

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052019\
 Data File : BM020427.D
 Acq On : 20 May 2019 12:18
 Operator : JU/SJ
 Sample : K2633-08DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 GAJA0DL

Manual Integrations
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Sohil
 5/21/2019 8:27:54 AM

Quant Time: May 21 03:54:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat May 18 05:13:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	70833	20.00	ng/ul	0.00
18) Naphthalene-d8	10.53	136	267666	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.39	164	155969	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.14	188	366113	20.00	ng/ul	0.00
77) Chrysene-d12	21.34	240	367116	20.00	ng/ul	0.02
85) Perylene-d12	23.62	264	420578	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	1994	1.04	ng/uL	0.01
5) Phenol-d5	6.91	99	22942	4.06	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.08	67	14644	4.08	ng/ul	0.00
9) 2-Chlorophenol-d4	7.26	132	18653	4.50	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	16444	4.00	ng/ul	0.01
19) Nitrobenzene-d5	8.91	128	7445	4.27	ng/ul	0.01
22) 2-Nitrophenol-d4	9.62	143	7686	4.00	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.16	165	17489	4.31	ng/ul	0.01
29) 4-Chloroaniline-d4	10.69	131	9017	2.15	ng/ul	0.02
43) Dimethylphthalate-d6	13.80	166	58642	5.23	ng/ul	0.00
46) Acenaphthylene-d8	14.08	160	73782	5.26	ng/ul	0.00
51) 4-Nitrophenol-d4	14.64	143	1218	0.75	ng/ul	0.04
57) Fluorene-d10	15.39	176	53901	5.40	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.53	200	1031	0.49	ng/ul	0.02
70) Anthracene-d10	17.24	188	87654	5.58	ng/ul	0.00
78) Pyrene-d10	19.54	212	94983	5.37	ng/ul	0.02
89) Benzo(a)pyrene-d12	23.47	264	100346	5.25	ng/ul	0.03

Target Compounds

					Qvalue	
34) 2-Methylnaphthalene	12.20	142	16371	1.839	ng/ul	87
44) Dimethylphthalate	13.85	163	16195	1.459	ng/ul#	98
47) Acenaphthylene	14.11	152	217550	16.436	ng/ul	100
69) Phenanthrene	17.19	178	53594	3.072	ng/ul	99
71) Anthracene	17.27	178	93281	5.257	ng/ul	98
76) Fluoranthene	19.20	202	373752	16.961	ng/ul	99
79) Pyrene	19.57	202	1000201	45.391	ng/ul	99
82) Benzo(a)anthracene	21.32	228	358194	16.211	ng/ul#	91
84) Chrysene	21.37	228	338938	16.051	ng/ul	93
87) Benzo(b)fluoranthene	22.94	252	409465	17.059	ng/ul#	94
88) Benzo(k)fluoranthene	22.97	252	106655m	4.524	ng/ul	
90) Benzo(a)pyrene	23.53	252	471084	20.854	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.94	276	186986	7.264	ng/ul	96
92) Dibenzo(a,h)anthracene	25.94	278	65674	2.984	ng/ul#	77
93) Benzo(g,h,i)perylene	26.66	276	144792	6.796	ng/ul	95

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

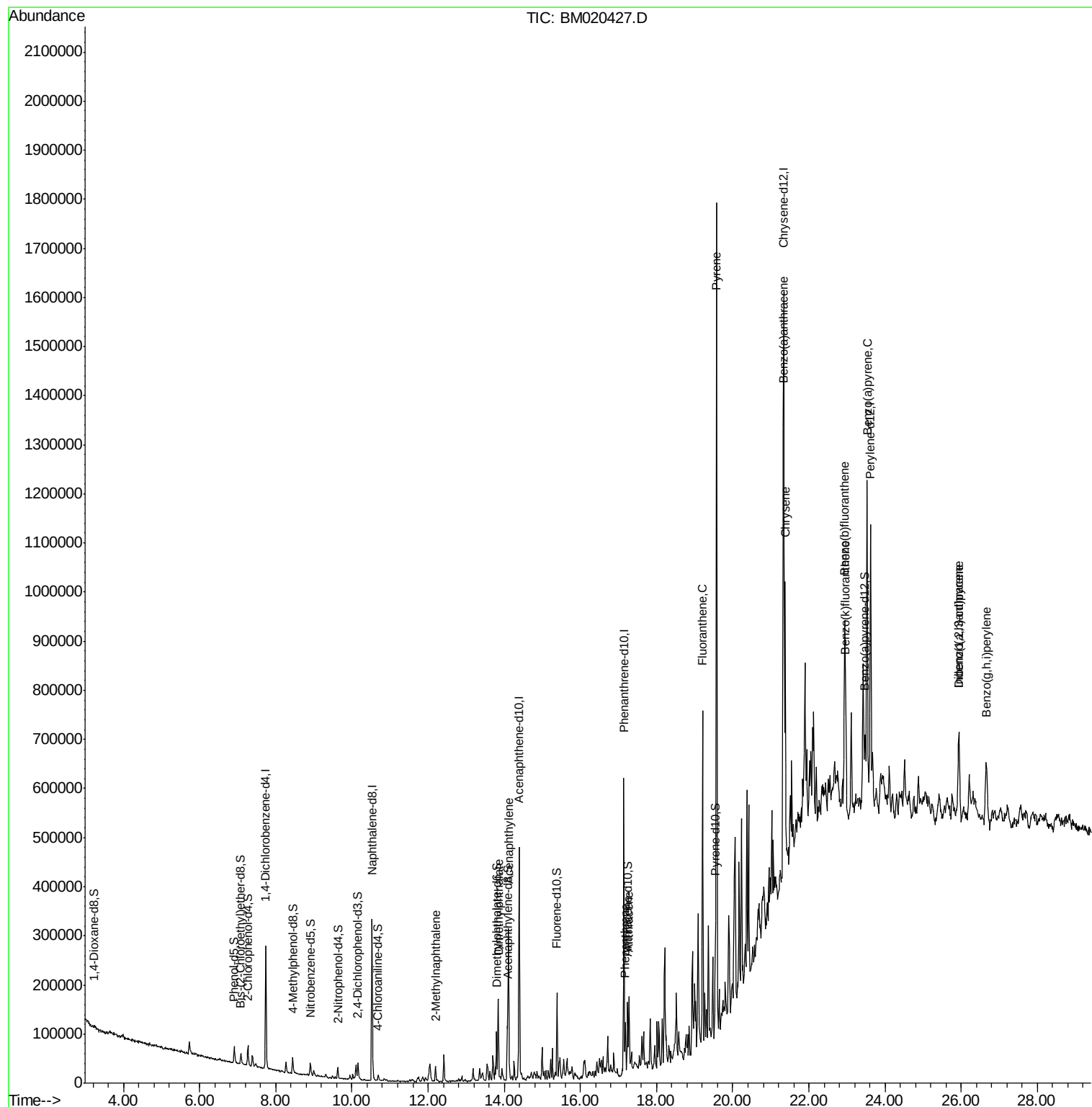
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052019\
Data File : BM020427.D
Acq On : 20 May 2019 12:18
Operator : JU/SJ
Sample : K2633-08DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

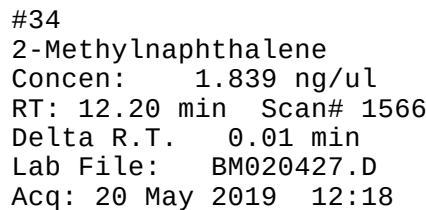
Instrument :
BNA_M
ClientSampleId :
GAJA0DL

Quant Time: May 21 03:54:14 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 05:13:49 2019
Response via : Initial Calibration

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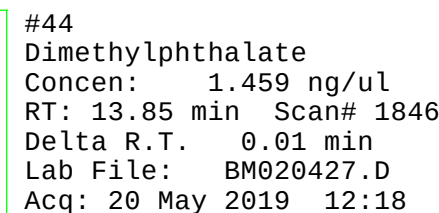
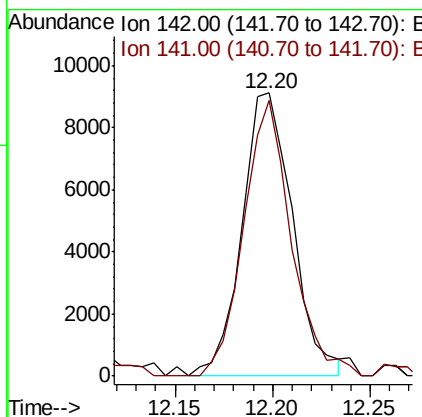


Instrument :
BNA_M
ClientSampleId :
GAJA0DL

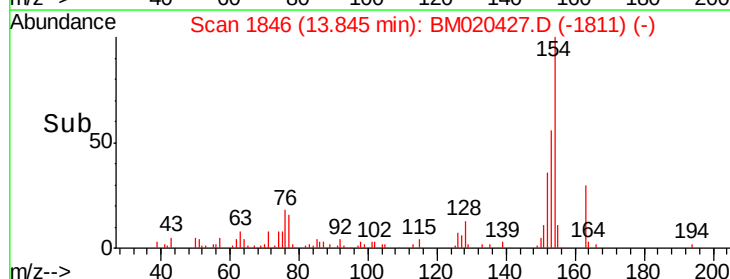
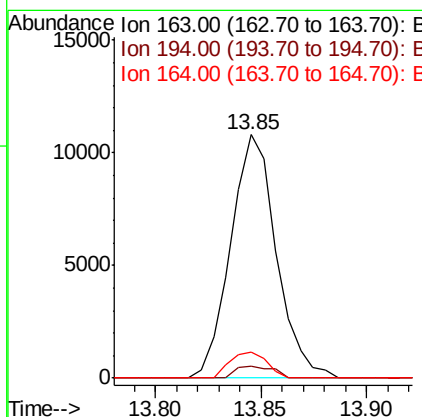
Tgt	Ion:142	Resp:	16371
Ion	Ratio	Lower	Upper
142	100		
141	97.4	68.6	102.8

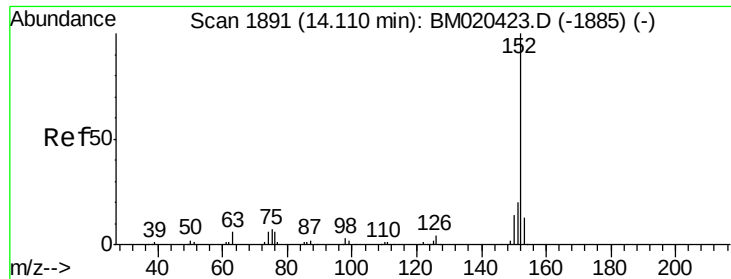
Manual Integrations

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Tgt	Ion:163	Resp:	16195
Ion	Ratio	Lower	Upper
163	100		
194	5.0	3.3	4.9#
164	10.5	8.0	12.0





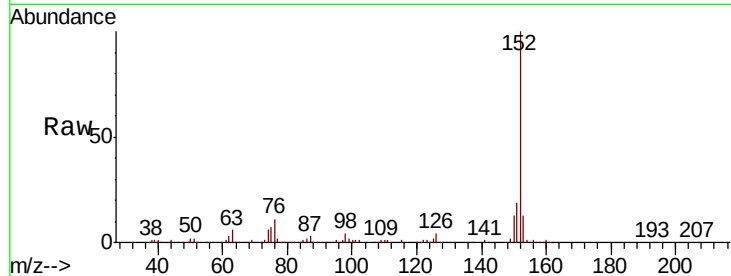
#47
Acenaphthylene
Concen: 16.436 ng/ul
RT: 14.11 min Scan# 1891
Delta R.T. 0.01 min
Lab File: BM020427.D
Acq: 20 May 2019 12:18

Instrument :
BNA_M
ClientSampleId :
GAJA0DL

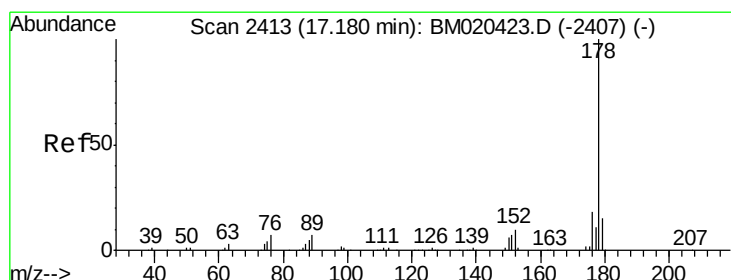
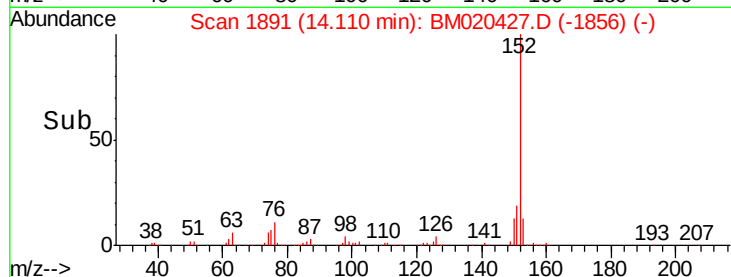
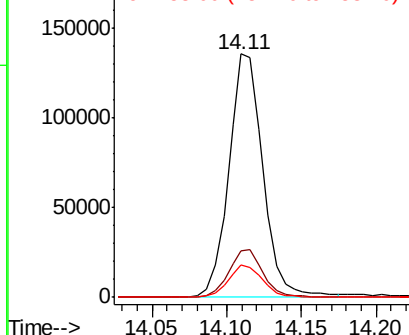
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	217550		
151	19.3		15.4	23.0
153	13.2		10.3	15.5

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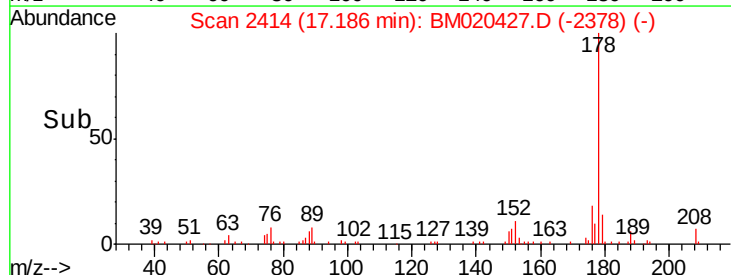
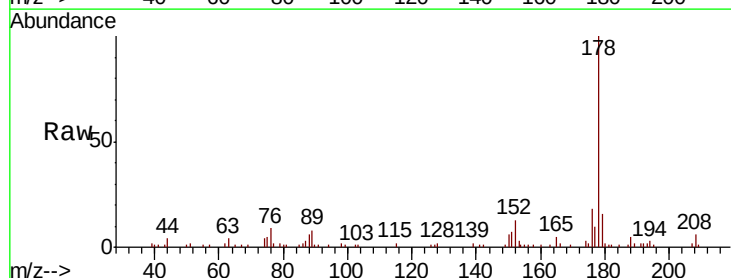
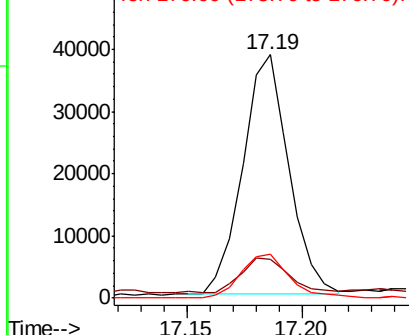
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Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

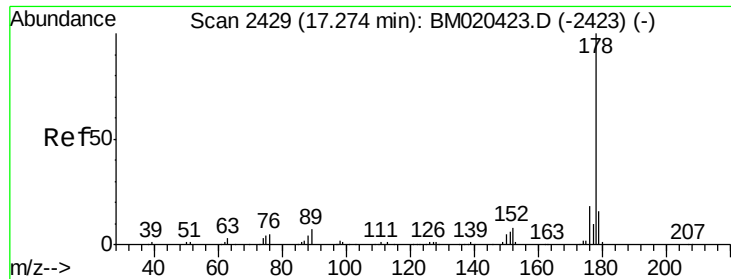


#69
Phenanthrene
Concen: 3.072 ng/ul
RT: 17.19 min Scan# 2414
Delta R.T. 0.01 min
Lab File: BM020427.D
Acq: 20 May 2019 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	53594		
179	15.7		11.9	17.9
176	17.8		14.6	22.0

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





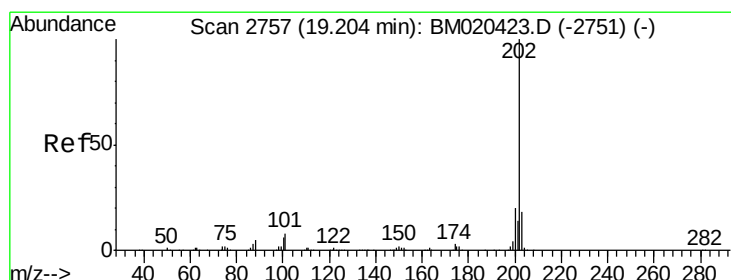
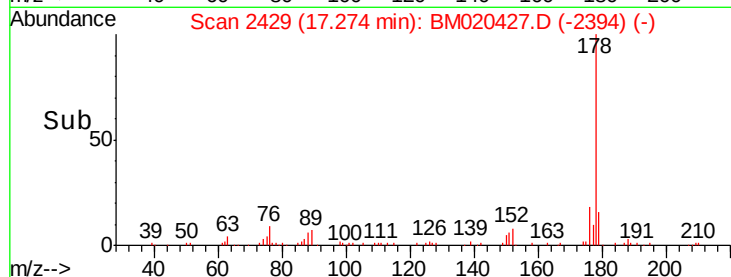
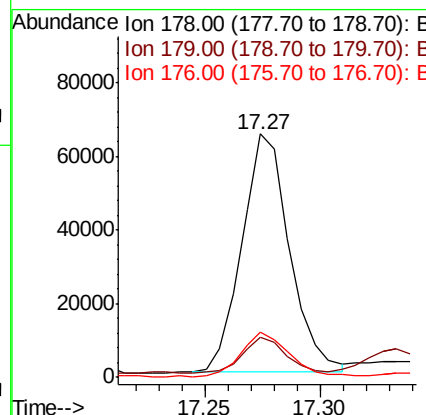
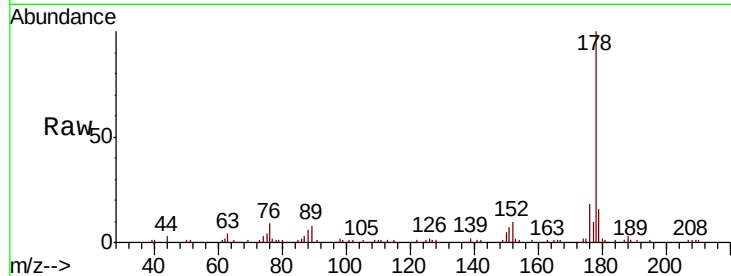
#71
 Anthracene
 Concen: 5.257 ng/ul
 RT: 17.27 min Scan# 2429
 Delta R.T. 0.01 min
 Lab File: BM020427.D
 Acq: 20 May 2019 12:18

Instrument :
 BNA_M
 ClientSampleId :
 GAJA0DL

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.4	12.4	18.6
176	18.5	14.4	21.6

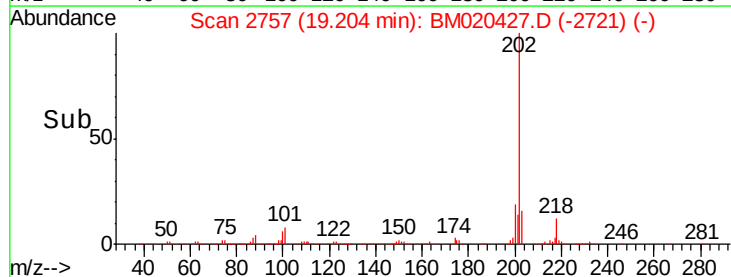
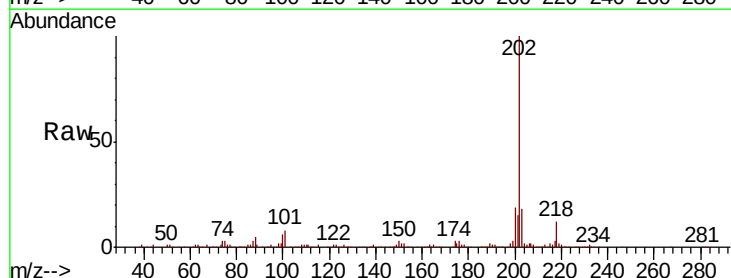
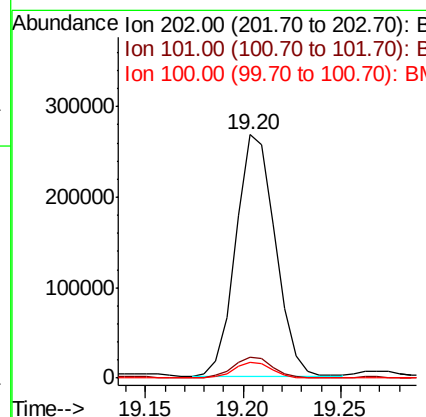
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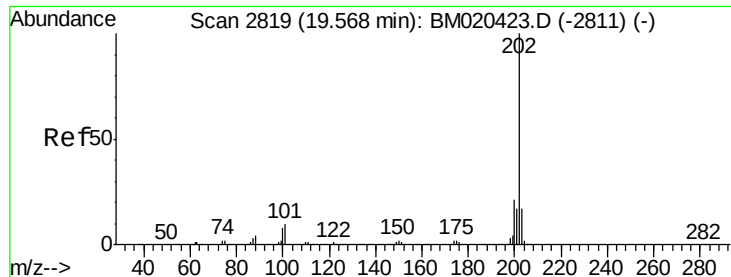
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#76
 Fluoranthene
 Concen: 16.961 ng/ul
 RT: 19.20 min Scan# 2757
 Delta R.T. 0.01 min
 Lab File: BM020427.D
 Acq: 20 May 2019 12:18

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.5	6.4	9.6
100	6.5	5.2	7.8





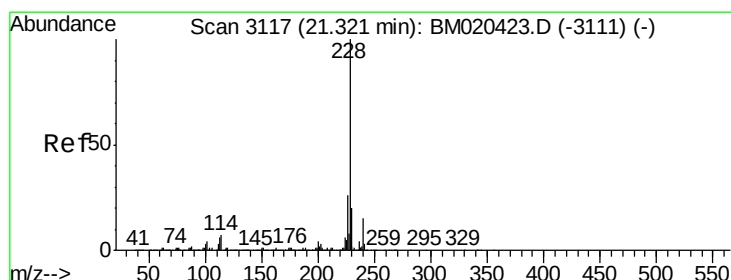
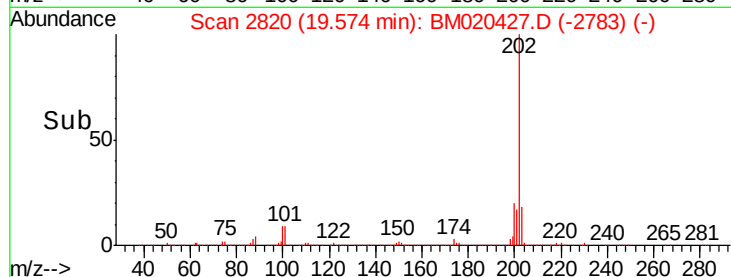
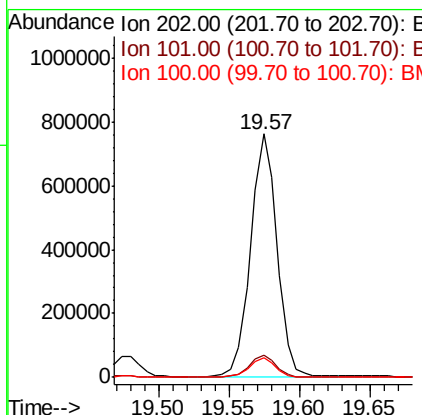
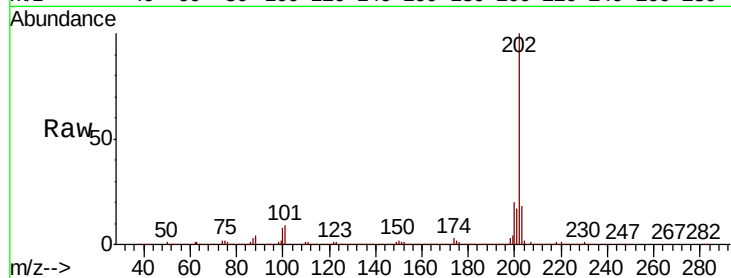
#79
 Pyrene
 Concen: 45.391 ng/ul
 RT: 19.57 min Scan# 2820
 Delta R.T. 0.02 min
 Lab File: BM020427.D
 Acq: 20 May 2019 12:18

Instrument :
 BNA_M
 ClientSampled :
 GAJA0DL

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1000201		
101	9.1		7.1	10.7
100	8.2		5.9	8.9

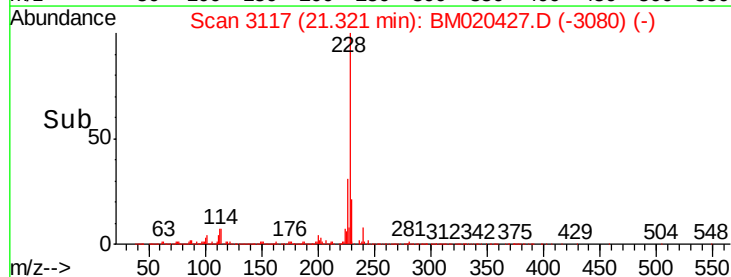
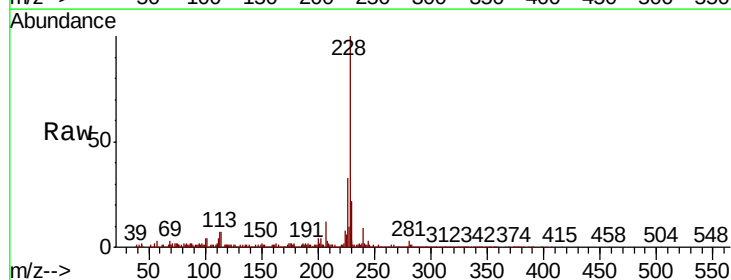
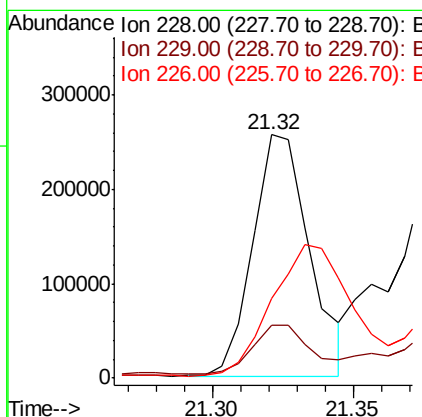
Manual Integrations
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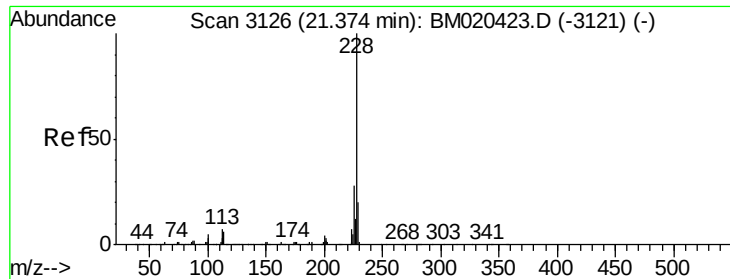
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#82
 Benzo(a)anthracene
 Concen: 16.211 ng/ul
 RT: 21.32 min Scan# 3117
 Delta R.T. 0.02 min
 Lab File: BM020427.D
 Acq: 20 May 2019 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	358194		
229	21.5		15.8	23.8
226	32.5		20.6	30.8#





#84

Chrysene

Concen: 16.051 ng/ul

RT: 21.37 min Scan# 3126

Delta R.T. 0.02 min

Lab File: BM020427.D

Acq: 20 May 2019 12:18

Instrument :

BNA_M

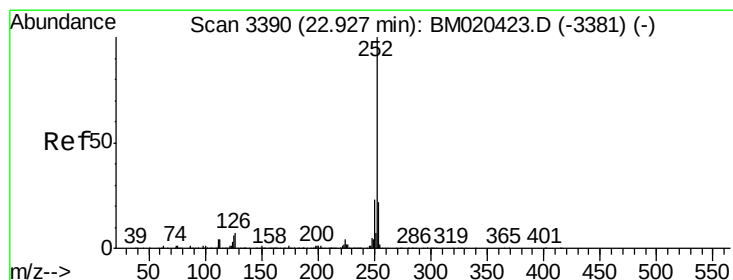
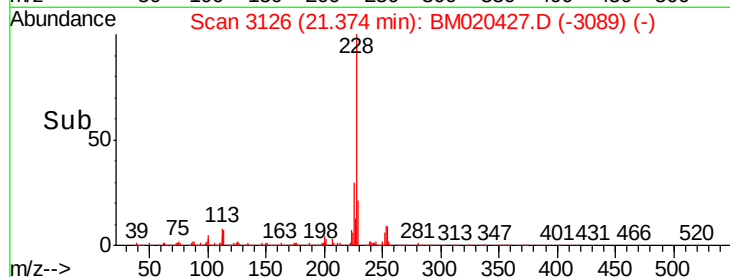
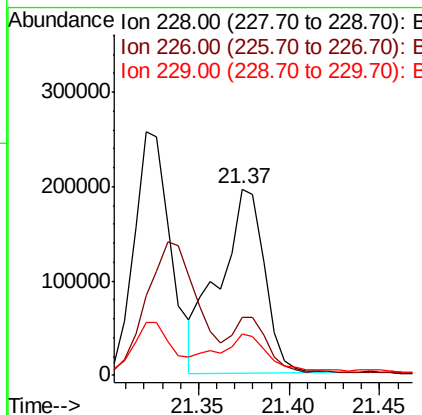
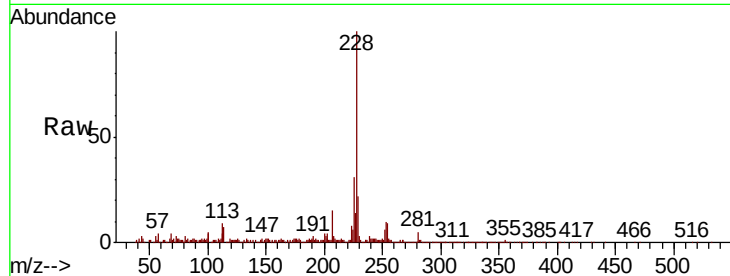
ClientSampleId :

GAJA0DL

Tgt Ion:	228	Resp:	338938
Ion Ratio	Lower	Upper	
228	100		
226	31.4	22.2	33.4
229	22.4	15.4	23.2

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#87

Benzo(b)fluoranthene

Concen: 17.059 ng/ul

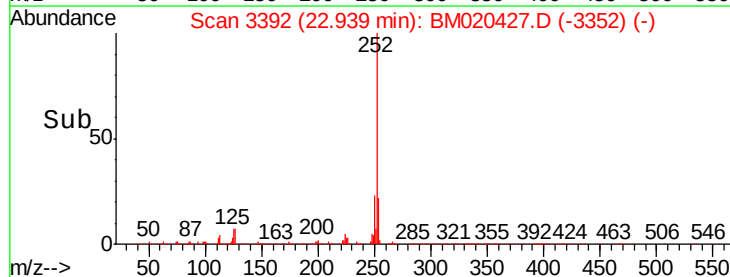
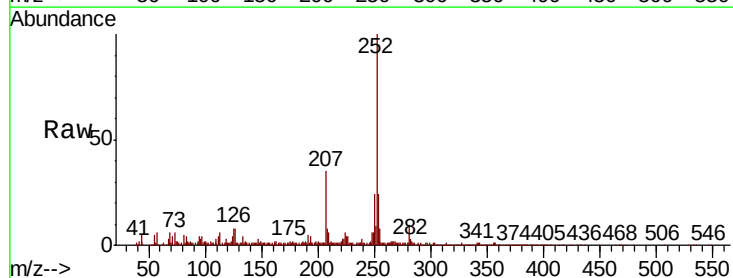
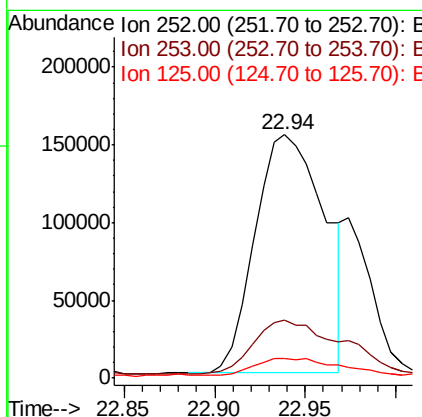
RT: 22.94 min Scan# 3392

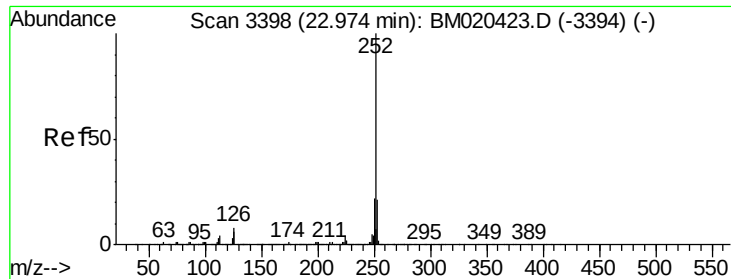
Delta R.T. 0.04 min

Lab File: BM020427.D

Acq: 20 May 2019 12:18

Tgt Ion:	252	Resp:	409465
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.0	25.6
125	8.1	5.0	7.4#





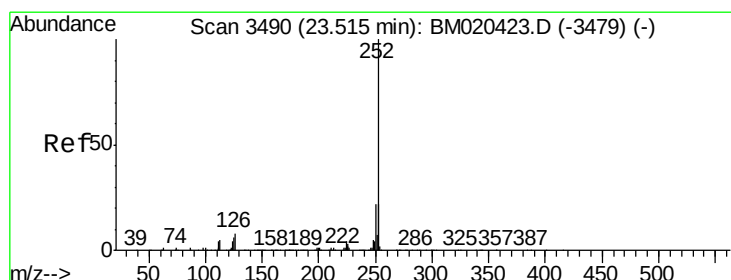
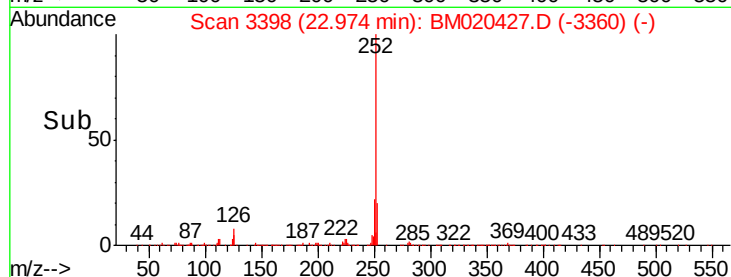
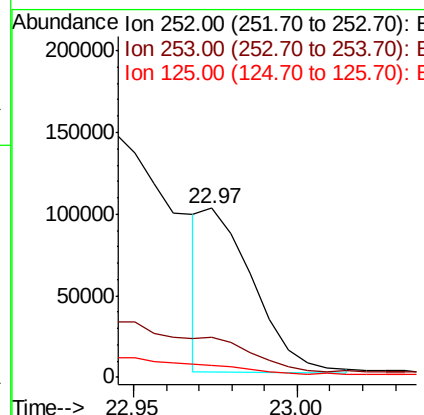
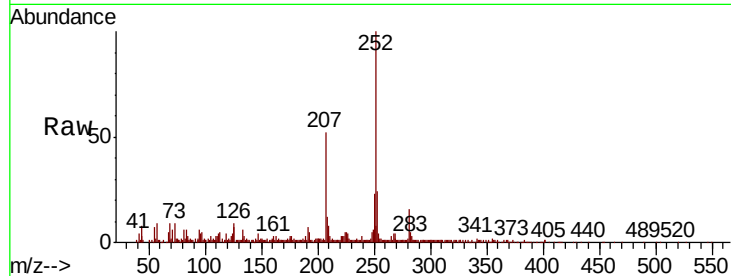
#88
Benzo(k)fluoranthene
Concen: 4.524 ng/ul m
RT: 22.97 min Scan# 3398
Delta R.T. 0.02 min
Lab File: BM020427.D
Acq: 20 May 2019 12:18

Instrument :
BNA_M
ClientSampleId :
GAJA0DL

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	106655		
253	23.7	17.6	26.4	
125	6.8	5.0	7.6	

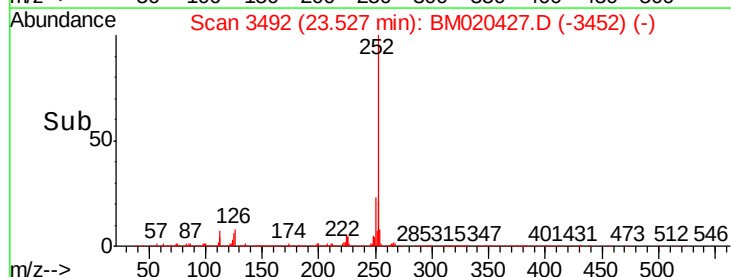
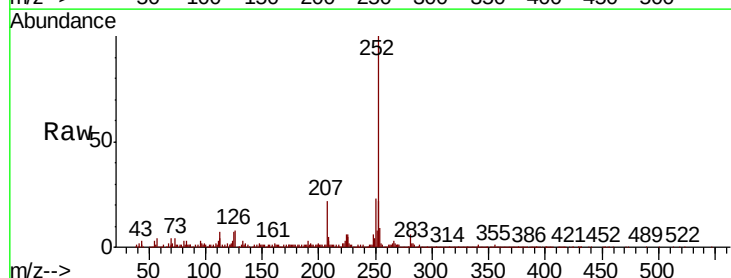
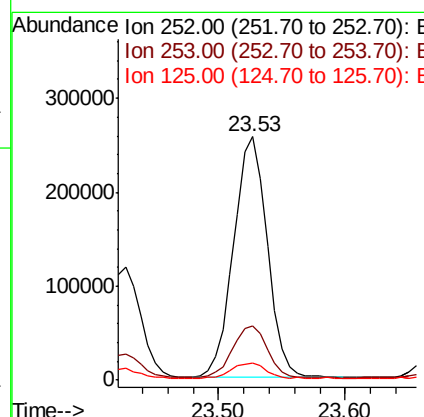
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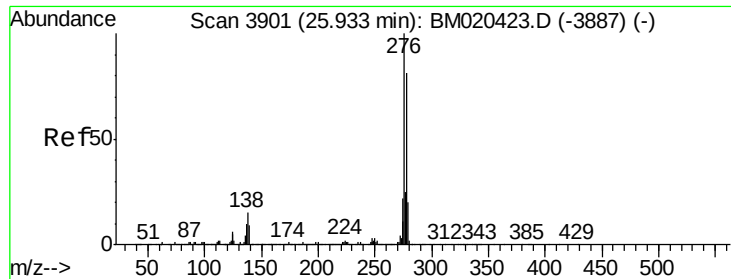
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#90
Benzo(a)pyrene
Concen: 20.854 ng/ul
RT: 23.53 min Scan# 3492
Delta R.T. 0.04 min
Lab File: BM020427.D
Acq: 20 May 2019 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	471084		
253	22.3	17.4	26.2	
125	7.1	5.4	8.2	





#91

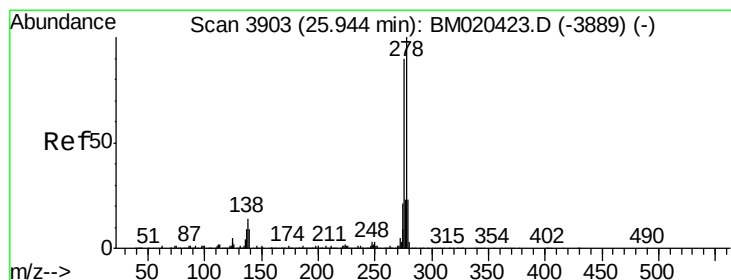
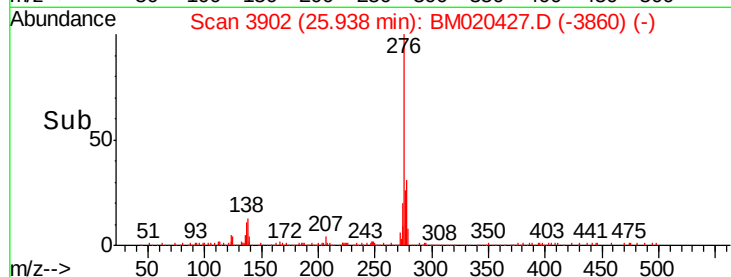
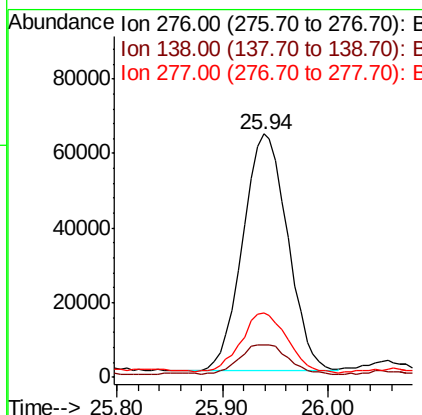
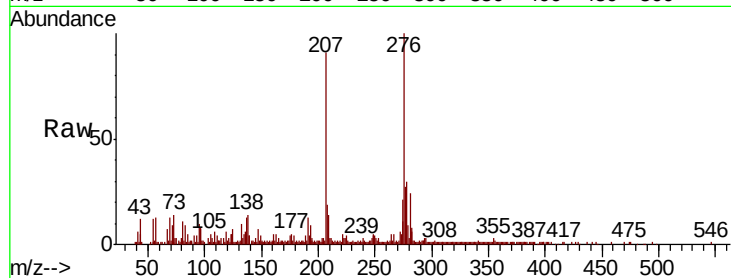
Indeno(1,2,3-cd)pyrene
Concen: 7.264 ng/ul
RT: 25.94 min Scan# 3902
Delta R.T. 0.05 min
Lab File: BM020427.D
Acq: 20 May 2019 12:18

Instrument :
BNA_M
ClientSampleId :
GAJA0DL

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	186986		
138	13.5	12.3	18.5	
277	26.6	20.0	30.0	

Manual Integrations
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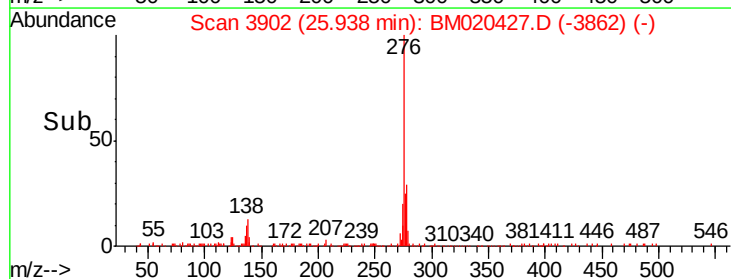
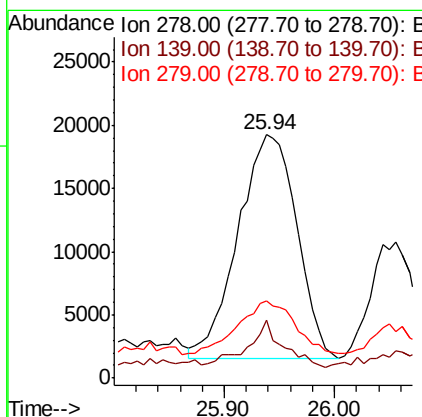
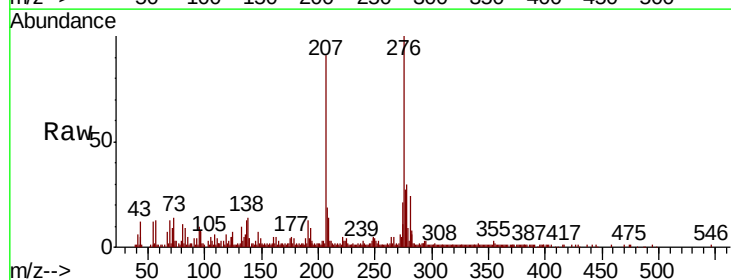
Sohil
5/21/2019 8:27:54 AM

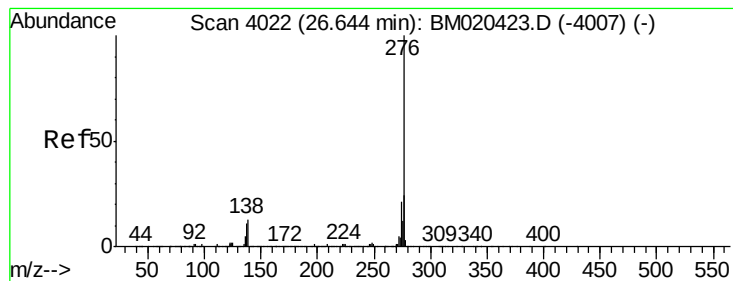


#92

Dibenzo(a,h)anthracene
Concen: 2.984 ng/ul
RT: 25.94 min Scan# 3902
Delta R.T. 0.04 min
Lab File: BM020427.D
Acq: 20 May 2019 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	65674		
139	23.8	8.1	12.1#	
279	31.7	18.7	28.1#	





#93

Benzo(g,h,i)perylene

Concen: 6.796 ng/ul

RT: 26.66 min Scan# 4024

Delta R.T. 0.06 min

Lab File: BM020427.D

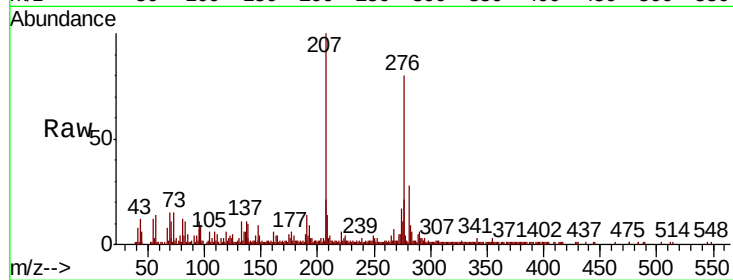
Acq: 20 May 2019 12:18

Instrument :

BNA_M

ClientSampleId :

GAJA0DL



Tgt	Ion:276	Resp:	144792
Ion	Ratio	Lower	Upper
276	100		
138	12.7	10.0	15.0
277	26.8	18.2	27.4

Manual Integrations
APPROVED

Sohil
5/21/2019 8:27:54 AM

