

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
 Data File : BM027071.D
 Acq On : 13 Aug 2020 21:17
 Operator : JU/CG
 Sample : L3630-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BFM72

Manual Integrations
 APPROVED

Sohil
 8/14/2020 2:54:18 PM

Quant Time: Aug 14 03:04:54 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	126809	20.00	ng/ul	0.00
18) Naphthalene-d8	10.41	136	476418	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.27	164	297877	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.02	188	610520	20.00	ng/ul	0.00
78) Chrysene-d12	21.22	240	597133	20.00	ng/ul	0.00
86) Perylene-d12	23.41	264	612200	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	12350	4.43	ng/uL	0.00
5) Phenol-d5	6.82	99	282252	28.62	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.98	67	178783	26.47	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	218989	28.16	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	240228	31.25	ng/ul	0.00
19) Nitrobenzene-d5	8.78	128	113180	29.98	ng/ul	0.00
22) 2-Nitrophenol-d4	9.50	143	125920	32.18	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.04	165	254927	30.99	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	261196	27.32	ng/ul	0.00
44) Dimethylphthalate-d6	13.69	166	738204	31.08	ng/ul	0.00
47) Acenaphthylene-d8	13.96	160	929573	32.84	ng/ul	0.00
52) 4-Nitrophenol-d4	14.47	143	106834	26.64	ng/ul	0.00
58) Fluorene-d10	15.27	176	627033	30.28	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.39	200	61169	18.34	ng/ul	0.00
71) Anthracene-d10	17.12	188	941074	31.29	ng/ul	0.00
79) Pyrene-d10	19.42	212	1034436	34.73	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.28	264	1116414	32.67	ng/ul	0.01

Target Compounds

					Ovalue
6) Phenol	6.85	94	19880	1.912	ng/ul 97
28) Naphthalene	10.46	128	50063	1.891	ng/ul 99
34) 2-Methylnaphthalene	12.08	142	23355	1.203	ng/ul 98
45) Dimethylphthalate	13.73	163	104723	4.207	ng/ul 99
48) Acenaphthylene	13.99	152	104717	3.639	ng/ul 98
50) Acenaphthene	14.34	153	55528	2.723	ng/ul 95
54) Dibenzofuran	14.67	168	66698	2.285	ng/ul 96
59) Fluorene	15.33	166	65631	2.687	ng/ul 94
70) Phenanthrene	17.06	178	1302872	35.596	ng/ul 99
72) Anthracene	17.15	178	272331	7.312	ng/ul 99
75) Carbazole	17.42	167	121901	3.878	ng/ul 99
77) Fluoranthene	19.08	202	2103635	47.397	ng/ul 99
80) Pyrene	19.44	202	1952294	48.167	ng/ul 98
83) Benzo(a)anthracene	21.20	228	1140570	28.373	ng/ul 96
85) Chrysene	21.25	228	1134200	28.744	ng/ul 97
88) Benzo(b)fluoranthene	22.76	252	1692762	39.819	ng/ul 98
89) Benzo(k)fluoranthene	22.80	252	530551m	12.593	ng/ul
91) Benzo(a)pyrene	23.33	252	1231146	31.822	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	25.61	276	881430	17.682	ng/ul 98
93) Dibenz(a,h)anthracene	25.62	278	268035	6.348	ng/ul# 89
94) Benzo(a,h,i)perylene	26.29	276	765952	18.602	ng/ul 99

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ALS Vial : 17 Sample Multiplier: 1

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Manual Integrations
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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)

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

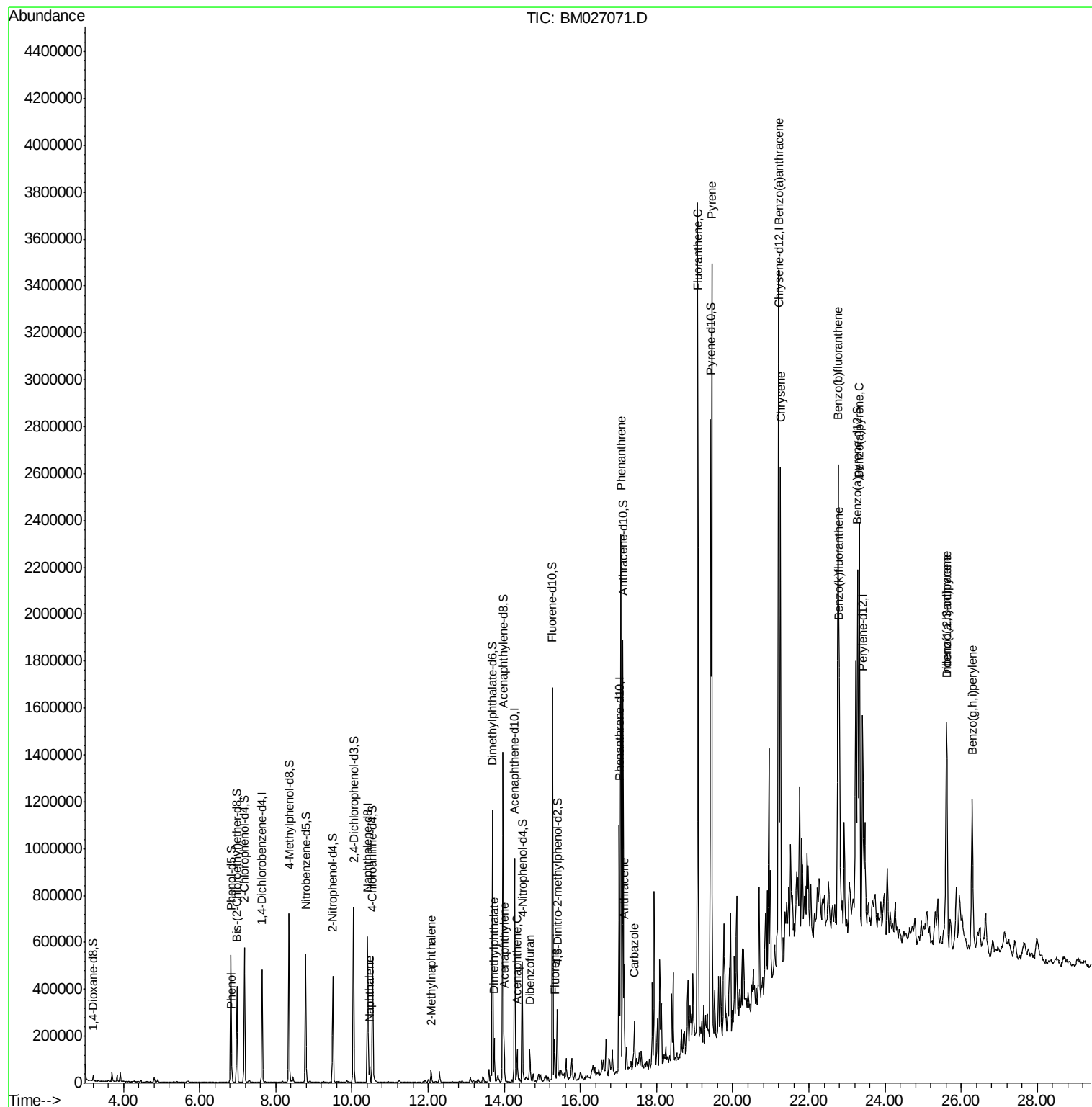
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027071.D
Acq On : 13 Aug 2020 21:17
Operator : JU/CG
Sample : L3630-05
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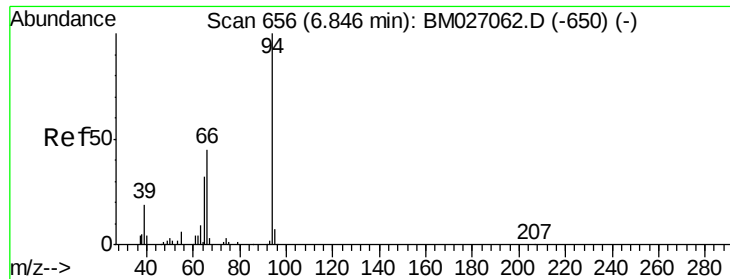
Instrument :
BNA_M
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#6

Phenol

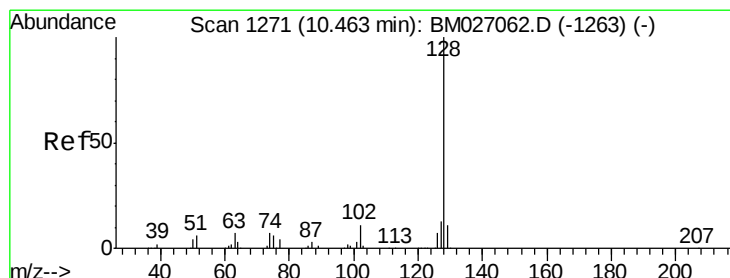
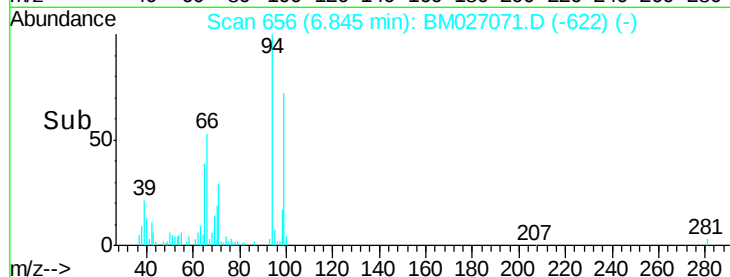
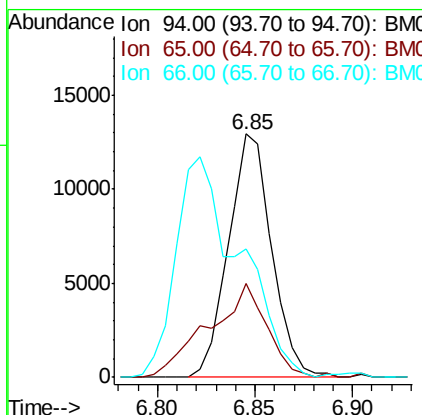
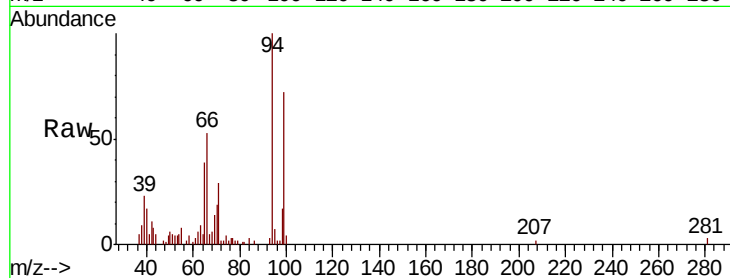
Concen: 1.912 ng/ul
 RT: 6.85 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: BM027071.D
 Acq: 13 Aug 2020 21:17

Instrument :
 BNA_M
 ClientSampled :
 BFM72

Tot Ion	Ratio	Lower	Upper
94	100		
65	38.7	28.6	43.0
66	52.6	41.3	61.9

Manual Integrations
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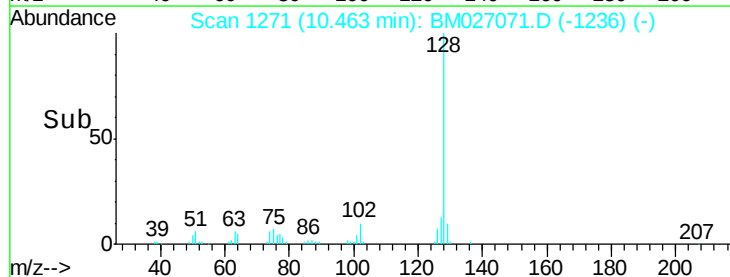
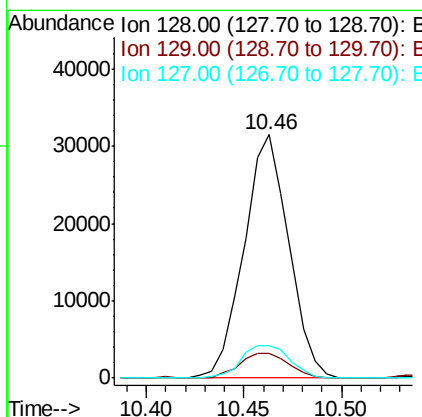
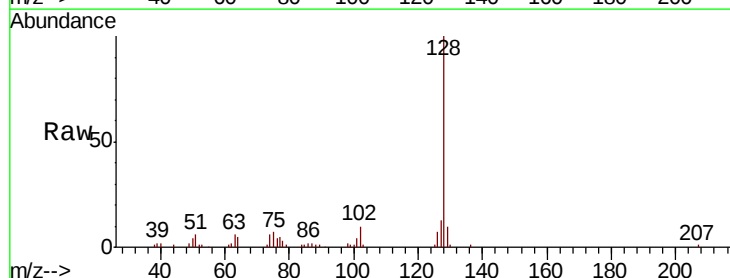


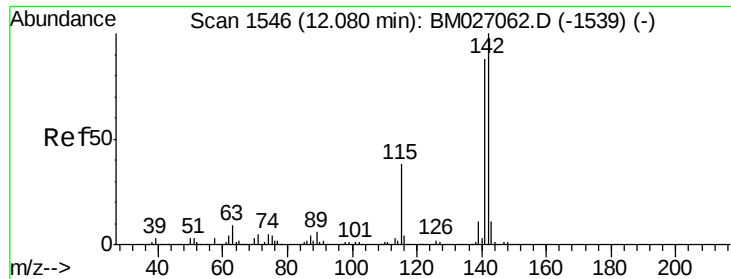
#28

Naphthalene

Concen: 1.891 ng/ul
 RT: 10.46 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: BM027071.D
 Acq: 13 Aug 2020 21:17

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.2	9.0	13.6
127	13.1	10.5	15.7





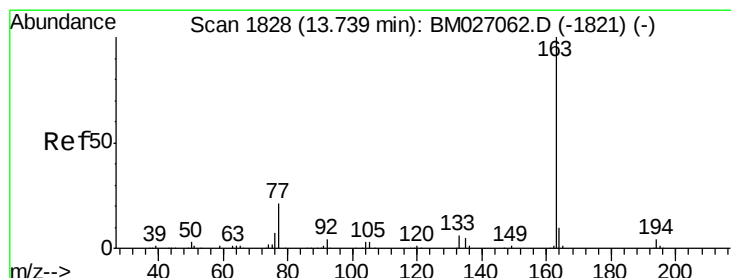
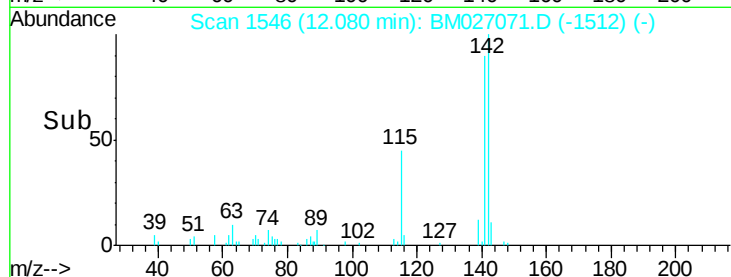
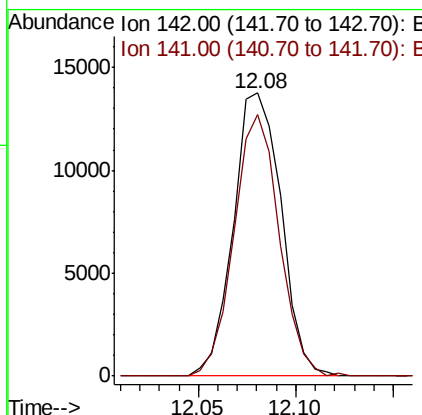
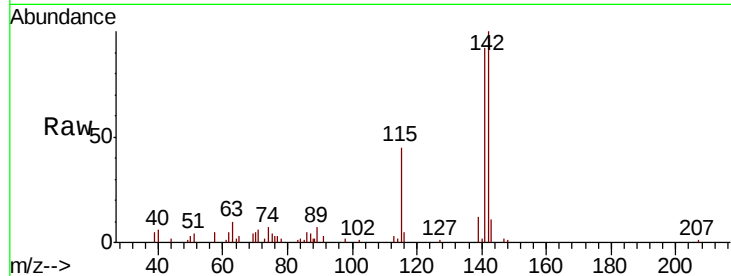
#34
2-Methylnaphthalene
Concen: 1.203 ng/ul
RT: 12.08 min Scan# 1546
Delta R.T. -0.00 min
Lab File: BM027071.D
Acq: 13 Aug 2020 21:17

Instrument :
BNA_M
ClientSampleId :
BFM72

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.4	72.4	108.6

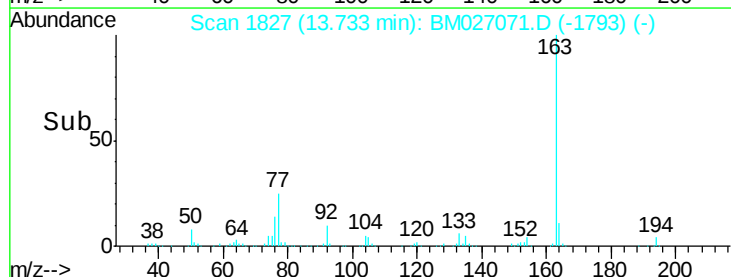
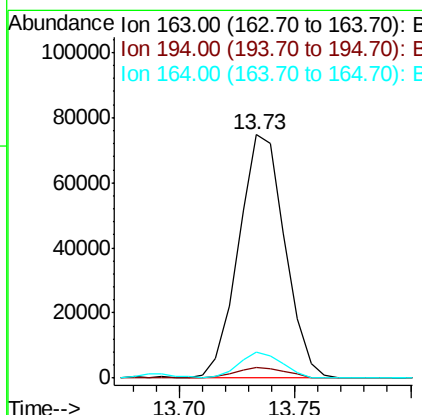
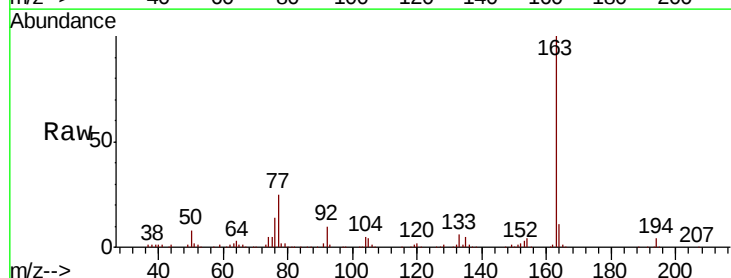
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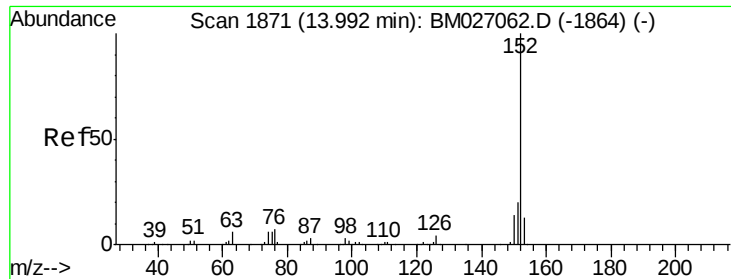
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#45
Dimethylphthalate
Concen: 4.207 ng/ul
RT: 13.73 min Scan# 1827
Delta R.T. -0.00 min
Lab File: BM027071.D
Acq: 13 Aug 2020 21:17

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.2	4.8
164	10.6	8.2	12.2





#48

Acenaphthylene

Concen: 3.639 ng/ul

RT: 13.99 min Scan# 1871

Delta R.T. -0.00 min

Lab File: BM027071.D

Acq: 13 Aug 2020 21:17

Instrument :

BNA_M

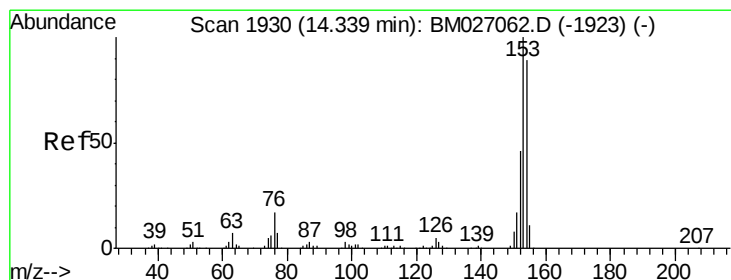
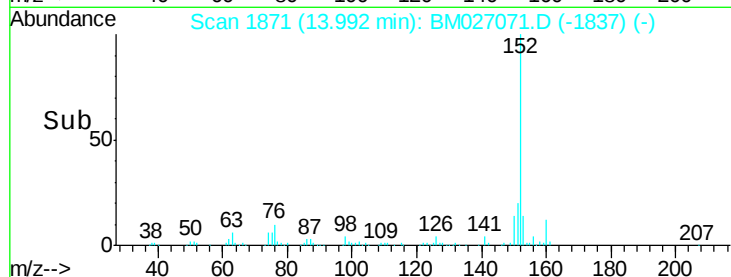
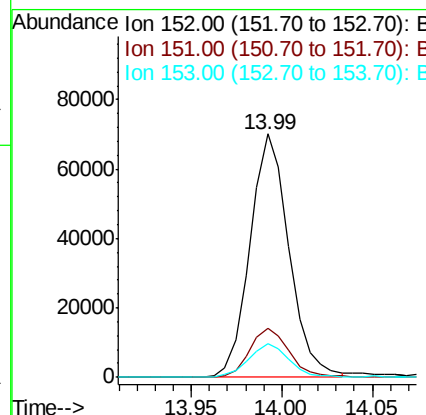
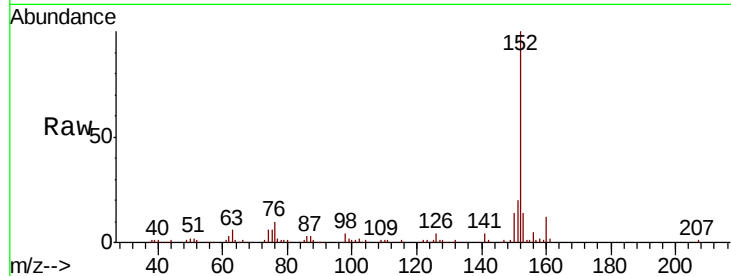
ClientSampleId :

BFM72

Tot Ion:	152	Resp:	104717
Ion Ratio	Lower	Upper	
152	100		
151	20.3	15.9	23.9
153	13.6	9.8	14.8

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#50

Acenaphthene

Concen: 2.723 ng/ul

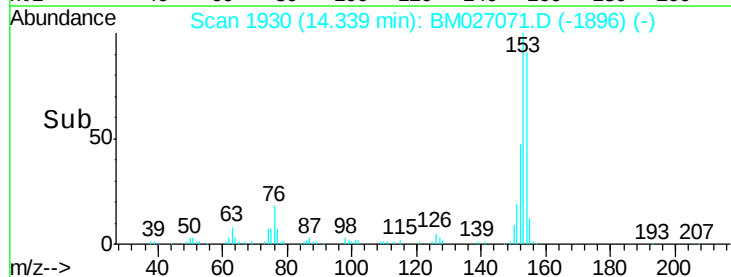
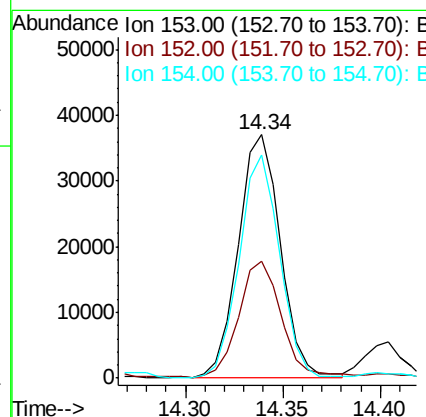
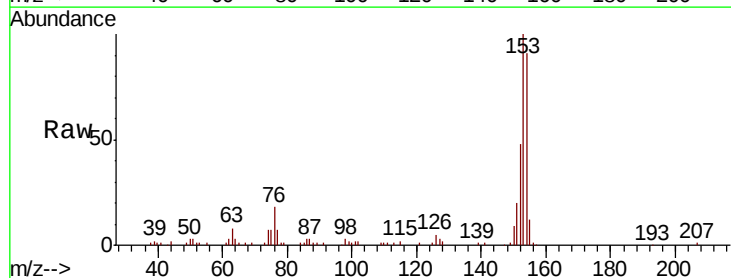
RT: 14.34 min Scan# 1930

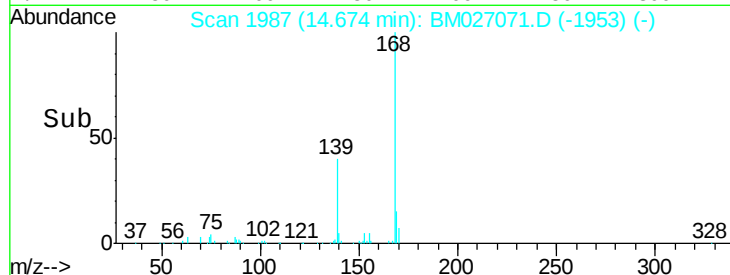
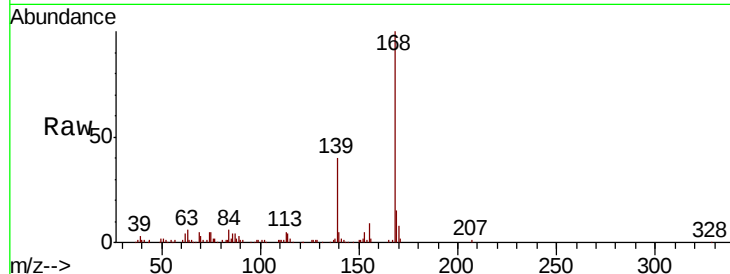
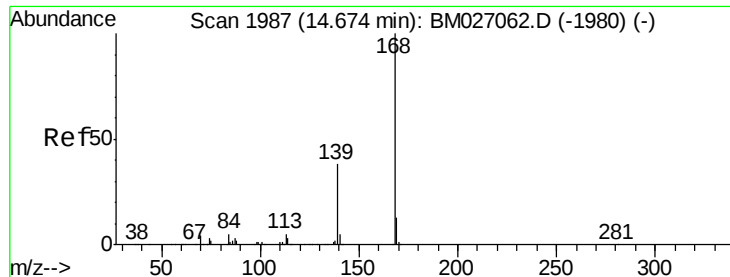
Delta R.T. -0.00 min

Lab File: BM027071.D

Acq: 13 Aug 2020 21:17

Tgt Ion:	153	Resp:	55528
Ion Ratio	Lower	Upper	
153	100		
152	48.0	35.9	53.9
154	91.5	69.4	104.0





#54

Dibenzofuran

Concen: 2.285 ng/ul

RT: 14.67 min Scan# 1987

Delta R.T. -0.00 min

Lab File: BM027071.D

Acq: 13 Aug 2020 21:17

Tot Ion:168 Resp: 66698

Ion Ratio Lower Upper

168 100

139 39.9 29.9 44.9

Instrument :

BNA_M

ClientSampleId :

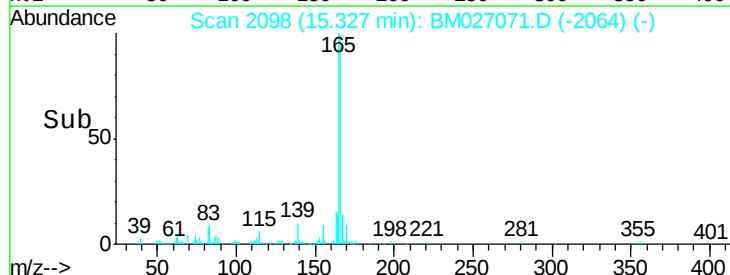
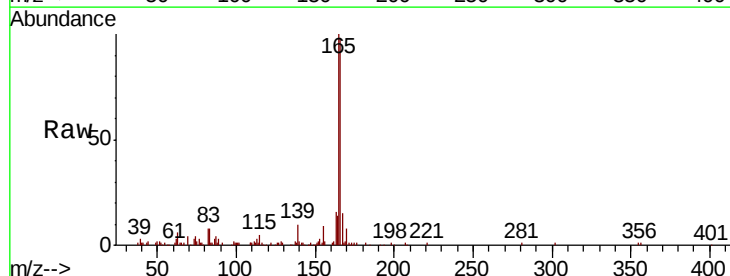
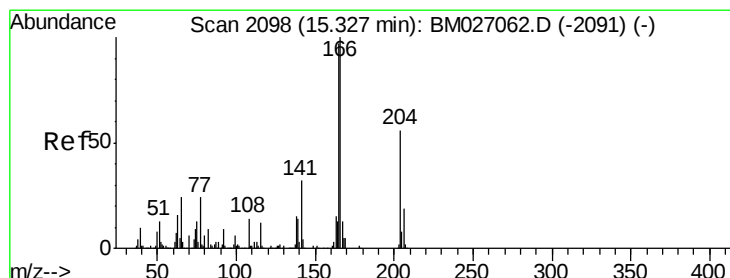
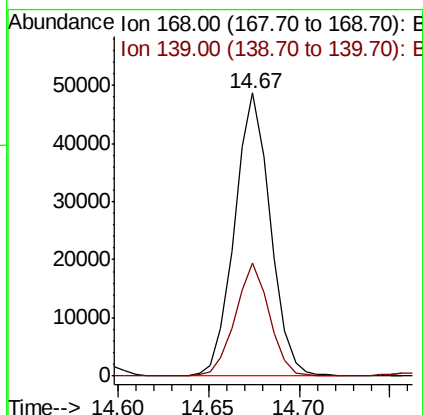
BFM72

Manual Integrations

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#59

Fluorene

Concen: 2.687 ng/ul

RT: 15.33 min Scan# 2098

Delta R.T. -0.00 min

Lab File: BM027071.D

Acq: 13 Aug 2020 21:17

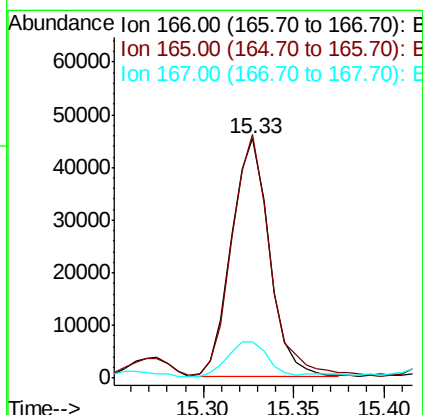
Tgt Ion:166 Resp: 65631

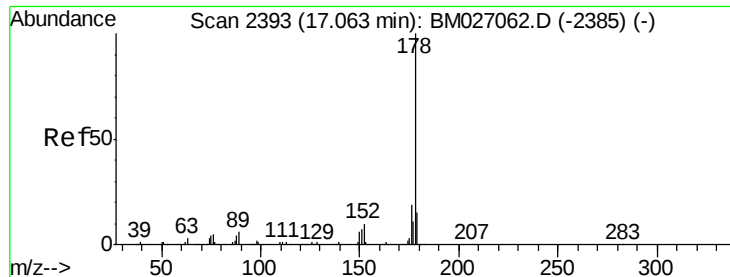
Ion Ratio Lower Upper

166 100

165 101.7 76.9 115.3

167 15.3 10.5 15.7





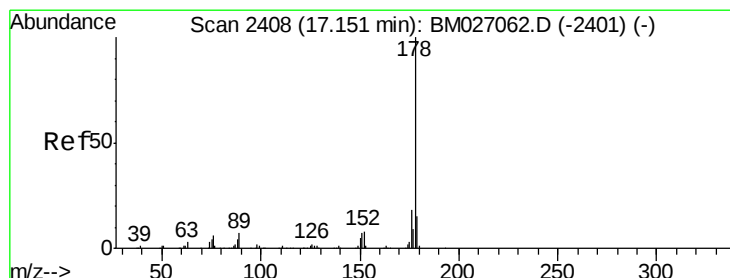
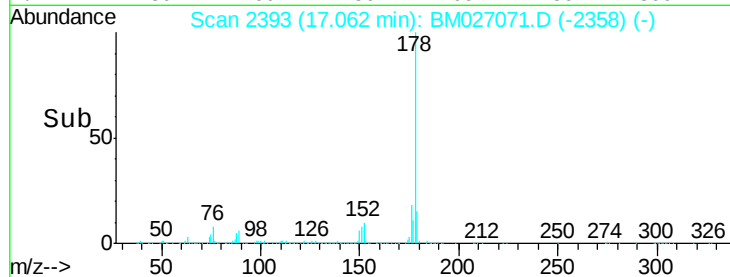
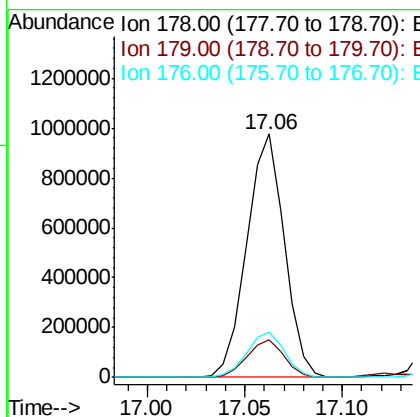
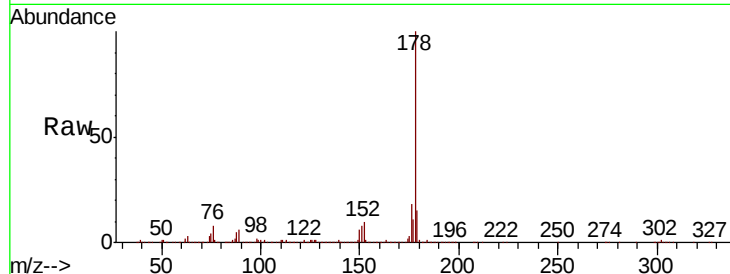
#70
Phenanthrene
Concen: 35.596 ng/ul
RT: 17.06 min Scan# 2393
Delta R.T. 0.01 min
Lab File: BM027071.D
Acq: 13 Aug 2020 21:17

Instrument :
BNA_M
ClientSampleId :
BFM72

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.2	11.9	17.9
176	18.5	14.6	22.0

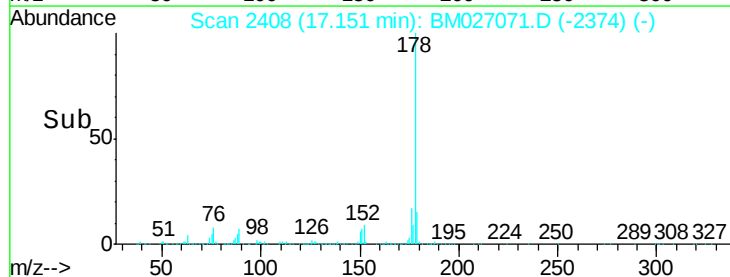
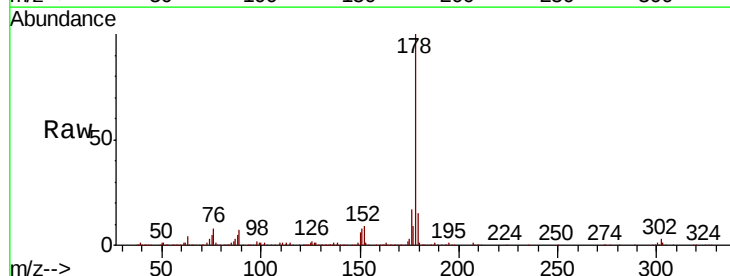
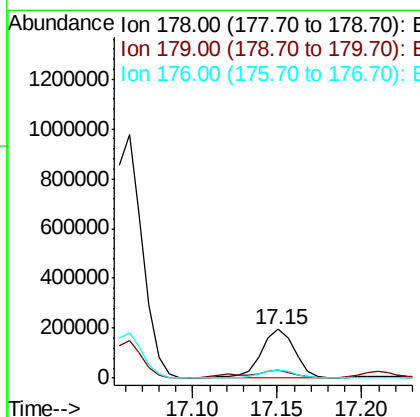
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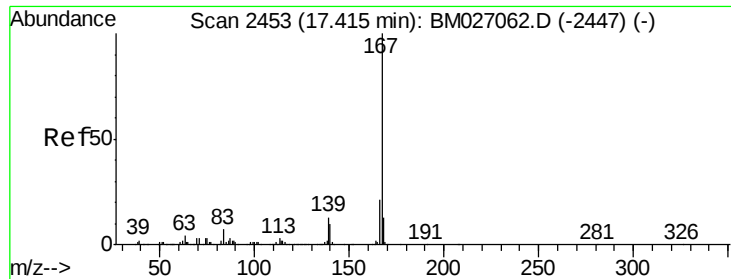
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#72
Anthracene
Concen: 7.312 ng/ul
RT: 17.15 min Scan# 2408
Delta R.T. -0.00 min
Lab File: BM027071.D
Acq: 13 Aug 2020 21:17

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.0	18.0
176	17.4	14.3	21.5





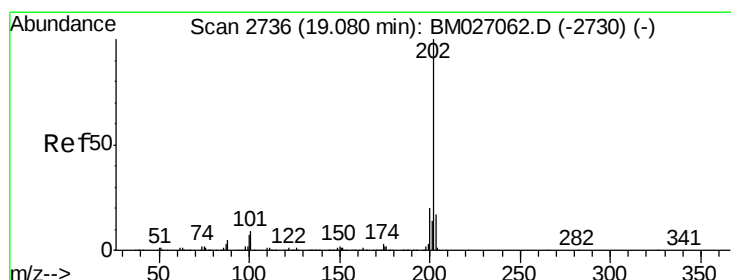
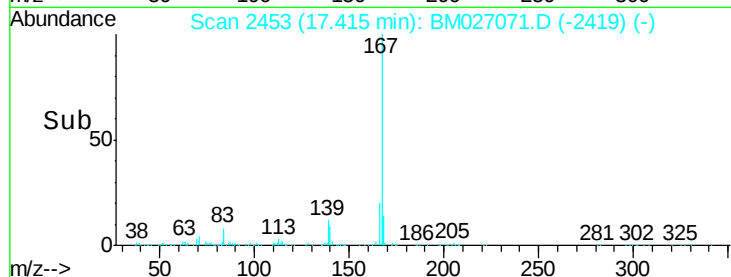
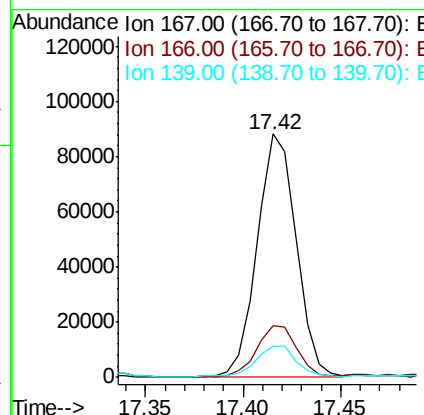
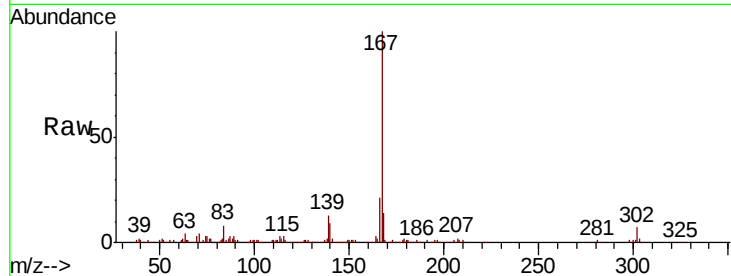
#75
 Carbazole
 Concen: 3.878 ng/ul
 RT: 17.42 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: BM027071.D
 Acq: 13 Aug 2020 21:17

Instrument :
 BNA_M
 ClientSampleId :
 BFM72

Tot Ion:	167	Resp:	121901
Ion Ratio	Lower	Upper	
167	100		
166	21.1	17.0	25.6
139	12.7	9.8	14.6

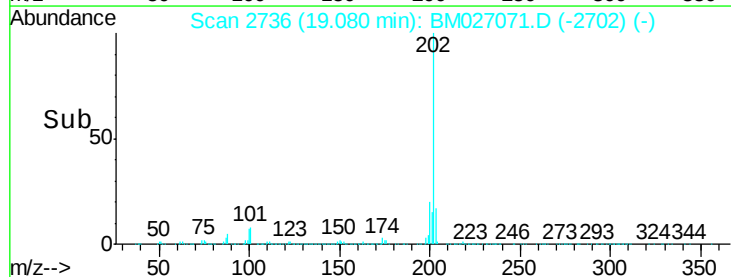
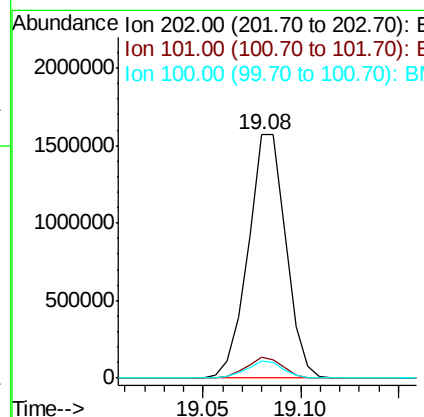
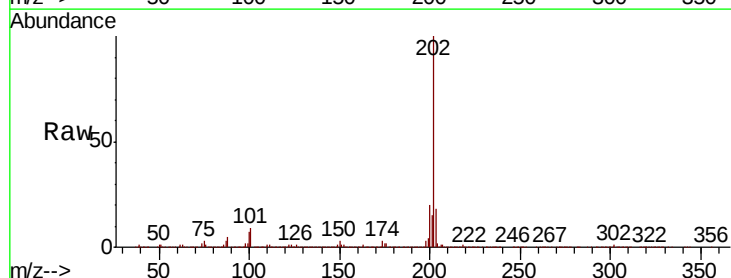
Manual Integrations
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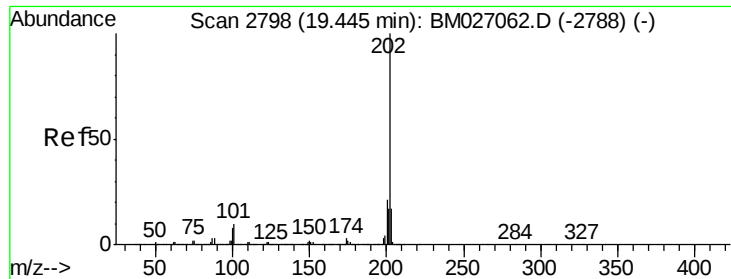
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#77
 Fluoranthene
 Concen: 47.397 ng/ul
 RT: 19.08 min Scan# 2736
 Delta R.T. -0.00 min
 Lab File: BM027071.D
 Acq: 13 Aug 2020 21:17

Tgt Ion:	202	Resp:	2103635
Ion Ratio	Lower	Upper	
202	100		
101	8.7	6.7	10.1
100	7.0	5.4	8.2





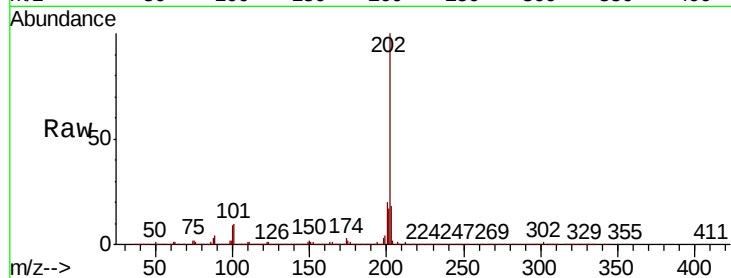
#80
Pvrene
Concen: 48.167 ng/ul
RT: 19.44 min Scan# 2798
Delta R.T. -0.00 min
Lab File: BM027071.D
Acq: 13 Aug 2020 21:17

Instrument :
BNA_M
ClientSampleId :
BFM72

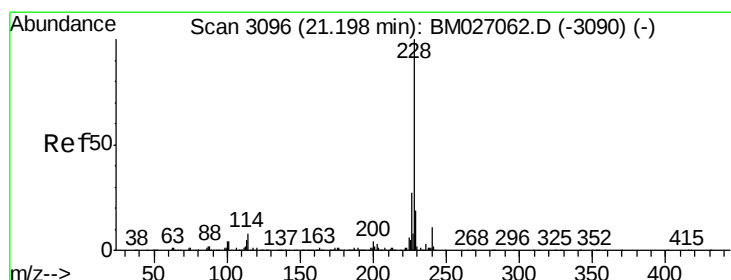
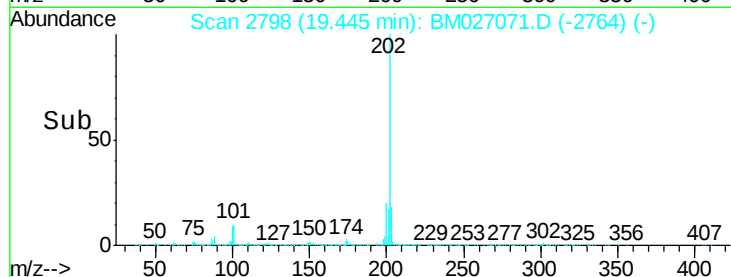
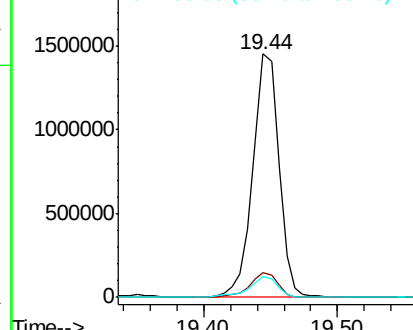
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.2	7.6	11.4
100	8.8	6.3	9.5

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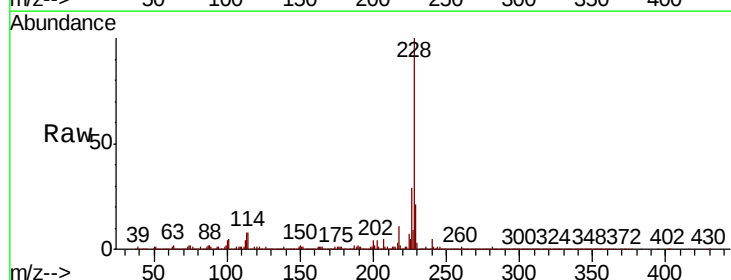


Abundance Ion 202.00 (201.70 to 202.70): E
2000000
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

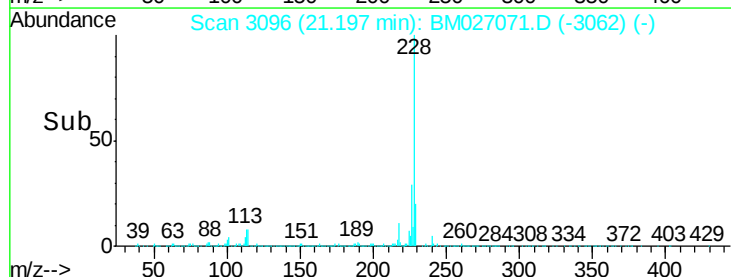
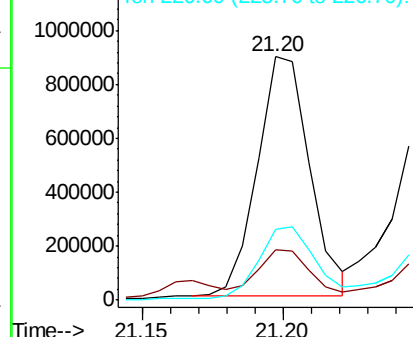


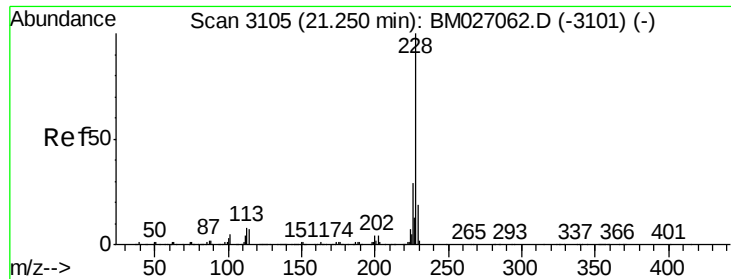
#83
Benzo(a)anthracene
Concen: 28.373 ng/ul
RT: 21.20 min Scan# 3096
Delta R.T. -0.00 min
Lab File: BM027071.D
Acq: 13 Aug 2020 21:17

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.8	23.6
226	28.9	21.2	31.8



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





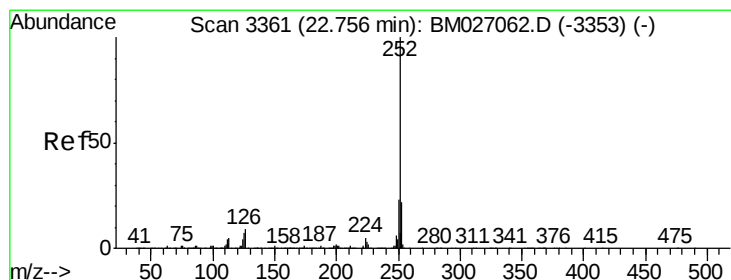
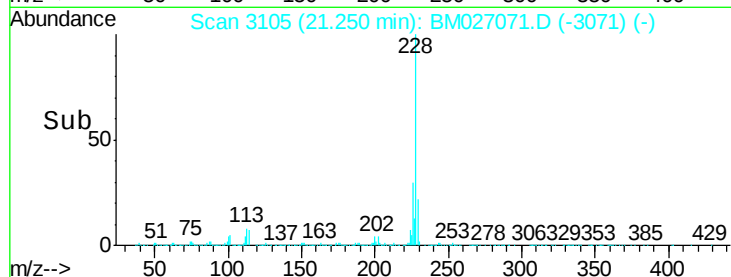
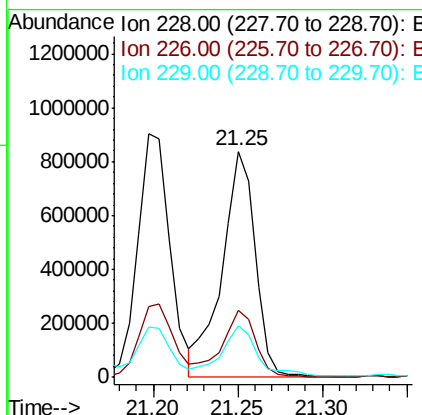
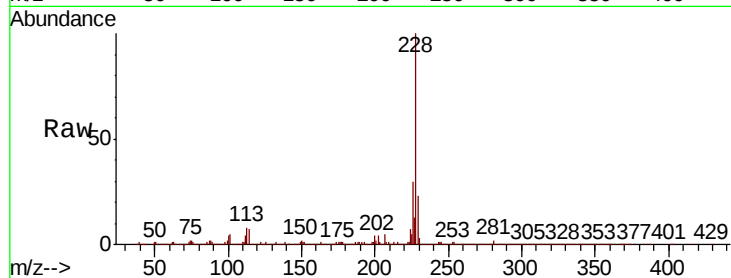
#85
Chrysene
Concen: 28.744 ng/ul
RT: 21.25 min Scan# 3105
Delta R.T. -0.00 min
Lab File: BM027071.D
Acq: 13 Aug 2020 21:17

Instrument :
BNA_M
ClientSampleId :
BFM72

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.6
229	23.1	15.8	23.8

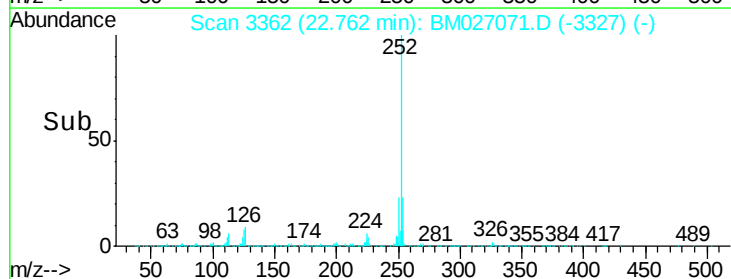
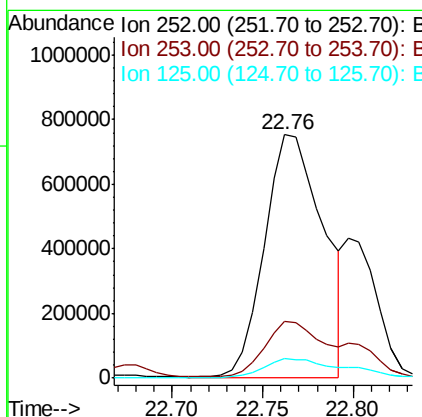
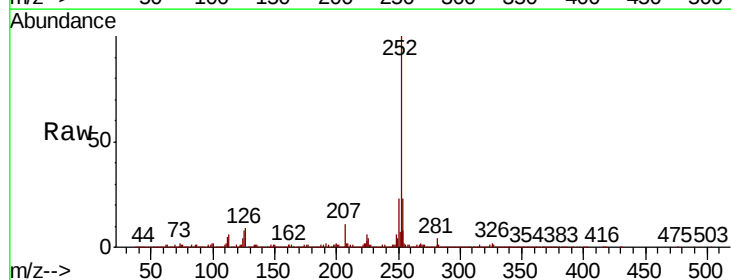
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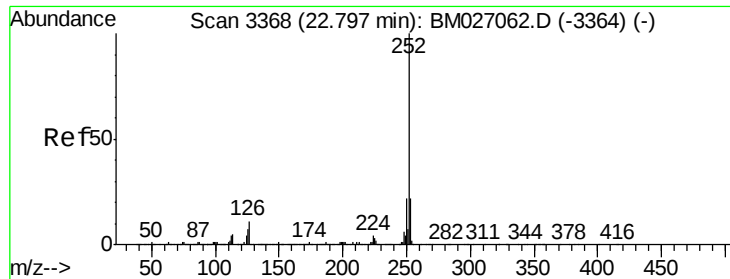
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#88
Benzo(b)fluoranthene
Concen: 39.819 ng/ul
RT: 22.76 min Scan# 3362
Delta R.T. 0.01 min
Lab File: BM027071.D
Acq: 13 Aug 2020 21:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.6	26.4
125	7.9	6.0	9.0





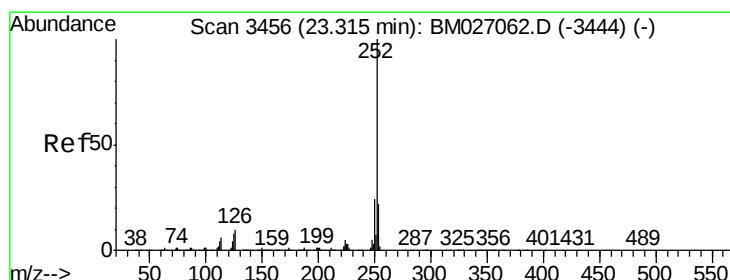
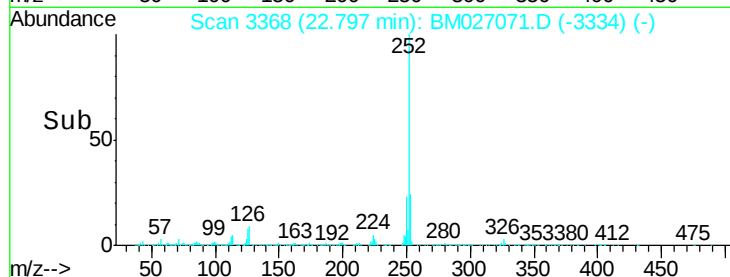
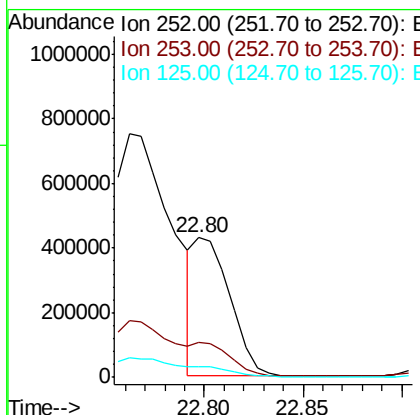
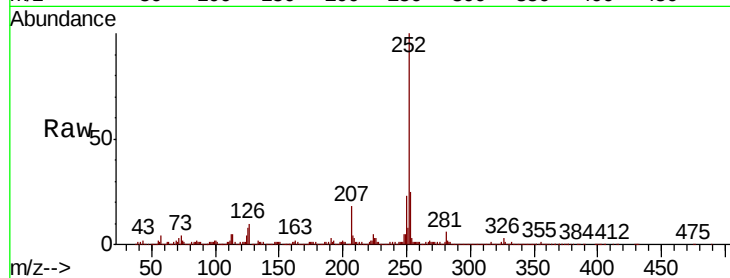
#89
Benzo(k)fluoranthene
Concen: 12.593 ng/u1 m
RT: 22.80 min Scan# 3368
Delta R.T. -0.00 min
Lab File: BM027071.D
Acq: 13 Aug 2020 21:17

Instrument :
BNA_M
ClientSampled :
BFM72

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.2	25.8
125	7.9	5.5	8.3

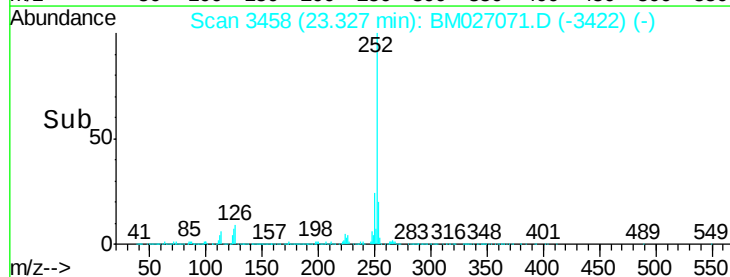
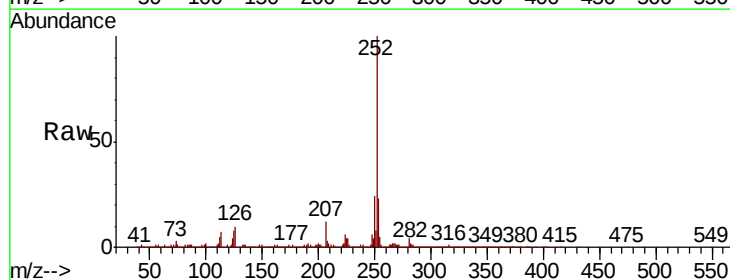
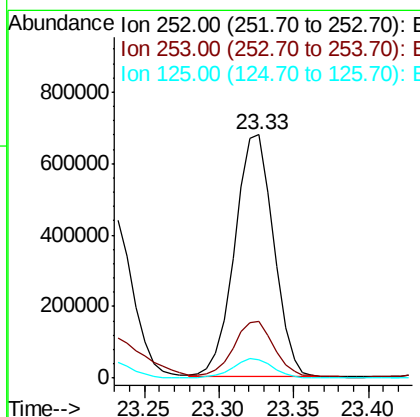
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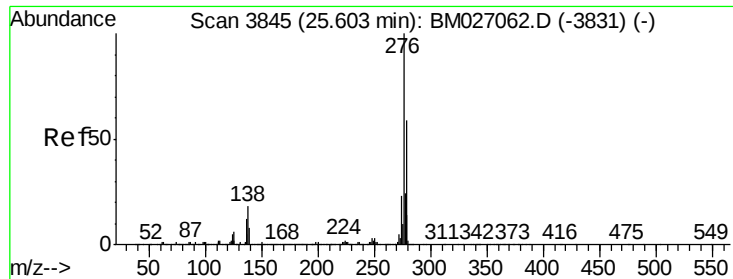
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#91
Benzo(a)pyrene
Concen: 31.822 ng/u1
RT: 23.33 min Scan# 3458
Delta R.T. 0.01 min
Lab File: BM027071.D
Acq: 13 Aug 2020 21:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.4
125	7.7	5.8	8.8





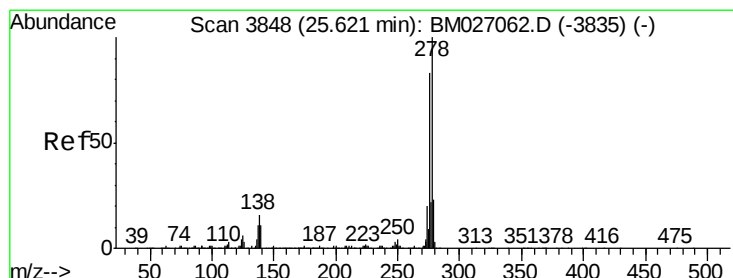
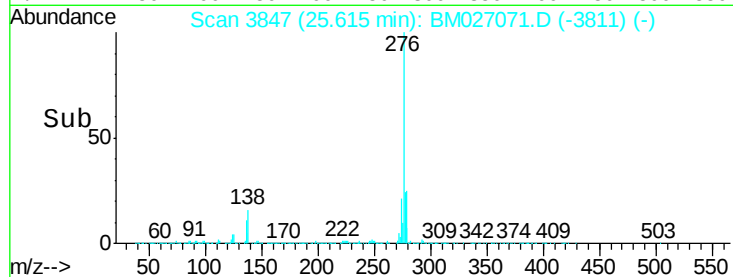
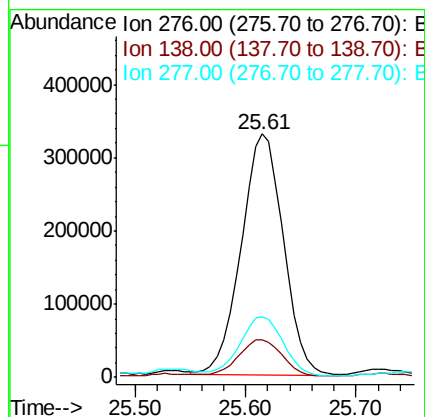
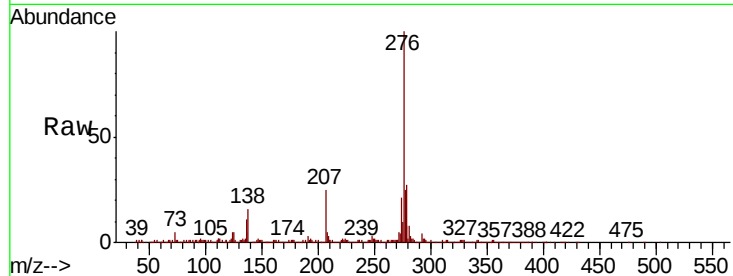
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 17.682 ng/ul
 RT: 25.61 min Scan# 3847
 Delta R.T. 0.01 min
 Lab File: BM027071.D
 Acq: 13 Aug 2020 21:17

Instrument :
 BNA_M
 ClientSampleId :
 BFM72

Tot Ion:	276	Resp:	881430
Ion Ratio	Lower	Upper	
276	100		
138	15.5	13.9	20.9
277	24.8	19.8	29.8

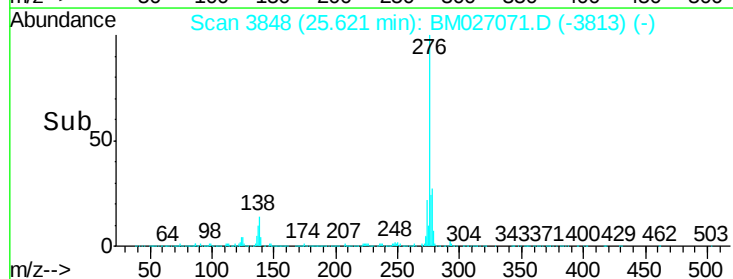
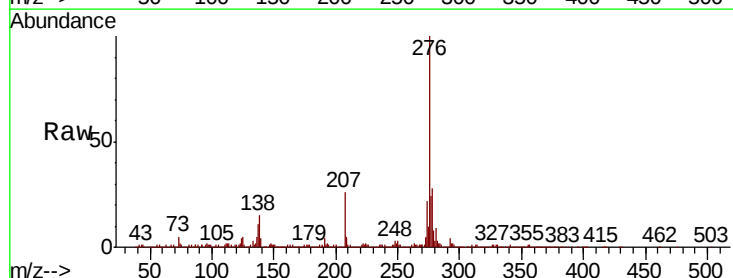
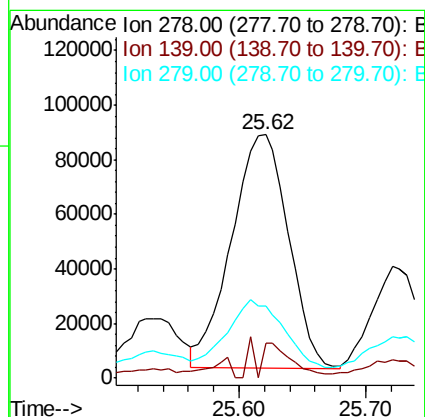
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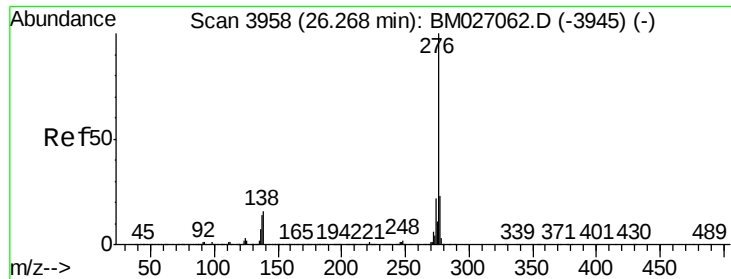
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#93
 Dibenzo(a,h)anthracene
 Concen: 6.348 ng/ul
 RT: 25.62 min Scan# 3848
 Delta R.T. 0.01 min
 Lab File: BM027071.D
 Acq: 13 Aug 2020 21:17

Tgt Ion:	278	Resp:	268035
Ion Ratio	Lower	Upper	
278	100		
139	14.5	9.4	14.0#
279	29.6	18.7	28.1#





#94

Benzo(a,h,i)perylene

Concen: 18.602 ng/ul

RT: 26.29 min Scan# 3962

Delta R.T. 0.02 min

Lab File: BM027071.D

Acq: 13 Aug 2020 21:17

Instrument :

BNA_M

ClientSampleId :

BFM72

Tot Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	15.8	12.3	18.5
277	24.3	19.0	28.6

Manual Integrations
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