

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020620\
 Data File : BM024798.D
 Acq On : 08 Feb 2020 14:27
 Operator : CG/JU
 Sample : L1400-17
 Misc :
 ALS Vial : 77 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB6J3

Manual Integrations
 APPROVED

mohammad
 2/11/2020 8:22:50 AM

Quant Time: Feb 10 01:27:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Feb 07 07:38:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	331516	20.00	ng/ul	0.00
18) Naphthalene-d8	10.16	136	1266168	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.06	164	821477	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.81	188	1762512	20.00	ng/ul	0.00
78) Chrysene-d12	21.02	240	1641742	20.00	ng/ul	-0.01
86) Perylene-d12	23.13	264	1739616	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	23025	3.34	ng/uL	0.00
5) Phenol-d5	6.60	99	431412	19.59	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	6.75	67	271741	21.85	ng/ul	-0.01
9) 2-Chlorophenol-d4	6.95	132	394363	19.99	ng/ul	0.00
13) 4-Methylphenol-d8	8.12	113	355927	19.15	ng/ul	-0.01
19) Nitrobenzene-d5	8.54	128	195972	21.40	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.26	143	233009	21.54	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.79	165	428902	19.65	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.30	131	496449	24.32	ng/ul	0.00
44) Dimethylphthalate-d6	13.48	166	1512495	24.39	ng/ul	0.00
47) Acenaphthylene-d8	13.74	160	1544117	21.32	ng/ul	-0.01
52) 4-Nitrophenol-d4	14.28	143	194174	19.27	ng/ul	0.00
58) Fluorene-d10	15.06	176	1205168	21.95	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	15.19	200	211546	18.41	ng/ul	0.00
71) Anthracene-d10	16.91	188	1738709	21.61	ng/ul	0.00
79) Pyrene-d10	19.22	212	1826633	22.24	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.99	264	1805941	20.67	ng/ul	-0.01

Target Compounds

					Ovalue	
28) Naphthalene	10.21	128	122747	1.897	ng/ul	96
50) Acenaphthene	14.12	153	94273	1.861	ng/ul	97
54) Dibenzofuran	14.46	168	94307	1.249	ng/ul	97
59) Fluorene	15.12	166	114849	1.845	ng/ul	94
70) Phenanthrene	16.85	178	1605204	16.703	ng/ul	99
72) Anthracene	16.94	178	387399	3.975	ng/ul	99
75) Carbazole	17.22	167	136724	1.684	ng/ul	97
77) Fluoranthene	18.88	202	2429663	20.595	ng/ul	99
80) Pyrene	19.24	202	1912393	17.598	ng/ul	99
83) Benzo(a)anthracene	21.01	228	1067813	9.656	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	20.98	149	95932	1.491	ng/ul	98
85) Chrysene	21.06	228	960136	8.819	ng/ul	99
88) Benzo(b)fluoranthene	22.51	252	1326683	11.993	ng/ul#	99
89) Benzo(k)fluoranthene	22.54	252	367837m	3.455	ng/ul	
91) Benzo(a)pyrene	23.03	252	818069	8.249	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.17	276	574726	4.655	ng/ul	99
93) Dibenzo(a,h)anthracene	25.18	278	161232	1.533	ng/ul#	95
94) Benzo(g,h,i)perylene	25.80	276	458740	4.467	ng/ul	100

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

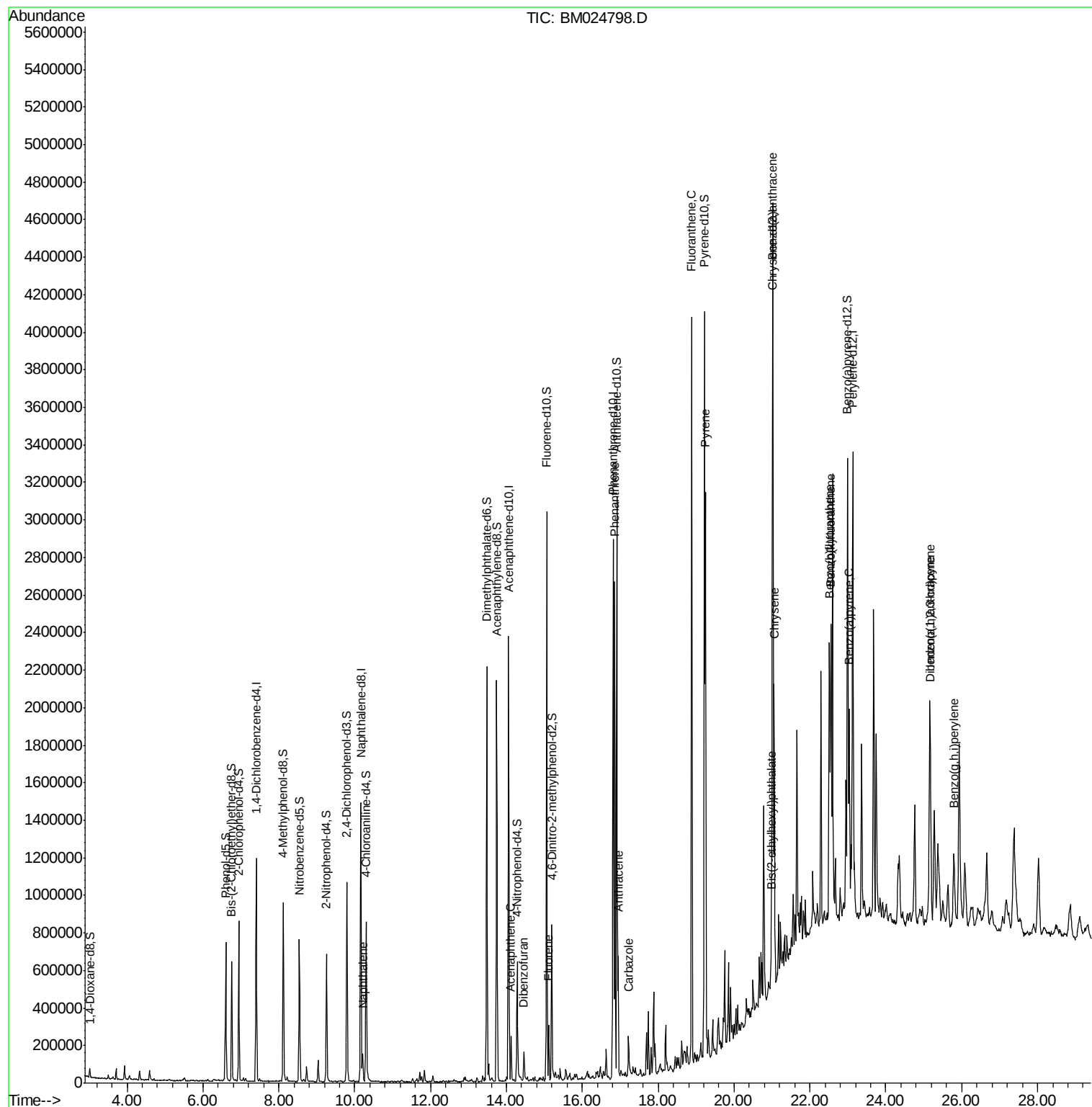
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020620\
Data File : BM024798.D
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ALS Vial : 77 Sample Multiplier: 1

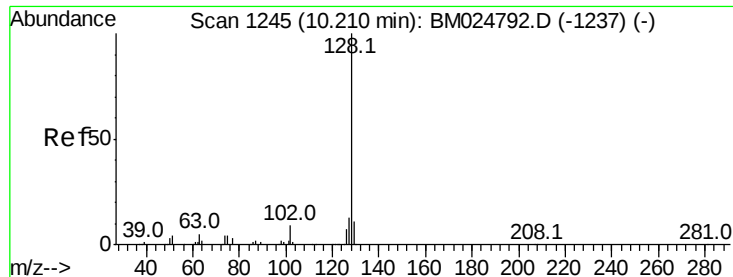
Instrument :
BNA_M
ClientSampleId :
CB6J3

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Quant Title : SVOA CALIBRATION
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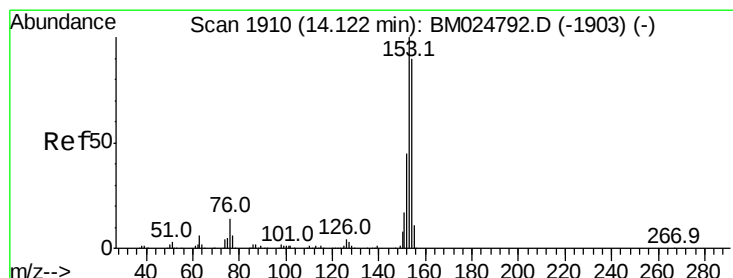
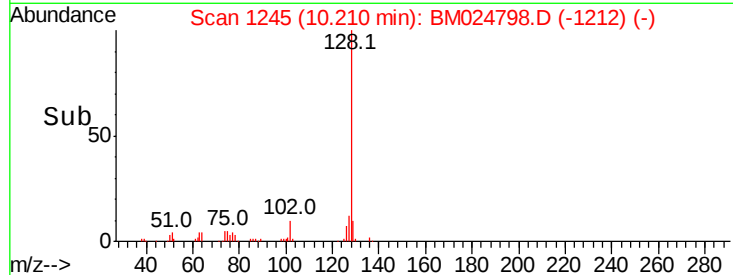
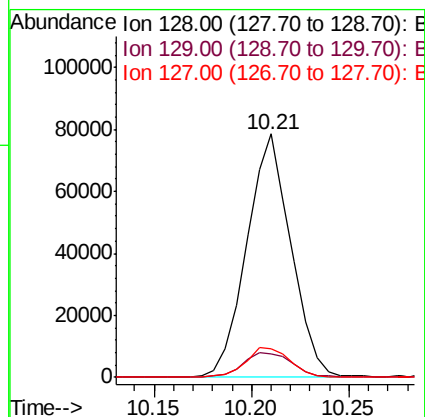
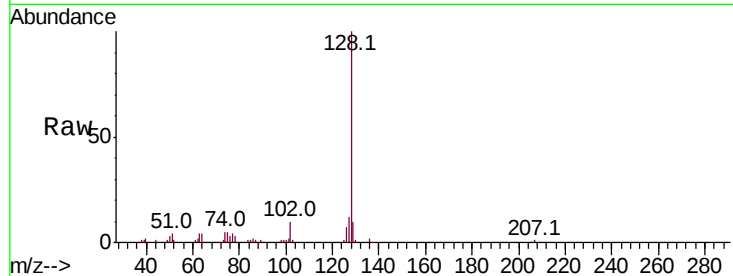
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Naphthalene
Concen: 1.897 ng/ul
RT: 10.21 min Scan# 1245
Delta R.T. -0.01 min
Lab File: BM024798.D
Acq: 08 Feb 2020 14:27

Instrument :
BNA_M
ClientSampleId :
CB6J3

Tot Ion:128	Resp:	122747
Ion Ratio	Lower	Upper
128 100		
129 9.9	9.1	13.7
127 11.7	10.4	15.6

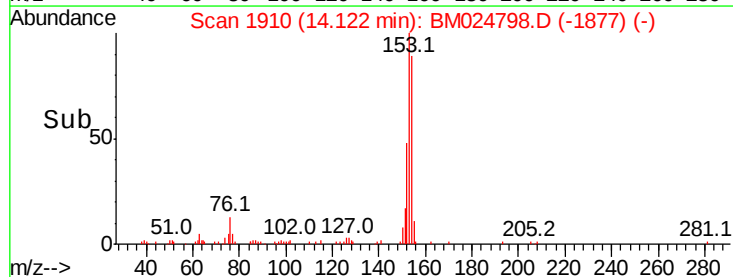
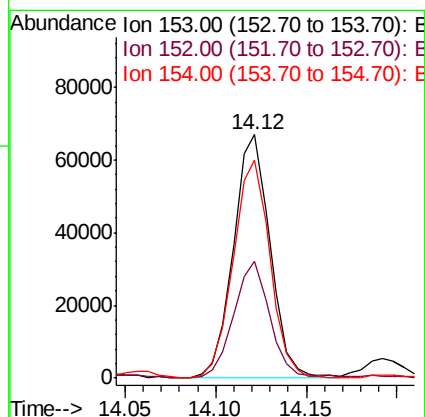
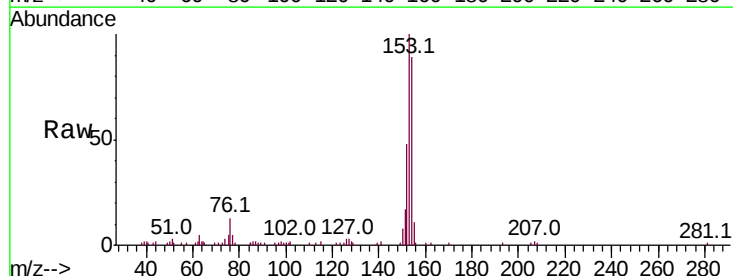
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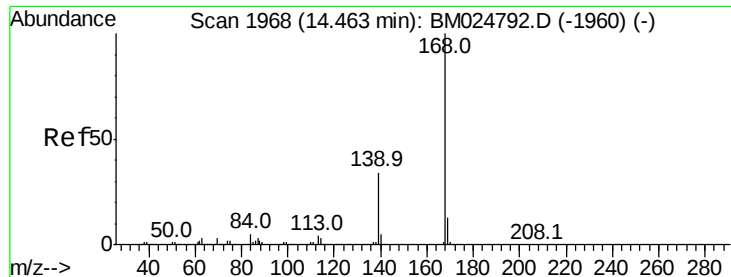
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#50
Acenaphthene
Concen: 1.861 ng/ul
RT: 14.12 min Scan# 1910
Delta R.T. -0.01 min
Lab File: BM024798.D
Acq: 08 Feb 2020 14:27

Tgt Ion:153	Resp:	94273
Ion Ratio	Lower	Upper
153 100		
152 48.2	37.3	55.9
154 89.4	74.1	111.1





#54

Dibenzofuran

Concen: 1.249 ng/ul

RT: 14.46 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BM024798.D

Acq: 08 Feb 2020 14:27

Instrument :

BNA_M

ClientSampleId :

CB6J3

Tot Ion:168 Resp: 94307

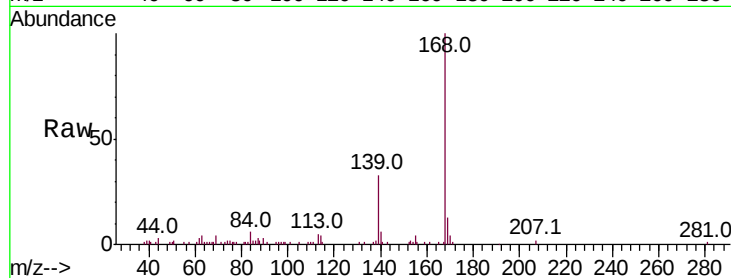
Ion Ratio Lower Upper

168 100

139 33.2 27.8 41.8

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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.46

60000

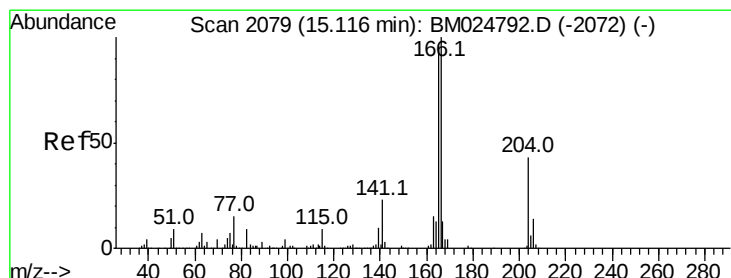
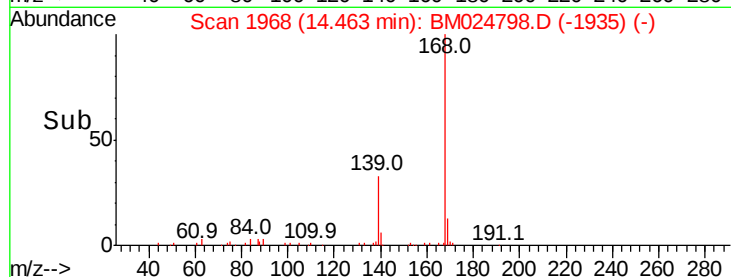
40000

20000

0

14.40 14.45 14.50

Time-->



#59

Fluorene

Concen: 1.845 ng/ul

RT: 15.12 min Scan# 2079

Delta R.T. -0.01 min

Lab File: BM024798.D

Acq: 08 Feb 2020 14:27

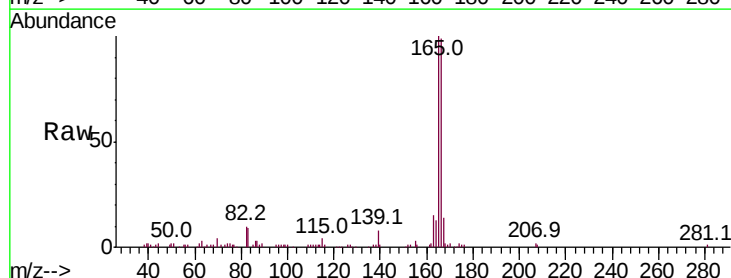
Tgt Ion:166 Resp: 114849

Ion Ratio Lower Upper

166 100

165 100.9 75.8 113.8

167 14.3 10.6 16.0



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

15.12

120000

100000

80000

60000

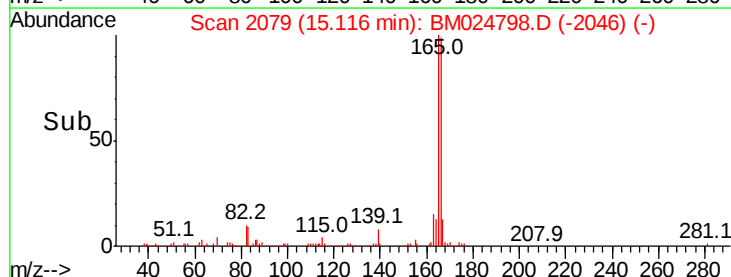
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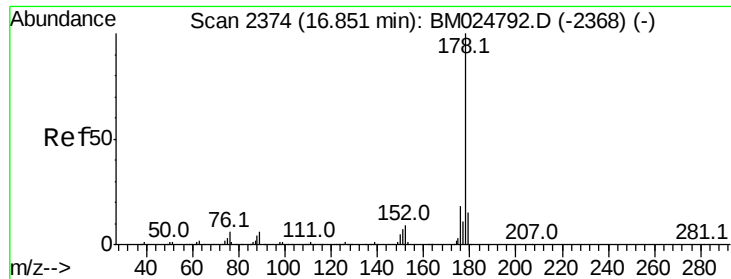
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0

15.05 15.10 15.15

Time-->





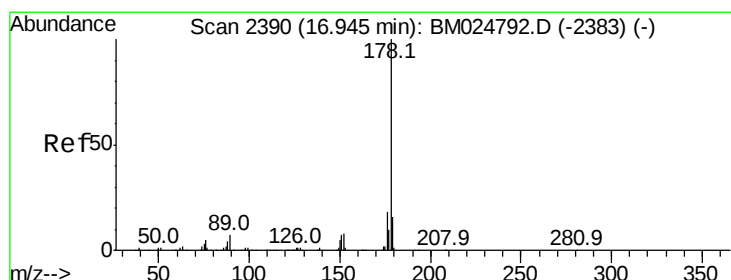
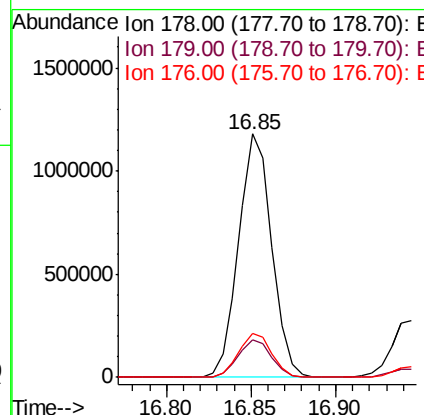
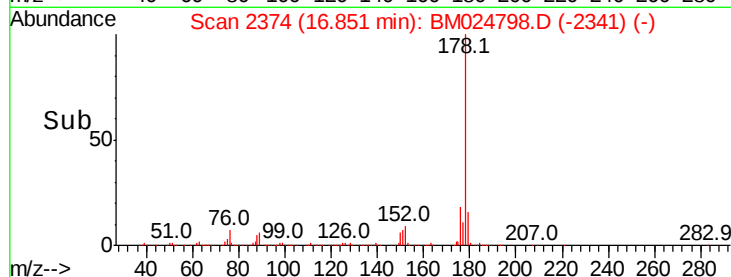
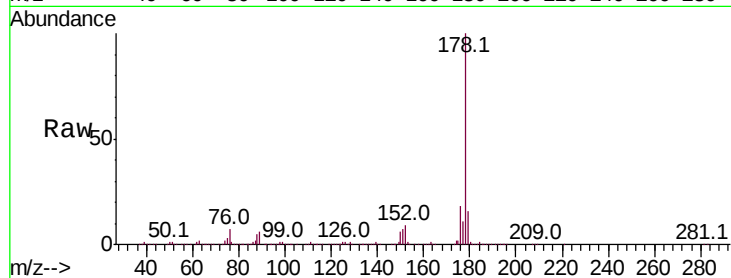
#70
Phenanthrene
Concen: 16.703 ng/ul
RT: 16.85 min Scan# 2374
Delta R.T. -0.01 min
Lab File: BM024798.D
Acq: 08 Feb 2020 14:27

Instrument :
BNA_M
ClientSampleId :
CB6J3

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.2	18.2
176	17.9	14.5	21.7

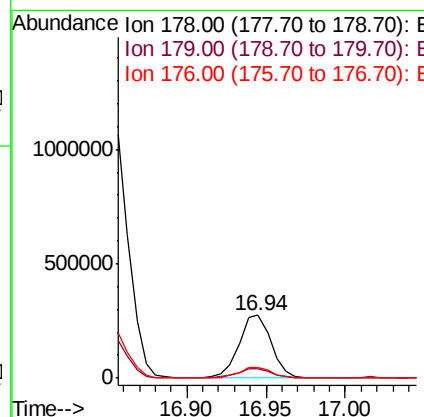
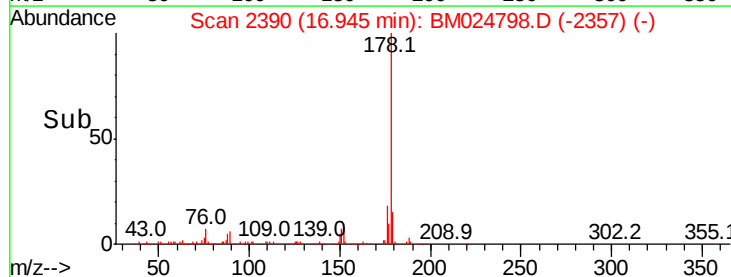
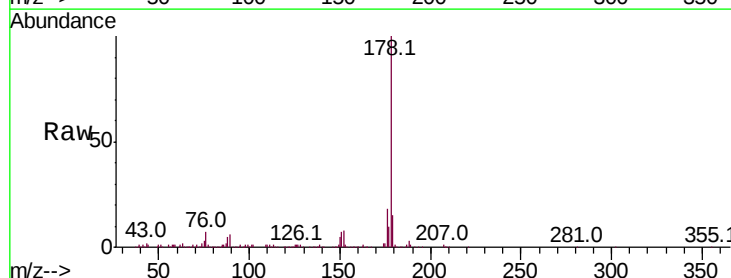
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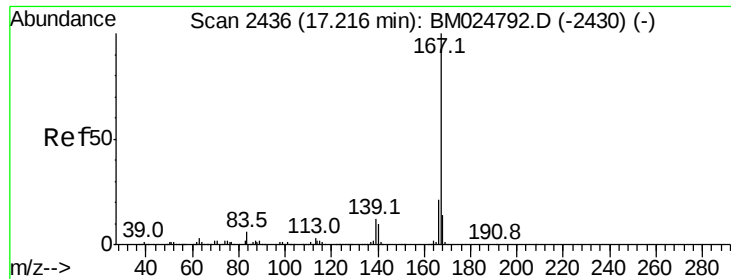
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#72
Anthracene
Concen: 3.975 ng/ul
RT: 16.94 min Scan# 2390
Delta R.T. -0.01 min
Lab File: BM024798.D
Acq: 08 Feb 2020 14:27

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.3	18.5
176	17.8	14.1	21.1





#75

Carbazole

Concen: 1.684 ng/ul

RT: 17.22 min Scan# 2436

Delta R.T. -0.01 min

Lab File: BM024798.D

Acq: 08 Feb 2020 14:27

Instrument :

BNA_M

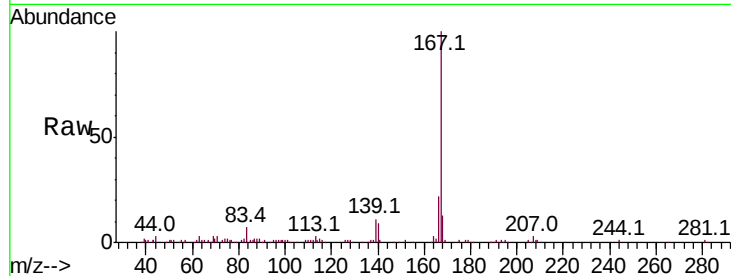
ClientSampleId :

CB6J3

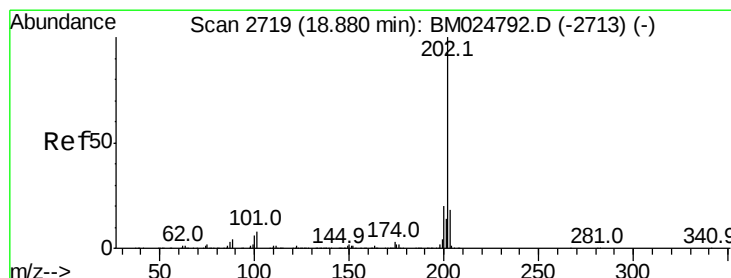
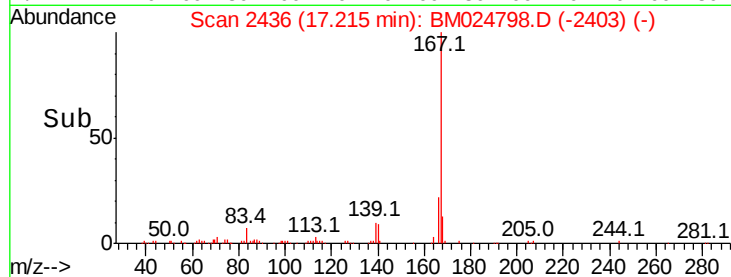
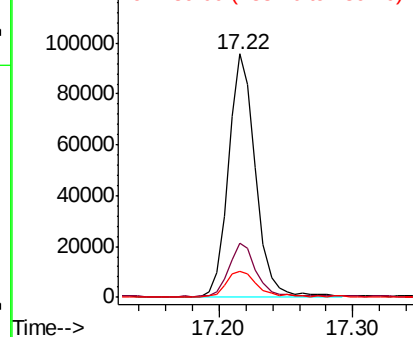
Tot Ion:	167	Resp:	136724
Ion Ratio	Lower	Upper	
167	100		
166	22.1	16.6	24.8
139	10.8	9.3	13.9

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#77

Fluoranthene

Concen: 20.595 ng/ul

RT: 18.88 min Scan# 2719

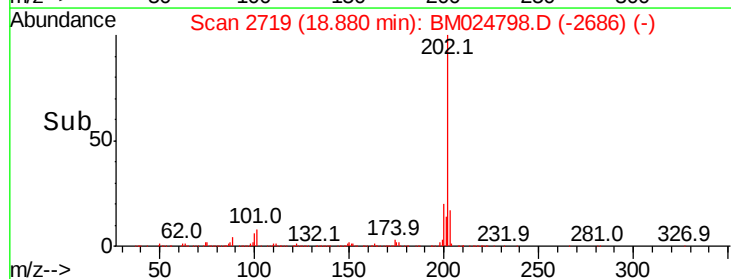
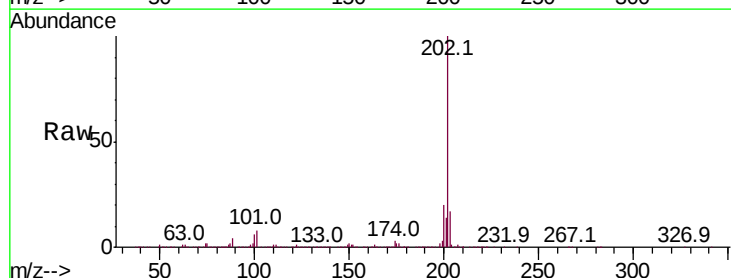
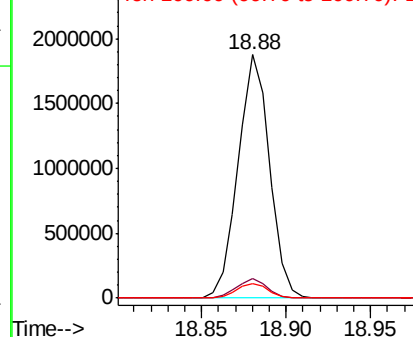
Delta R.T. -0.01 min

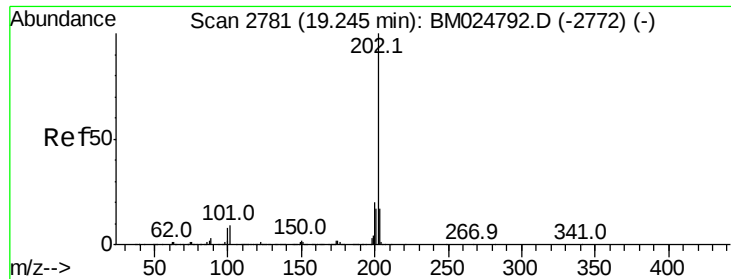
Lab File: BM024798.D

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Tgt Ion:	202	Resp:	2429663
Ion Ratio	Lower	Upper	
202	100		
101	7.9	6.1	9.1
100	6.2	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





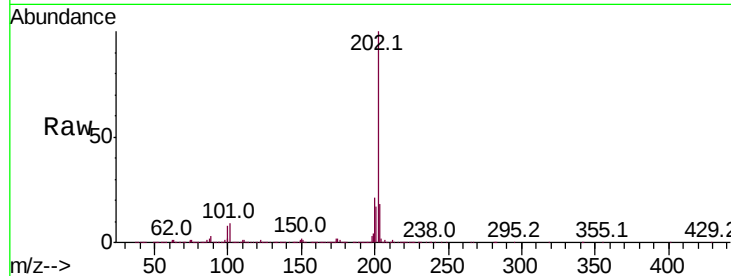
#80
Pvrene
Concen: 17.598 ng/ul
RT: 19.24 min Scan# 2781
Delta R.T. -0.01 min
Lab File: BM024798.D
Acq: 08 Feb 2020 14:27

Instrument :
BNA_M
ClientSampleId :
CB6J3

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.2	7.0	10.4
100	7.6	5.8	8.8

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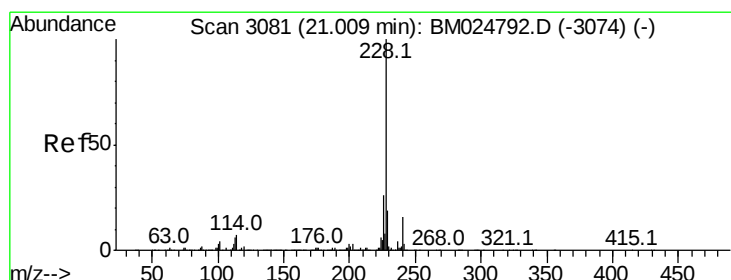
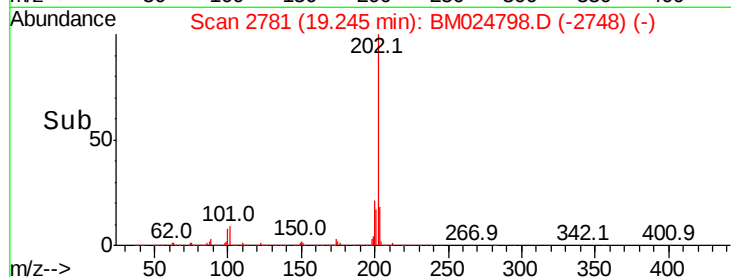
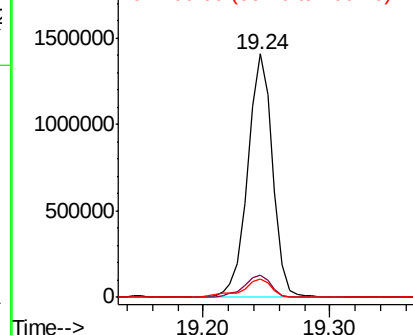


Abundance

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



#83
Benzo(a)anthracene
Concen: 9.656 ng/ul
RT: 21.01 min Scan# 3081
Delta R.T. -0.01 min
Lab File: BM024798.D
Acq: 08 Feb 2020 14:27

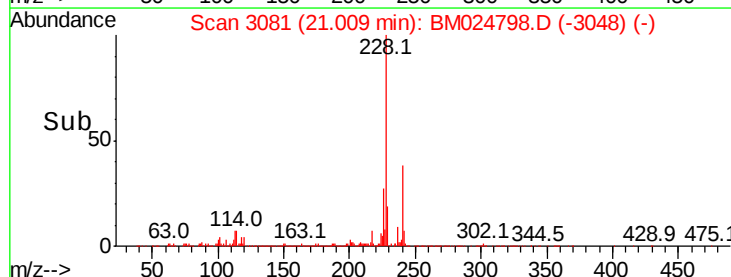
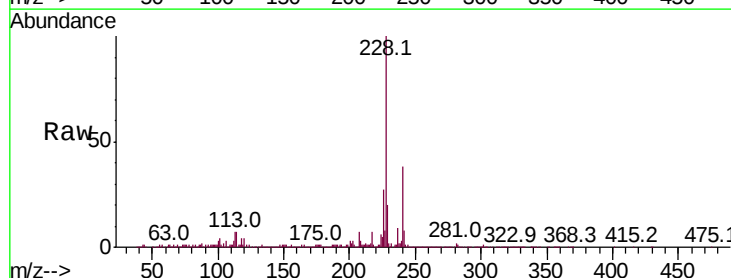
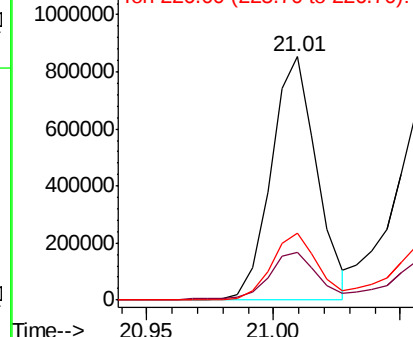
Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.9	23.9
226	27.4	20.8	31.2

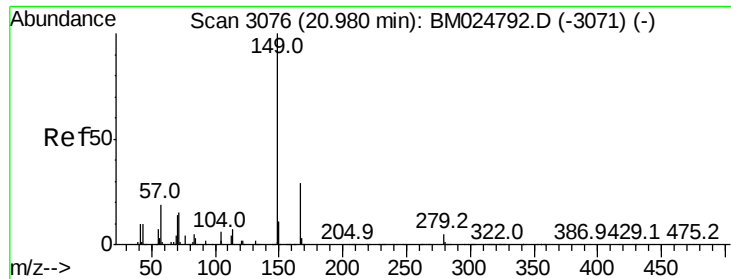
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





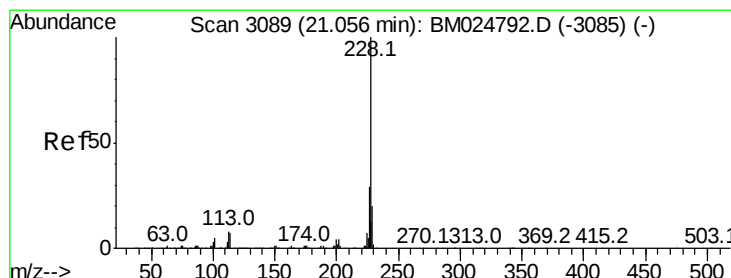
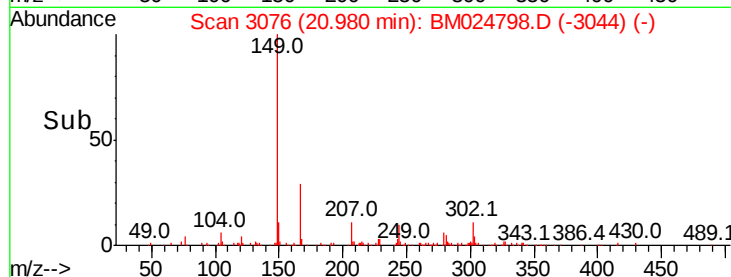
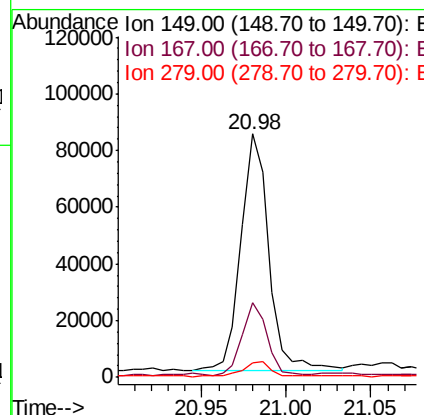
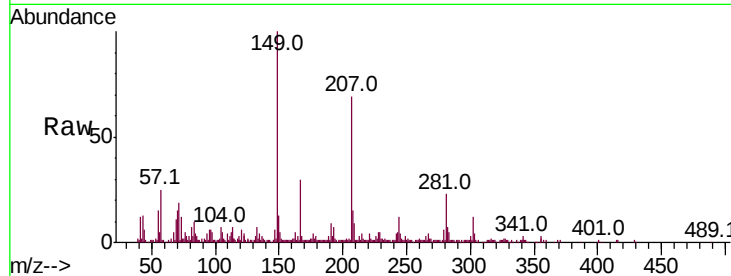
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 1.491 ng/ul
 RT: 20.98 min Scan# 3076
 Delta R.T. -0.01 min
 Lab File: BM024798.D
 Acq: 08 Feb 2020 14:27

Instrument :
 BNA_M
 ClientSampleId :
 CB6J3

Tot Ion	Ratio	Lower	Upper
149	100		
167	30.5	23.4	35.2
279	6.1	4.7	7.1

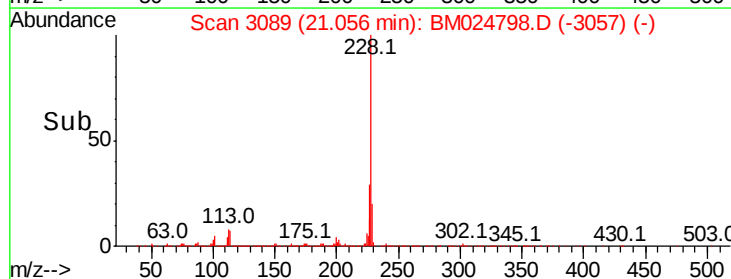
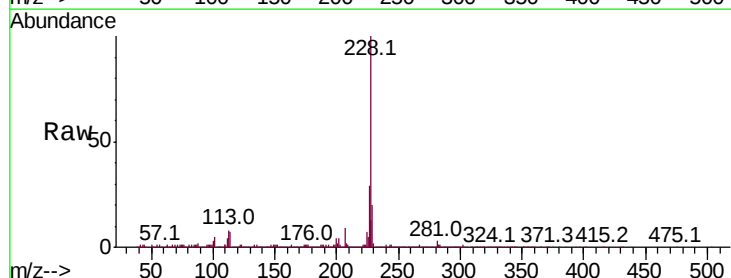
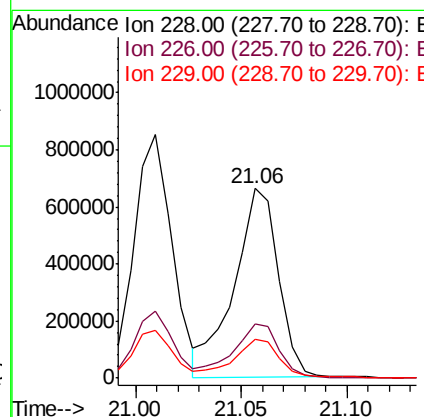
Manual Integrations
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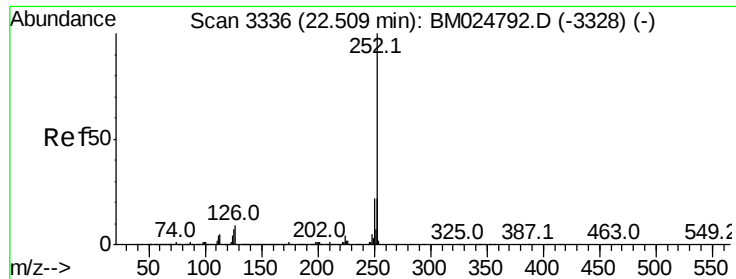
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#85
 Chrysene
 Concen: 8.819 ng/ul
 RT: 21.06 min Scan# 3089
 Delta R.T. -0.01 min
 Lab File: BM024798.D
 Acq: 08 Feb 2020 14:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.0	34.4
229	20.3	15.8	23.8





#88

Benzo(b)fluoranthene

Concen: 11.993 ng/ul

RT: 22.51 min Scan# 3336

Delta R.T. -0.01 min

Lab File: BM024798.D

Acq: 08 Feb 2020 14:27

Instrument :

BNA_M

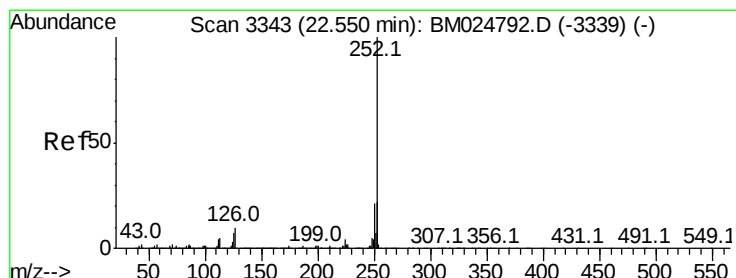
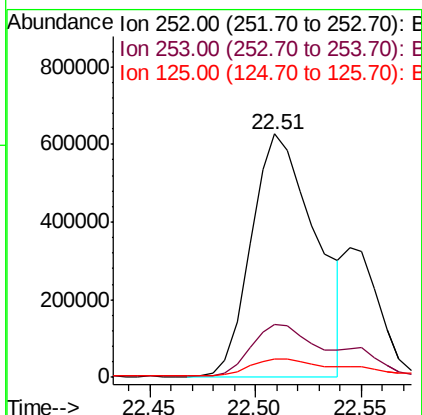
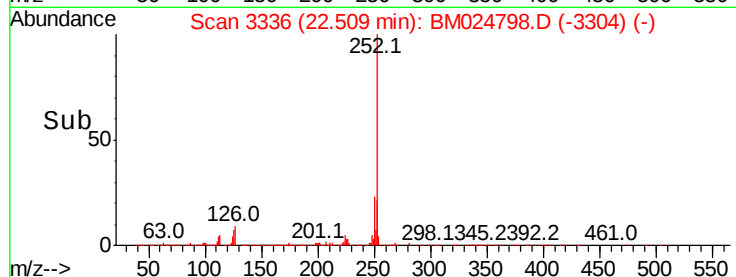
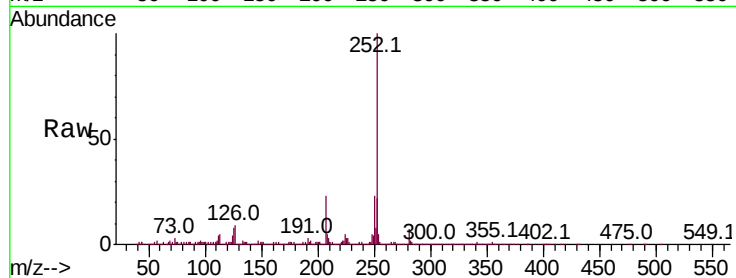
ClientSampleId :

CB6J3

Tot Ion:	252	Resp:	1326683
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.3	25.9
125	7.7	5.1	7.7#

Manual Integrations
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#89

Benzo(k)fluoranthene

Concen: 3.455 ng/ul m

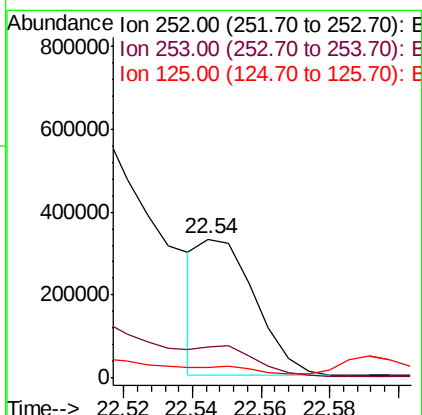
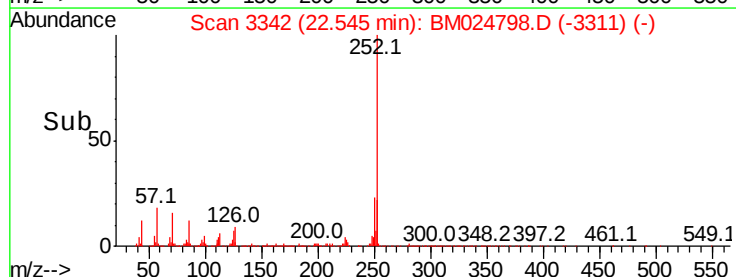
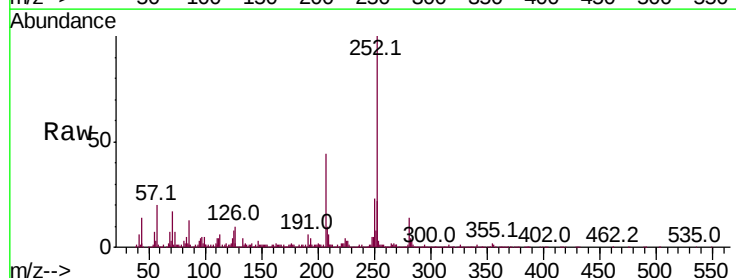
RT: 22.54 min Scan# 3342

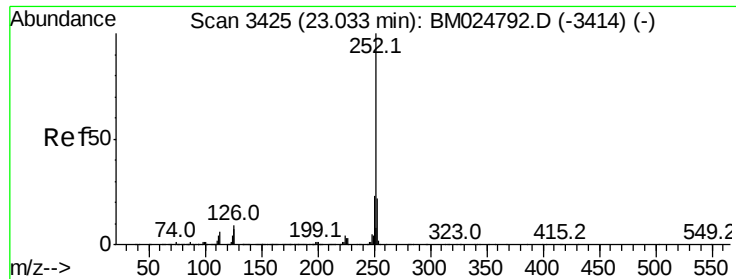
Delta R.T. -0.02 min

Lab File: BM024798.D

Acq: 08 Feb 2020 14:27

Tgt Ion:	252	Resp:	367837
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.4	26.0
125	7.7	5.1	7.7#





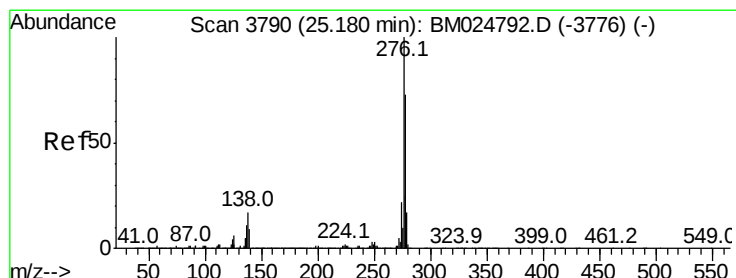
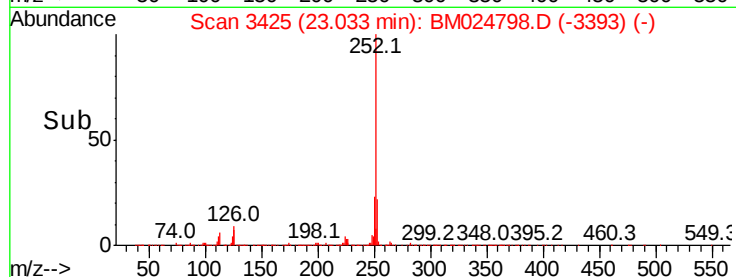
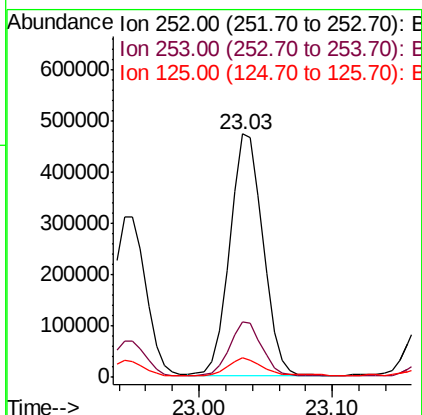
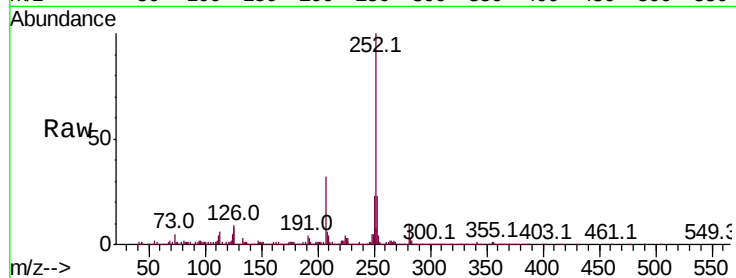
#91
Benzo(a)pyrene
Concen: 8.249 ng/ul
RT: 23.03 min Scan# 3425
Delta R.T. -0.01 min
Lab File: BM024798.D
Acq: 08 Feb 2020 14:27

Instrument :
BNA_M
ClientSampleId :
CB6J3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	8.0	5.6	8.4

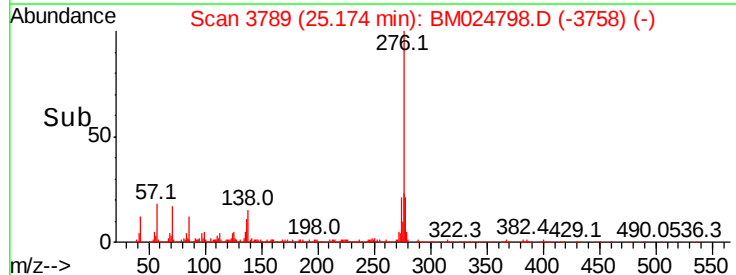
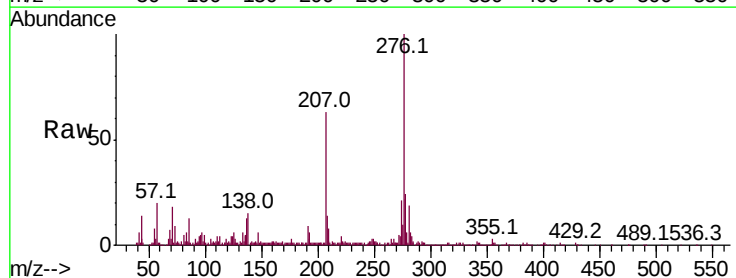
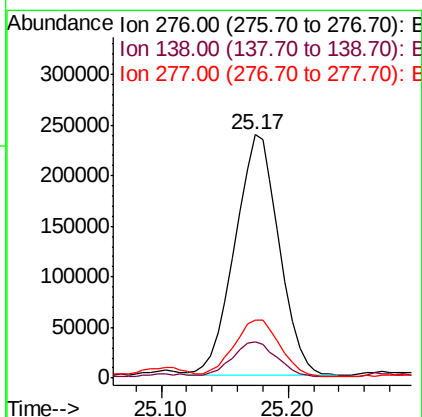
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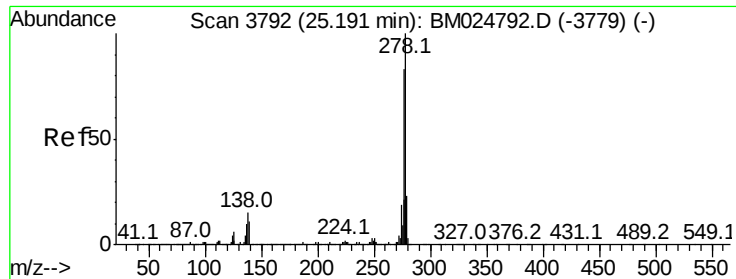
mohammad
2/11/2020 8:22:50 AM



#92
Indeno(1,2,3-cd)pyrene
Concen: 4.655 ng/ul
RT: 25.17 min Scan# 3789
Delta R.T. -0.02 min
Lab File: BM024798.D
Acq: 08 Feb 2020 14:27

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.9	12.8	19.2
277	23.7	19.3	28.9





#93

Dibenzo(a,h)anthracene

Concen: 1.533 ng/ul

RT: 25.18 min Scan# 3790

Delta R.T. -0.03 min

Lab File: BM024798.D

Acq: 08 Feb 2020 14:27

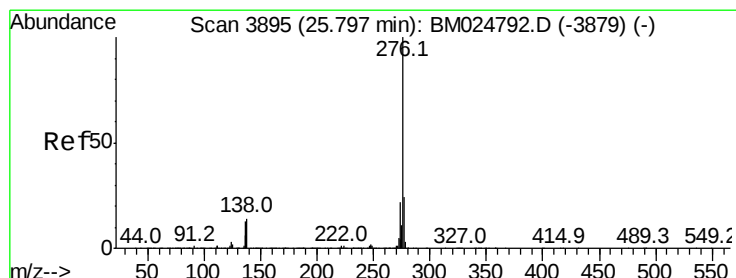
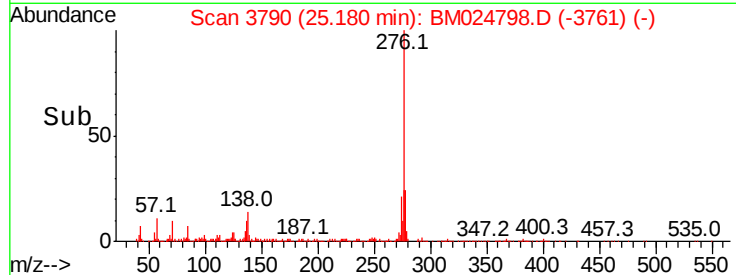
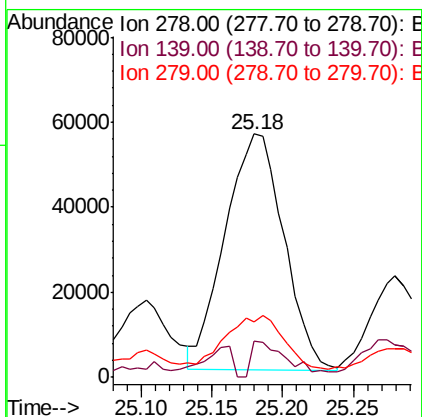
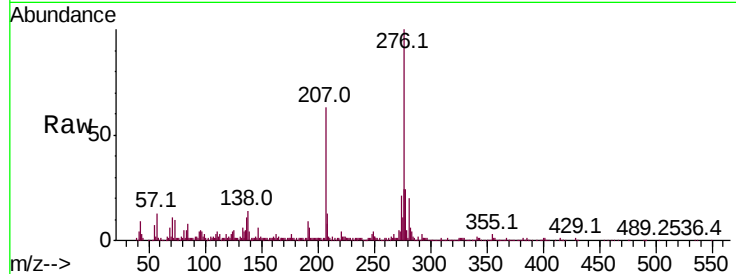
Instrument :
BNA_M

ClientSampled :
CB6J3

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.1	8.4	12.6#
279	22.6	18.5	27.7

Manual Integrations
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2/11/2020 8:22:50 AM



#94

Benzo(g,h,i)perylene

Concen: 4.467 ng/ul

RT: 25.80 min Scan# 3895

Delta R.T. -0.02 min

Lab File: BM024798.D

Acq: 08 Feb 2020 14:27

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.8	11.8	17.6
277	23.9	19.0	28.6

