

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM112219\
 Data File : BM023872.D
 Acq On : 23 Nov 2019 00:22
 Operator : JU
 Sample : K5854-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AB8

Manual Integrations
 APPROVED

mohammad
 11/25/2019 8:20:48 AM

Quant Time: Nov 25 01:03:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM11119MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 23 05:21:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	363399	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	1489994	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.17	164	932588	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.92	188	2006486	20.00	ng/ul	0.00
78) Chrysene-d12	21.13	240	1886454	20.00	ng/ul	0.00
86) Perylene-d12	23.28	264	2310435	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.05	96	25091	2.85	ng/uL	0.00
5) Phenol-d5	6.70	99	526951	15.91	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	309711	16.27	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	432736	18.03	ng/ul	0.00
13) 4-Methylphenol-d8	8.22	113	374196	14.16	ng/ul	0.00
19) Nitrobenzene-d5	8.66	128	203315	19.06	ng/ul	0.00
22) 2-Nitrophenol-d4	9.37	143	234051	20.88	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.92	165	424037	16.59	ng/ul	0.00
29) 4-Chloroaniline-d4	10.43	131	390116	13.90	ng/ul	0.00
44) Dimethylphthalate-d6	13.59	166	1310506	18.02	ng/ul	0.00
47) Acenaphthylene-d8	13.86	160	1598423	19.26	ng/ul	0.00
52) 4-Nitrophenol-d4	14.41	143	133165	10.73	ng/ul	0.01
58) Fluorene-d10	15.17	176	1192382	18.57	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.30	200	79925	6.89	ng/ul	0.00
71) Anthracene-d10	17.02	188	1868560	19.63	ng/ul	0.00
79) Pyrene-d10	19.33	212	2046350	20.80	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.14	264	2491146	20.49	ng/ul	0.00

Target Compounds

					Qvalue	
6) Phenol	6.72	94	145768	4.272	ng/ul	98
14) Acetophenone	8.33	105	100639	2.442	ng/ul	99
28) Naphthalene	10.33	128	138155	1.764	ng/ul	98
34) 2-Methylnaphthalene	11.96	142	112115	1.871	ng/ul	99
45) Dimethylphthalate	13.63	163	331095	4.646	ng/ul	99
70) Phenanthrene	16.96	178	1051309	9.512	ng/ul	99
72) Anthracene	17.05	178	264474	2.380	ng/ul	98
75) Carbazole	17.33	167	109912	1.186	ng/ul	94
76) Di-n-butylphthalate	17.91	149	776209	7.598	ng/ul	98
77) Fluoranthene	18.99	202	1873976	15.826	ng/ul	96
80) Pyrene	19.36	202	1599838	13.120	ng/ul	98
81) Butylbenzylphthalate	20.28	149	27058897m	700.649	ng/ul	
83) Benzo(a)anthracene	21.12	228	855632	6.876	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.06	149	671557	11.517	ng/ul	96
85) Chrysene	21.17	228	885473	7.559	ng/ul	97
87) Di-n-octyl phthalate	21.92	149	662022	5.862	ng/ul	100
88) Benzo(b)fluoranthene	22.64	252	1306345	8.870	ng/ul#	94
89) Benzo(k)fluoranthene	22.68	252	363536m	2.562	ng/ul	
91) Benzo(a)pyrene	23.19	252	879846	6.526	ng/ul#	92
92) Indeno(1,2,3-cd)pyrene	25.41	276	620442	4.303	ng/ul	98
93) Dibenzo(a,h)anthracene	25.41	278	169849	1.396	ng/ul#	85
94) Benzo(g,h,i)perylene	26.06	276	639019	5.470	ng/ul	97

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM112219\
Data File : BM023872.D
Acq On : 23 Nov 2019 00:22
Operator : JU
Sample : K5854-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AB8

Manual Integrations
APPROVED

mohammad
11/25/2019 8:20:48 AM

Quant Time: Nov 25 01:03:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 23 05:21:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

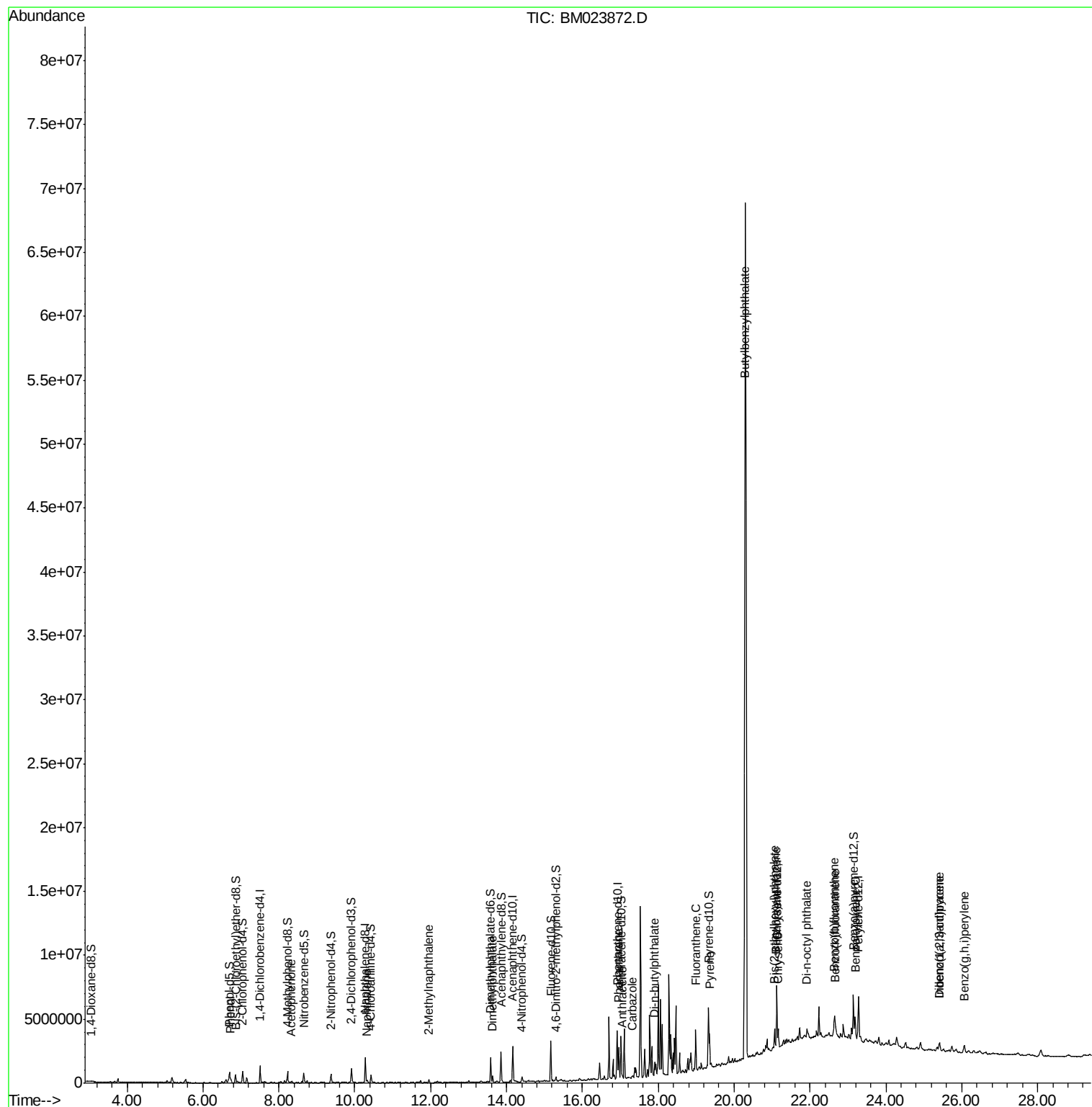
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM112219\
Data File : BM023872.D
Acq On : 23 Nov 2019 00:22
Operator : JU
Sample : K5854-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

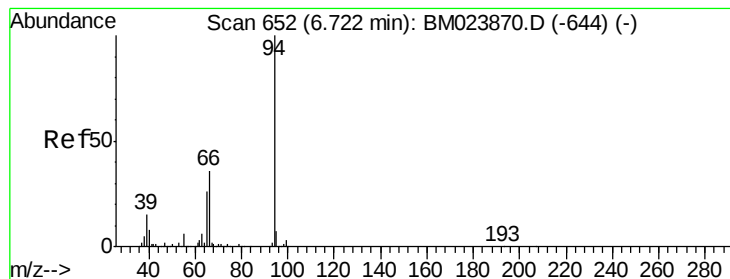
Instrument :
BNA_M
ClientSampleId :
C0AB8

Quant Time: Nov 25 01:03:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM11119MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 23 05:21:37 2019
Response via : Initial Calibration

Manual Integrations
APPROVED

mohammad
11/25/2019 8:20:48 AM





#6

Phenol

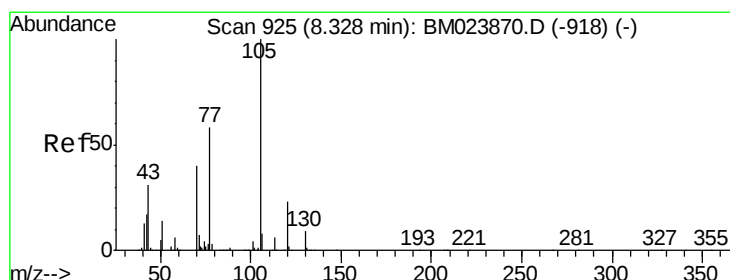
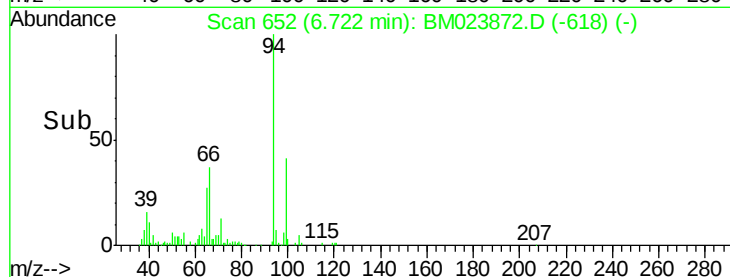
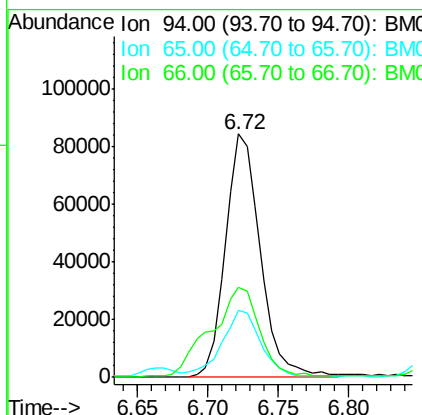
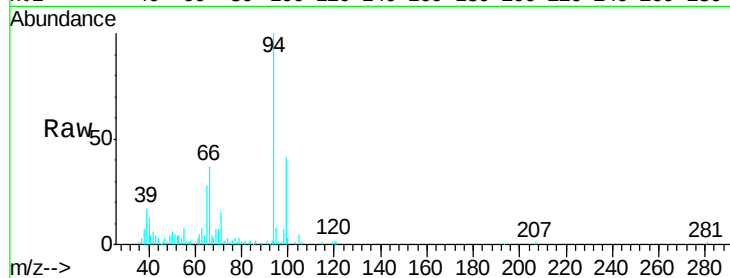
Concen: 4.272 ng/ul
 RT: 6.72 min Scan# 652
 Delta R.T. -0.00 min
 Lab File: BM023872.D
 Acq: 23 Nov 2019 00:22

Instrument :
 BNA_M
 ClientSampleId :
 C0AB8

Tgt Ion	Ratio	Lower	Upper
94	100		
65	27.8	21.4	32.2
66	36.9	30.7	46.1

Manual Integrations
 APPROVED

mohammad
 11/25/2019 8:20:48 AM

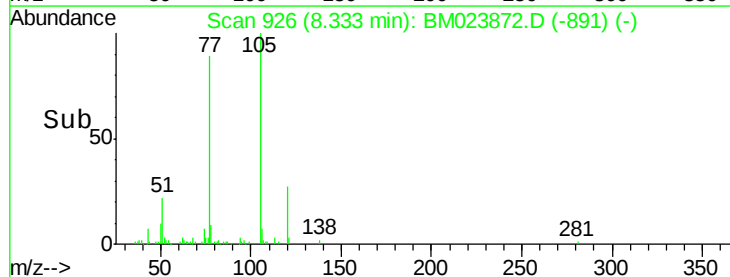
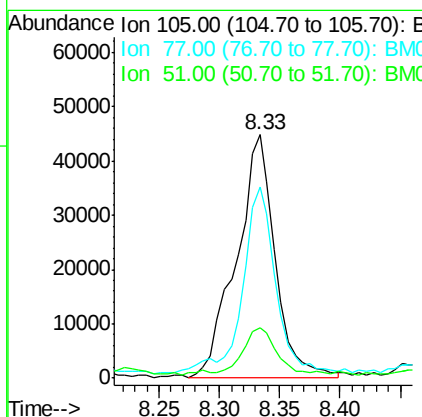
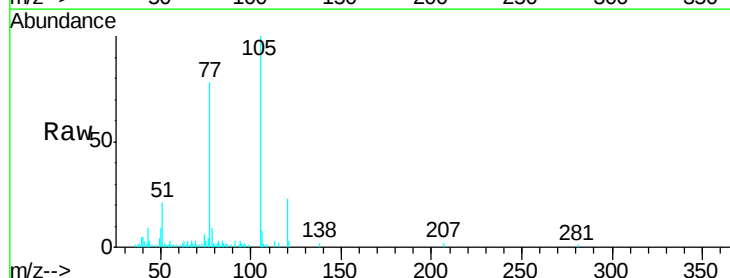


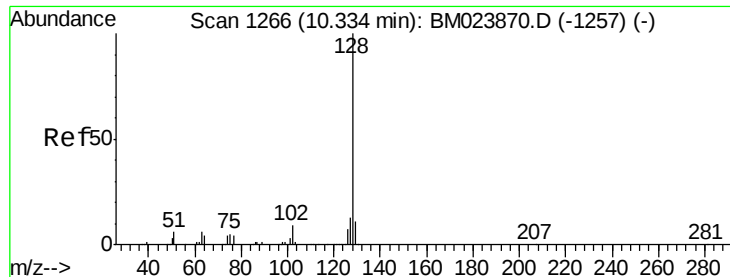
#14

Acetophenone

Concen: 2.442 ng/ul
 RT: 8.33 min Scan# 926
 Delta R.T. 0.01 min
 Lab File: BM023872.D
 Acq: 23 Nov 2019 00:22

Tgt Ion	Ratio	Lower	Upper
105	100		
77	78.5	63.8	95.6
51	20.9	16.3	24.5





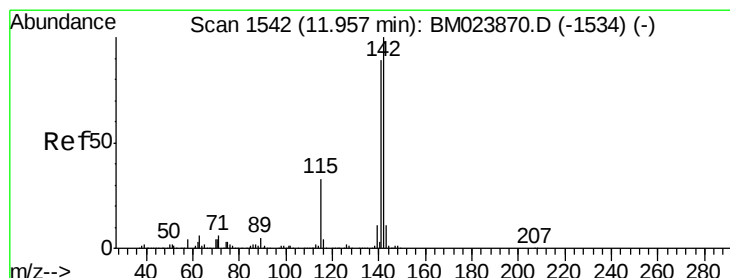
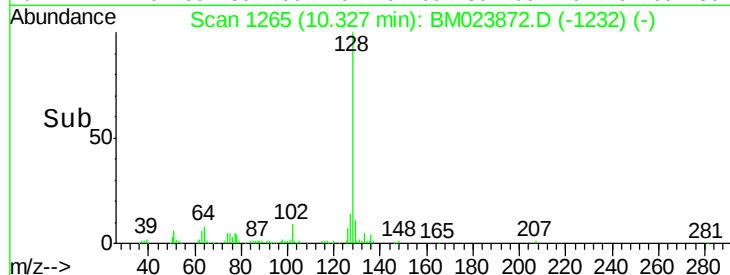
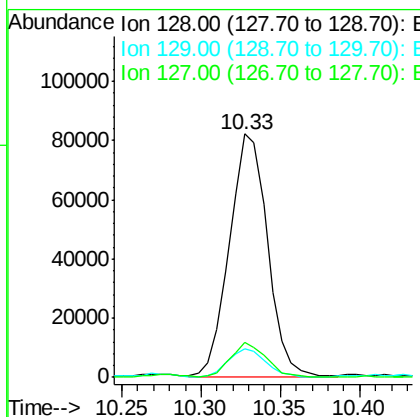
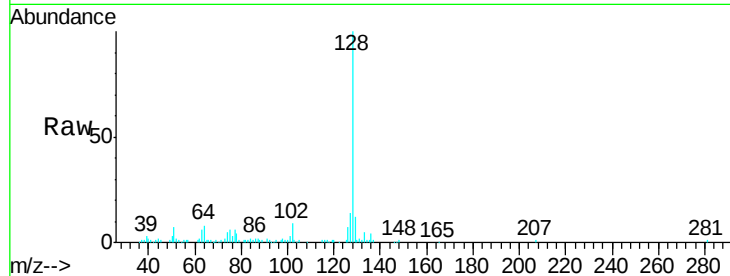
#28
Naphthalene
Concen: 1.764 ng/ul
RT: 10.33 min Scan# 1265
Delta R.T. -0.01 min
Lab File: BM023872.D
Acq: 23 Nov 2019 00:22

Instrument :
BNA_M
ClientSampleId :
C0AB8

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	11.8	8.7	13.1
127	14.1	10.6	16.0

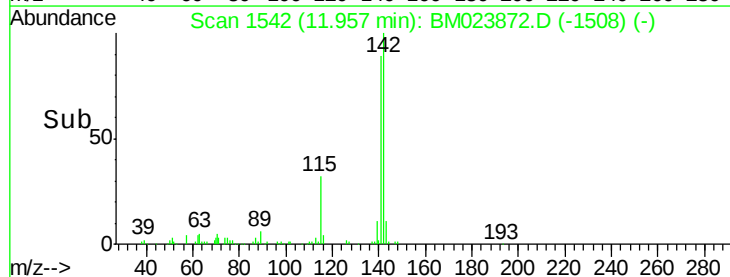
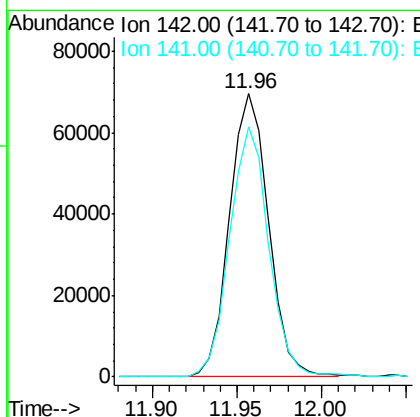
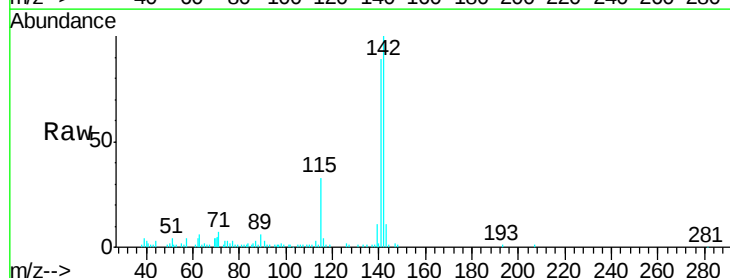
Manual Integrations
APPROVED

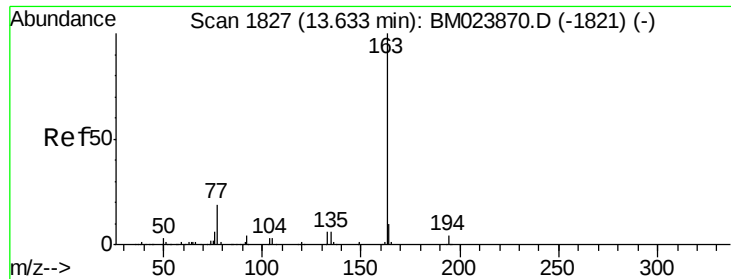
mohammad
11/25/2019 8:20:48 AM



#34
2-Methylnaphthalene
Concen: 1.871 ng/ul
RT: 11.96 min Scan# 1542
Delta R.T. -0.00 min
Lab File: BM023872.D
Acq: 23 Nov 2019 00:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
142	100		
141	88.5	69.8	104.8





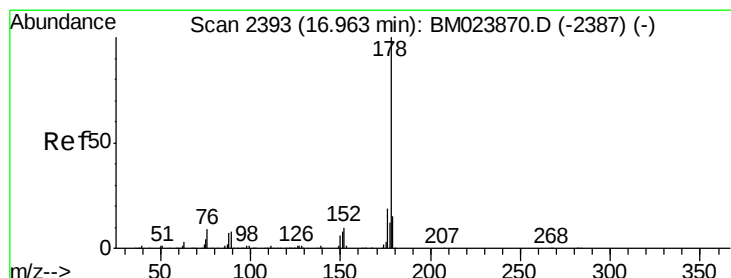
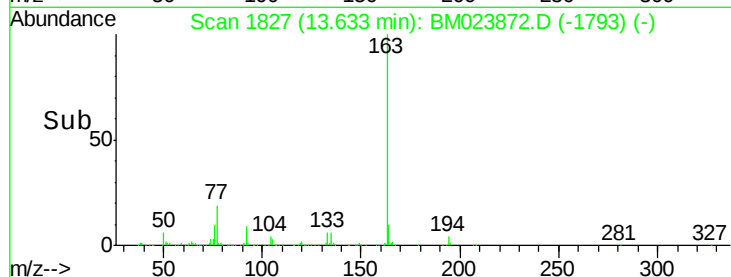
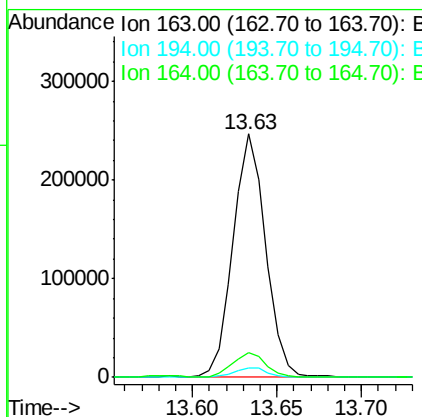
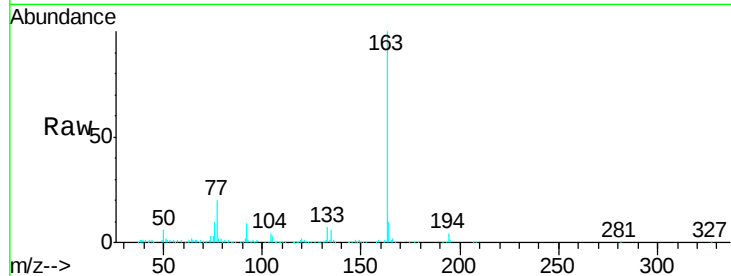
#45
Dimethylphthalate
Concen: 4.646 ng/ul
RT: 13.63 min Scan# 1827
Delta R.T. -0.00 min
Lab File: BM023872.D
Acq: 23 Nov 2019 00:22

Instrument :
BNA_M
ClientSampleId :
C0AB8

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	331095		
194	4.1		3.4	5.2
164	10.2		8.0	12.0

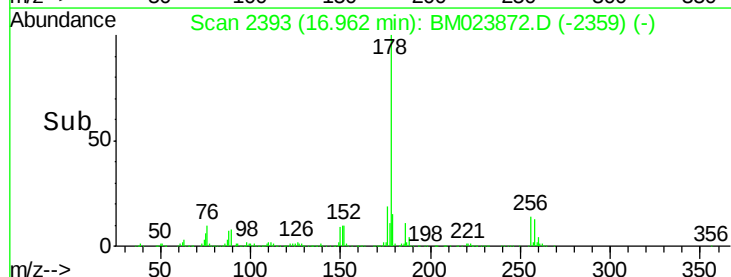
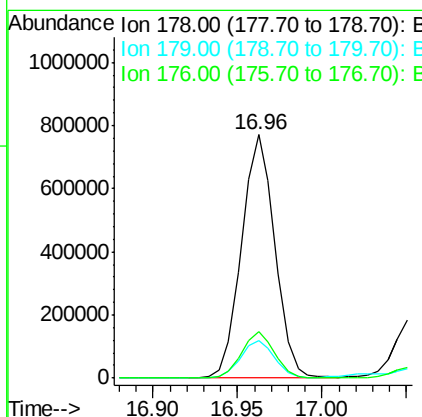
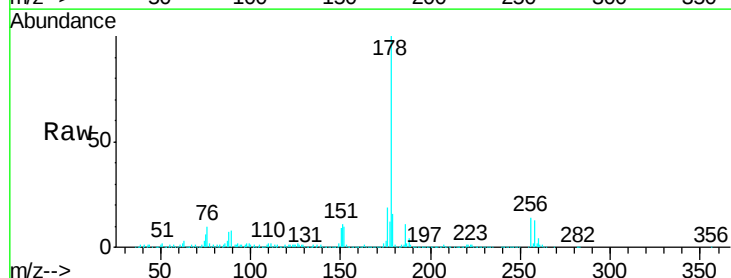
Manual Integrations
APPROVED

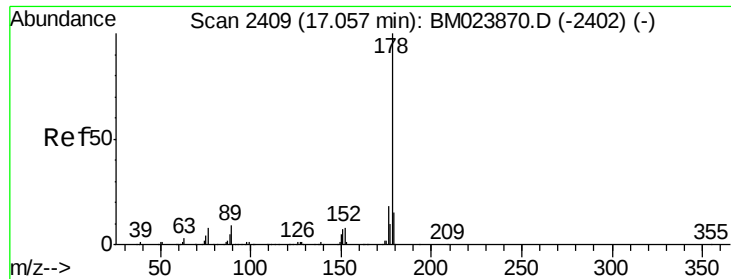
mohammad
11/25/2019 8:20:48 AM



#70
Phenanthrene
Concen: 9.512 ng/ul
RT: 16.96 min Scan# 2393
Delta R.T. -0.00 min
Lab File: BM023872.D
Acq: 23 Nov 2019 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1051309		
179	15.6		12.3	18.5
176	19.4		15.0	22.6





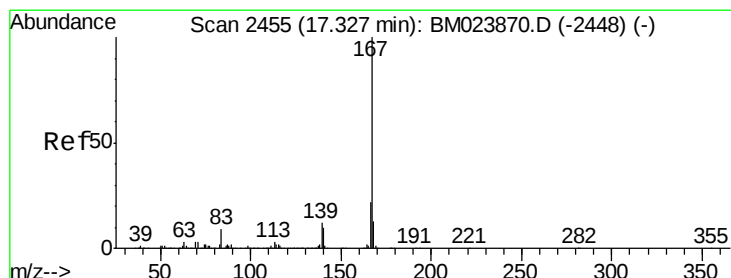
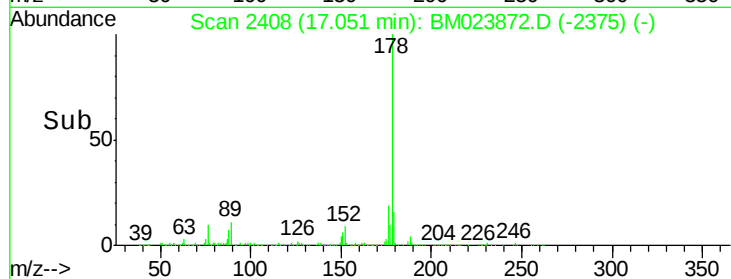
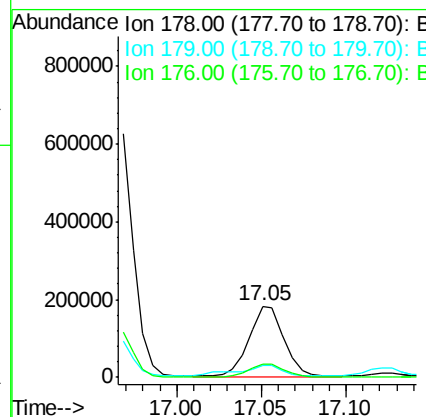
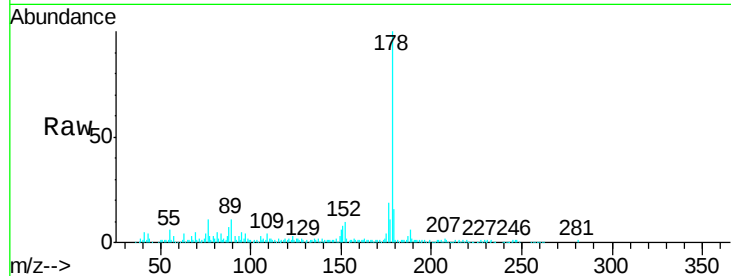
#72
 Anthracene
 Concen: 2.380 ng/ul
 RT: 17.05 min Scan# 2408
 Delta R.T. -0.01 min
 Lab File: BM023872.D
 Acq: 23 Nov 2019 00:22

Instrument :
 BNA_M
 ClientSampleId :
 C0AB8

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.5	12.3	18.5
176	19.1	14.7	22.1

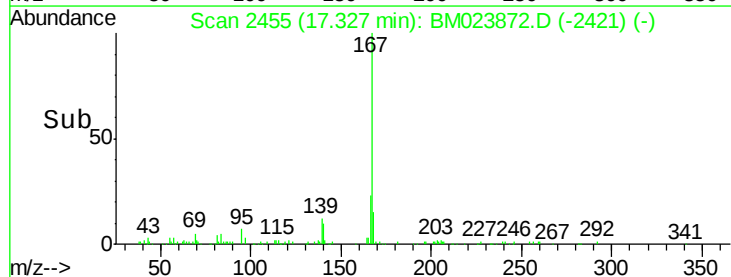
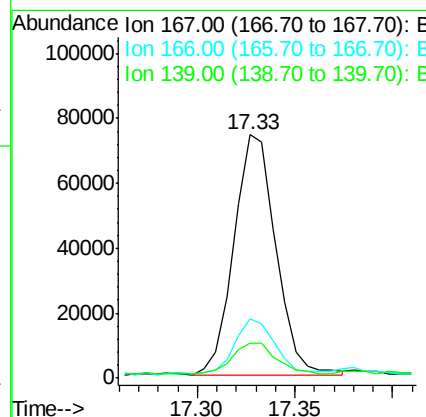
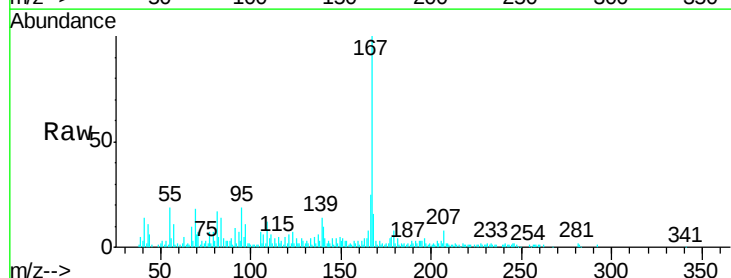
Manual Integrations
 APPROVED

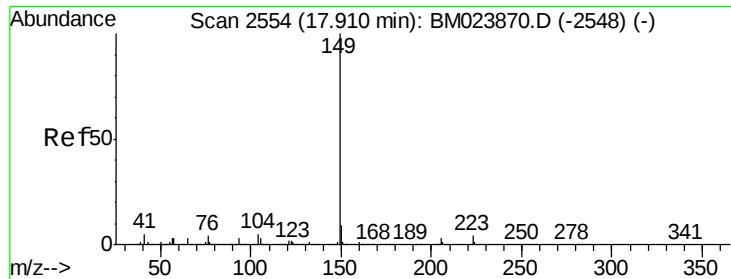
mohammad
 11/25/2019 8:20:48 AM



#75
 Carbazole
 Concen: 1.186 ng/ul
 RT: 17.33 min Scan# 2455
 Delta R.T. -0.00 min
 Lab File: BM023872.D
 Acq: 23 Nov 2019 00:22

Tgt Ion	Ratio	Lower	Upper
167	100		
166	24.6	17.1	25.7
139	14.2	9.8	14.6





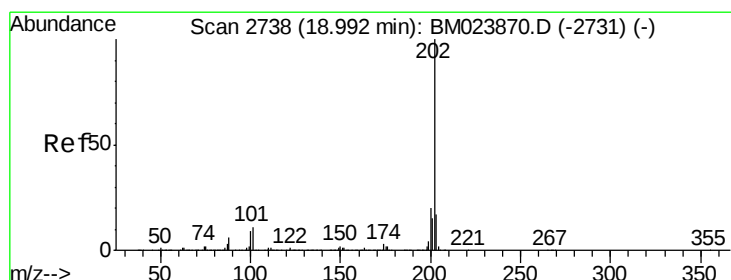
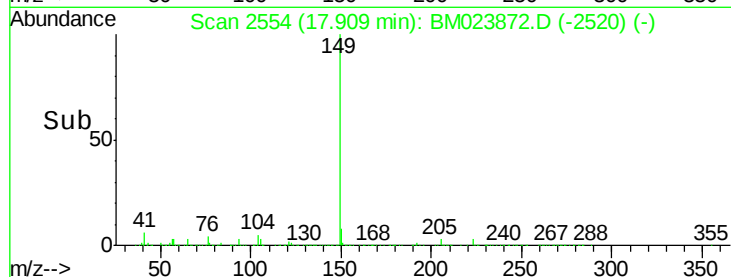
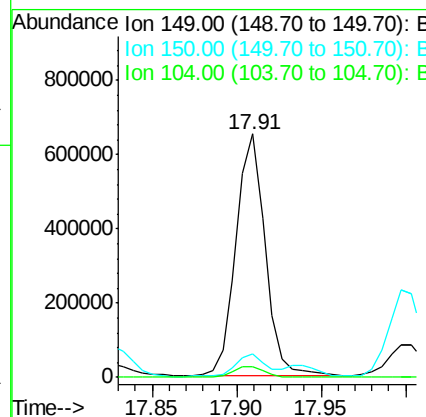
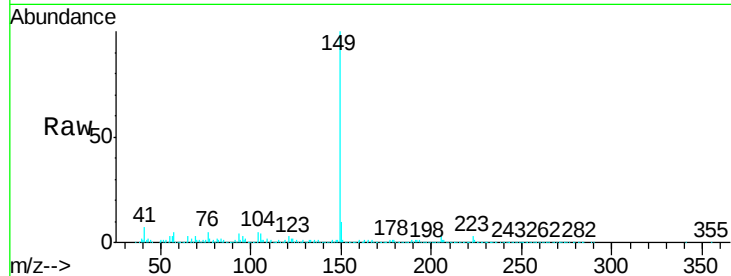
#76
Di-n-butylphthalate
Concen: 7.598 ng/ul
RT: 17.91 min Scan# 2554
Delta R.T. -0.00 min
Lab File: BM023872.D
Acq: 23 Nov 2019 00:22

Instrument :
BNA_M
ClientSampleId :
C0AB8

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	776209		
150	9.7		7.1	10.7
104	4.6		4.2	6.2

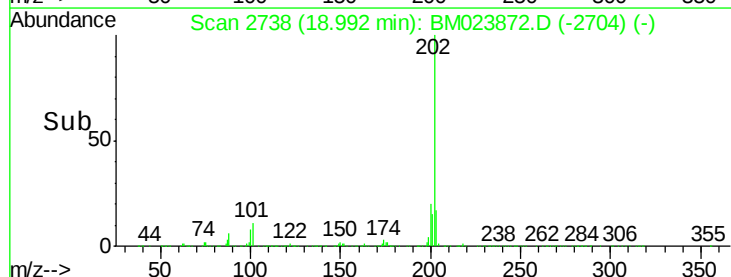
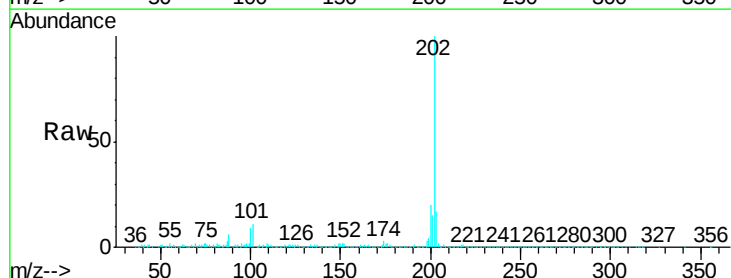
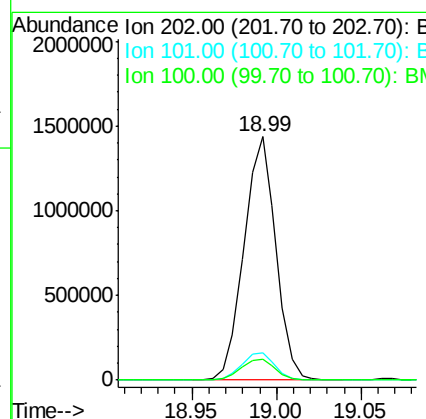
Manual Integrations
APPROVED

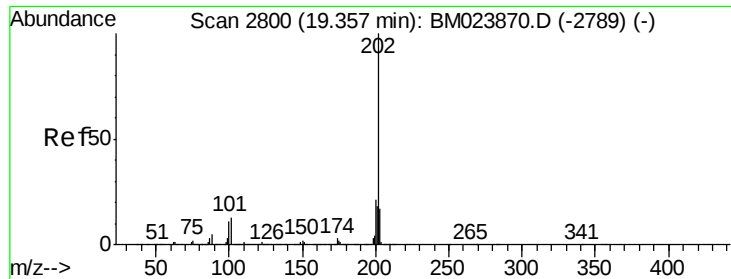
mohammad
11/25/2019 8:20:48 AM



#77
Fluoranthene
Concen: 15.826 ng/ul
RT: 18.99 min Scan# 2738
Delta R.T. -0.00 min
Lab File: BM023872.D
Acq: 23 Nov 2019 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1873976		
101	11.4		7.7	11.5
100	8.5		6.0	9.0





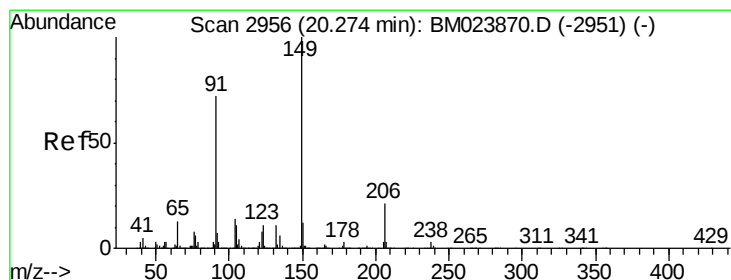
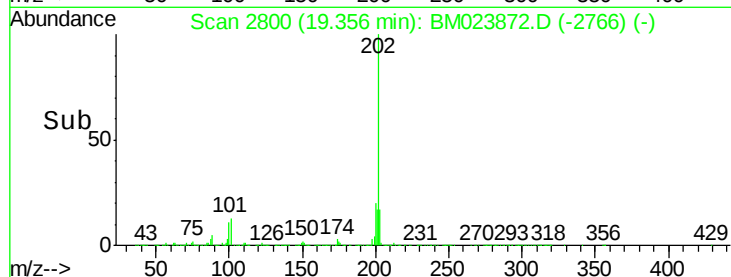
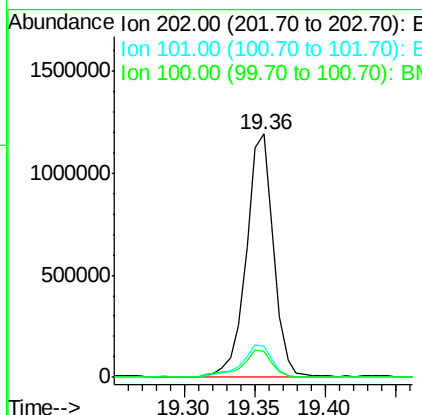
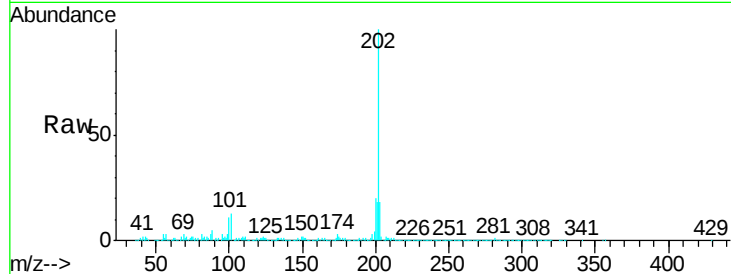
#80
 Pyrene
 Concen: 13.120 ng/ul
 RT: 19.36 min Scan# 2800
 Delta R.T. -0.00 min
 Lab File: BM023872.D
 Acq: 23 Nov 2019 00:22

Instrument :
 BNA_M
 ClientSampleId :
 C0AB8

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.9	9.8	14.6
100	10.8	8.1	12.1

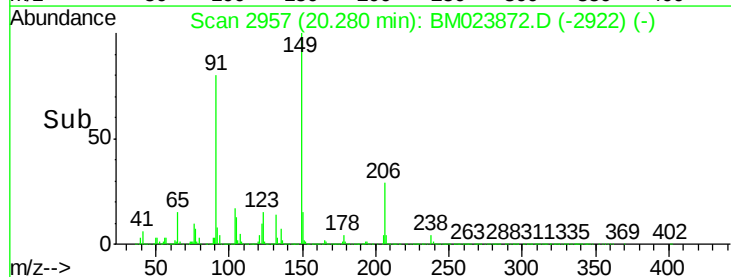
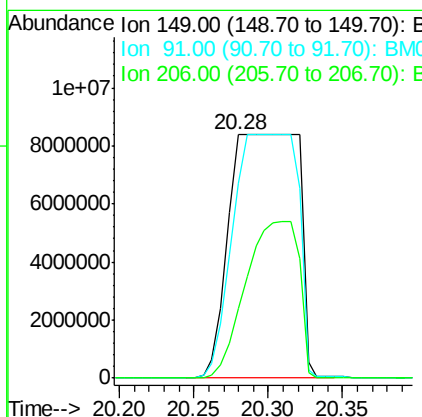
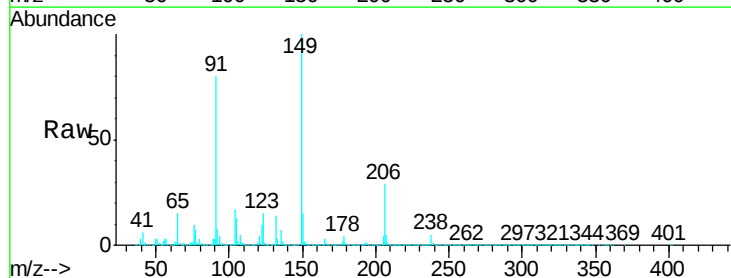
Manual Integrations
 APPROVED

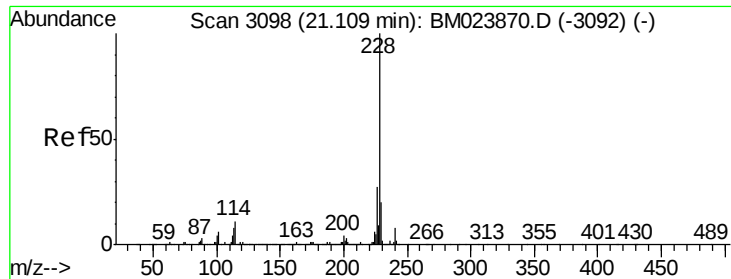
mohammad
 11/25/2019 8:20:48 AM



#81
 Butylbenzylphthalate
 Concen: 700.649 ng/ul m
 RT: 20.28 min Scan# 2957
 Delta R.T. 0.01 min
 Lab File: BM023872.D
 Acq: 23 Nov 2019 00:22

Tgt Ion	Ratio	Lower	Upper
149	100		
91	80.3	54.9	82.3
206	28.6	19.3	28.9





#83

Benzo(a)anthracene

Concen: 6.876 ng/ul

RT: 21.12 min Scan# 3099

Delta R.T. 0.01 min

Lab File: BM023872.D

Acq: 23 Nov 2019 00:22

Instrument :

BNA_M

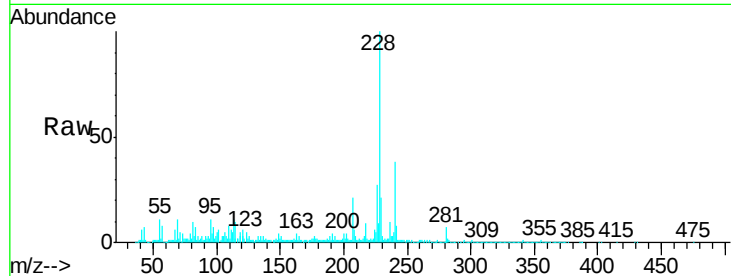
ClientSampled :

C0AB8

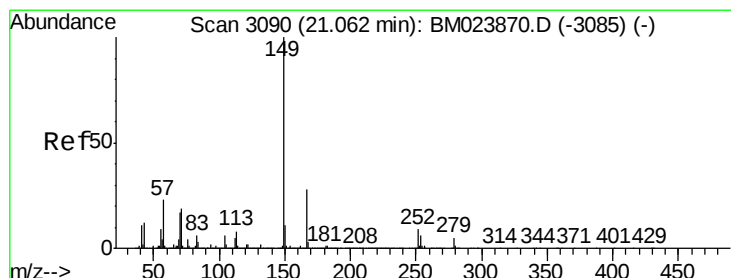
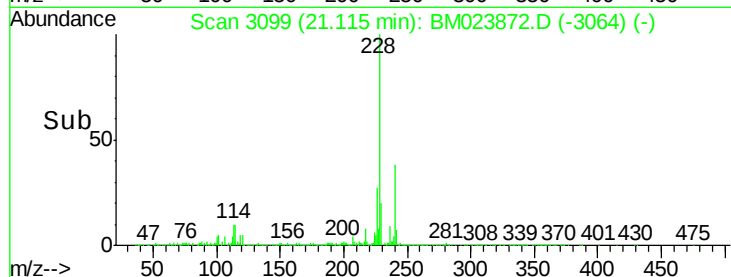
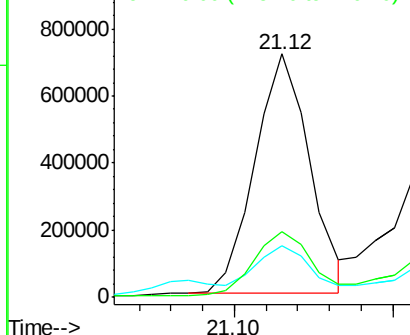
Tgt Ion:	228	Resp:	855632
Ion Ratio	Lower	Upper	
228	100		
229	21.3	15.6	23.4
226	27.1	21.4	32.2

Manual Integrations
APPROVED

mohammad
11/25/2019 8:20:48 AM



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: 11.517 ng/ul

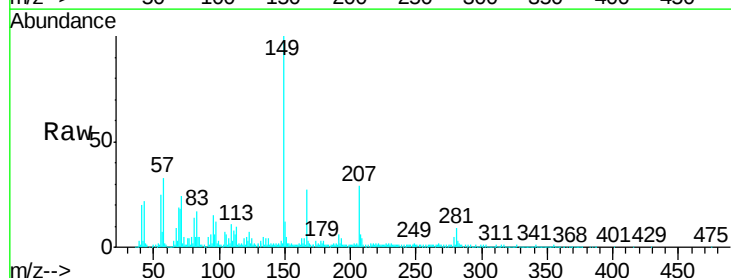
RT: 21.06 min Scan# 3090

Delta R.T. -0.00 min

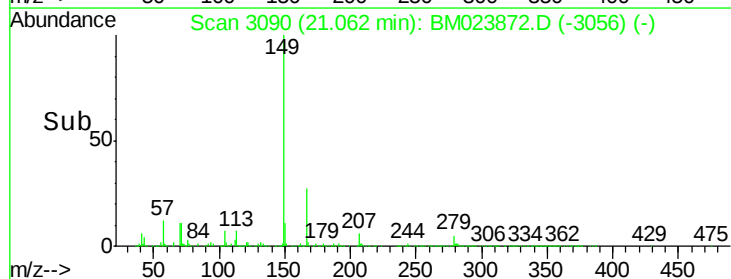
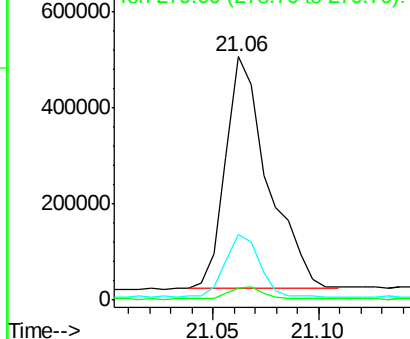
Lab File: BM023872.D

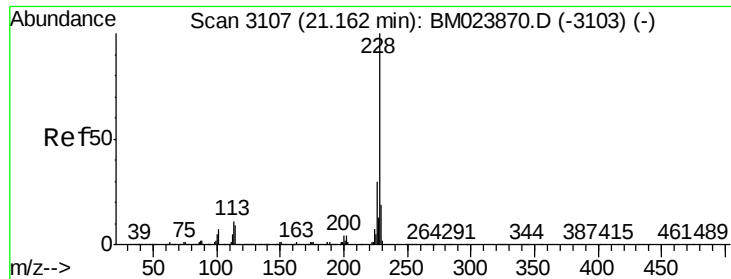
Acq: 23 Nov 2019 00:22

Tgt Ion:	149	Resp:	671557
Ion Ratio	Lower	Upper	
149	100		
167	26.8	23.4	35.2
279	5.1	5.0	7.4



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#85

Chrysene

Concen: 7.559 ng/ul

RT: 21.17 min Scan# 3108

Delta R.T. 0.01 min

Lab File: BM023872.D

Acq: 23 Nov 2019 00:22

Instrument :

BNA_M

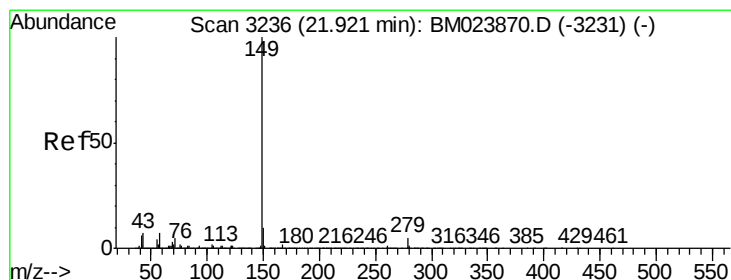
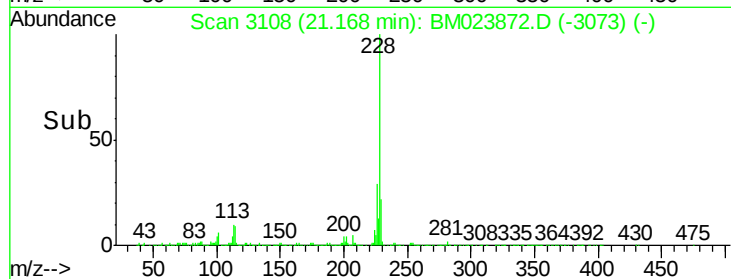
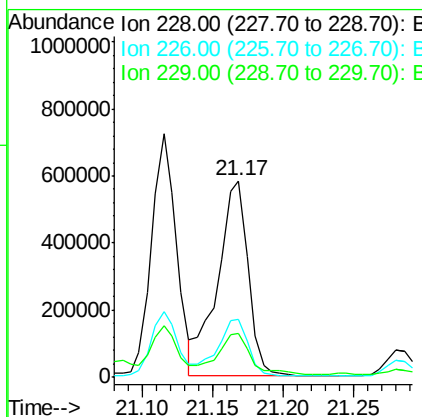
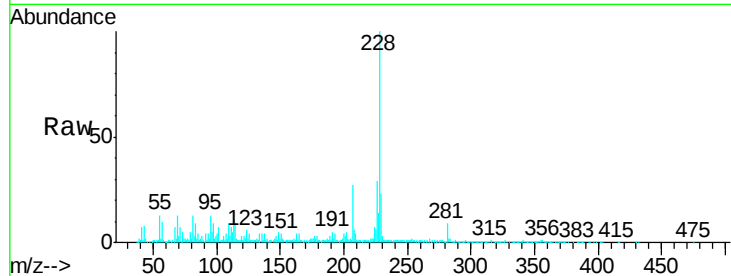
ClientSampleID :

C0AB8

Tgt Ion:	228	Resp:	885473
Ion Ratio	Lower	Upper	
228	100		
226	29.5	23.8	35.8
229	22.7	15.8	23.6

Manual Integrations
APPROVED

mohammad
11/25/2019 8:20:48 AM



#87

Di-n-octyl phthalate

Concen: 5.862 ng/ul

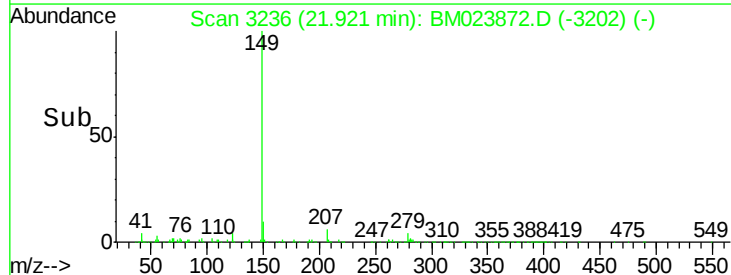
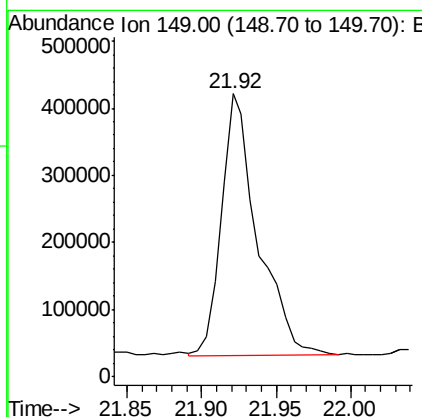
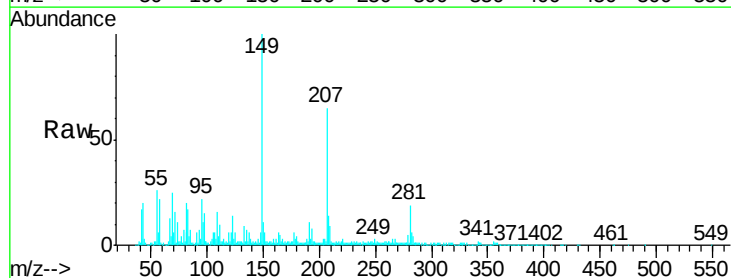
RT: 21.92 min Scan# 3236

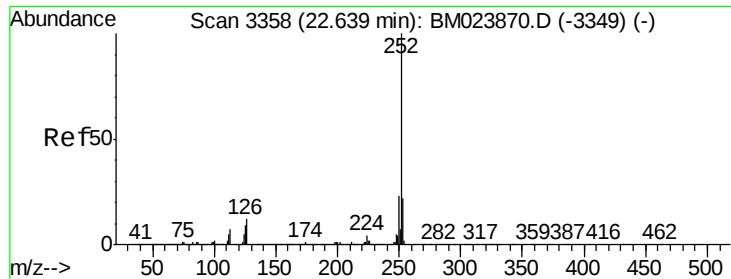
Delta R.T. -0.00 min

Lab File: BM023872.D

Acq: 23 Nov 2019 00:22

Tgt Ion:149 Resp: 662022





#88

Benzo(b)fluoranthene

Concen: 8.870 ng/ul

RT: 22.64 min Scan# 3359

Delta R.T. 0.01 min

Lab File: BM023872.D

Acq: 23 Nov 2019 00:22

Instrument :

BNA_M

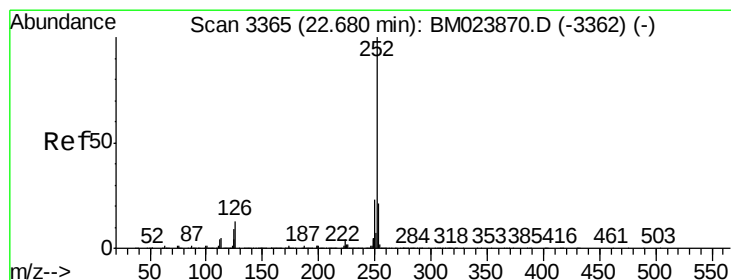
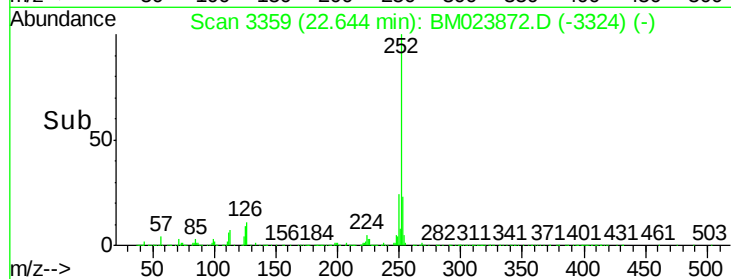
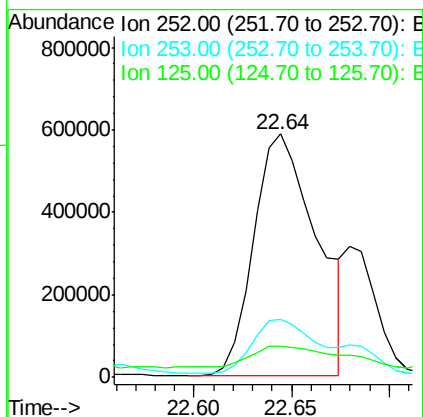
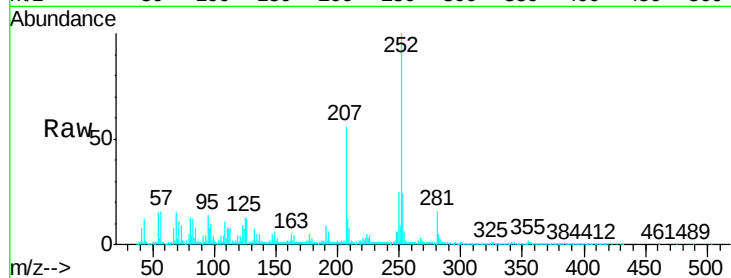
ClientSampleId :

C0AB8

Tgt Ion:	252	Resp:	1306345
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.8	26.8
125	12.7	6.5	9.7#

Manual Integrations
APPROVED

mohammad
11/25/2019 8:20:48 AM



#89

Benzo(k)fluoranthene

Concen: 2.562 ng/ul m

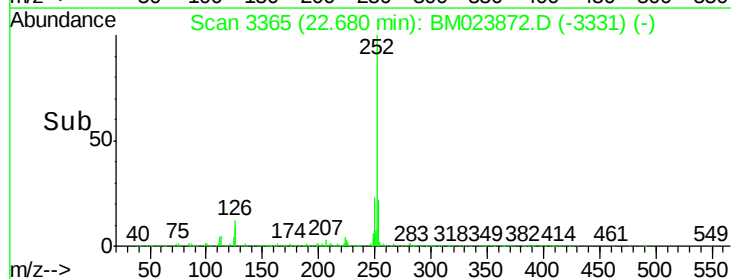
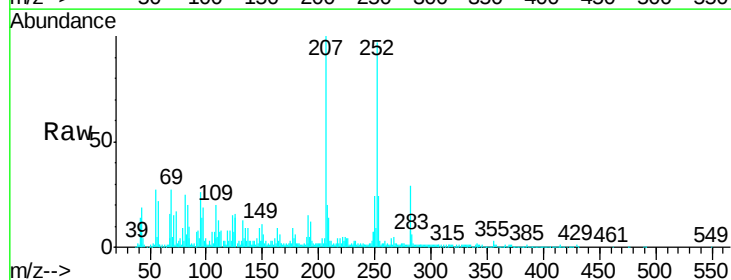
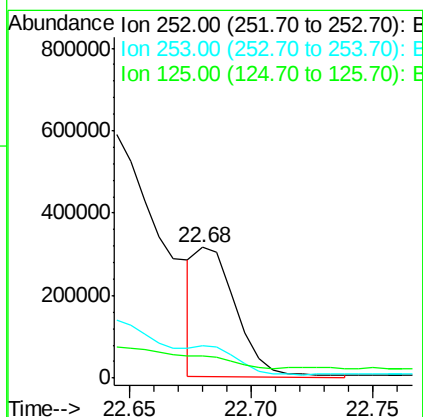
RT: 22.68 min Scan# 3365

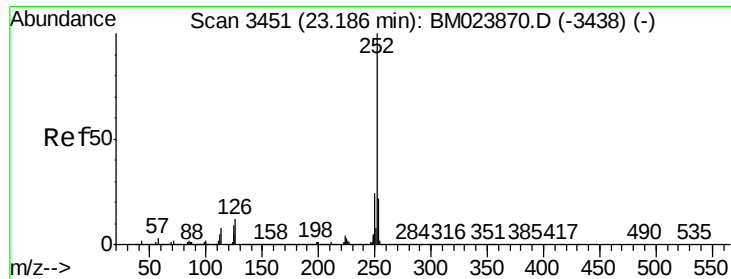
Delta R.T. -0.00 min

Lab File: BM023872.D

Acq: 23 Nov 2019 00:22

Tgt Ion:	252	Resp:	363536
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.2	25.8
125	16.8	5.9	8.9#





#91

Benzo(a)pyrene

Concen: 6.526 ng/u1

RT: 23.19 min Scan# 3451

Delta R.T. -0.00 min

Lab File: BM023872.D

Acq: 23 Nov 2019 00:22

Instrument :

BNA_M

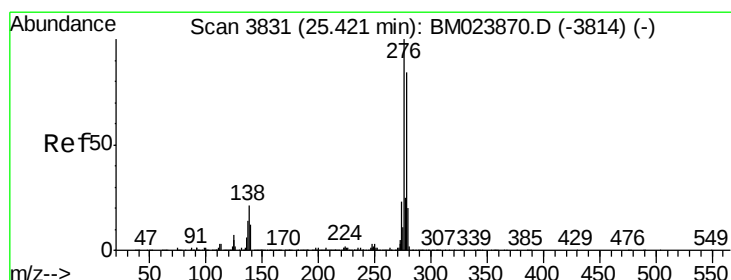
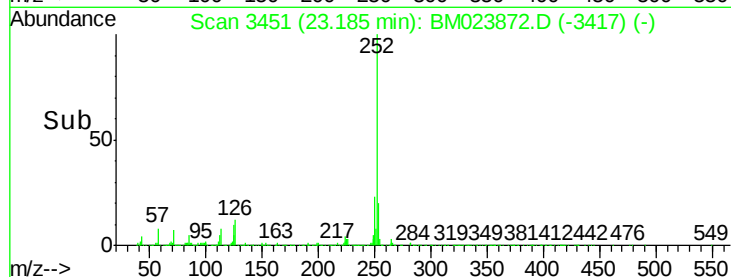
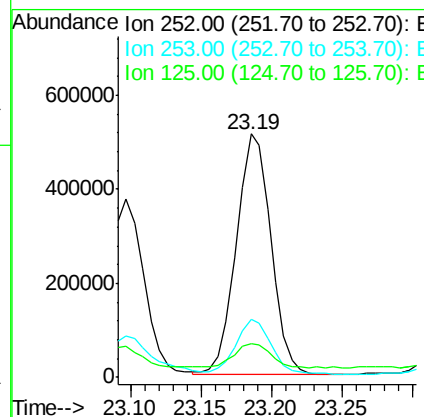
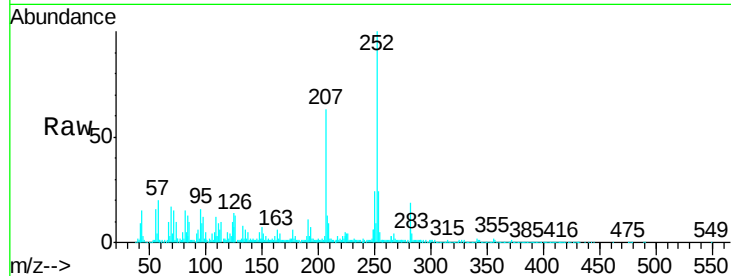
ClientSampleId :

C0AB8

Tgt Ion:	252	Resp:	879846
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.3	25.9
125	14.0	6.9	10.3#

Manual Integrations
APPROVED

mohammad
11/25/2019 8:20:48 AM



#92

Indeno(1,2,3-cd)pyrene

Concen: 4.303 ng/u1

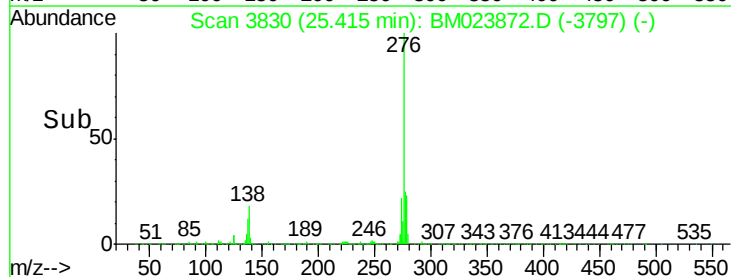
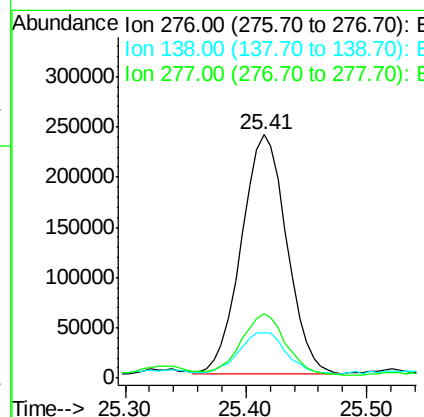
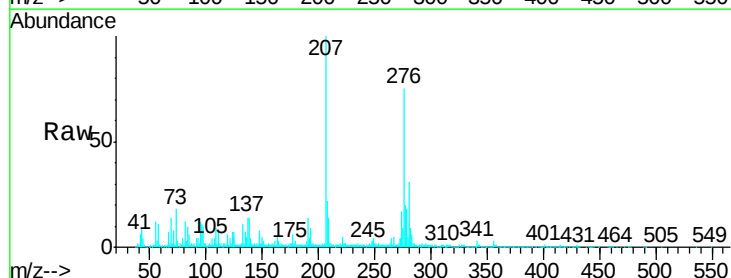
RT: 25.41 min Scan# 3830

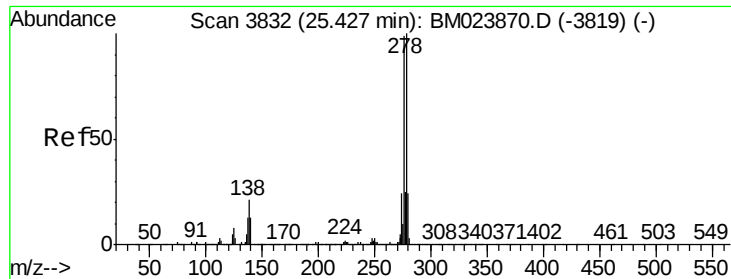
Delta R.T. -0.01 min

Lab File: BM023872.D

Acq: 23 Nov 2019 00:22

Tgt Ion:	276	Resp:	620442
Ion Ratio	Lower	Upper	
276	100		
138	18.8	15.0	22.4
277	26.2	20.0	30.0





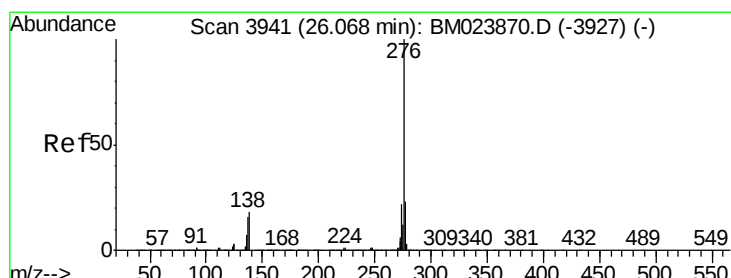
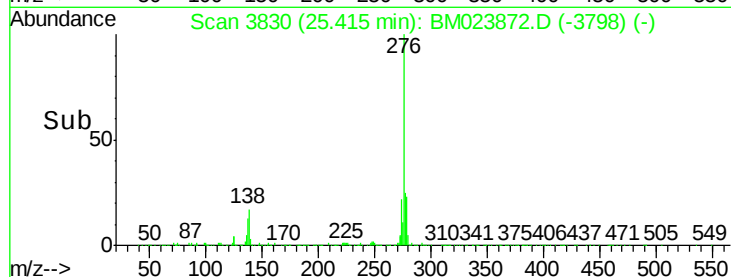
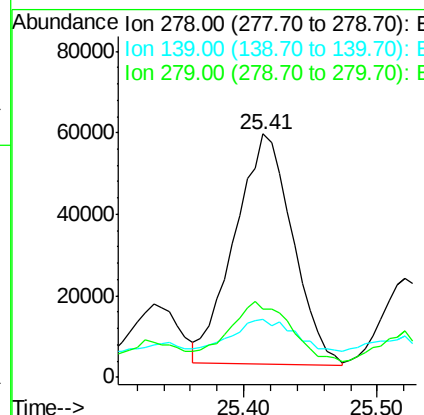
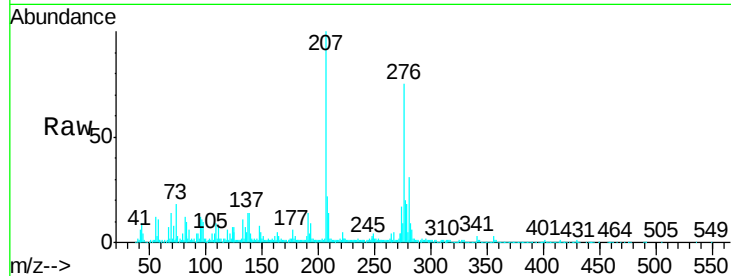
#93
Dibenzo(a,h)anthracene
Concen: 1.396 ng/ul
RT: 25.41 min Scan# 3830
Delta R.T. -0.01 min
Lab File: BM023872.D
Acq: 23 Nov 2019 00:22

Instrument :
BNA_M
ClientSampleId :
C0AB8

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.7	10.0	15.0#
279	27.8	19.0	28.6

Manual Integrations
APPROVED

mohammad
11/25/2019 8:20:48 AM



#94
Benzo(g,h,i)perylene
Concen: 5.470 ng/ul
RT: 26.06 min Scan# 3940
Delta R.T. -0.01 min
Lab File: BM023872.D
Acq: 23 Nov 2019 00:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.8	13.2	19.8
277	24.1	18.6	28.0

