

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112119\
 Data File : BM023842.D
 Acq On : 21 Nov 2019 22:55
 Operator : JU
 Sample : K5851-17
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AB5

Manual Integrations
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Quant Time: Nov 22 07:10:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 21 16:09:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	369600	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.29	136	1506147	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.17	164	931907	20.00	ng/ul	-0.01
62) Phenanthrene-d10	16.92	188	2031728	20.00	ng/ul	0.00
78) Chrysene-d12	21.13	240	2066282	20.00	ng/ul	0.00
86) Perylene-d12	23.28	264	2537714	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	27095	3.02	ng/uL	0.00
5) Phenol-d5	6.70	99	605827	17.98	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	6.86	67	345477	17.85	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.05	132	486938	19.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	428335	15.94	ng/ul	-0.01
19) Nitrobenzene-d5	8.66	128	238562	22.13	ng/ul	0.00
22) 2-Nitrophenol-d4	9.38	143	274051	24.18	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.92	165	494554	19.14	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.43	131	559462	19.72	ng/ul	0.00
44) Dimethylphthalate-d6	13.59	166	1535837	21.13	ng/ul	0.00
47) Acenaphthylene-d8	13.86	160	1835039	22.13	ng/ul	0.00
52) 4-Nitrophenol-d4	14.40	143	181689	14.65	ng/ul	0.00
58) Fluorene-d10	15.17	176	1368351	21.32	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.31	200	159236	13.55	ng/ul	0.00
71) Anthracene-d10	17.02	188	2176305	22.58	ng/ul	0.00
79) Pyrene-d10	19.33	212	2483812	23.05	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.14	264	3090353	23.14	ng/ul	-0.01

Target Compounds

					Ovalue	
6) Phenol	6.73	94	109100	3.143	ng/ul	97
28) Naphthalene	10.33	128	288419	3.643	ng/ul	98
34) 2-Methylnaphthalene	11.96	142	115724	1.911	ng/ul	97
45) Dimethylphthalate	13.64	163	446997	6.276	ng/ul	99
50) Acenaphthene	14.23	153	371081	6.263	ng/ul	98
54) Dibenzofuran	14.57	168	409907	4.673	ng/ul	98
59) Fluorene	15.23	166	547301	7.691	ng/ul	99
70) Phenanthrene	16.97	178	5521876	49.342	ng/ul	100
72) Anthracene	17.06	178	1719769	15.283	ng/ul	99
75) Carbazole	17.33	167	717882	7.653	ng/ul	100
77) Fluoranthene	18.99	202	5849895	48.791	ng/ul	97
80) Pyrene	19.36	202	4717132	35.318	ng/ul	97
83) Benzo(a)anthracene	21.12	228	2451040	17.983	ng/ul	99
85) Chrysene	21.16	228	2059646	16.052	ng/ul	97
88) Benzo(b)fluoranthene	22.64	252	2728365	16.866	ng/ul	98
89) Benzo(k)fluoranthene	22.68	252	749330m	4.808	ng/ul	
91) Benzo(a)pyrene	23.19	252	1974064	13.330	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.41	276	1184351	7.479	ng/ul	97
93) Dibenzo(a,h)anthracene	25.42	278	323133	2.418	ng/ul#	82
94) Benzo(g,h,i)perylene	26.07	276	1069886	8.338	ng/ul	97

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

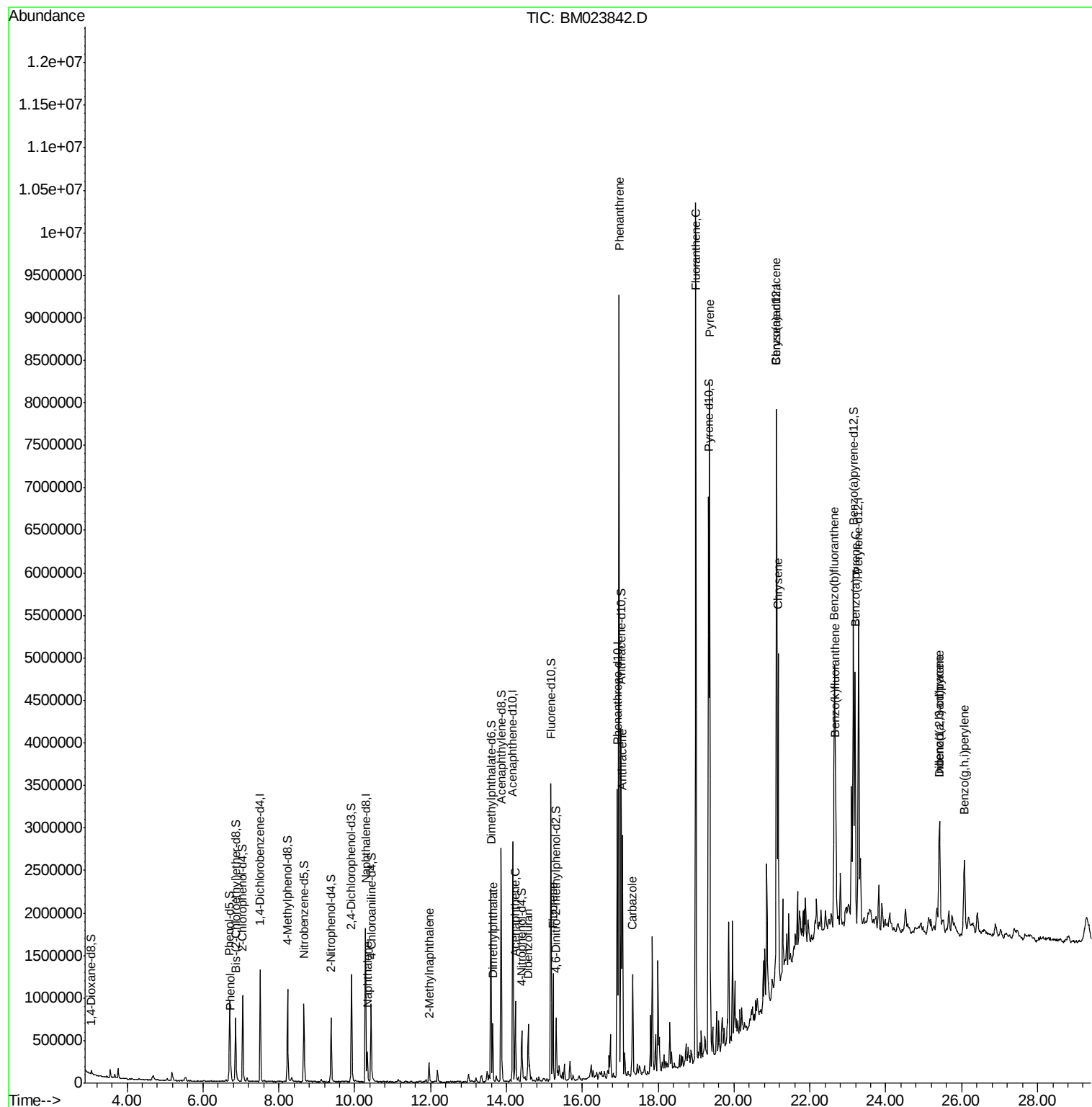
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112119\
Data File : BM023842.D
Acq On : 21 Nov 2019 22:55
Operator : JU
Sample : K5851-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

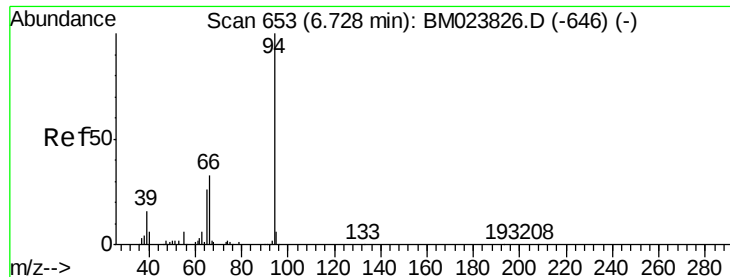
Instrument :
BNA_M
ClientSampleId :
C0AB5

Quant Time: Nov 22 07:10:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM11119MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 21 16:09:32 2019
Response via : Initial Calibration

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#6

Phenol

Concen: 3.143 ng/ul

RT: 6.73 min Scan# 653

Delta R.T. -0.01 min

Lab File: BM023842.D

Acq: 21 Nov 2019 22:55

Instrument :

BNA_M

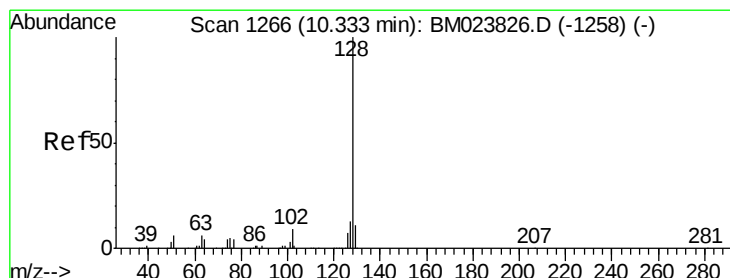
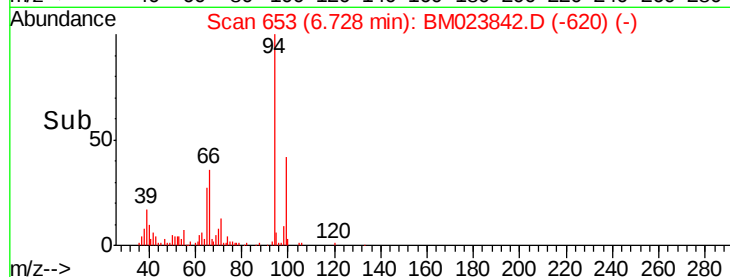
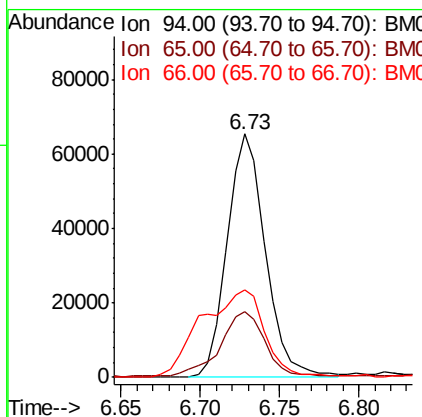
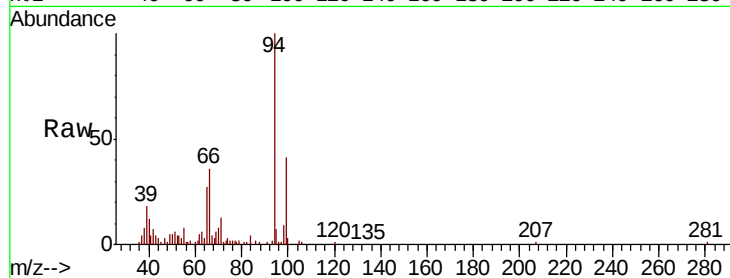
ClientSampleId :

C0AB5

Tot Ion:	94	Resp:	109100
Ion	Ratio	Lower	Upper
94	100		
65	27.1	21.4	32.2
66	36.0	30.7	46.1

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#28

Naphthalene

Concen: 3.643 ng/ul

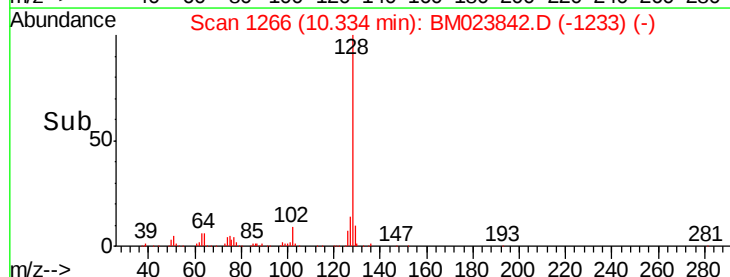
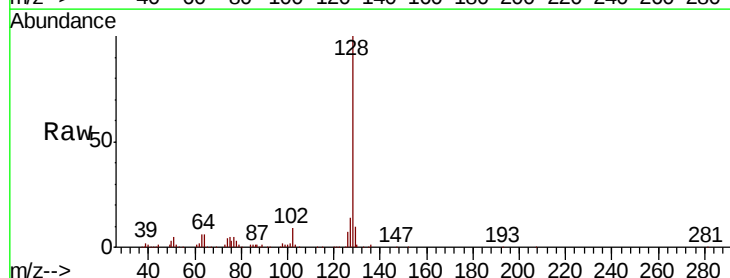
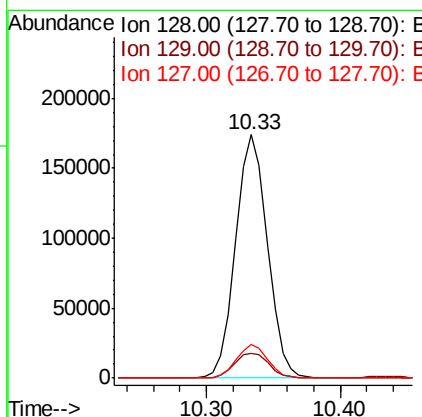
RT: 10.33 min Scan# 1266

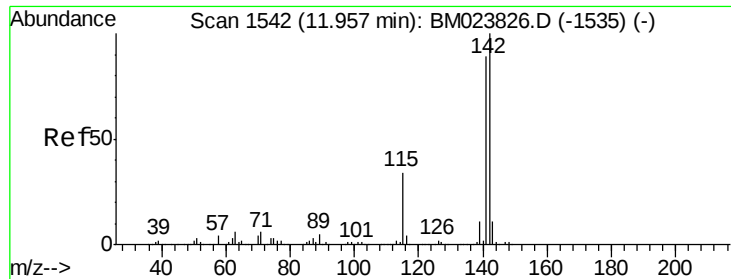
Delta R.T. -0.01 min

Lab File: BM023842.D

Acq: 21 Nov 2019 22:55

Tgt Ion:	128	Resp:	288419
Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.7	13.1
127	14.0	10.6	16.0





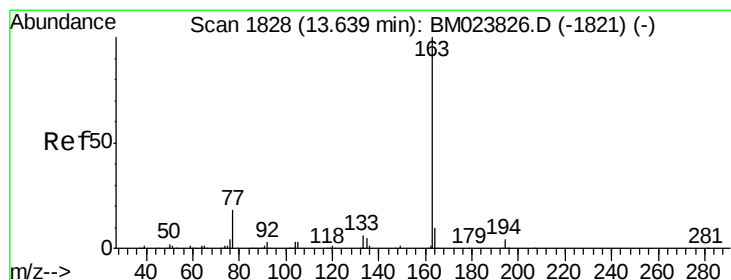
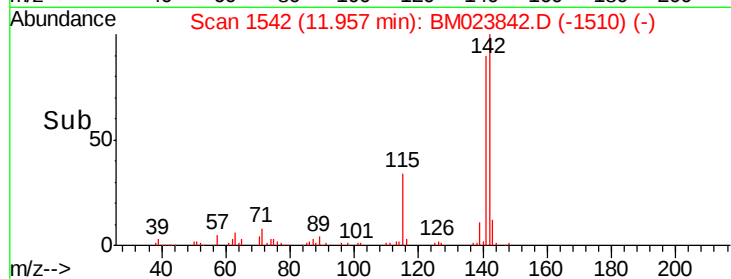
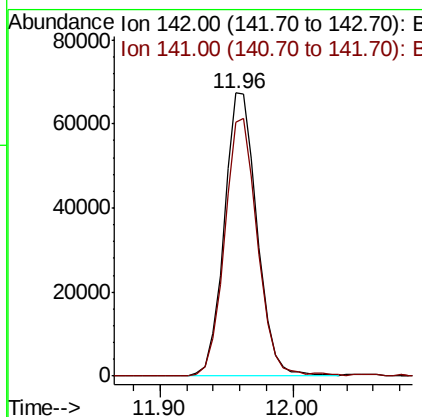
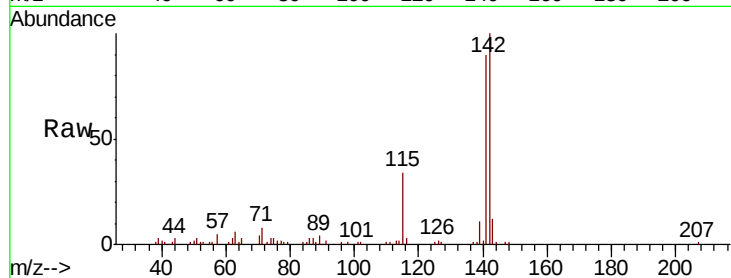
#34
2-Methylnaphthalene
Concen: 1.911 ng/ul
RT: 11.96 min Scan# 1542
Delta R.T. -0.01 min
Lab File: BM023842.D
Acq: 21 Nov 2019 22:55

Instrument :
BNA_M
ClientSampleId :
C0AB5

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.9	69.8	104.8

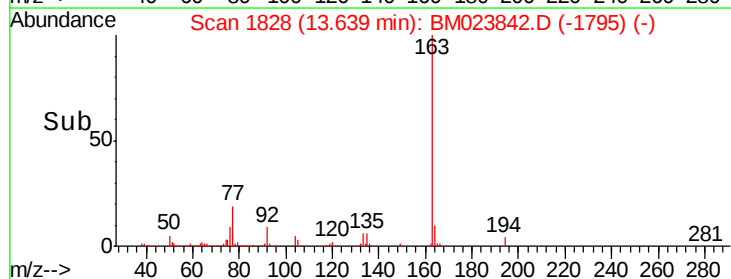
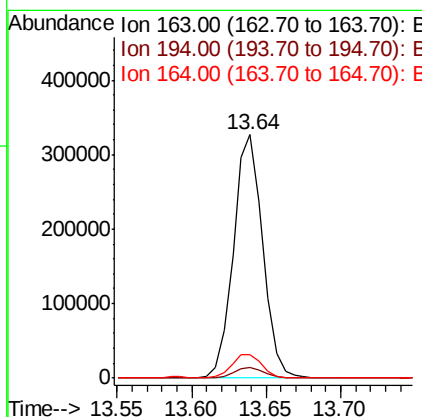
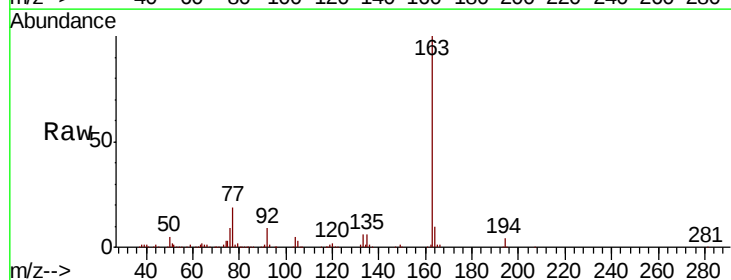
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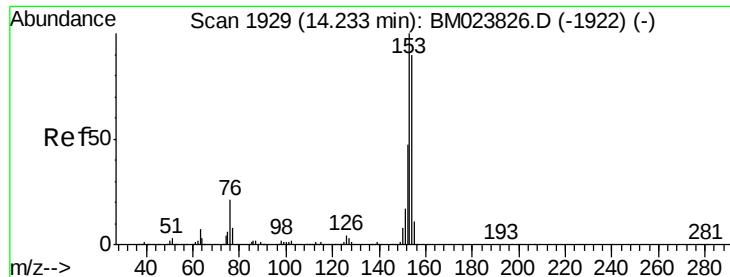
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#45
Dimethylphthalate
Concen: 6.276 ng/ul
RT: 13.64 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BM023842.D
Acq: 21 Nov 2019 22:55

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	9.7	8.0	12.0





#50

Acenaphthene

Concen: 6.263 ng/ul

RT: 14.23 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BM023842.D

Acq: 21 Nov 2019 22:55

Instrument :

BNA_M

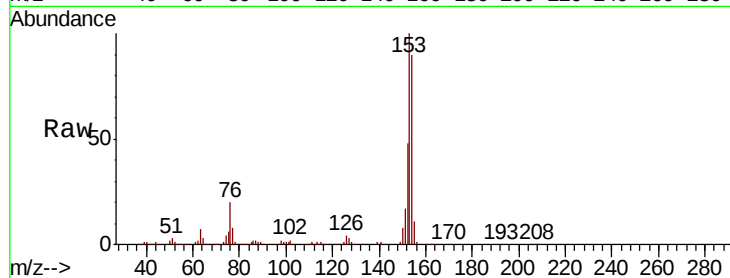
ClientSampleId :

C0AB5

Tot Ion	Ratio	Lower	Upper
153	100		
152	47.8	37.7	56.5
154	90.1	70.6	106.0

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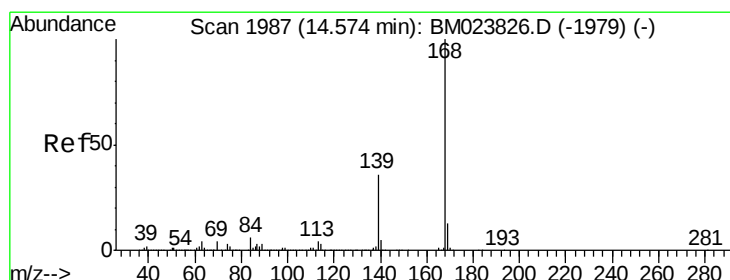
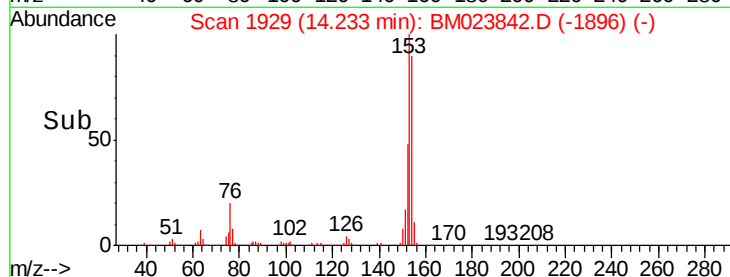
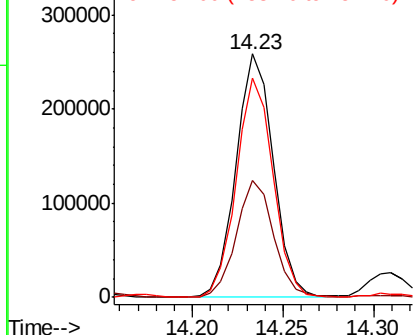


Abundance

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 4.673 ng/ul

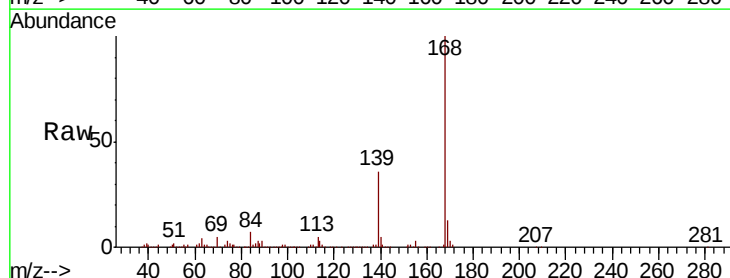
RT: 14.57 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BM023842.D

Acq: 21 Nov 2019 22:55

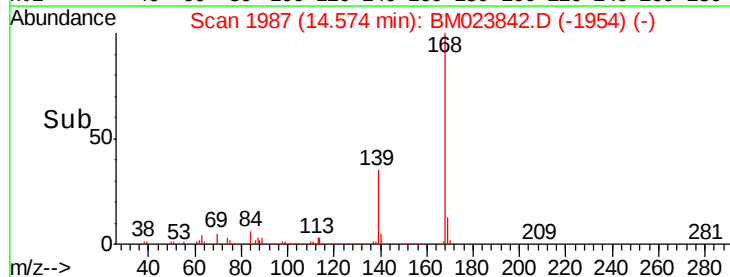
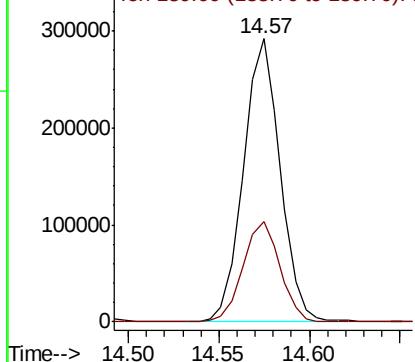
Tgt Ion	Ratio	Lower	Upper
168	100		
139	35.6	29.3	43.9

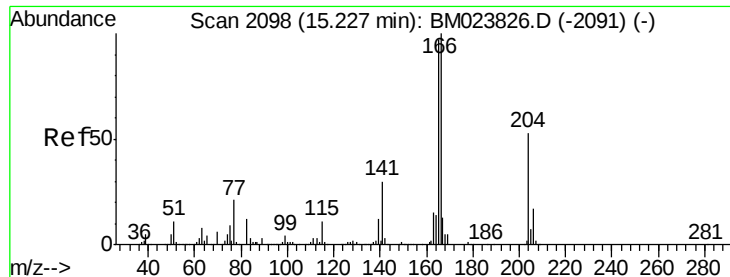


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





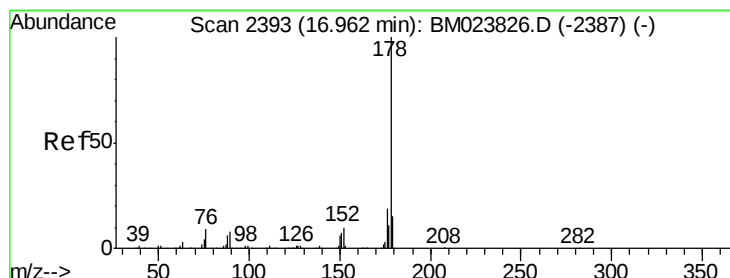
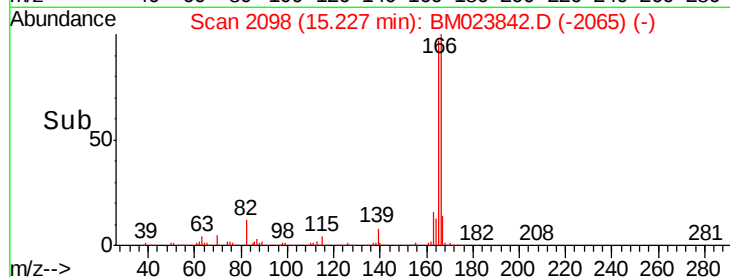
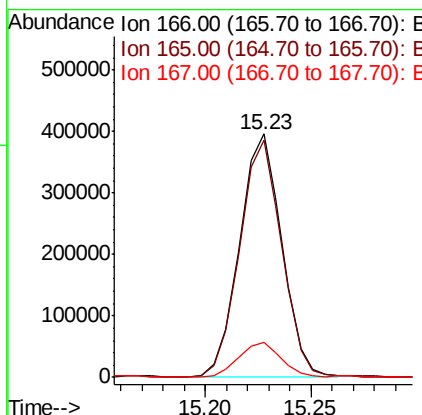
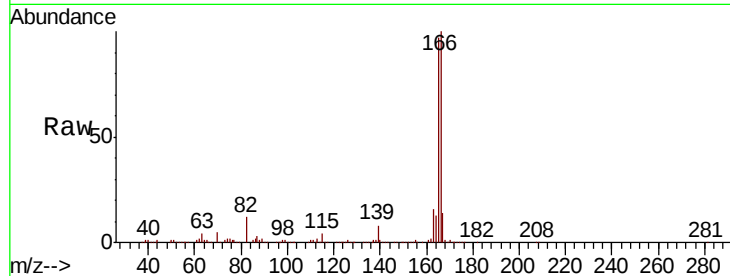
#59
Fluorene
 Concen: 7.691 ng/ul
 RT: 15.23 min Scan# 2098
 Delta R.T. -0.01 min
 Lab File: BM023842.D
 Acq: 21 Nov 2019 22:55

Instrument :
 BNA_M
 ClientSampleId :
 C0AB5

Tot Ion:	166	Resp:	547301
Ion Ratio	Lower	Upper	
166	100		
165	97.3	77.2	115.8
167	14.3	10.9	16.3

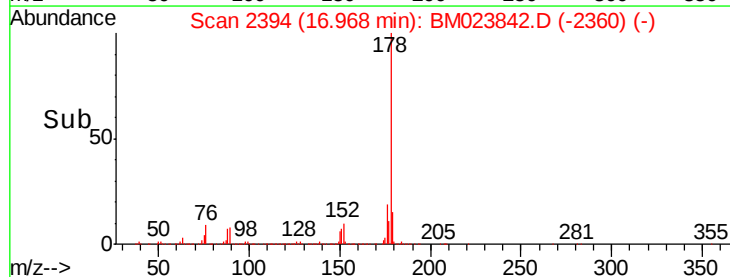
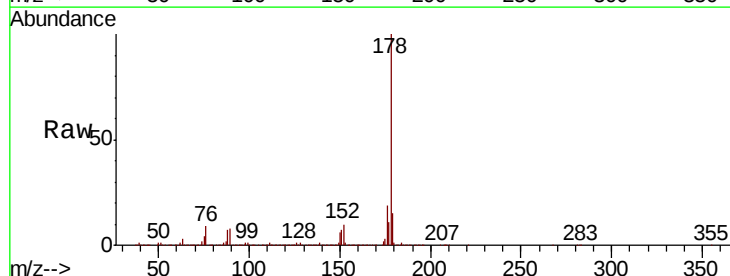
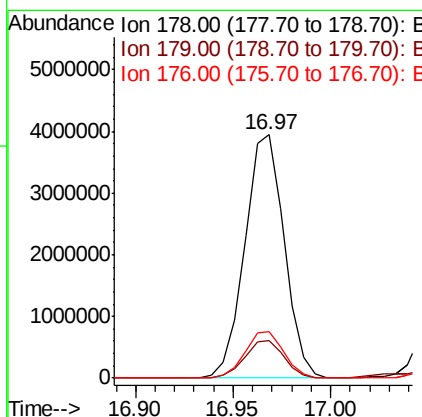
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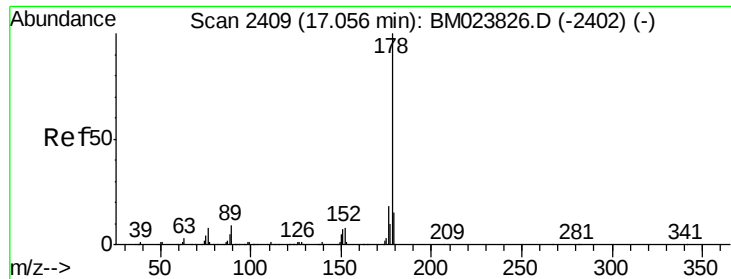
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#70
Phenanthrene
 Concen: 49.342 ng/ul
 RT: 16.97 min Scan# 2394
 Delta R.T. 0.00 min
 Lab File: BM023842.D
 Acq: 21 Nov 2019 22:55

Tgt Ion:	178	Resp:	5521876
Ion Ratio	Lower	Upper	
178	100		
179	15.4	12.3	18.5
176	19.0	15.0	22.6





#72

Anthracene

Concen: 15.283 ng/ul

RT: 17.06 min Scan# 2409

Delta R.T. -0.01 min

Lab File: BM023842.D

Acq: 21 Nov 2019 22:55

Instrument :

BNA_M

ClientSampleId :

C0AB5

Tot Ion:178 Resp: 1719769

Ion Ratio Lower Upper

178 100

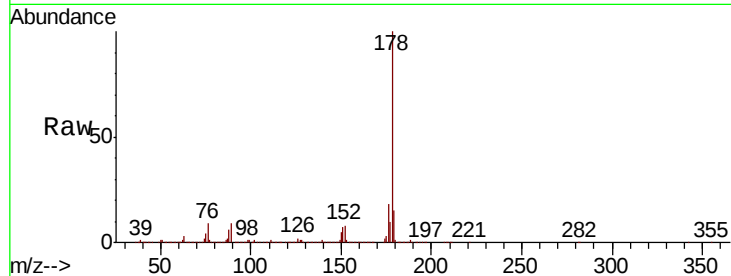
179 15.2 12.3 18.5

176 18.1 14.7 22.1

Manual Integrations
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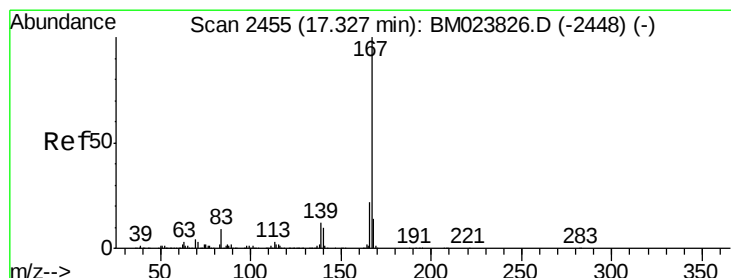
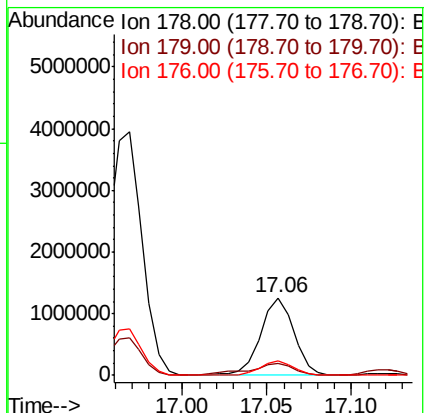
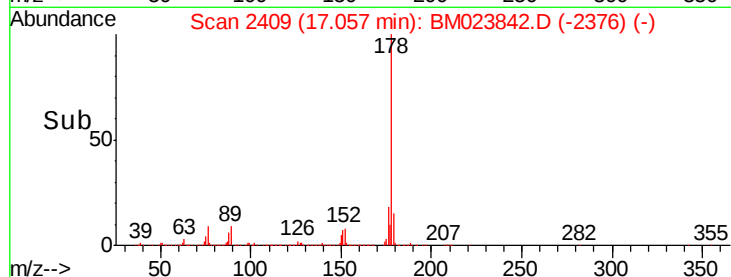


Abundance

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



#75

Carbazole

Concen: 7.653 ng/ul

RT: 17.33 min Scan# 2455

Delta R.T. -0.01 min

Lab File: BM023842.D

Acq: 21 Nov 2019 22:55

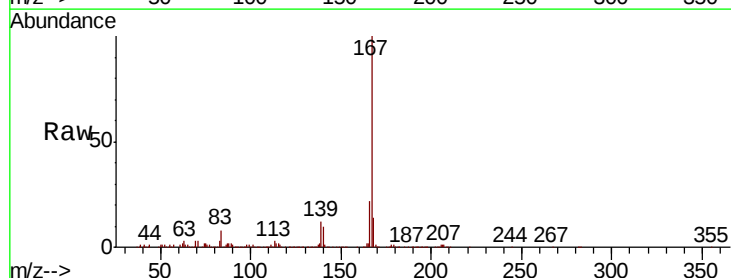
Tgt Ion:167 Resp: 717882

Ion Ratio Lower Upper

167 100

166 21.6 17.1 25.7

139 12.2 9.8 14.6

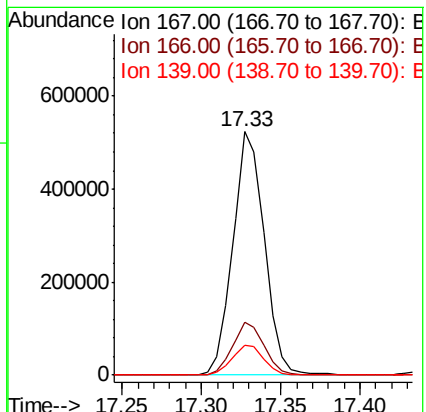
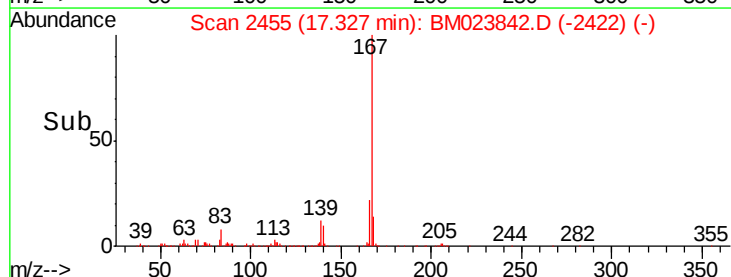


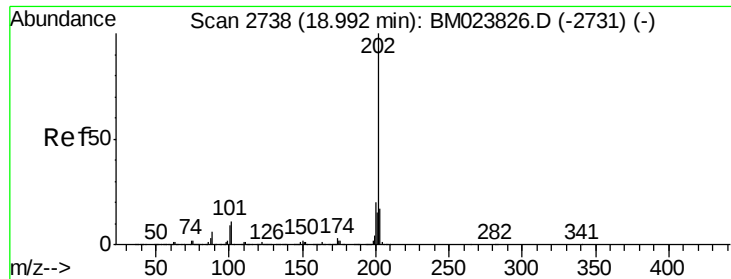
Abundance

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





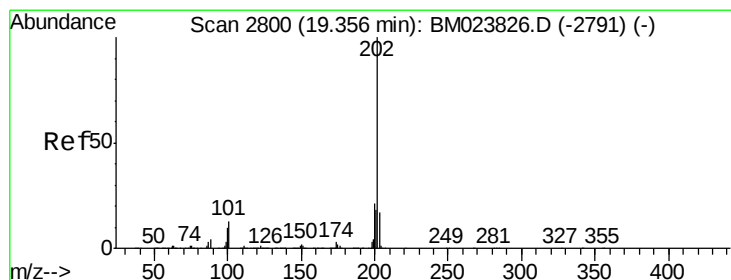
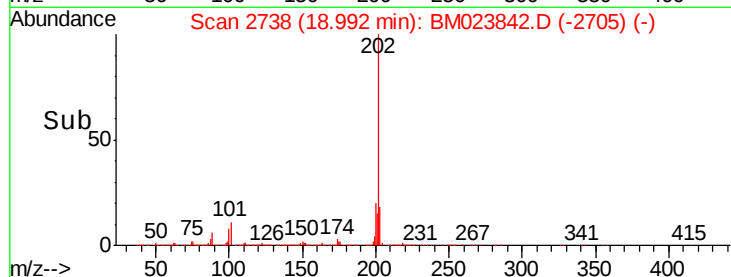
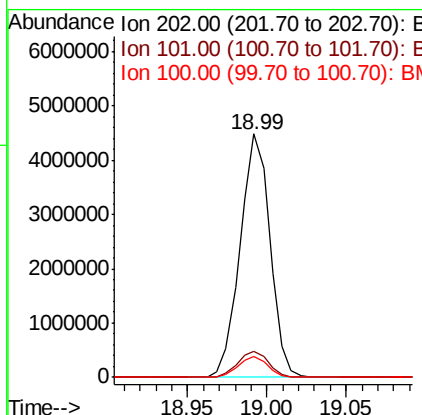
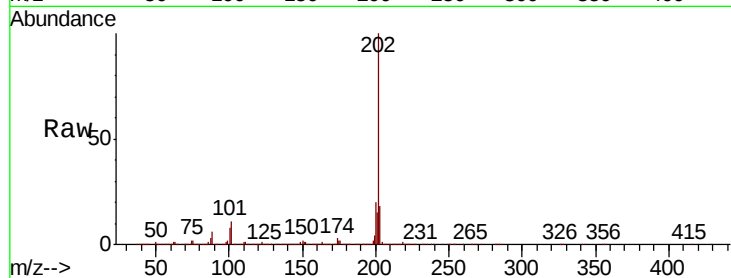
#77
 Fluoranthene
 Concen: 48.791 ng/ul
 RT: 18.99 min Scan# 2738
 Delta R.T. -0.01 min
 Lab File: BM023842.D
 Acq: 21 Nov 2019 22:55

Instrument :
 BNA_M
 ClientSampleId :
 C0AB5

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.9	7.7	11.5
100	8.5	6.0	9.0

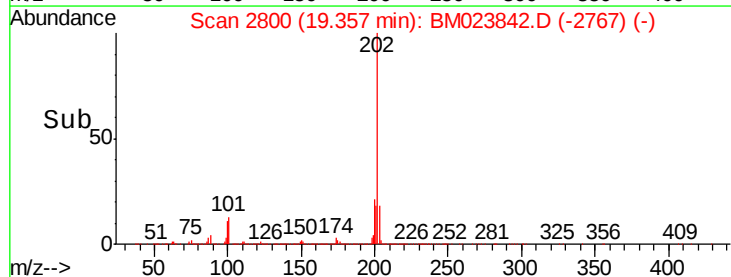
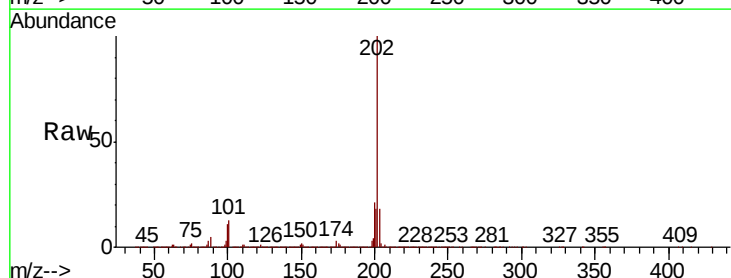
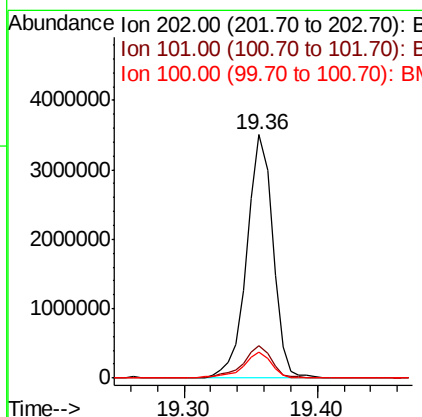
Manual Integrations
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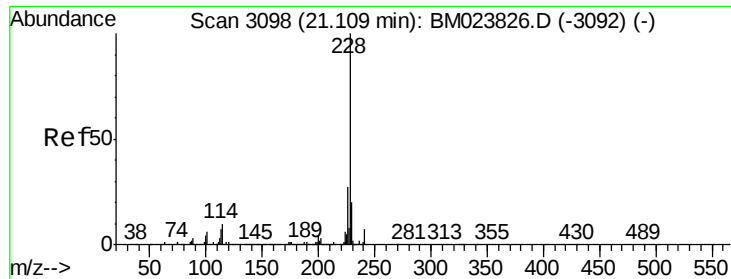
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#80
 Pyrene
 Concen: 35.318 ng/ul
 RT: 19.36 min Scan# 2800
 Delta R.T. -0.01 min
 Lab File: BM023842.D
 Acq: 21 Nov 2019 22:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.3	9.8	14.6
100	10.9	8.1	12.1





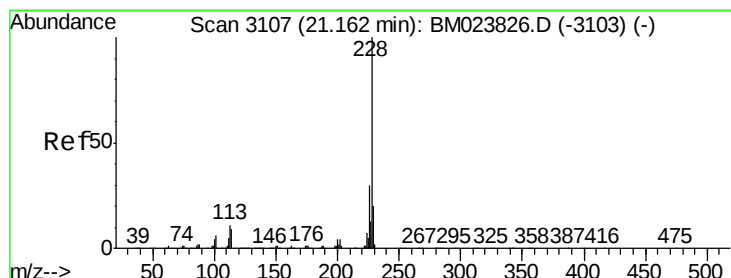
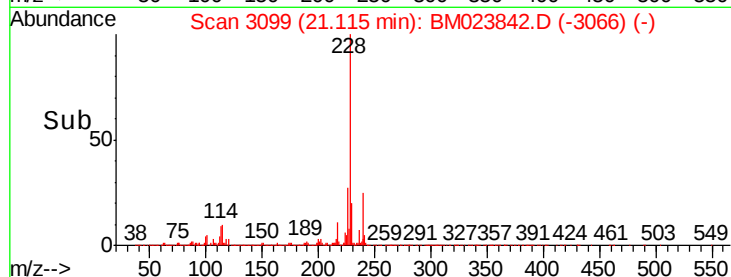
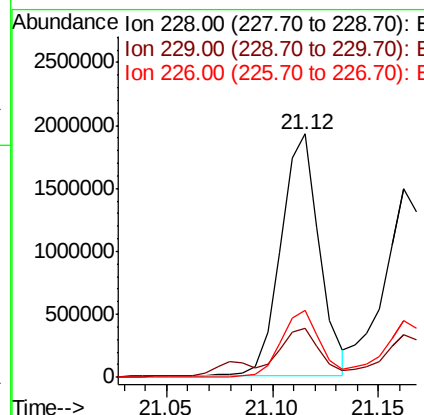
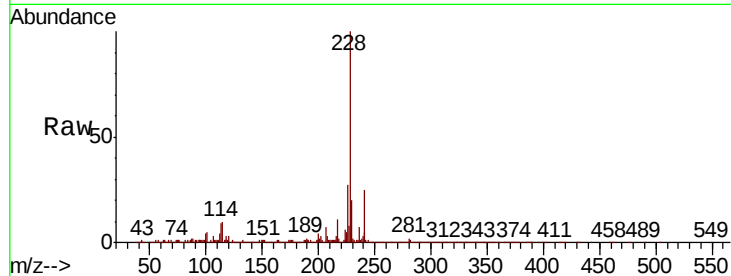
#83
Benzo(a)anthracene
Concen: 17.983 ng/ul
RT: 21.12 min Scan# 3099
Delta R.T. -0.01 min
Lab File: BM023842.D
Acq: 21 Nov 2019 22:55

Instrument :
BNA_M
ClientSampleId :
C0AB5

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.4	15.6	23.4
226	27.4	21.4	32.2

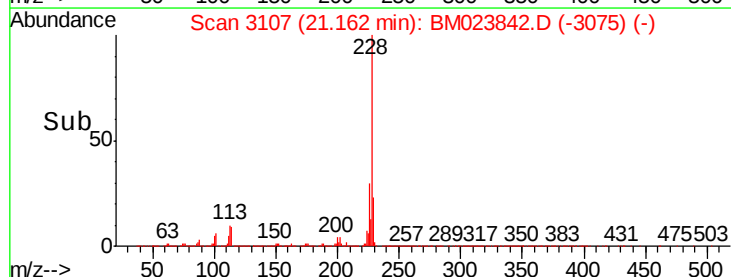
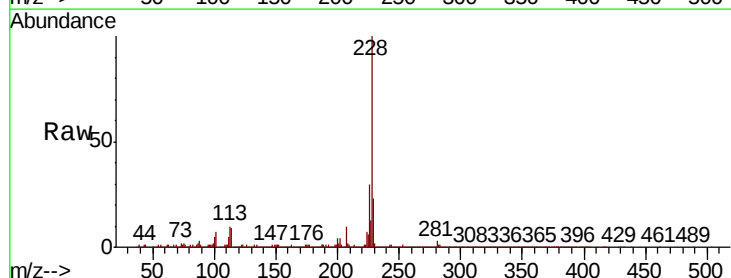
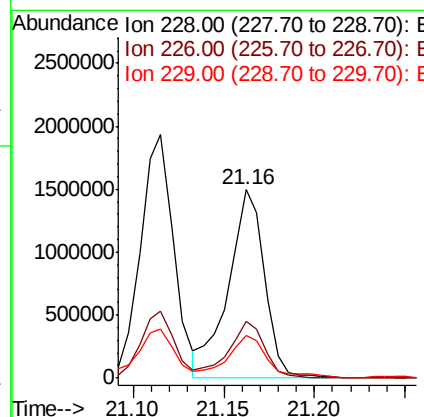
Manual Integrations
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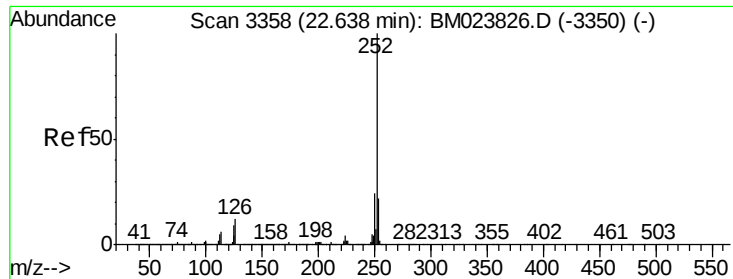
mohammad
11/22/2019 1:22:57 PM



#85
Chrysene
Concen: 16.052 ng/ul
RT: 21.16 min Scan# 3107
Delta R.T. -0.01 min
Lab File: BM023842.D
Acq: 21 Nov 2019 22:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.8
229	22.8	15.8	23.6





#88

Benzo(b)fluoranthene

Concen: 16.866 ng/ul

RT: 22.64 min Scan# 3359

Delta R.T. -0.01 min

Lab File: BM023842.D

Acq: 21 Nov 2019 22:55

Instrument :

BNA_M

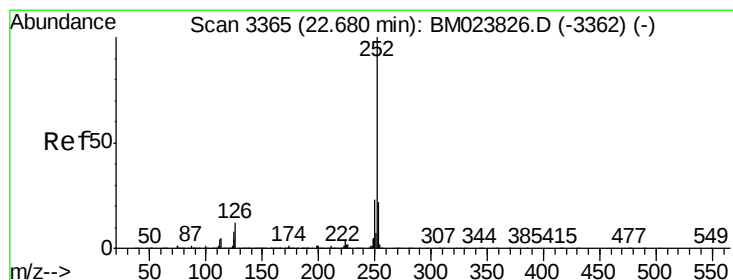
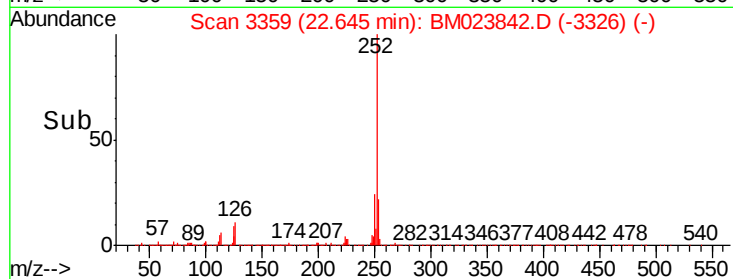
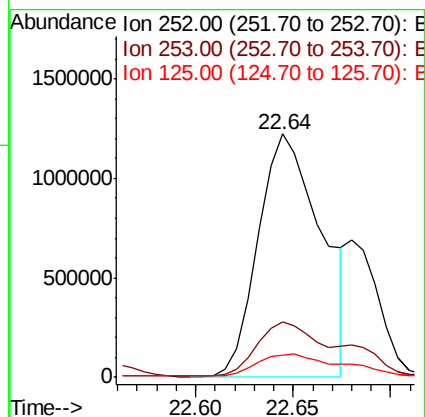
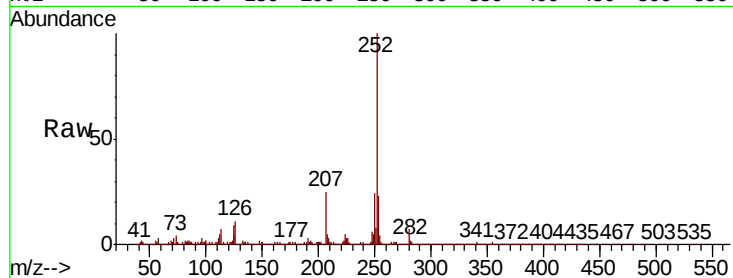
ClientSampleId :

C0AB5

Tot Ion:	252	Resp:	2728365
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.8	26.8
125	9.3	6.5	9.7

Manual Integrations
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#89

Benzo(k)fluoranthene

Concen: 4.808 ng/ul m

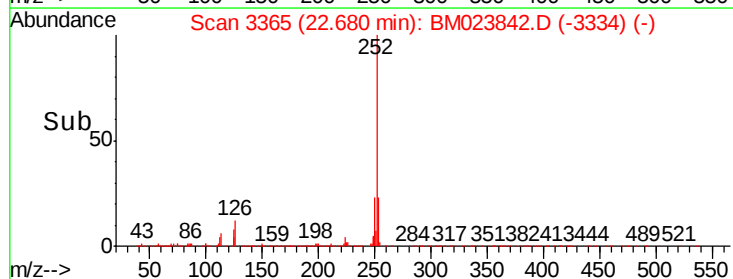
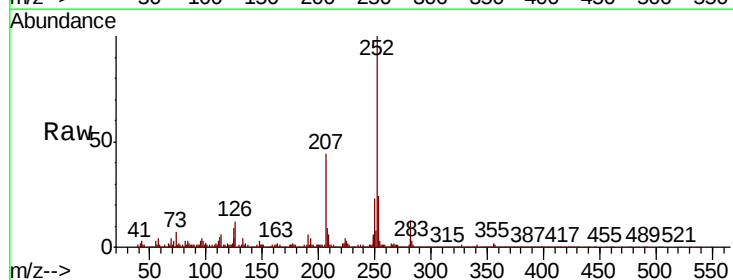
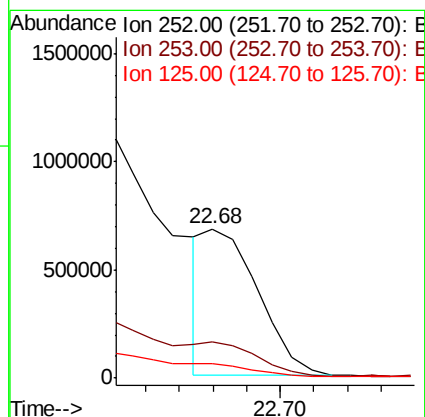
RT: 22.68 min Scan# 3365

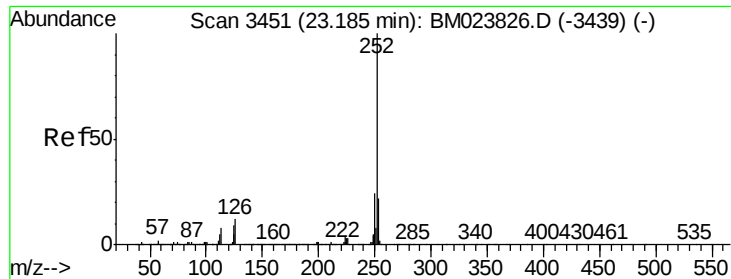
Delta R.T. -0.02 min

Lab File: BM023842.D

Acq: 21 Nov 2019 22:55

Tgt Ion:	252	Resp:	749330
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.2	25.8
125	9.4	5.9	8.9#





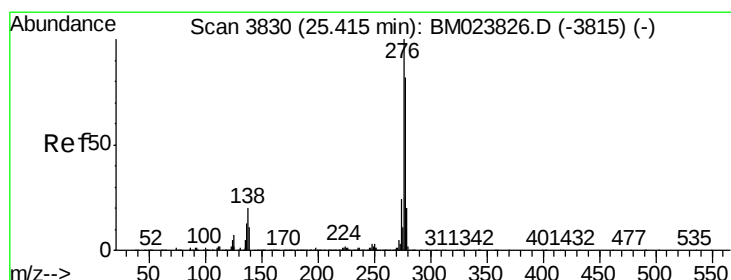
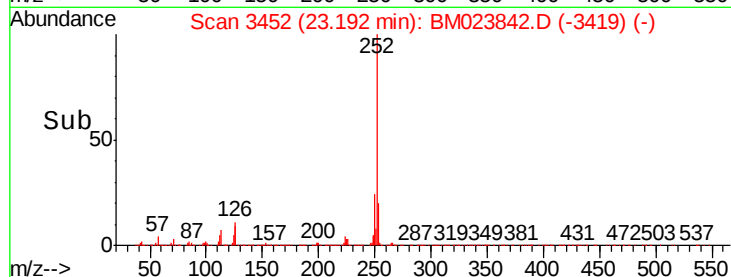
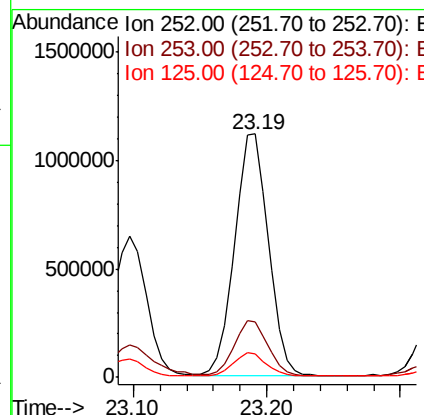
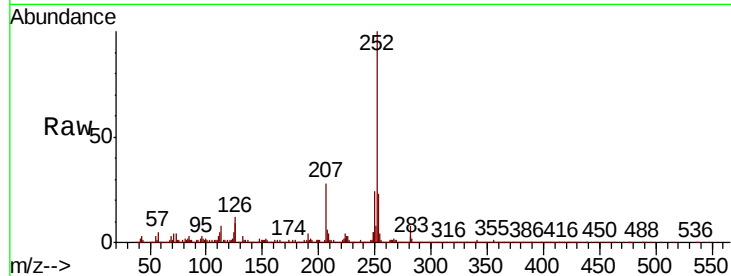
#91
Benzo(a)pyrene
Concen: 13.330 ng/ul
RT: 23.19 min Scan# 3452
Delta R.T. -0.01 min
Lab File: BM023842.D
Acq: 21 Nov 2019 22:55

Instrument :
BNA_M
ClientSampled :
C0AB5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.3	25.9
125	9.5	6.9	10.3

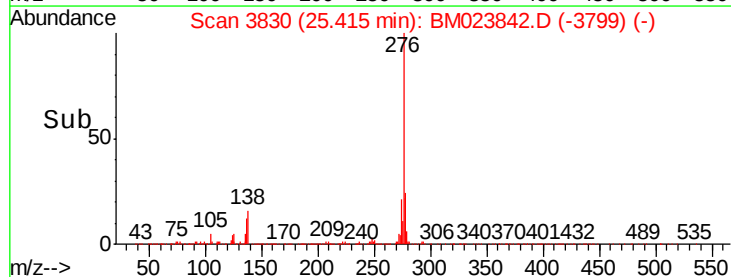
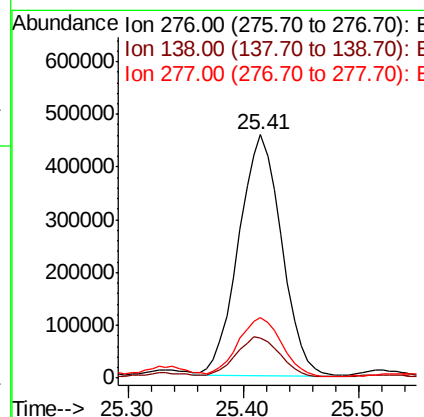
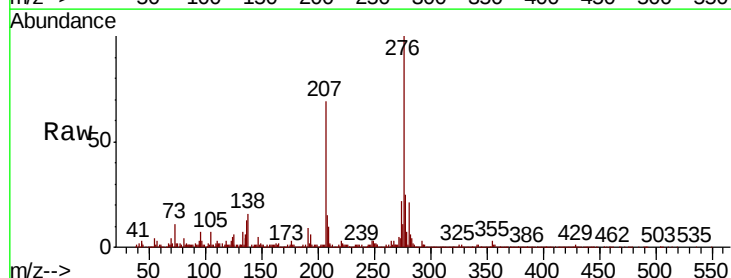
Manual Integrations
APPROVED

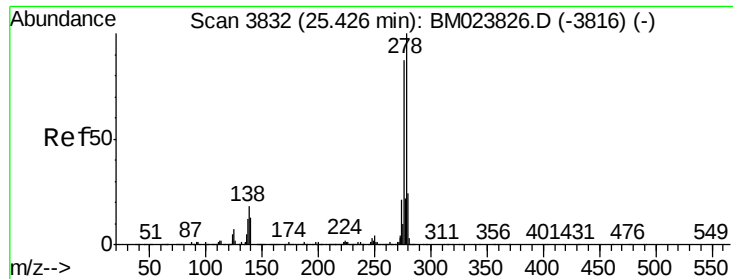
mohammad
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#92
Indeno(1,2,3-cd)pyrene
Concen: 7.479 ng/ul
RT: 25.41 min Scan# 3830
Delta R.T. -0.02 min
Lab File: BM023842.D
Acq: 21 Nov 2019 22:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.2	15.0	22.4
277	24.8	20.0	30.0





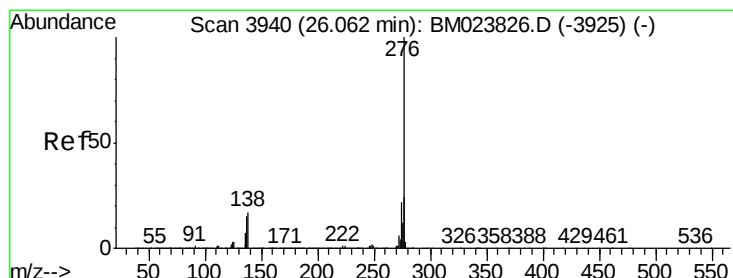
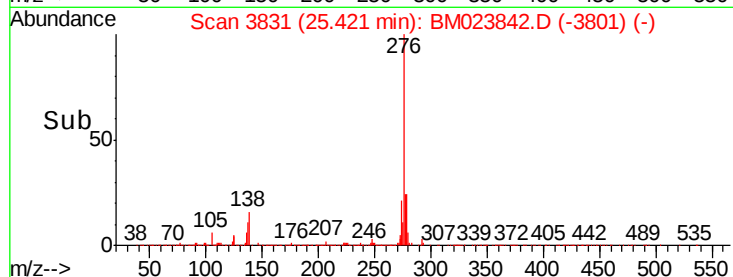
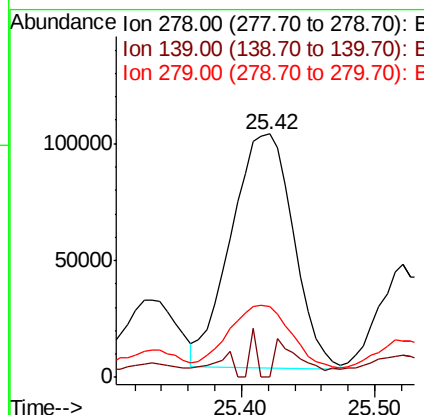
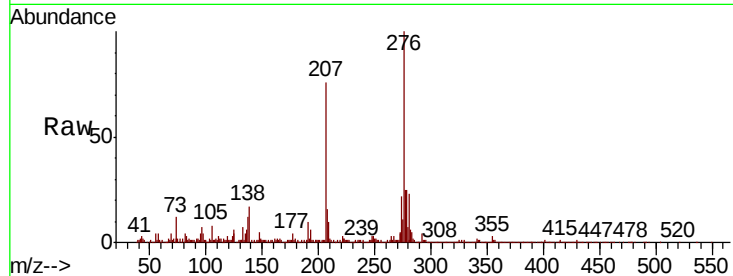
#93
Dibenzo(a,h)anthracene
Concen: 2.418 ng/ul
RT: 25.42 min Scan# 3831
Delta R.T. -0.02 min
Lab File: BM023842.D
Acq: 21 Nov 2019 22:55

Instrument :
BNA_M
ClientSampleId :
C0AB5

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	10.0	15.0#
279	28.9	19.0	28.6#

Manual Integrations
APPROVED

mohammad
11/22/2019 1:22:57 PM



#94
Benzo(g,h,i)perylene
Concen: 8.338 ng/ul
RT: 26.07 min Scan# 3941
Delta R.T. -0.02 min
Lab File: BM023842.D
Acq: 21 Nov 2019 22:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.6	13.2	19.8
277	24.6	18.6	28.0

