

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021120\
 Data File : BM024851.D
 Acq On : 12 Feb 2020 01:17
 Operator : CG/JU
 Sample : L1405-15
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB6W7

Manual Integrations
 APPROVED

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Quant Time: Feb 12 05:58:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 12 04:40:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	313185	20.00	ng/ul	0.00
18) Naphthalene-d8	10.16	136	1177140	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.05	164	731009	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.80	188	1503367	20.00	ng/ul	0.00
78) Chrysene-d12	21.01	240	1638289	20.00	ng/ul	0.00
86) Perylene-d12	23.11	264	1751443	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.01	96	22262	3.42	ng/uL	0.00
5) Phenol-d5	6.60	99	400432	19.25	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.75	67	231739	19.72	ng/ul	0.00
9) 2-Chlorophenol-d4	6.94	132	362386	19.44	ng/ul	0.00
13) 4-Methylphenol-d8	8.11	113	295478	16.83	ng/ul	0.00
19) Nitrobenzene-d5	8.54	128	166752	19.59	ng/ul	0.00
22) 2-Nitrophenol-d4	9.25	143	195770	19.46	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.79	165	355972	17.54	ng/ul	0.00
29) 4-Chloroaniline-d4	10.30	131	408482	21.52	ng/ul	0.00
44) Dimethylphthalate-d6	13.47	166	1063342	19.27	ng/ul	0.00
47) Acenaphthylene-d8	13.74	160	1256870	19.50	ng/ul	0.00
52) 4-Nitrophenol-d4	14.27	143	116785	13.02	ng/ul	0.00
58) Fluorene-d10	15.06	176	903624	18.49	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.19	200	130661	13.33	ng/ul	0.00
71) Anthracene-d10	16.90	188	1319728	19.23	ng/ul	0.00
79) Pyrene-d10	19.21	212	1573060	19.20	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.99	264	1790878	20.36	ng/ul	0.00

Target Compounds

					Ovalue	
70) Phenanthrene	16.85	178	311841	3.804	ng/ul	98
77) Fluoranthene	18.87	202	563672	5.602	ng/ul	97
80) Pyrene	19.24	202	526402	4.854	ng/ul	97
83) Benzo(a)anthracene	21.00	228	315351	2.858	ng/ul	99
85) Chrysene	21.05	228	322678	2.970	ng/ul	98
88) Benzo(b)fluoranthene	22.50	252	426713	3.831	ng/ul#	97
89) Benzo(k)fluoranthene	22.54	252	158147m	1.475	ng/ul	
91) Benzo(a)pyrene	23.03	252	258353	2.587	ng/ul#	95
92) Indeno(1,2,3-cd)pyrene	25.16	276	211066	1.698	ng/ul	99
94) Benzo(g,h,i)perylene	25.78	276	184676	1.786	ng/ul	98

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

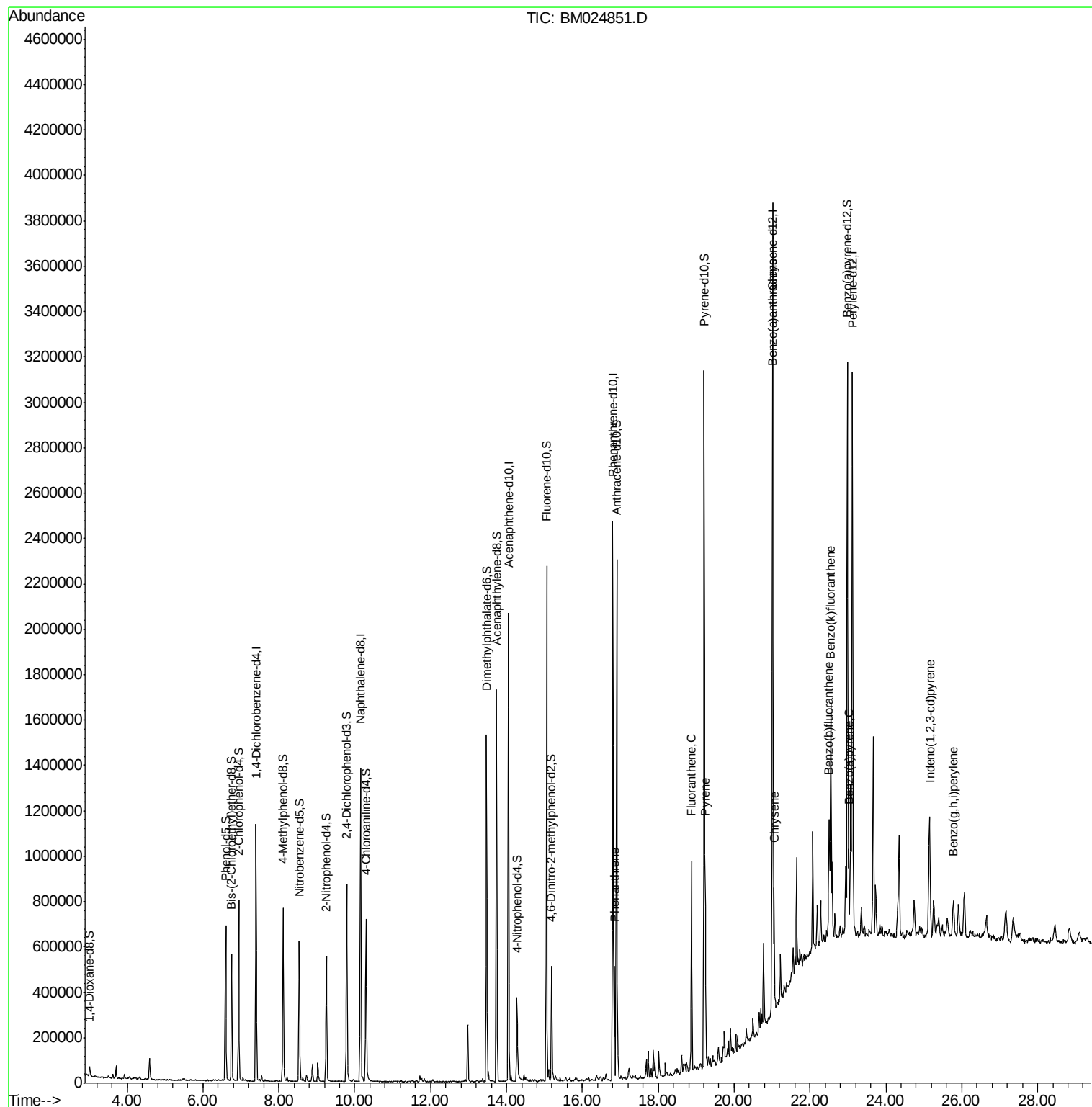
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021120\
Data File : BM024851.D
Acq On : 12 Feb 2020 01:17
Operator : CG/JU
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ALS Vial : 20 Sample Multiplier: 1

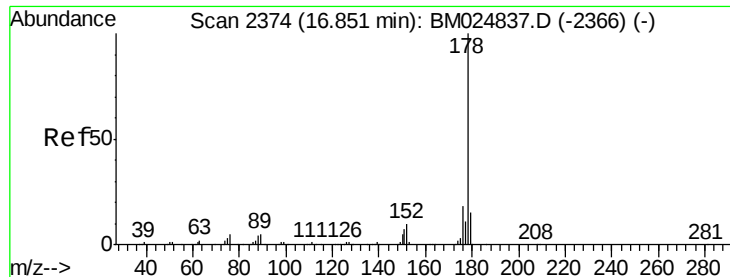
Instrument :
BNA_M
ClientSampleId :
CB6W7

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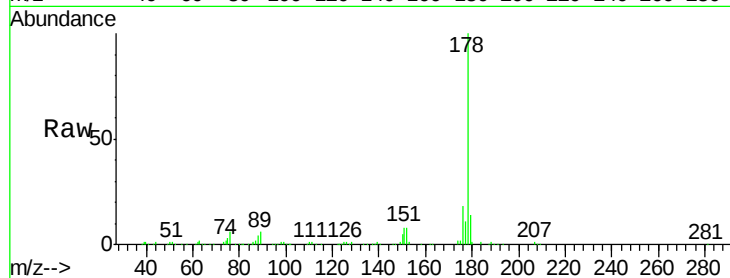
#70
Phenanthrene
Concen: 3.804 ng/ul
RT: 16.85 min Scan# 2374
Delta R.T. -0.00 min
Lab File: BM024851.D
Acq: 12 Feb 2020 01:17

Instrument :
BNA_M
ClientSampleId :
CB6W7

Tot Ion	Ratio	Lower	Upper
178	100		
179	13.9	12.2	18.2
176	18.3	14.5	21.7

Manual Integrations
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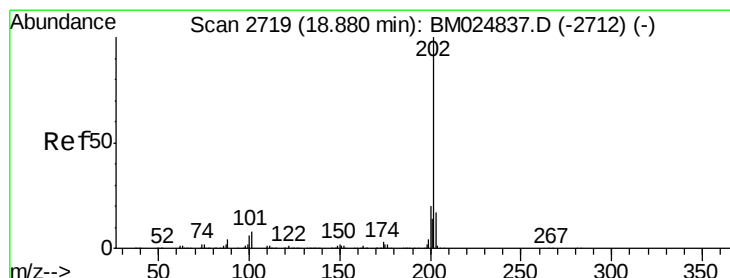
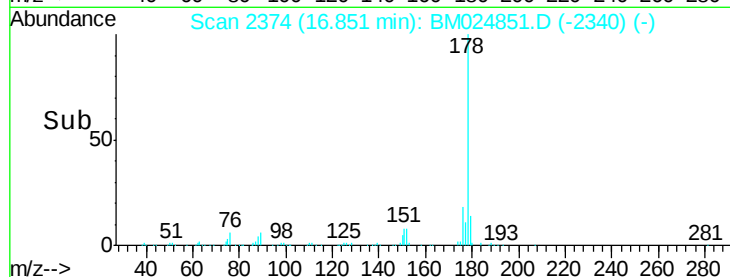
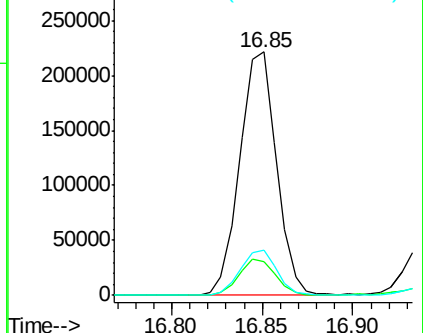


Abundance

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: 5.602 ng/ul
RT: 18.87 min Scan# 2718
Delta R.T. -0.01 min
Lab File: BM024851.D
Acq: 12 Feb 2020 01:17

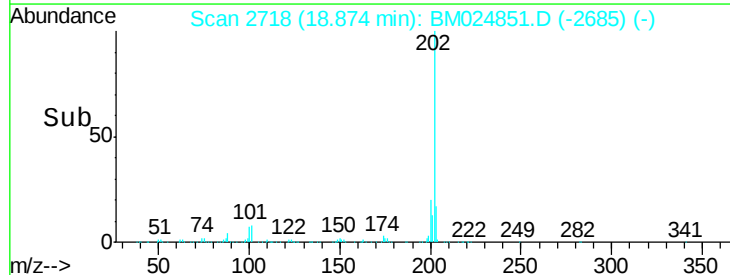
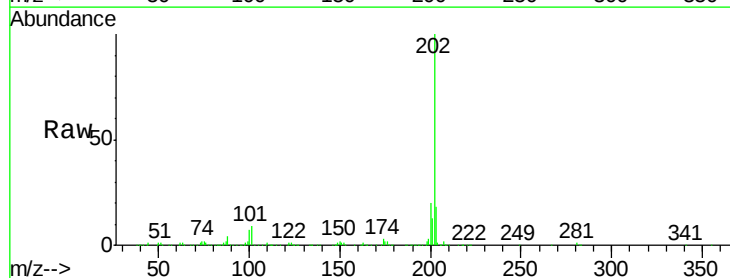
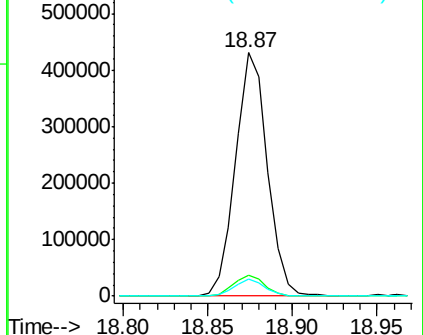
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.7	6.1	9.1
100	6.8	4.8	7.2

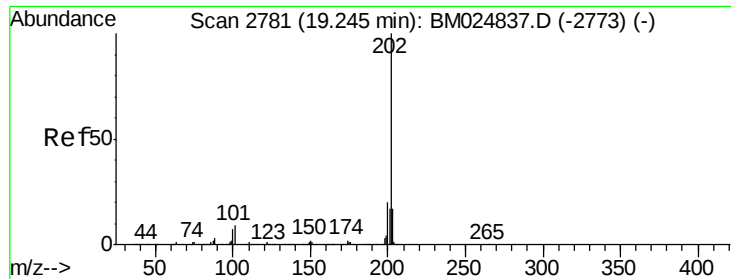
Abundance

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





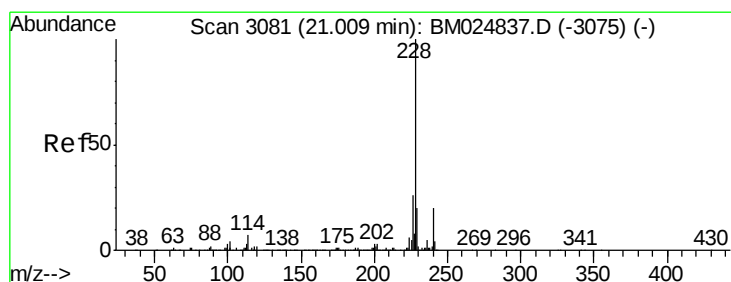
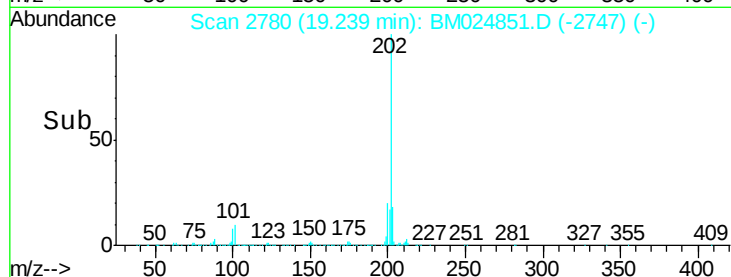
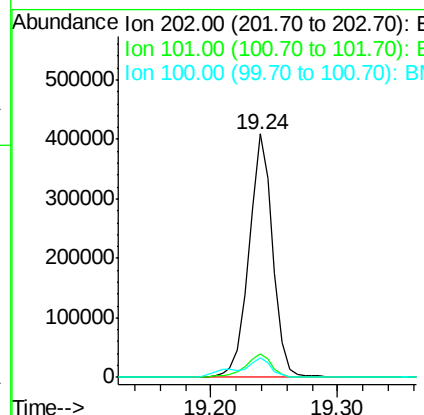
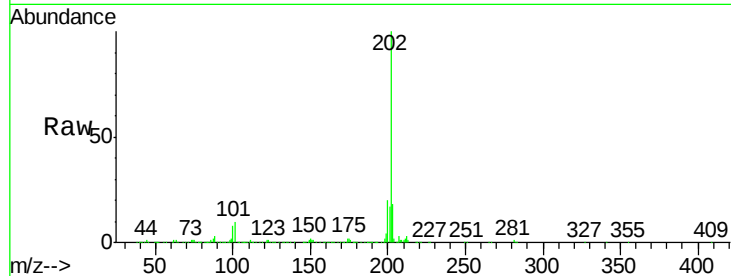
#80
Pvrene
Concen: 4.854 ng/ul
RT: 19.24 min Scan# 2780
Delta R.T. -0.01 min
Lab File: BM024851.D
Acq: 12 Feb 2020 01:17

Instrument :
BNA_M
ClientSampled :
CB6W7

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.7	7.0	10.4
100	8.2	5.8	8.8

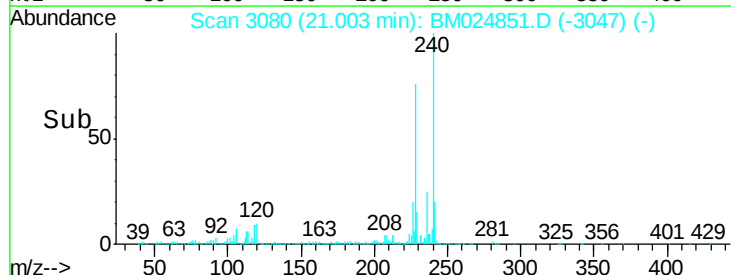
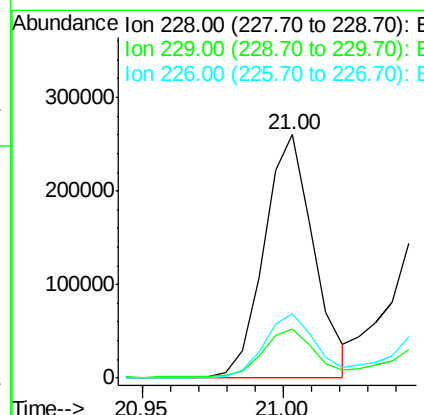
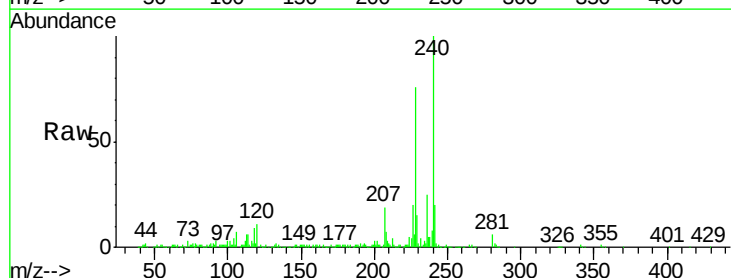
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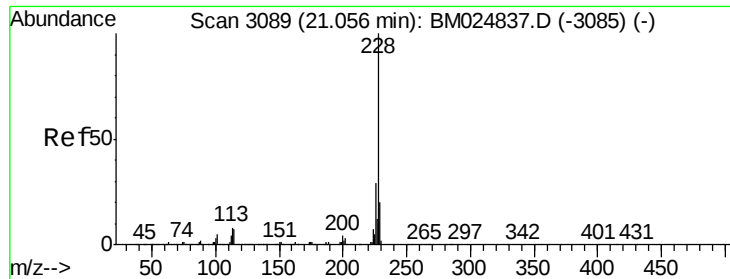
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#83
Benzo(a)anthracene
Concen: 2.858 ng/ul
RT: 21.00 min Scan# 3080
Delta R.T. -0.01 min
Lab File: BM024851.D
Acq: 12 Feb 2020 01:17

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	20.4	15.9	23.9
226	26.3	20.8	31.2





#85

Chrysene

Concen: 2.970 ng/ul

RT: 21.05 min Scan# 3088

Delta R.T. -0.01 min

Lab File: BM024851.D

Acq: 12 Feb 2020 01:17

Instrument :

BNA_M

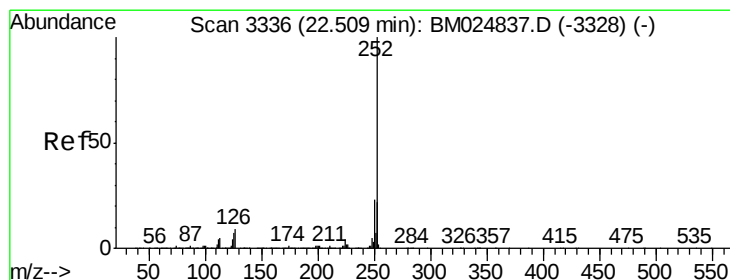
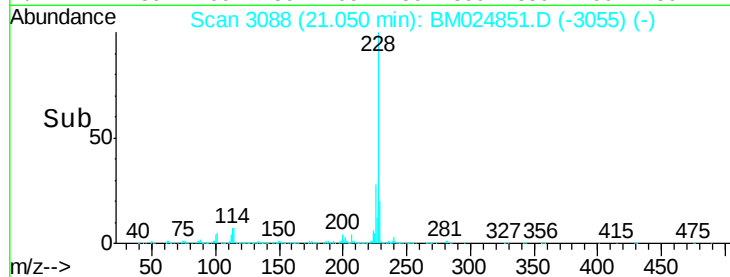
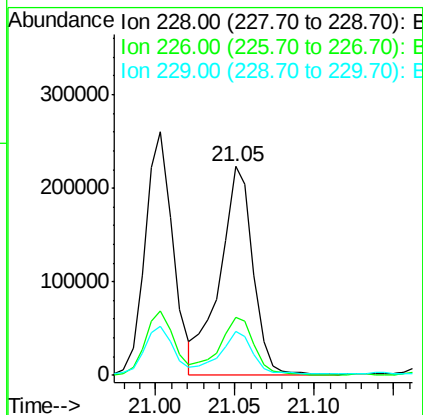
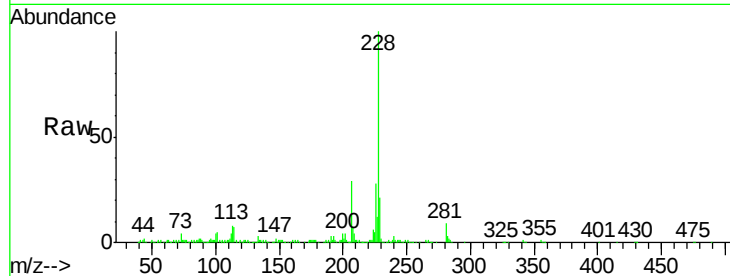
ClientSampleId :

CB6W7

Tot Ion:	228	Resp:	322678
Ion Ratio	Lower	Upper	
228	100		
226	27.8	23.0	34.4
229	20.8	15.8	23.8

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#88

Benzo(b)fluoranthene

Concen: 3.831 ng/ul

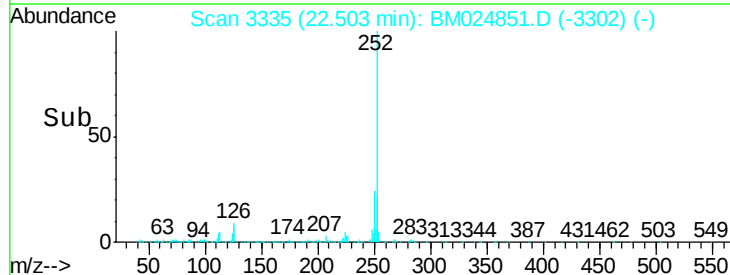
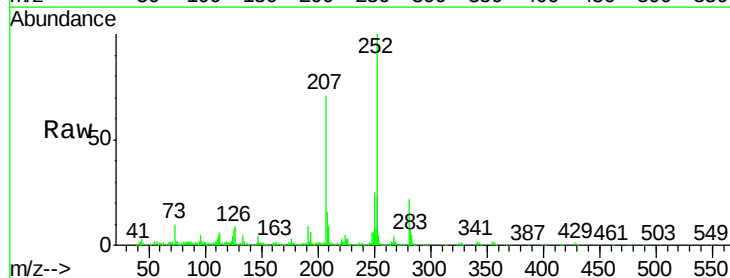
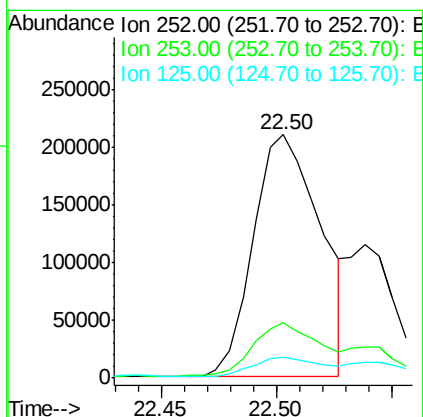
RT: 22.50 min Scan# 3335

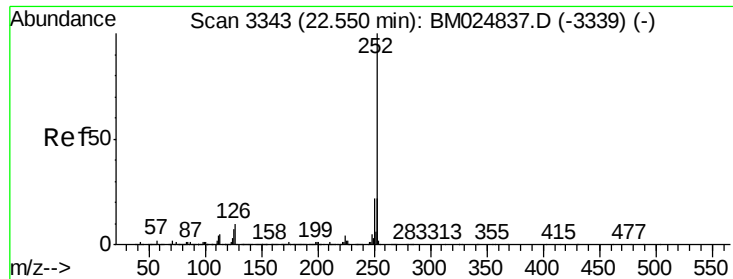
Delta R.T. -0.01 min

Lab File: BM024851.D

Acq: 12 Feb 2020 01:17

Tgt Ion:	252	Resp:	426713
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.3	25.9
125	8.3	5.1	7.7#





#89

Benzo(k)fluoranthene

Concen: 1.475 ng/ul m

RT: 22.54 min Scan# 3341

Delta R.T. -0.01 min

Lab File: BM024851.D

Acq: 12 Feb 2020 01:17

Instrument :

BNA_M

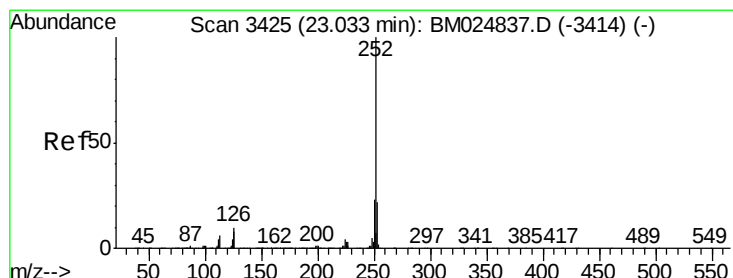
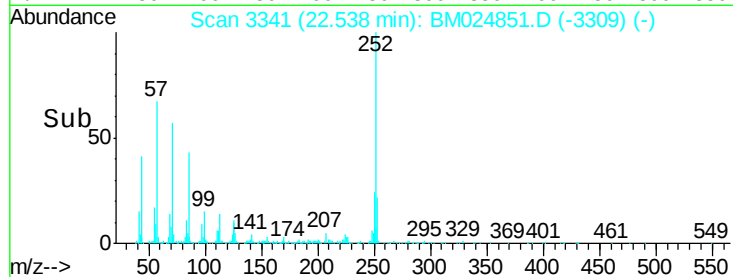
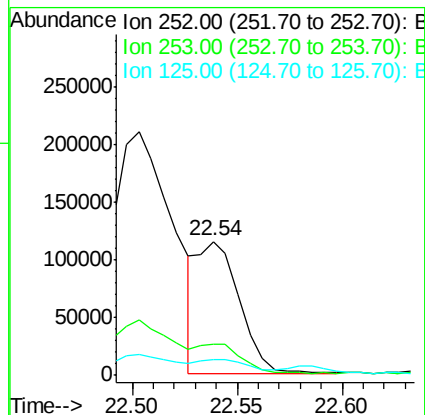
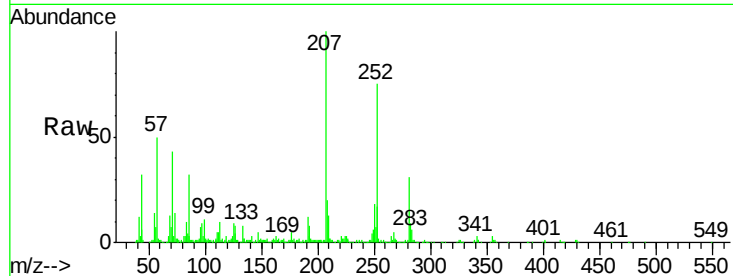
ClientSampleId :

CB6W7

Tot Ion:	252	Resp:	158147
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.4	26.0
125	11.4	5.1	7.7#

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#91

Benzo(a)pyrene

Concen: 2.587 ng/ul

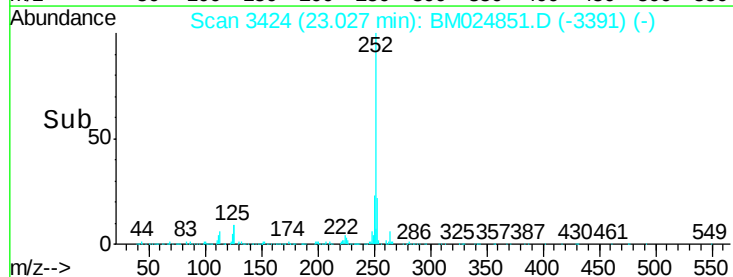
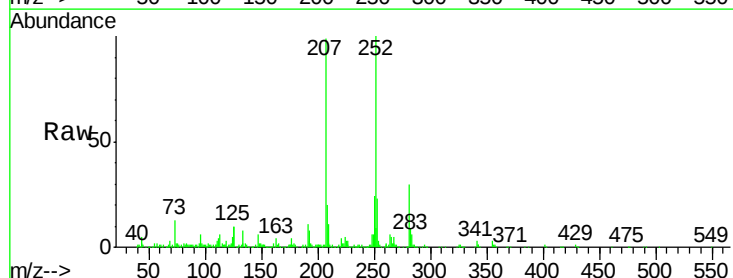
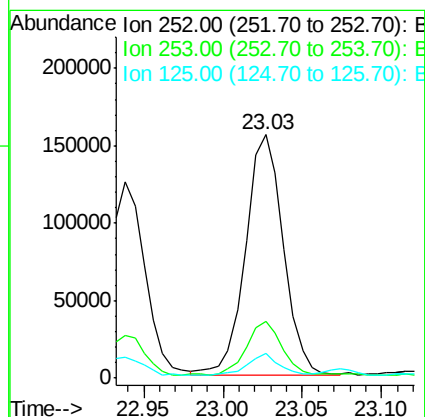
RT: 23.03 min Scan# 3424

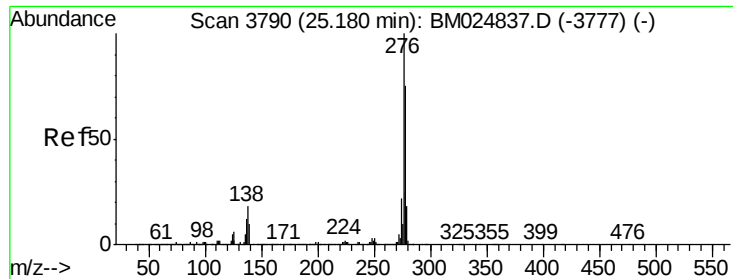
Delta R.T. -0.01 min

Lab File: BM024851.D

Acq: 12 Feb 2020 01:17

Tgt Ion:	252	Resp:	258353
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.5	26.3
125	9.9	5.6	8.4#





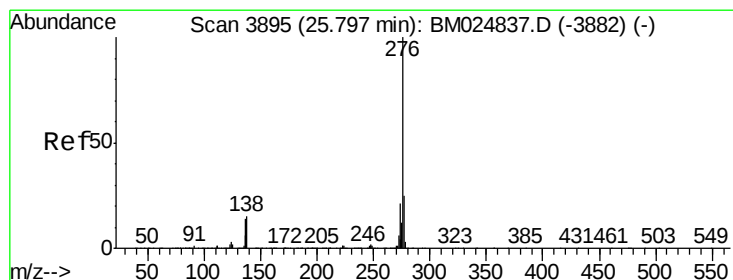
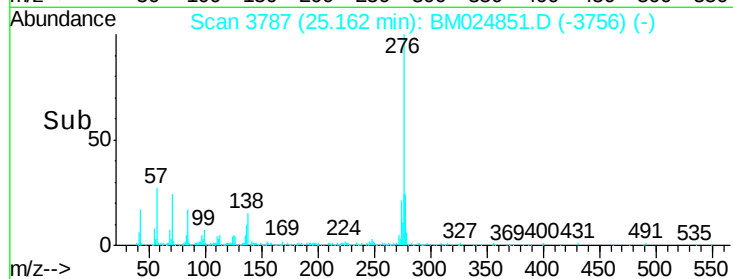
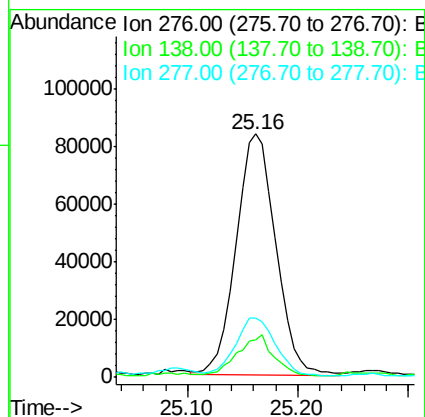
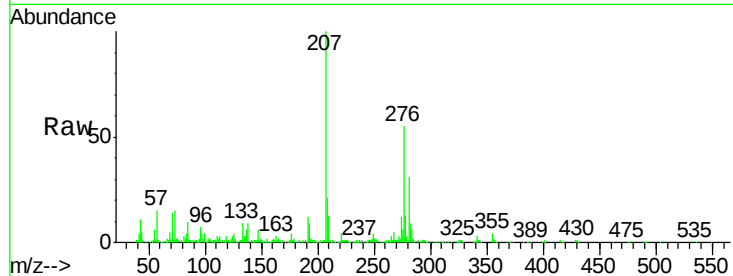
#92
Indeno(1,2,3-cd)pyrene
Concen: 1.698 ng/ul
RT: 25.16 min Scan# 3787
Delta R.T. -0.02 min
Lab File: BM024851.D
Acq: 12 Feb 2020 01:17

Instrument :
BNA_M
ClientSampleId :
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Tot Ion:	276	Resp:	211066
Ion Ratio	Lower	Upper	
276	100		
138	15.7	12.8	19.2
277	24.5	19.3	28.9

Manual Integrations
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#94
Benzo(g,h,i)perylene
Concen: 1.786 ng/ul
RT: 25.78 min Scan# 3892
Delta R.T. -0.02 min
Lab File: BM024851.D
Acq: 12 Feb 2020 01:17

Tgt Ion:	276	Resp:	184676
Ion Ratio	Lower	Upper	
276	100		
138	15.7	11.8	17.6
277	24.9	19.0	28.6

