

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112619\
 Data File : BM023893.D
 Acq On : 26 Nov 2019 15:11
 Operator : JU
 Sample : K5854-11DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 C0AC9DL

Manual Integrations
 APPROVED

mohammad
 11/27/2019 8:56:20 AM

Quant Time: Nov 26 15:45:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM11119MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 26 13:12:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	368470	20.00	ng/ul	0.00
18) Naphthalene-d8	10.27	136	1515501	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.16	164	925072	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.92	188	1907777	20.00	ng/ul	0.00
78) Chrysene-d12	21.12	240	1832502	20.00	ng/ul	0.00
86) Perylene-d12	23.27	264	2207418	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	3988	0.45	ng/uL	0.02
5) Phenol-d5	6.69	99	94937	2.83	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.85	67	63169	3.27	ng/ul	0.00
9) 2-Chlorophenol-d4	7.04	132	83143	3.42	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	66310	2.47	ng/ul	0.00
19) Nitrobenzene-d5	8.65	128	37472	3.45	ng/ul	0.00
22) 2-Nitrophenol-d4	9.37	143	40416	3.54	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.92	165	75245	2.89	ng/ul	0.00
29) 4-Chloroaniline-d4	10.43	131	73595	2.58	ng/ul	0.02
44) Dimethylphthalate-d6	13.58	166	273480	3.79	ng/ul	0.00
47) Acenaphthylene-d8	13.85	160	301222	3.66	ng/ul	0.00
52) 4-Nitrophenol-d4	14.42	143	11604	0.94	ng/ul	0.03
58) Fluorene-d10	15.16	176	241867	3.80	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.31	200	16135	1.46	ng/ul	0.00
71) Anthracene-d10	17.01	188	366935m	4.05	ng/ul	0.00
79) Pyrene-d10	19.32	212	400943	4.20	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.13	264	480997	4.14	ng/ul	0.00

Target Compounds

					Ovalue	
70) Phenanthrene	16.96	178	1410736	13.425	ng/ul	100
72) Anthracene	17.04	178	215429	2.039	ng/ul	98
75) Carbazole	17.32	167	96600	1.097	ng/ul	99
77) Fluoranthene	18.98	202	3300873	29.319	ng/ul#	94
80) Pyrene	19.34	202	2524387	21.312	ng/ul	96
83) Benzo(a)anthracene	21.10	228	1216127	10.061	ng/ul	98
85) Chrysene	21.16	228	1341213	11.786	ng/ul	98
88) Benzo(b)fluoranthene	22.63	252	2043799	14.524	ng/ul#	99
89) Benzo(k)fluoranthene	22.67	252	596309m	4.399	ng/ul	
91) Benzo(a)pyrene	23.17	252	1280562	9.941	ng/ul#	96
92) Indeno(1,2,3-cd)pyrene	25.40	276	1021352	7.415	ng/ul	99
93) Dibenzo(a,h)anthracene	25.40	278	234512	2.017	ng/ul#	84
94) Benzo(g,h,i)perylene	26.04	276	970301	8.693	ng/ul	96

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

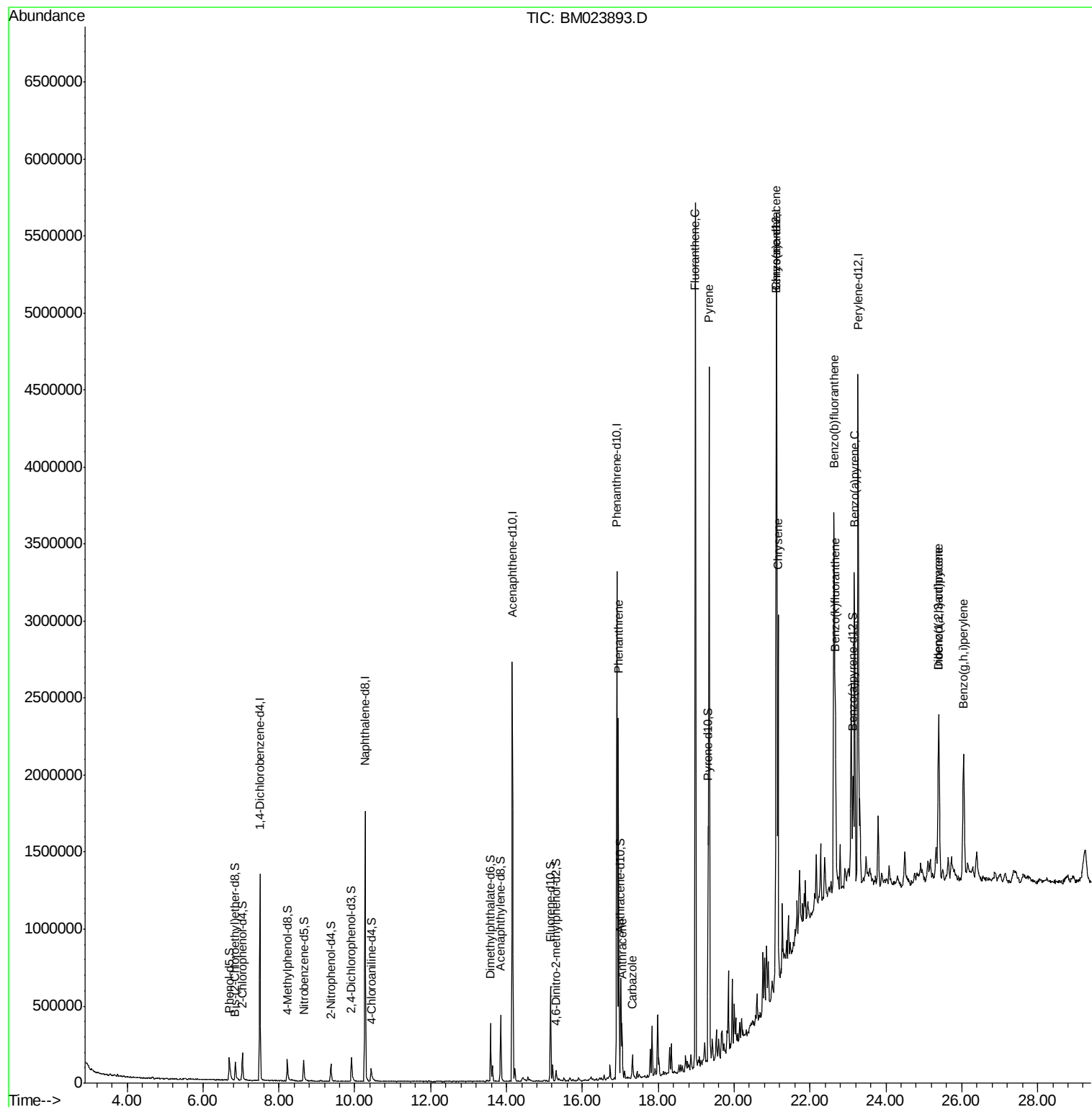
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112619\
Data File : BM023893.D
Acq On : 26 Nov 2019 15:11
Operator : JU
Sample : K5854-11DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

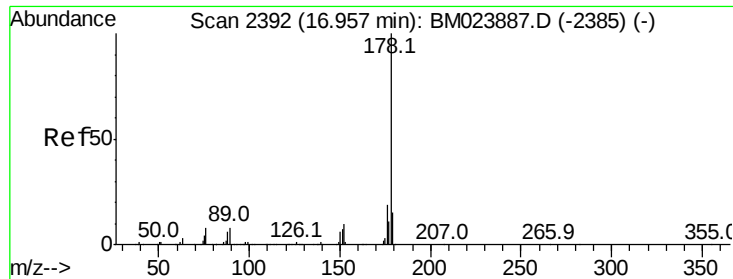
Instrument :
BNA_M
ClientSampleId :
C0AC9DL

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Quant Time: Nov 26 15:45:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM11119MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 26 13:12:07 2019
Response via : Initial Calibration





#70

Phenanthrene

Concen: 13.425 ng/ul

RT: 16.96 min Scan# 2392

Delta R.T. -0.00 min

Lab File: BM023893.D

Acq: 26 Nov 2019 15:11

Instrument :

BNA_M

ClientSampleId :

C0AC9DL

Tot Ion:178 Resp: 1410736

Ion Ratio Lower Upper

178 100

179 15.3 12.3 18.5

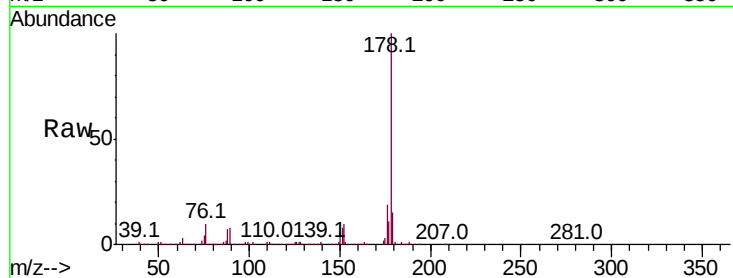
176 18.8 15.0 22.6

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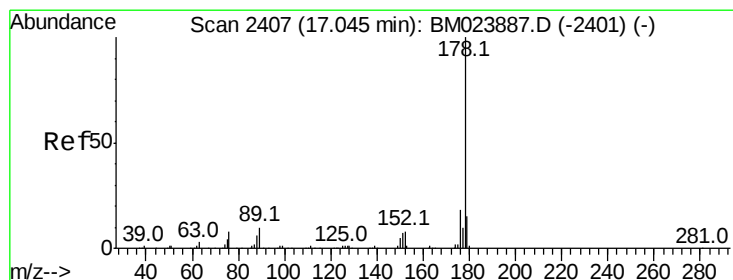
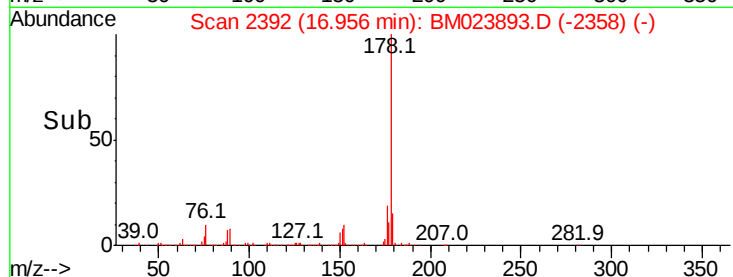
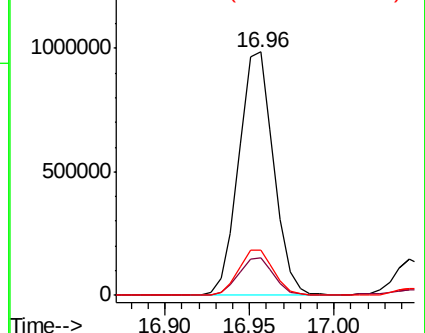
11/27/2019 8:56:20 AM



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



#72

Anthracene

Concen: 2.039 ng/ul

RT: 17.04 min Scan# 2407

Delta R.T. -0.00 min

Lab File: BM023893.D

Acq: 26 Nov 2019 15:11

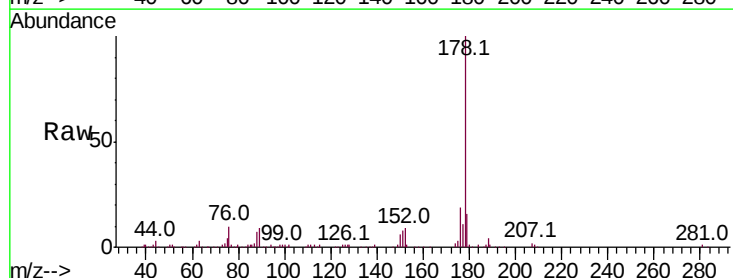
Tgt Ion:178 Resp: 215429

Ion Ratio Lower Upper

178 100

179 16.5 12.3 18.5

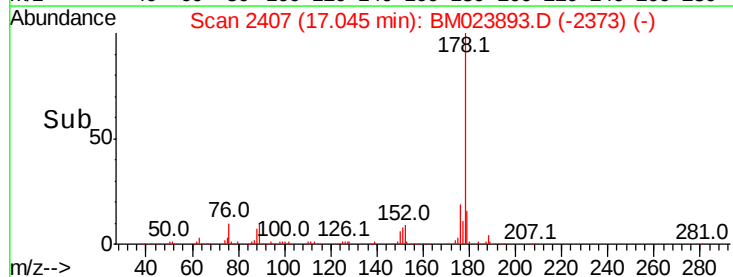
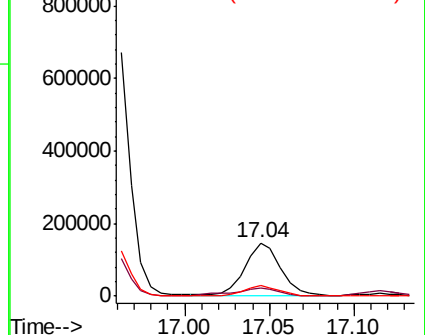
176 19.4 14.7 22.1

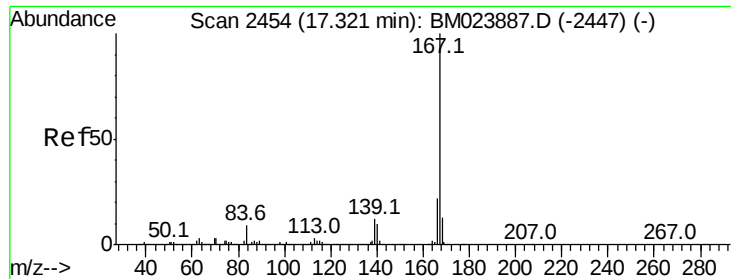


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 1.097 ng/ul

RT: 17.32 min Scan# 2454

Delta R.T. -0.00 min

Lab File: BM023893.D

Acq: 26 Nov 2019 15:11

Instrument :

BNA_M

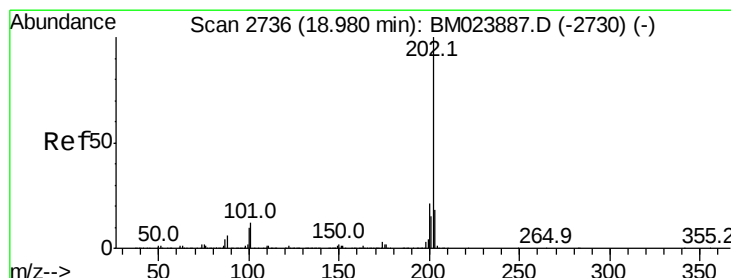
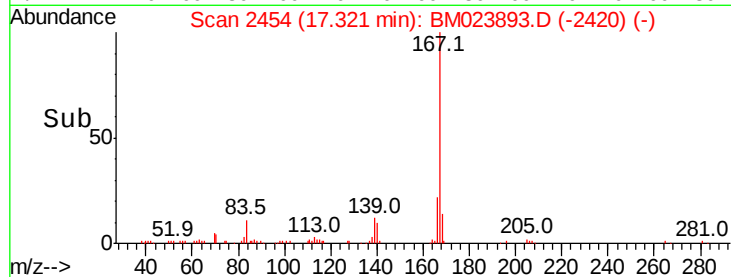
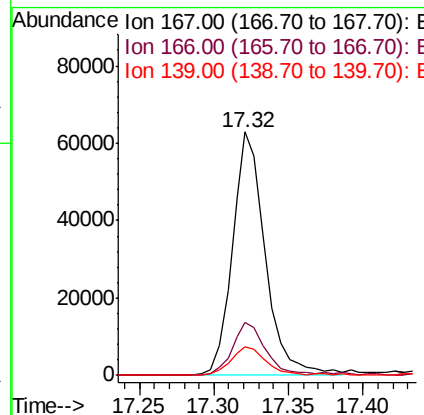
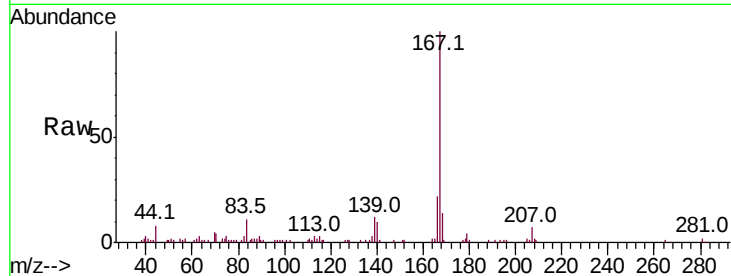
ClientSampleId :

C0AC9DL

Tot Ion	Ratio	Resp	Lower	Upper
167	100			
166	21.9	17.1	25.7	
139	11.7	9.8	14.6	

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#77

Fluoranthene

Concen: 29.319 ng/ul

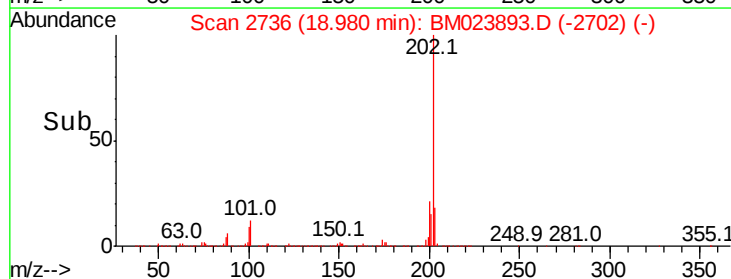
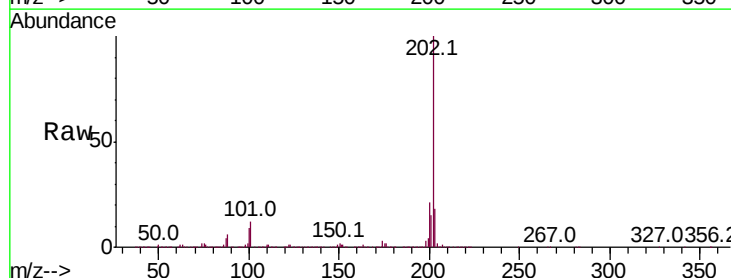
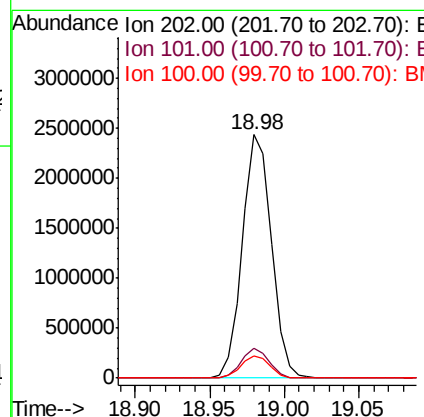
RT: 18.98 min Scan# 2736

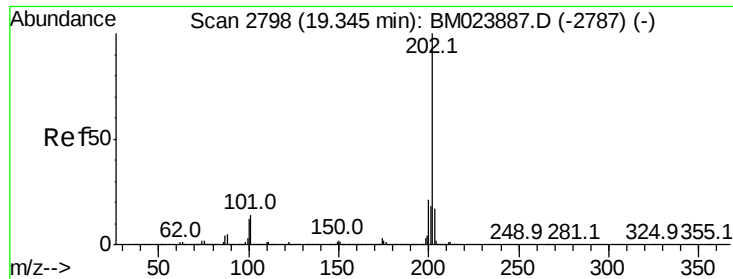
Delta R.T. -0.00 min

Lab File: BM023893.D

Acq: 26 Nov 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	12.3	7.7	11.5#	
100	9.1	6.0	9.0#	





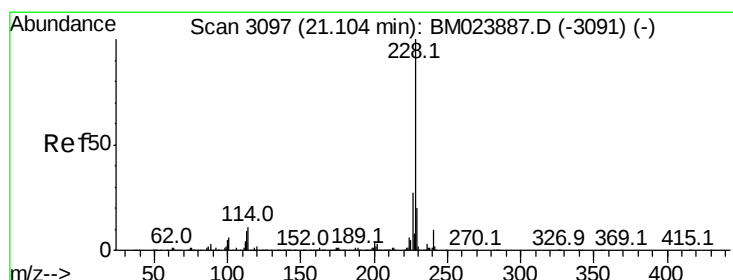
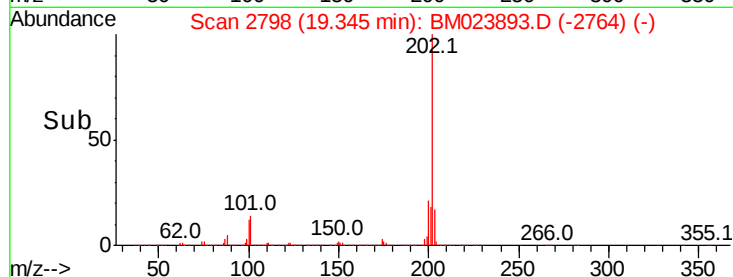
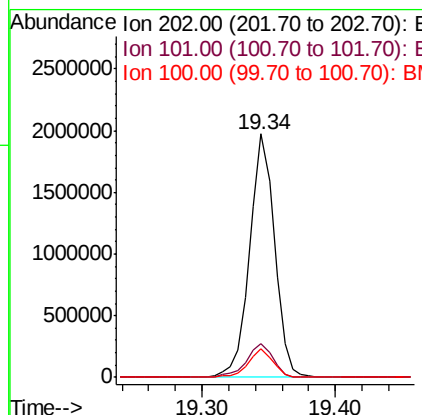
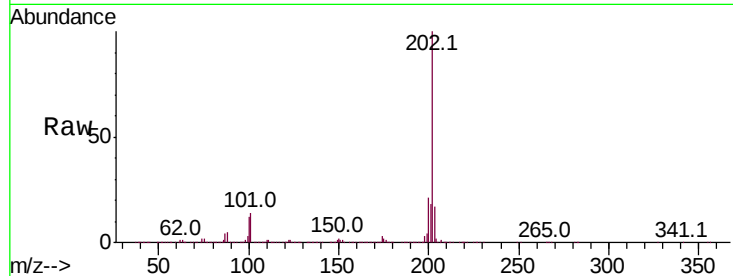
#80
Pvrene
Concen: 21.312 ng/ul
RT: 19.34 min Scan# 2798
Delta R.T. -0.00 min
Lab File: BM023893.D
Acq: 26 Nov 2019 15:11

Instrument :
BNA_M
ClientSampleId :
C0AC9DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.0	9.8	14.6
100	11.7	8.1	12.1

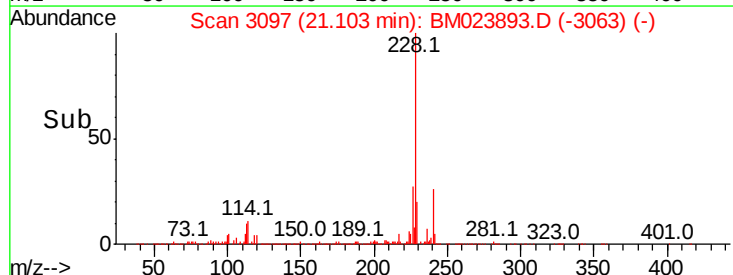
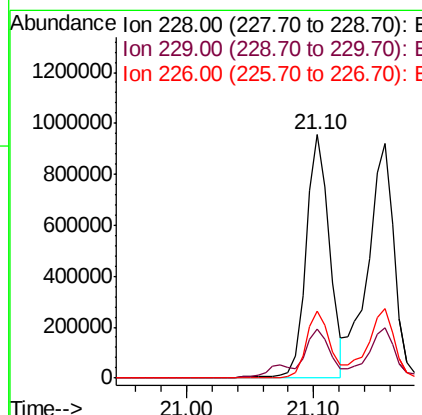
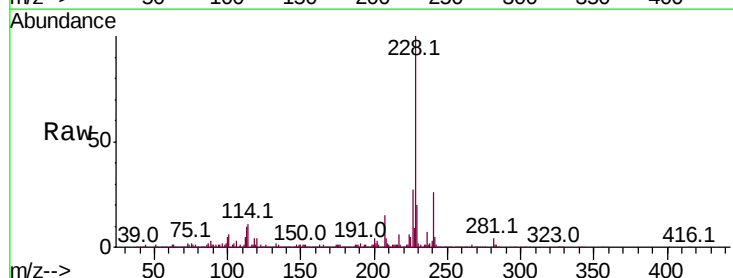
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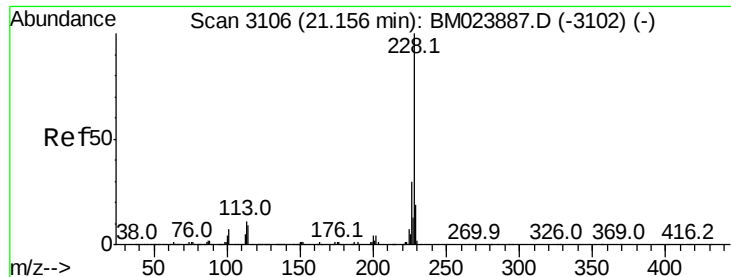
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#83
Benzo(a)anthracene
Concen: 10.061 ng/ul
RT: 21.10 min Scan# 3097
Delta R.T. -0.00 min
Lab File: BM023893.D
Acq: 26 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.4	15.6	23.4
226	27.5	21.4	32.2





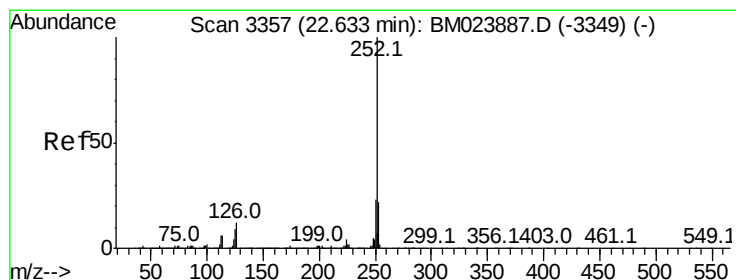
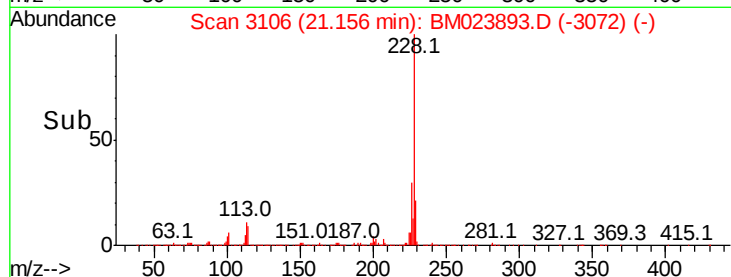
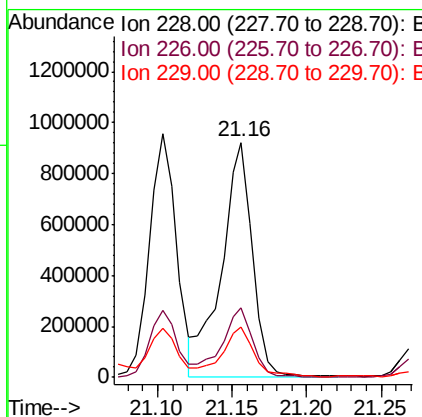
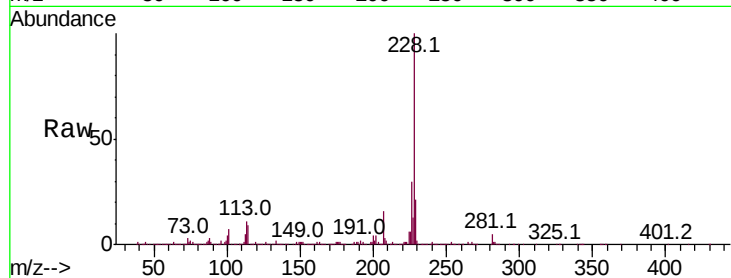
#85
Chrysene
Concen: 11.786 ng/ul
RT: 21.16 min Scan# 3106
Delta R.T. -0.00 min
Lab File: BM023893.D
Acq: 26 Nov 2019 15:11

Instrument :
BNA_M
ClientSampleId :
C0AC9DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.8	35.8
229	21.3	15.8	23.6

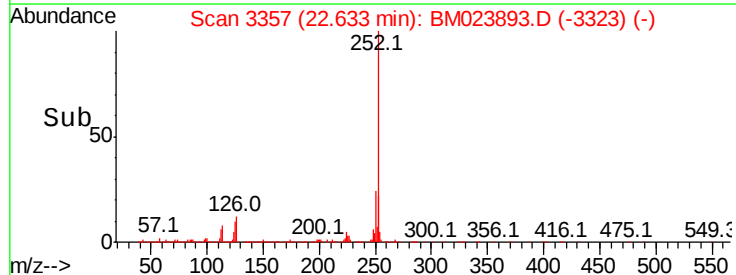
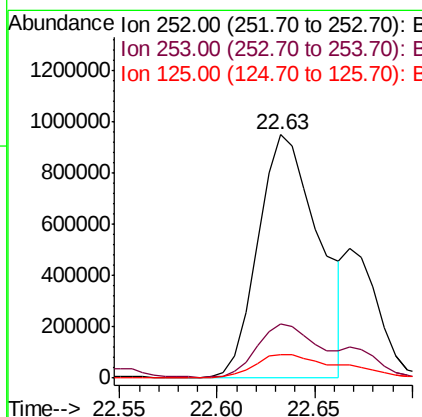
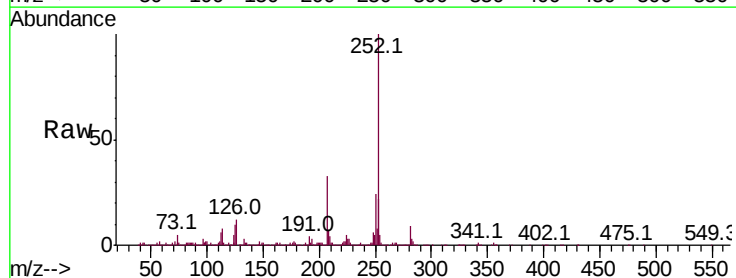
Manual Integrations
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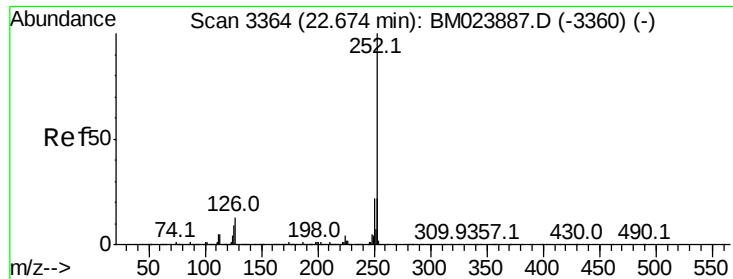
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#88
Benzo(b)fluoranthene
Concen: 14.524 ng/ul
RT: 22.63 min Scan# 3357
Delta R.T. -0.00 min
Lab File: BM023893.D
Acq: 26 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	9.9	6.5	9.7#





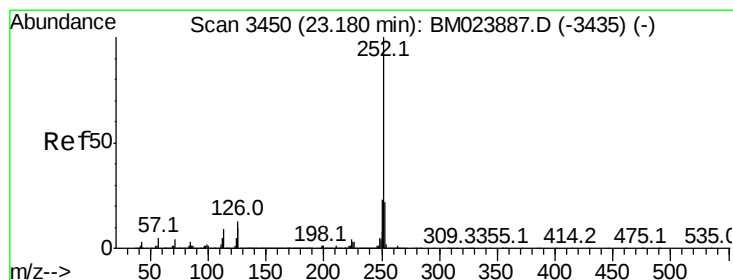
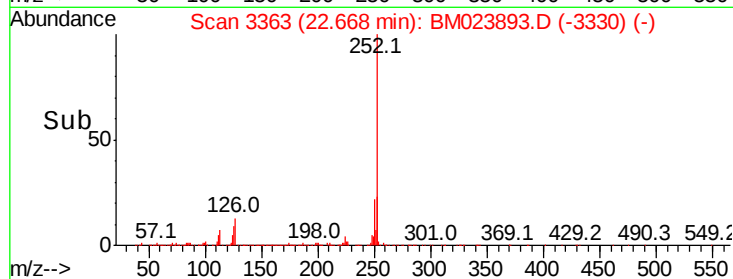
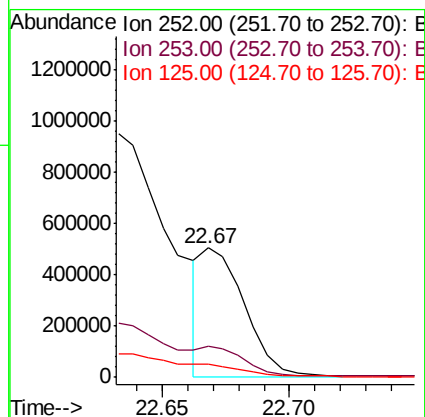
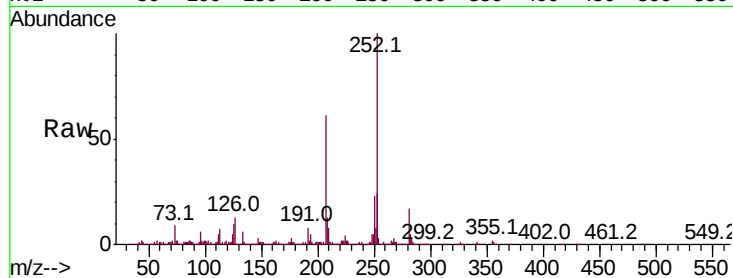
#89
Benzo(k)fluoranthene
Concen: 4.399 ng/ul m
RT: 22.67 min Scan# 3363
Delta R.T. -0.01 min
Lab File: BM023893.D
Acq: 26 Nov 2019 15:11

Instrument :
BNA_M
ClientSampleId :
C0AC9DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.2	25.8
125	9.9	5.9	8.9#

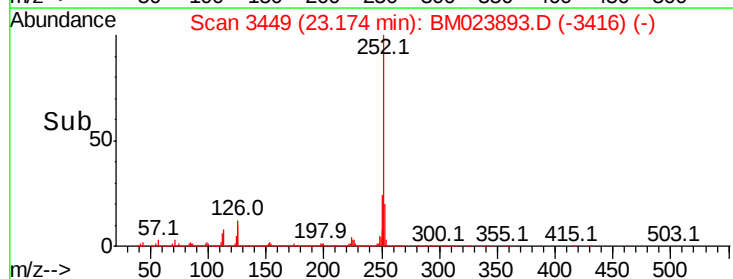
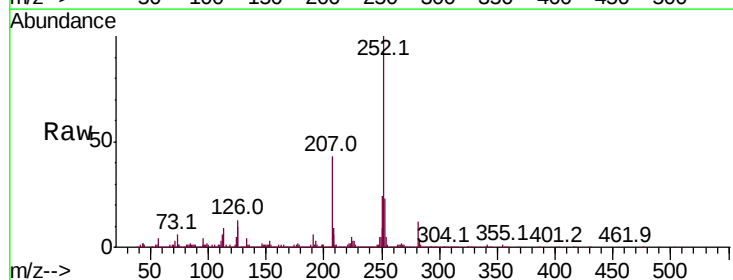
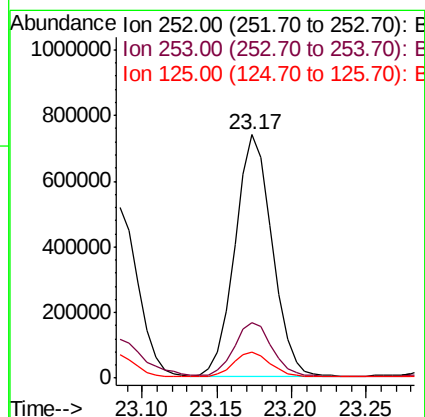
Manual Integrations
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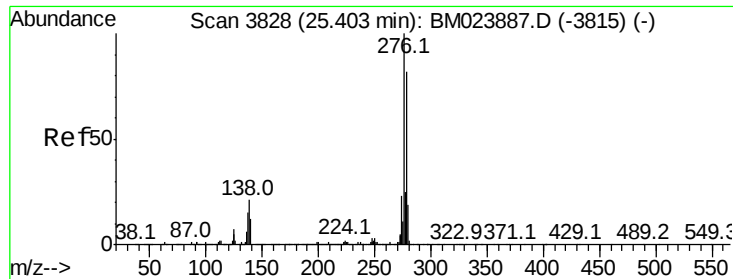
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#91
Benzo(a)pyrene
Concen: 9.941 ng/ul
RT: 23.17 min Scan# 3449
Delta R.T. -0.01 min
Lab File: BM023893.D
Acq: 26 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.3	25.9
125	10.5	6.9	10.3#





#92

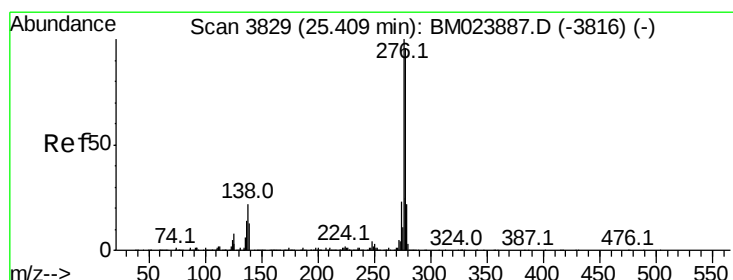
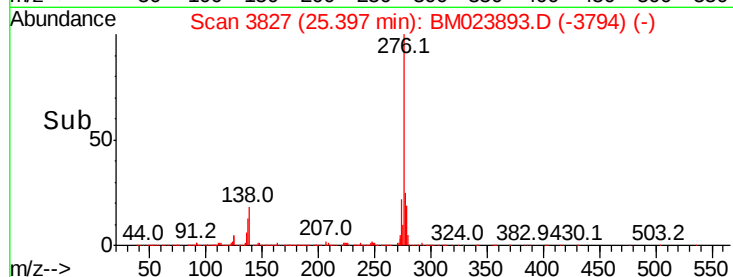
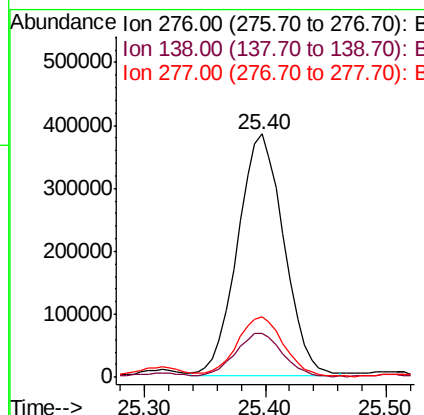
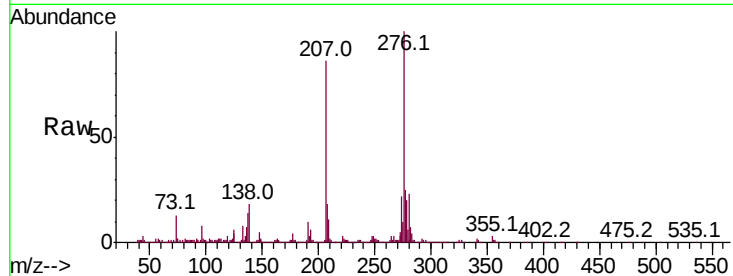
Indeno(1,2,3-cd)pyrene
Concen: 7.415 ng/ul
RT: 25.40 min Scan# 3827
Delta R.T. -0.01 min
Lab File: BM023893.D
Acq: 26 Nov 2019 15:11

Instrument :
BNA_M
ClientSampleId :
C0AC9DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.2	15.0	22.4
277	25.0	20.0	30.0

Manual Integrations
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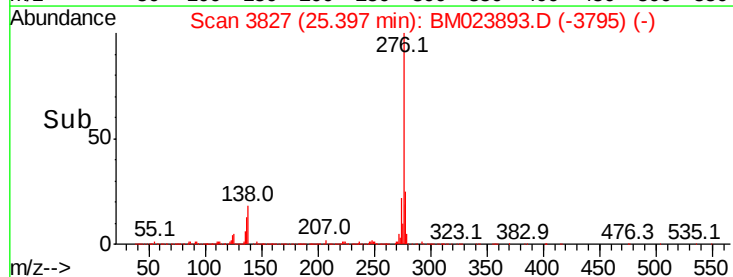
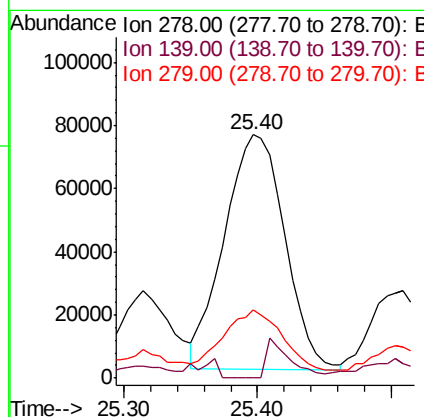
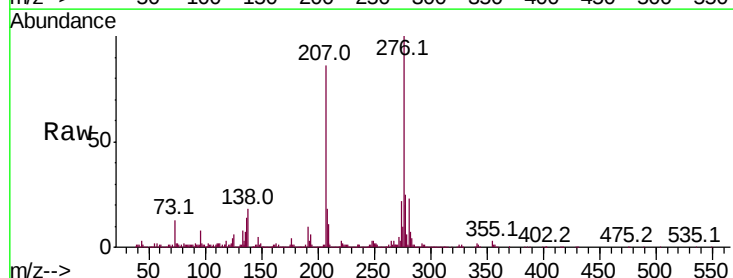
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11/27/2019 8:56:20 AM

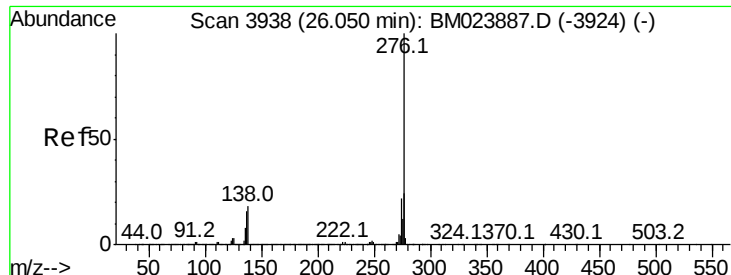


#93

Dibenzo(a,h)anthracene
Concen: 2.017 ng/ul
RT: 25.40 min Scan# 3827
Delta R.T. -0.01 min
Lab File: BM023893.D
Acq: 26 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	10.0	15.0#
279	27.9	19.0	28.6





#94

Benzo(a,h,i)perylene

Concen: 8.693 ng/ul

RT: 26.04 min Scan# 3937

Delta R.T. -0.01 min

Lab File: BM023893.D

Acq: 26 Nov 2019 15:11

Instrument :

BNA_M

ClientSampleId :

C0AC9DL

Tot Ion:	276	Resp:	970301
Ion Ratio	Lower	Upper	
276	100		
138	19.7	13.2	19.8
277	24.4	18.6	28.0

Manual Integrations
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11/27/2019 8:56:20 AM

