

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM032619\
 Data File : BM019489.D
 Acq On : 27 Mar 2019 02:36
 Operator : JU/SJ
 Sample : K2069-10
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C09C9

Manual Integrations
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Sohil
 3/27/2019 5:46:38 PM

Quant Time: Mar 28 09:45:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 27 03:30:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	188064m	20.00	ng/ul	0.06
18) Naphthalene-d8	10.79	136	492902m	20.00	ng/ul	0.41
36) Acenaphthene-d10	14.29	164	414242	20.00	ng/ul	0.03
62) Phenanthrene-d10	17.02	188	902745	20.00	ng/ul	0.00
78) Chrysene-d12	21.22	240	947124	20.00	ng/ul	0.00
86) Perylene-d12	23.43	264	912386	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	13828	2.88	ng/uL	0.00
5) Phenol-d5	6.80	99	109801m	6.56	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.09	67	300990m	26.85	ng/ul	0.14
9) 2-Chlorophenol-d4	7.15	132	317338m	25.00	ng/ul	0.02
13) 4-Methylphenol-d8	8.41	113	161643m	12.86	ng/ul	0.10
19) Nitrobenzene-d5	8.86	128	160991m	45.79	ng/ul	0.09
22) 2-Nitrophenol-d4	9.59	143	178510m	45.62	ng/ul	0.11
26) 2,4-Dichlorophenol-d3	10.17	165	344242m	46.62	ng/ul	0.16
29) 4-Chloroaniline-d4	10.80	131	28532m	3.22	ng/ul	0.26
44) Dimethylphthalate-d6	13.70	166	1122121	33.57	ng/ul	0.03
47) Acenaphthylene-d8	13.99	160	1496734	35.81	ng/ul	0.04
52) 4-Nitrophenol-d4	14.52	143	38118	7.28	ng/ul	0.02
58) Fluorene-d10	15.27	176	985147	34.21	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.40	200	165463	27.72	ng/ul	0.00
71) Anthracene-d10	17.12	188	1512637	34.92	ng/ul	0.00
79) Pyrene-d10	19.42	212	1631611	37.30	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.29	264	1580104	32.67	ng/ul	0.00

Target Compounds

					Qvalue	
28) Naphthalene	10.80	128	843790m	33.045	ng/ul	
31) Hexachlorobutadiene	10.90	225	15932m	3.461	ng/ul	
34) 2-Methylnaphthalene	12.12	142	454093m	25.380	ng/ul	
37) 1,2,4,5-Tetrachlorobenzene	12.50	216	63282169m	4800.846	ng/ul	
41) 1,1'-Biphenyl	13.30	154	826546m	23.427	ng/ul	
45) Dimethylphthalate	13.75	163	49129	1.465	ng/ul#	97
50) Acenaphthene	14.35	153	206258	7.070	ng/ul	100
54) Dibenzofuran	14.71	168	533297	13.090	ng/ul	94
59) Fluorene	15.33	166	364045	11.276	ng/ul	99
67) Hexachlorobenzene	16.32	284	989806	83.379	ng/ul	92
70) Phenanthrene	17.06	178	2365955	46.224	ng/ul	100
72) Anthracene	17.15	178	297822	5.703	ng/ul	97
73) 1,2,3,4-Tetrachlorobenzene	13.12	216	103701465m	7923.316	ng/uL	
74) Pentachlorobenzene	14.63	250	36561775m	2670.683	ng/uL	
77) Fluoranthene	19.09	202	978425	16.682	ng/ul#	87
80) Pyrene	19.45	202	630950	11.073	ng/ul#	82
83) Benzo(a)anthracene	21.20	228	158395	2.779	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.13	149	1941971	59.386	ng/ul	96
85) Chrysene	21.26	228	150943	2.759	ng/ul	98
88) Benzo(b)fluoranthene	22.77	252	101877	1.833	ng/ul#	91

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

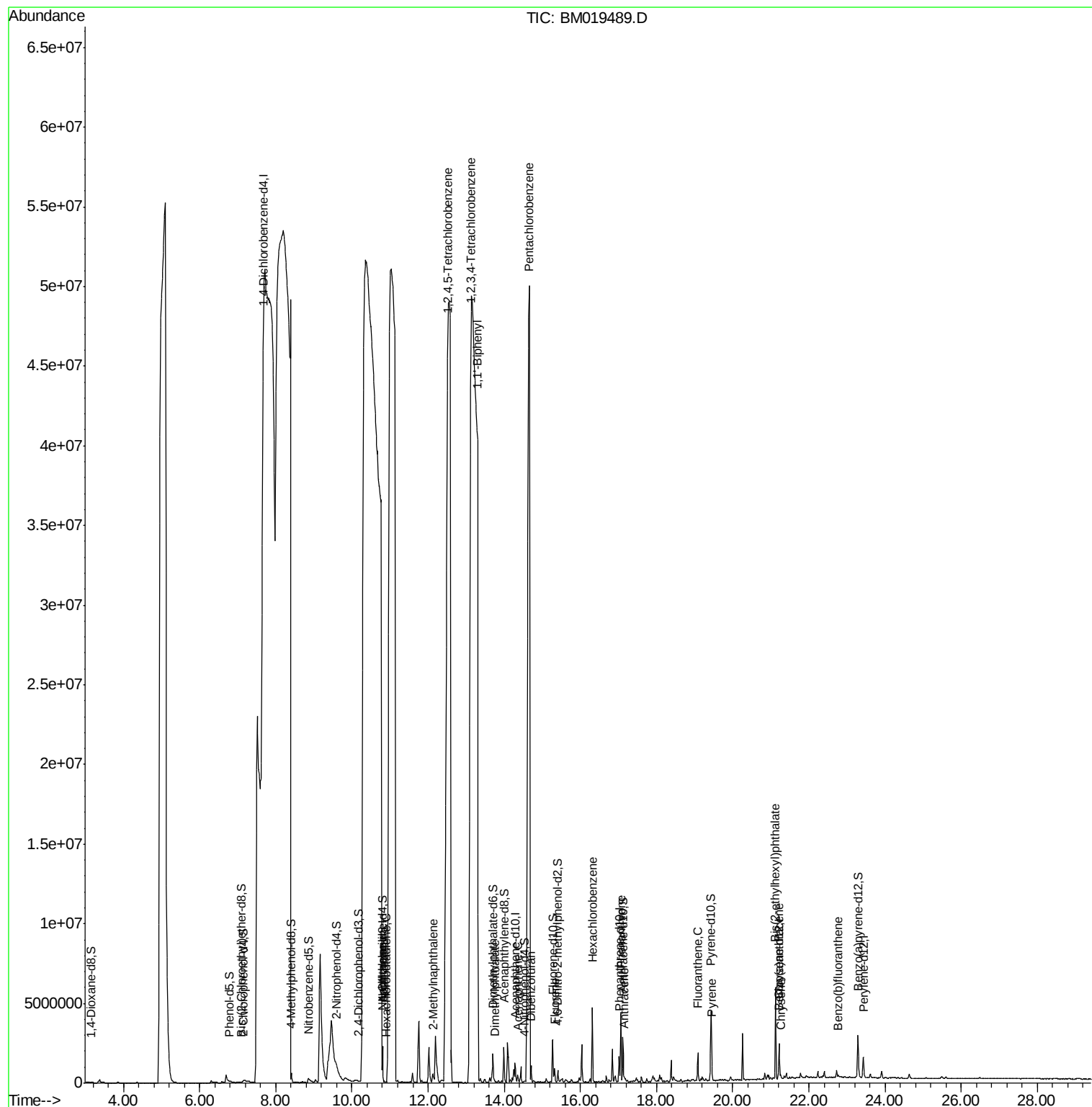
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM032619\
Data File : BM019489.D
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ALS Vial : 20 Sample Multiplier: 1

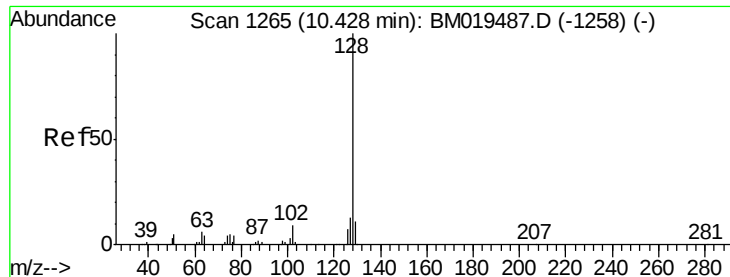
Instrument :
BNA_M
ClientSampleId :
C09C9

Manual Integrations
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Quant Title : SVOA CALIBRATION
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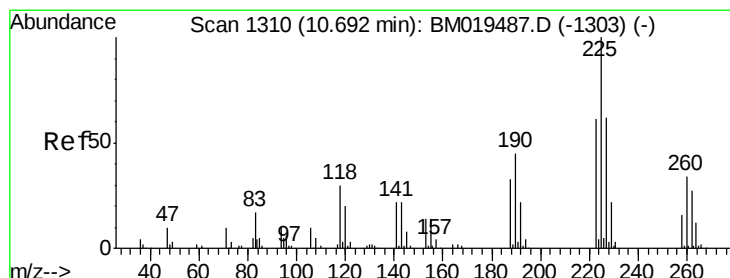
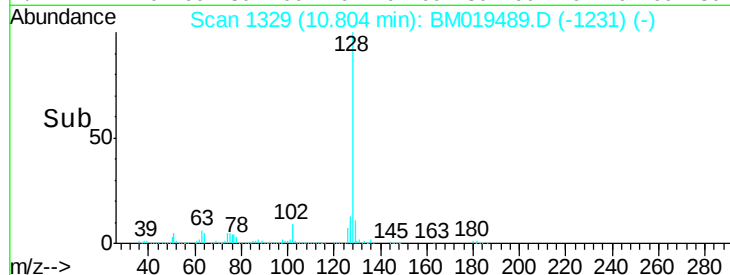
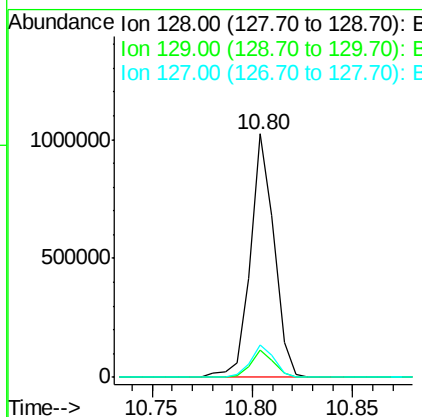
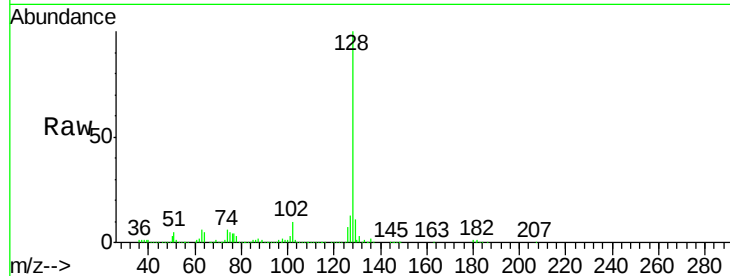
#28
Naphthalene
Concen: 33.045 ng/ul m
RT: 10.80 min Scan# 1329
Delta R.T. 0.38 min
Lab File: BM019489.D
Acq: 27 Mar 2019 02:36

Instrument :
BNA_M
ClientSampled :
C09C9

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.3	12.5
127	13.3	10.8	16.2

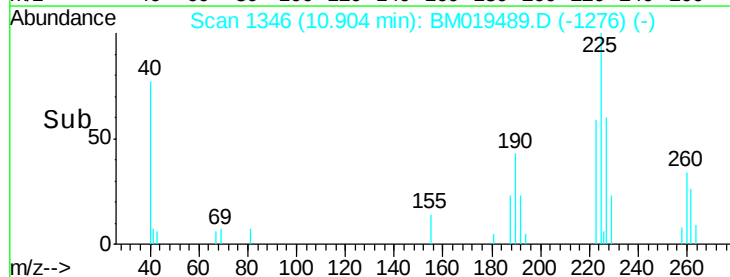
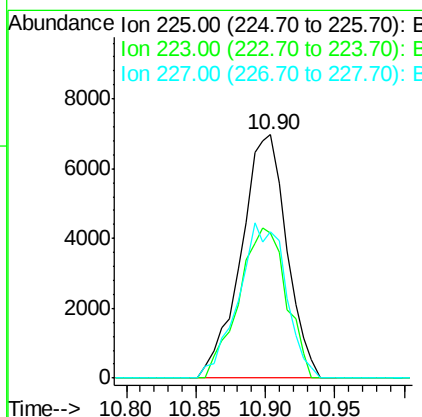
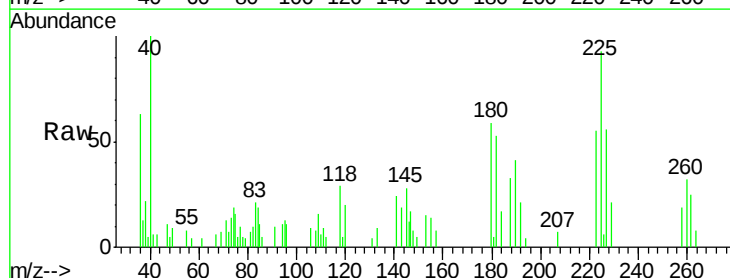
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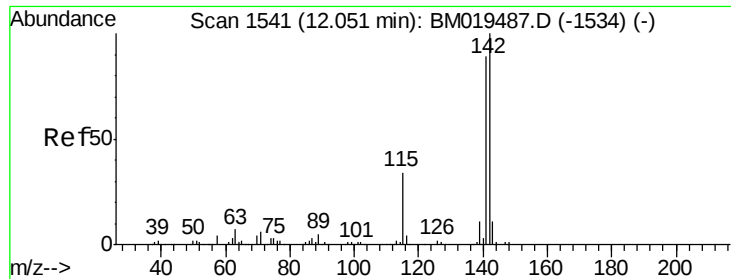
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#31
Hexachlorobutadiene
Concen: 3.461 ng/ul m
RT: 10.90 min Scan# 1346
Delta R.T. 0.21 min
Lab File: BM019489.D
Acq: 27 Mar 2019 02:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.4	48.1	72.1
227	60.1	52.1	78.1





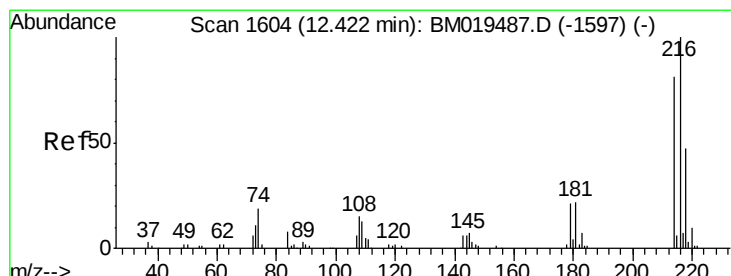
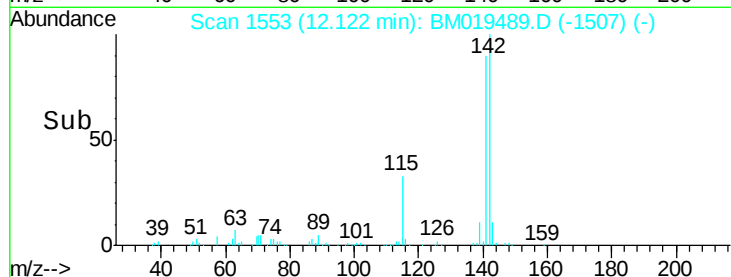
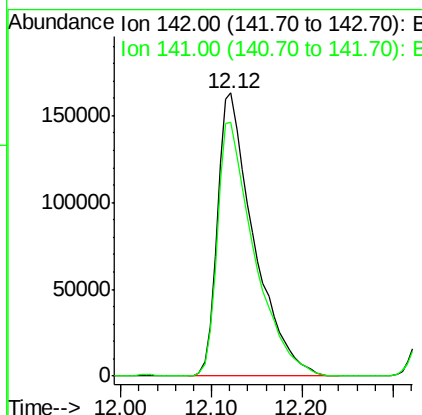
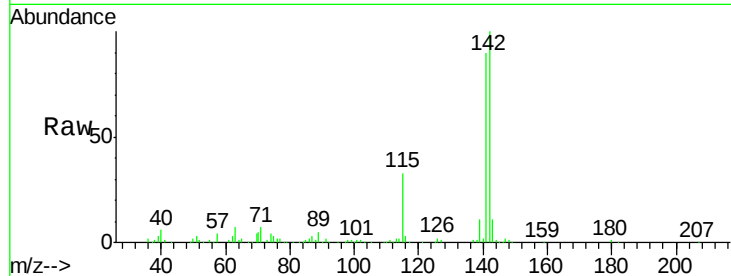
#34
2-Methylnaphthalene
Concen: 25.380 ng/ul m
RT: 12.12 min Scan# 1553
Delta R.T. 0.07 min
Lab File: BM019489.D
Acq: 27 Mar 2019 02:36

Instrument :
BNA_M
ClientSampleId :
C09C9

Tgt Ion:142 Resp: 454093
Ion Ratio Lower Upper
142 100
141 89.6 71.4 107.2

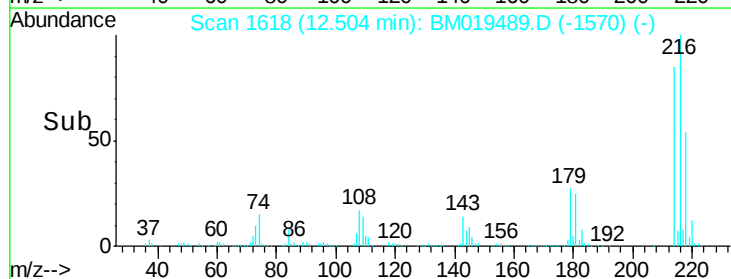
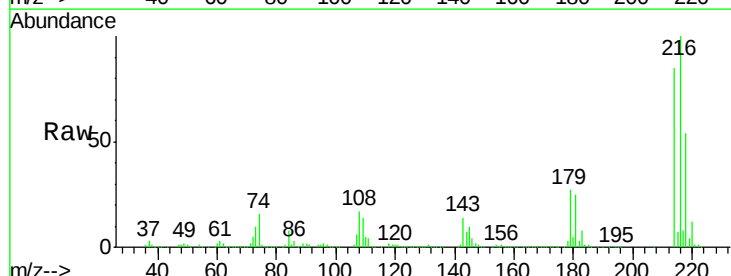
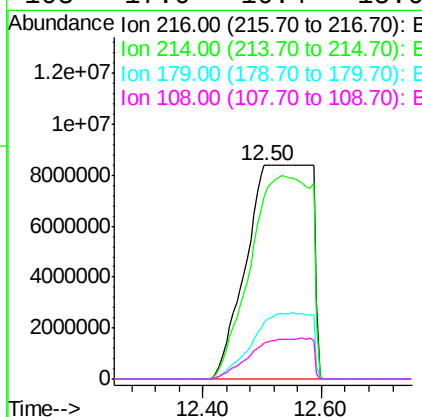
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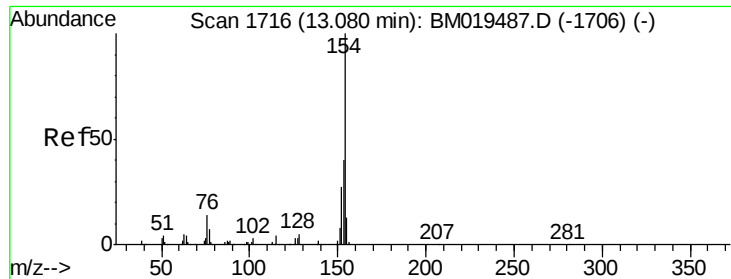
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#37
1,2,4,5-Tetrachlorobenzene
Concen: 4800.846 ng/ul m
RT: 12.50 min Scan# 1618
Delta R.T. 0.08 min
Lab File: BM019489.D
Acq: 27 Mar 2019 02:36

Tgt Ion:216 Resp:63282169
Ion Ratio Lower Upper
216 100
214 85.1 64.1 96.1
179 26.5 14.5 21.7#
108 17.0 10.4 15.6#





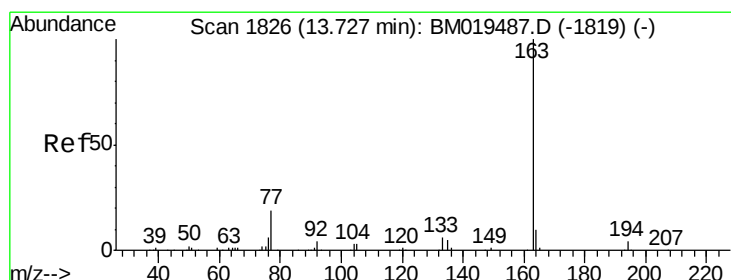
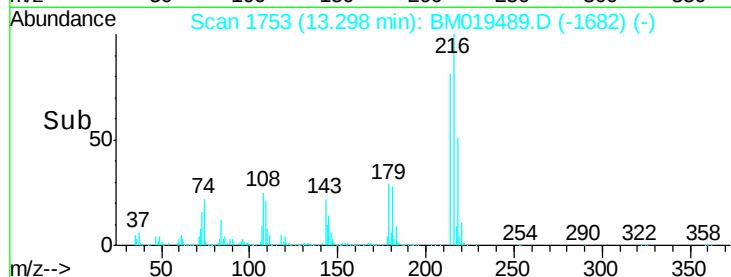
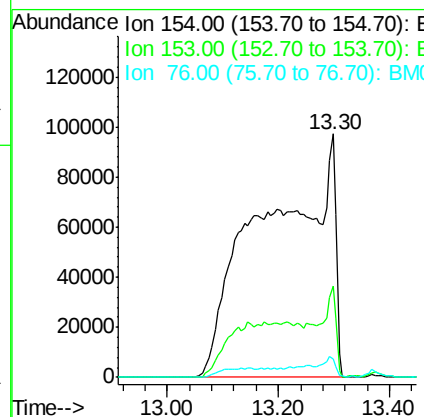
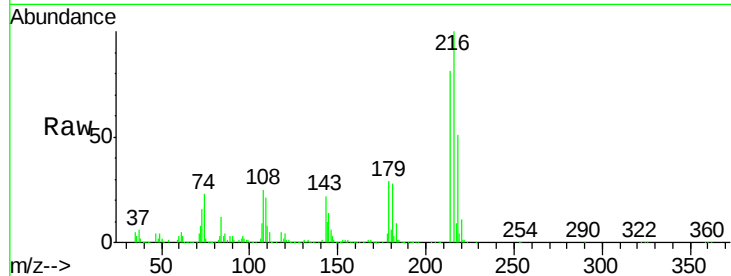
#41
 1,1'-Biphenyl
 Concen: 23.427 ng/ul m
 RT: 13.30 min Scan# 1753
 Delta R.T. 0.22 min
 Lab File: BM019489.D
 Acq: 27 Mar 2019 02:36

Instrument :
 BNA_M
 ClientSampleId :
 C09C9

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	37.6	34.0	51.0	
76	7.6	8.4	12.6	

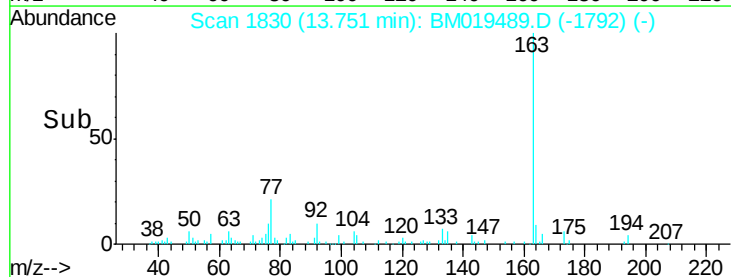
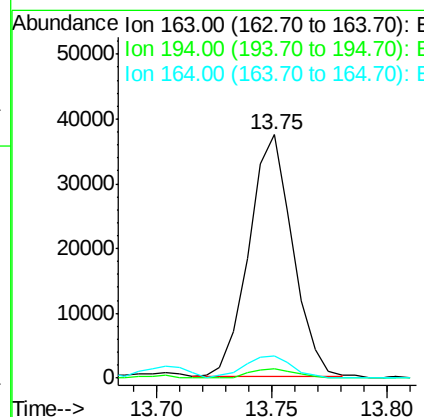
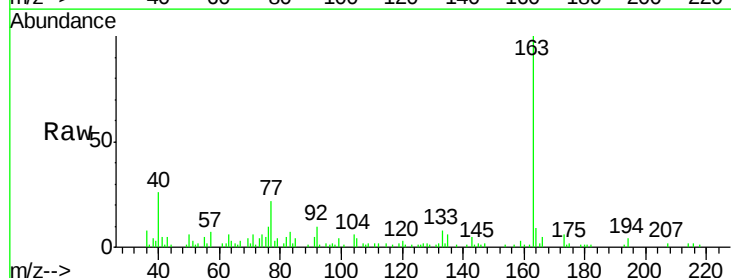
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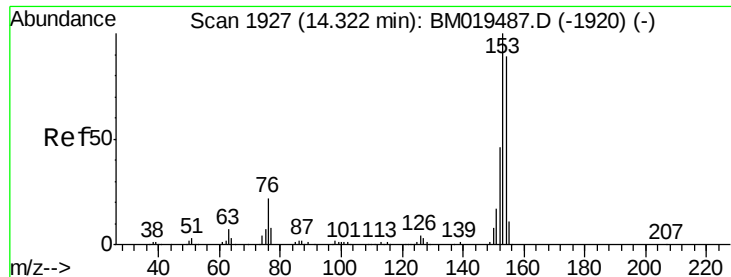
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#45
 Dimethylphthalate
 Concen: 1.465 ng/ul
 RT: 13.75 min Scan# 1830
 Delta R.T. 0.02 min
 Lab File: BM019489.D
 Acq: 27 Mar 2019 02:36

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.8	4.0	6.0	
164	9.3	8.4	12.6	





#50

Acenaphthene

Concen: 7.070 ng/ul

RT: 14.35 min Scan# 1932

Delta R.T. 0.03 min

Lab File: BM019489.D

Acq: 27 Mar 2019 02:36

Instrument :

BNA_M

ClientSampleId :

C09C9

Tgt Ion:153 Resp: 206258
Ion Ratio Lower Upper

153 100

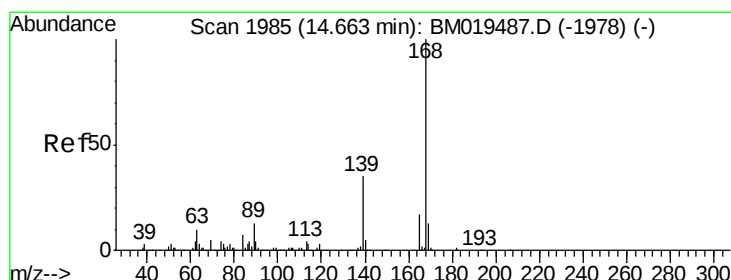
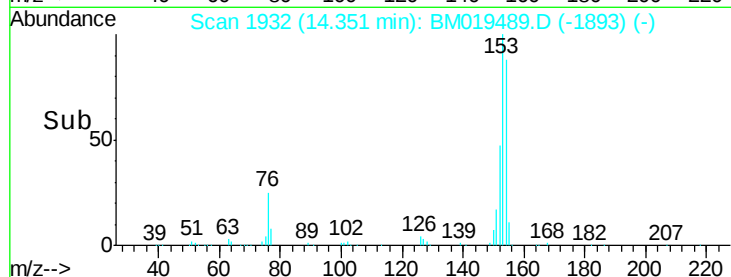
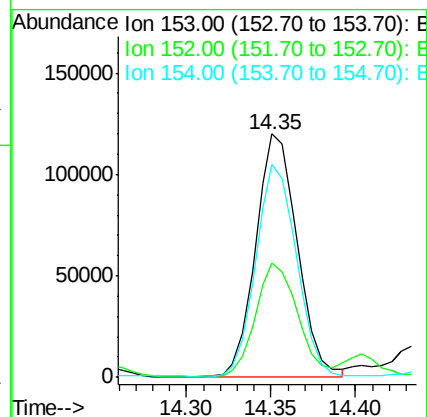
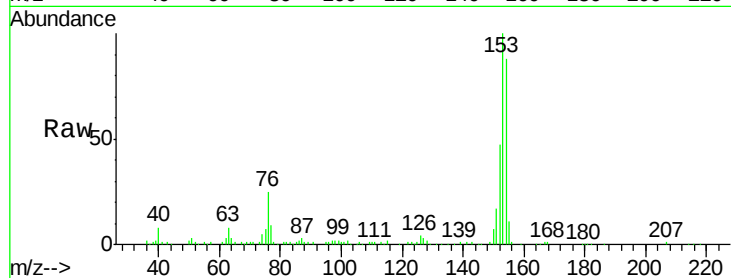
152 47.1 37.9 56.9

154 87.7 69.8 104.6

Manual Integrations
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#54

Dibenzofuran

Concen: 13.090 ng/ul

RT: 14.71 min Scan# 1993

Delta R.T. 0.05 min

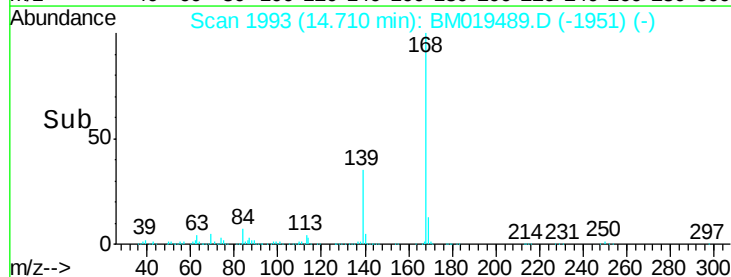
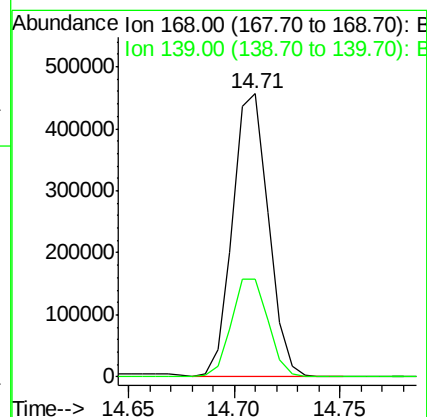
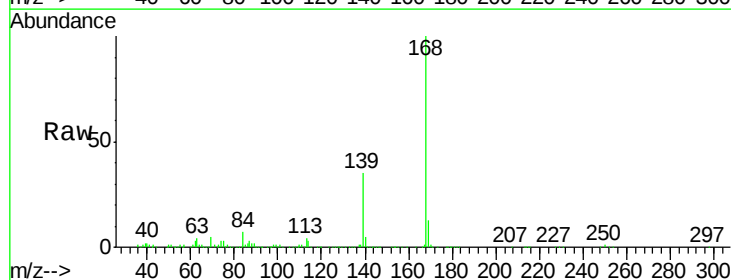
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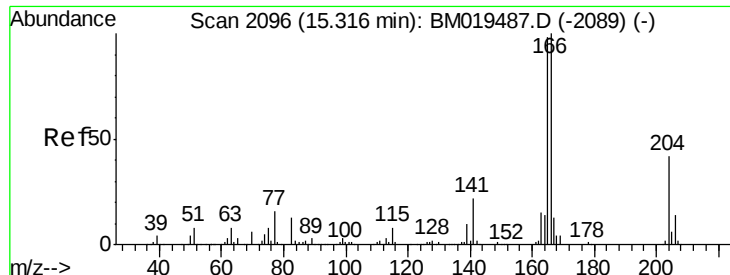
Acq: 27 Mar 2019 02:36

Tgt Ion:168 Resp: 533297
Ion Ratio Lower Upper

168 100

139 34.8 31.0 46.4





#59

Fluorene

Concen: 11.276 ng/ul

RT: 15.33 min Scan# 2098

Delta R.T. 0.01 min

Lab File: BM019489.D

Acq: 27 Mar 2019 02:36

Instrument :

BNA_M

ClientSampleId :

C09C9

Tgt Ion:166 Resp: 364045

Ion Ratio Lower Upper

166 100

165 98.5 78.4 117.6

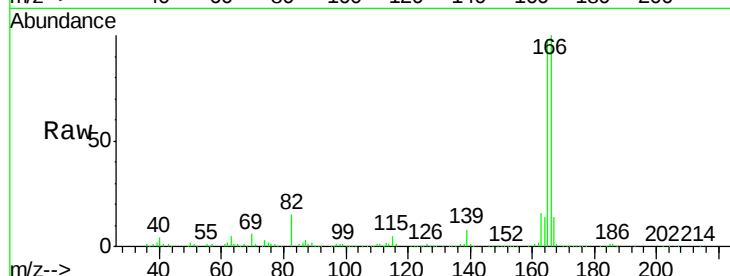
167 14.4 11.1 16.7

Manual Integrations

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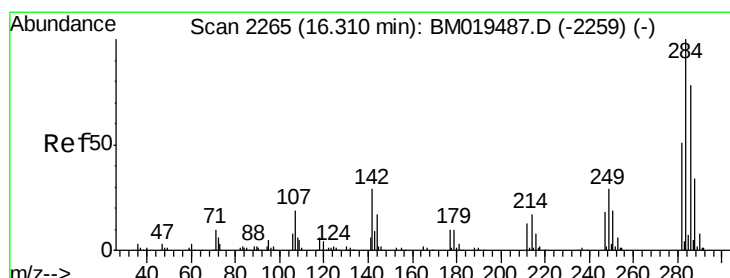
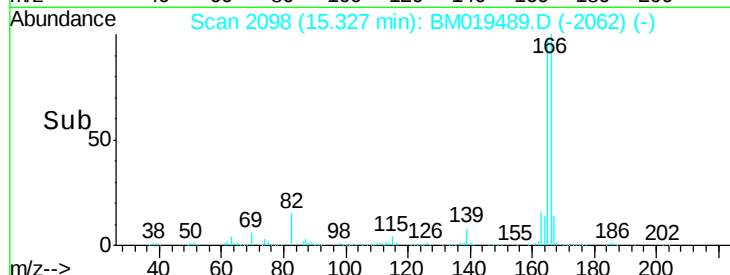
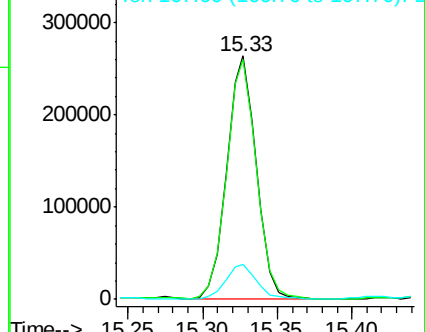
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#67

Hexachlorobenzene

Concen: 83.379 ng/ul

RT: 16.32 min Scan# 2266

Delta R.T. 0.01 min

Lab File: BM019489.D

Acq: 27 Mar 2019 02:36

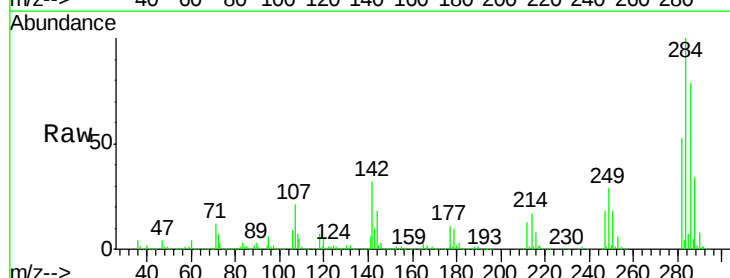
Tgt Ion:284 Resp: 989806

Ion Ratio Lower Upper

284 100

142 31.7 21.3 31.9

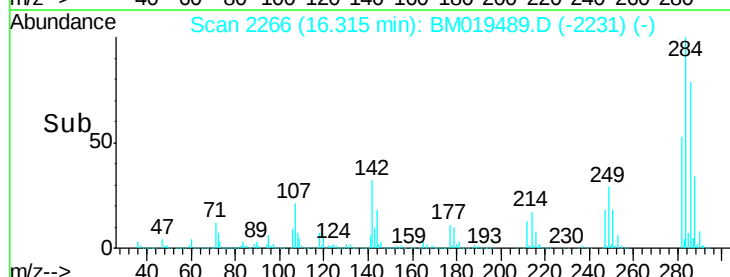
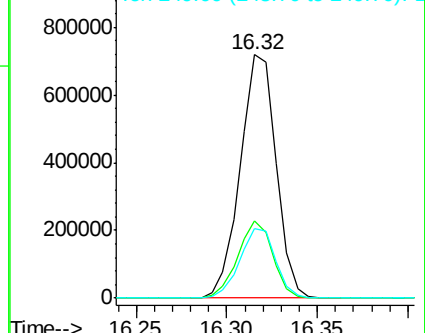
249 28.8 26.3 39.5

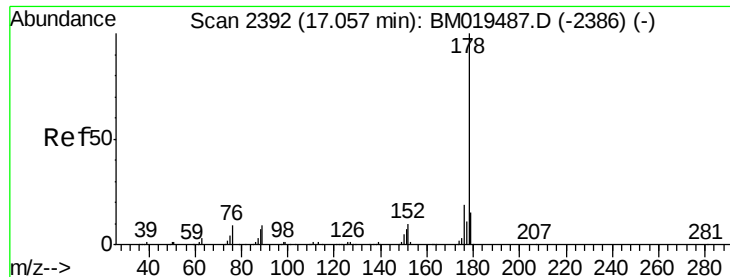


Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





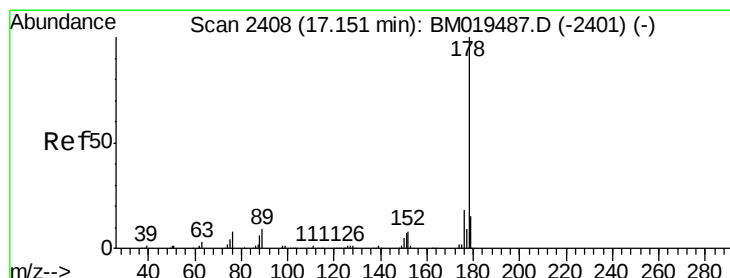
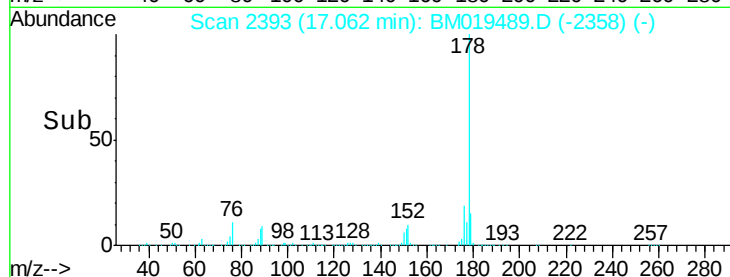
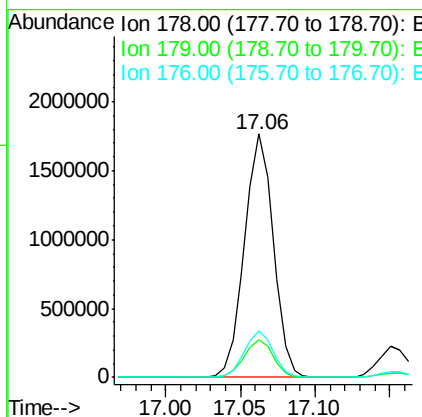
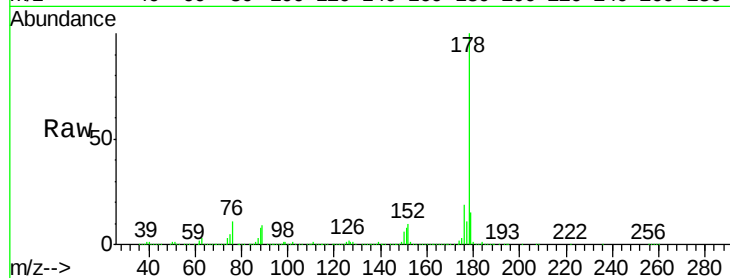
#70
Phenanthrene
Concen: 46.224 ng/ul
RT: 17.06 min Scan# 2393
Delta R.T. 0.01 min
Lab File: BM019489.D
Acq: 27 Mar 2019 02:36

Instrument :
BNA_M
ClientSampleId :
C09C9

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	18.9	15.4	23.0

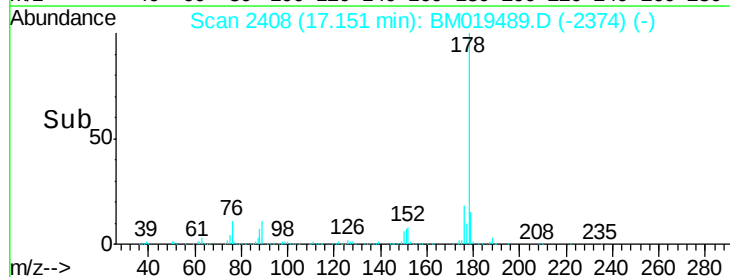
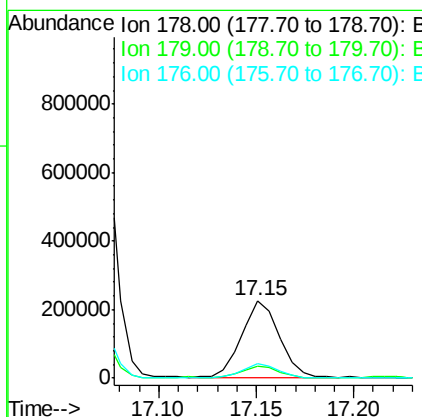
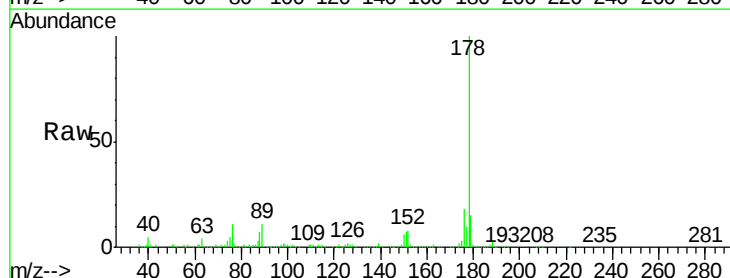
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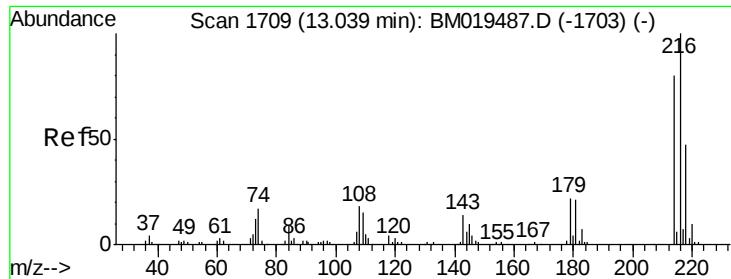
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#72
Anthracene
Concen: 5.703 ng/ul
RT: 17.15 min Scan# 2408
Delta R.T. 0.00 min
Lab File: BM019489.D
Acq: 27 Mar 2019 02:36

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	13.4	20.2
176	17.9	15.4	23.0





#73
 1,2,3,4-Tetrachlorobenzene
 Concen: 7923.316 ng/uL m
 RT: 13.12 min Scan# 1722
 Delta R.T. 0.08 min
 Lab File: BM019489.D
 Acq: 27 Mar 2019 02:36

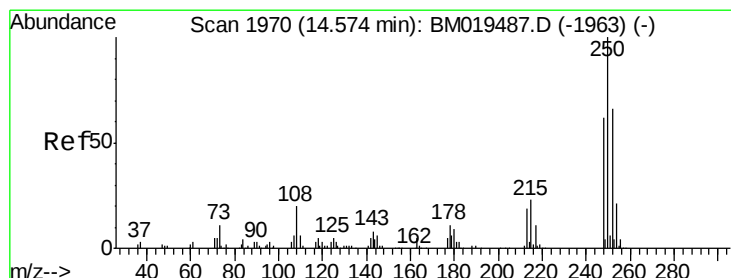
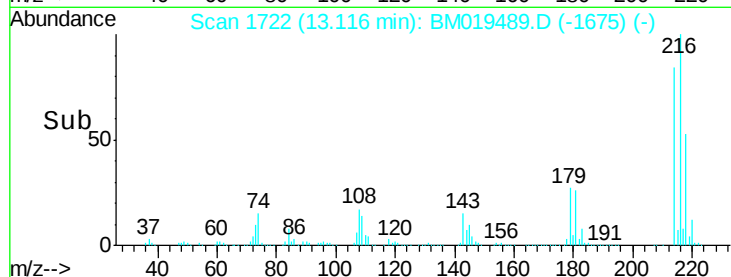
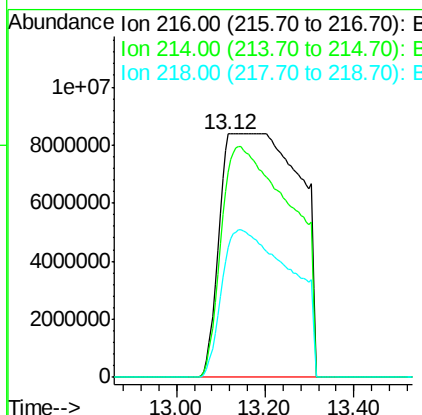
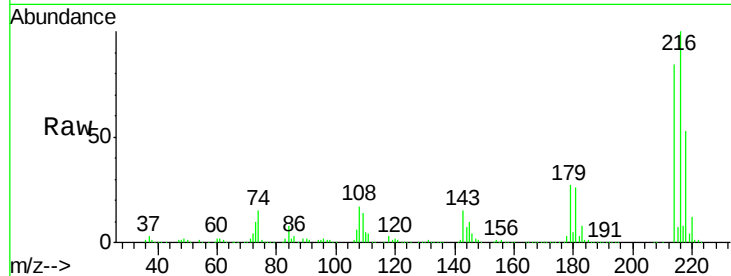
Instrument :
 BNA_M
 ClientSampled :
 C09C9

Tgt Ion: 216 Resp: 10370146

Ion	Ratio	Lower	Upper
216	100		
214	84.4	64.1	96.1
218	53.4	39.4	59.0

Manual Integrations
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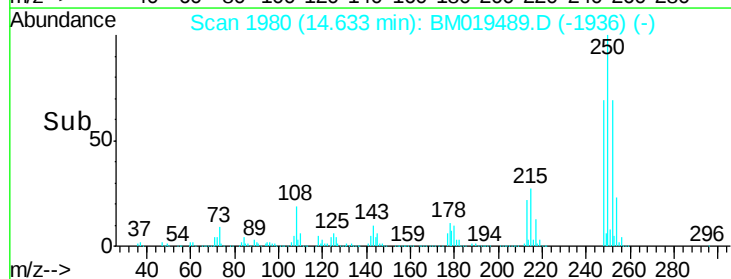
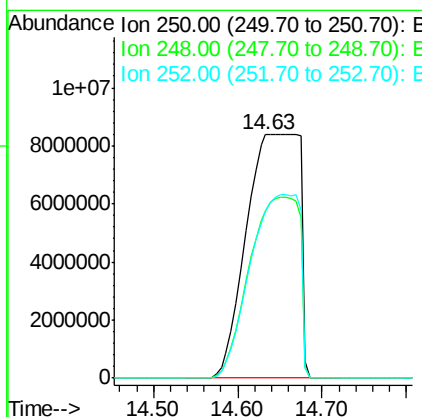
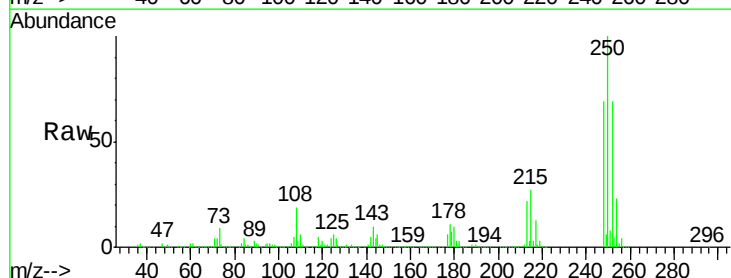
Sohil
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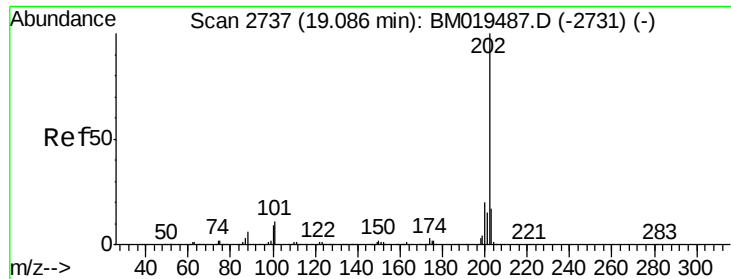


#74
 Pentachlorobenzene
 Concen: 2670.683 ng/uL m
 RT: 14.63 min Scan# 1980
 Delta R.T. 0.06 min
 Lab File: BM019489.D
 Acq: 27 Mar 2019 02:36

Tgt Ion: 250 Resp: 36561775

Ion	Ratio	Lower	Upper
250	100		
248	68.7	51.4	77.2
252	68.8	49.8	74.6





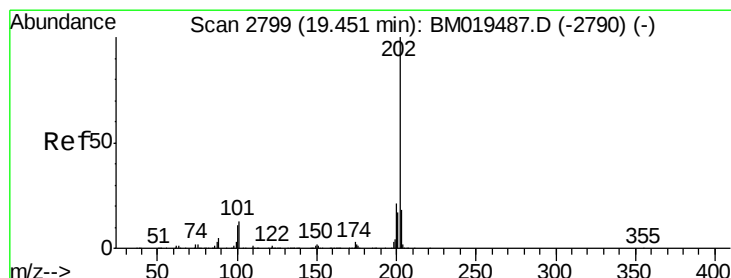
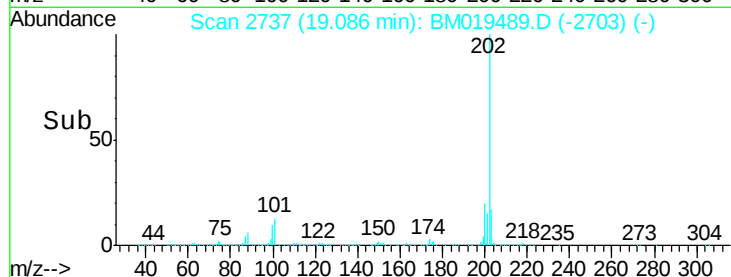
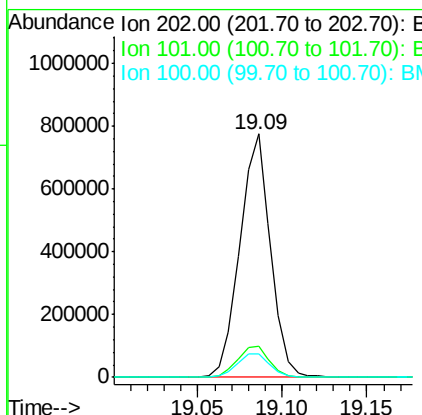
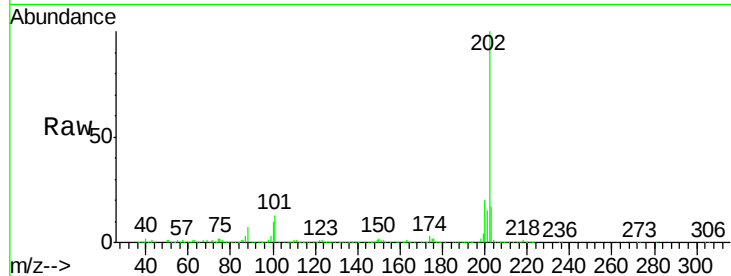
#77
Fluoranthene
 Concen: 16.682 ng/ul
 RT: 19.09 min Scan# 2737
 Delta R.T. 0.00 min
 Lab File: BM019489.D
 Acq: 27 Mar 2019 02:36

Instrument :
 BNA_M
 ClientSampled :
 C09C9

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	12.8	6.1	9.1#
100	9.6	4.6	7.0#

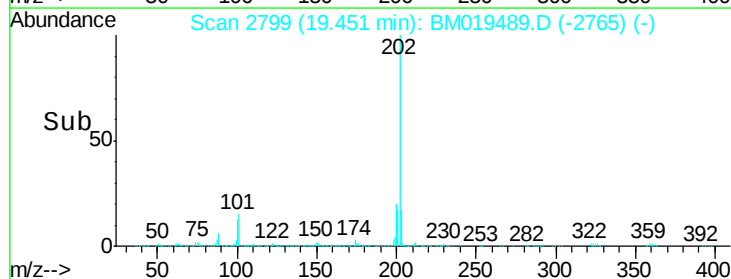
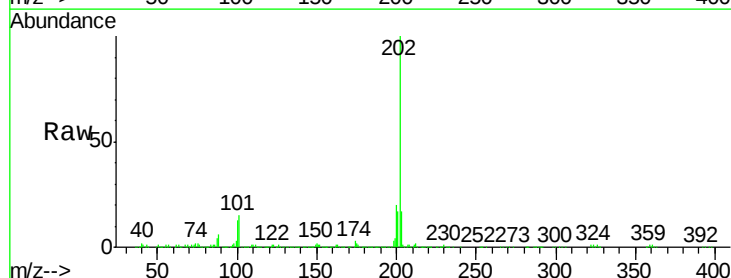
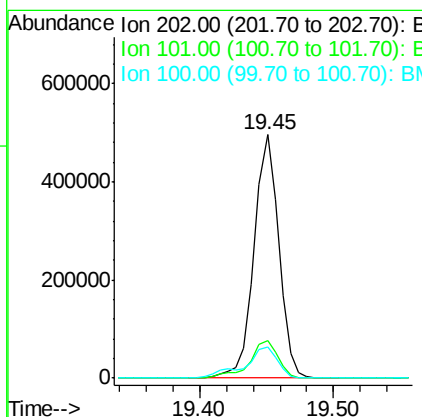
Manual Integrations
 APPROVED

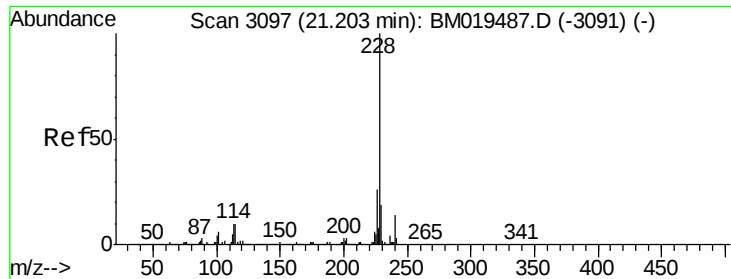
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#80
Pyrene
 Concen: 11.073 ng/ul
 RT: 19.45 min Scan# 2799
 Delta R.T. 0.00 min
 Lab File: BM019489.D
 Acq: 27 Mar 2019 02:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	15.4	6.9	10.3#
100	12.7	5.6	8.4#





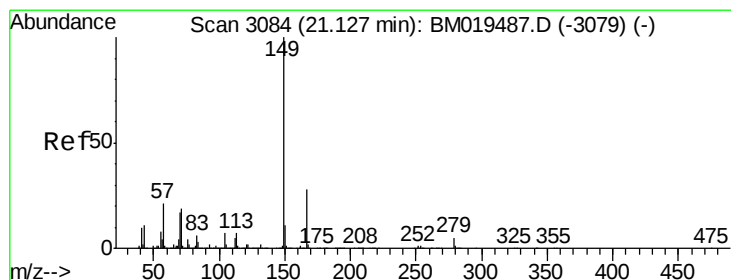
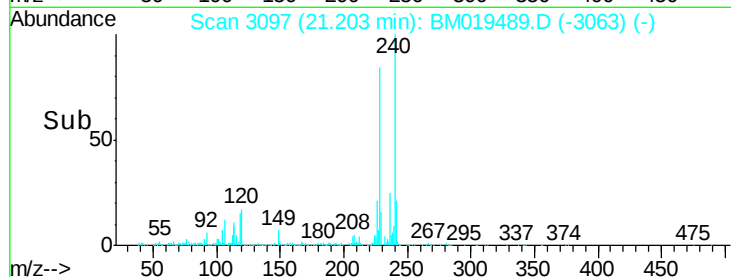
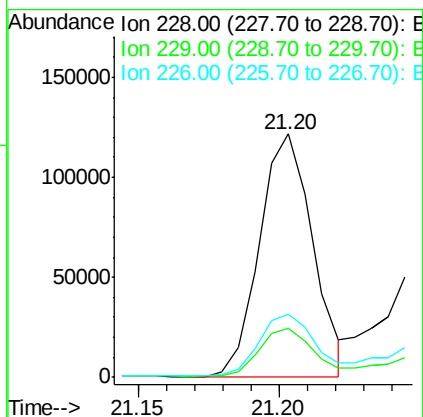
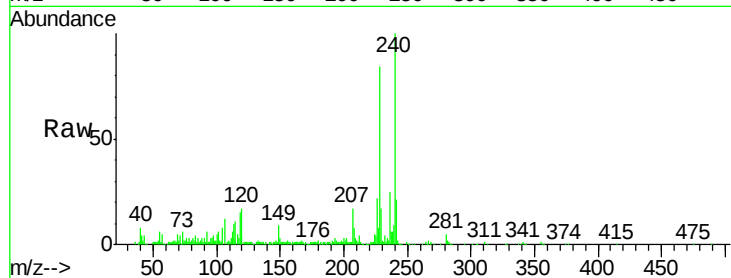
#83
Benzo(a)anthracene
Concen: 2.779 ng/ul
RT: 21.20 min Scan# 3097
Delta R.T. 0.00 min
Lab File: BM019489.D
Acq: 27 Mar 2019 02:36

Instrument :
BNA_M
ClientSampleId :
C09C9

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.9	16.0	24.0
226	25.9	21.8	32.8

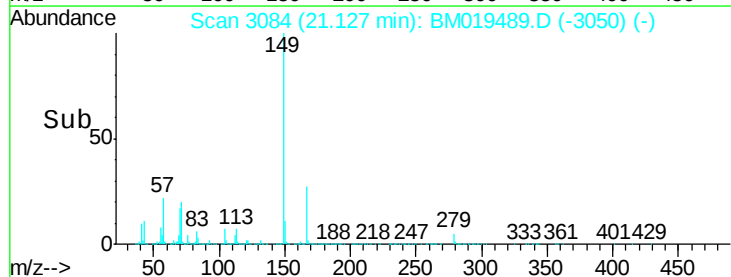
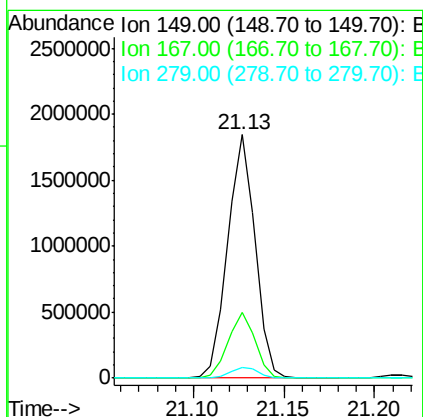
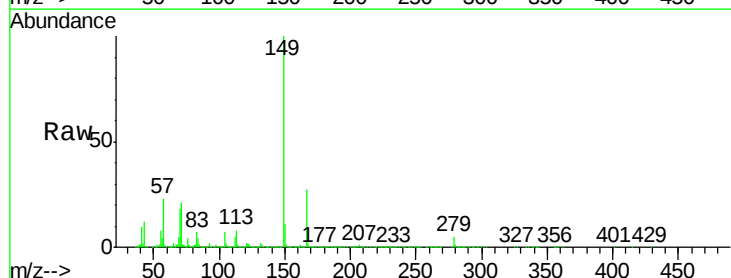
Manual Integrations
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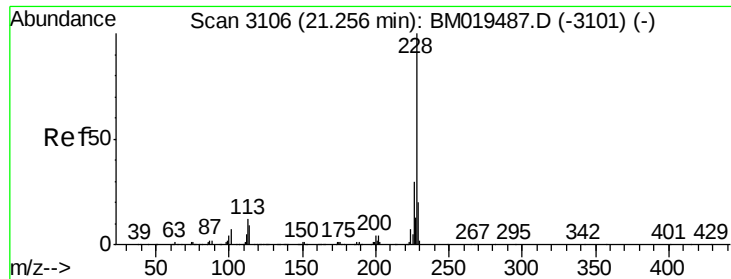
Sohil
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#84
Bis(2-ethylhexyl)phthalate
Concen: 59.386 ng/ul
RT: 21.13 min Scan# 3084
Delta R.T. 0.00 min
Lab File: BM019489.D
Acq: 27 Mar 2019 02:36

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.8	23.0	34.6
279	4.6	4.3	6.5





#85

Chrysene

Concen: 2.759 ng/ul

RT: 21.26 min Scan# 3106

Delta R.T. 0.00 min

Lab File: BM019489.D

Acq: 27 Mar 2019 02:36

Instrument :

BNA_M

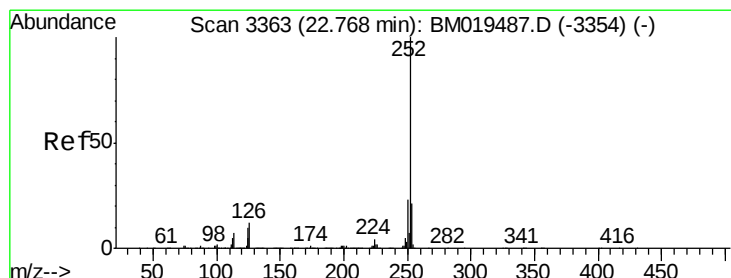
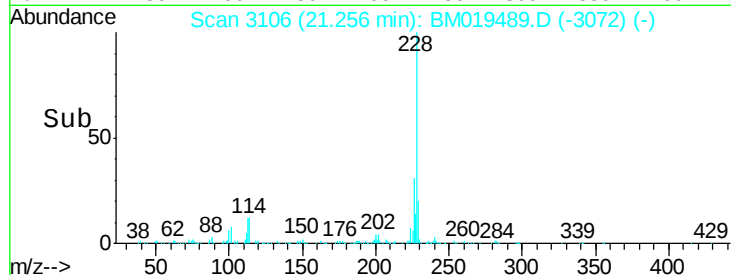
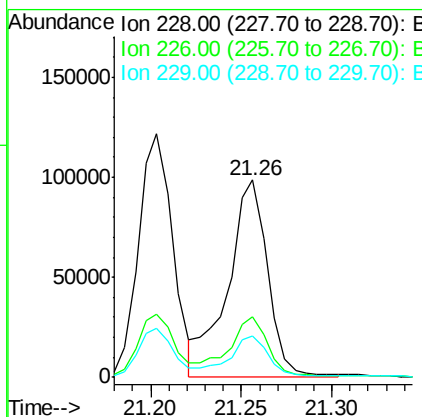
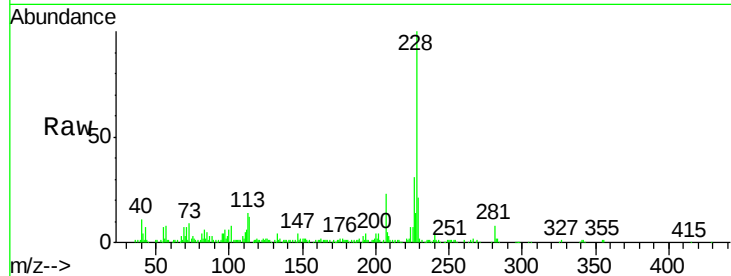
ClientSampled :

C09C9

Tgt Ion:	228	Resp:	150943
Ion Ratio	Lower	Upper	
228	100		
226	31.1	24.1	36.1
229	20.9	16.0	24.0

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 1.833 ng/ul

RT: 22.77 min Scan# 3363

Delta R.T. 0.00 min

Lab File: BM019489.D

Acq: 27 Mar 2019 02:36

Tgt Ion:	252	Resp:	101877
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.4	26.0
125	15.8	4.9	7.3#

