

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM060120\
 Data File : BM026207.D
 Acq On : 01 Jun 2020 21:16
 Operator : JU/CG
 Sample : L2829-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C5CC9

Manual Integrations
 APPROVED

mohammad
 6/2/2020 3:21:50 PM

Quant Time: Jun 02 10:51:10 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 01 16:59:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	148378	20.00	ng/ul	0.00
18) Naphthalene-d8	10.23	136	587830	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.12	164	368267	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.88	188	757014	20.00	ng/ul	0.01
78) Chrysene-d12	21.07	240	762819	20.00	ng/ul	0.00
86) Perylene-d12	23.19	264	802336	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	25601	5.20	ng/uL	0.00
5) Phenol-d5	6.67	99	114592	8.51	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.82	67	286357	30.75	ng/ul	0.00
9) 2-Chlorophenol-d4	7.01	132	280328	26.61	ng/ul	0.00
13) 4-Methylphenol-d8	8.19	113	196872	19.41	ng/ul	0.00
19) Nitrobenzene-d5	8.62	128	173162	36.14	ng/ul	0.00
22) 2-Nitrophenol-d4	9.33	143	185547	39.14	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.87	165	313385	32.93	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	13.55	166	1024094	34.68	ng/ul	0.00
47) Acenaphthylene-d8	13.80	160	1230725	35.18	ng/ul	0.00
52) 4-Nitrophenol-d4	14.35	143	51762	9.90	ng/ul	0.00
58) Fluorene-d10	15.12	176	891110	34.69	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.26	200	196517m	44.52	ng/ul	0.00
71) Anthracene-d10	16.97	188	1382634	37.06	ng/ul	0.00
79) Pyrene-d10	19.27	212	1503274	38.36	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.05	264	1416424	33.17	ng/ul	0.00

Target Compounds

						Qvalue
16) 4-Methylphenol	8.26	108	12526	1.11	ng/ul	87
27) 2,4-Dichlorophenol	9.89	162	32834	3.33	ng/ul	90
28) Naphthalene	10.29	128	4141613	115.23	ng/ul	99
34) 2-Methylnaphthalene	11.90	142	1400798	57.95	ng/ul	98
39) 2,4,6-Trichlorophenol	12.54	196	32076	4.18	ng/ul	99
40) 2,4,5-Trichlorophenol	12.61	196	496524	58.59	ng/ul	99
41) 1,1'-Biphenyl	12.94	154	192825	5.90	ng/ul	99
45) Dimethylphthalate	13.59	163	81566	2.63	ng/ul	97
50) Acenaphthene	14.18	153	120656	4.45	ng/ul	98
54) Dibenzofuran	14.52	168	101175	2.66	ng/ul	94
56) 2,3,4,6-Tetrachlorophenol	14.76	232	471760	66.20	ng/ul#	99
59) Fluorene	15.17	166	145709	4.73	ng/ul	99
69) Pentachlorophenol	16.59	266	17900295	3279.05	ng/ul	98
70) Phenanthrene	16.92	178	343787	7.21	ng/ul	98

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

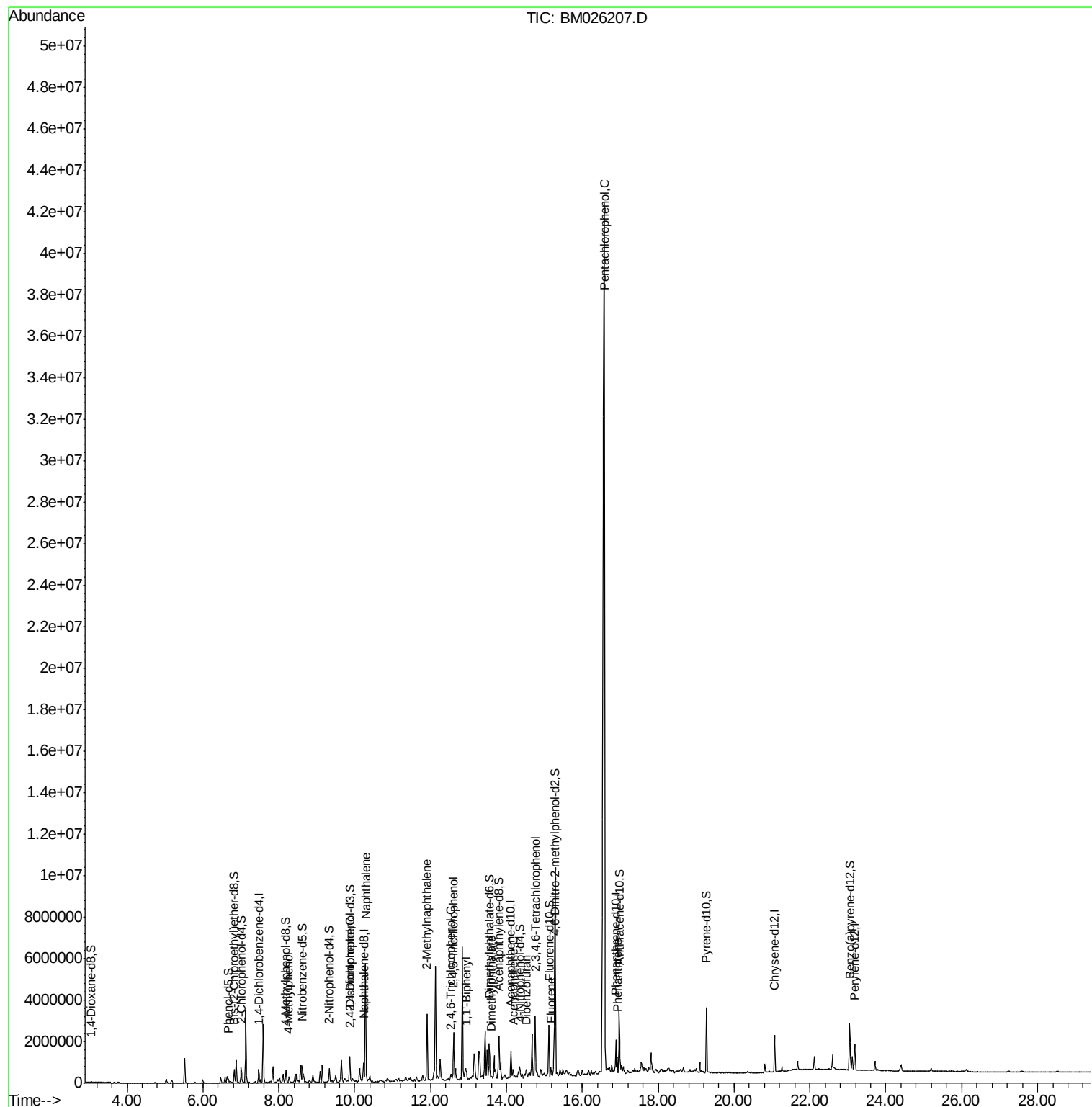
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM060120\
Data File : BM026207.D
Acq On : 01 Jun 2020 21:16
Operator : JU/CG
Sample : L2829-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

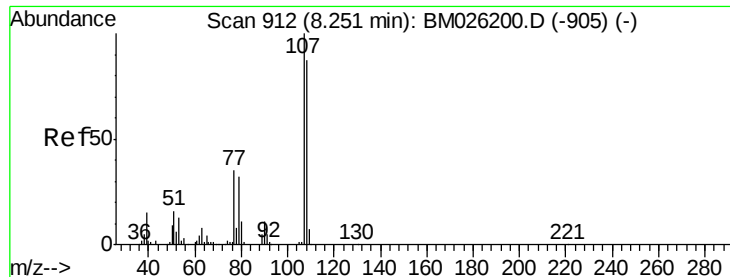
Instrument :
BNA_M
ClientSampleID :
C5CC9

Manual Integrations
APPROVED

mohammad
6/2/2020 3:21:50 PM

Quant Time: Jun 02 10:51:10 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 01 16:59:35 2020
Response via : Initial Calibration





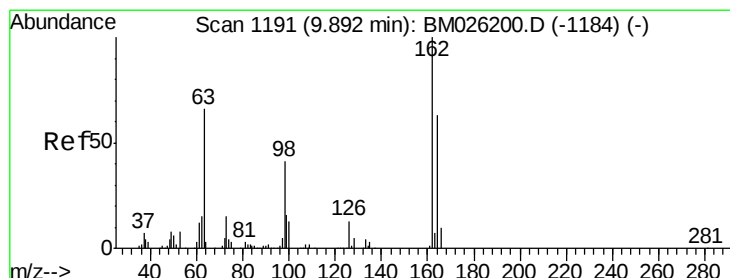
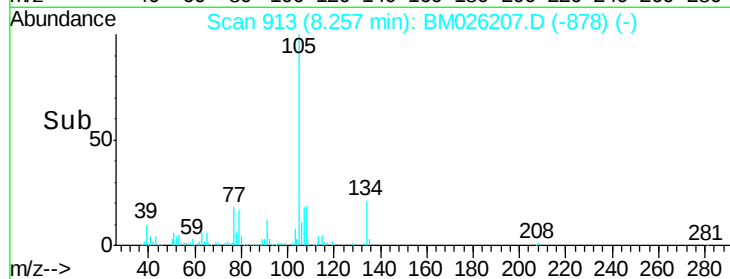
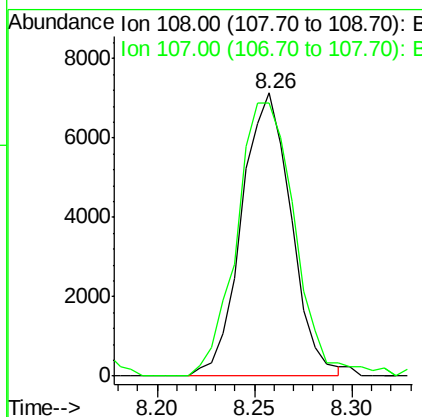
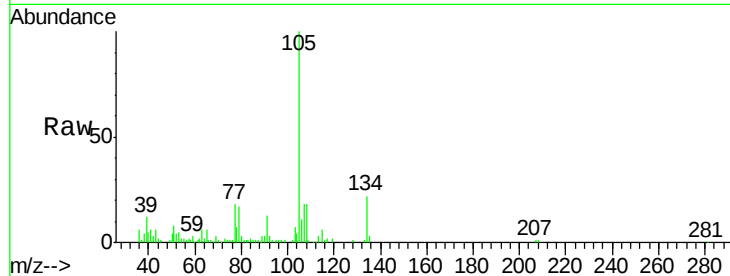
#16
4-Methylphenol
Concen: 1.11 ng/ul
RT: 8.26 min Scan# 913
Delta R.T. 0.01 min
Lab File: BM026207.D
Acq: 01 Jun 2020 21:16

Instrument :
BNA_M
ClientSampleId :
C5CC9

Tgt Ion	Ratio	Lower	Upper
108	100		
107	96.6	88.6	132.8

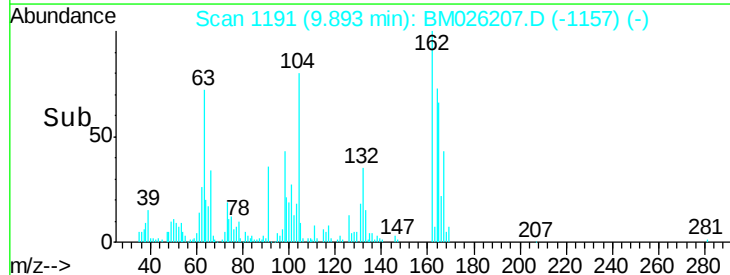
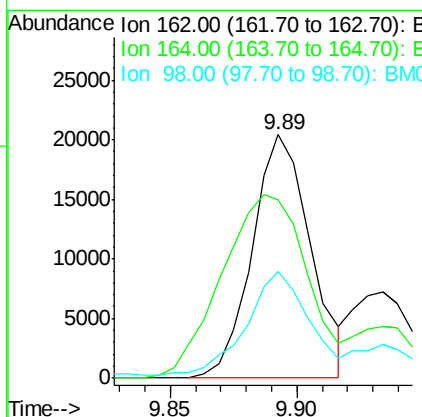
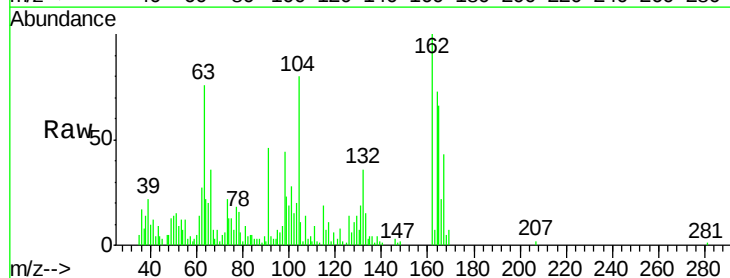
Manual Integrations
APPROVED

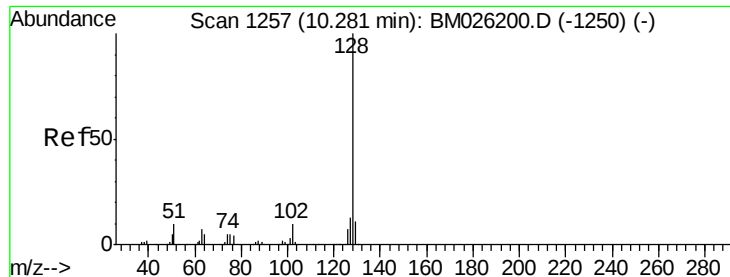
mohammad
6/2/2020 3:21:50 PM



#27
2,4-Dichlorophenol
Concen: 3.33 ng/ul
RT: 9.89 min Scan# 1191
Delta R.T. 0.00 min
Lab File: BM026207.D
Acq: 01 Jun 2020 21:16

Tgt Ion	Ratio	Lower	Upper
162	100		
164	73.4	51.0	76.4
98	43.8	32.1	48.1





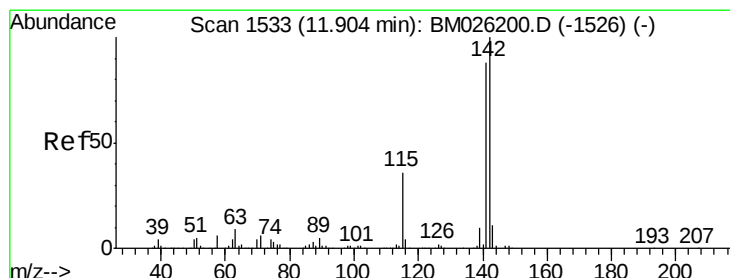
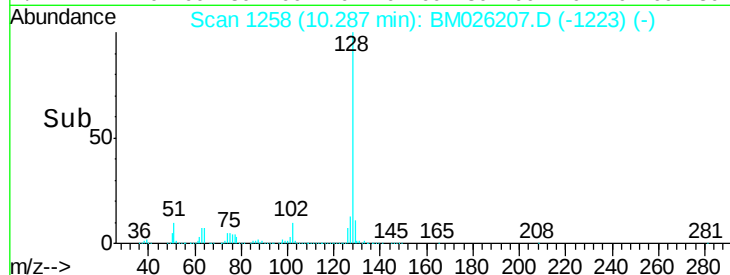
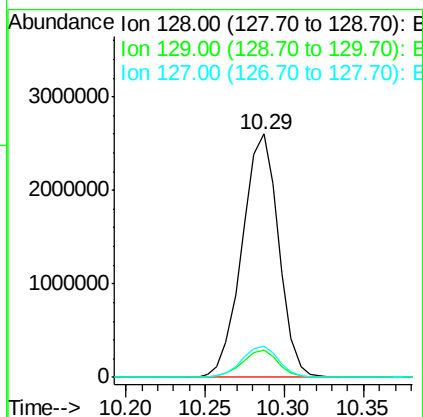
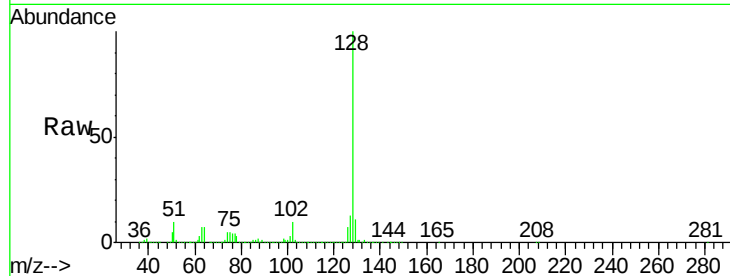
#28
Naphthalene
Concen: 115.23 ng/ul
RT: 10.29 min Scan# 1258
Delta R.T. 0.01 min
Lab File: BM026207.D
Acq: 01 Jun 2020 21:16

Instrument :
BNA_M
ClientSampleId :
C5CC9

Tgt Ion:128 Resp: 4141613
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 12.9 10.6 15.8

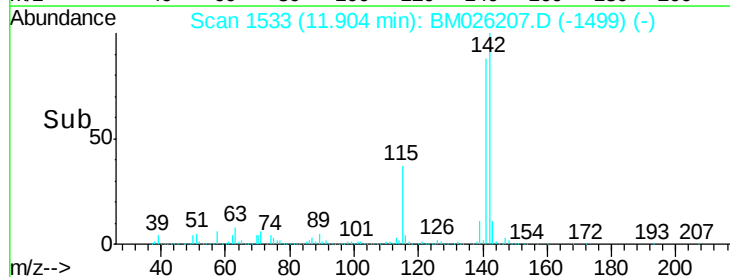
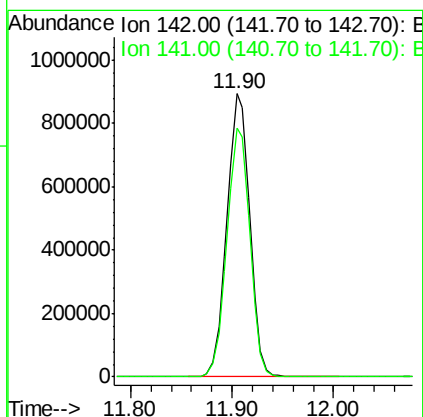
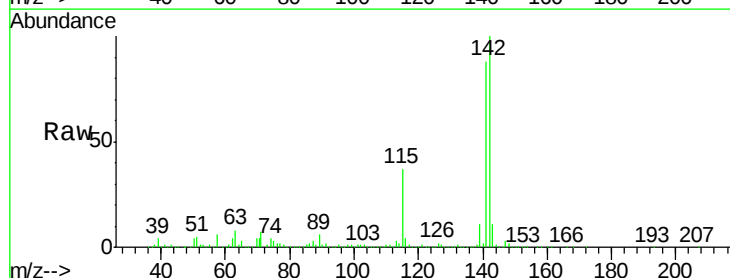
Manual Integrations
APPROVED

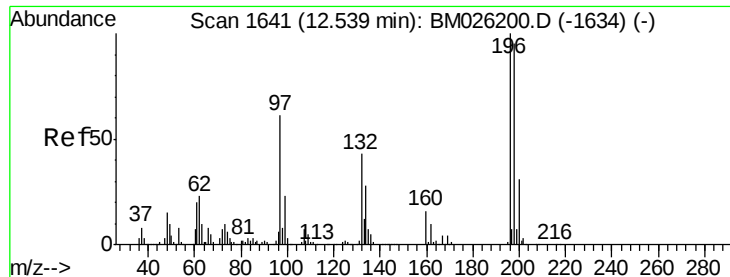
mohammad
6/2/2020 3:21:50 PM



#34
2-Methylnaphthalene
Concen: 57.95 ng/ul
RT: 11.90 min Scan# 1533
Delta R.T. 0.00 min
Lab File: BM026207.D
Acq: 01 Jun 2020 21:16

Tgt Ion:142 Resp: 1400798
Ion Ratio Lower Upper
142 100
141 88.1 71.8 107.6





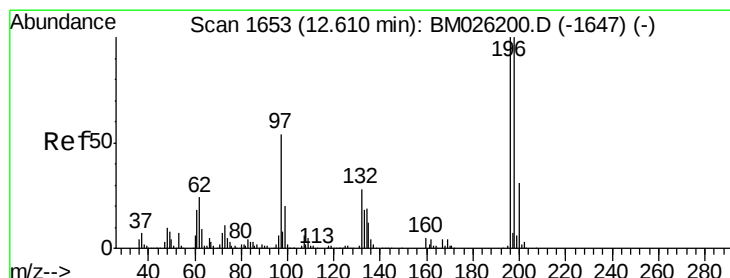
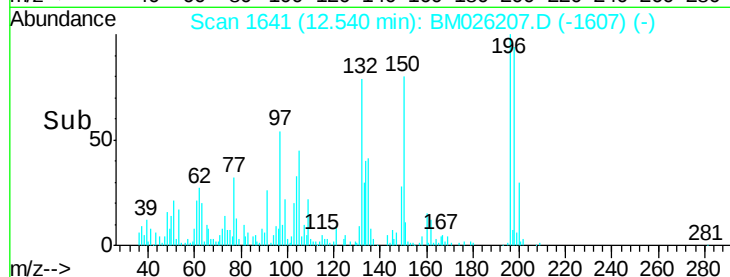
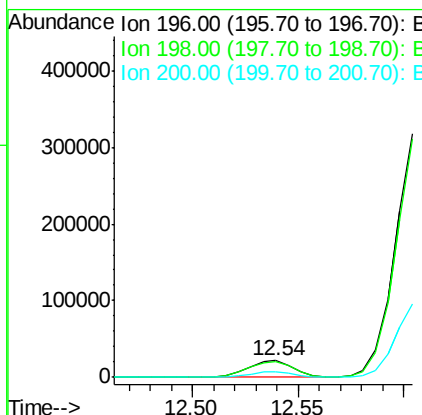
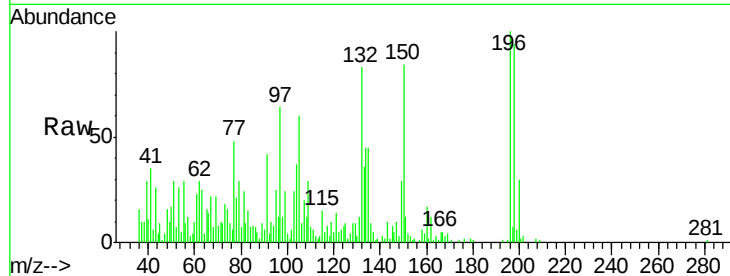
#39
 2,4,6-Trichlorophenol
 Concen: 4.18 ng/ul
 RT: 12.54 min Scan# 1641
 Delta R.T. 0.00 min
 Lab File: BM026207.D
 Acq: 01 Jun 2020 21:16

Instrument :
 BNA_M
 ClientSampled :
 C5CC9

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	32076		
198	93.9	76.0	114.0	
200	30.3	24.5	36.7	

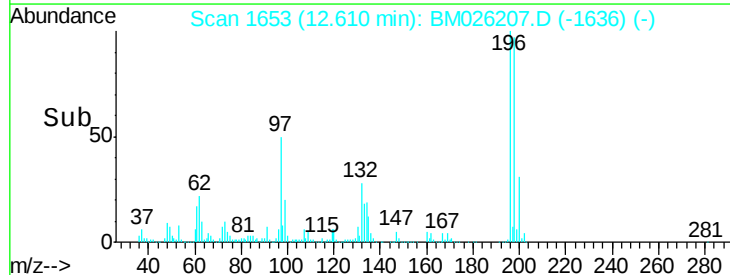
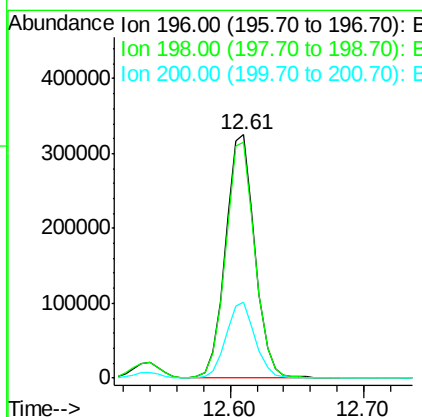
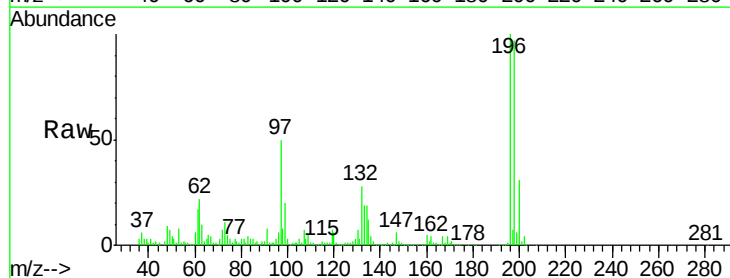
Manual Integrations
 APPROVED

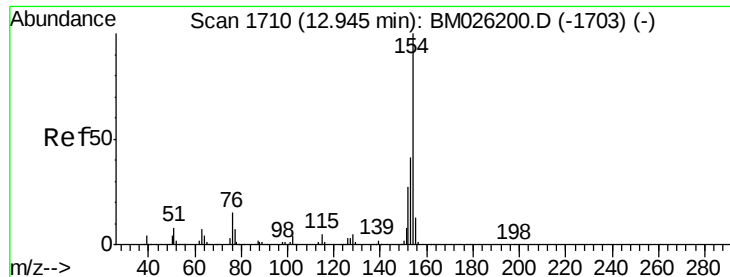
mohammad
 6/2/2020 3:21:50 PM



#40
 2,4,5-Trichlorophenol
 Concen: 58.59 ng/ul
 RT: 12.61 min Scan# 1653
 Delta R.T. 0.00 min
 Lab File: BM026207.D
 Acq: 01 Jun 2020 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	496524		
198	97.0	79.0	118.6	
200	31.3	25.0	37.4	





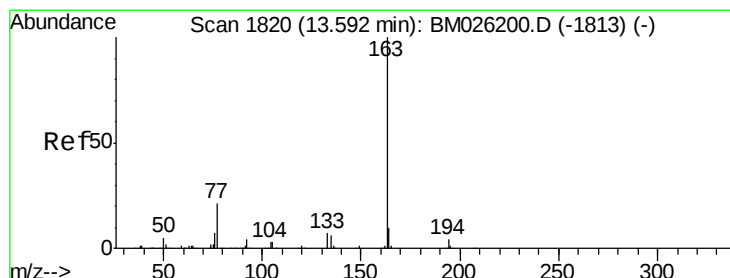
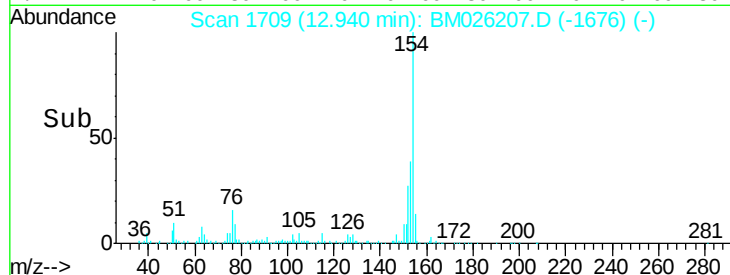
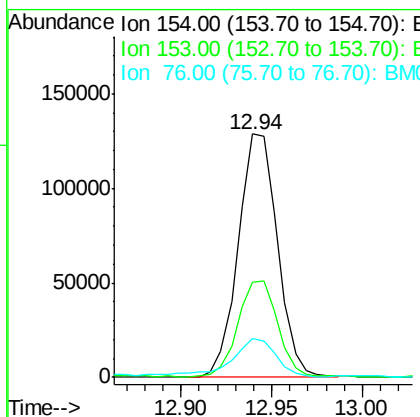
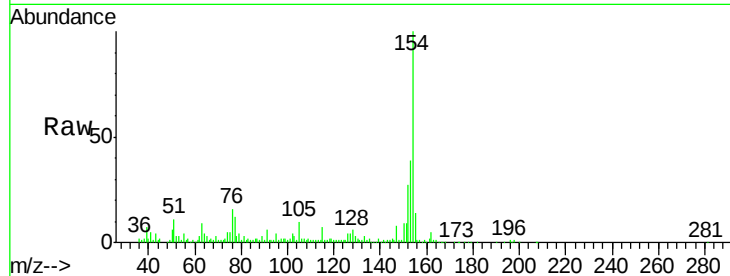
#41
 1,1'-Biphenyl
 Concen: 5.90 ng/ul
 RT: 12.94 min Scan# 1709
 Delta R.T. -0.01 min
 Lab File: BM026207.D
 Acq: 01 Jun 2020 21:16

Instrument :
 BNA_M
 ClientSampleId :
 C5CC9

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	39.3	32.3	48.5
76	16.1	13.0	19.6

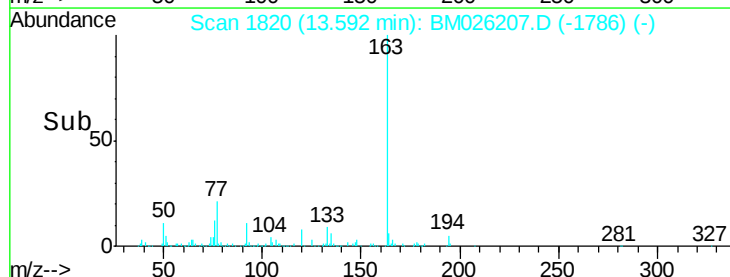
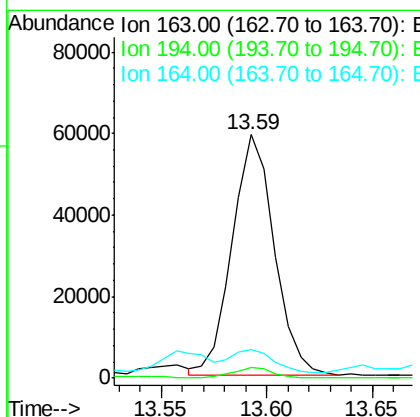
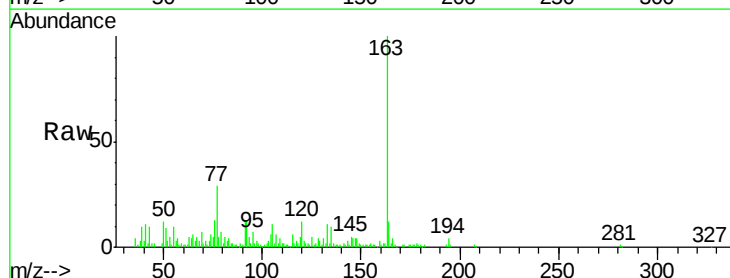
Manual Integrations
 APPROVED

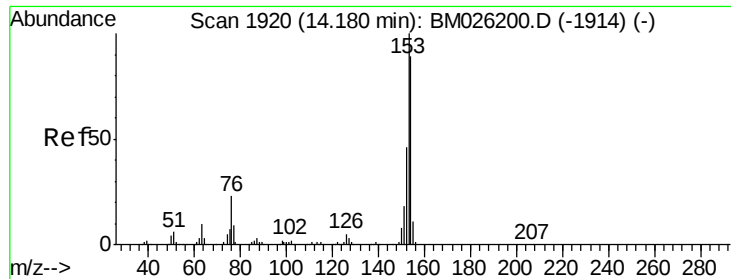
mohammad
 6/2/2020 3:21:50 PM



#45
 Dimethylphthalate
 Concen: 2.63 ng/ul
 RT: 13.59 min Scan# 1820
 Delta R.T. 0.00 min
 Lab File: BM026207.D
 Acq: 01 Jun 2020 21:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.5	3.2	4.8
164	11.5	8.0	12.0





#50

Acenaphthene

Concen: 4.45 ng/ul

RT: 14.18 min Scan# 1920

Delta R.T. 0.00 min

Lab File: BM026207.D

Acq: 01 Jun 2020 21:16

Instrument :

BNA_M

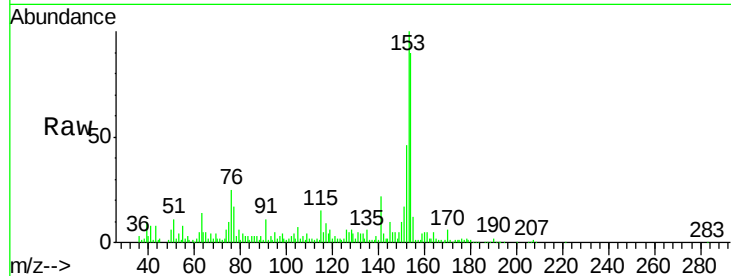
ClientSampleId :

C5CC9

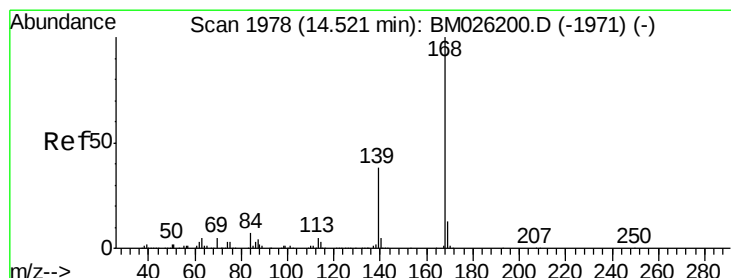
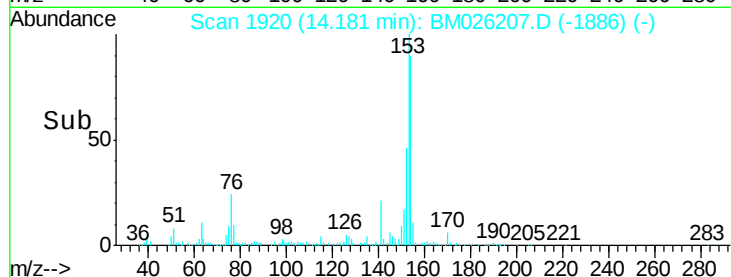
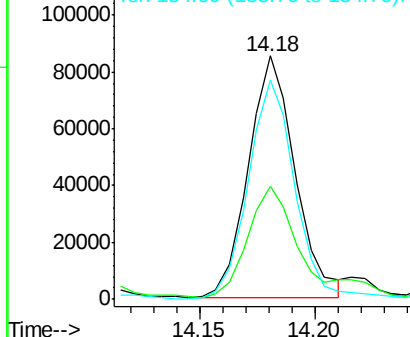
Tgt Ion:	153	Resp:	120656
Ion Ratio	Lower	Upper	
153	100		
152	46.3	37.2	55.8
154	89.8	69.8	104.8

Manual Integrations
APPROVED

mohammad
6/2/2020 3:21:50 PM



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: 2.66 ng/ul

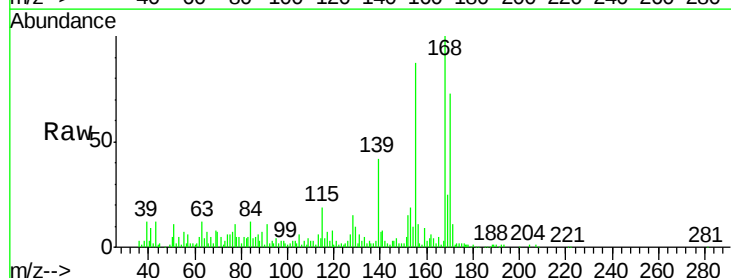
RT: 14.52 min Scan# 1978

Delta R.T. 0.00 min

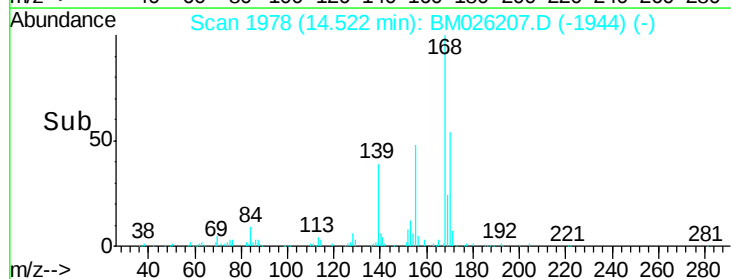
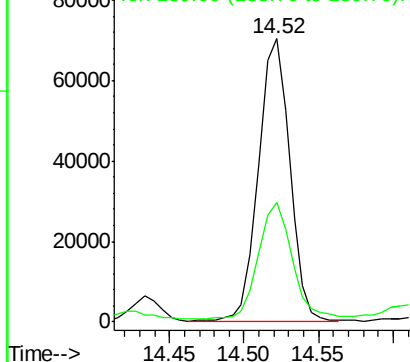
Lab File: BM026207.D

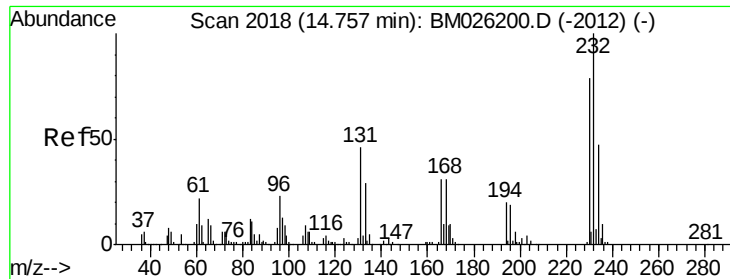
Acq: 01 Jun 2020 21:16

Tgt Ion:	168	Resp:	101175
Ion Ratio	Lower	Upper	
168	100		
139	42.3	30.7	46.1



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





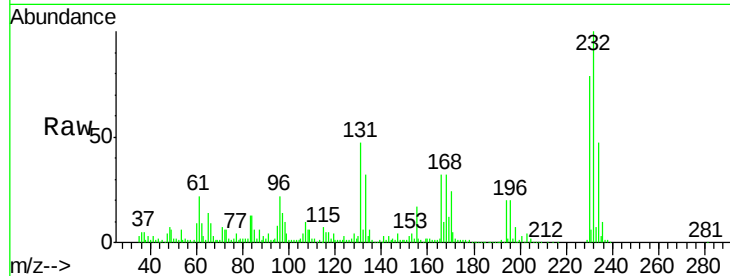
#56
2,3,4,6-Tetrachlorophenol
Concen: 66.20 ng/ul
RT: 14.76 min Scan# 2018
Delta R.T. 0.00 min
Lab File: BM026207.D
Acq: 01 Jun 2020 21:16

Instrument :
BNA_M
ClientSampleId :
C5CC9

Tgt Ion	Ratio	Lower	Upper
232	100		
131	46.8	37.0	55.4
130	3.0	1.8	2.8
166	32.0	25.4	38.0

Manual Integrations
APPROVED

mohammad
6/2/2020 3:21:50 PM



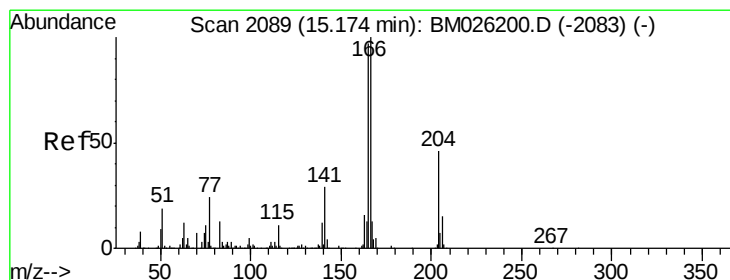
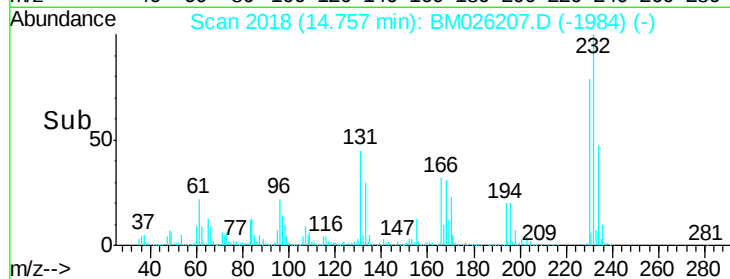
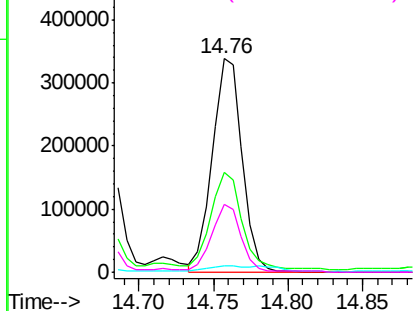
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#59
Fluorene
Concen: 4.73 ng/ul
RT: 15.17 min Scan# 2089
Delta R.T. 0.00 min
Lab File: BM026207.D
Acq: 01 Jun 2020 21:16

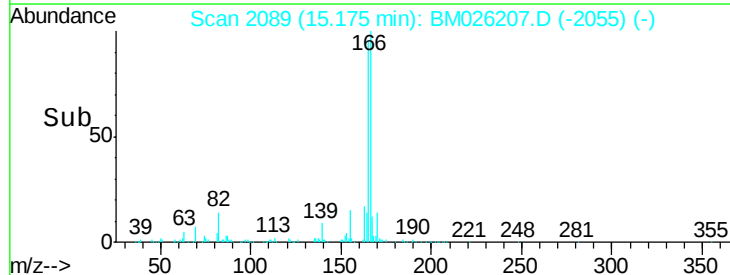
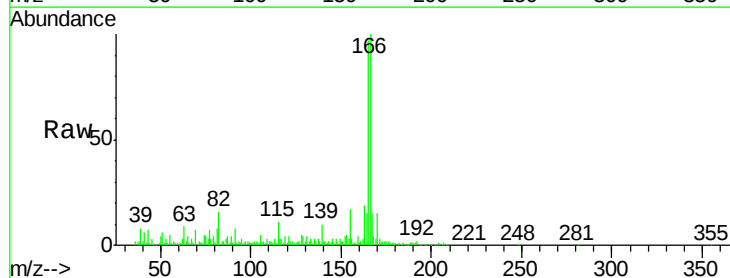
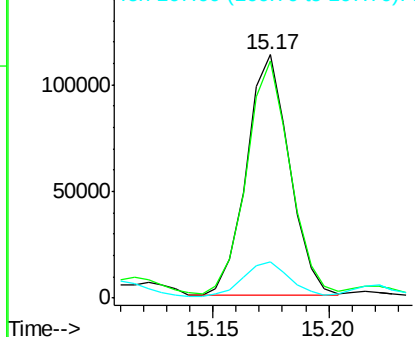
Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.4	77.3	115.9
167	14.7	10.6	16.0

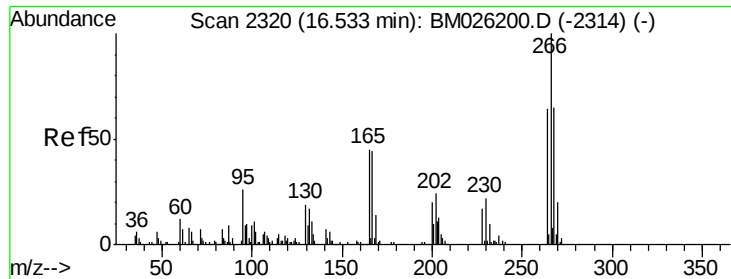
Abundance

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





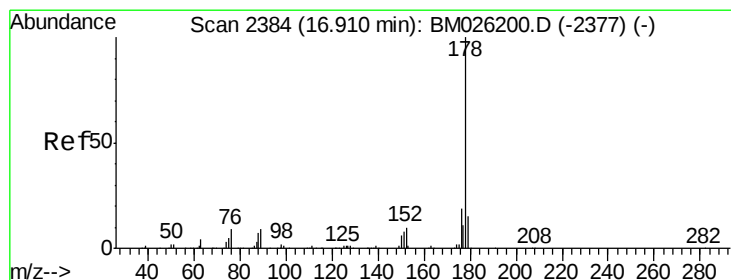
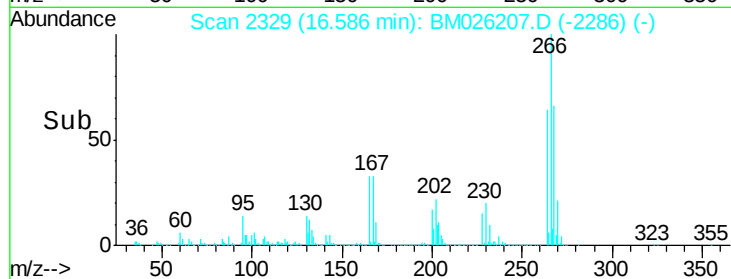
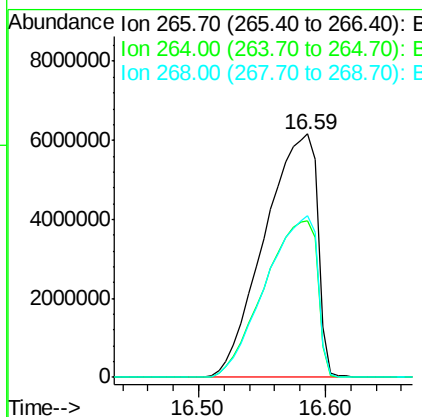
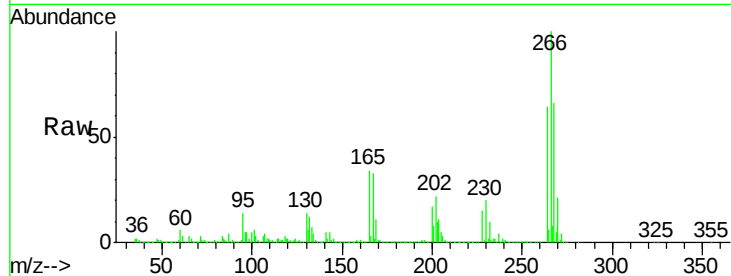
#69
 Pentachlorophenol
 Concen: 3279.05 ng/ul
 RT: 16.59 min Scan# 2329
 Delta R.T. 0.05 min
 Lab File: BM026207.D
 Acq: 01 Jun 2020 21:16

Instrument :
 BNA_M
 ClientSampleId :
 C5CC9

Tgt Ion:266 Resp:17900295
 Ion Ratio Lower Upper
 266 100
 264 64.4 49.3 73.9
 268 66.2 52.4 78.6

Manual Integrations
 APPROVED

mohammad
 6/2/2020 3:21:50 PM



#70
 Phenanthrene
 Concen: 7.21 ng/ul
 RT: 16.92 min Scan# 2386
 Delta R.T. 0.01 min
 Lab File: BM026207.D
 Acq: 01 Jun 2020 21:16

Tgt Ion:178 Resp: 343787
 Ion Ratio Lower Upper
 178 100
 179 16.4 11.9 17.9
 176 19.1 14.9 22.3

