

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
 Data File : BM027082.D
 Acq On : 14 Aug 2020 10:40
 Operator : JU/CG
 Sample : L3630-03DL 2X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 BFM70DL

Manual Integrations
 APPROVED

Sohil
 8/14/2020 2:54:26 PM

Quant Time: Aug 14 12:28:20 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 13 11:47:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	132375	20.00	ng/ul	0.00
18) Naphthalene-d8	10.41	136	493163	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.27	164	318237	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.02	188	671935	20.00	ng/ul	0.00
78) Chrysene-d12	21.22	240	741922	20.00	ng/ul	0.00
86) Perylene-d12	23.42	264	759274	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	5651	1.94	ng/uL	0.00
5) Phenol-d5	6.82	99	134725	13.09	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.97	67	89423	12.68	ng/ul	0.00
9) 2-Chlorophenol-d4	7.17	132	104668	12.89	ng/ul	0.00
13) 4-Methylphenol-d8	8.34	113	105679	13.17	ng/ul	0.00
19) Nitrobenzene-d5	8.78	128	49850	12.75	ng/ul	0.00
22) 2-Nitrophenol-d4	9.50	143	54217	13.38	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.03	165	114533	13.45	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	110602	11.18	ng/ul	0.00
44) Dimethylphthalate-d6	13.69	166	347876	13.71	ng/ul	0.00
47) Acenaphthylene-d8	13.96	160	428062	14.16	ng/ul	0.00
52) 4-Nitrophenol-d4	14.47	143	39209	9.15	ng/ul	0.00
58) Fluorene-d10	15.27	176	303461	13.72	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.39	200	27577	7.51	ng/ul	0.00
71) Anthracene-d10	17.12	188	462818	13.98	ng/ul	0.00
79) Pyrene-d10	19.42	212	560792	15.15	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.28	264	599831	14.15	ng/ul	0.01

Target Compounds

					Ovalue
28) Naphthalene	10.46	128	70678	2.578 ng/ul	98
34) 2-Methylnaphthalene	12.08	142	44720	2.225 ng/ul	98
45) Dimethylphthalate	13.73	163	38984	1.466 ng/ul	98
48) Acenaphthylene	13.99	152	56685	1.844 ng/ul	97
50) Acenaphthene	14.34	153	98613	4.526 ng/ul	97
54) Dibenzofuran	14.67	168	148634	4.767 ng/ul	98
59) Fluorene	15.33	166	139864	5.360 ng/ul	100
70) Phenanthrene	17.06	178	1643720	40.804 ng/ul	99
72) Anthracene	17.15	178	433209	10.569 ng/ul	100
75) Carbazole	17.42	167	219438	6.342 ng/ul	99
77) Fluoranthene	19.09	202	1858178	38.040 ng/ul	98
80) Pyrene	19.44	202	1649706	32.759 ng/ul	99
83) Benzo(a)anthracene	21.20	228	1101703	22.058 ng/ul	97
84) Bis(2-ethylhexyl)phthalate	21.16	149	28504	1.019 ng/ul	99
85) Chrysene	21.26	228	934441	19.060 ng/ul	97
88) Benzo(b)fluoranthene	22.77	252	1102776	20.916 ng/ul	99
89) Benzo(k)fluoranthene	22.80	252	461658m	8.835 ng/ul	
91) Benzo(a)pyrene	23.33	252	828143	17.259 ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.61	276	491575	7.951 ng/ul	98
93) Dibenzo(a,h)anthracene	25.61	278	160807	3.071 ng/ul#	91
94) Benzo(a,h,i)perylene	26.29	276	347412	6.803 ng/ul	98

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Manual Integrations
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Quant Time: Aug 14 12:28:20 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

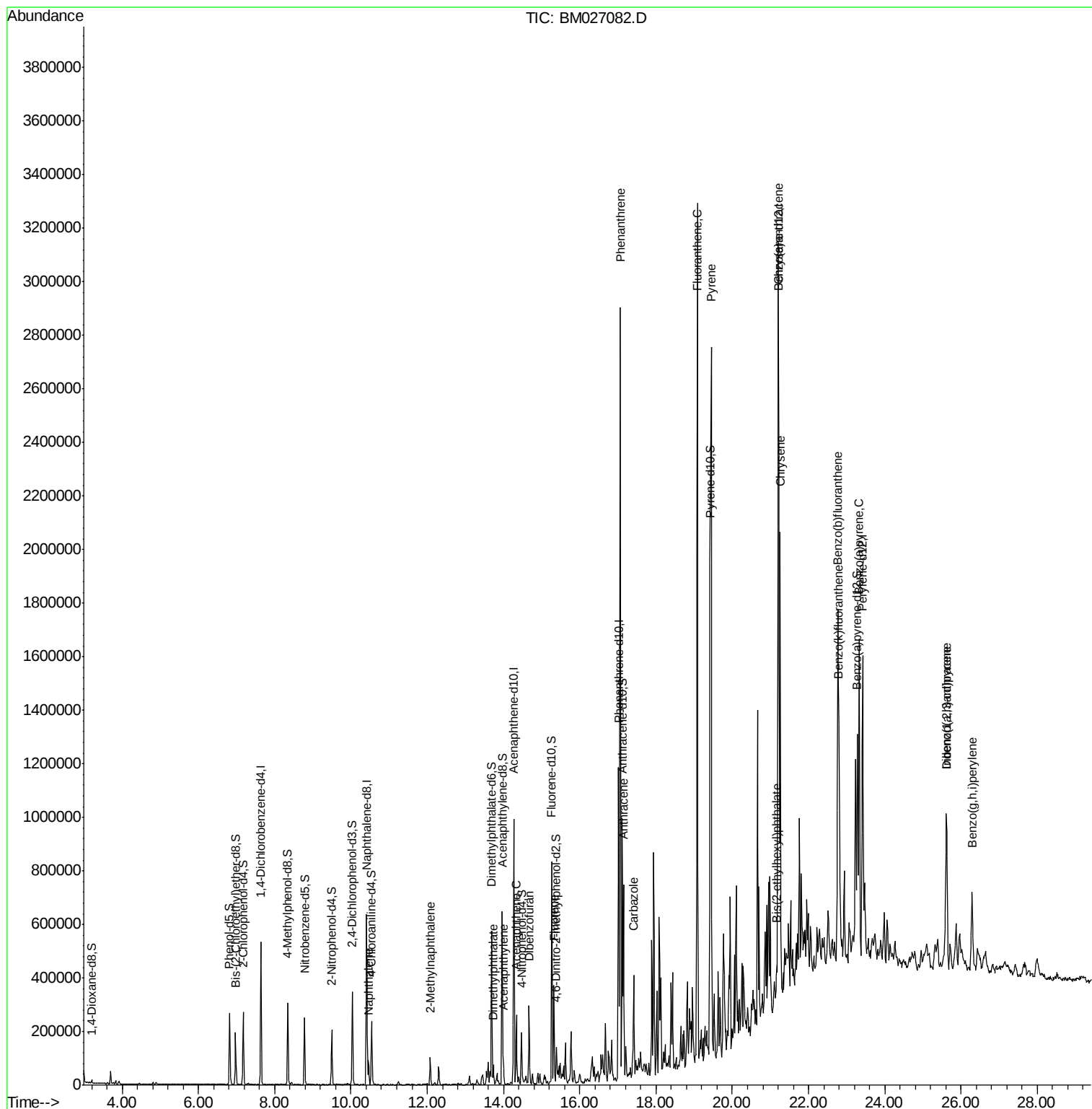
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027082.D
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Operator : JU/CG
Sample : L3630-03DL 2X
Misc :
ALS Vial : 28 Sample Multiplier: 1

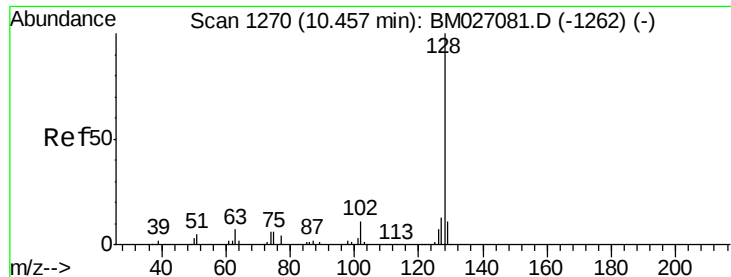
Instrument :
BNA_M
ClientSampleId :
BFM70DL

Manual Integrations
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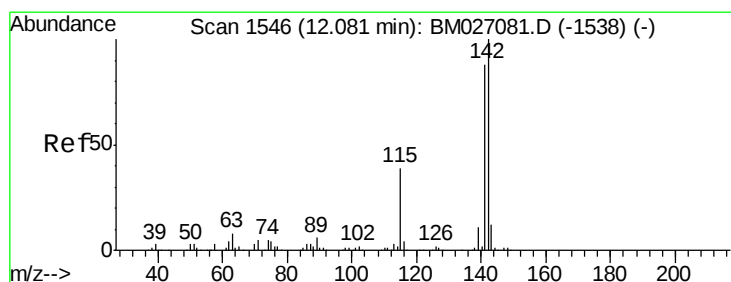
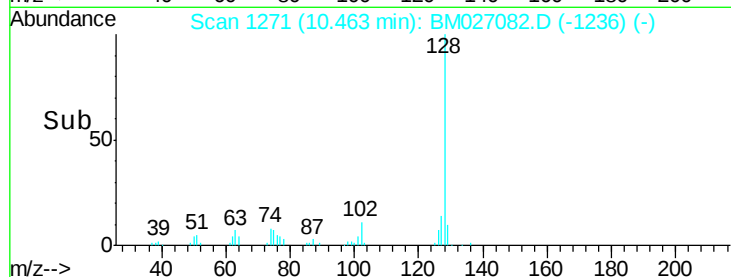
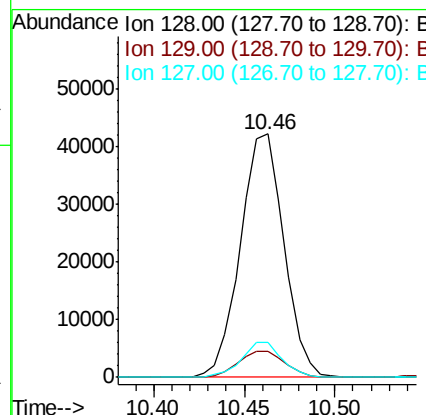
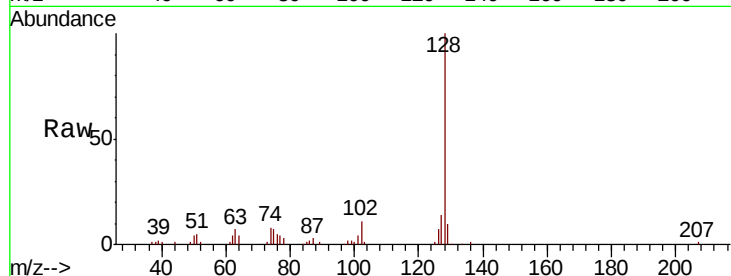
#28
Naphthalene
Concen: 2.578 ng/ul
RT: 10.46 min Scan# 1271
Delta R.T. 0.01 min
Lab File: BM027082.D
Acq: 14 Aug 2020 10:40

Instrument :
BNA_M
ClientSampled :
BFM70DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.4	9.0	13.6
127	14.1	10.5	15.7

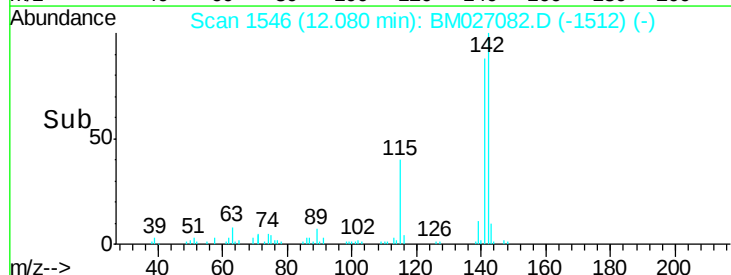
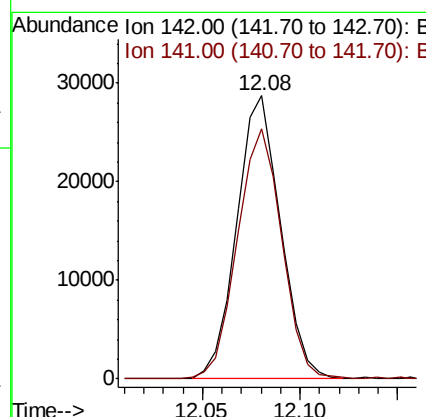
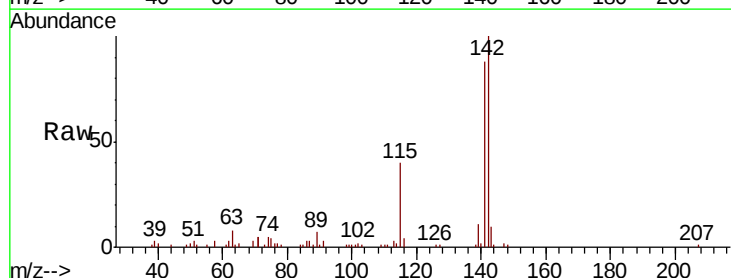
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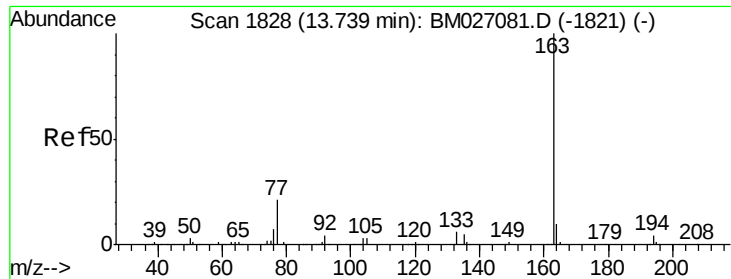
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#34
2-Methylnaphthalene
Concen: 2.225 ng/ul
RT: 12.08 min Scan# 1546
Delta R.T. -0.00 min
Lab File: BM027082.D
Acq: 14 Aug 2020 10:40

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.3	72.4	108.6





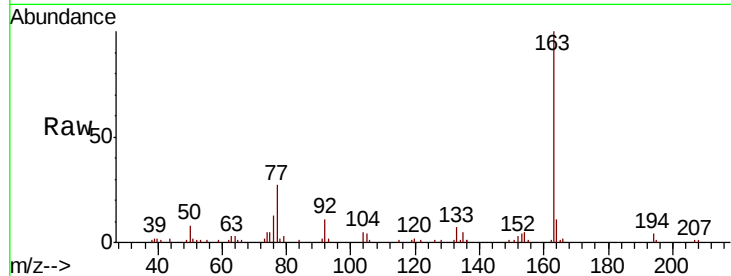
#45
Dimethylphthalate
Concen: 1.466 ng/ul
RT: 13.73 min Scan# 1827
Delta R.T. -0.00 min
Lab File: BM027082.D
Acq: 14 Aug 2020 10:40

Instrument :
BNA_M
ClientSampled :
BFM70DL

Tot Ion	Ratio	Resp	Lower	Upper
163	100	38984		
194	4.0		3.2	4.8
164	11.0		8.2	12.2

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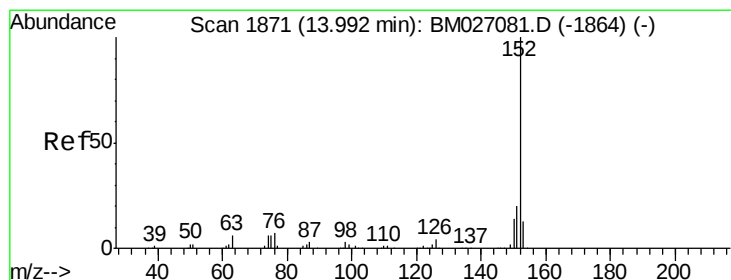
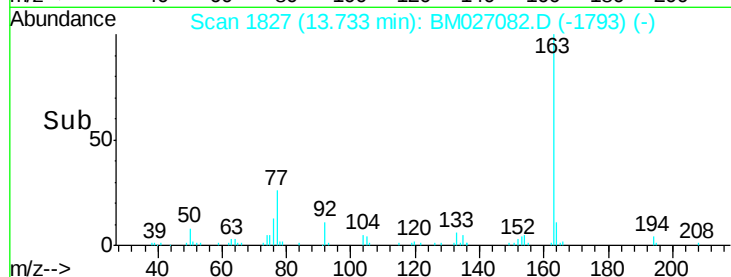
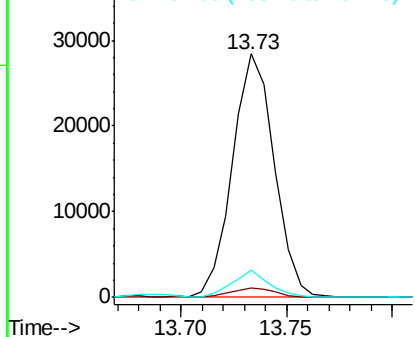


Abundance

Ion 163.00 (162.70 to 163.70): E

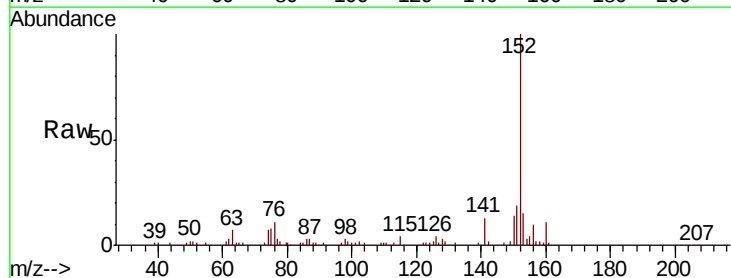
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#48
Acenaphthylene
Concen: 1.844 ng/ul
RT: 13.99 min Scan# 1871
Delta R.T. -0.00 min
Lab File: BM027082.D
Acq: 14 Aug 2020 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	56685		
151	19.4		15.9	23.9
153	14.7		9.8	14.8

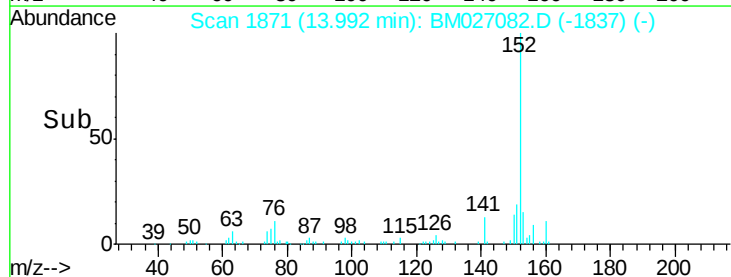
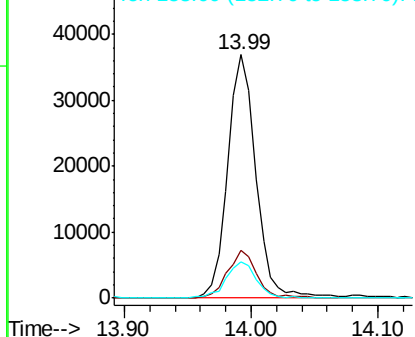


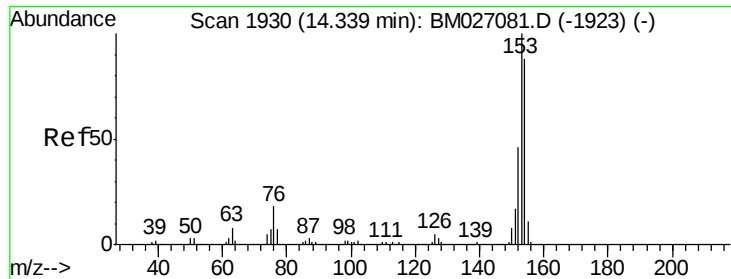
Abundance

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: 4.526 ng/ul

RT: 14.34 min Scan# 1930

Delta R.T. -0.00 min

Lab File: BM027082.D

Acq: 14 Aug 2020 10:40

Instrument :

BNA_M

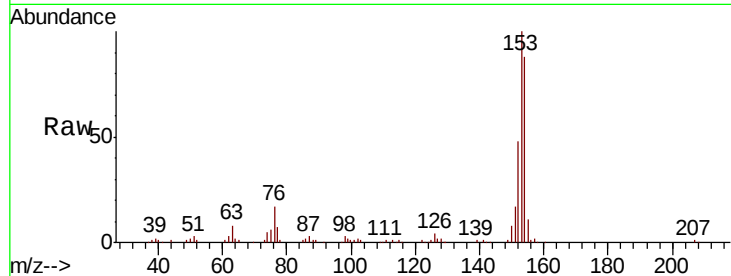
ClientSampleId :

BFM70DL

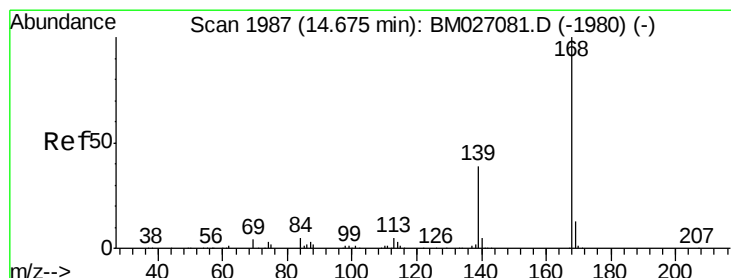
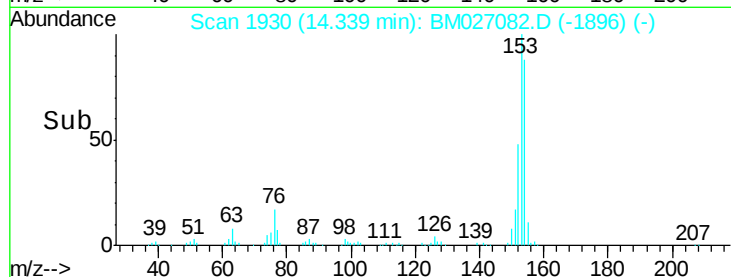
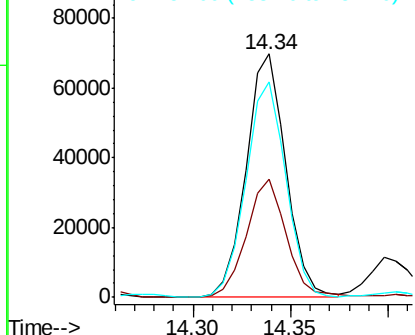
Tot Ion:	153	Resp:	98613
Ion Ratio	Lower	Upper	
153	100		
152	48.5	35.9	53.9
154	88.3	69.4	104.0

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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: 4.767 ng/ul

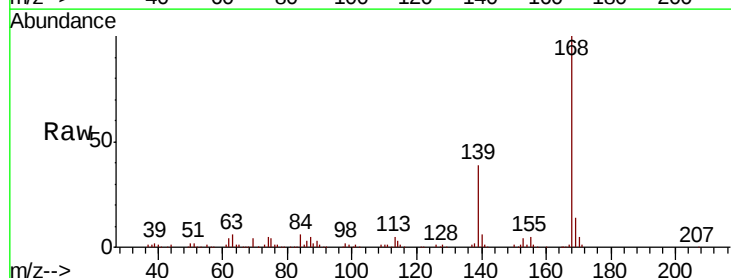
RT: 14.67 min Scan# 1987

Delta R.T. -0.00 min

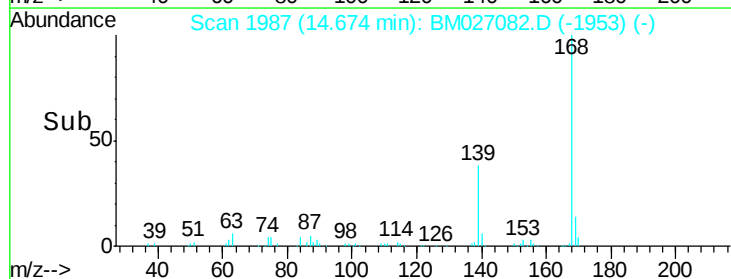
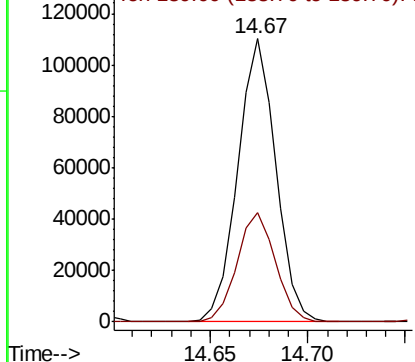
Lab File: BM027082.D

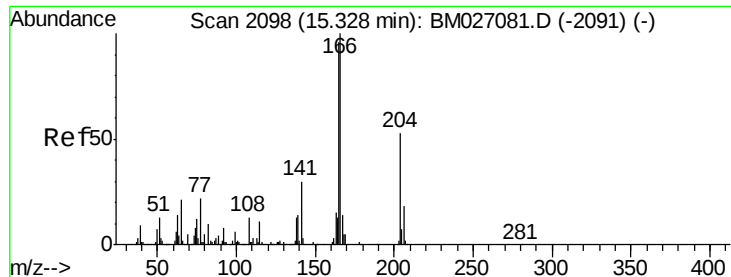
Acq: 14 Aug 2020 10:40

Tgt Ion:	168	Resp:	148634
Ion Ratio	Lower	Upper	
168	100		
139	38.6	29.9	44.9



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





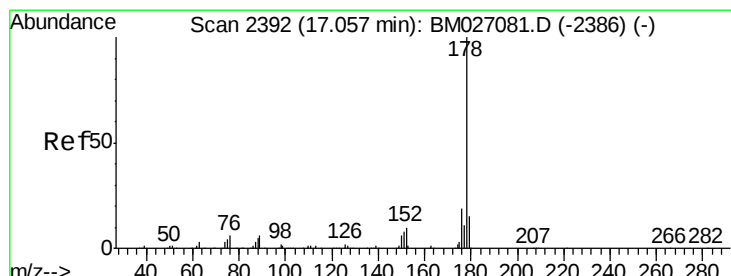
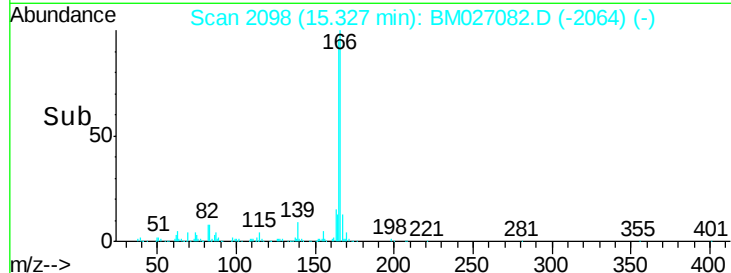
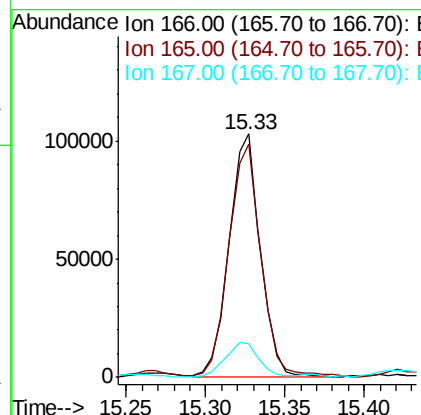
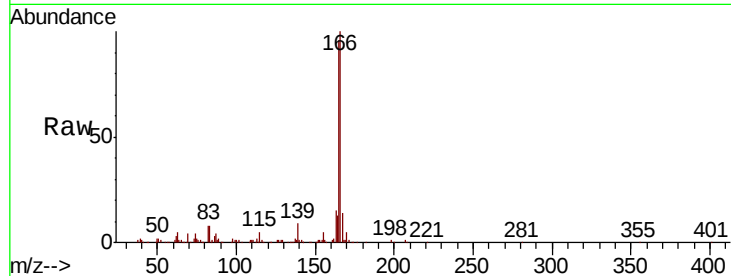
#59
Fluorene
 Concen: 5.360 ng/ul
 RT: 15.33 min Scan# 2098
 Delta R.T. -0.00 min
 Lab File: BM027082.D
 Acq: 14 Aug 2020 10:40

Instrument :
 BNA_M
 ClientSampled :
 BFM70DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.0	76.9	115.3
167	13.7	10.5	15.7

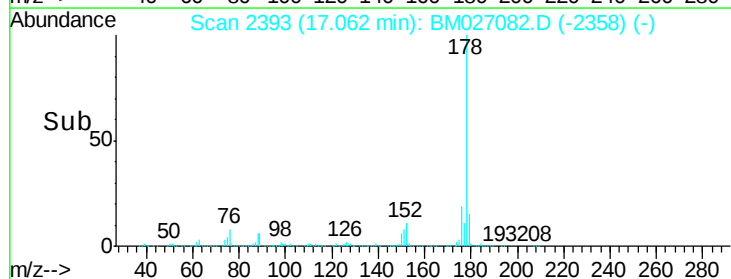
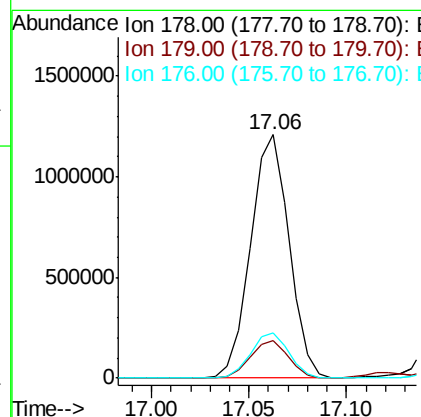
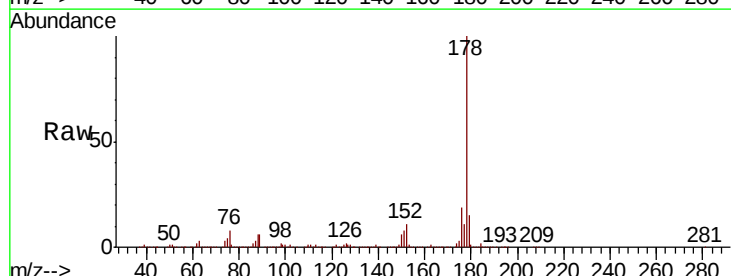
Manual Integrations
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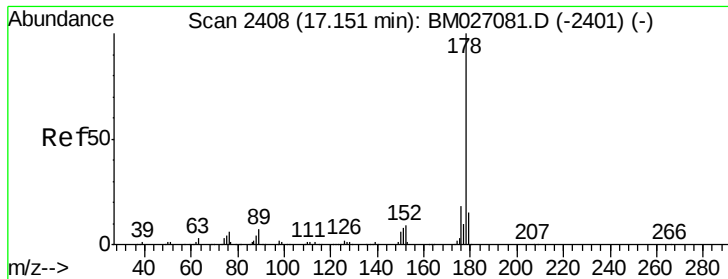
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#70
Phenanthrene
 Concen: 40.804 ng/ul
 RT: 17.06 min Scan# 2393
 Delta R.T. 0.01 min
 Lab File: BM027082.D
 Acq: 14 Aug 2020 10:40

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	11.9	17.9
176	18.6	14.6	22.0





#72

Anthracene

Concen: 10.569 ng/ul

RT: 17.15 min Scan# 2408

Delta R.T. -0.00 min

Lab File: BM027082.D

Acq: 14 Aug 2020 10:40

Instrument :

BNA_M

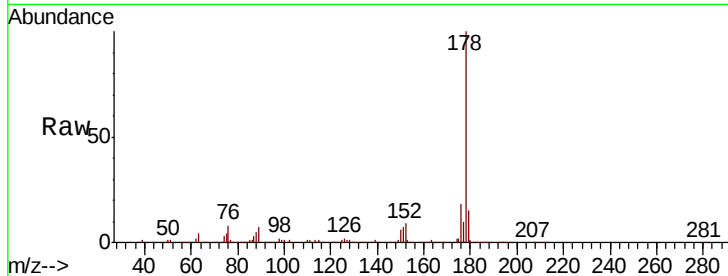
ClientSampleId :

BFM70DL

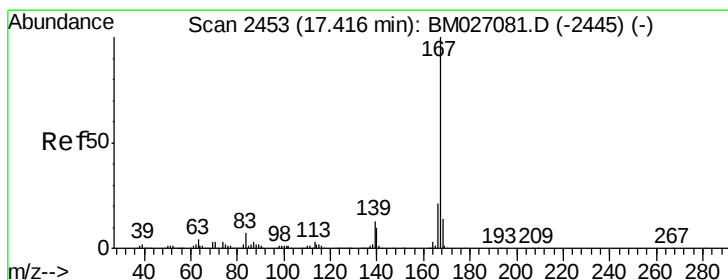
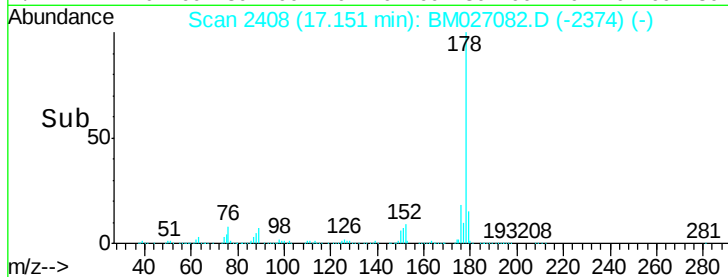
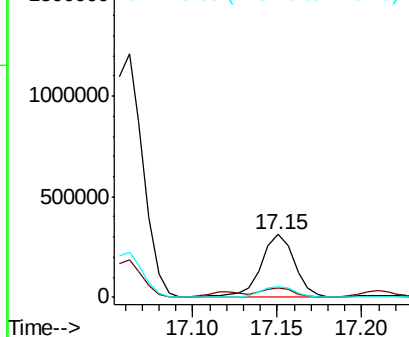
Tot Ion:	178	Resp:	433209
Ion Ratio	Lower	Upper	
178	100		
179	14.7	12.0	18.0
176	17.8	14.3	21.5

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: 6.342 ng/ul

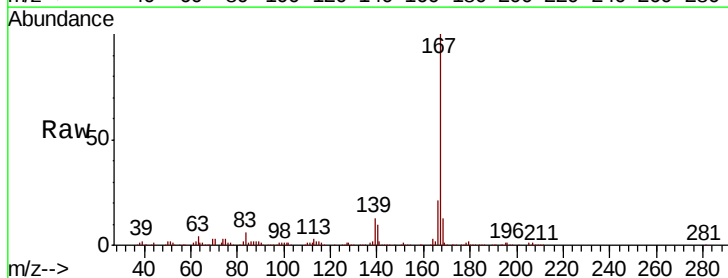
RT: 17.42 min Scan# 2453

Delta R.T. -0.00 min

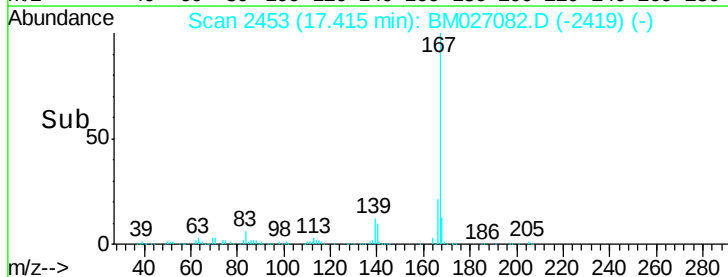
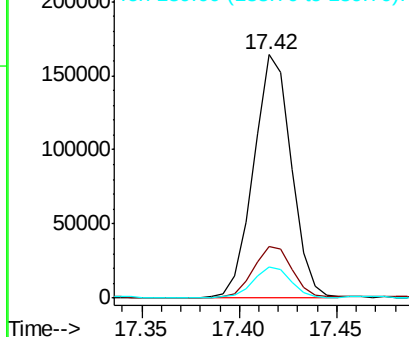
Lab File: BM027082.D

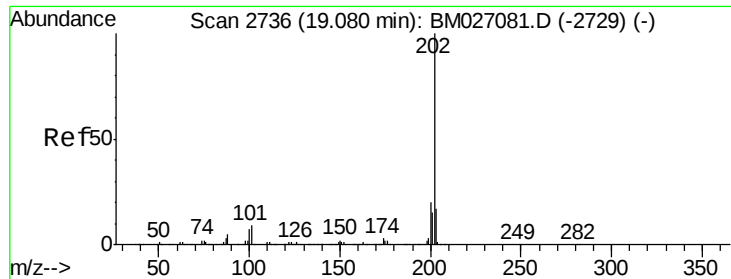
Acq: 14 Aug 2020 10:40

Tgt Ion:	167	Resp:	219438
Ion Ratio	Lower	Upper	
167	100		
166	21.2	17.0	25.6
139	12.8	9.8	14.6



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





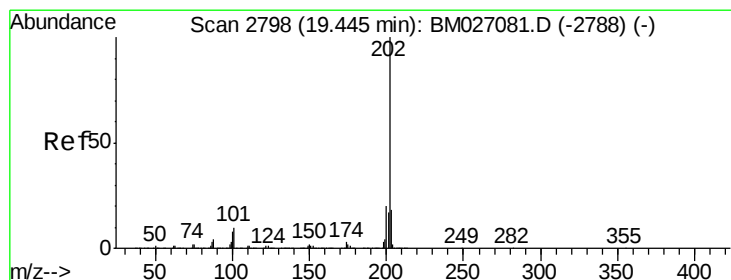
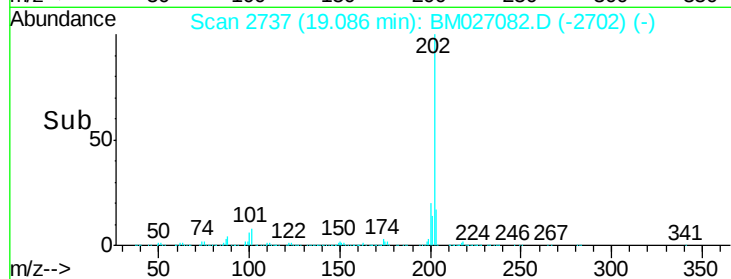
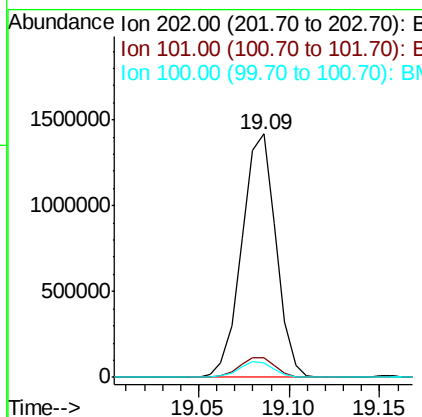
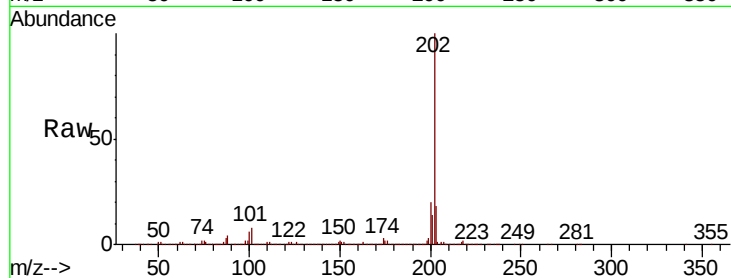
#77
Fluoranthene
 Concen: 38.040 ng/ul
 RT: 19.09 min Scan# 2737
 Delta R.T. 0.01 min
 Lab File: BM027082.D
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Instrument :
 BNA_M
 ClientSampleId :
 BFM70DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	8.1	6.7	10.1
100	5.9	5.4	8.2

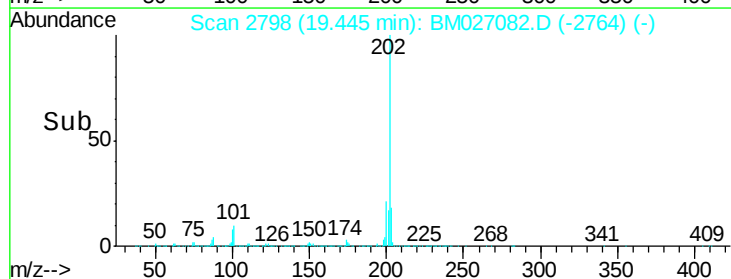
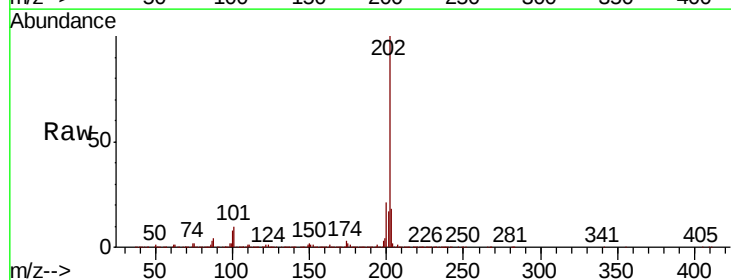
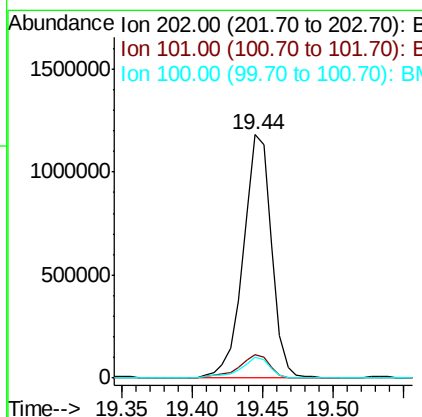
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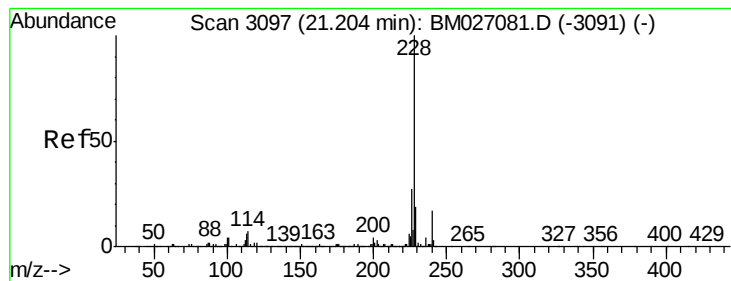
Sohil
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#80
Pyrene
 Concen: 32.759 ng/ul
 RT: 19.44 min Scan# 2798
 Delta R.T. -0.00 min
 Lab File: BM027082.D
 Acq: 14 Aug 2020 10:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.9	7.6	11.4
100	8.4	6.3	9.5





#83

Benzo(a)anthracene

Concen: 22.058 ng/ul

RT: 21.20 min Scan# 3097

Delta R.T. 0.01 min

Lab File: BM027082.D

Acq: 14 Aug 2020 10:40

Instrument :

BNA_M

ClientSampled :

BFM70DL

Tot Ion:228 Resp: 1101703

Ion Ratio Lower Upper

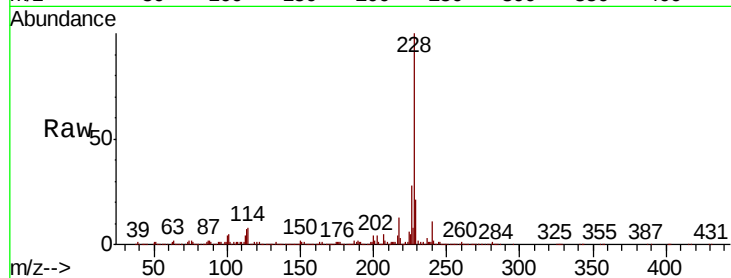
228 100

229 20.8 15.8 23.6

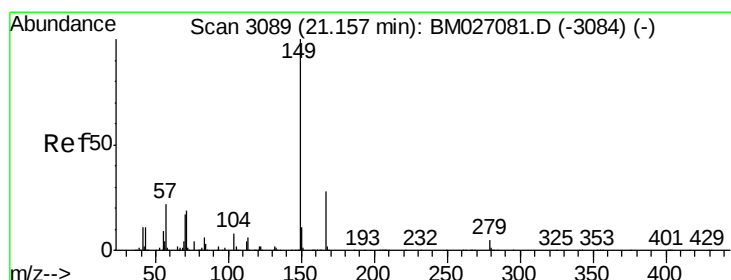
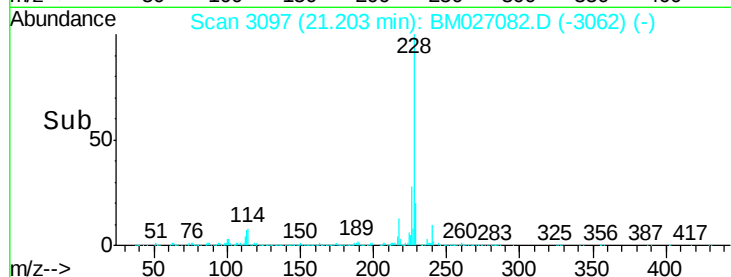
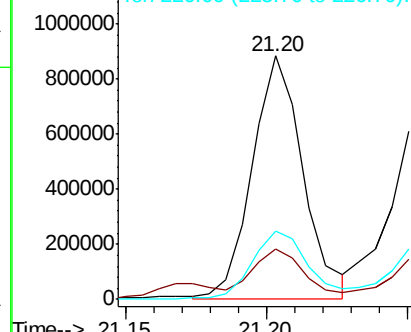
226 28.2 21.2 31.8

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Abundance Ion 228.00 (227.70 to 228.70): E
1200000 Ion 229.00 (228.70 to 229.70): E
1000000 Ion 226.00 (225.70 to 226.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 1.019 ng/ul

RT: 21.16 min Scan# 3089

Delta R.T. -0.00 min

Lab File: BM027082.D

Acq: 14 Aug 2020 10:40

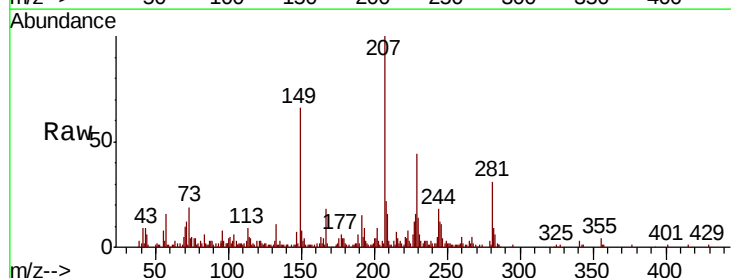
Tgt Ion:149 Resp: 28504

Ion Ratio Lower Upper

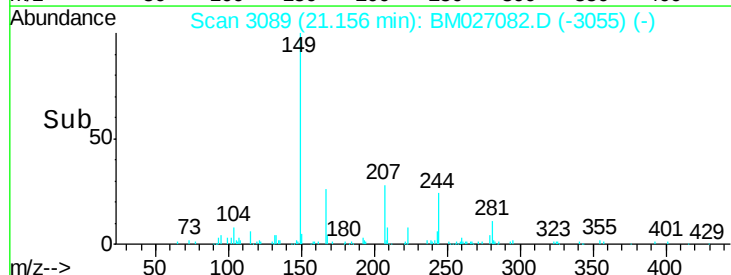
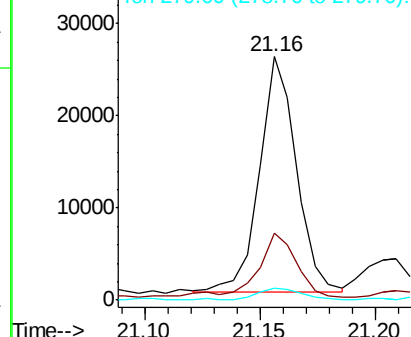
149 100

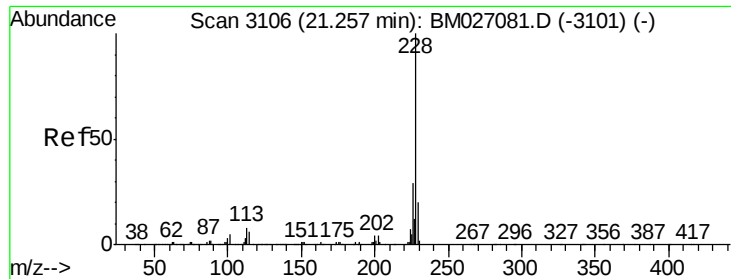
167 27.4 21.6 32.4

279 4.6 3.9 5.9



Abundance Ion 149.00 (148.70 to 149.70): E
30000 Ion 167.00 (166.70 to 167.70): E
20000 Ion 279.00 (278.70 to 279.70): E





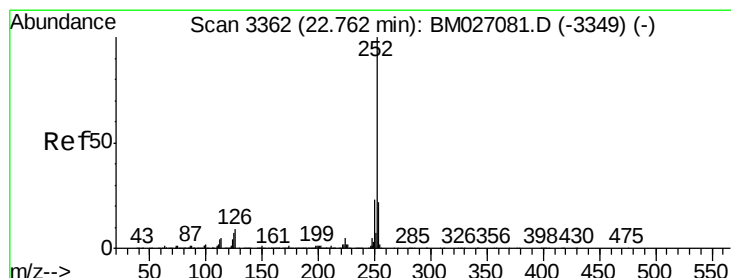
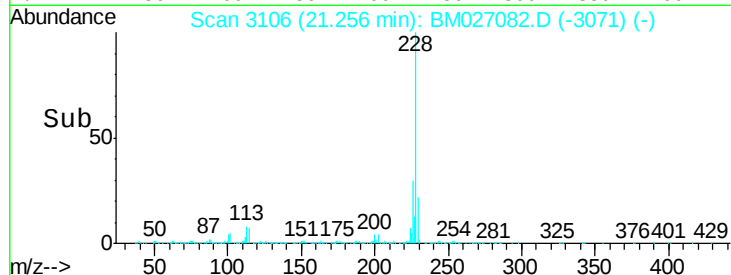
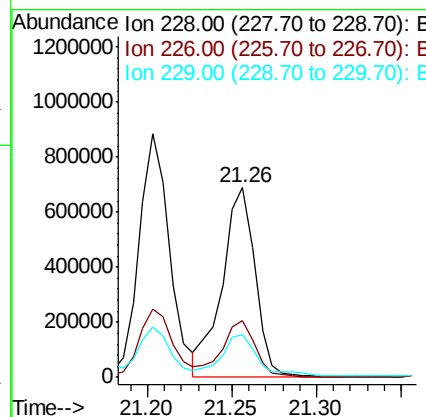
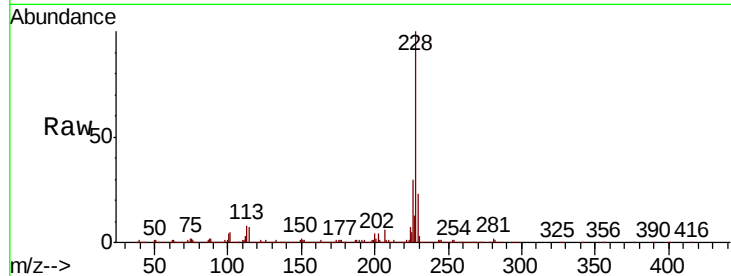
#85
 Chrysene
 Concen: 19.060 ng/ul
 RT: 21.26 min Scan# 3106
 Delta R.T. 0.01 min
 Lab File: BM027082.D
 Acq: 14 Aug 2020 10:40

Instrument :
 BNA_M
 ClientSampled :
 BFM70DL

Tot Ion:	228	Resp:	934441
Ion Ratio	Lower	Upper	
228	100		
226	30.2	23.8	35.6
229	22.8	15.8	23.8

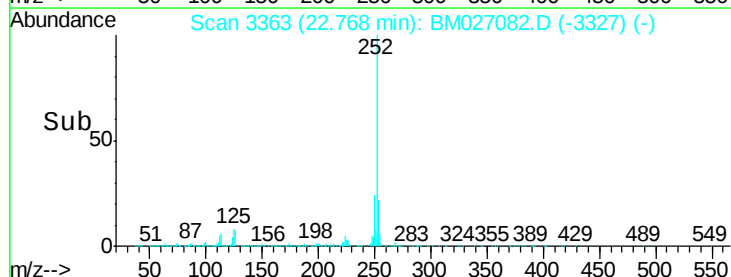
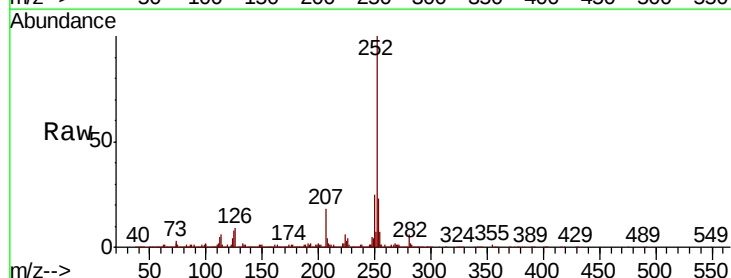
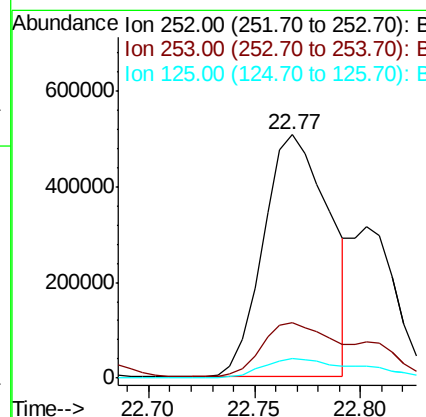
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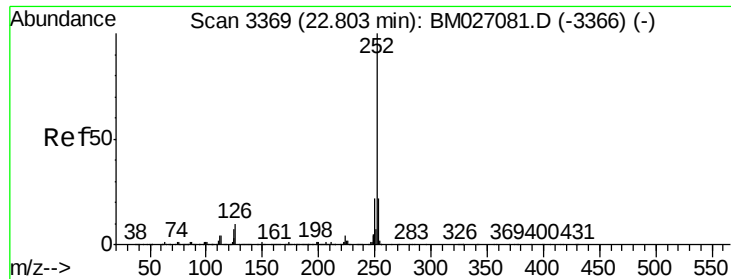
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#88
 Benzo(b)fluoranthene
 Concen: 20.916 ng/ul
 RT: 22.77 min Scan# 3363
 Delta R.T. 0.01 min
 Lab File: BM027082.D
 Acq: 14 Aug 2020 10:40

Tgt Ion:	252	Resp:	1102776
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.6	26.4
125	7.8	6.0	9.0





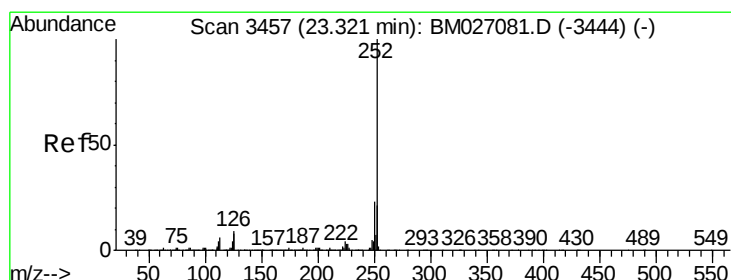
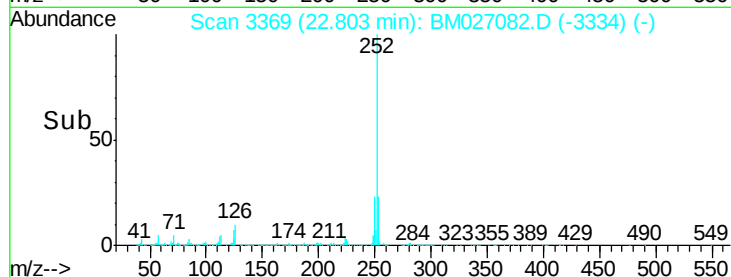
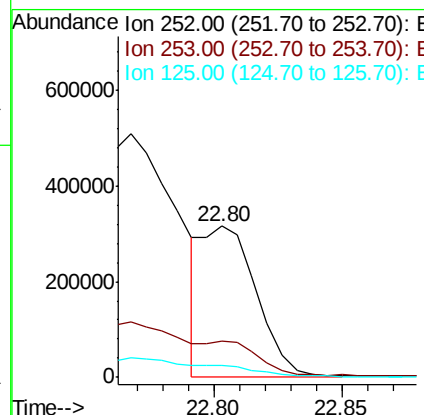
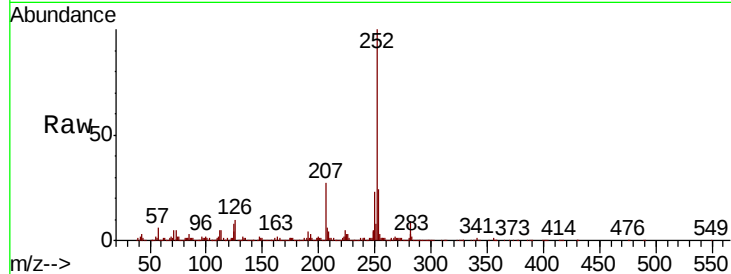
#89
Benzo(k)fluoranthene
Concen: 8.835 ng/ul m
RT: 22.80 min Scan# 3369
Delta R.T. 0.01 min
Lab File: BM027082.D
Acq: 14 Aug 2020 10:40

Instrument :
BNA_M
ClientSampleId :
BFM70DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.2	25.8
125	7.6	5.5	8.3

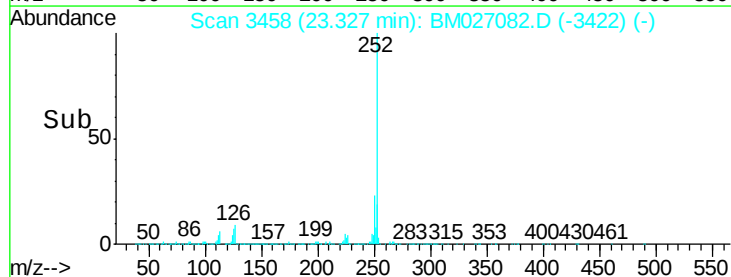
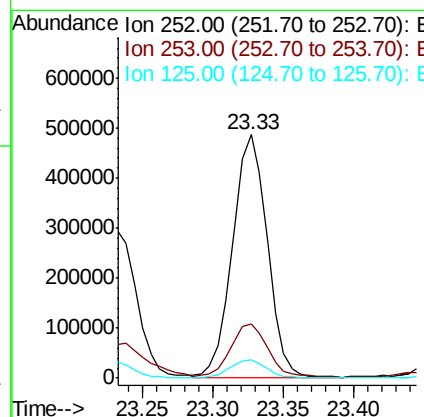
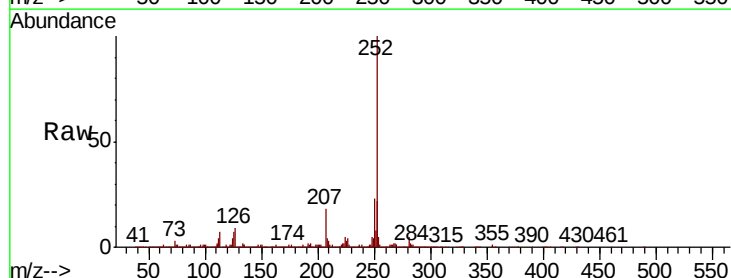
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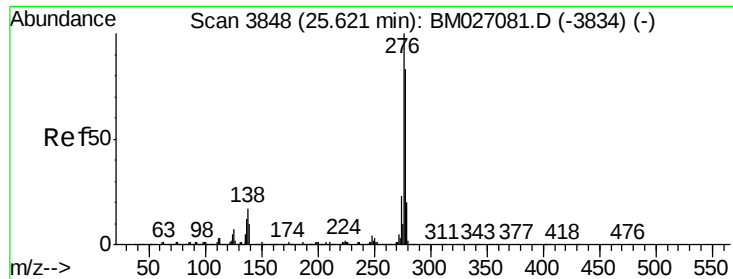
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#91
Benzo(a)pyrene
Concen: 17.259 ng/ul
RT: 23.33 min Scan# 3458
Delta R.T. 0.01 min
Lab File: BM027082.D
Acq: 14 Aug 2020 10:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.4
125	7.3	5.8	8.8





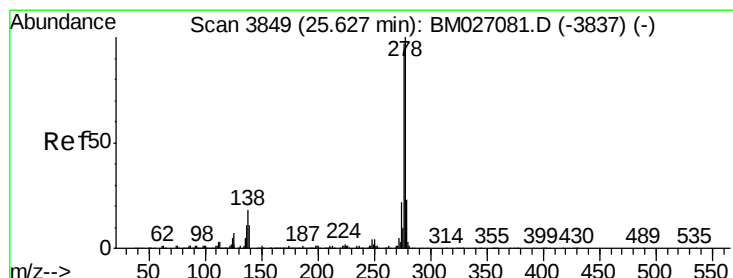
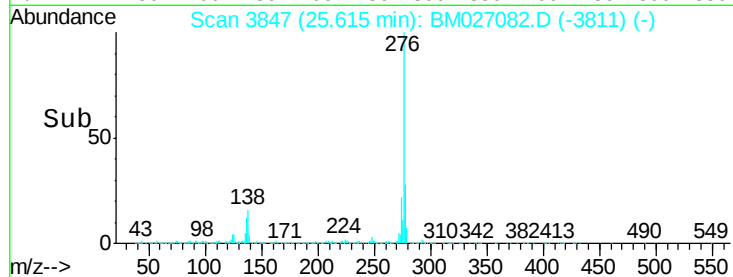
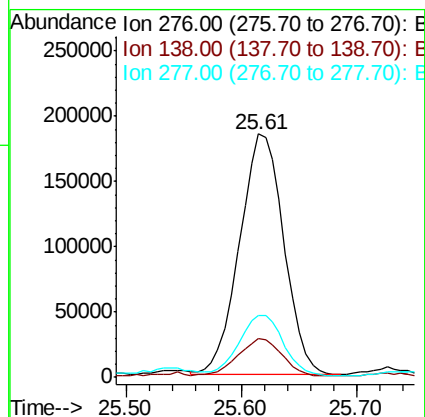
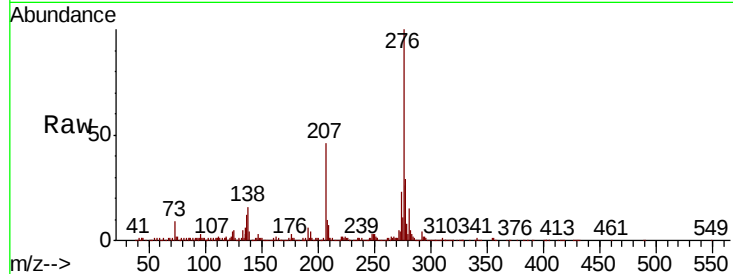
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 7.951 ng/ul
 RT: 25.61 min Scan# 3847
 Delta R.T. 0.01 min
 Lab File: BM027082.D
 Acq: 14 Aug 2020 10:40

Instrument :
 BNA_M
 ClientSampleId :
 BFM70DL

Tot Ion:	276	Resp:	491575
Ion Ratio	Lower	Upper	
276	100		
138	16.1	13.9	20.9
277	25.6	19.8	29.8

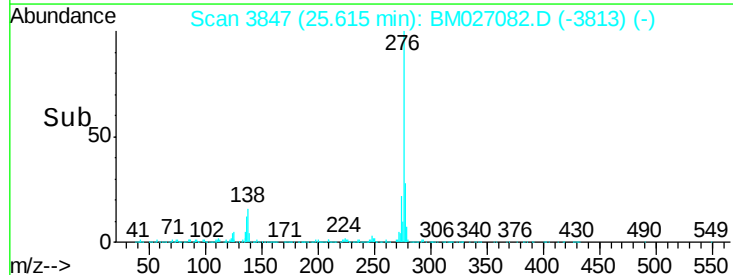
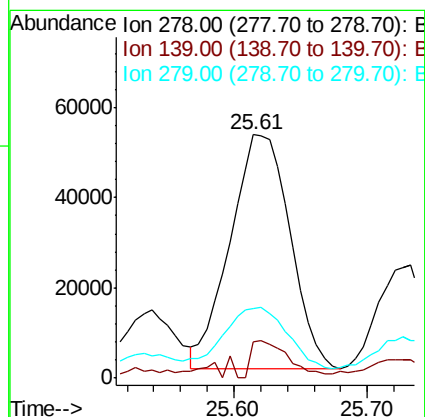
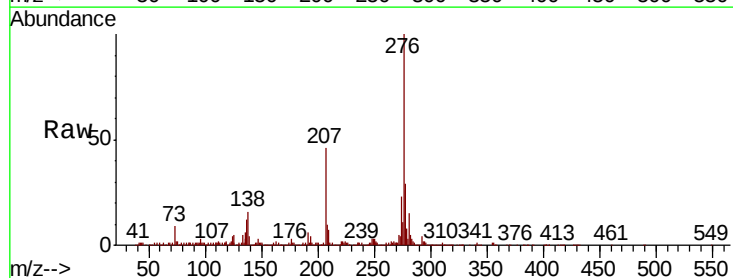
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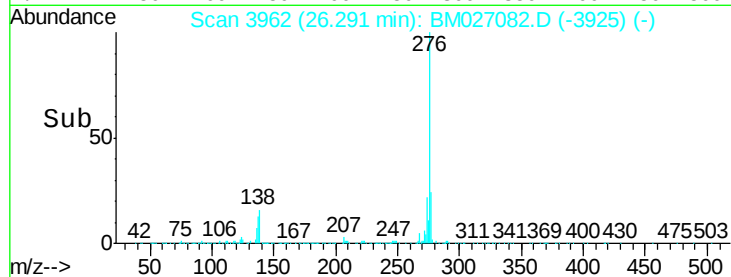
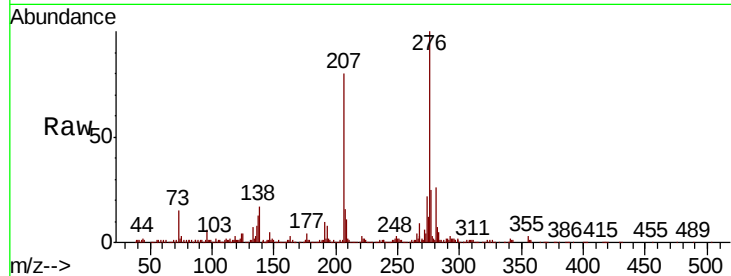
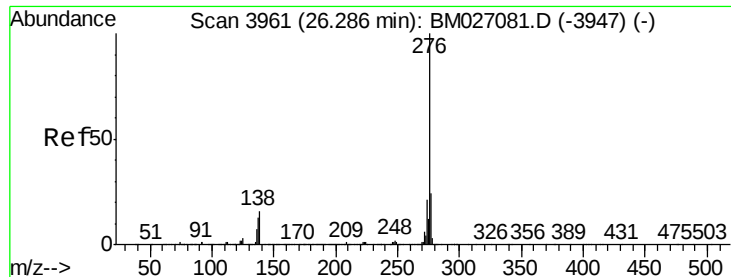
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#93
 Dibenzo(a,h)anthracene
 Concen: 3.071 ng/ul
 RT: 25.61 min Scan# 3847
 Delta R.T. -0.00 min
 Lab File: BM027082.D
 Acq: 14 Aug 2020 10:40

Tgt Ion:	278	Resp:	160807
Ion Ratio	Lower	Upper	
278	100		
139	14.8	9.4	14.0#
279	28.4	18.7	28.1#





#94

Benzo(a,h,i)perylene

Concen: 6.803 ng/ul

RT: 26.29 min Scan# 3962

Delta R.T. 0.02 min

Lab File: BM027082.D

Acq: 14 Aug 2020 10:40

Instrument :

BNA_M

ClientSampleId :

BFM70DL

Tot Ion:	276	Resp:	347412
Ion Ratio	Lower	Upper	
276	100		
138	16.8	12.3	18.5
277	24.7	19.0	28.6

Manual Integrations
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