

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
 Data File : BM020503.D
 Acq On : 22 May 2019 22:11
 Operator : JU/SJ
 Sample : K2927-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4293

Manual Integrations
 APPROVED

mohammad
 5/23/2019 2:22:27 PM

Quant Time: Jun 05 09:44:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 23 07:52:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	66735	20.00	ng/ul	0.00
18) Naphthalene-d8	10.47	136	252770	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	156615	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	384482	20.00	ng/ul	0.00
77) Chrysene-d12	21.29	240	417873	20.00	ng/ul	0.00
85) Perylene-d12	23.54	264	494178	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	8171	4.52	ng/uL	0.00
5) Phenol-d5	6.85	99	116519	21.89	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	73264	21.65	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	90969	23.30	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	78398	20.22	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	39053	23.75	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	44258	24.40	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	90852	23.69	ng/ul	0.00
29) 4-Chloroaniline-d4	10.63	131	52626	13.28	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	261378	23.20	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	315379	22.38	ng/ul	0.00
51) 4-Nitrophenol-d4	14.57	143	23543m	14.39	ng/ul	0.00
57) Fluorene-d10	15.33	176	232498	23.20	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.48	200	22400	10.23	ng/ul	0.00
70) Anthracene-d10	17.19	188	371241	22.51	ng/ul	0.00
78) Pyrene-d10	19.49	212	439523	21.84	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.39	264	474729	21.14	ng/ul	0.00

Target Compounds

					Ovalue	
44) Dimethylphthalate	13.80	163	72796	6.531	ng/ul	98
47) Acenaphthylene	14.06	152	25843	1.944	ng/ul	99
58) Fluorene	15.39	166	13153	1.187	ng/ul#	95
69) Phenanthrene	17.13	178	192698	10.519	ng/ul	98
71) Anthracene	17.23	178	58947	3.163	ng/ul	100
76) Fluoranthene	19.16	202	384419	16.612	ng/ul	97
79) Pyrene	19.52	202	340211	13.564	ng/ul	99
82) Benzo(a)anthracene	21.27	228	224479	8.925	ng/ul	97
84) Chrysene	21.32	228	200900	8.358	ng/ul	95
87) Benzo(b)fluoranthene	22.86	252	269865	9.568	ng/ul#	97
88) Benzo(k)fluoranthene	22.90	252	102360m	3.695	ng/ul	
90) Benzo(a)pyrene	23.44	252	196878	7.417	ng/ul	96
91) Indeno(1,2,3-cd)pyrene	25.82	276	143919	4.759	ng/ul#	95
92) Dibenzo(a,h)anthracene	25.82	278	41386	1.600	ng/ul#	82
93) Benzo(g,h,i)perylene	26.52	276	101764	4.065	ng/ul	94

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

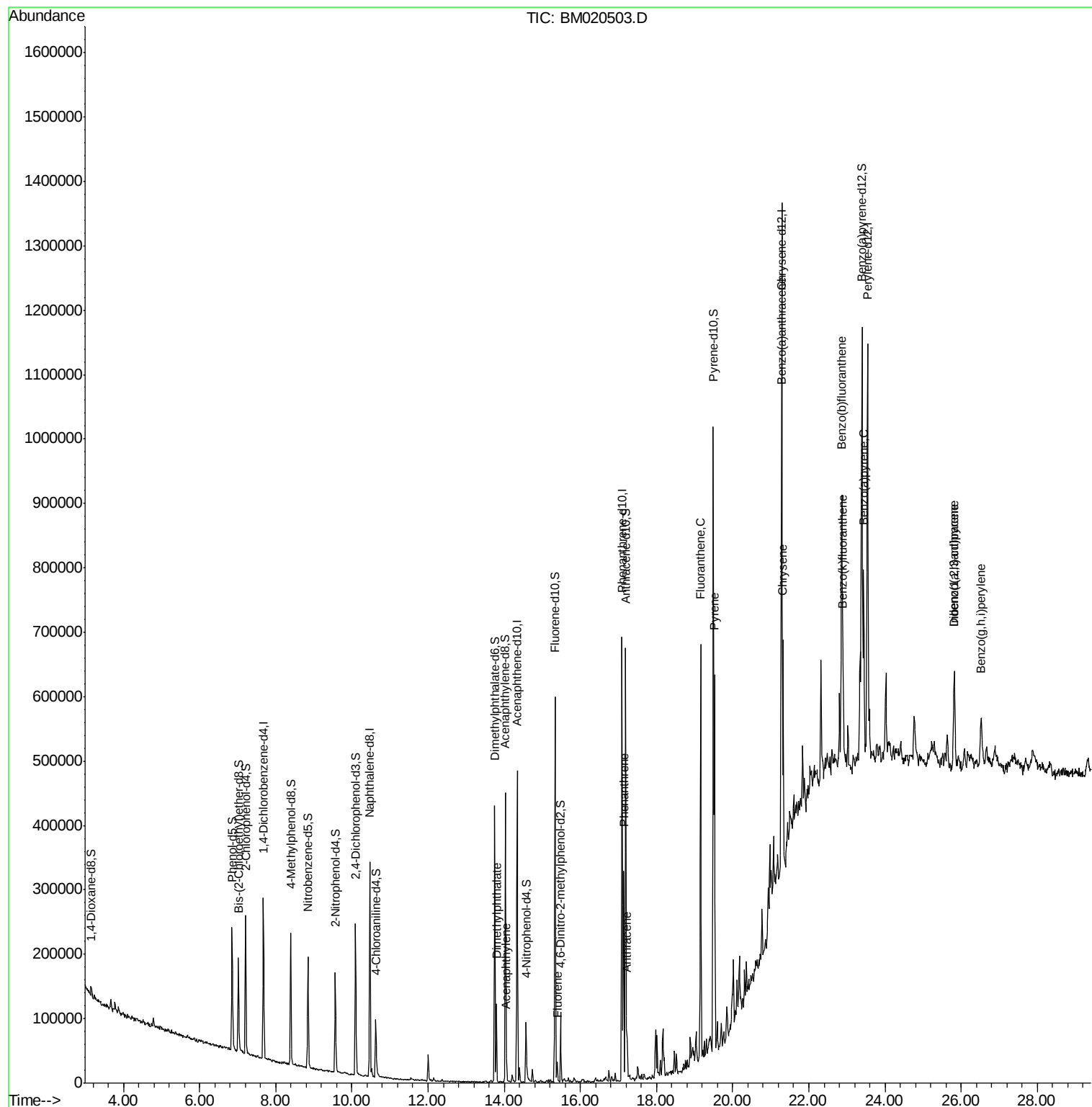
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
Data File : BM020503.D
Acq On : 22 May 2019 22:11
Operator : JU/SJ
Sample : K2927-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

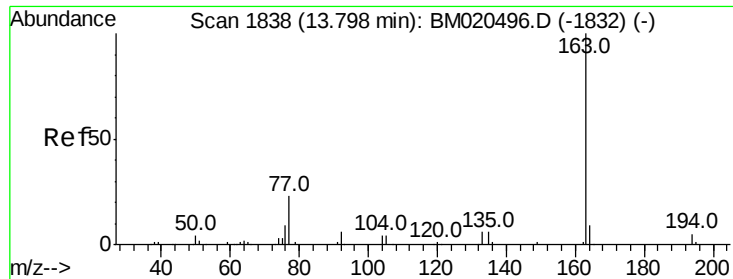
Instrument :
BNA_M
ClientSampleId :
A4293

Quant Time: Jun 05 09:44:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 23 07:52:10 2019
Response via : Initial Calibration

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#44

Dimethylphthalate

Concen: 6.531 ng/ul

RT: 13.80 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BM020503.D

Acq: 22 May 2019 22:11

Instrument :

BNA_M

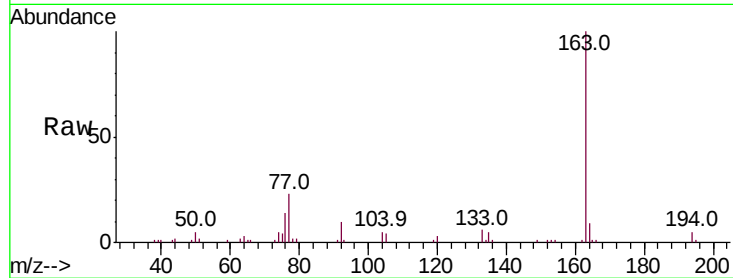
ClientSampleId :

A4293

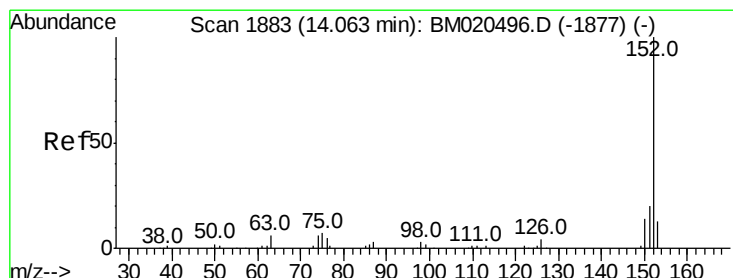
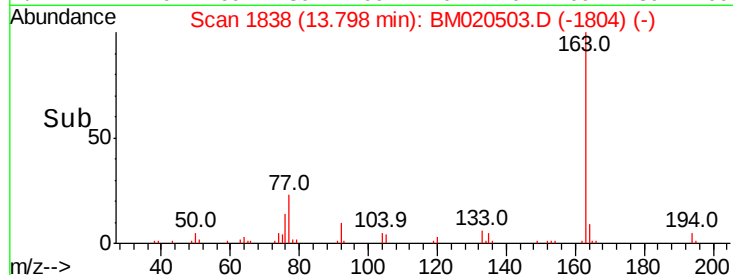
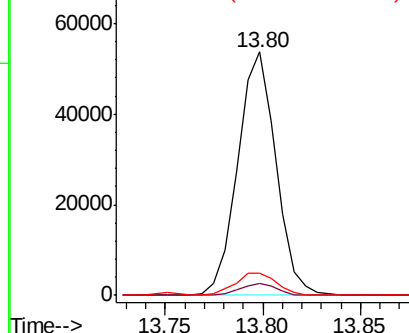
Tot Ion:	163	Resp:	72796
Ion Ratio	Lower	Upper	
163	100		
194	4.7	3.3	4.9
164	9.2	8.0	12.0

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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



#47

Acenaphthylene

Concen: 1.944 ng/ul

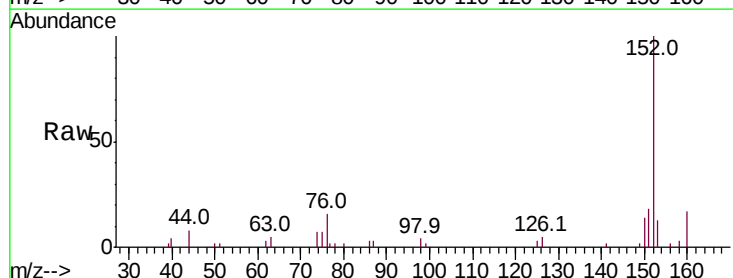
RT: 14.06 min Scan# 1883

Delta R.T. 0.00 min

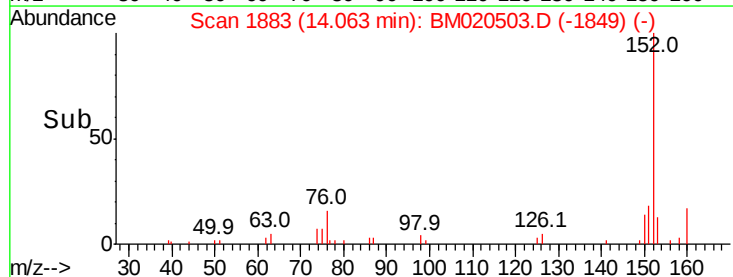
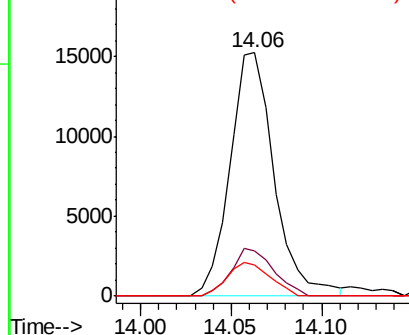
Lab File: BM020503.D

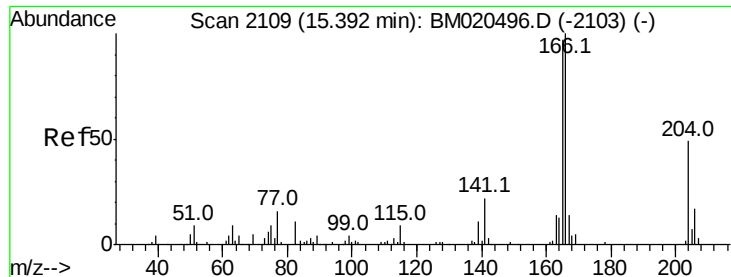
Acq: 22 May 2019 22:11

Tgt Ion:	152	Resp:	25843
Ion Ratio	Lower	Upper	
152	100		
151	18.5	15.4	23.0
153	12.7	10.3	15.5



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





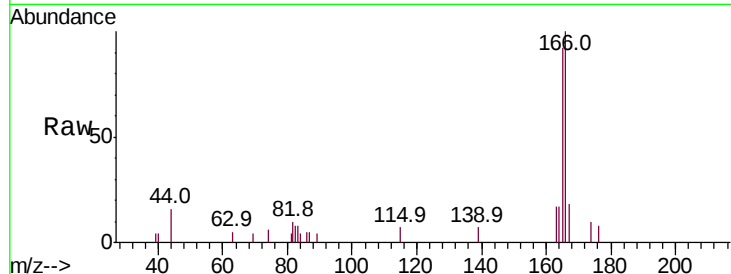
#58
 Fluorene
 Concen: 1.187 ng/ul
 RT: 15.39 min Scan# 2109
 Delta R.T. 0.00 min
 Lab File: BM020503.D
 Acq: 22 May 2019 22:11

Instrument :
 BNA_M
 ClientSampleId :
 A4293

Tot Ion	Ratio	Resp	Lower	Upper
166	100	13153		
165	92.5	77.1	115.7	
167	17.7	11.1	16.7#	

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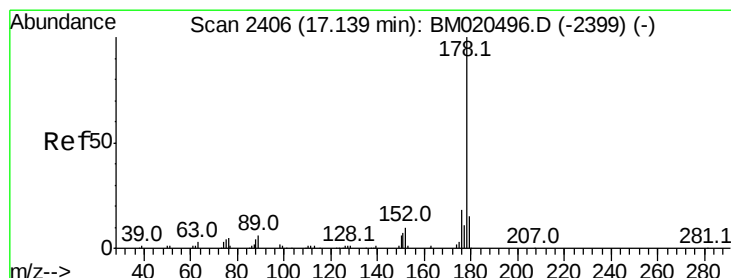
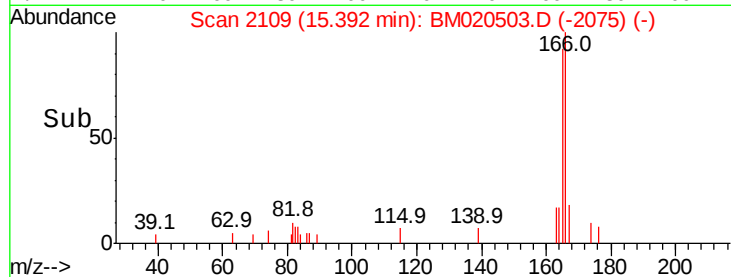
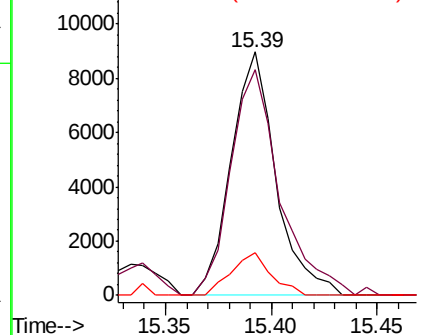


Abundance

Ion 166.00 (165.70 to 166.70): E

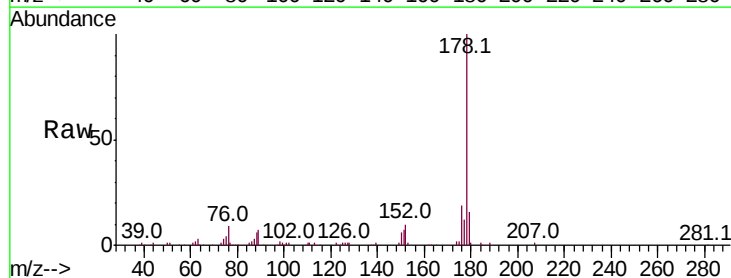
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69
 Phenanthrene
 Concen: 10.519 ng/ul
 RT: 17.13 min Scan# 2405
 Delta R.T. -0.01 min
 Lab File: BM020503.D
 Acq: 22 May 2019 22:11

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	192698		
179	16.1	11.9	17.9	
176	19.0	14.6	22.0	

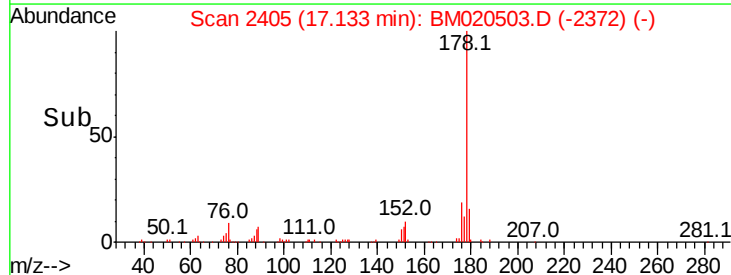
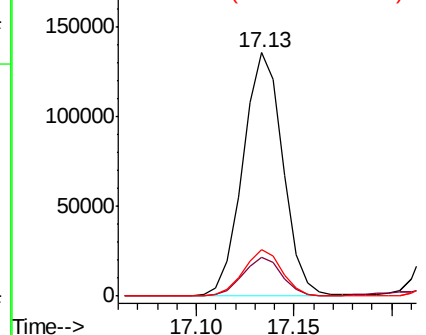


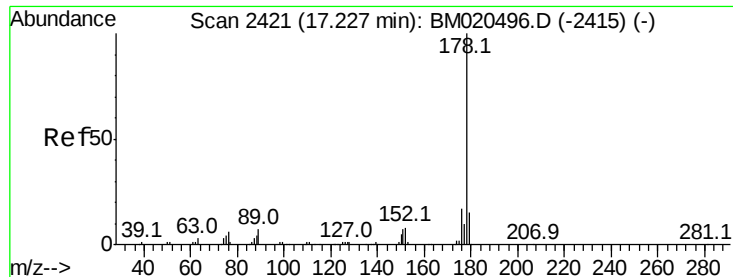
Abundance

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





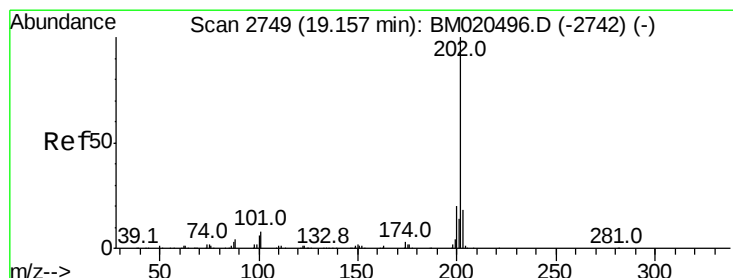
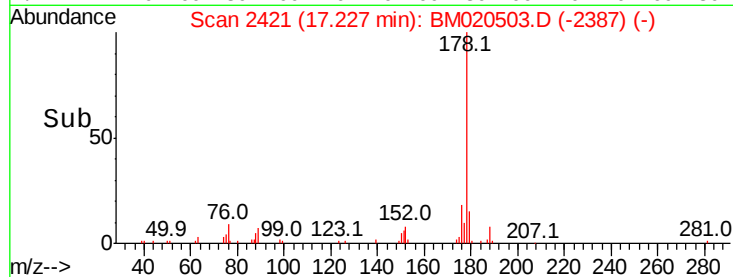
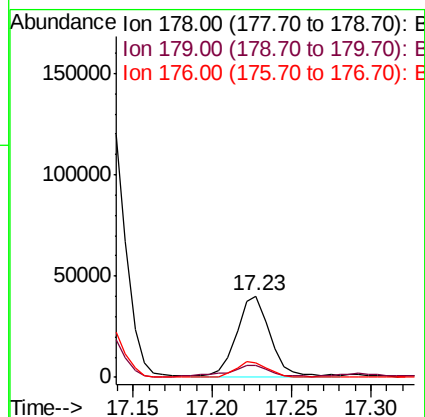
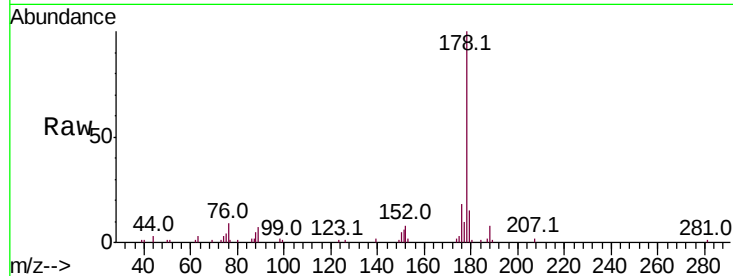
#71
 Anthracene
 Concen: 3.163 ng/ul
 RT: 17.23 min Scan# 2421
 Delta R.T. 0.00 min
 Lab File: BM020503.D
 Acq: 22 May 2019 22:11

Instrument :
 BNA_M
 ClientSampleId :
 A4293

Tot Ion:178	Resp:	58947
Ion Ratio	Lower	Upper
178	100	
179	15.2	12.4 18.6
176	18.0	14.4 21.6

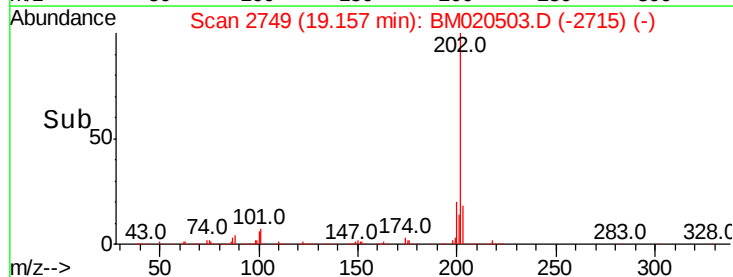
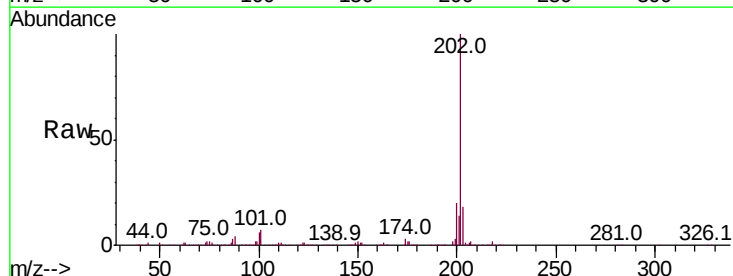
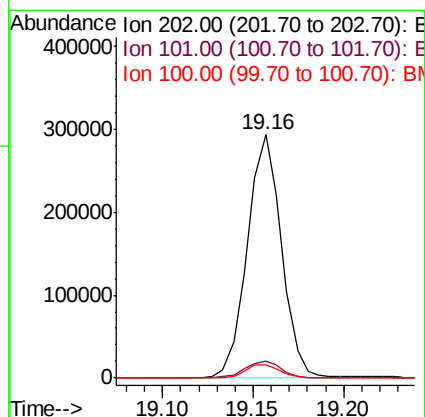
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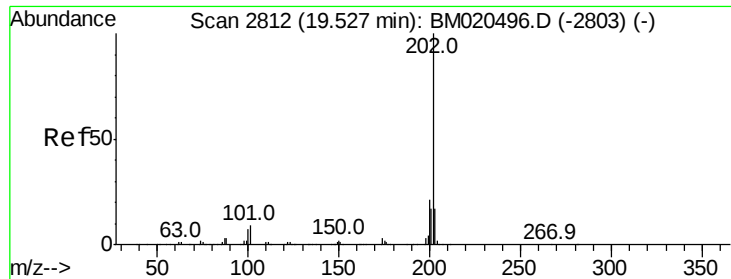
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#76
 Fluoranthene
 Concen: 16.612 ng/ul
 RT: 19.16 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: BM020503.D
 Acq: 22 May 2019 22:11

Tgt Ion:202	Resp:	384419
Ion Ratio	Lower	Upper
202	100	
101	6.8	6.4 9.6
100	5.6	5.2 7.8





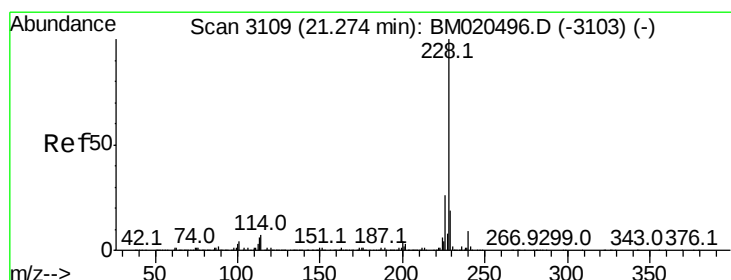
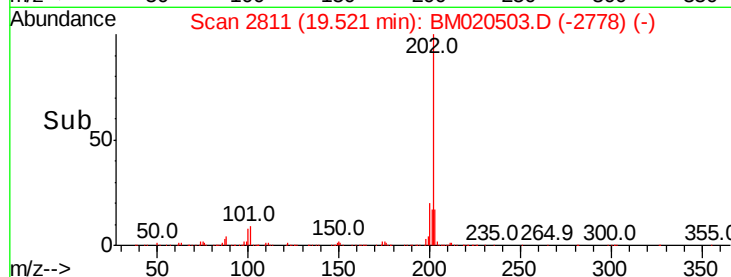
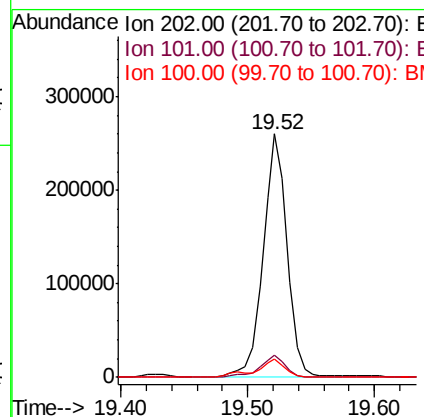
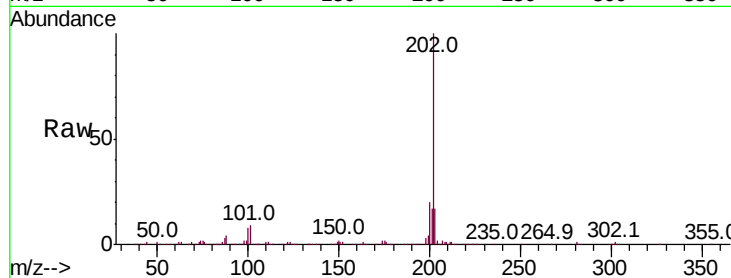
#79
Pvrene
Concen: 13.564 ng/ul
RT: 19.52 min Scan# 2811
Delta R.T. -0.01 min
Lab File: BM020503.D
Acq: 22 May 2019 22:11

Instrument :
BNA_M
ClientSampleId :
A4293

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		340211		
101	9.3	7.1	10.7		
100	7.5	5.9	8.9		

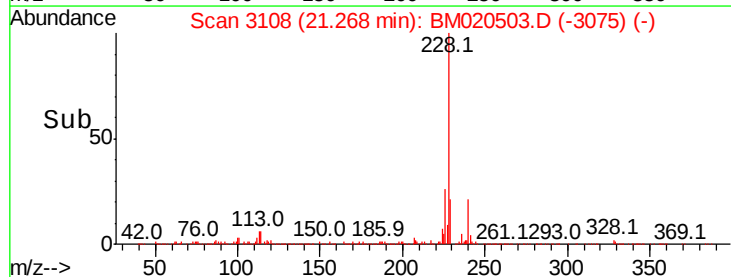
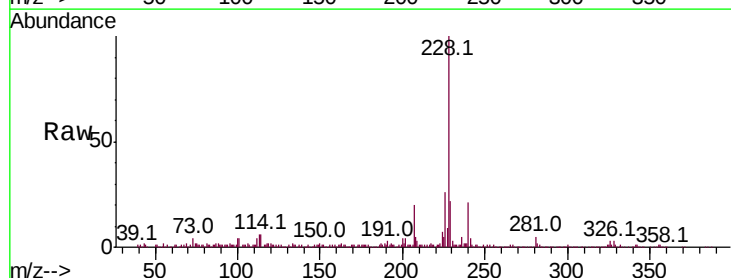
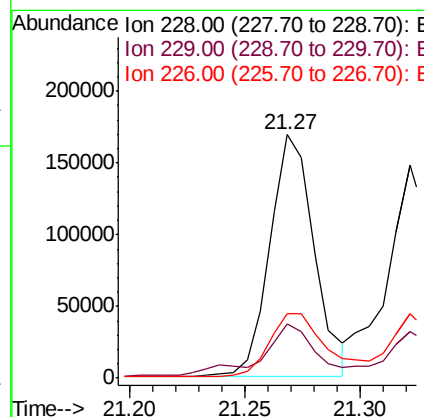
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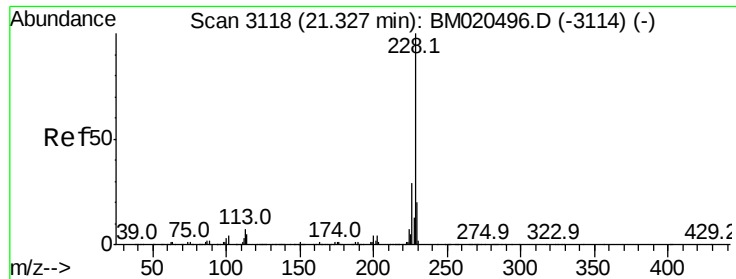
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#82
Benzo(a)anthracene
Concen: 8.925 ng/ul
RT: 21.27 min Scan# 3108
Delta R.T. -0.01 min
Lab File: BM020503.D
Acq: 22 May 2019 22:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100		224479		
229	22.1	15.8	23.8		
226	26.5	20.6	30.8		





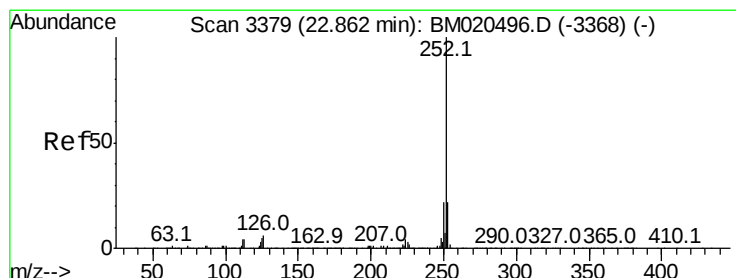
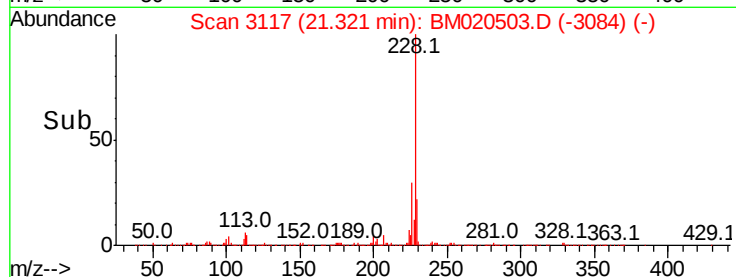
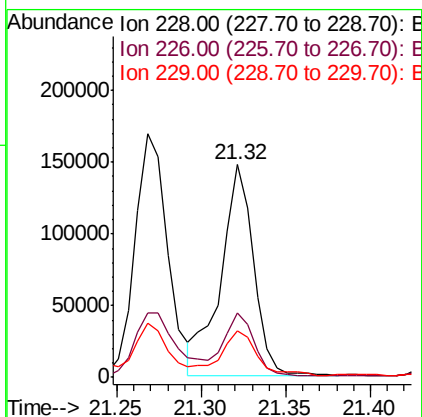
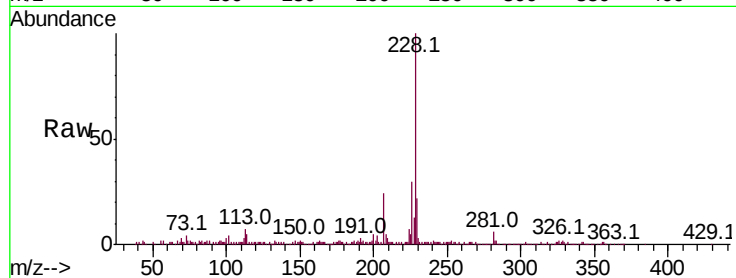
#84
Chrysene
Concen: 8.358 ng/ul
RT: 21.32 min Scan# 3117
Delta R.T. -0.01 min
Lab File: BM020503.D
Acq: 22 May 2019 22:11

Instrument :
BNA_M
ClientSampleId :
A4293

Tot Ion	Ratio	Resp	Lower	Upper
228	100	200900		
226	30.4		22.2	33.4
229	22.0		15.4	23.2

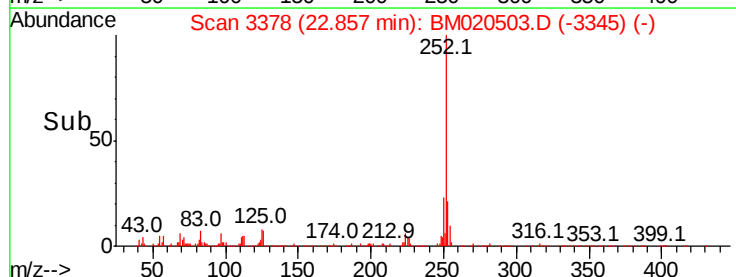
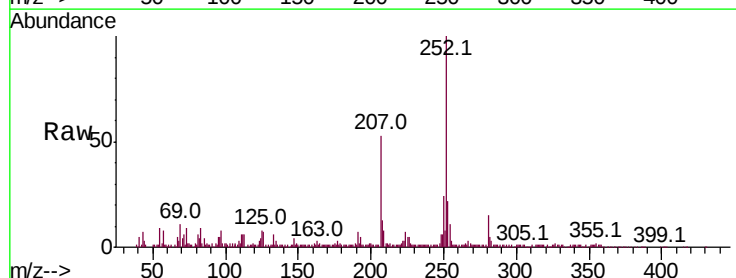
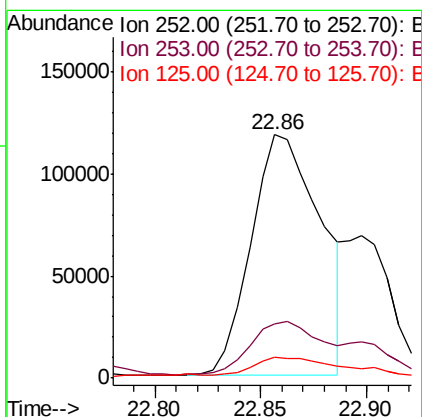
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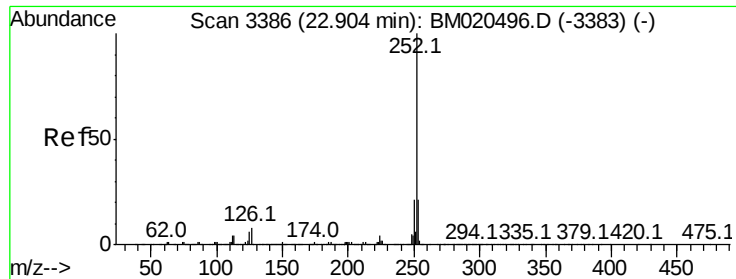
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#87
Benzo(b)fluoranthene
Concen: 9.568 ng/ul
RT: 22.86 min Scan# 3378
Delta R.T. -0.01 min
Lab File: BM020503.D
Acq: 22 May 2019 22:11

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	269865		
253	22.1		17.0	25.6
125	8.5		5.0	7.4





#88

Benzo(k)fluoranthene

Concen: 3.695 ng/ul m

RT: 22.90 min Scan# 3385

Delta R.T. -0.01 min

Lab File: BM020503.D

Acq: 22 May 2019 22:11

Instrument :

BNA_M

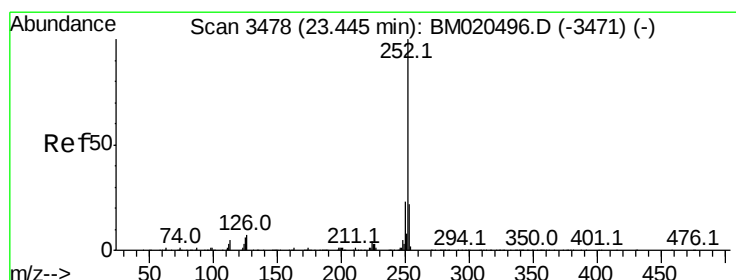
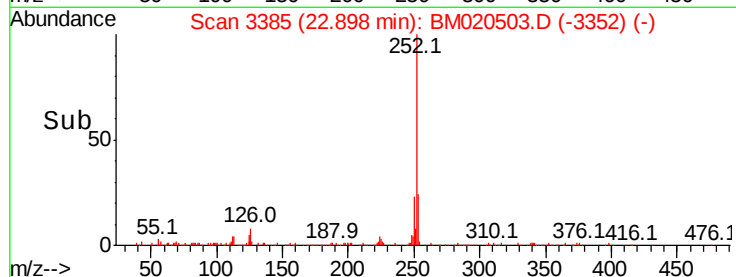
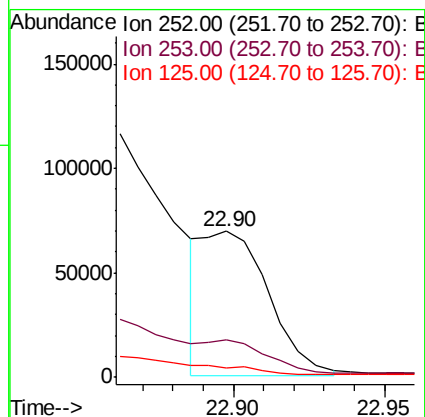
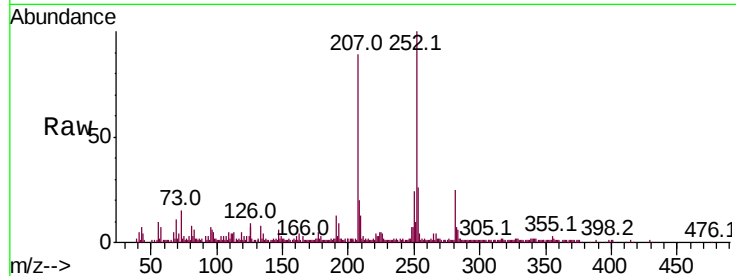
ClientSampleId :

A4293

Tot Ion:	252	Resp:	102360
Ion Ratio	Lower	Upper	
252	100		
253	25.7	17.6	26.4
125	6.6	5.0	7.6

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#90

Benzo(a)pyrene

Concen: 7.417 ng/ul

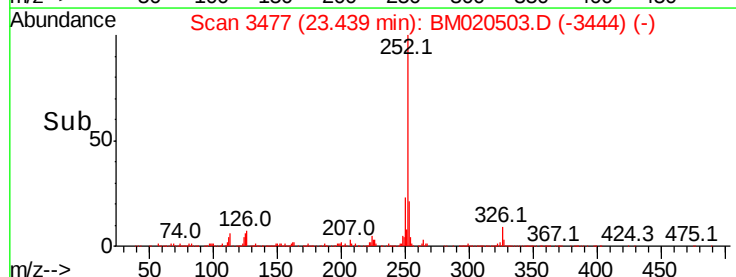
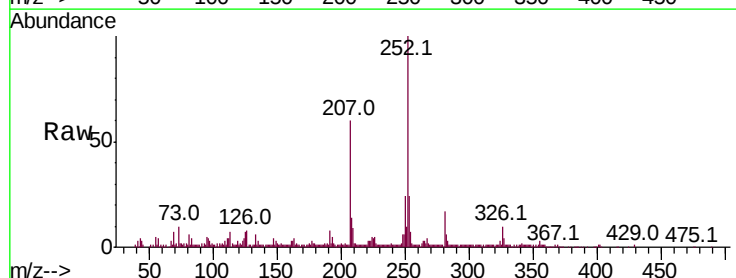
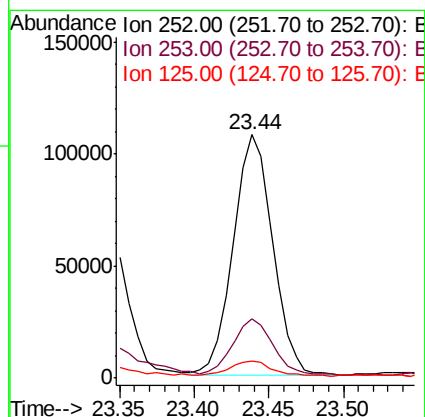
RT: 23.44 min Scan# 3477

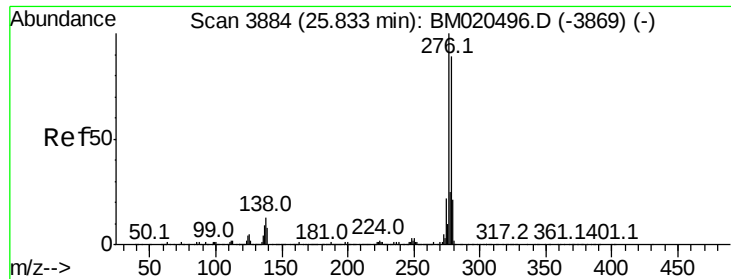
Delta R.T. -0.01 min

Lab File: BM020503.D

Acq: 22 May 2019 22:11

Tgt Ion:	252	Resp:	196878
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.4	26.2
125	7.2	5.4	8.2





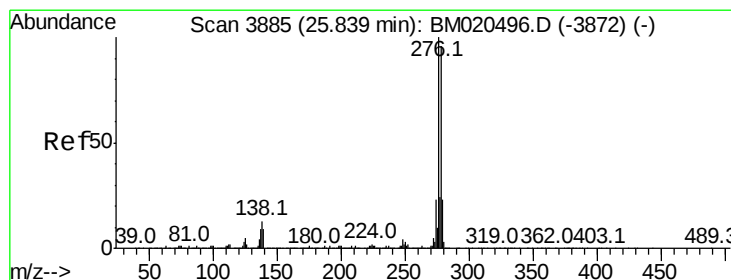
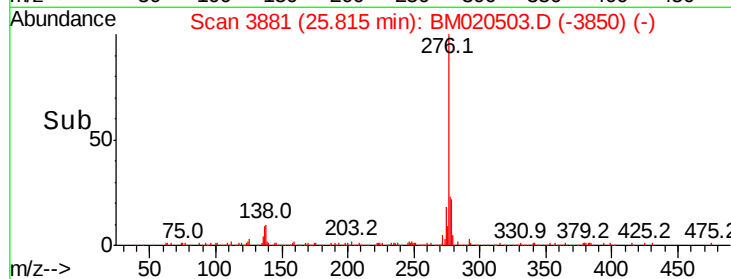
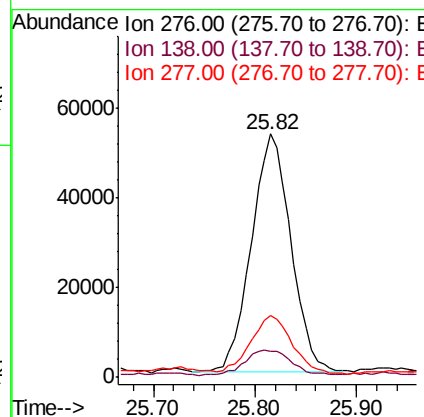
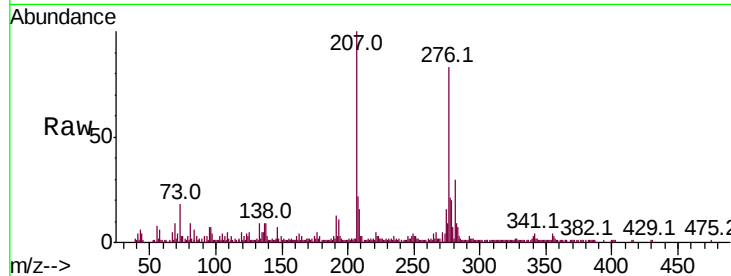
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 4.759 ng/ul
 RT: 25.82 min Scan# 3881
 Delta R.T. -0.02 min
 Lab File: BM020503.D
 Acq: 22 May 2019 22:11

Instrument :
 BNA_M
 ClientSampleId :
 A4293

Tot Ion	Ratio	Lower	Upper
276	100		
138	10.9	12.3	18.5#
277	25.5	20.0	30.0

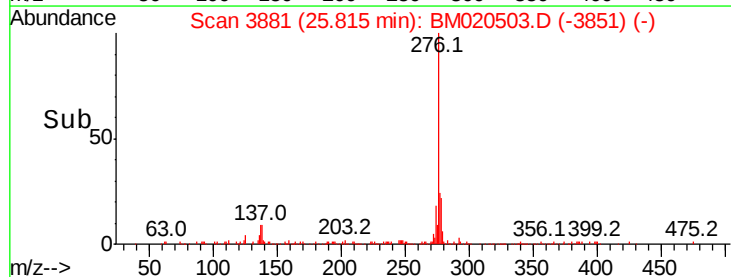
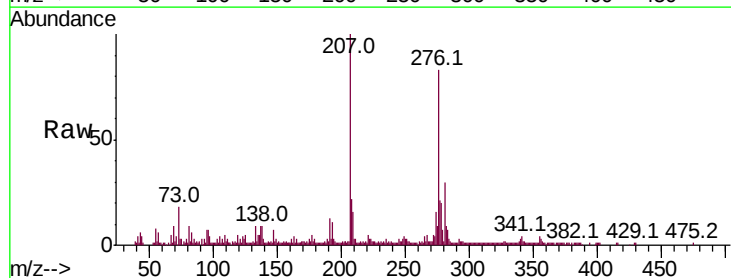
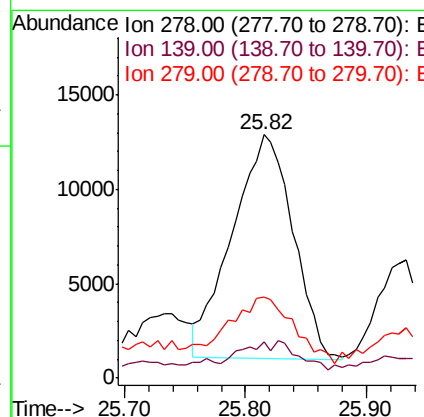
Manual Integrations
 APPROVED

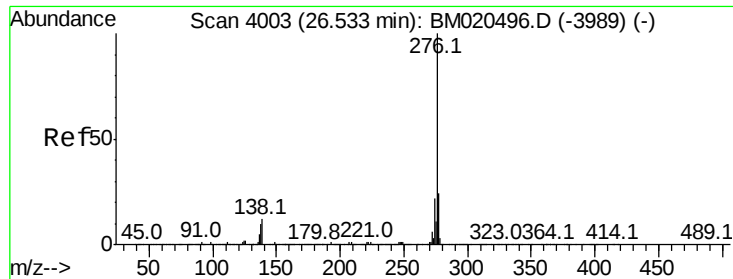
mohammad
 5/23/2019 2:22:27 PM



#92
 Dibenzo(a,h)anthracene
 Concen: 1.600 ng/ul
 RT: 25.82 min Scan# 3881
 Delta R.T. -0.02 min
 Lab File: BM020503.D
 Acq: 22 May 2019 22:11

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.0	8.1	12.1#
279	33.1	18.7	28.1#





#93

Benzo(a,h,i)perylene

Concen: 4.065 ng/ul

RT: 26.52 min Scan# 4001

Delta R.T. -0.01 min

Lab File: BM020503.D

Acq: 22 May 2019 22:11

Instrument :

BNA_M

ClientSampleId :

A4293

Tot Ion:	276	Resp:	101764
Ion Ratio	Lower	Upper	
276	100		
138	14.6	10.0	15.0
277	25.8	18.2	27.4

Manual Integrations
APPROVED

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