

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082420\
 Data File : BM027207.D
 Acq On : 24 Aug 2020 23:04
 Operator : JU/CG
 Sample : L3720-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MP-081920-B9-0-2-COMP

Manual Integrations
 APPROVED

mohammad
 8/25/2020 4:18:34 PM

Quant Time: Aug 25 02:16:26 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082120.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 24 15:18:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	184664	20.00	ng	0.00
21) Naphthalene-d8	10.38	136	555823	20.00	ng	0.00
39) Acenaphthene-d10	14.24	164	345607	20.00	ng	0.00
64) Phenanthrene-d10	16.99	188	741881	20.00	ng	0.00
76) Chrysene-d12	21.19	240	745972	20.00	ng	0.00
86) Perylene-d12	23.38	264	820158	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	733134	77.40	ng	0.00
7) Phenol-d6	6.80	99	974130	74.90	ng	0.00
23) Nitrobenzene-d5	8.75	82	770257	57.17	ng	0.00
42) 2,4,6-Tribromophenol	15.74	330	384224	68.65	ng	0.00
45) 2-Fluorobiphenyl	12.86	172	1299856	49.41	ng	0.00
79) Terphenyl-d14	19.63	244	1691988	42.37	ng	0.00
Target Compounds						
31) Naphthalene	10.43	128	69056	2.451	ng	Qvalue 97
50) Dimethylphthalate	13.71	163	241982	8.624	ng	100
52) Acenaphthene	14.31	154	66290	3.400	ng	98
71) Phenanthrene	17.03	178	1213658	29.428	ng	99
72) Anthracene	17.13	178	163456	4.146	ng	98
75) Fluoranthene	19.06	202	1518498	29.475	ng	99
78) Pyrene	19.42	202	1322501	29.135	ng	99
81) Benzo(a)anthracene	21.18	228	597191	12.354	ng	97
83) Chrysene	21.23	228	580620	12.367	ng	97
84) Bis(2-ethylhexyl)phthalate	21.13	149	144814	6.133	ng	99
87) Indeno(1,2,3-cd)pyrene	25.56	276	341993	5.328	ng	# 95
88) Benzo(b)fluoranthene	22.73	252	715962m	13.091	ng	
89) Benzo(k)fluoranthene	22.77	252	235710m	4.402	ng	
90) Benzo(a)pyrene	23.29	252	528439	10.584	ng	96
92) Benzo(a,h,i)perylene	26.23	276	329352	6.399	ng	95

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

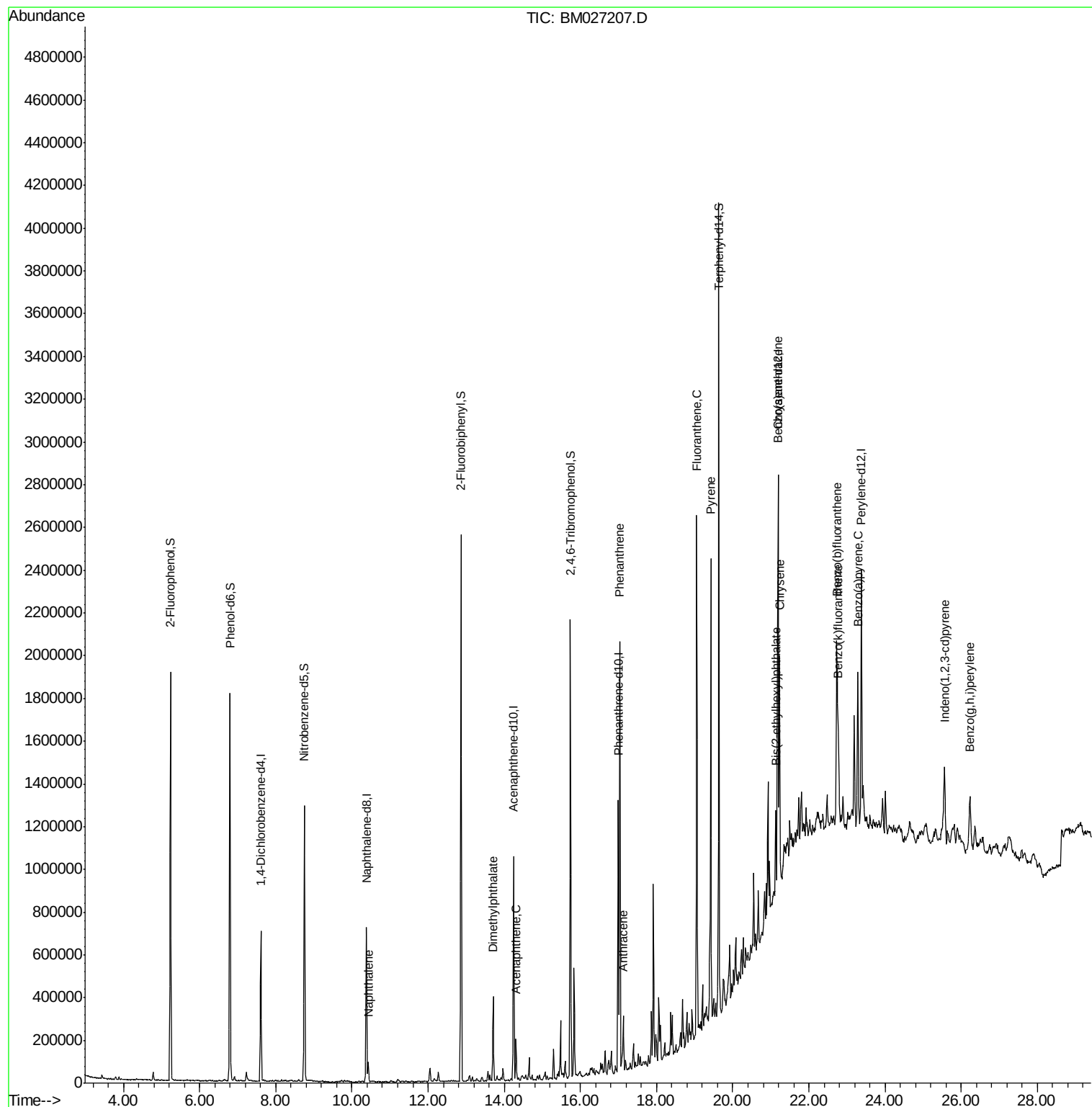
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082420\
Data File : BM027207.D
Acq On : 24 Aug 2020 23:04
Operator : JU/CG
Sample : L3720-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

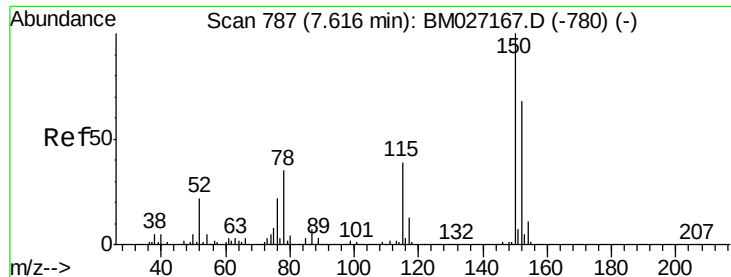
Instrument :
BNA_M
ClientSampleId :
MP-081920-B9-0-2-COMP

Manual Integrations
APPROVED

mohammad
8/25/2020 4:18:34 PM

Quant Time: Aug 25 02:16:26 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 24 15:18:39 2020
Response via : Initial Calibration





#1

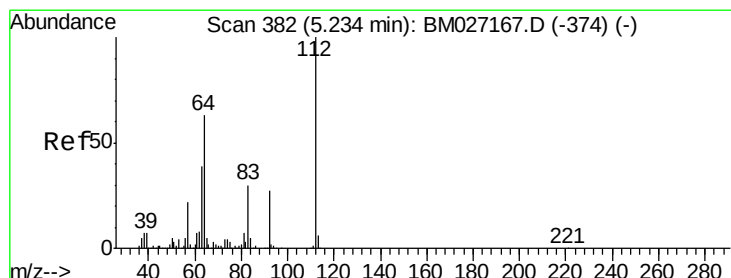
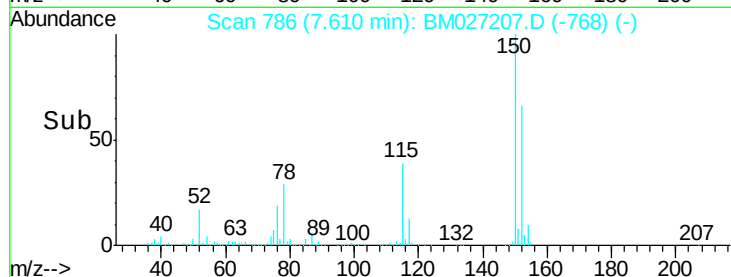
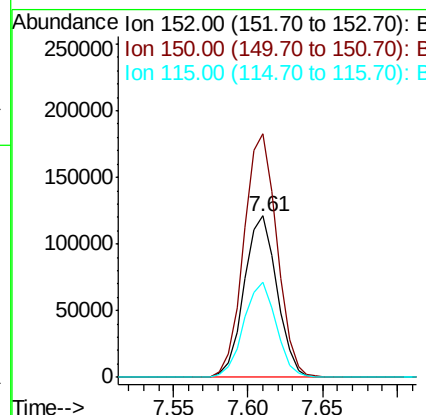
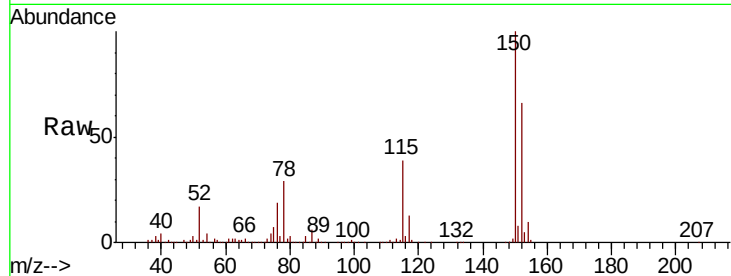
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.61 min Scan# 786
Delta R.T. 0.01 min
Lab File: BM027207.D
Acq: 24 Aug 2020 23:04

Instrument :
BNA_M
ClientSampleId :
MP-081920-B9-0-2-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.1	118.2	177.4
115	59.0	46.1	69.1

Manual Integrations
APPROVED

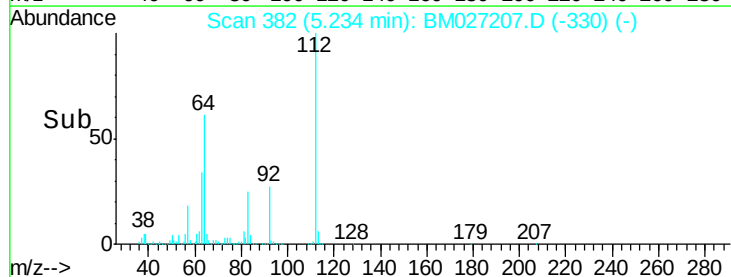
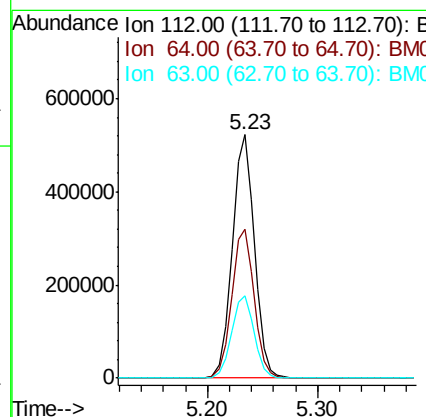
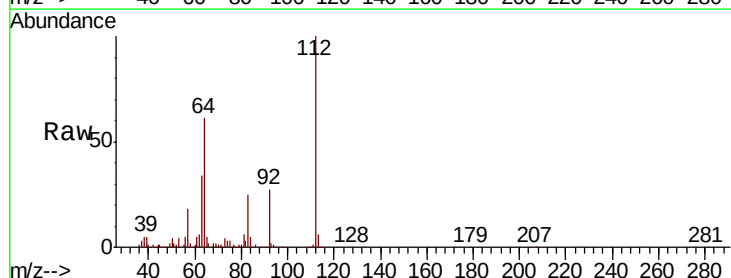
mohammad
8/25/2020 4:18:34 PM

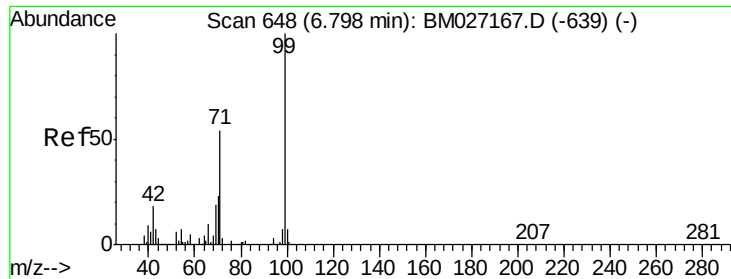


#5

2-Fluorophenol
Concen: 77.395 ng
RT: 5.23 min Scan# 382
Delta R.T. 0.01 min
Lab File: BM027207.D
Acq: 24 Aug 2020 23:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.2	50.0	75.0
63	33.9	31.6	47.4





#7

Phenol-d6

Concen: 74.899 ng

RT: 6.80 min Scan# 648

Delta R.T. 0.01 min

Lab File: BM027207.D

Acq: 24 Aug 2020 23:04

Instrument :

BNA_M

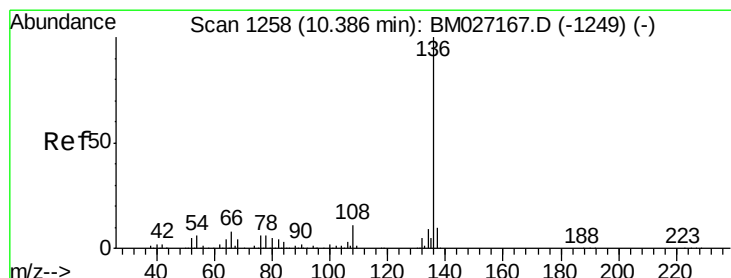
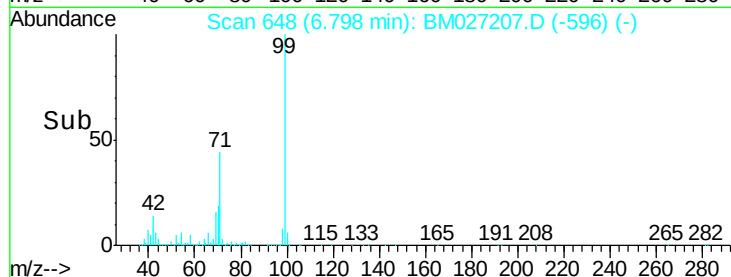
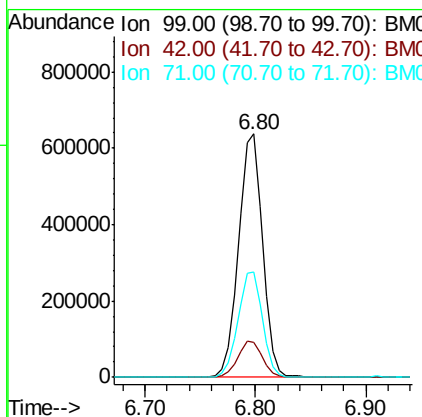
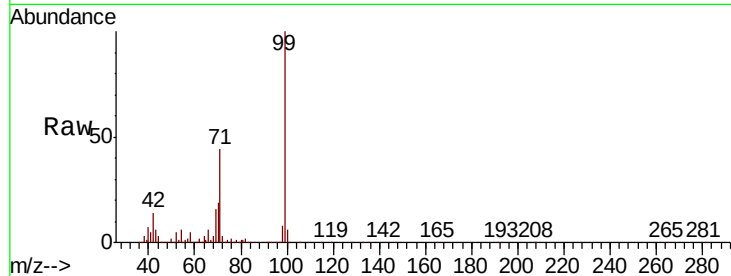
ClientSampleId :

MP-081920-B9-0-2-COMP

Tot Ion:	99	Resp:	974130
Ion Ratio	Lower	Upper	
99	100		
42	14.4	14.5	21.7#
71	43.5	43.0	64.4

Manual Integrations
APPROVED

mohammad
8/25/2020 4:18:34 PM



#21

Naphthalene-d8

Concen: 20.000 ng

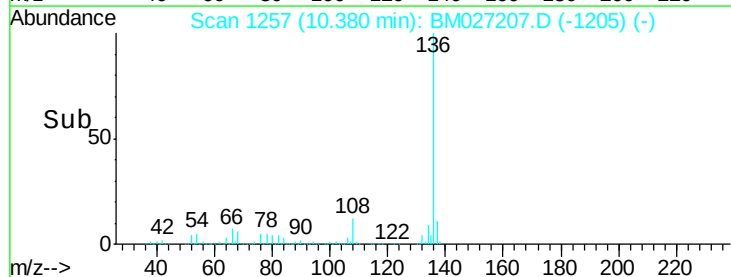
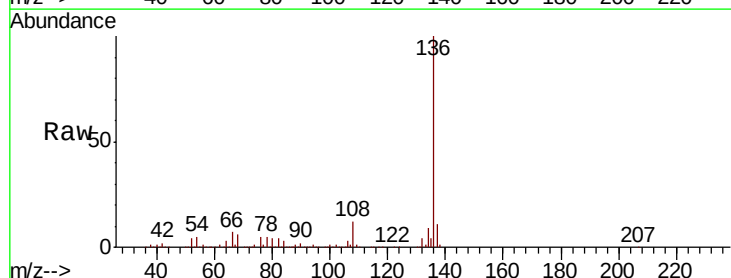
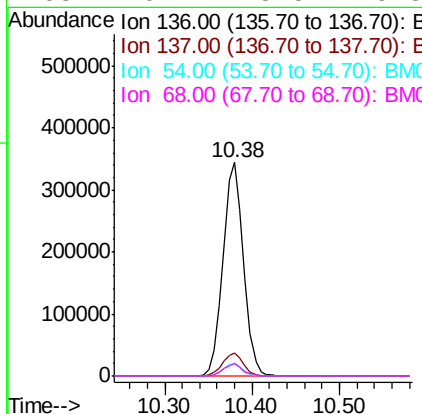
RT: 10.38 min Scan# 1257

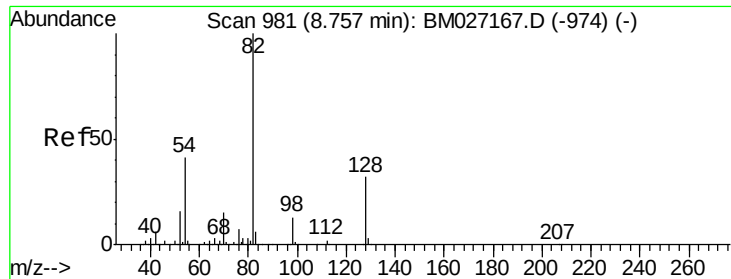
Delta R.T. 0.01 min

Lab File: BM027207.D

Acq: 24 Aug 2020 23:04

Tgt Ion:	136	Resp:	555823
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.2	12.4
54	5.2	4.8	7.2
68	6.1	3.5	5.3#





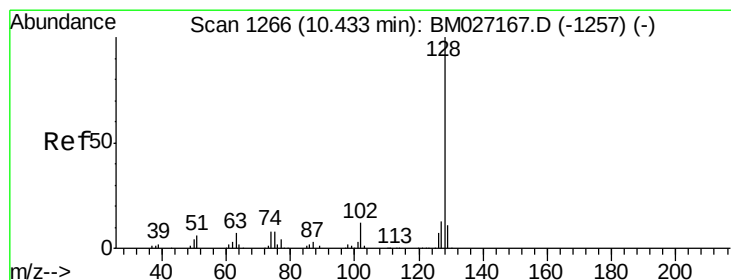
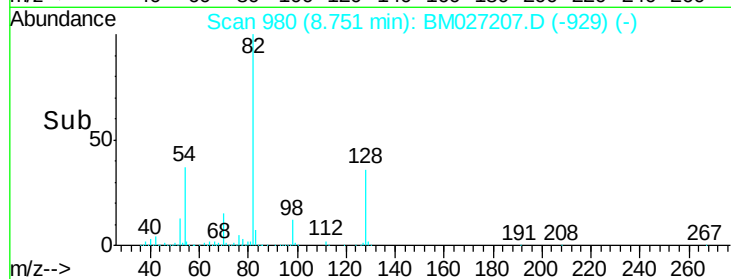
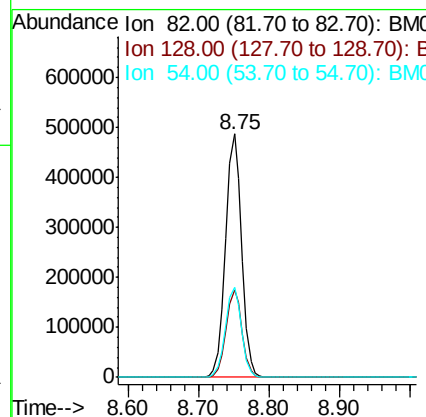
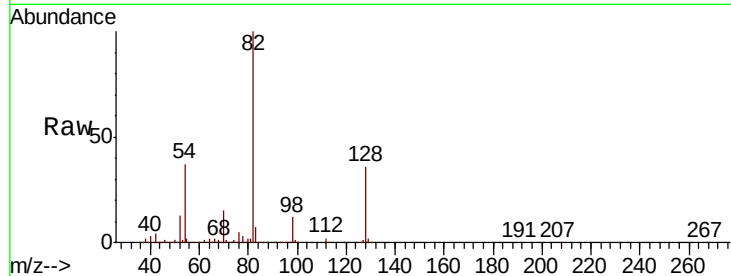
#23
 Nitrobenzene-d5
 Concen: 57.174 ng
 RT: 8.75 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: BM027207.D
 Acq: 24 Aug 2020 23:04

Instrument :
 BNA_M
 ClientSampleId :
 MP-081920-B9-0-2-COMP

Tot Ion	82	Resp	770257
Ion Ratio	Lower	Upper	
82	100		
128	35.9	25.7	38.5
54	37.1	33.0	49.4

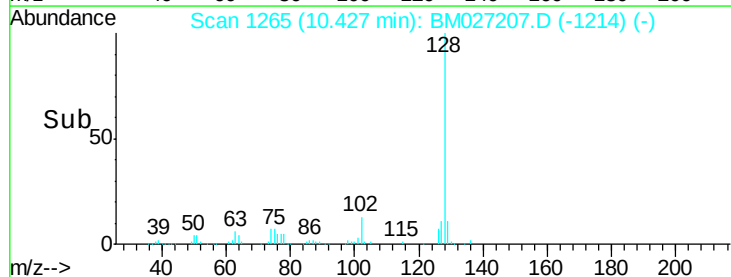
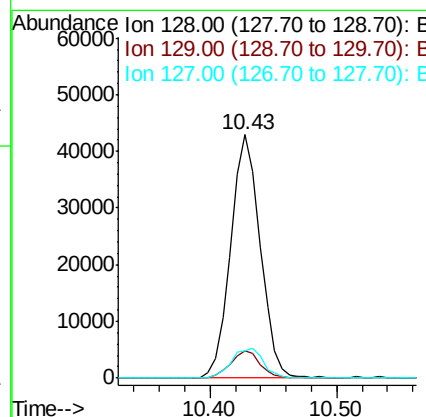
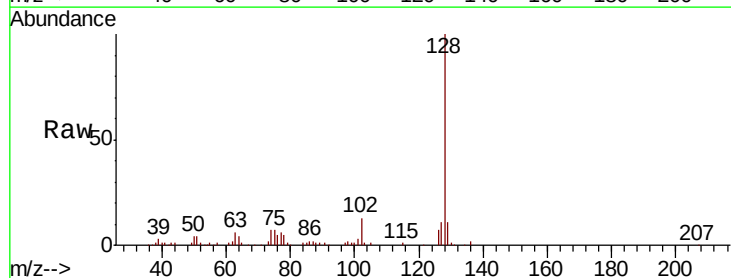
Manual Integrations
 APPROVED

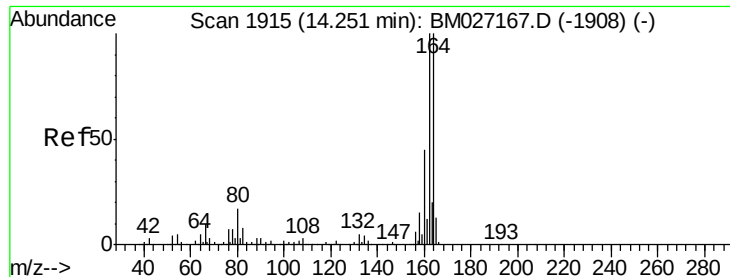
mohammad
 8/25/2020 4:18:34 PM



#31
 Naphthalene
 Concen: 2.451 ng
 RT: 10.43 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: BM027207.D
 Acq: 24 Aug 2020 23:04

Tgt Ion	128	Resp	69056
Ion Ratio	Lower	Upper	
128	100		
129	11.5	9.0	13.4
127	11.4	10.7	16.1





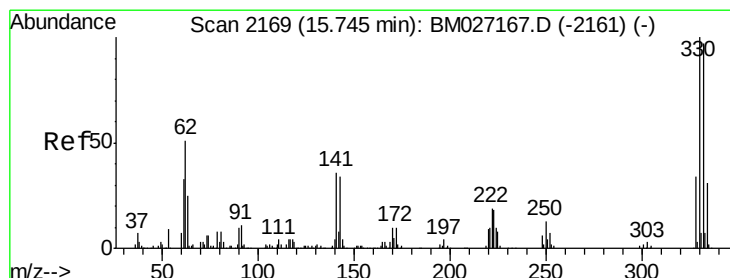
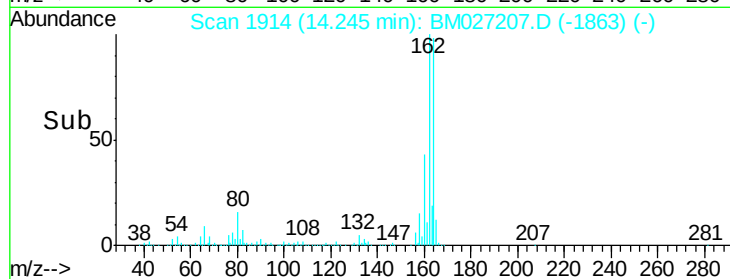
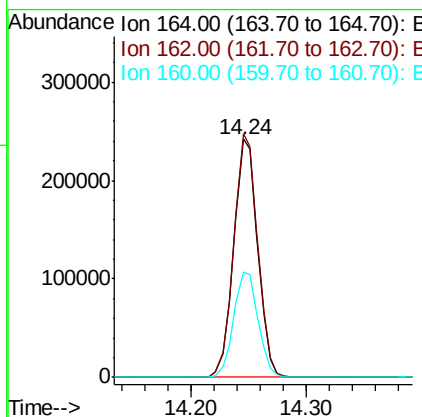
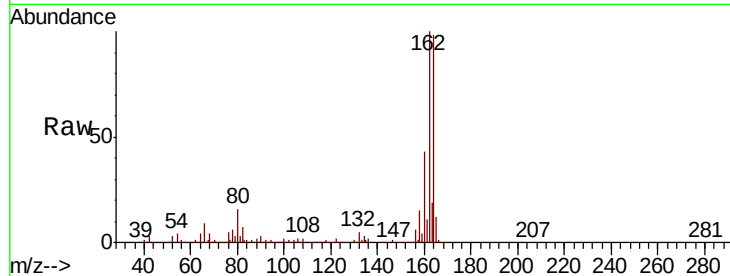
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: BM027207.D
 Acq: 24 Aug 2020 23:04

Instrument :
 BNA_M
 ClientSampleId :
 MP-081920-B9-0-2-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.2	80.2	120.4	
160	44.2	36.3	54.5	

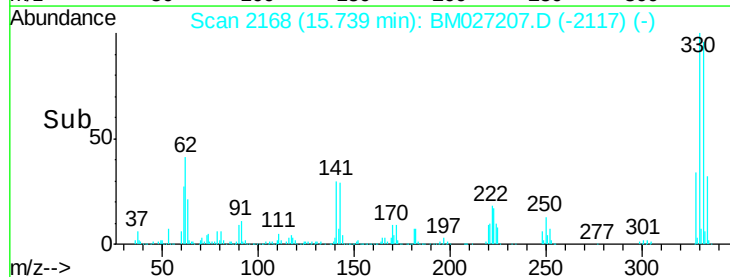
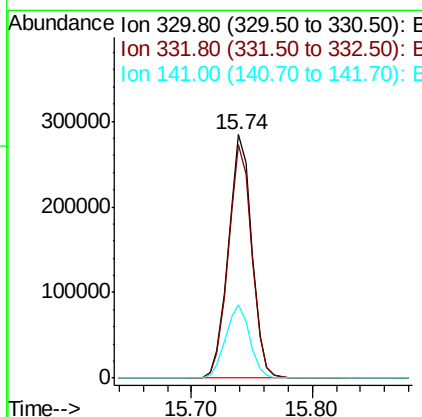
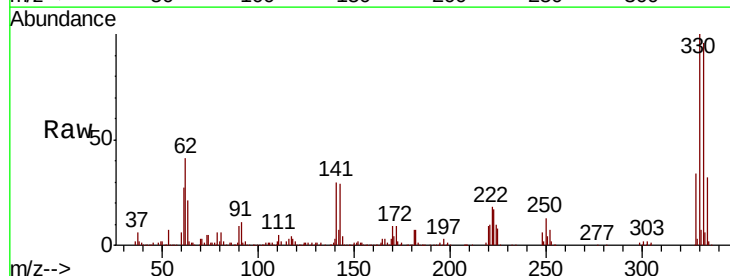
Manual Integrations
 APPROVED

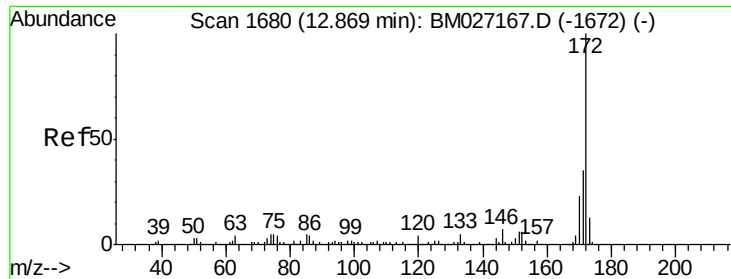
mohammad
 8/25/2020 4:18:34 PM



#42
 2,4,6-Tribromophenol
 Concen: 68.654 ng
 RT: 15.74 min Scan# 2168
 Delta R.T. 0.00 min
 Lab File: BM027207.D
 Acq: 24 Aug 2020 23:04

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.3	77.2	115.8	
141	30.7	31.0	46.6	





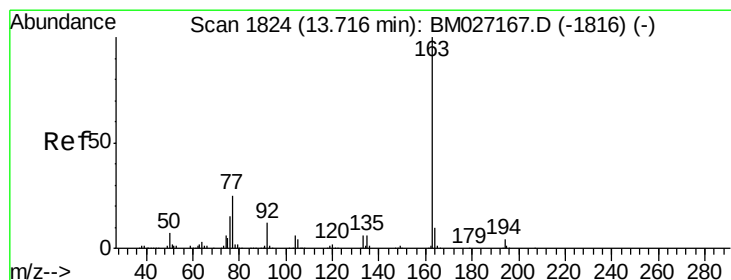
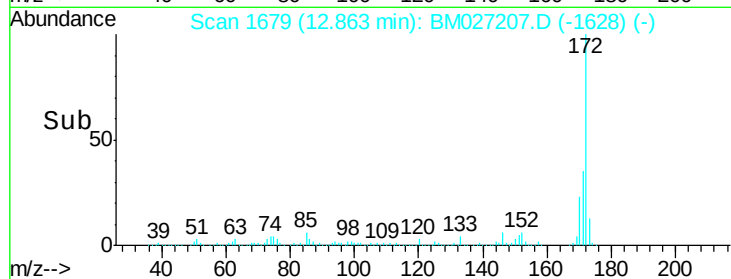
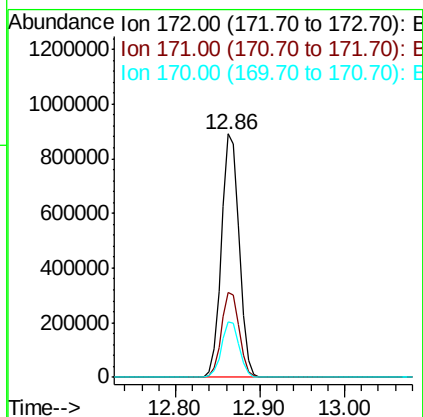
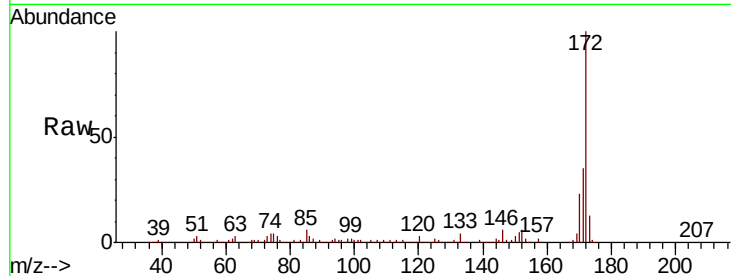
#45
2-Fluorobiphenyl
Concen: 49.406 ng
RT: 12.86 min Scan# 1679
Delta R.T. 0.00 min
Lab File: BM027207.D
Acq: 24 Aug 2020 23:04

Instrument :
BNA_M
ClientSampleId :
MP-081920-B9-0-2-COMP

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.1	42.1
170	22.8	18.6	28.0

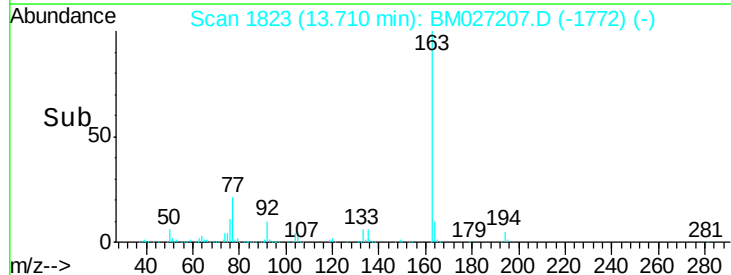
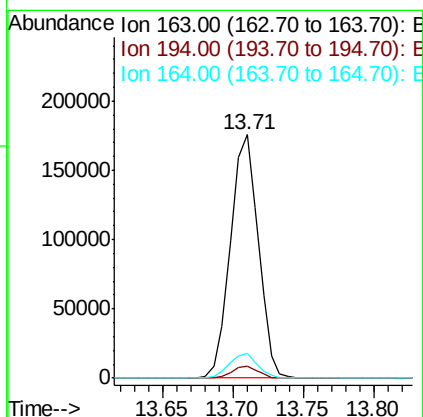
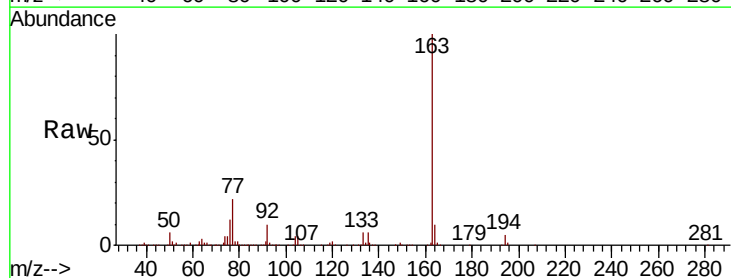
Manual Integrations
APPROVED

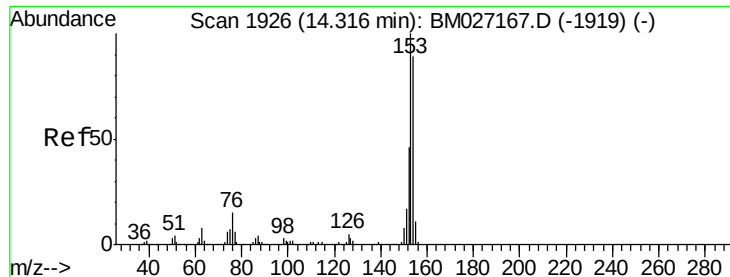
mohammad
8/25/2020 4:18:34 PM



#50
Dimethylphthalate
Concen: 8.624 ng
RT: 13.71 min Scan# 1823
Delta R.T. 0.00 min
Lab File: BM027207.D
Acq: 24 Aug 2020 23:04

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.4	5.2
164	10.2	8.2	12.2





#52

Acenaphthene

Concen: 3.400 ng

RT: 14.31 min Scan# 1925

Delta R.T. 0.00 min

Lab File: BM027207.D

Acq: 24 Aug 2020 23:04

Instrument :

BNA_M

ClientSampleId :

MP-081920-B9-0-2-COMP

Tot Ion:154 Resp: 66290

Ion Ratio Lower Upper

154 100

153 116.0 90.2 135.4

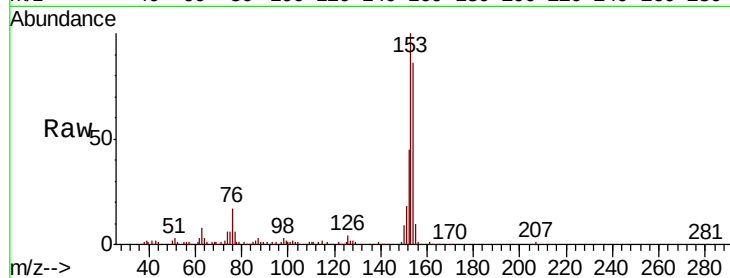
152 52.2 41.2 61.8

Manual Integrations

APPROVED

mohammad

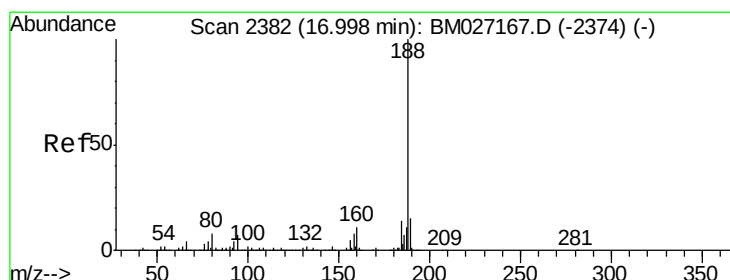
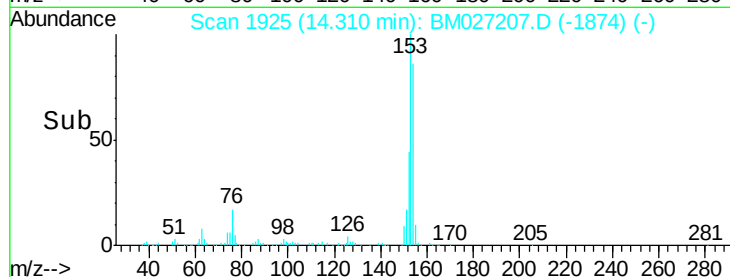
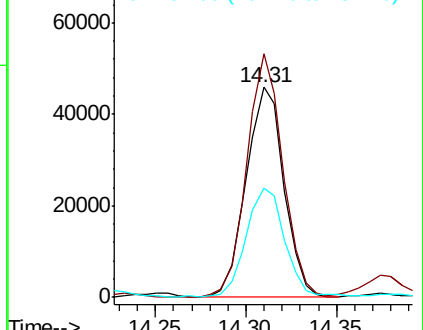
8/25/2020 4:18:34 PM



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.99 min Scan# 2381

Delta R.T. 0.01 min

Lab File: BM027207.D

Acq: 24 Aug 2020 23:04

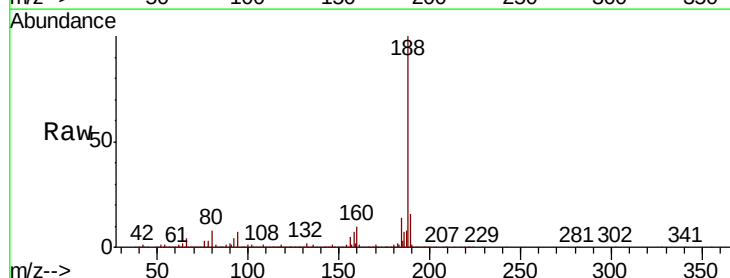
Tgt Ion:188 Resp: 741881

Ion Ratio Lower Upper

188 100

94 6.7 5.5 8.3

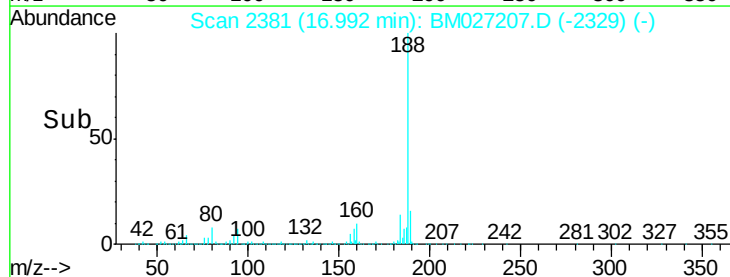
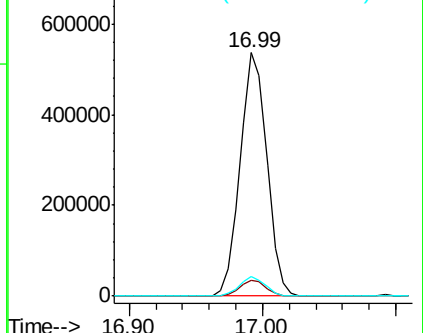
80 8.2 6.2 9.4

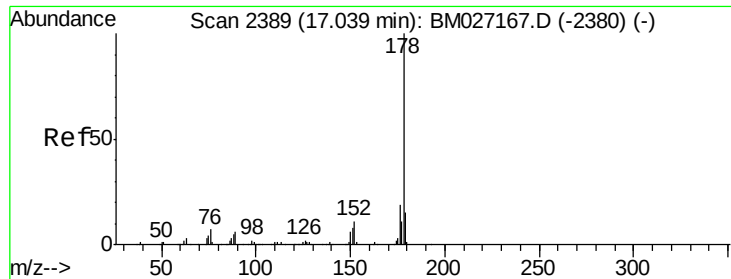


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





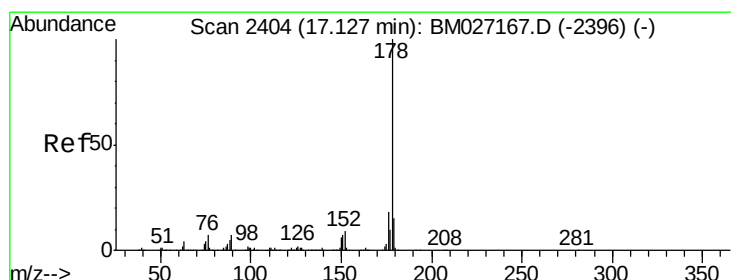
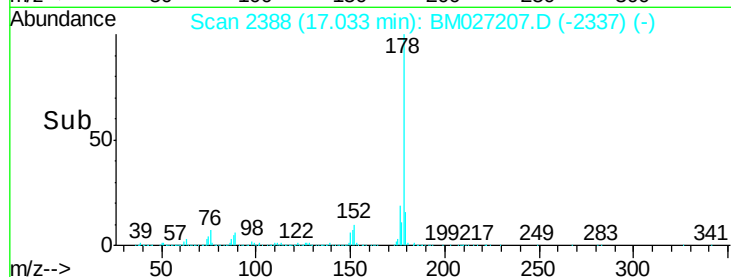
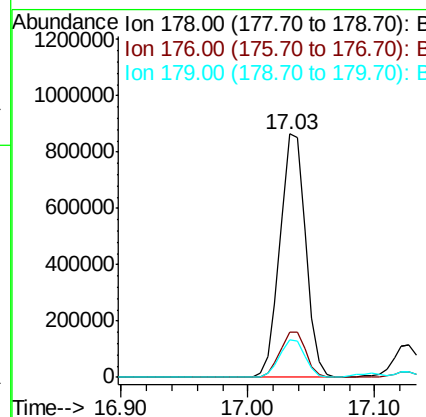
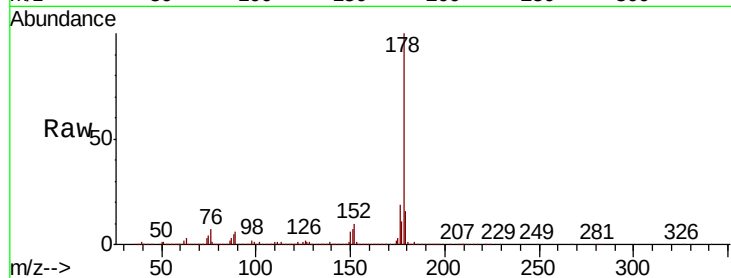
#71
Phenanthrene
Concen: 29.428 ng
RT: 17.03 min Scan# 2388
Delta R.T. 0.00 min
Lab File: BM027207.D
Acq: 24 Aug 2020 23:04

Instrument :
BNA_M
ClientSampleId :
MP-081920-B9-0-2-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.6	12.0	18.0

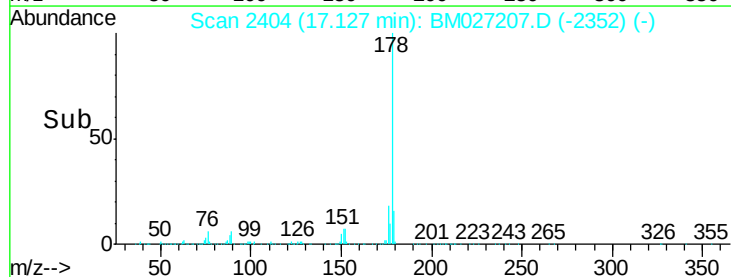
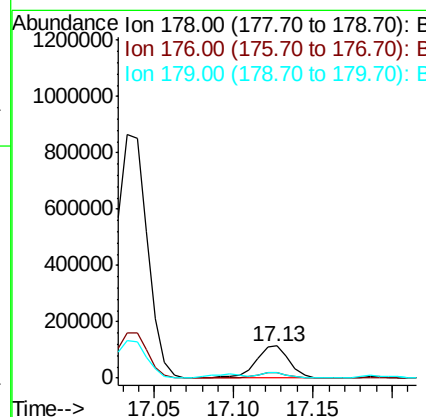
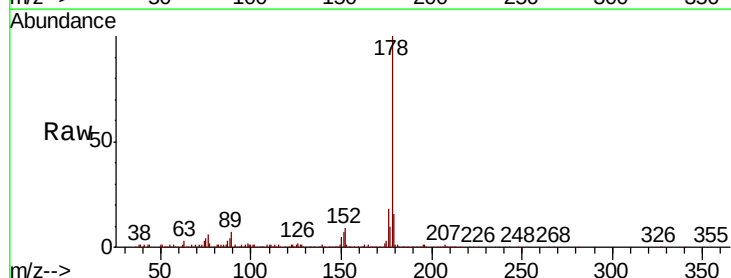
Manual Integrations
APPROVED

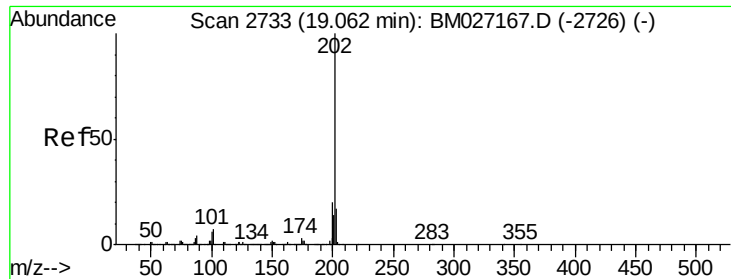
mohammad
8/25/2020 4:18:34 PM



#72
Anthracene
Concen: 4.146 ng
RT: 17.13 min Scan# 2404
Delta R.T. 0.01 min
Lab File: BM027207.D
Acq: 24 Aug 2020 23:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.7	22.1
179	15.9	11.9	17.9





#75

Fluoranthene

Concen: 29.475 ng

RT: 19.06 min Scan# 2733

Delta R.T. 0.01 min

Lab File: BM027207.D

Acq: 24 Aug 2020 23:04

Instrument :

BNA_M

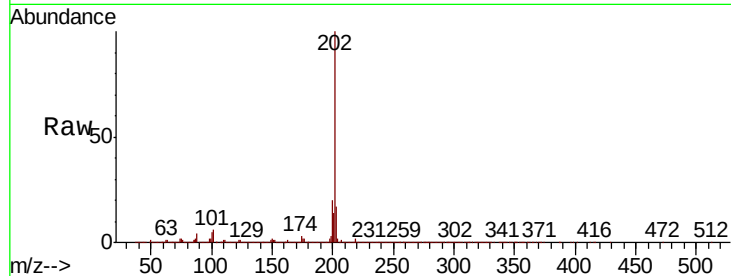
ClientSampleId :

MP-081920-B9-0-2-COMP

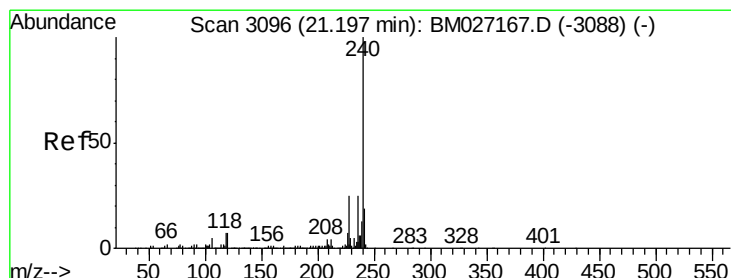
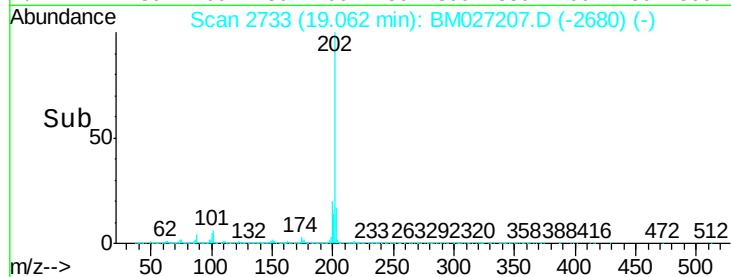
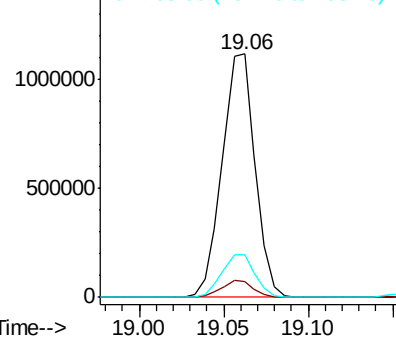
Tot Ion:	202	Resp:	1518498
Ion Ratio	Lower	Upper	
202	100		
101	6.3	0.0	27.2
203	17.4	0.0	37.1

Manual Integrations
APPROVED

mohammad
8/25/2020 4:18:34 PM



Abundance Ion 202.00 (201.70 to 202.70): E
1500000 Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

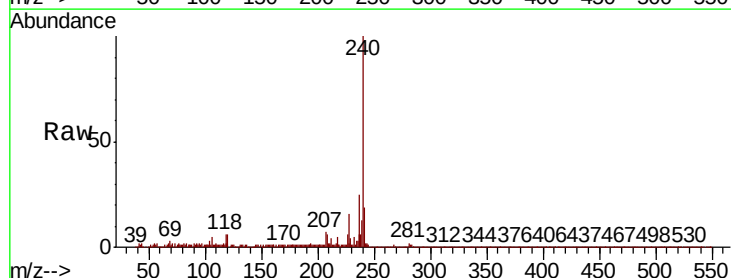
RT: 21.19 min Scan# 3095

Delta R.T. 0.00 min

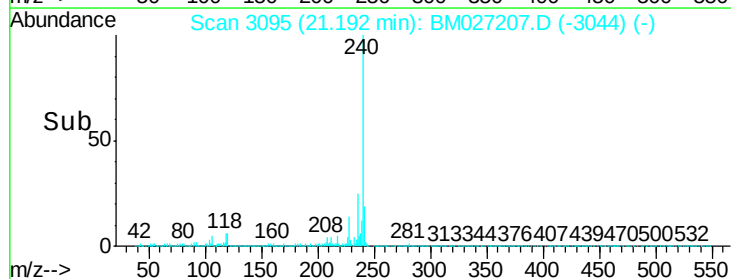
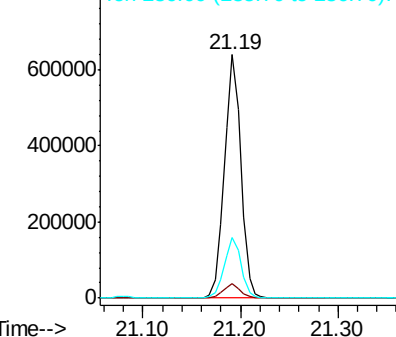
Lab File: BM027207.D

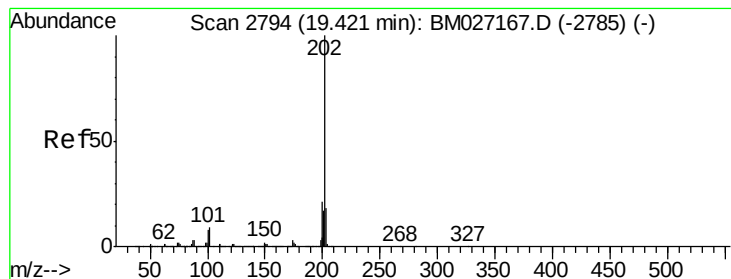
Acq: 24 Aug 2020 23:04

Tgt Ion:	240	Resp:	745972
Ion Ratio	Lower	Upper	
240	100		
120	6.0	5.6	8.4
236	24.7	19.8	29.6



Abundance Ion 240.00 (239.70 to 240.70): E
800000 Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 29.135 ng

RT: 19.42 min Scan# 2794

Delta R.T. 0.01 min

Lab File: BM027207.D

Acq: 24 Aug 2020 23:04

Instrument :

BNA_M

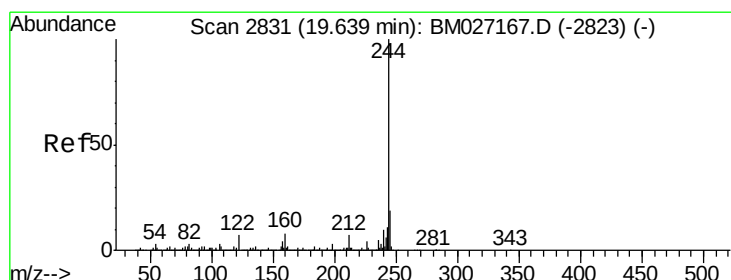
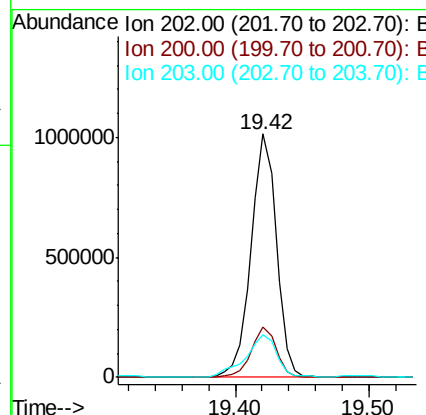
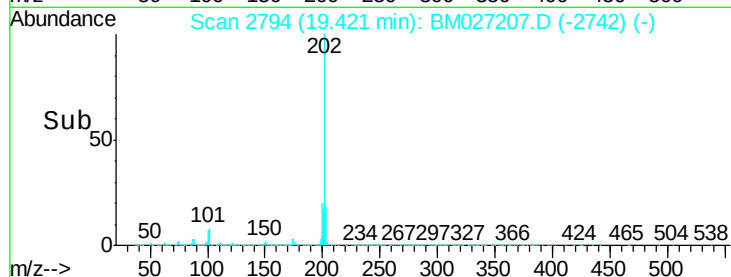
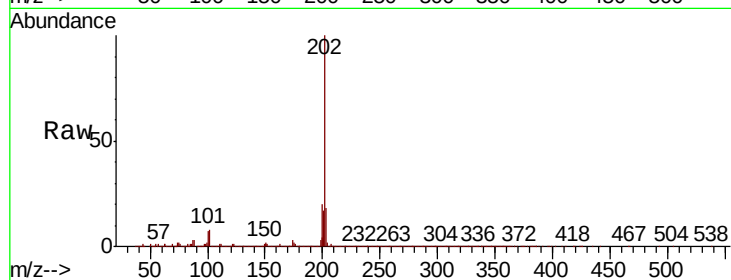
ClientSampleId :

MP-081920-B9-0-2-COMP

Tot Ion:	202	Resp:	1322501
Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.6	25.0
203	17.7	14.0	21.0

Manual Integrations
APPROVED

mohammad
8/25/2020 4:18:34 PM



#79

Terphenyl-d14

Concen: 42.371 ng

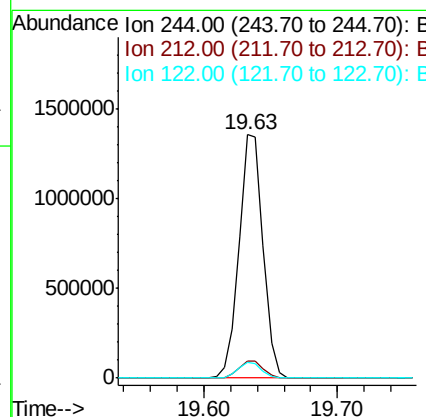
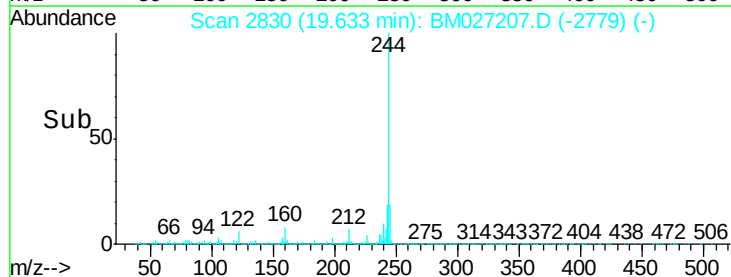
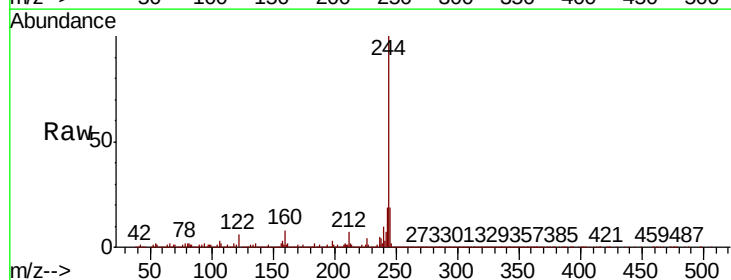
RT: 19.63 min Scan# 2830

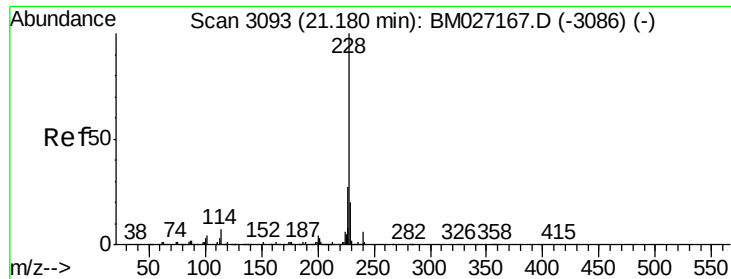
Delta R.T. 0.00 min

Lab File: BM027207.D

Acq: 24 Aug 2020 23:04

Tgt Ion:	244	Resp:	1691988
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	6.4	5.8	8.8





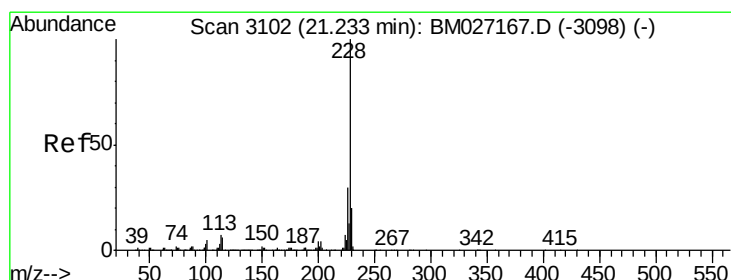
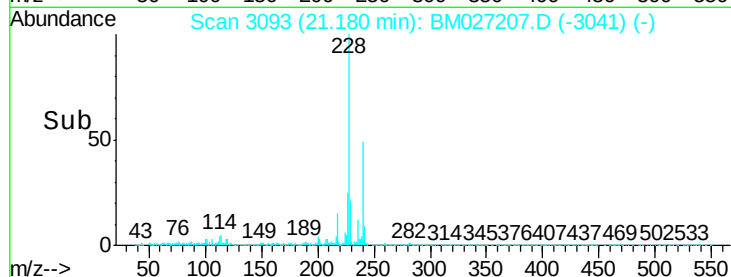
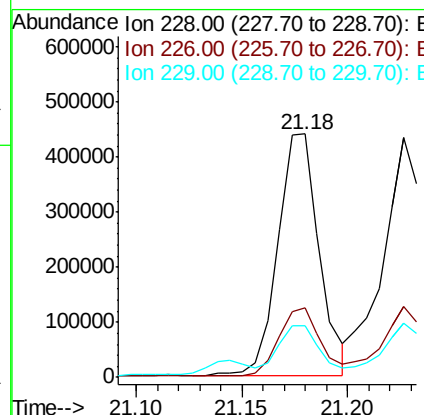
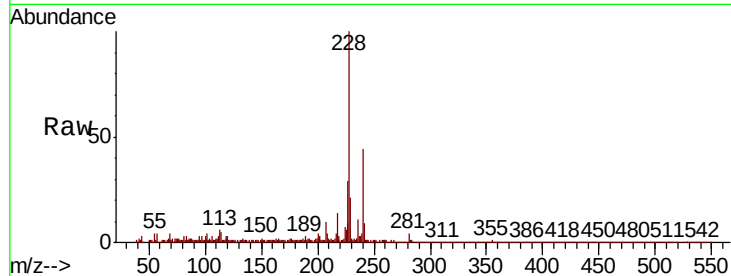
#81
Benzo(a)anthracene
Concen: 12.354 ng
RT: 21.18 min Scan# 3093
Delta R.T. 0.01 min
Lab File: BM027207.D
Acq: 24 Aug 2020 23:04

Instrument :
BNA_M
ClientSampleId :
MP-081920-B9-0-2-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	21.4	32.2
229	21.0	15.8	23.6

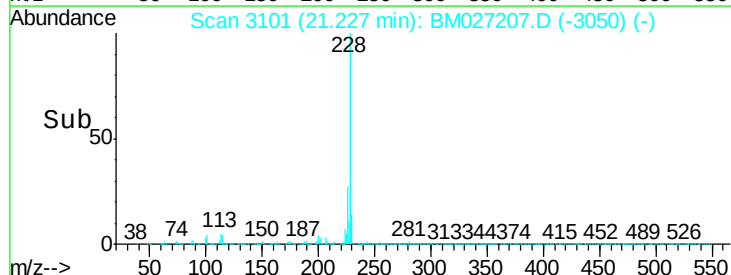
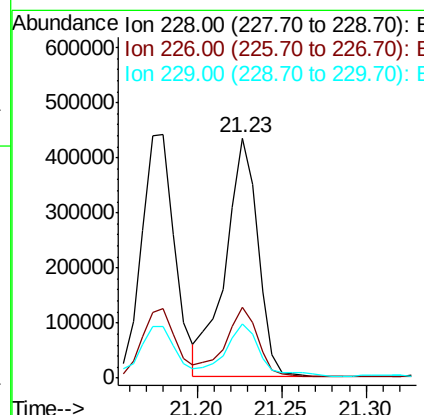
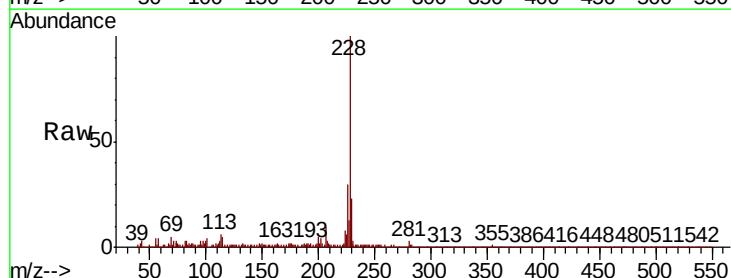
Manual Integrations
APPROVED

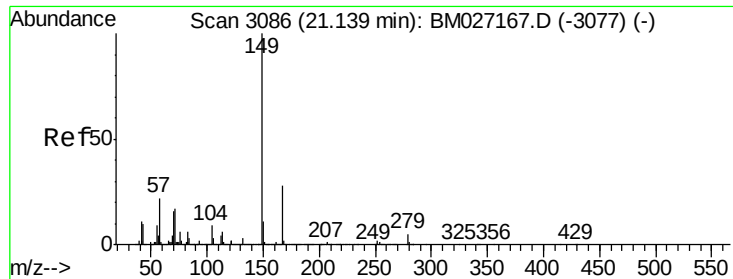
mohammad
8/25/2020 4:18:34 PM



#83
Chrysene
Concen: 12.367 ng
RT: 21.23 min Scan# 3101
Delta R.T. 0.00 min
Lab File: BM027207.D
Acq: 24 Aug 2020 23:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.7	35.5
229	22.7	15.8	23.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 6.133 ng

RT: 21.13 min Scan# 3084

Delta R.T. -0.01 min

Lab File: BM027207.D

Acq: 24 Aug 2020 23:04

Instrument :

BNA_M

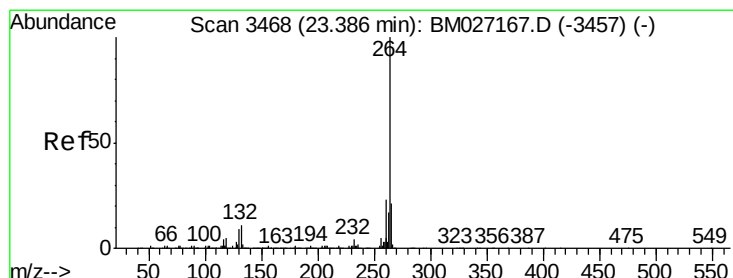
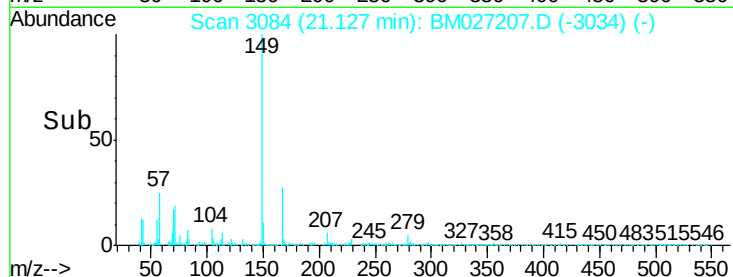
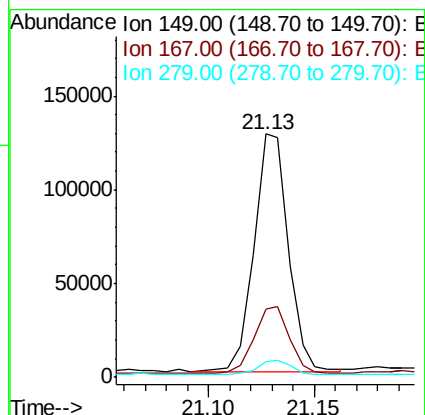
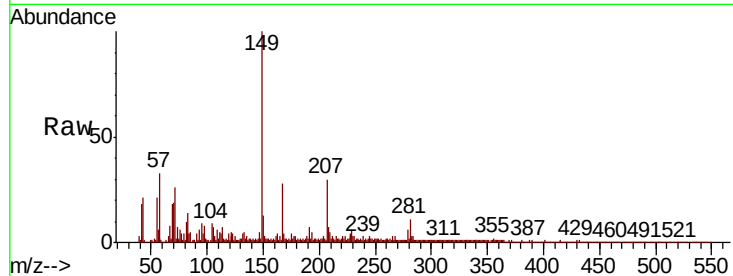
ClientSampleId :

MP-081920-B9-0-2-COMP

Tot Ion:	149	Resp:	144814
Ion Ratio	Lower	Upper	
149	100		
167	28.1	22.2	33.2
279	6.3	4.2	6.4

Manual Integrations
APPROVED

mohammad
8/25/2020 4:18:34 PM



#86

Perylene-d12

Concen: 20.000 ng

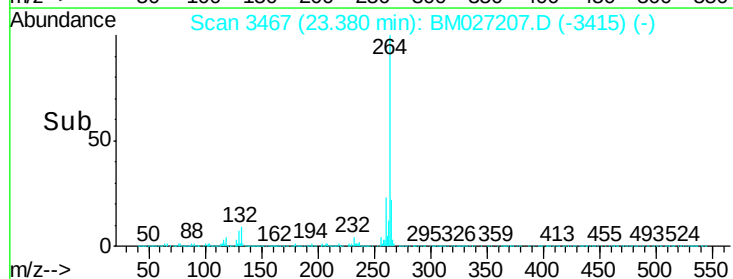
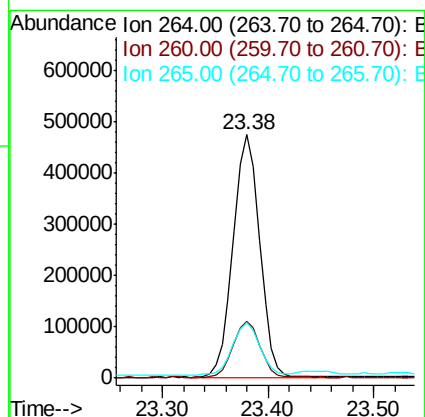
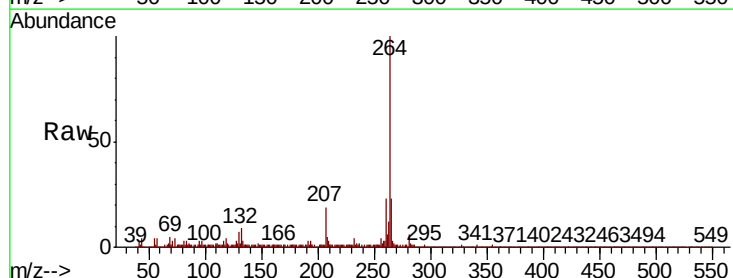
RT: 23.38 min Scan# 3467

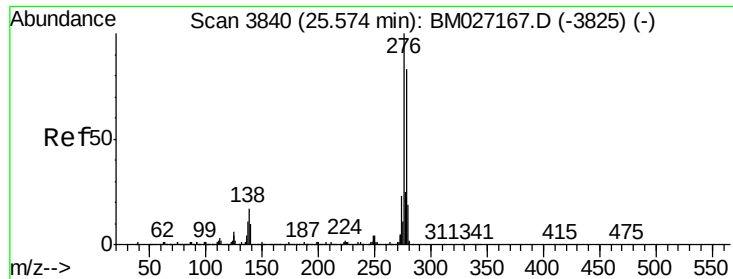
Delta R.T. 0.01 min

Lab File: BM027207.D

Acq: 24 Aug 2020 23:04

Tgt Ion:	264	Resp:	820158
Ion Ratio	Lower	Upper	
264	100		
260	23.2	18.8	28.2
265	23.0	17.5	26.3





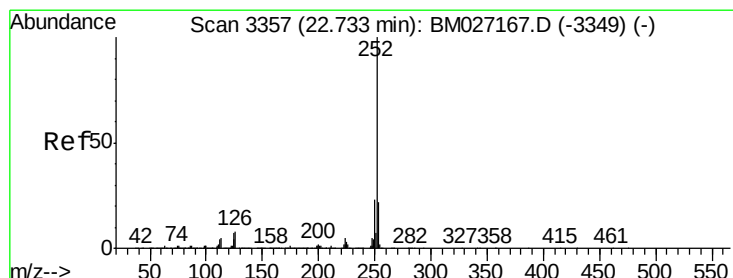
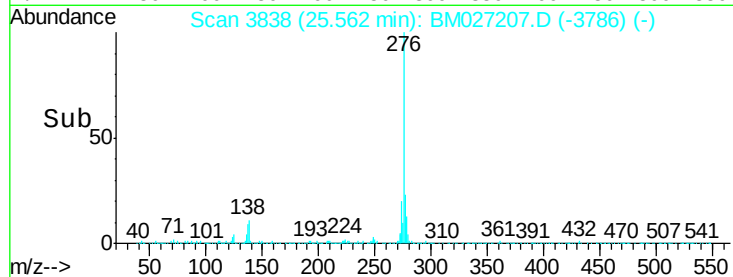
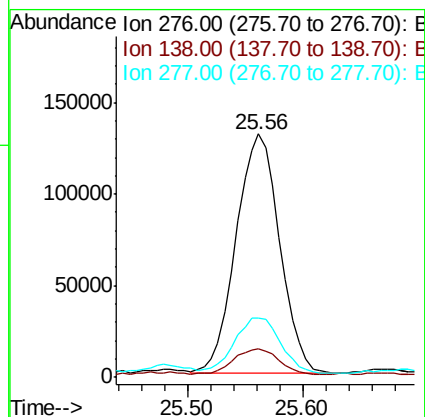
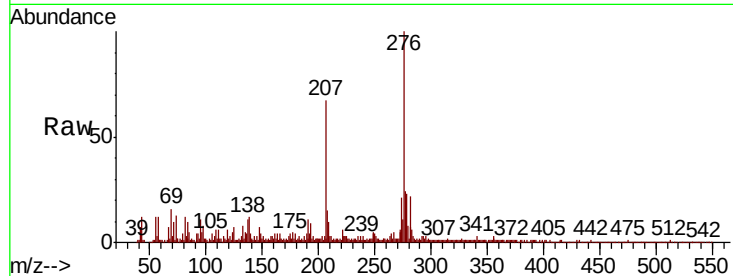
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.328 ng
 RT: 25.56 min Scan# 3838
 Delta R.T. 0.01 min
 Lab File: BM027207.D
 Acq: 24 Aug 2020 23:04

Instrument :
 BNA_M
 ClientSampleId :
 MP-081920-B9-0-2-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	11.6	13.3	19.9#
277	24.5	20.0	30.0

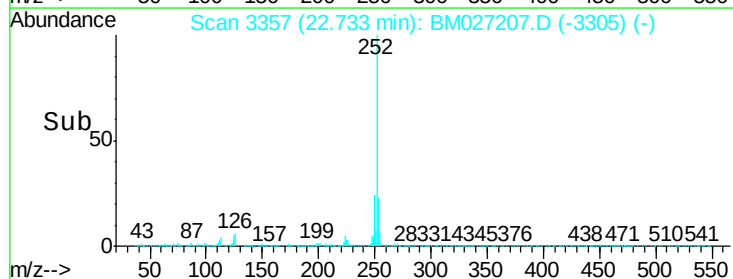
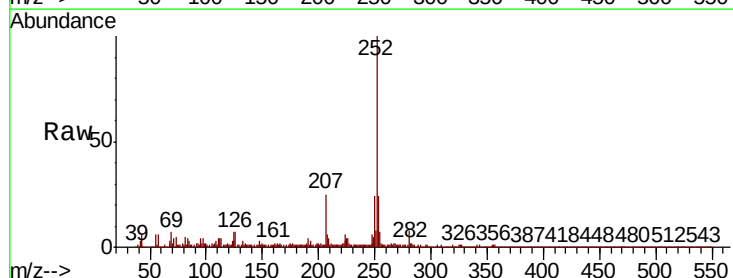
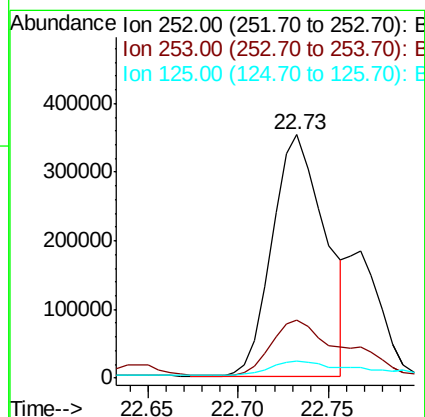
Manual Integrations
 APPROVED

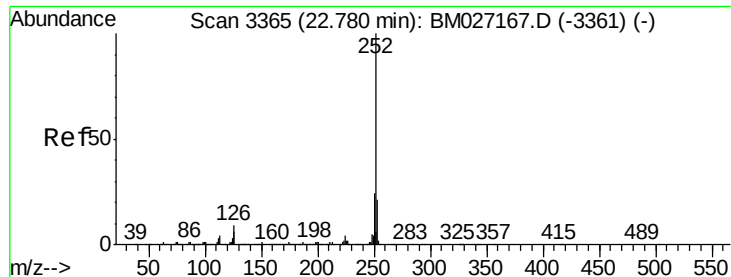
mohammad
 8/25/2020 4:18:34 PM



#88
 Benzo(b)fluoranthene
 Concen: 13.091 ng m
 RT: 22.73 min Scan# 3357
 Delta R.T. 0.01 min
 Lab File: BM027207.D
 Acq: 24 Aug 2020 23:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.7	26.5
125	6.8	5.4	8.0





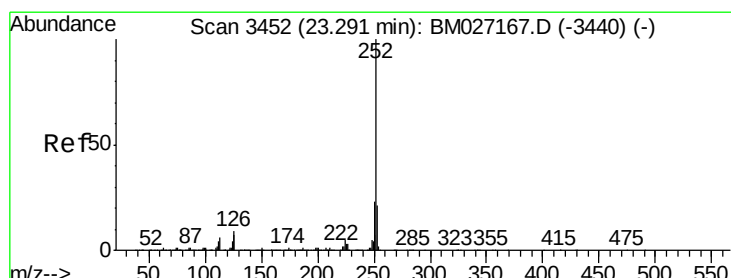
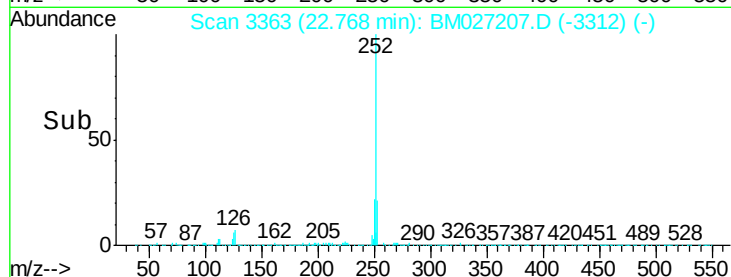
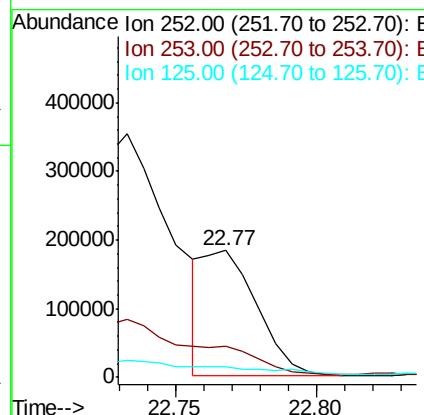
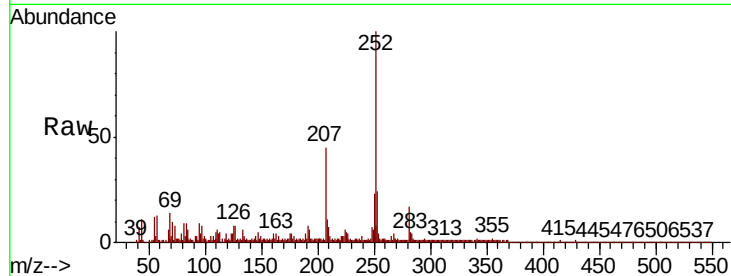
#89
Benzo(k)fluoranthene
Concen: 4.402 ng m
RT: 22.77 min Scan# 3363
Delta R.T. 0.00 min
Lab File: BM027207.D
Acq: 24 Aug 2020 23:04

Instrument :
BNA_M
ClientSampleId :
MP-081920-B9-0-2-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.4	26.0
125	8.1	5.3	7.9

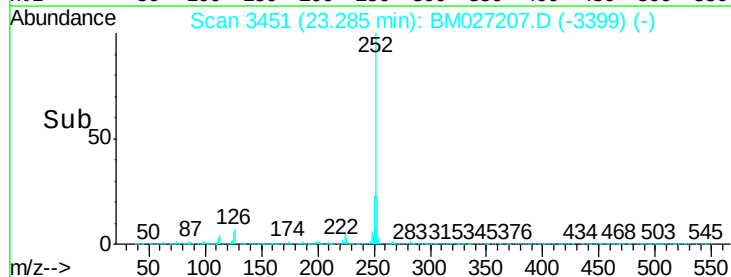
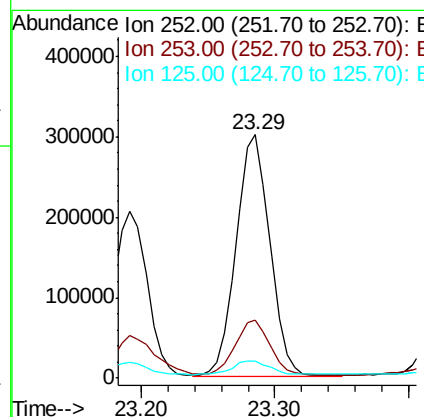
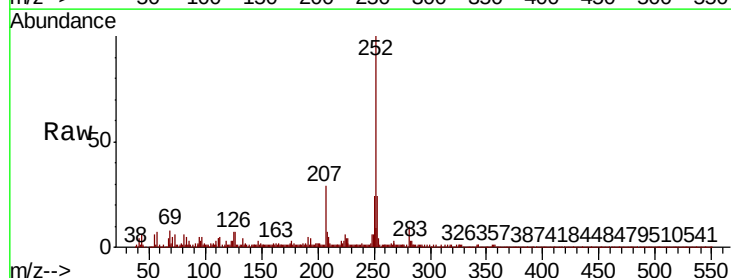
Manual Integrations
APPROVED

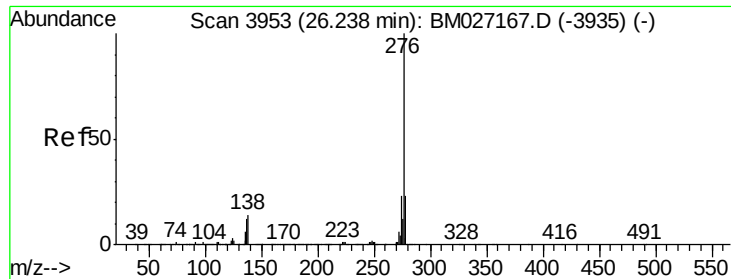
mohammad
8/25/2020 4:18:34 PM



#90
Benzo(a)pyrene
Concen: 10.584 ng
RT: 23.29 min Scan# 3451
Delta R.T. 0.01 min
Lab File: BM027207.D
Acq: 24 Aug 2020 23:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	7.2	5.8	8.6





#92
 Benzo(a,h,i)perylene
 Concen: 6.399 ng
 RT: 26.23 min Scan# 3952
 Delta R.T. 0.01 min
 Lab File: BM027207.D
 Acq: 24 Aug 2020 23:04

Instrument :
 BNA_M
 ClientSampleId :
 MP-081920-B9-0-2-COMP

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	25.5	18.6	28.0
138	11.9	11.4	17.0

Manual Integrations
 APPROVED

mohammad
 8/25/2020 4:18:34 PM

