

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM040219\
 Data File : BM019729.D
 Acq On : 03 Apr 2019 14:29
 Operator : JU/SJ
 Sample : K2148-10
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BF5F7

Manual Integrations
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Sohil
 4/4/2019 5:42:54 PM

Quant Time: Apr 04 02:10:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 04 01:45:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	172368	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.35	136	788566	20.00	ng/ul	-0.01
36) Acenaphthene-d10	14.23	164	459264	20.00	ng/ul	-0.01
62) Phenanthrene-d10	16.99	188	959658	20.00	ng/ul	-0.01
78) Chrysene-d12	21.20	240	708519	20.00	ng/ul	0.00
86) Perylene-d12	23.40	264	671190	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.12	96	32255	7.33	ng/uL	0.00
5) Phenol-d5	6.75	99	425672	27.73	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	6.92	67	265107	25.80	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.10	132	336519	28.93	ng/ul	-0.01
13) 4-Methylphenol-d8	8.28	113	366493	31.81	ng/ul	-0.01
19) Nitrobenzene-d5	8.73	128	158494	28.18	ng/ul	-0.02
22) 2-Nitrophenol-d4	9.45	143	190416	30.41	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	9.98	165	350492	29.67	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.51	131	318495	22.45	ng/ul	-0.01
44) Dimethylphthalate-d6	13.65	166	1212880	32.73	ng/ul	-0.01
47) Acenaphthylene-d8	13.92	160	1387804	29.95	ng/ul	-0.01
52) 4-Nitrophenol-d4	14.48	143	156419	26.93	ng/ul	0.00
58) Fluorene-d10	15.23	176	998668	31.28	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	15.38	200	137439	21.66	ng/ul	0.00
71) Anthracene-d10	17.09	188	1488108	32.31	ng/ul	-0.01
79) Pyrene-d10	19.40	212	1328944	40.61	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.26	264	1004305	28.22	ng/ul	0.00

Target Compounds

					Qvalue	
28) Naphthalene	10.40	128	74457	1.823	ng/ul	98
45) Dimethylphthalate	13.70	163	130810	3.518	ng/ul#	99
48) Acenaphthylene	13.95	152	79536	1.732	ng/ul	99
70) Phenanthrene	17.03	178	782312	14.378	ng/ul	100
72) Anthracene	17.12	178	169560	3.055	ng/ul	99
77) Fluoranthene	19.06	202	3023788	48.498	ng/ul#	85
80) Pyrene	19.43	202	2826681	66.315	ng/ul#	80
83) Benzo(a)anthracene	21.19	228	1358636	31.859	ng/ul	96
85) Chrysene	21.23	228	1288577	31.491	ng/ul	98
88) Benzo(b)fluoranthene	22.74	252	1885327	46.114	ng/ul#	95
89) Benzo(k)fluoranthene	22.78	252	572655m	14.586	ng/ul	
91) Benzo(a)pyrene	23.31	252	1330939	34.053	ng/ul#	94
92) Indeno(1,2,3-cd)pyrene	25.62	276	1022085	20.883	ng/ul#	92
93) Dibenzo(a,h)anthracene	25.62	278	261964	6.278	ng/ul#	83
94) Benzo(g,h,i)perylene	26.30	276	851310	20.815	ng/ul#	93

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

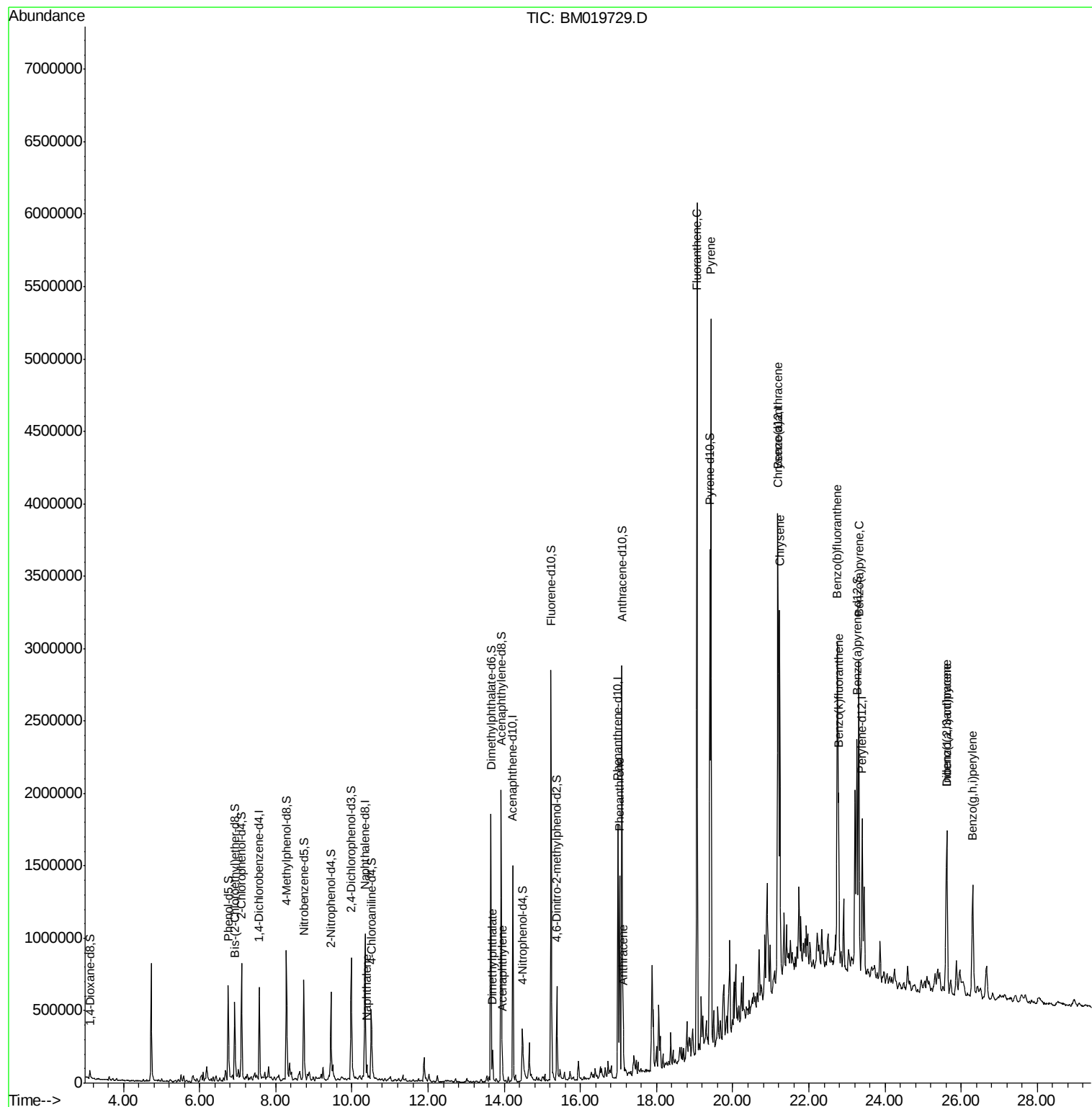
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM040219\
Data File : BM019729.D
Acq On : 03 Apr 2019 14:29
Operator : JU/SJ
Sample : K2148-10
Misc :
ALS Vial : 37 Sample Multiplier: 1

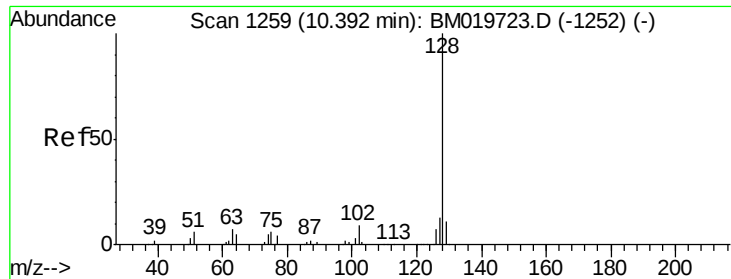
Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION
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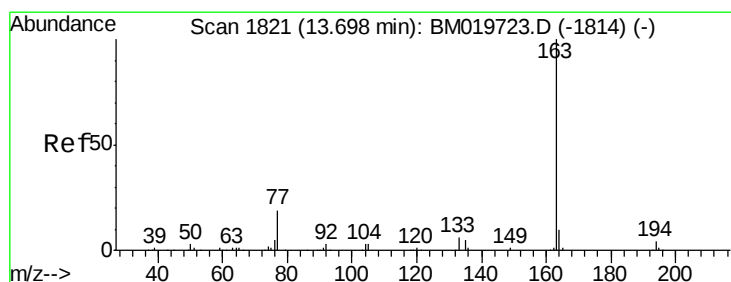
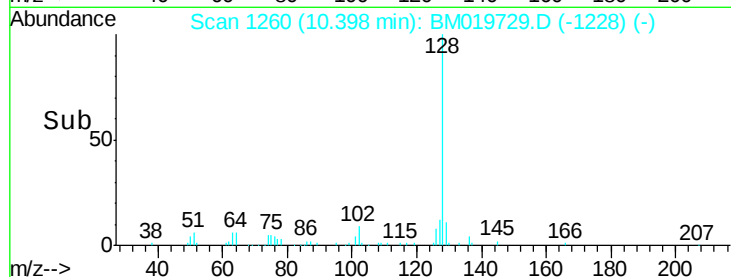
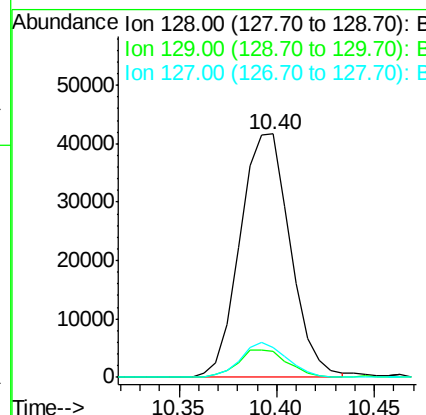
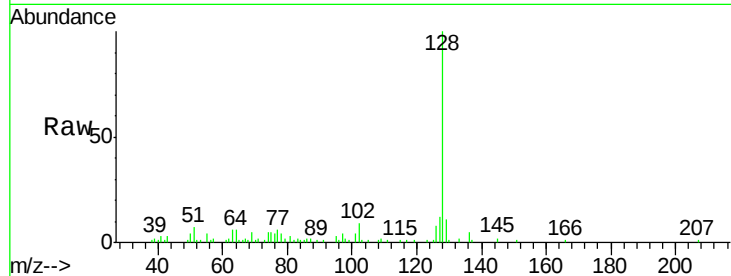
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Naphthalene
Concen: 1.823 ng/ul
RT: 10.40 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BM019729.D
Acq: 03 Apr 2019 14:29

Instrument :
BNA_M
ClientSampleId :
BF5F7

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.3	12.5
127	12.4	10.8	16.2

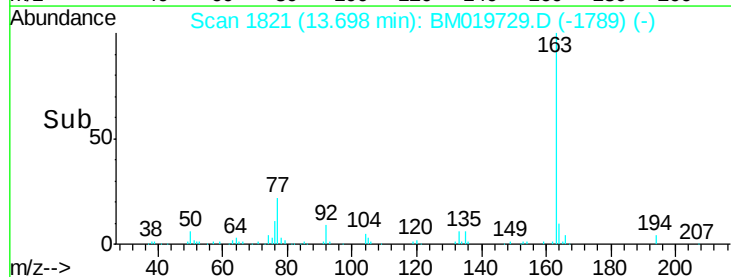
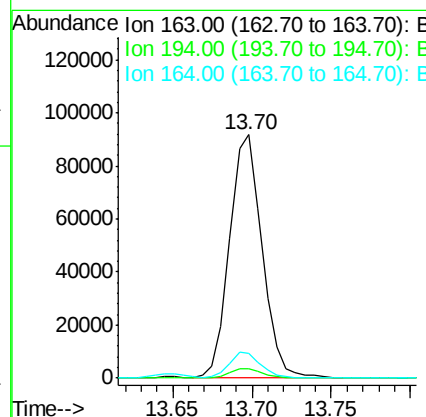
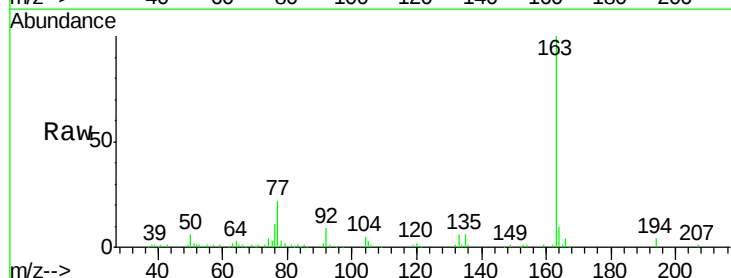
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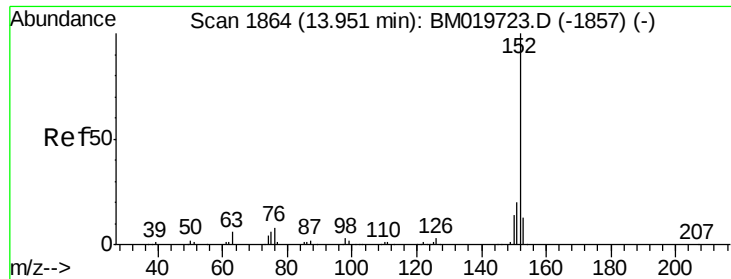
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#45
Dimethylphthalate
Concen: 3.518 ng/ul
RT: 13.70 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BM019729.D
Acq: 03 Apr 2019 14:29

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	4.0	6.0#
164	10.4	8.4	12.6





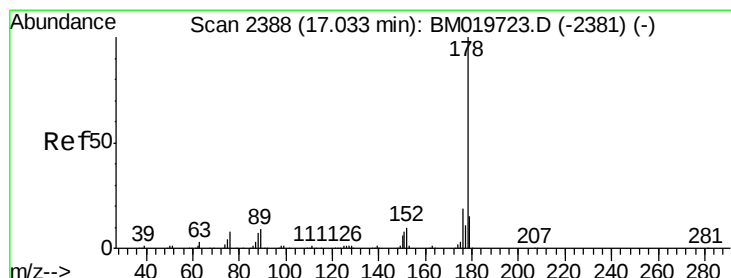
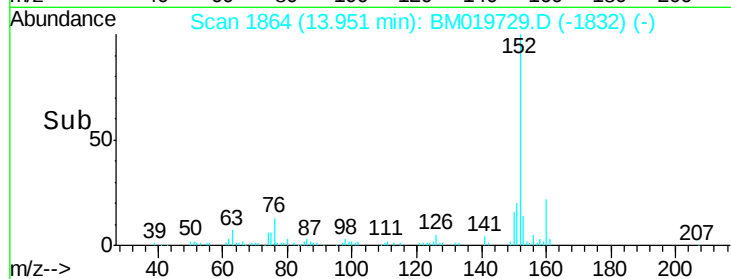
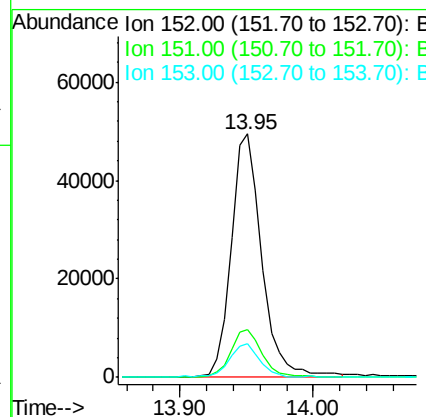
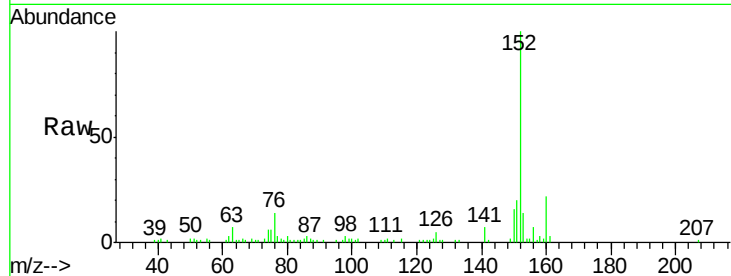
#48
Acenaphthylene
Concen: 1.732 ng/ul
RT: 13.95 min Scan# 1864
Delta R.T. -0.01 min
Lab File: BM019729.D
Acq: 03 Apr 2019 14:29

Instrument :
BNA_M
ClientSampleId :
BF5F7

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.1	24.1
153	13.9	10.8	16.2

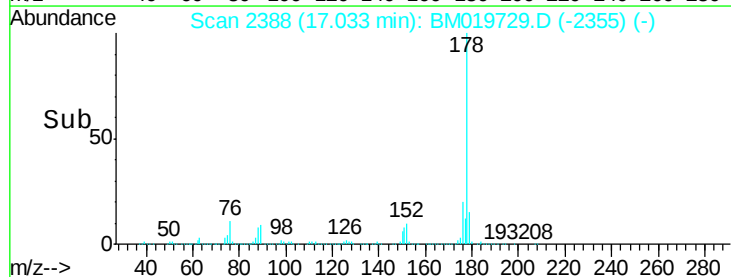
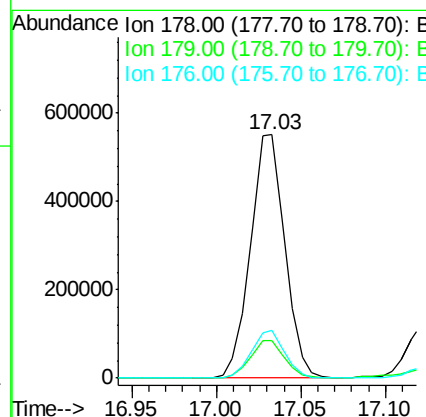
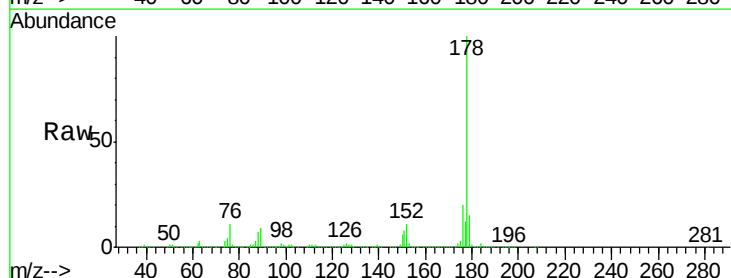
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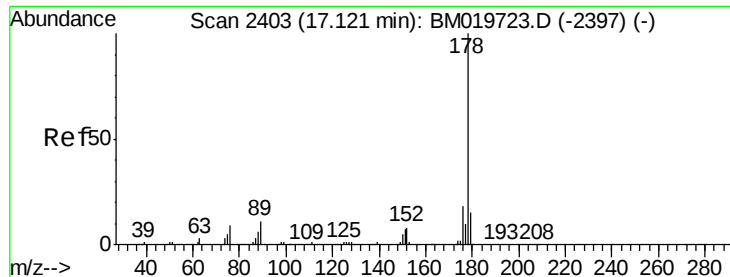
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#70
Phenanthrene
Concen: 14.378 ng/ul
RT: 17.03 min Scan# 2388
Delta R.T. -0.01 min
Lab File: BM019729.D
Acq: 03 Apr 2019 14:29

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	19.5	15.4	23.0





#72

Anthracene

Concen: 3.055 ng/ul

RT: 17.12 min Scan# 2403

Delta R.T. -0.01 min

Lab File: BM019729.D

Acq: 03 Apr 2019 14:29

Instrument :

BNA_M

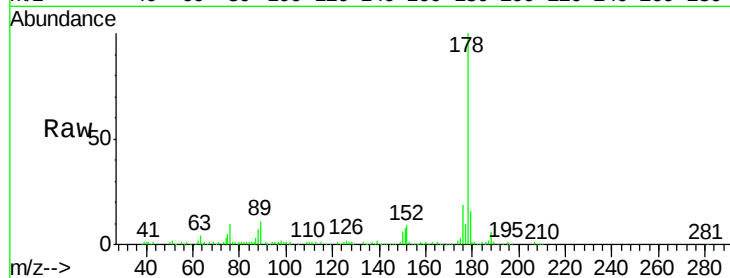
ClientSampleId :

BF5F7

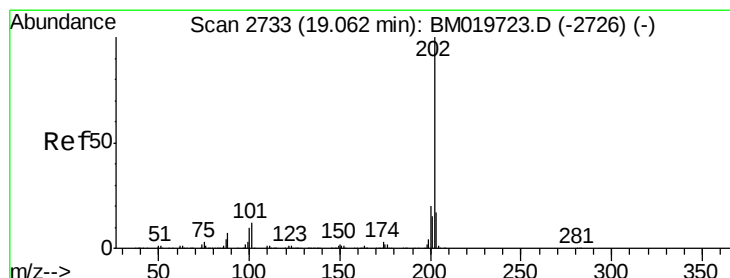
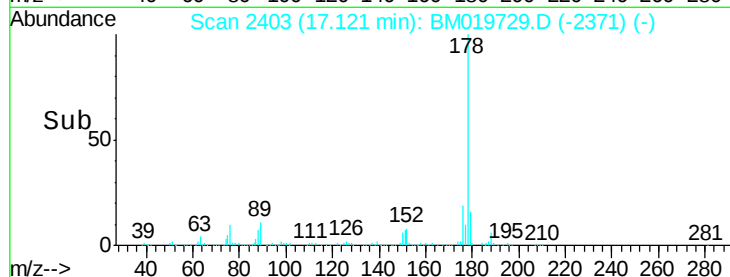
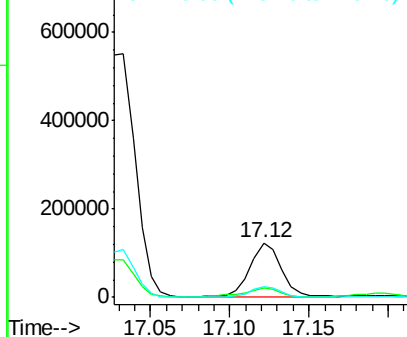
Tgt Ion:	178	Resp:	169560
Ion Ratio	Lower	Upper	
178	100		
179	16.2	13.4	20.2
176	18.9	15.4	23.0

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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



#77

Fluoranthene

Concen: 48.498 ng/ul

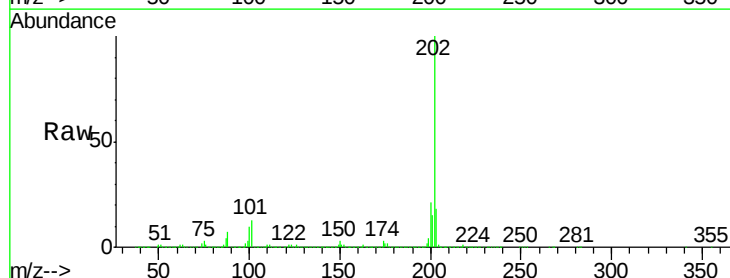
RT: 19.06 min Scan# 2733

Delta R.T. -0.01 min

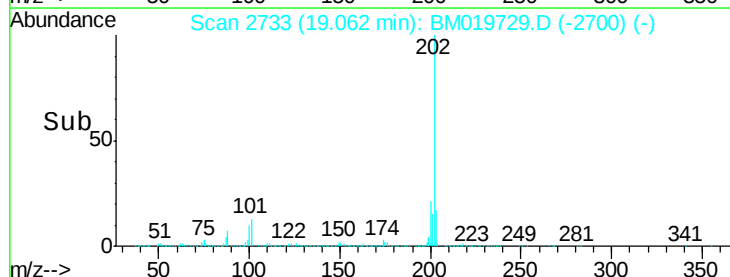
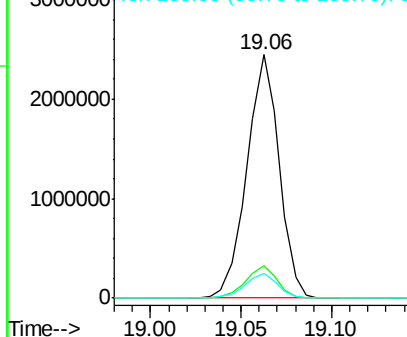
Lab File: BM019729.D

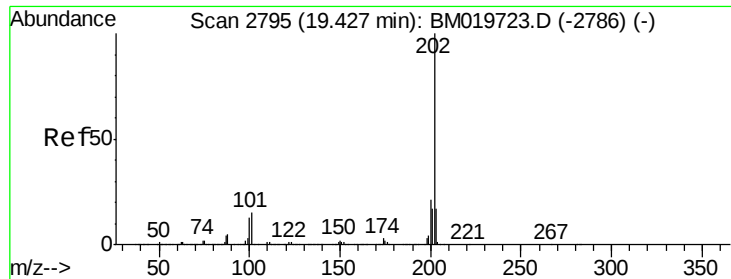
Acq: 03 Apr 2019 14:29

Tgt Ion:	202	Resp:	3023788
Ion Ratio	Lower	Upper	
202	100		
101	13.3	6.1	9.1#
100	10.1	4.6	7.0#



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





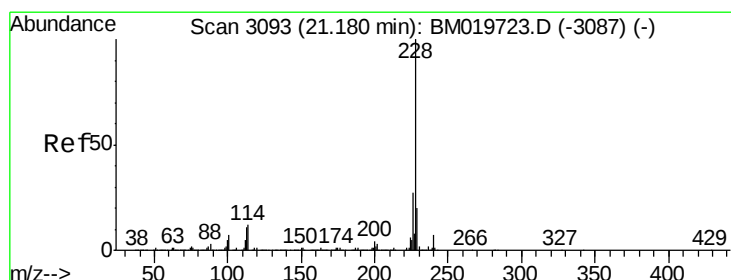
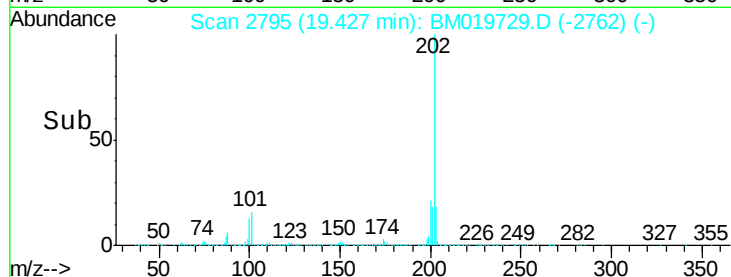
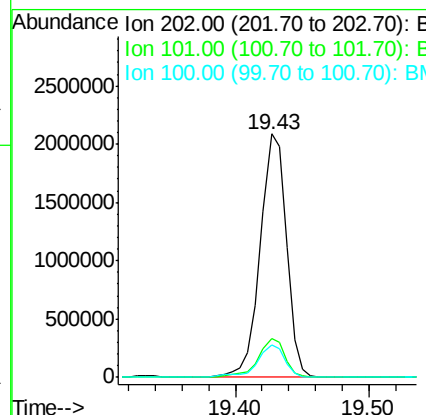
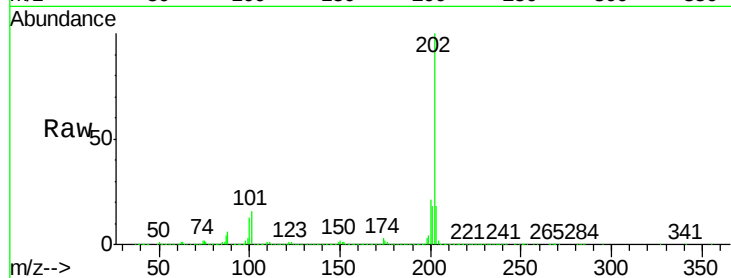
#80
 Pyrene
 Concen: 66.315 ng/ul
 RT: 19.43 min Scan# 2795
 Delta R.T. -0.01 min
 Lab File: BM019729.D
 Acq: 03 Apr 2019 14:29

Instrument :
 BNA_M
 ClientSampleId :
 BF5F7

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2826681		
101	15.9	6.9	10.3#	
100	13.3	5.6	8.4#	

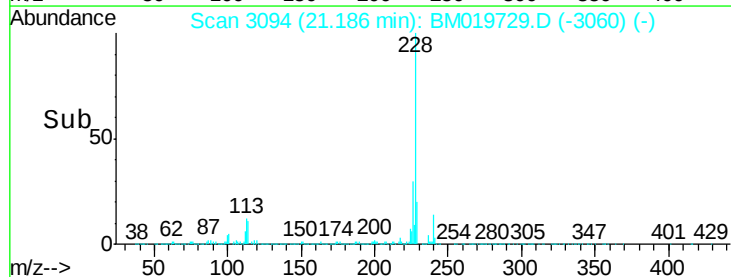
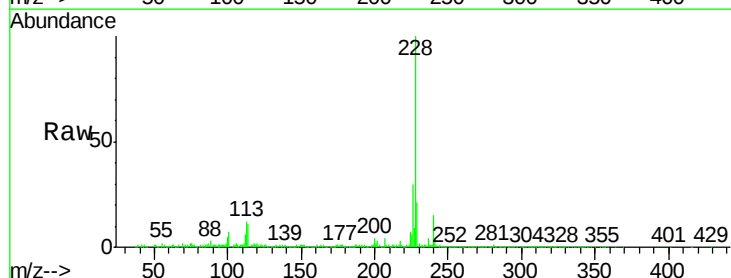
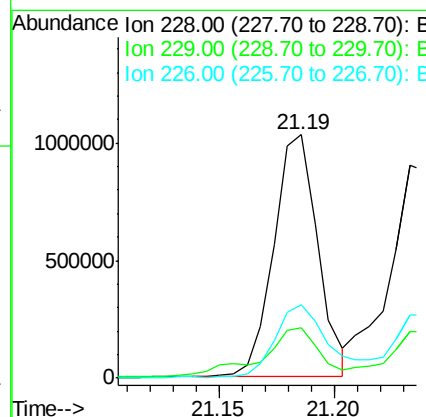
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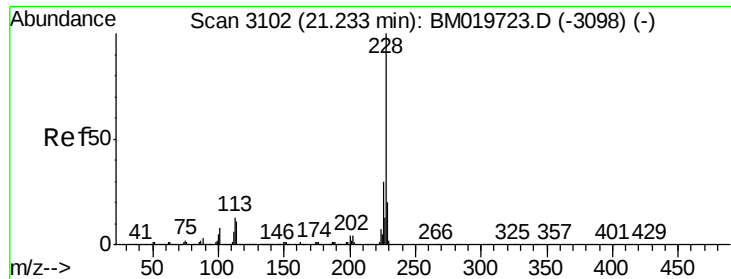
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#83
 Benzo(a)anthracene
 Concen: 31.859 ng/ul
 RT: 21.19 min Scan# 3094
 Delta R.T. 0.00 min
 Lab File: BM019729.D
 Acq: 03 Apr 2019 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1358636		
229	20.7	16.0	24.0	
226	30.4	21.8	32.8	





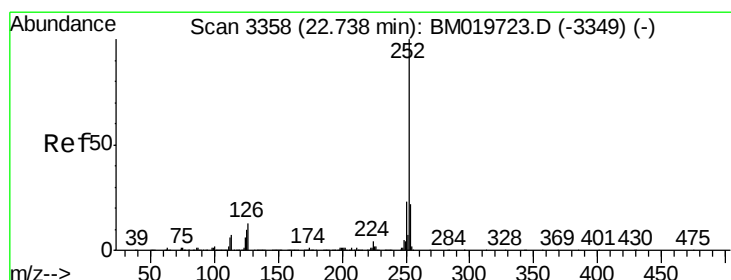
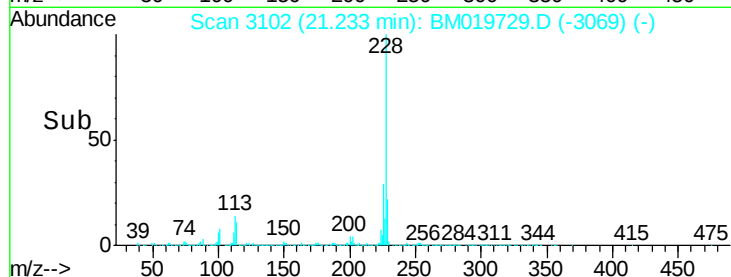
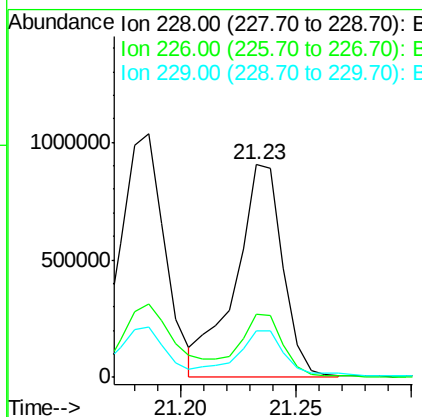
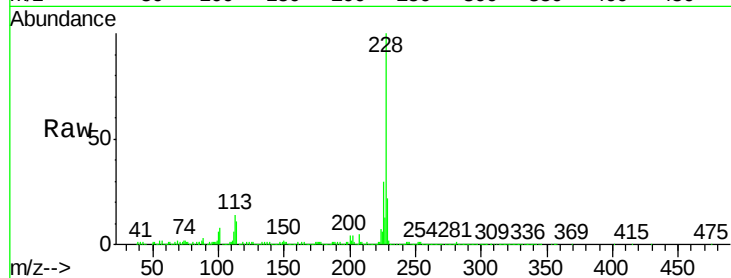
#85
Chrysene
Concen: 31.491 ng/ul
RT: 21.23 min Scan# 3102
Delta R.T. -0.01 min
Lab File: BM019729.D
Acq: 03 Apr 2019 14:29

Instrument :
BNA_M
ClientSampleId :
BF5F7

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.1	36.1
229	22.0	16.0	24.0

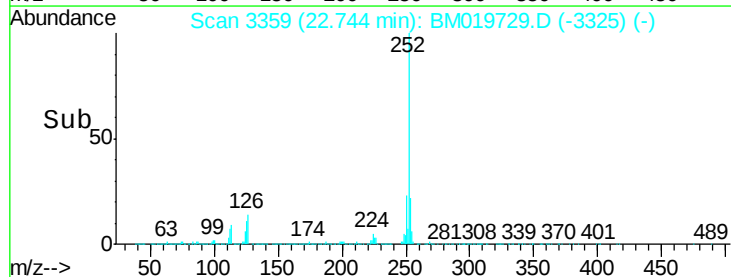
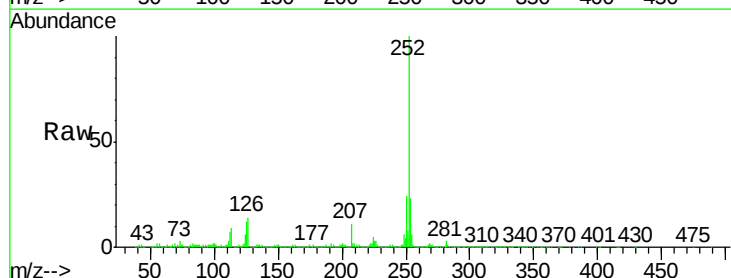
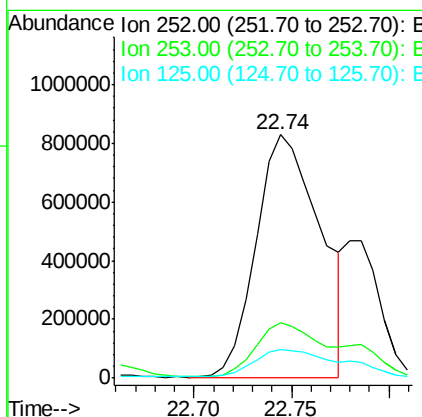
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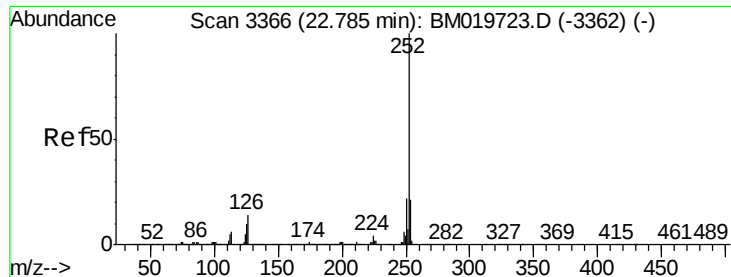
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#88
Benzo(b)fluoranthene
Concen: 46.114 ng/ul
RT: 22.74 min Scan# 3359
Delta R.T. 0.00 min
Lab File: BM019729.D
Acq: 03 Apr 2019 14:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.0
125	11.8	4.9	7.3#





#89

Benzo(k)fluoranthene

Concen: 14.586 ng/ul m

RT: 22.78 min Scan# 3365

Delta R.T. -0.01 min

Lab File: BM019729.D

Acq: 03 Apr 2019 14:29

Instrument :

BNA_M

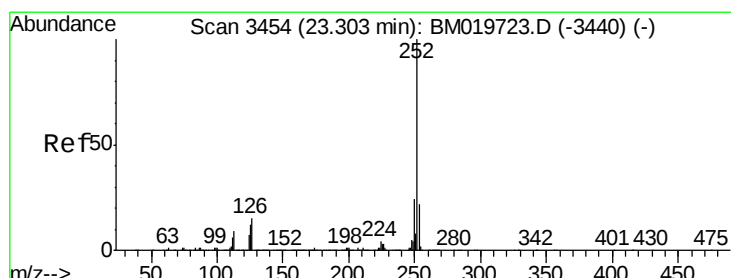
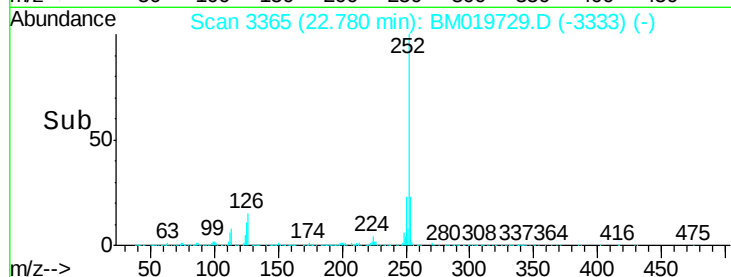
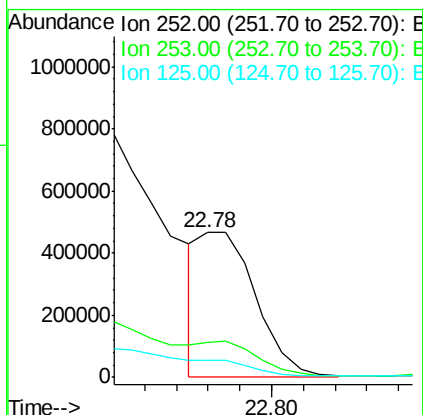
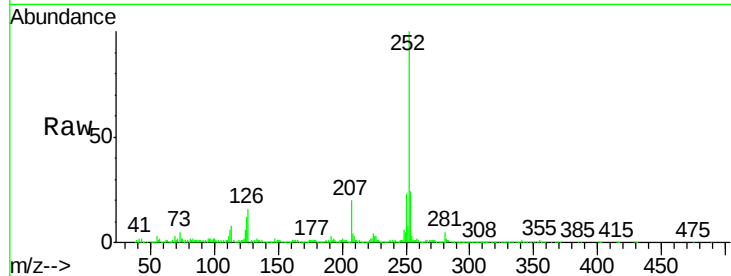
ClientSampled :

BF5F7

Tgt Ion:	252	Resp:	572655
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.1	25.7
125	12.2	5.4	8.0#

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#91

Benzo(a)pyrene

Concen: 34.053 ng/ul

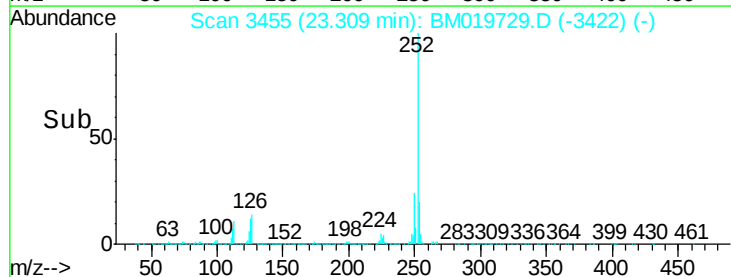
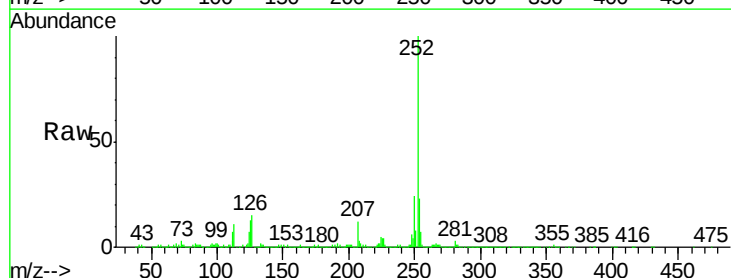
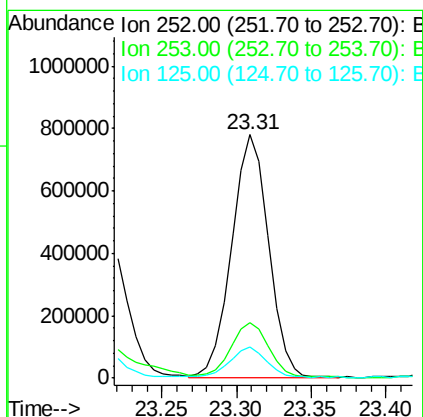
RT: 23.31 min Scan# 3455

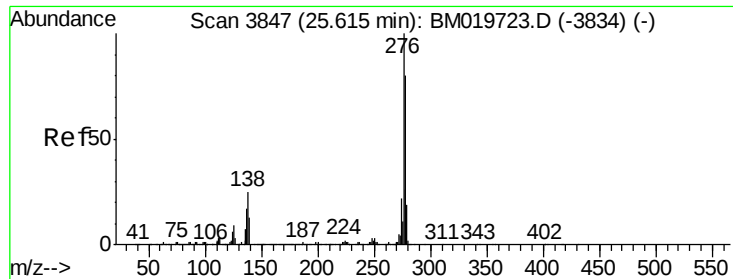
Delta R.T. -0.01 min

Lab File: BM019729.D

Acq: 03 Apr 2019 14:29

Tgt Ion:	252	Resp:	1330939
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.2	25.8
125	12.6	5.8	8.6#





#92

Indeno(1,2,3-cd)pyrene

Concen: 20.883 ng/ul

RT: 25.62 min Scan# 3848

Delta R.T. -0.01 min

Lab File: BM019729.D

Acq: 03 Apr 2019 14:29

Instrument :

BNA_M

ClientSampleId :

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Tgt Ion:276 Resp: 1022085

Ion Ratio Lower Upper

276 100

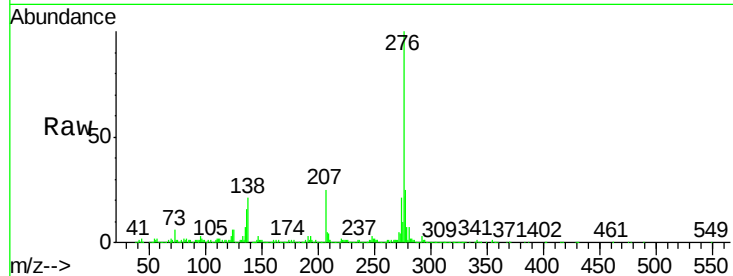
138 21.3 10.9 16.3#

277 24.7 18.9 28.3

Manual Integrations
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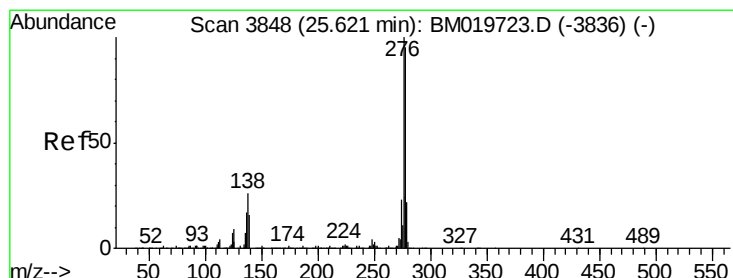
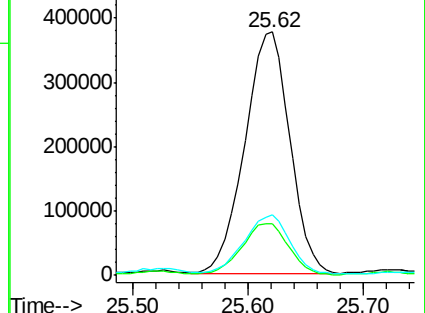
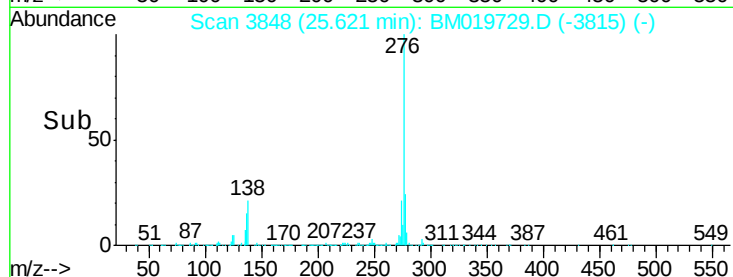
4/4/2019 5:42:54 PM



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: 6.278 ng/ul

RT: 25.62 min Scan# 3848

Delta R.T. -0.01 min

Lab File: BM019729.D

Acq: 03 Apr 2019 14:29

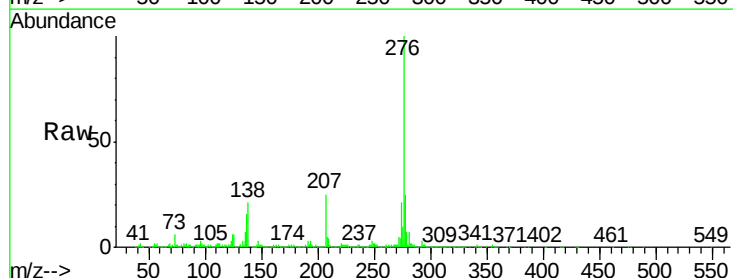
Tgt Ion:278 Resp: 261964

Ion Ratio Lower Upper

278 100

139 0.0 9.0 13.4#

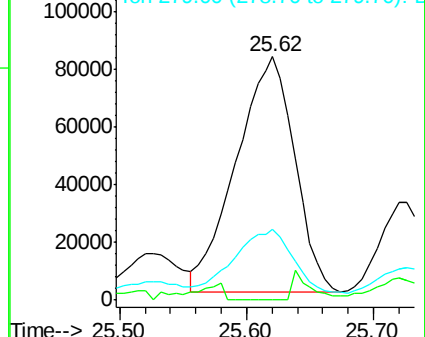
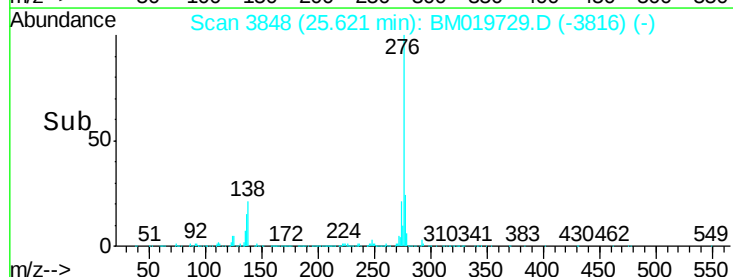
279 29.3 19.1 28.7#

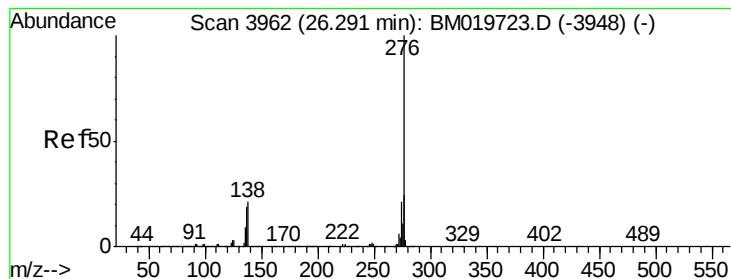


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#94

Benzo(g,h,i)perylene

Concen: 20.815 ng/ul

RT: 26.30 min Scan# 3964

Delta R.T. -0.01 min

Lab File: BM019729.D

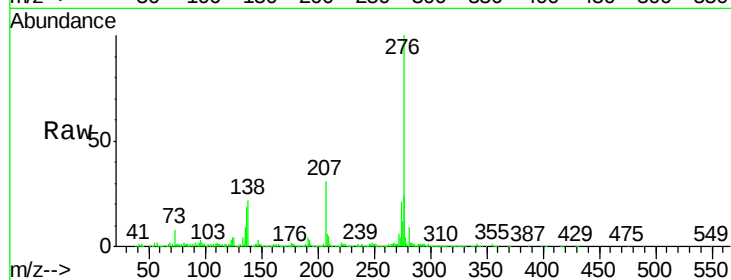
Acq: 03 Apr 2019 14:29

Instrument :

BNA_M

ClientSampleId :

BF5F7



Tgt	Ion	276	Resp:	851310
	Ratio	100	Lower	Upper
	276	100		
	138	21.6	11.2	16.8#
	277	24.1	19.0	28.6

Manual Integrations
APPROVED

Sohil
4/4/2019 5:42:54 PM

