

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021120\
 Data File : BM024845.D
 Acq On : 11 Feb 2020 21:40
 Operator : CG/JU
 Sample : L1405-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB6P7

Manual Integrations
 APPROVED

mohammad
 2/12/2020 3:52:42 PM

Quant Time: Feb 12 05:38:13 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	319863	20.00	ng/ul	0.00
18) Naphthalene-d8	10.16	136	1241362	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.05	164	797167	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.80	188	1657731	20.00	ng/ul	0.00
78) Chrysene-d12	21.02	240	1612837	20.00	ng/ul	0.00
86) Perylene-d12	23.12	264	1680141	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.02	96	25715	3.87	ng/uL	0.00
5) Phenol-d5	6.60	99	446461	21.01	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.75	67	269166	22.43	ng/ul	0.00
9) 2-Chlorophenol-d4	6.94	132	408584	21.46	ng/ul	0.00
13) 4-Methylphenol-d8	8.12	113	368210	20.54	ng/ul	0.00
19) Nitrobenzene-d5	8.54	128	196618	21.90	ng/ul	0.00
22) 2-Nitrophenol-d4	9.25	143	235091	22.16	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.79	165	429738	20.08	ng/ul	0.00
29) 4-Chloroaniline-d4	10.30	131	519915	25.98	ng/ul	0.00
44) Dimethylphthalate-d6	13.48	166	1313399	21.83	ng/ul	0.00
47) Acenaphthylene-d8	13.74	160	1534356	21.83	ng/ul	0.00
52) 4-Nitrophenol-d4	14.28	143	175217	17.92	ng/ul	0.00
58) Fluorene-d10	15.06	176	1130152	21.21	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.19	200	185330	17.15	ng/ul	0.00
71) Anthracene-d10	16.90	188	1720986	22.74	ng/ul	0.00
79) Pyrene-d10	19.22	212	1975411	24.49	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.99	264	2065583	24.48	ng/ul	0.00

Target Compounds				Ovalue		
70) Phenanthrene	16.85	178	881427	9.752	ng/ul	99
72) Anthracene	16.94	178	182585	1.992	ng/ul	98
77) Fluoranthene	18.87	202	1393193	12.556	ng/ul	98
80) Pyrene	19.24	202	1187074	11.119	ng/ul	96
83) Benzo(a)anthracene	21.00	228	664662	6.118	ng/ul	99
85) Chrysene	21.06	228	647851	6.057	ng/ul	99
88) Benzo(b)fluoranthene	22.50	252	881194	8.248	ng/ul#	99
89) Benzo(k)fluoranthene	22.54	252	252292m	2.453	ng/ul	
91) Benzo(a)pyrene	23.03	252	530463	5.538	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.16	276	387399	3.249	ng/ul	99
93) Dibenzo(a,h)anthracene	25.17	278	110536	1.088	ng/ul#	94
94) Benzo(g,h,i)perylene	25.79	276	317312	3.199	ng/ul	97

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

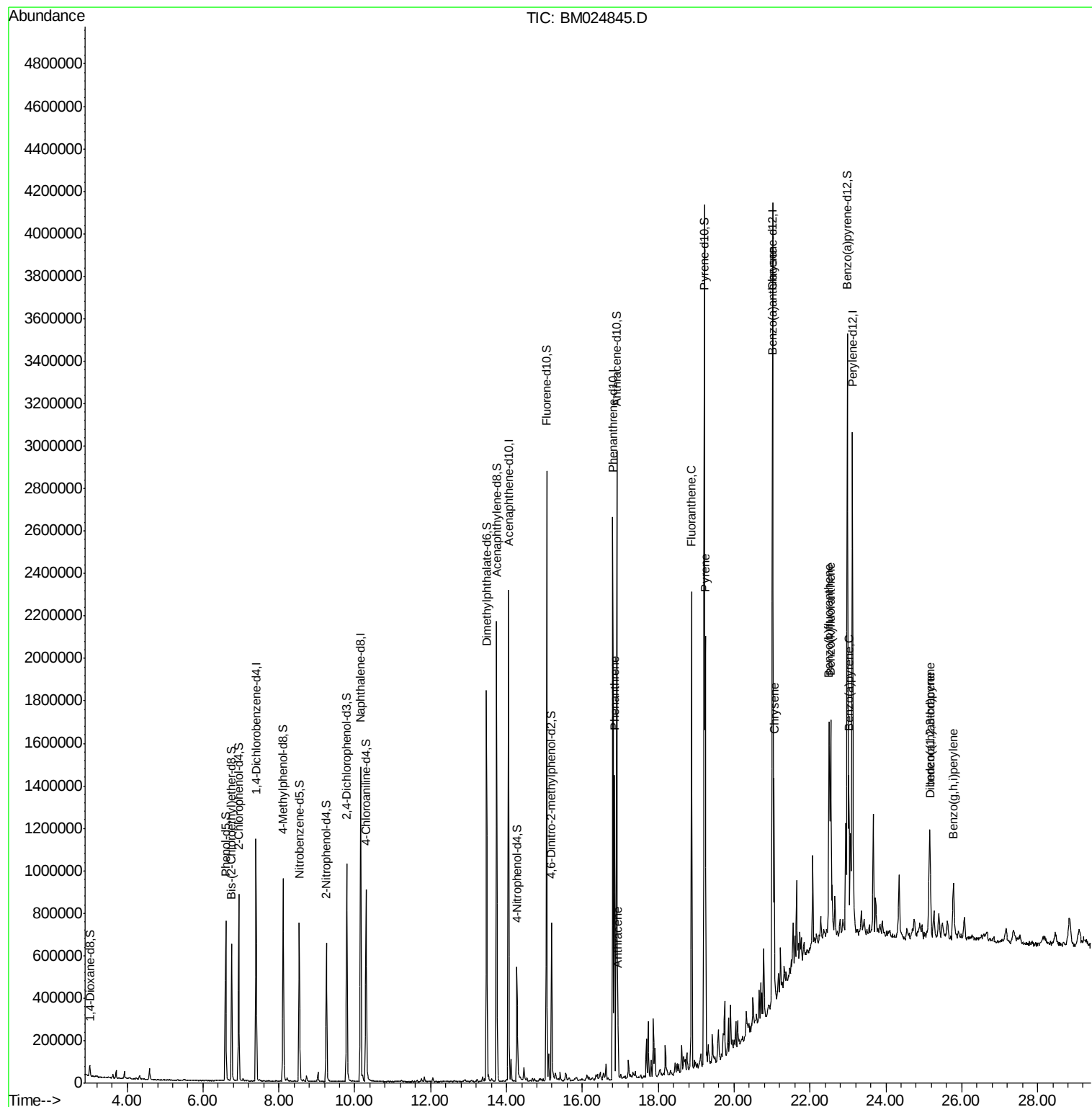
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021120\
Data File : BM024845.D
Acq On : 11 Feb 2020 21:40
Operator : CG/JU
Sample : L1405-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

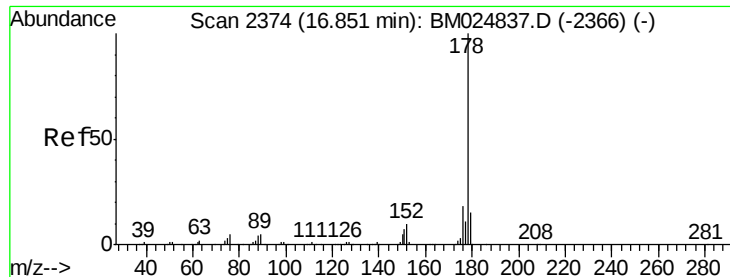
Instrument :
BNA_M
ClientSampleID :
CB6P7

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Quant Time: Feb 12 05:38:13 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





#70

Phenanthrene

Concen: 9.752 ng/ul

RT: 16.85 min Scan# 2374

Delta R.T. -0.00 min

Lab File: BM024845.D

Acq: 11 Feb 2020 21:40

Instrument :

BNA_M

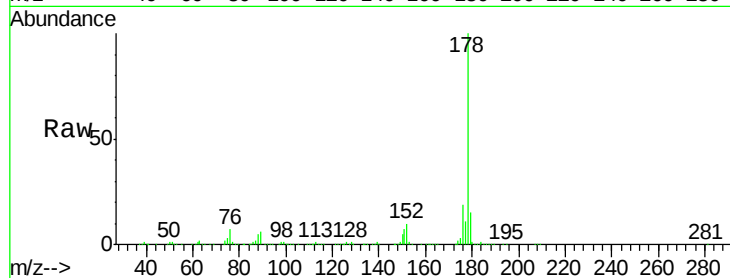
ClientSampleId :

CB6P7

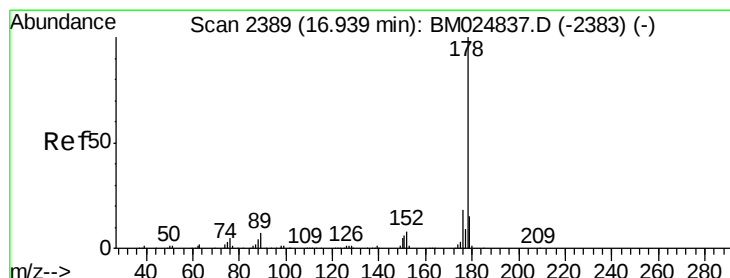
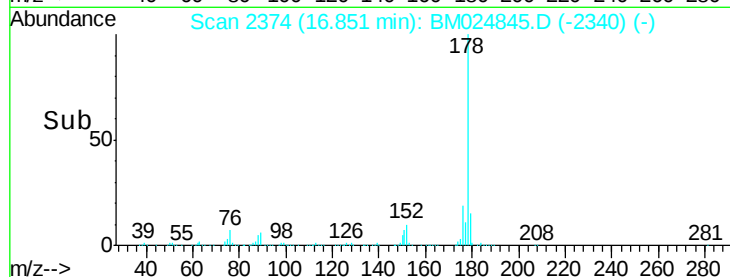
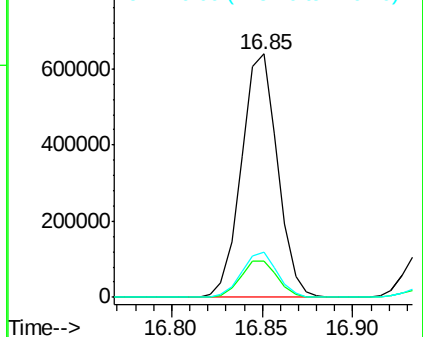
Tot Ion:	178	Resp:	881427
Ion Ratio	Lower	Upper	
178	100		
179	14.9	12.2	18.2
176	18.6	14.5	21.7

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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



#72

Anthracene

Concen: 1.992 ng/ul

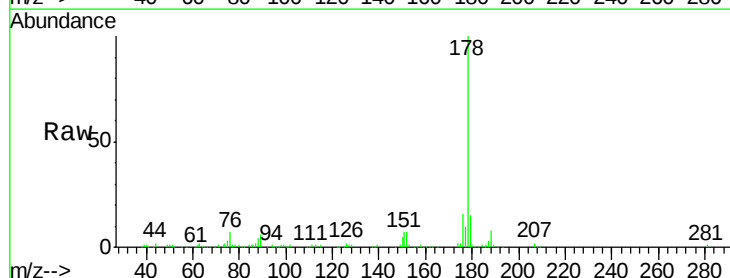
RT: 16.94 min Scan# 2389

Delta R.T. -0.00 min

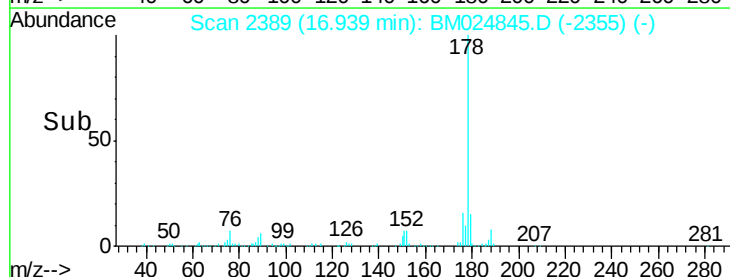
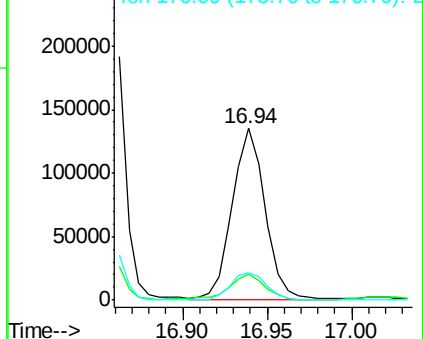
Lab File: BM024845.D

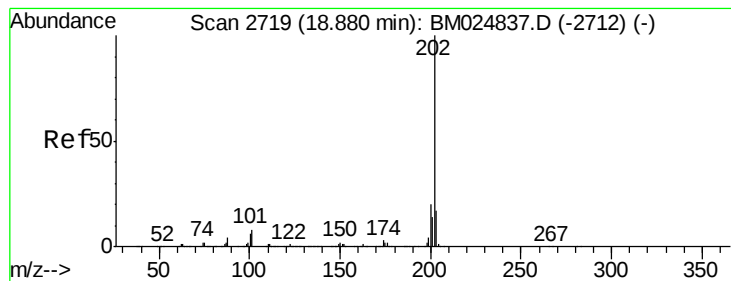
Acq: 11 Feb 2020 21:40

Tgt Ion:	178	Resp:	182585
Ion Ratio	Lower	Upper	
178	100		
179	15.1	12.3	18.5
176	16.2	14.1	21.1



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





#77

Fluoranthene

Concen: 12.556 ng/ul

RT: 18.87 min Scan# 2718

Delta R.T. -0.01 min

Lab File: BM024845.D

Acq: 11 Feb 2020 21:40

Instrument :

BNA_M

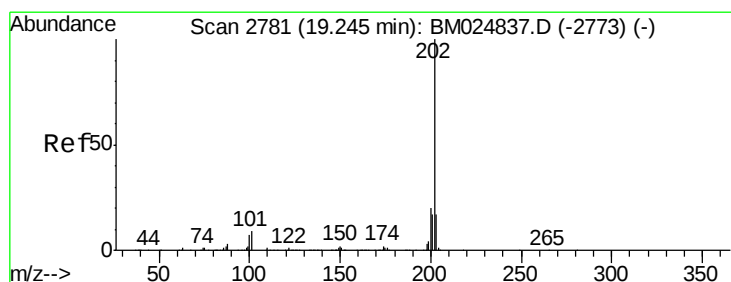
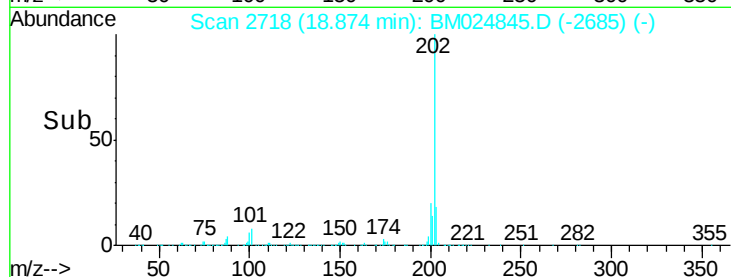
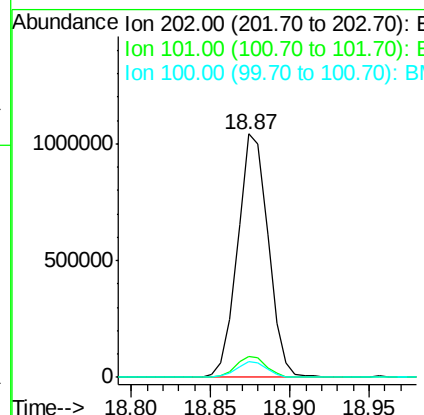
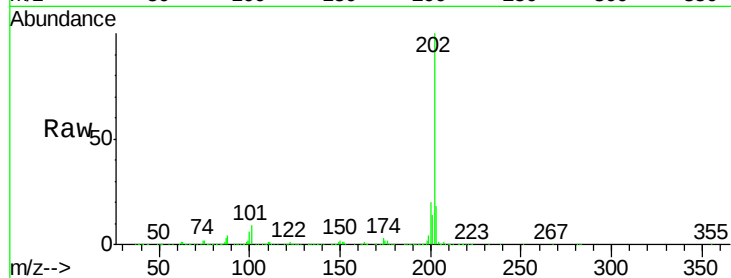
ClientSampleId :

CB6P7

Tot Ion:	202	Resp:	1393193
Ion Ratio	Lower	Upper	
202	100		
101	8.6	6.1	9.1
100	6.3	4.8	7.2

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#80

Pyrene

Concen: 11.119 ng/ul

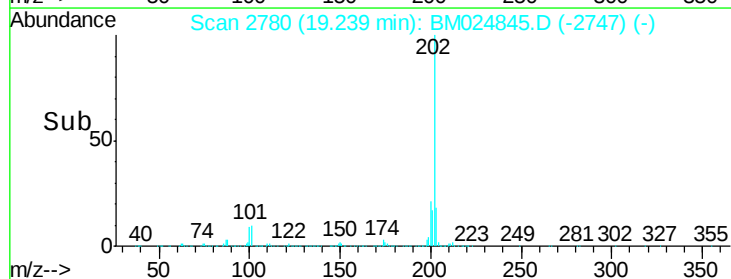
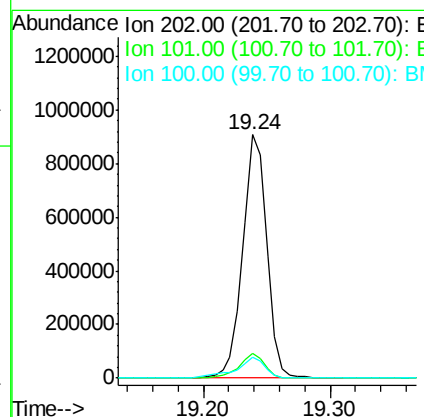
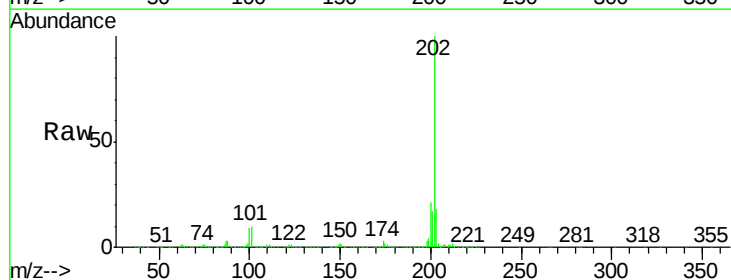
RT: 19.24 min Scan# 2780

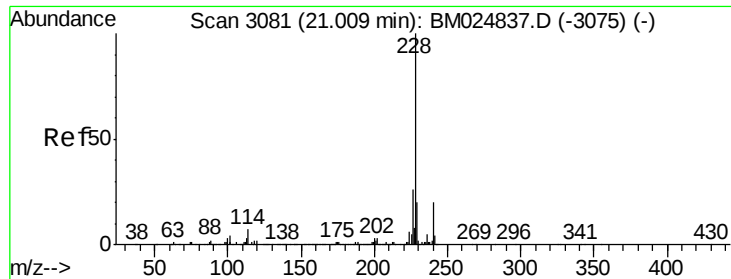
Delta R.T. -0.01 min

Lab File: BM024845.D

Acq: 11 Feb 2020 21:40

Tgt Ion:	202	Resp:	1187074
Ion Ratio	Lower	Upper	
202	100		
101	10.3	7.0	10.4
100	8.6	5.8	8.8





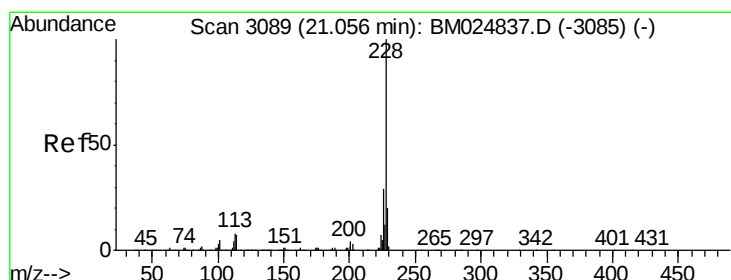
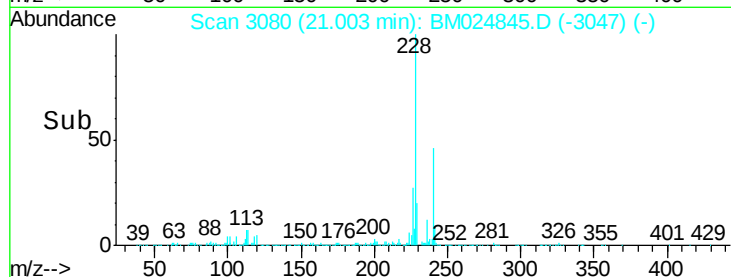
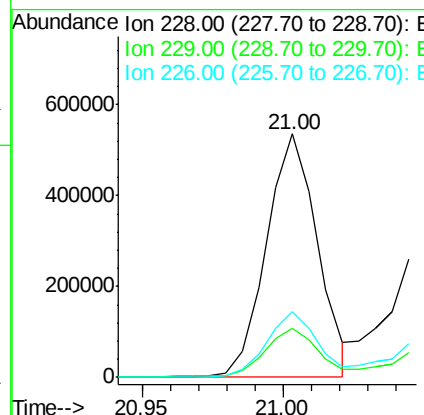
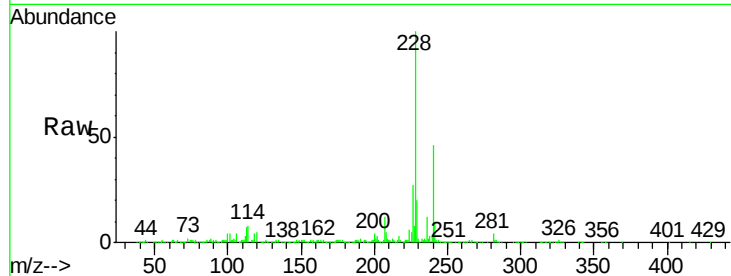
#83
Benzo(a)anthracene
Concen: 6.118 ng/ul
RT: 21.00 min Scan# 3080
Delta R.T. -0.01 min
Lab File: BM024845.D
Acq: 11 Feb 2020 21:40

Instrument :
BNA_M
ClientSampleId :
CB6P7

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.9	23.9
226	27.0	20.8	31.2

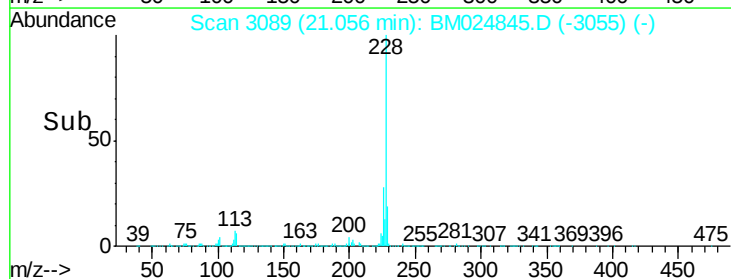
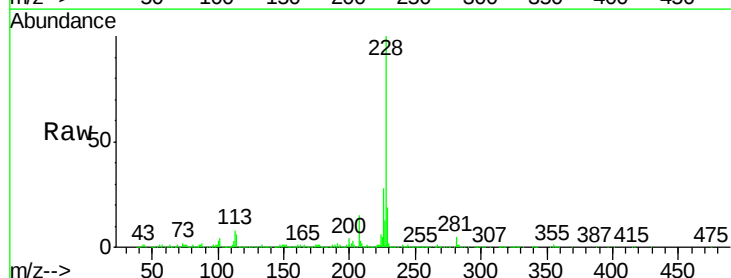
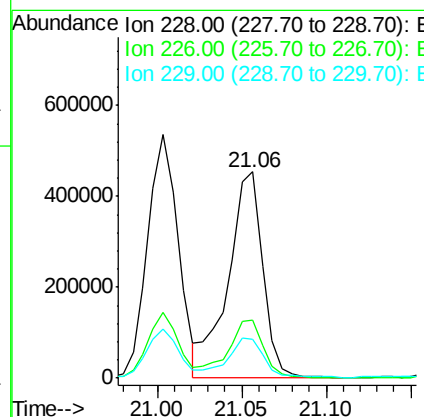
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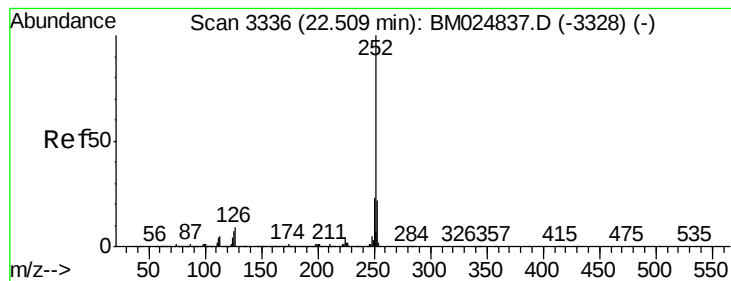
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#85
Chrysene
Concen: 6.057 ng/ul
RT: 21.06 min Scan# 3089
Delta R.T. -0.00 min
Lab File: BM024845.D
Acq: 11 Feb 2020 21:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	23.0	34.4
229	18.9	15.8	23.8





#88

Benzo(b)fluoranthene

Concen: 8.248 ng/ul

RT: 22.50 min Scan# 3335

Delta R.T. -0.01 min

Lab File: BM024845.D

Acq: 11 Feb 2020 21:40

Instrument :

BNA_M

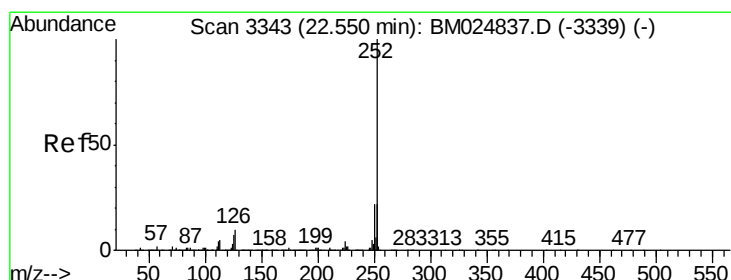
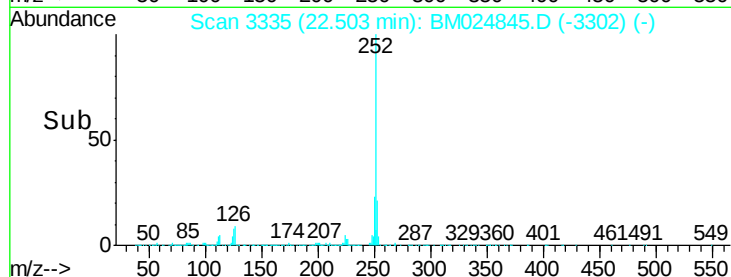
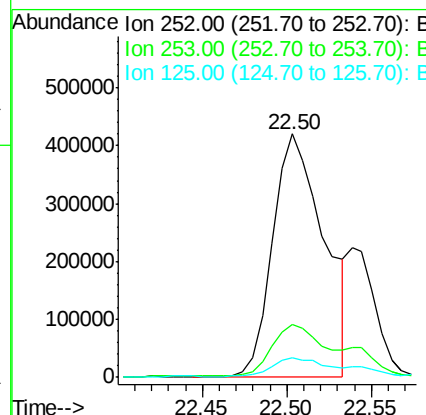
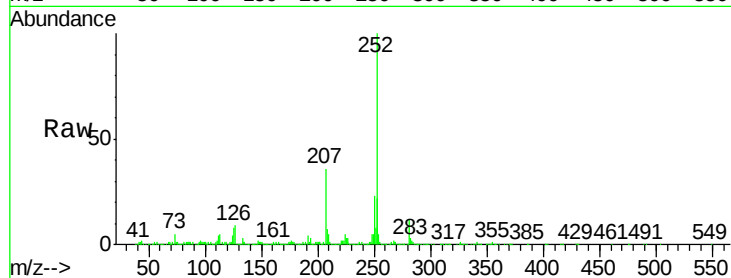
ClientSampleId :

CB6P7

Tot Ion:	252	Resp:	881194
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.3	25.9
125	7.9	5.1	7.7#

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#89

Benzo(k)fluoranthene

Concen: 2.453 ng/ul m

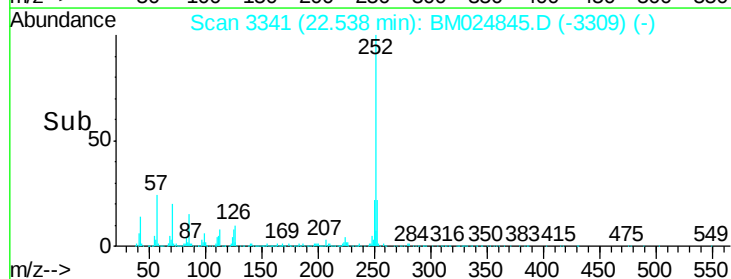
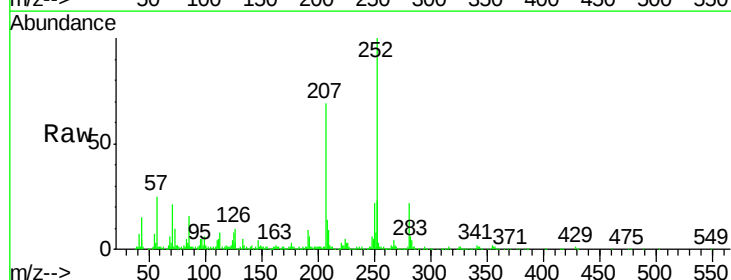
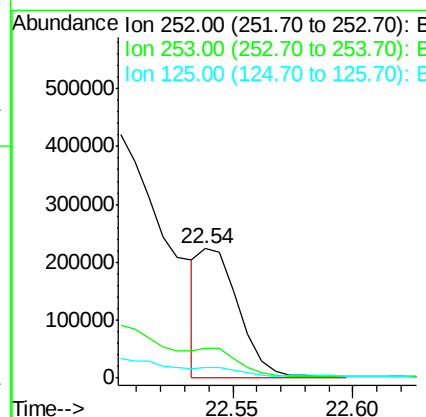
RT: 22.54 min Scan# 3341

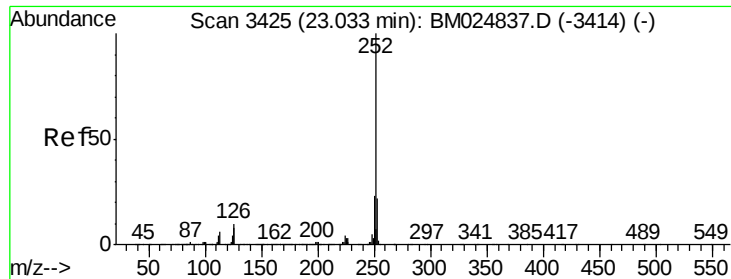
Delta R.T. -0.01 min

Lab File: BM024845.D

Acq: 11 Feb 2020 21:40

Tgt Ion:	252	Resp:	252292
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.4	26.0
125	8.5	5.1	7.7#





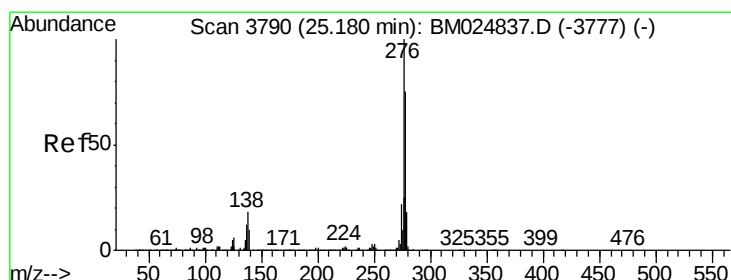
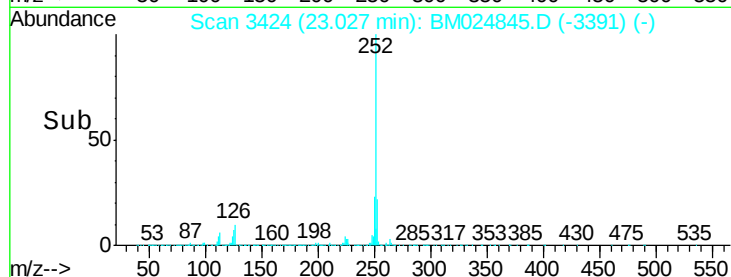
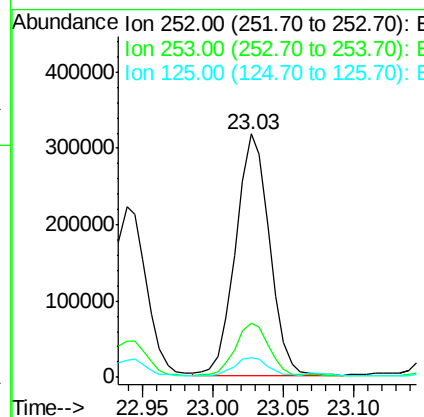
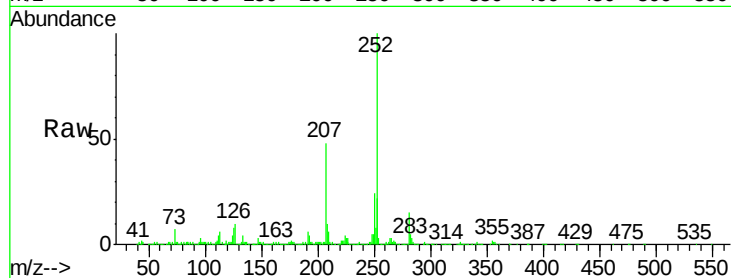
#91
Benzo(a)pyrene
Concen: 5.538 ng/ul
RT: 23.03 min Scan# 3424
Delta R.T. -0.01 min
Lab File: BM024845.D
Acq: 11 Feb 2020 21:40

Instrument :
BNA_M
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	7.9	5.6	8.4

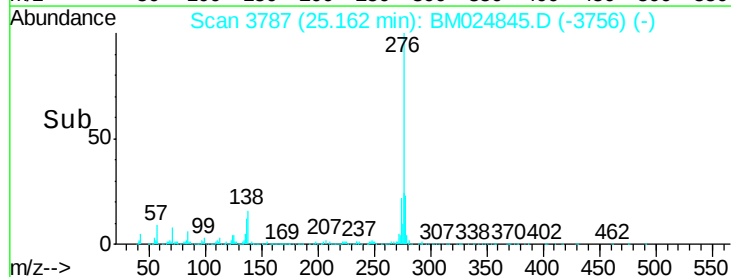
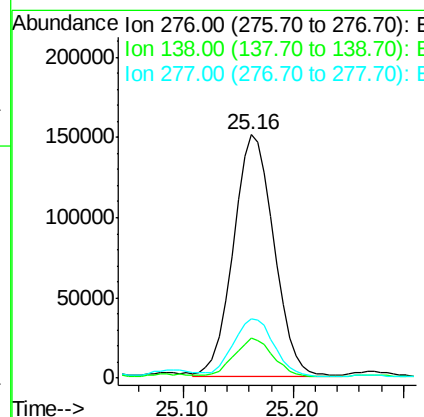
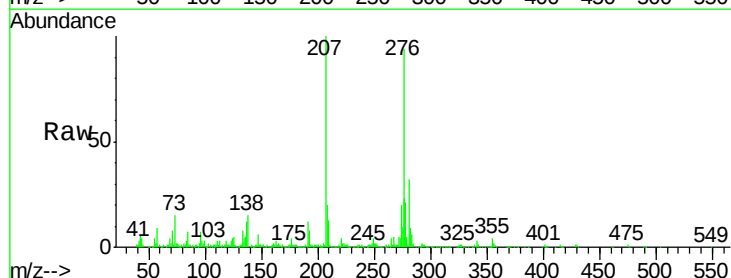
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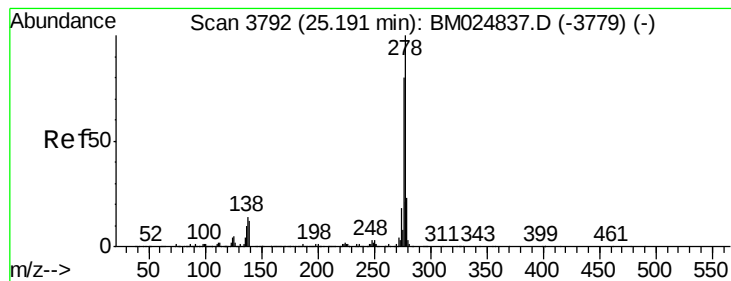
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#92
Indeno(1,2,3-cd)pyrene
Concen: 3.249 ng/ul
RT: 25.16 min Scan# 3787
Delta R.T. -0.02 min
Lab File: BM024845.D
Acq: 11 Feb 2020 21:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.3	12.8	19.2
277	24.4	19.3	28.9





#93

Dibenzo(a,h)anthracene

Concen: 1.088 ng/ul

RT: 25.17 min Scan# 3789

Delta R.T. -0.02 min

Lab File: BM024845.D

Acq: 11 Feb 2020 21:40

Instrument :

BNA_M

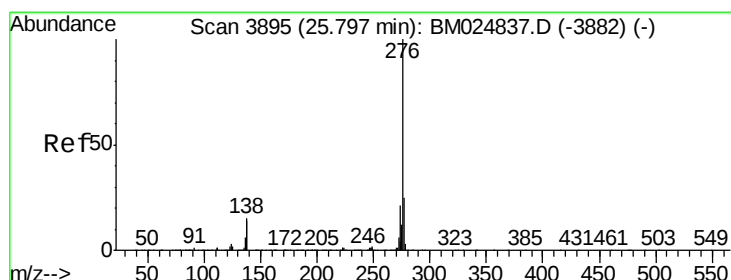
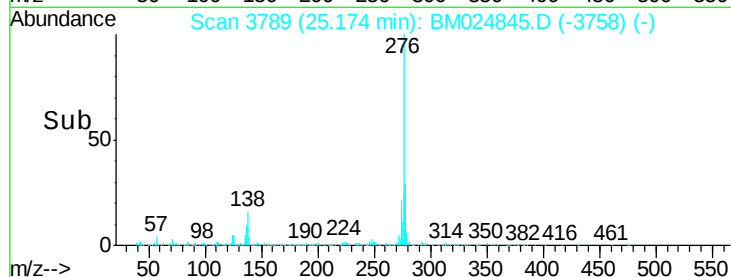
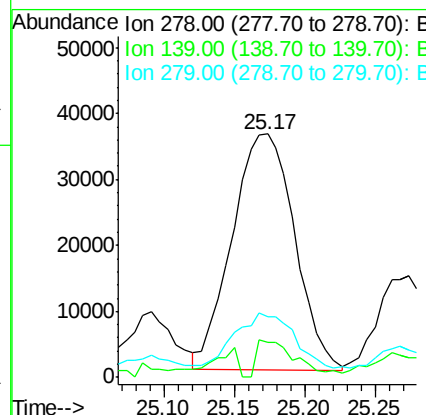
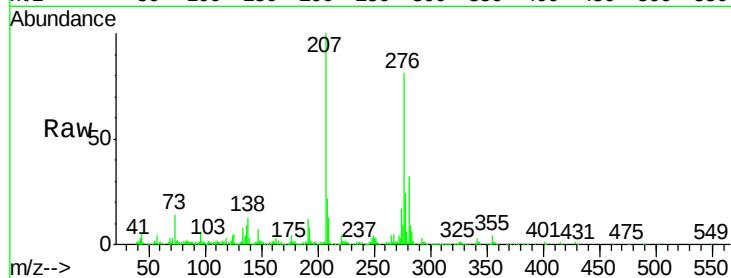
ClientSampleId :

CB6P7

Tot Ion:	278	Resp:	110536
Ion Ratio	Lower	Upper	
278	100		
139	14.2	8.4	12.6#
279	25.0	18.5	27.7

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#94

Benzo(g,h,i)perylene

Concen: 3.199 ng/ul

RT: 25.79 min Scan# 3893

Delta R.T. -0.01 min

Lab File: BM024845.D

Acq: 11 Feb 2020 21:40

Tgt Ion:	276	Resp:	317312
Ion Ratio	Lower	Upper	
276	100		
138	16.0	11.8	17.6
277	25.6	19.0	28.6

