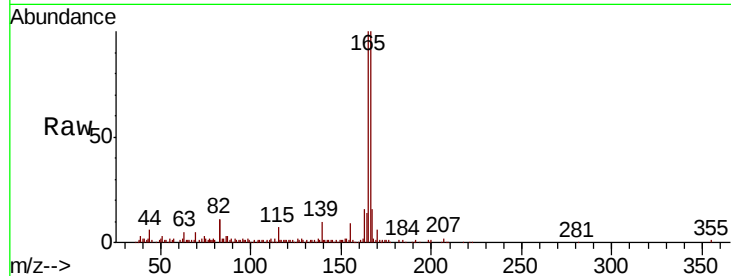
#59
Fluorene
 Concen: 1.733 ng/ul
 RT: 15.38 min Scan# 2107
 Delta R.T. -0.01 min
 Lab File: BM023191.D
 Acq: 16 Oct 2019 13:09

Instrument :
 BNA_M
 ClientSampleId :
 BEP76

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.6	77.4	116.0
167	15.6	10.8	16.2

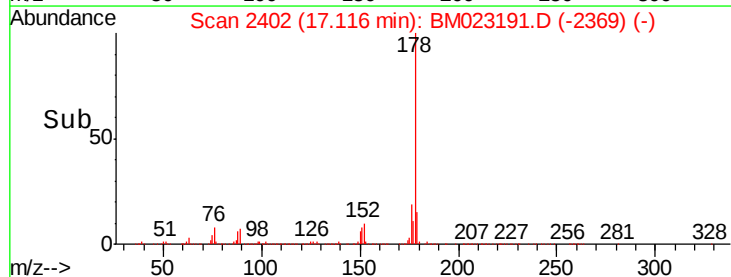
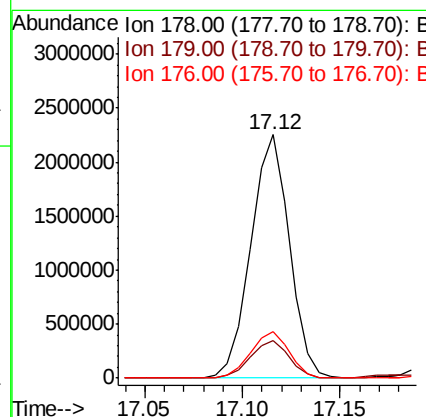
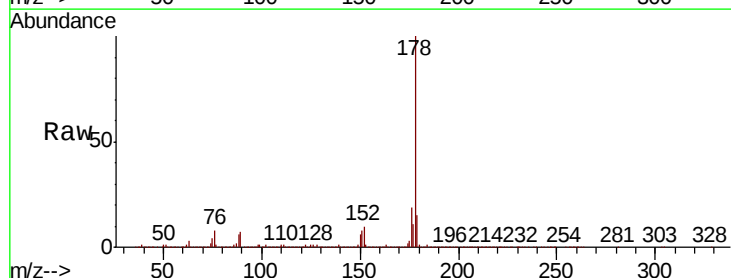
Manual Integrations
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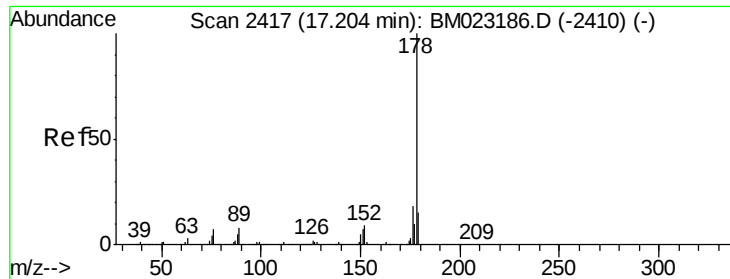
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#70
Phenanthrene
 Concen: 25.572 ng/ul
 RT: 17.12 min Scan# 2402
 Delta R.T. -0.01 min
 Lab File: BM023191.D
 Acq: 16 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	18.9	15.5	23.3





#72

Anthracene

Concen: 5.059 ng/ul

RT: 17.20 min Scan# 2417

Delta R.T. -0.01 min

Lab File: BM023191.D

Acq: 16 Oct 2019 13:09

Instrument :

BNA_M

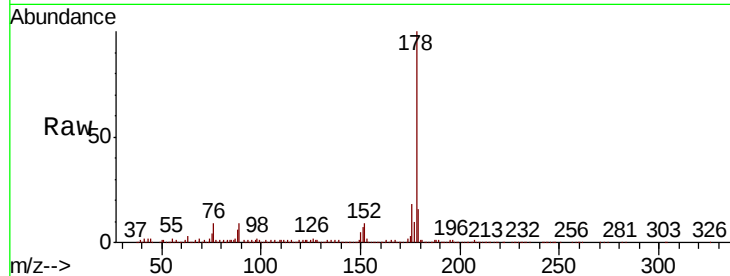
ClientSampleId :

BEP76

Tot Ion:	178	Resp:	627105
Ion Ratio	Lower	Upper	
178	100		
179	15.9	12.3	18.5
176	17.8	15.0	22.4

Manual Integrations
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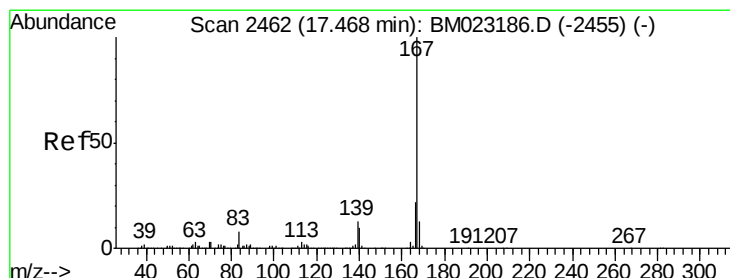
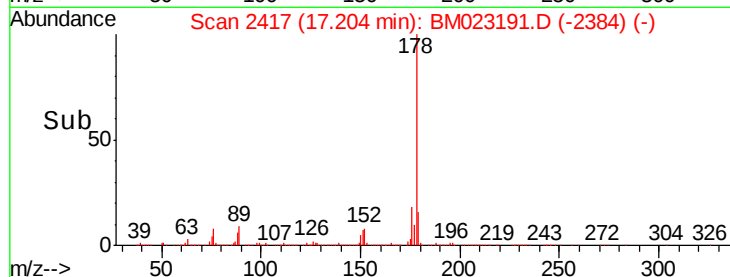
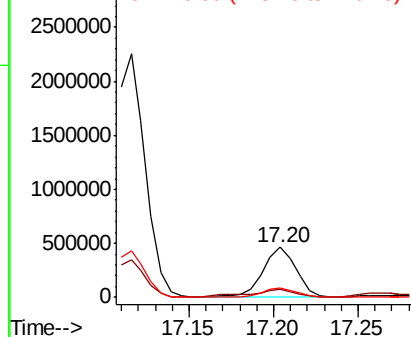


Abundance

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



#75

Carbazole

Concen: 2.478 ng/ul

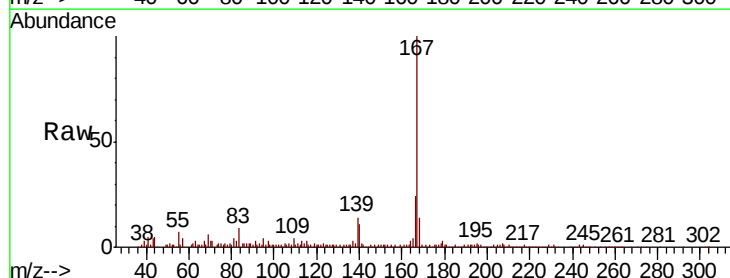
RT: 17.47 min Scan# 2462

Delta R.T. -0.01 min

Lab File: BM023191.D

Acq: 16 Oct 2019 13:09

Tgt Ion:	167	Resp:	274428
Ion Ratio	Lower	Upper	
167	100		
166	23.5	17.4	26.0
139	13.9	10.2	15.2

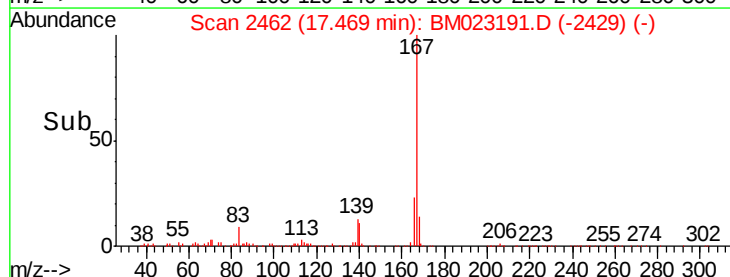
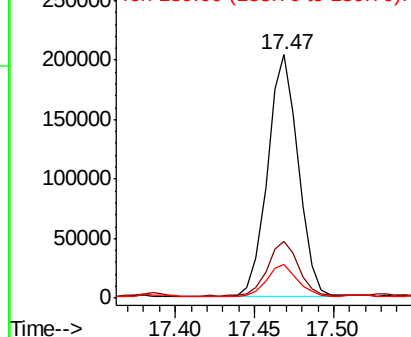


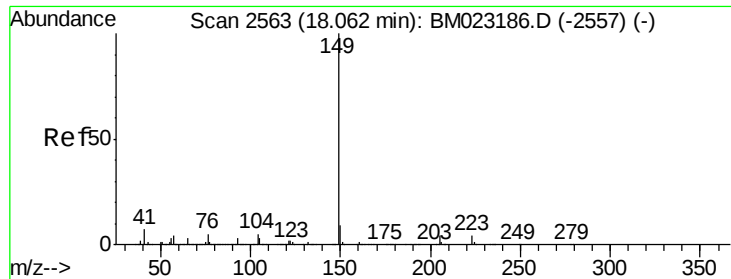
Abundance

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





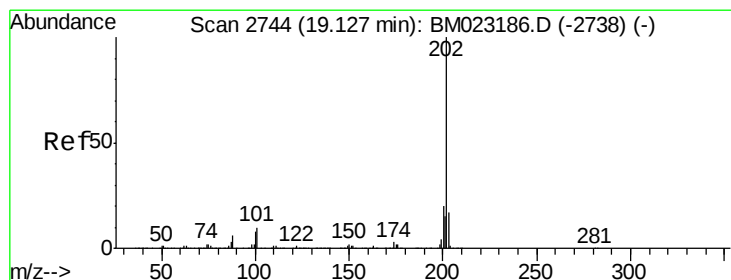
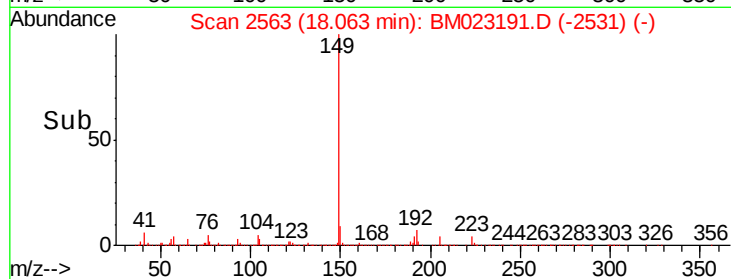
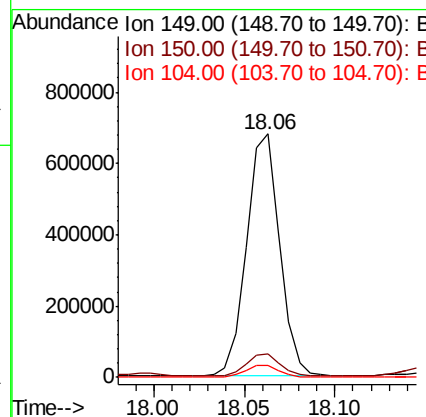
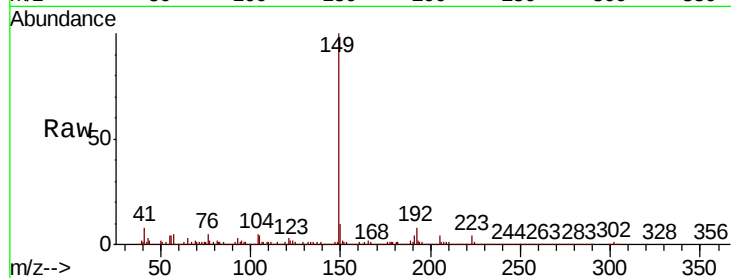
#76
Di-n-butylphthalate
Concen: 6.561 ng/ul
RT: 18.06 min Scan# 2563
Delta R.T. -0.01 min
Lab File: BM023191.D
Acq: 16 Oct 2019 13:09

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
149	100			
150	9.7	7.0	10.4	
104	4.9	4.0	6.0	

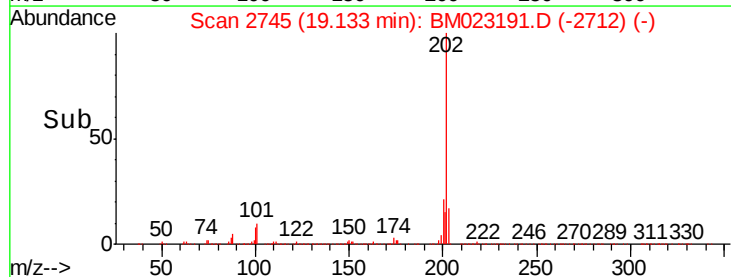
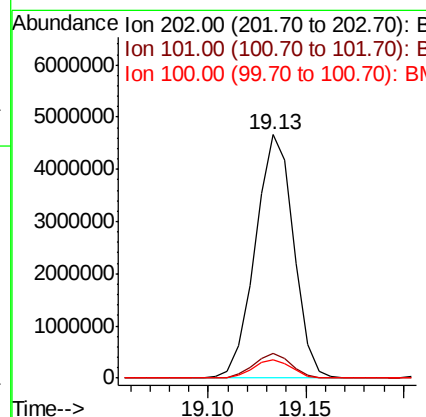
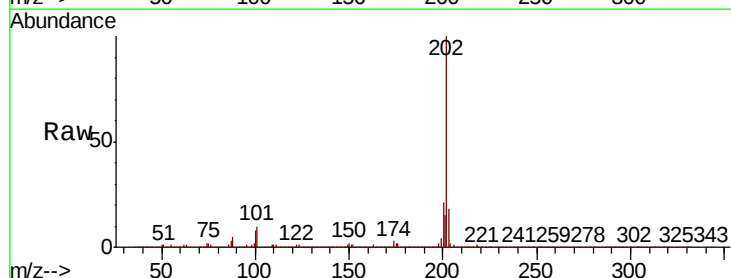
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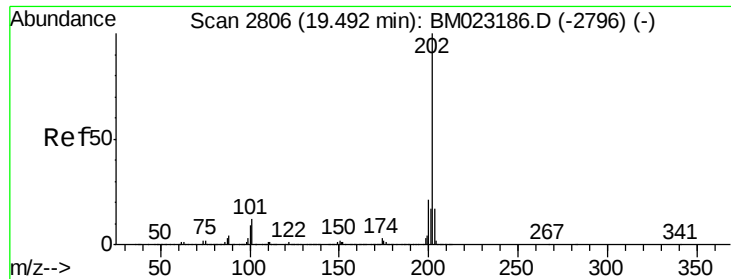
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#77
Fluoranthene
Concen: 44.256 ng/ul
RT: 19.13 min Scan# 2745
Delta R.T. -0.01 min
Lab File: BM023191.D
Acq: 16 Oct 2019 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	10.0	7.8	11.8	
100	7.8	6.1	9.1	





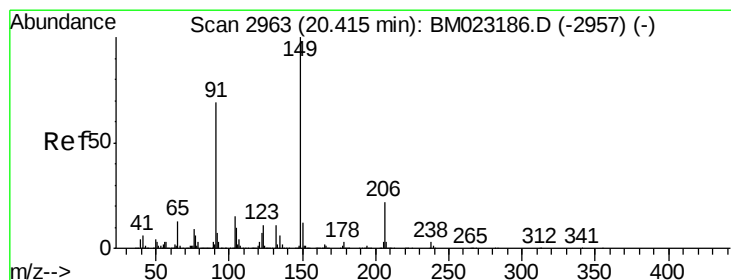
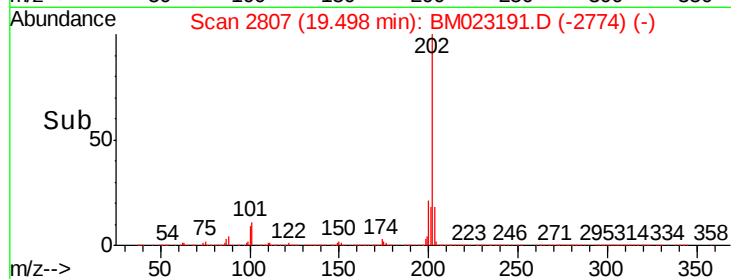
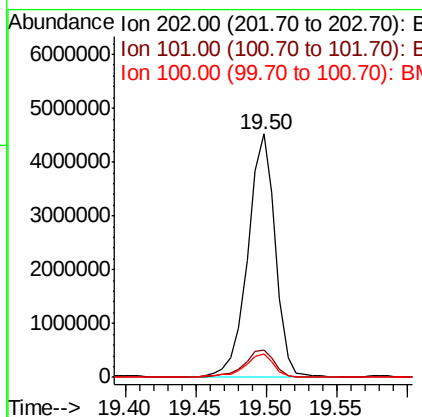
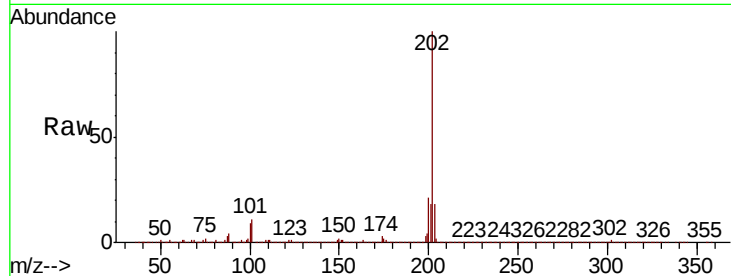
#80
Pvrene
Concen: 59.683 ng/ul
RT: 19.50 min Scan# 2807
Delta R.T. -0.01 min
Lab File: BM023191.D
Acq: 16 Oct 2019 13:09

Instrument :
BNA_M
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.1	13.7
100	9.5	7.5	11.3

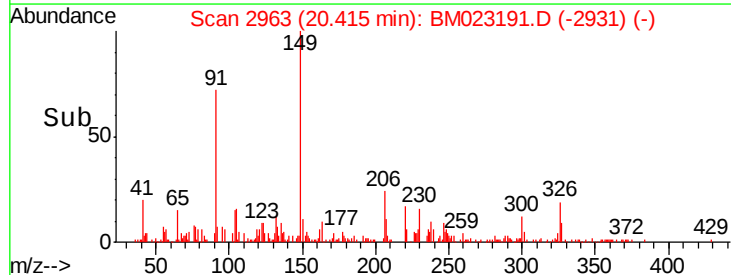
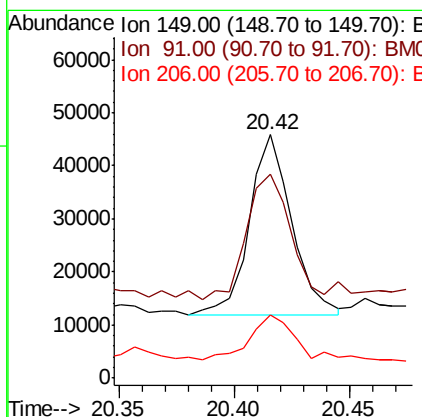
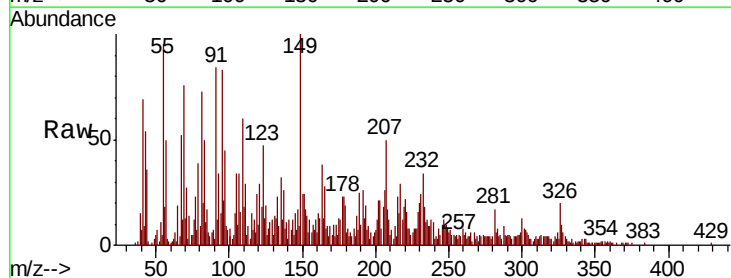
Manual Integrations
APPROVED

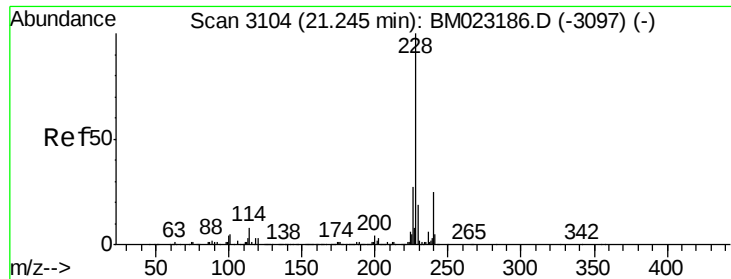
mohammad
10/17/2019 7:58:27 AM



#81
Butylbenzylphthalate
Concen: 1.215 ng/ul
RT: 20.42 min Scan# 2963
Delta R.T. -0.01 min
Lab File: BM023191.D
Acq: 16 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
149	100		
91	83.6	59.9	89.9
206	25.7	17.1	25.7#





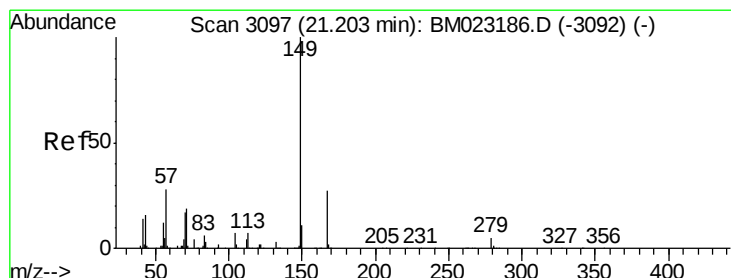
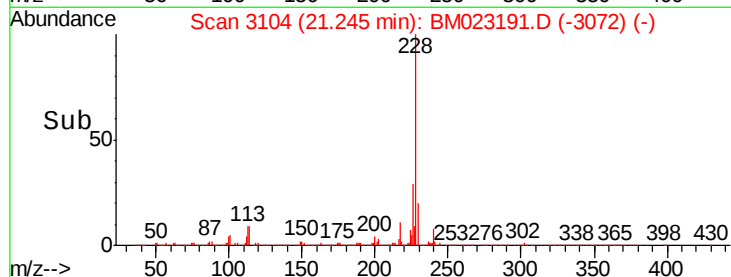
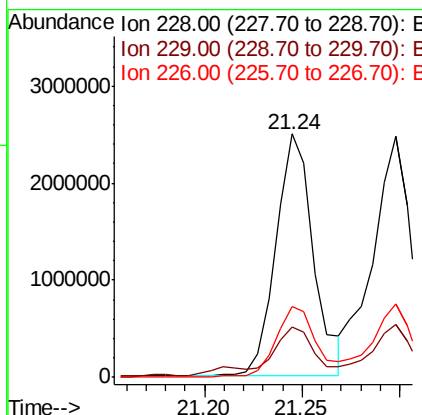
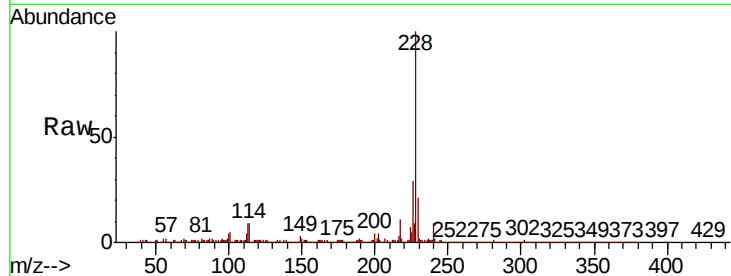
#83
Benzo(a)anthracene
Concen: 29.801 ng/uL
RT: 21.24 min Scan# 3104
Delta R.T. -0.01 min
Lab File: BM023191.D
Acq: 16 Oct 2019 13:09

Instrument :
BNA_M
ClientSampleId :
BEP76

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.7	23.5
226	29.2	21.6	32.4

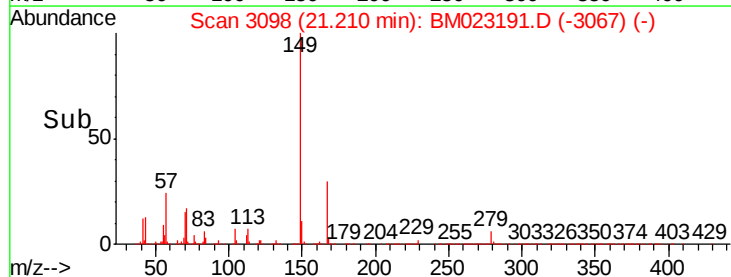
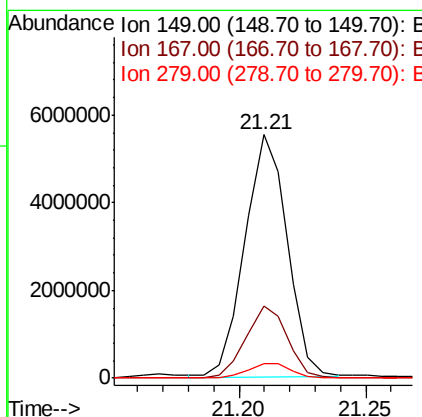
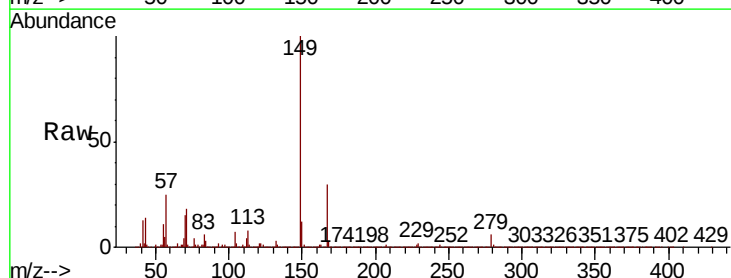
Manual Integrations
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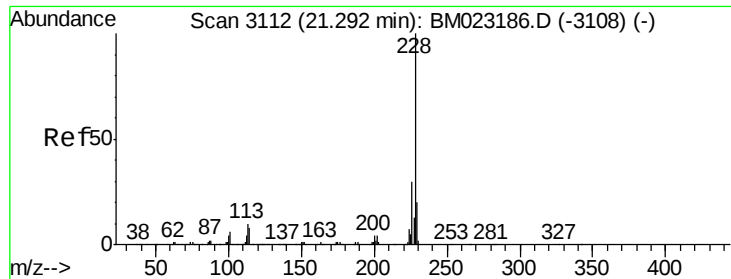
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 113.439 ng/uL
RT: 21.21 min Scan# 3098
Delta R.T. -0.02 min
Lab File: BM023191.D
Acq: 16 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.5	22.5	33.7
279	6.0	4.0	6.0





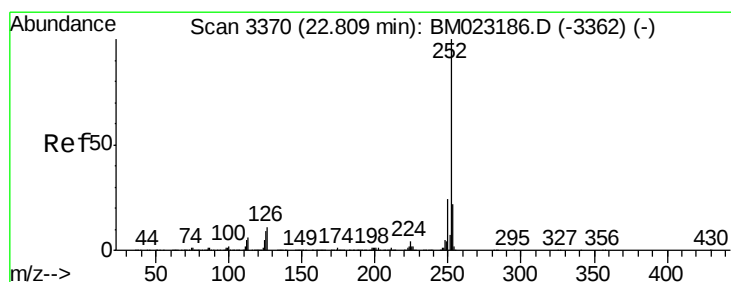
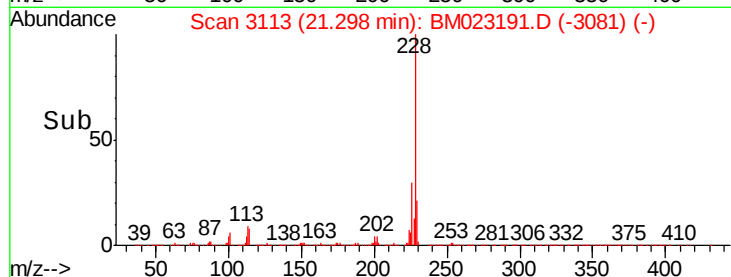
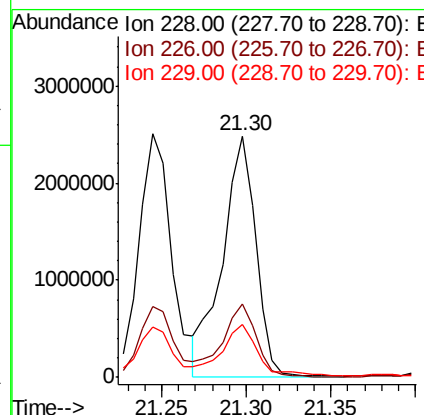
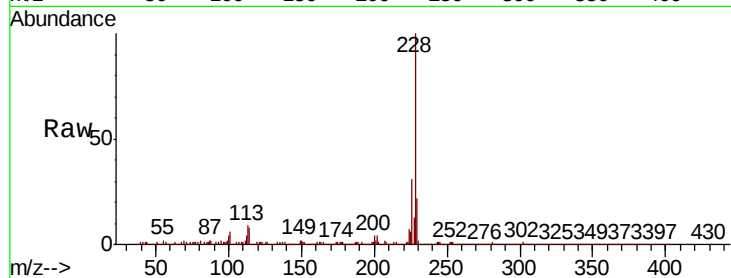
#85
Chrysene
Concen: 32.807 ng/ul
RT: 21.30 min Scan# 3113
Delta R.T. -0.01 min
Lab File: BM023191.D
Acq: 16 Oct 2019 13:09

Instrument :
BNA_M
ClientSampleId :
BEP76

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.8	35.6
229	21.9	15.5	23.3

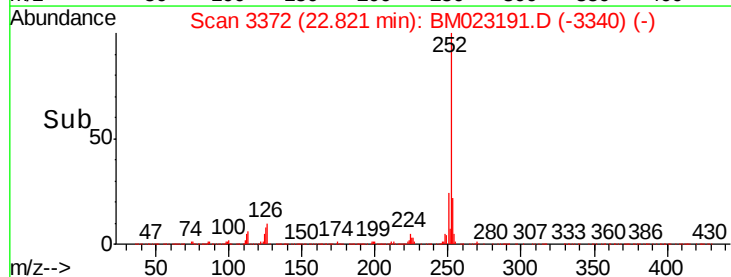
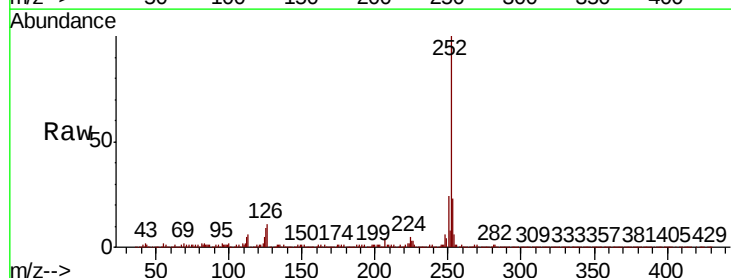
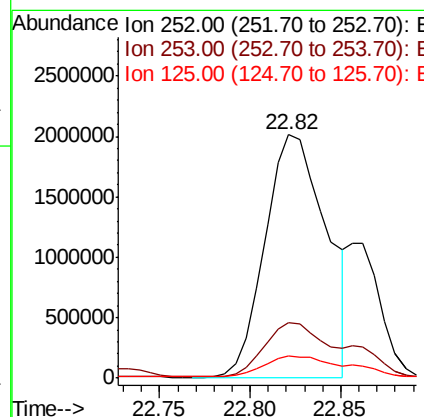
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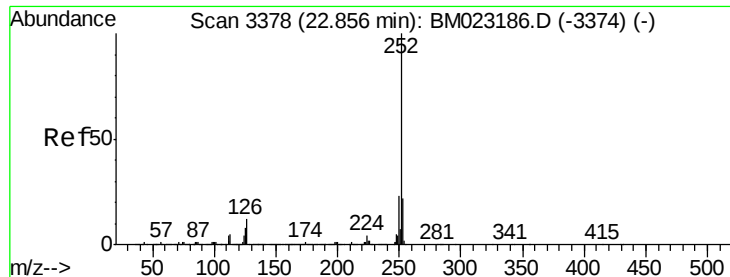
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#88
Benzo(b)fluoranthene
Concen: 39.999 ng/ul
RT: 22.82 min Scan# 3372
Delta R.T. -0.01 min
Lab File: BM023191.D
Acq: 16 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.6	26.4
125	9.0	6.4	9.6





#89

Benzo(k)fluoranthene

Concen: 12.131 ng/ul

RT: 22.86 min Scan# 3378

Delta R.T. -0.02 min

Lab File: BM023191.D

Acq: 16 Oct 2019 13:09

Instrument :

BNA_M

ClientSampleId :

BEP76

Tot Ion:252 Resp: 1377877

Ion Ratio Lower Upper

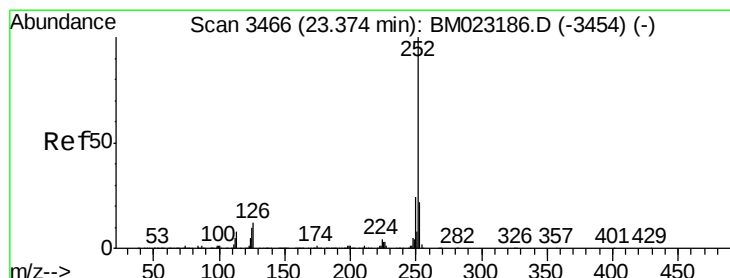
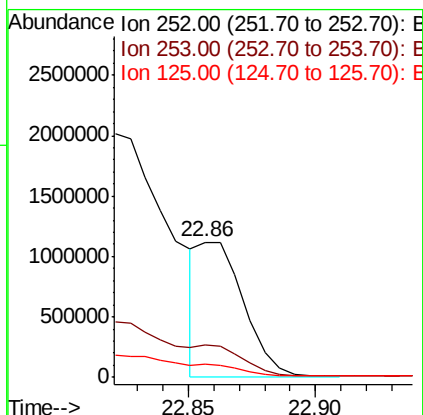
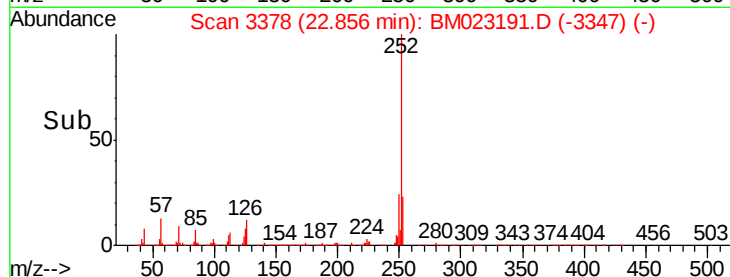
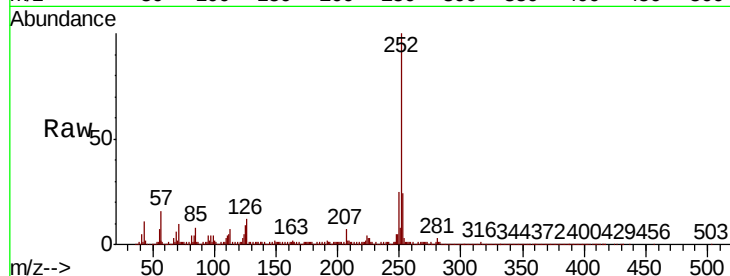
252 100

253 23.6 17.4 26.0

125 9.4 6.5 9.7

Manual Integrations
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#91

Benzo(a)pyrene

Concen: 29.608 ng/ul

RT: 23.39 min Scan# 3468

Delta R.T. -0.01 min

Lab File: BM023191.D

Acq: 16 Oct 2019 13:09

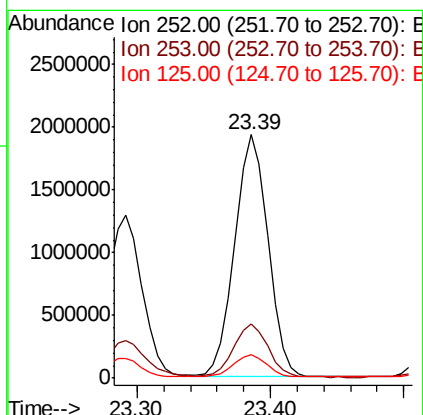
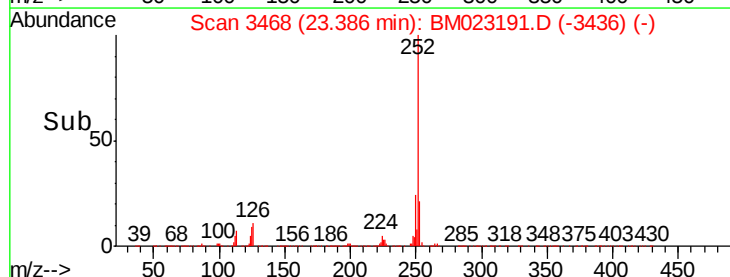
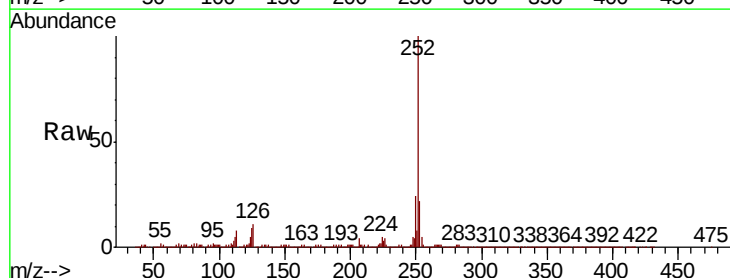
Tgt Ion:252 Resp: 3360058

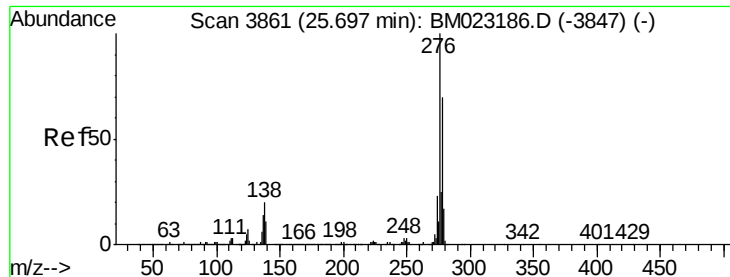
Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

125 9.5 7.4 11.0





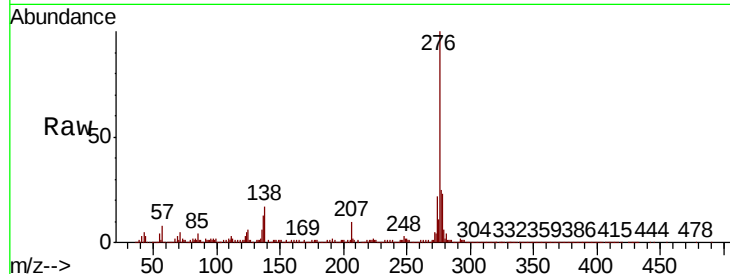
#92
Indeno(1,2,3-cd)pyrene
Concen: 18.079 ng/ul
RT: 25.71 min Scan# 3863
Delta R.T. -0.02 min
Lab File: BM023191.D
Acq: 16 Oct 2019 13:09

Instrument :
BNA_M
ClientSampleId :
BEP76

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.8	14.9	22.3
277	24.9	19.8	29.8

Manual Integrations
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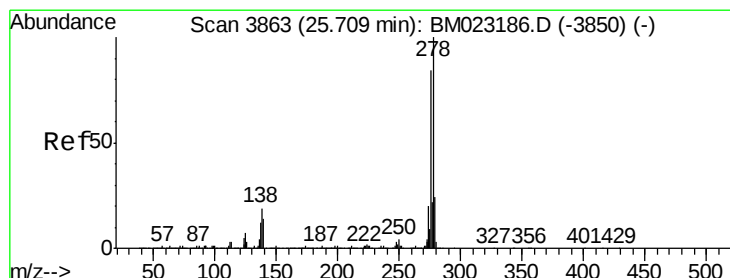
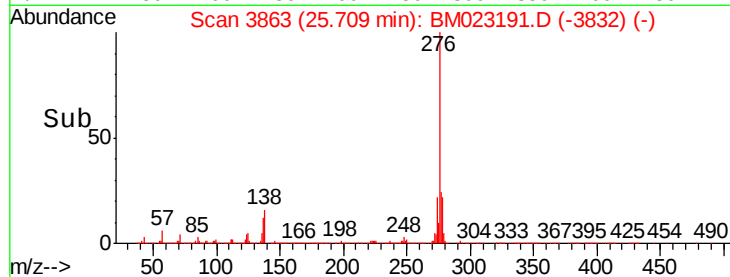
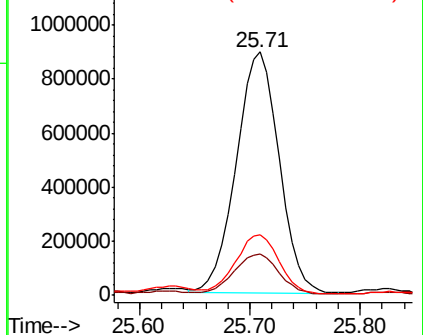


Abundance

Ion 276.00 (275.70 to 276.70): E

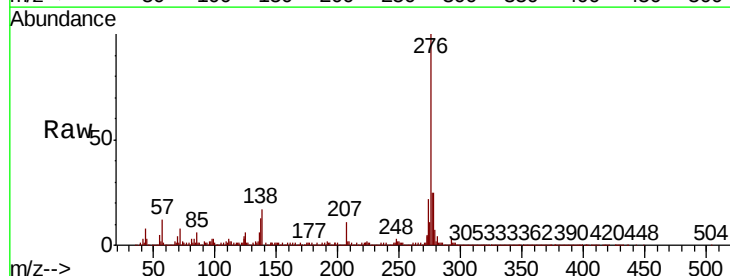
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#93
Dibenzo(a,h)anthracene
Concen: 5.826 ng/ul
RT: 25.72 min Scan# 3864
Delta R.T. -0.03 min
Lab File: BM023191.D
Acq: 16 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	10.0	15.0#
279	26.0	19.4	29.0

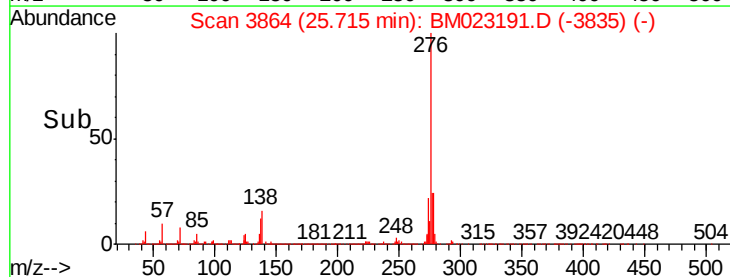
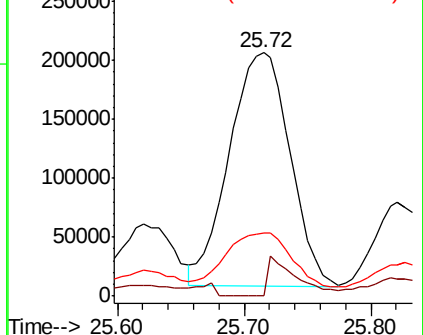


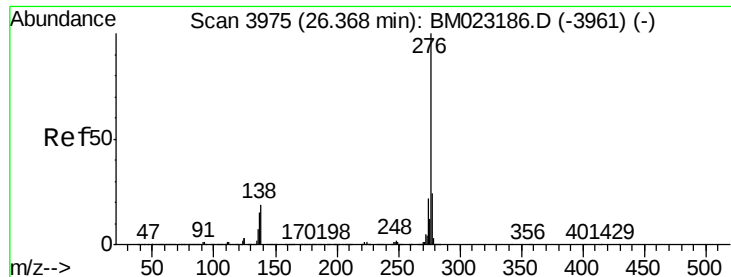
Abundance

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: 21.365 ng/ul

RT: 26.39 min Scan# 3978

Delta R.T. -0.02 min

Lab File: BM023191.D

Acq: 16 Oct 2019 13:09

Instrument :

BNA_M

ClientSampleId :

BEP76

Tot Ion:276 Resp: 2374833

Ion Ratio Lower Upper

276 100

138 18.1 14.4 21.6

277 24.8 19.4 29.2

Manual Integrations

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