

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081820\
 Data File : BM027123.D
 Acq On : 18 Aug 2020 12:25
 Operator : JU/CG
 Sample : L1955-03
 Misc : MDL-S-03-0.07PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03

Manual Integrations
 APPROVED

mohammad
 8/19/2020 2:24:42 PM

Quant Time: Aug 18 13:03:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM081720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 18 11:17:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	972	0.40	ng/ul	0.00
2) Naphthalene-d8	10.40	136	2969	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.27	164	1847	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	4149	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	4091	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	4206	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	1788	0.36	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	4534	0.38	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.45	128	463	0.052	ng/ul#	64
5) 2-Methylnaphthalene	12.08	142	282	0.046	ng/ul	97
7) Acenaphthylene	13.99	152	395	0.049	ng/ul#	71
8) Acenaphthene	14.33	153	347	0.050	ng/ul	89
9) Fluorene	15.32	166	410	0.049	ng/ul#	94
11) Pentachlorophenol	16.69	266	71m	0.052	ng/ul	
12) Phenanthrene	17.06	178	763	0.054	ng/ul#	80
13) Anthracene	17.15	178	603	0.047	ng/ul#	72
15) Fluoranthene	19.08	202	905	0.054	ng/ul	81
17) Pyrene	19.44	202	891	0.051	ng/ul#	79
18) Benzo(a)anthracene	21.19	228	885	0.054	ng/ul#	84
19) Chrysene	21.24	228	1171	0.067	ng/ul#	91
21) Benzo(b)fluoranthene	22.75	252	1098	0.061	ng/ul#	55
22) Benzo(k)fluoranthene	22.80	252	1099	0.059	ng/ul#	48
23) Benzo(a)pyrene	23.31	252	941	0.058	ng/ul#	40
24) Indeno(1,2,3-cd)pyrene	25.59	276	1232	0.055	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.61	278	1042	0.057	ng/ul#	43
26) Benzo(g,h,i)perylene	26.25	276	1113	0.057	ng/ul#	74

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

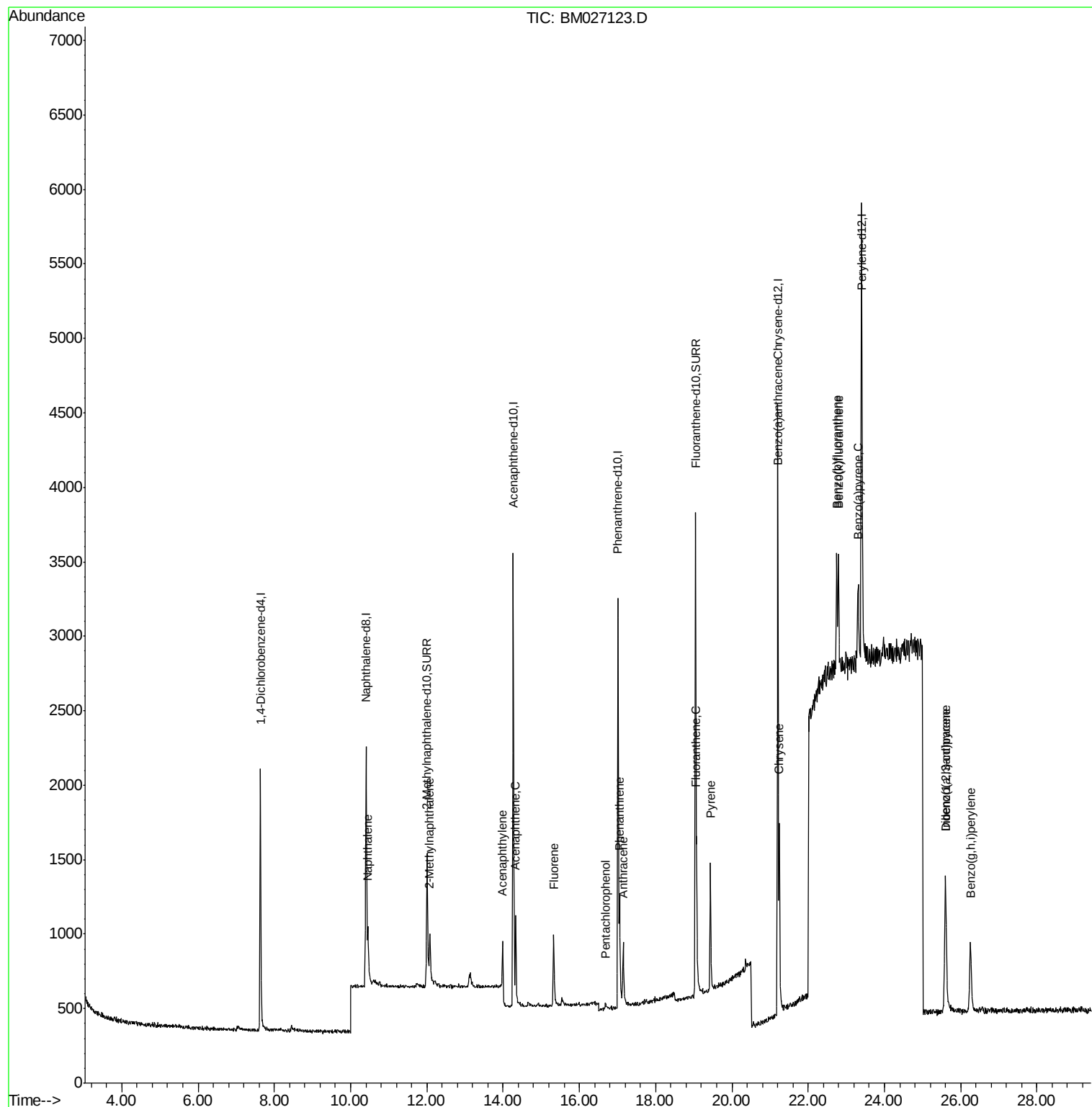
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081820\
Data File : BM027123.D
Acq On : 18 Aug 2020 12:25
Operator : JU/CG
Sample : L1955-03
Misc : MDL-S-03-0.07PPM
ALS Vial : 8 Sample Multiplier: 1

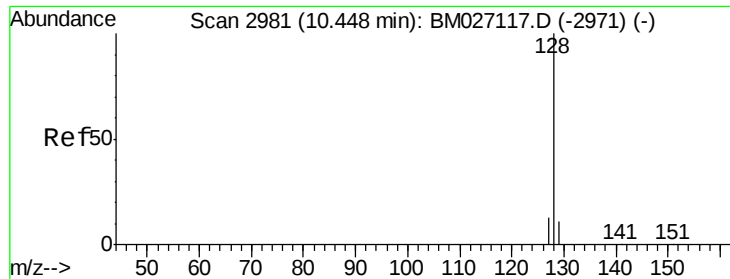
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03

Manual Integrations
APPROVED

mohammad
8/19/2020 2:24:42 PM

Quant Time: Aug 18 13:03:28 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM081720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 18 11:17:38 2020
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.052 ng/ul

RT: 10.45 min Scan# 2982

Delta R.T. 0.00 min

Lab File: BM027123.D

Acq: 18 Aug 2020 12:25

Instrument :

BNA_M

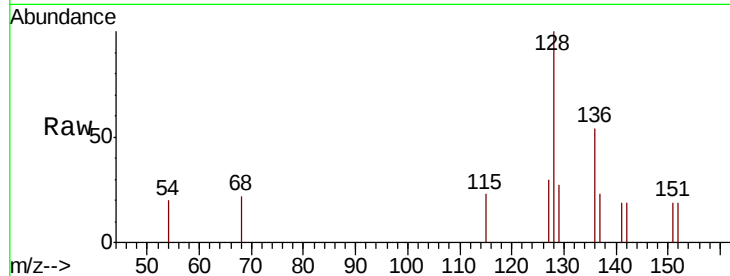
ClientSampleId :

MDL-SOIL-03

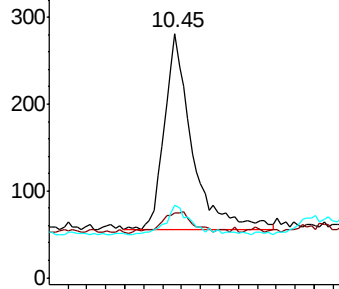
Tot Ion:	128	Resp:	463
Ion	Ratio	Lower	Upper
128	100		
129	26.7	10.1	15.1#
127	29.5	11.6	17.4#

Manual Integrations
APPROVED

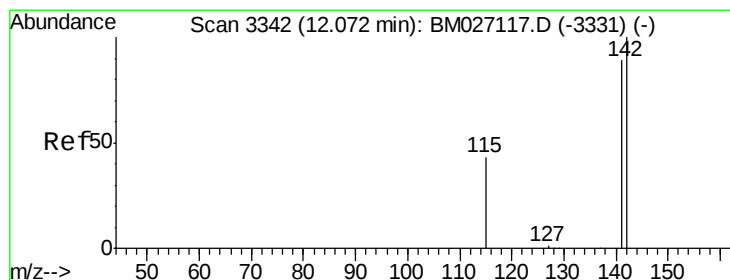
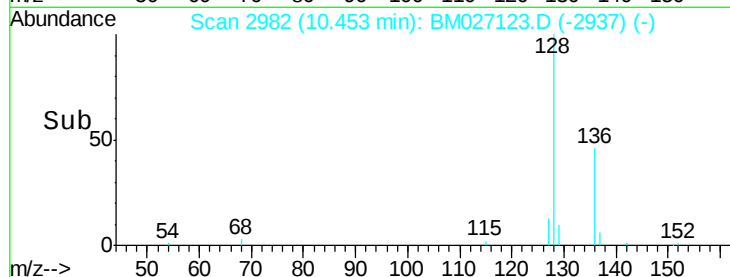
mohammad
8/19/2020 2:24:42 PM



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



Time-->



#5

2-Methylnaphthalene

Concen: 0.046 ng/ul

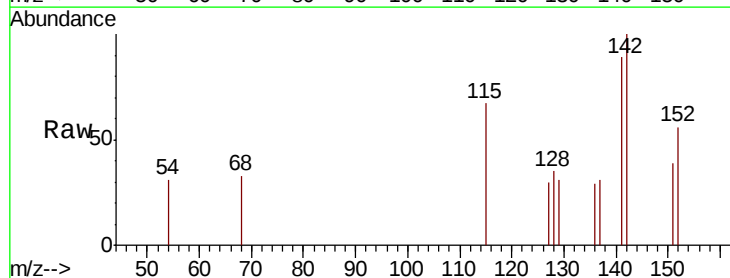
RT: 12.08 min Scan# 3343

Delta R.T. 0.00 min

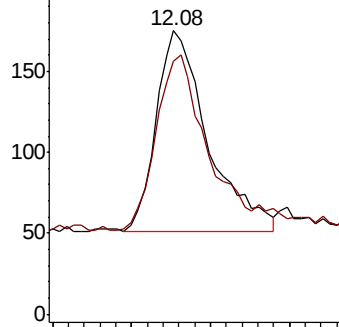
Lab File: BM027123.D

Acq: 18 Aug 2020 12:25

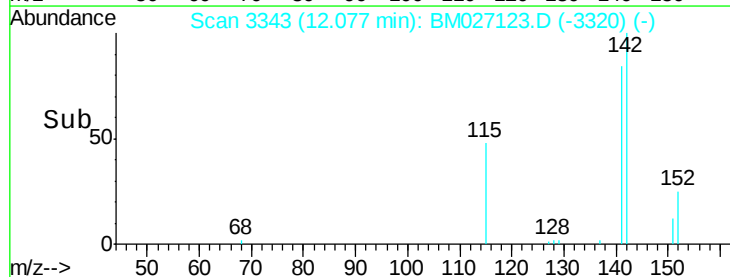
Tgt Ion:	142	Resp:	282
Ion	Ratio	Lower	Upper
142	100		
141	94.3	72.9	109.3

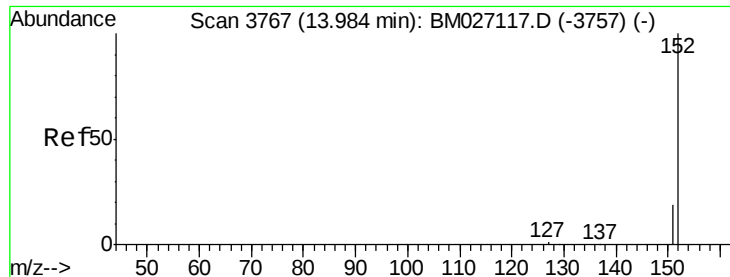


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E



Time-->





#7

Acenaphthylene

Concen: 0.049 ng/ul

RT: 13.99 min Scan# 3768

Delta R.T. 0.00 min

Lab File: BM027123.D

Acq: 18 Aug 2020 12:25

Instrument :

BNA_M

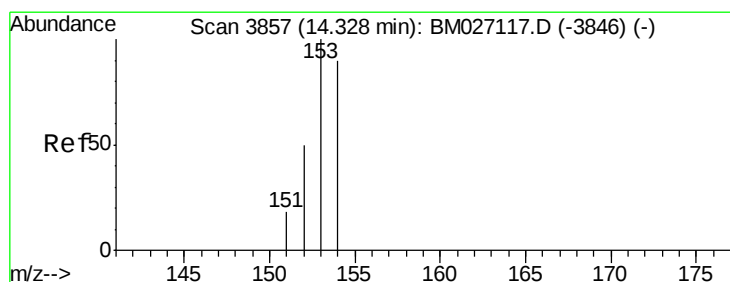
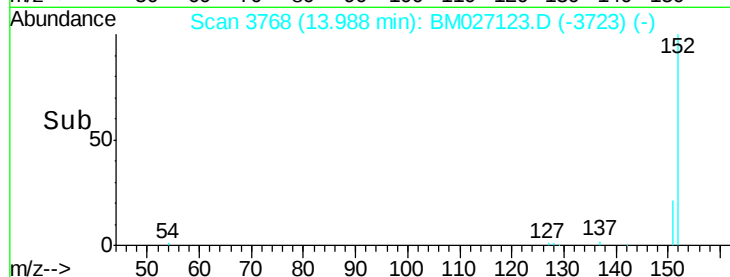
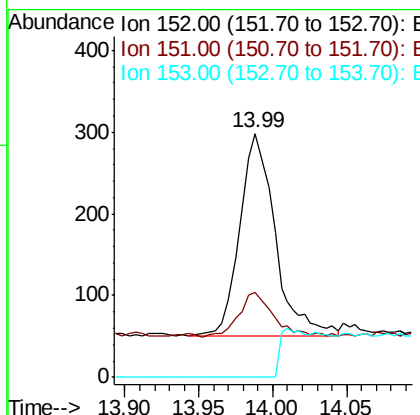
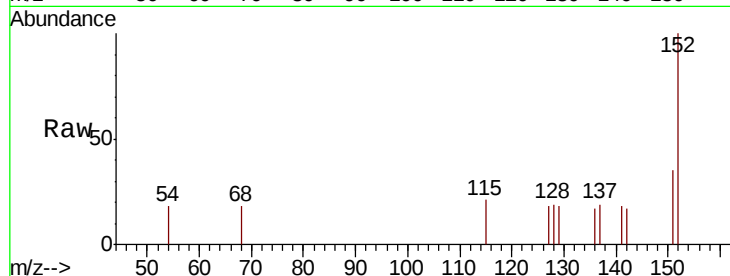
ClientSampleId :

MDL-SOIL-03

Tot Ion	Ratio	Lower	Upper
152	100		
151	34.9	16.9	25.3#
153	0.0	0.0	0.0

Manual Integrations
APPROVED

mohammad
8/19/2020 2:24:42 PM



#8

Acenaphthene

Concen: 0.050 ng/ul

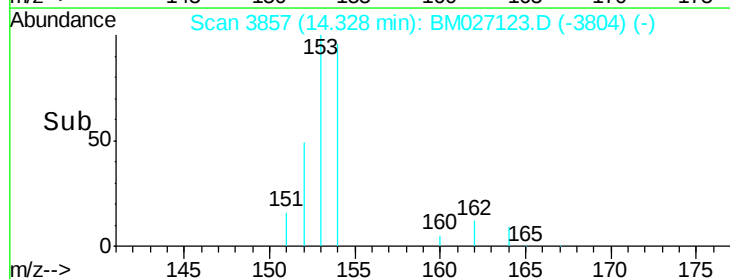
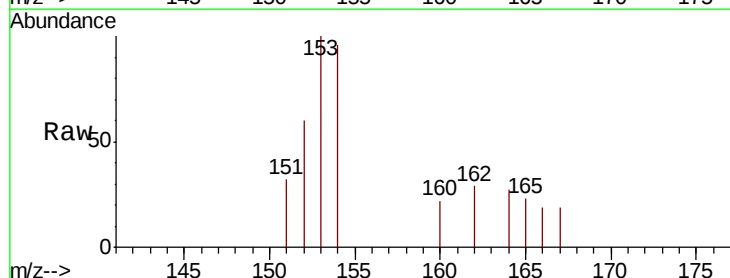
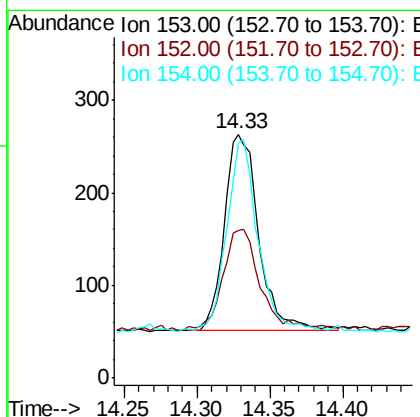
RT: 14.33 min Scan# 3857

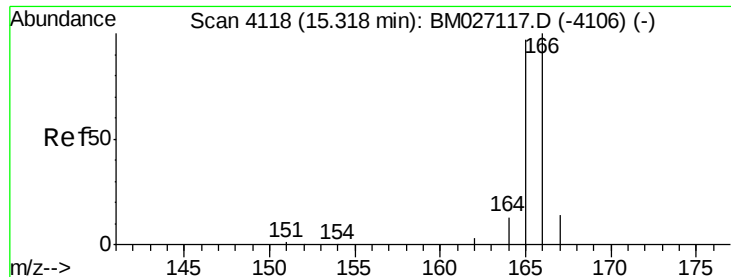
Delta R.T. 0.00 min

Lab File: BM027123.D

Acq: 18 Aug 2020 12:25

Tgt Ion	Ratio	Lower	Upper
153	100		
152	60.5	40.9	61.3
154	96.2	70.0	105.0





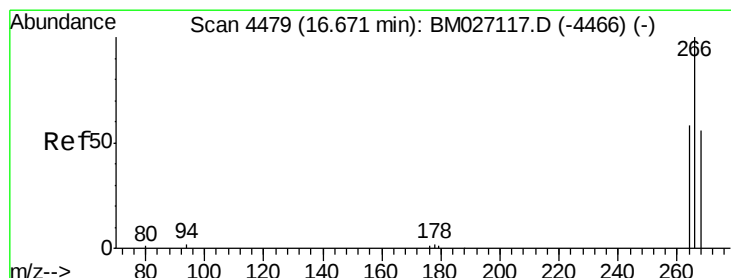
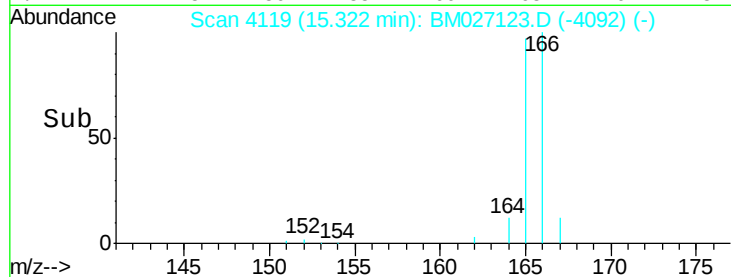
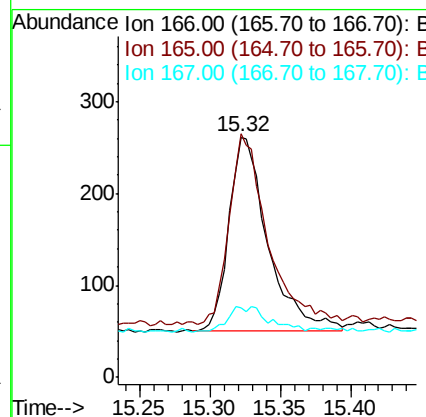
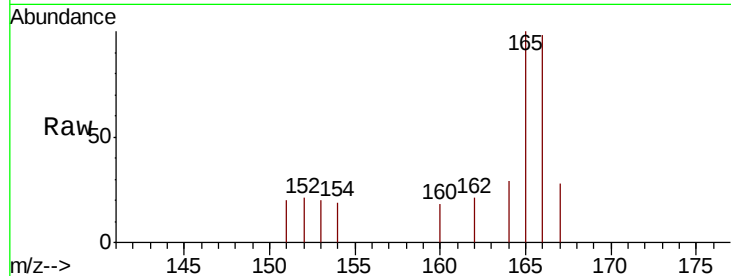
#9
Fluorene
 Concen: 0.049 ng/ul
 RT: 15.32 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: BM027123.D
 Acq: 18 Aug 2020 12:25

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.5	79.8	119.6
167	28.7	12.1	18.1

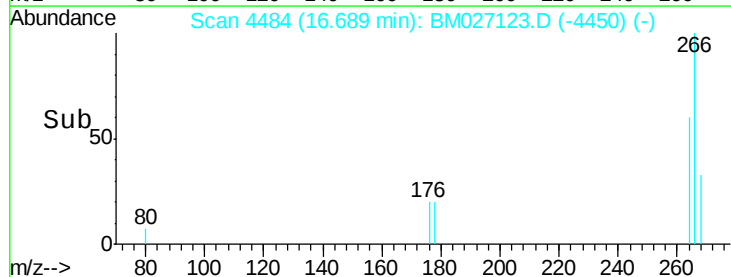
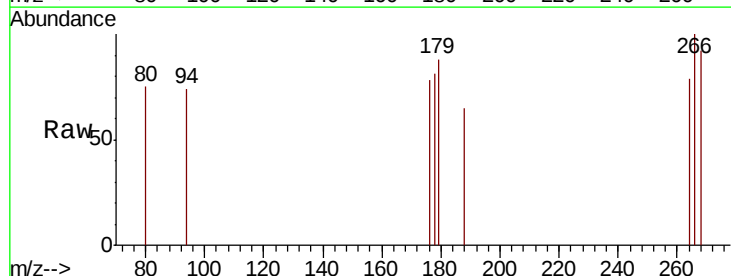
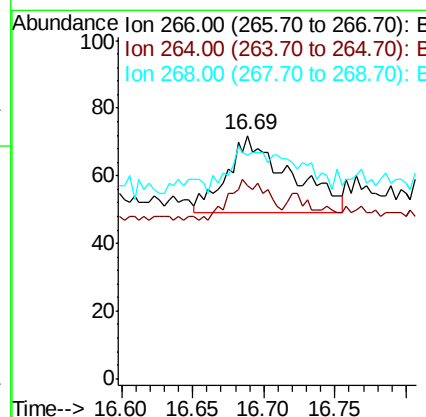
Manual Integrations
 APPROVED

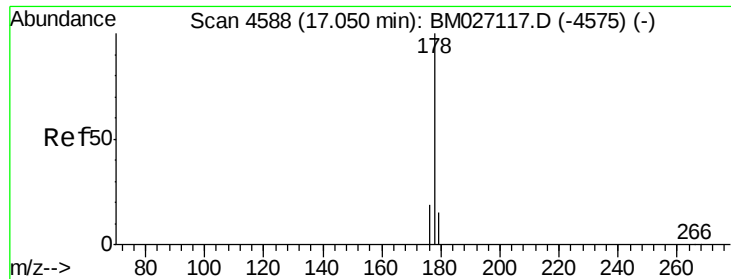
mohammad
 8/19/2020 2:24:42 PM



#11
Pentachlorophenol
 Concen: 0.052 ng/ul m
 RT: 16.69 min Scan# 4484
 Delta R.T. 0.02 min
 Lab File: BM027123.D
 Acq: 18 Aug 2020 12:25

Tgt Ion	Ratio	Lower	Upper
266	100		
264	4.2	47.8	71.8
268	5.6	48.5	72.7





#12

Phenanthrene

Concen: 0.054 ng/ul

RT: 17.06 min Scan# 4590

Delta R.T. 0.01 min

Lab File: BM027123.D

Acq: 18 Aug 2020 12:25

Instrument :

BNA_M

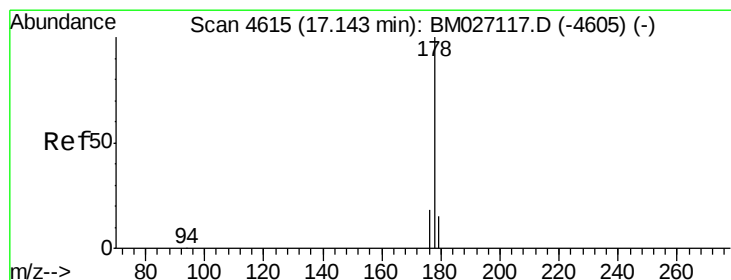
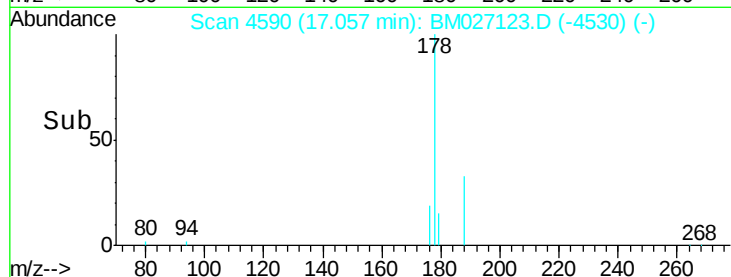
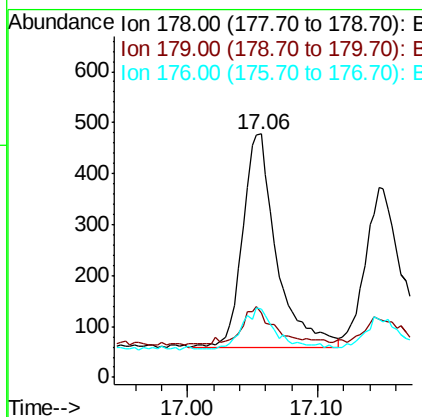
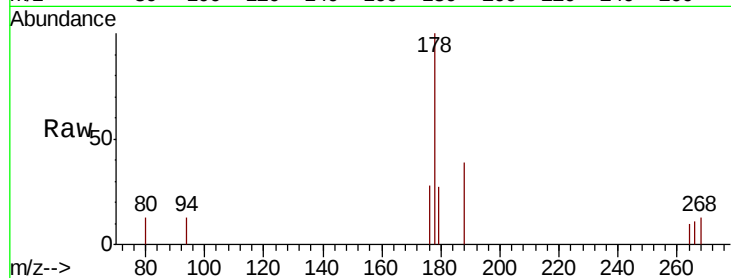
ClientSampleId :

MDL-SOIL-03

Tot Ion:178	Resp:	763
Ion Ratio	Lower	Upper
178	100	
179	26.6	13.4 20.2#
176	28.0	16.0 24.0#

Manual Integrations
APPROVED

mohammad
8/19/2020 2:24:42 PM



#13

Anthracene

Concen: 0.047 ng/ul

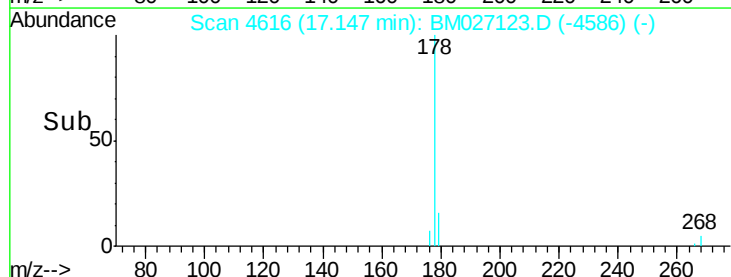
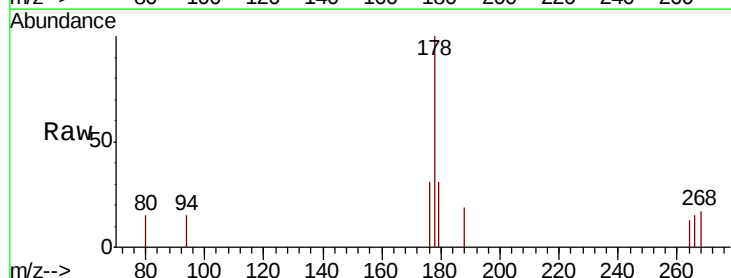
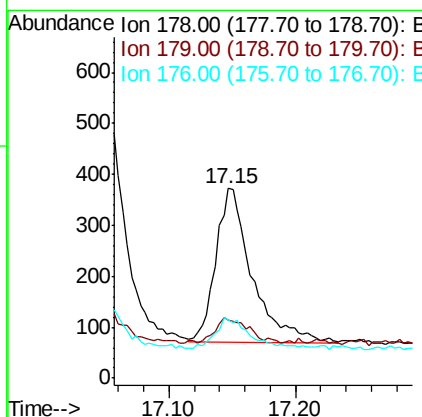
RT: 17.15 min Scan# 4616

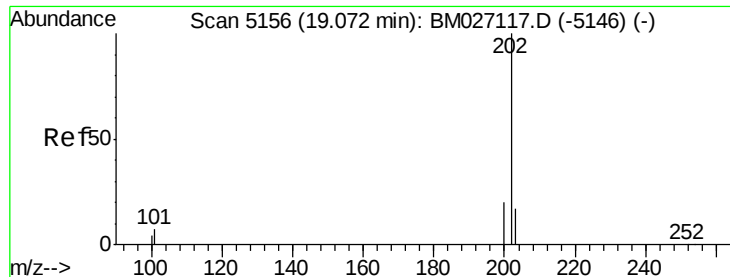
Delta R.T. 0.00 min

Lab File: BM027123.D

Acq: 18 Aug 2020 12:25

Tgt Ion:178	Resp:	603
Ion Ratio	Lower	Upper
178	100	
179	30.6	13.7 20.5#
176	30.6	15.5 23.3#





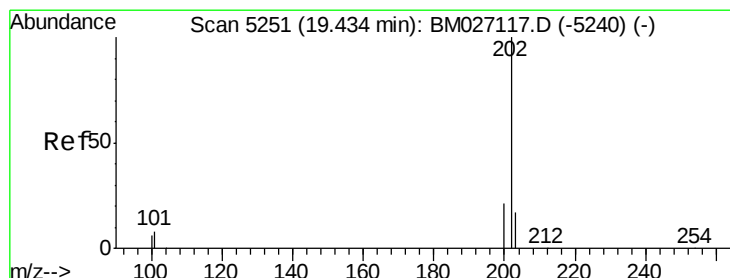
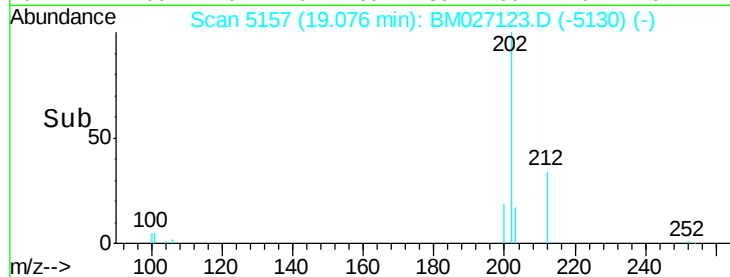
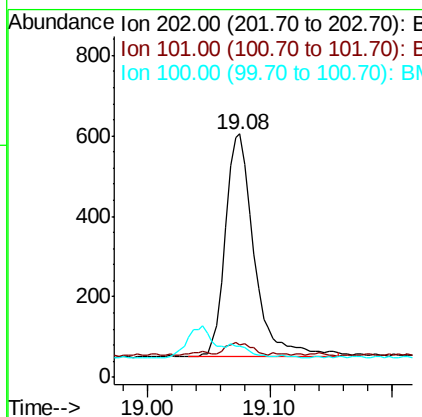
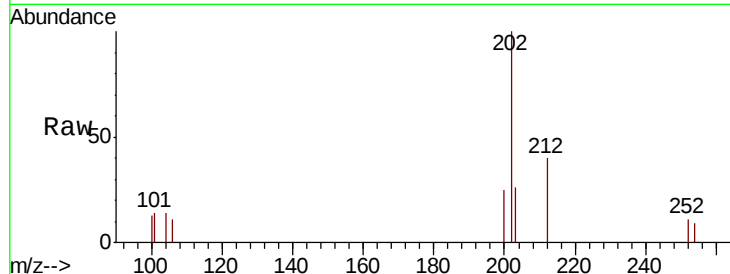
#15
Fluoranthene
Concen: 0.054 ng/ul
RT: 19.08 min Scan# 5157
Delta R.T. 0.00 min
Lab File: BM027123.D
Acq: 18 Aug 2020 12:25

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	13.6	0.0	27.1	
100	12.6	0.0	25.7	

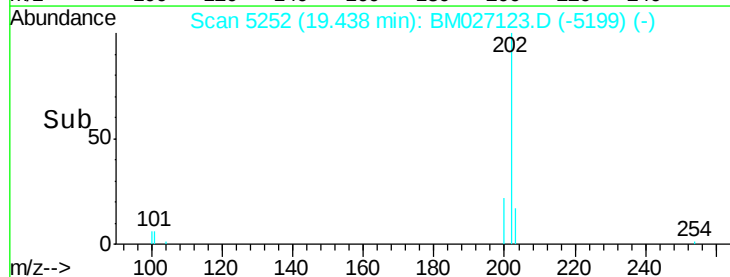
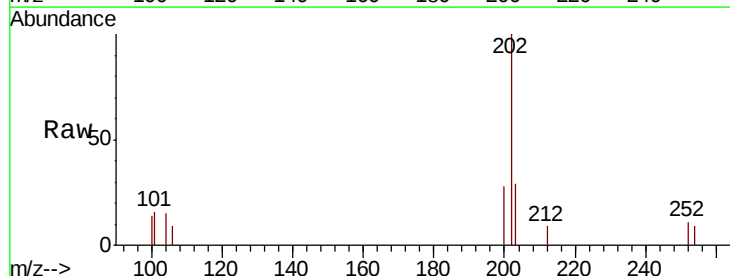
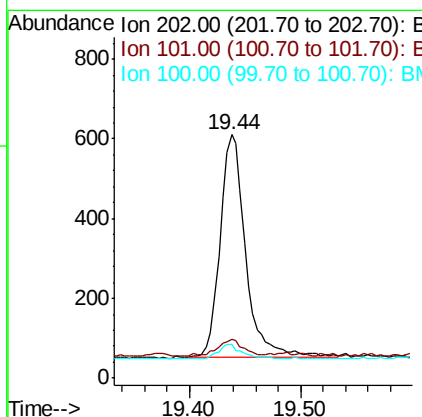
Manual Integrations
APPROVED

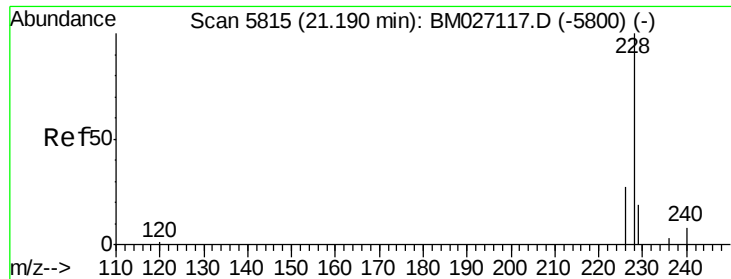
mohammad
8/19/2020 2:24:42 PM



#17
Pyrene
Concen: 0.051 ng/ul
RT: 19.44 min Scan# 5252
Delta R.T. 0.00 min
Lab File: BM027123.D
Acq: 18 Aug 2020 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	16.0	6.6	9.8#	
100	14.1	5.6	8.4#	





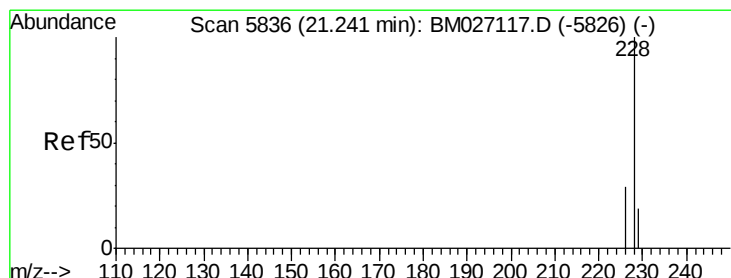
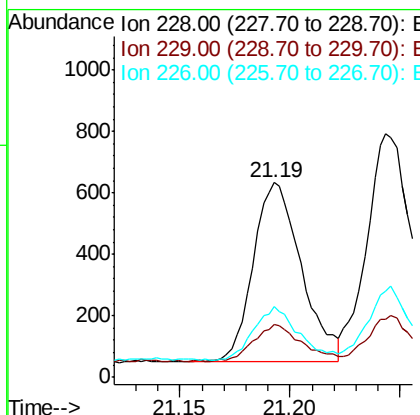
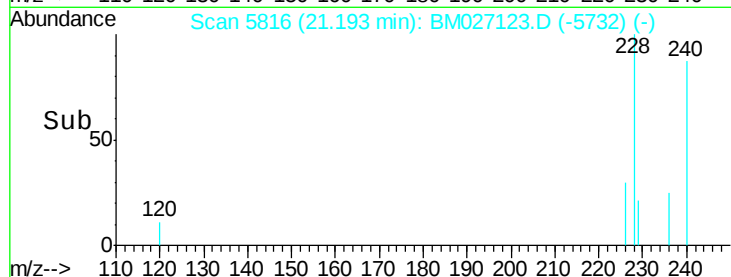
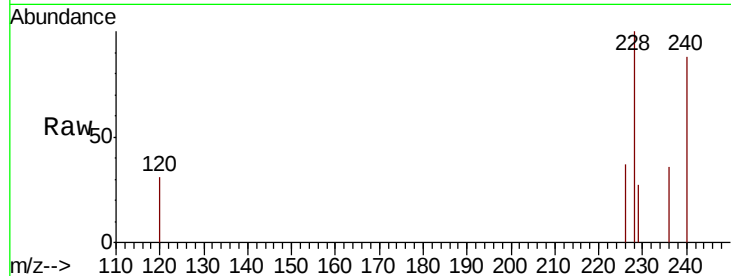
#18
Benzo(a)anthracene
Concen: 0.054 ng/ul
RT: 21.19 min Scan# 5816
Delta R.T. 0.00 min
Lab File: BM027123.D
Acq: 18 Aug 2020 12:25

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03

Tot Ion	Ratio	Lower	Upper
228	100		
229	27.3	16.2	24.4#
226	36.6	22.4	33.6#

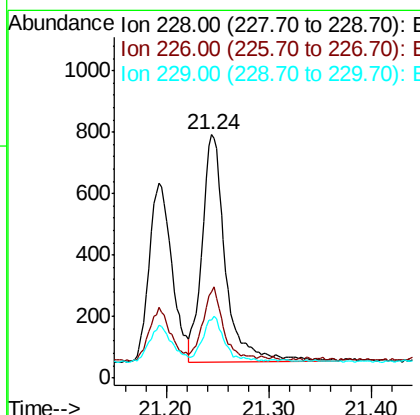
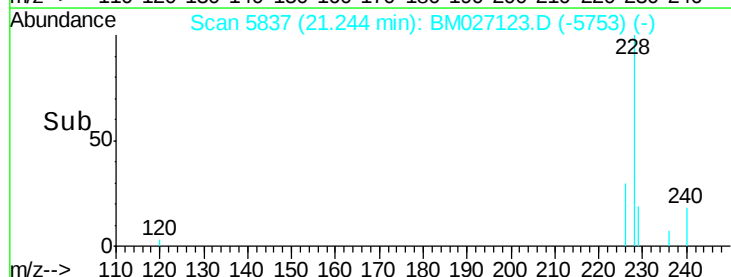
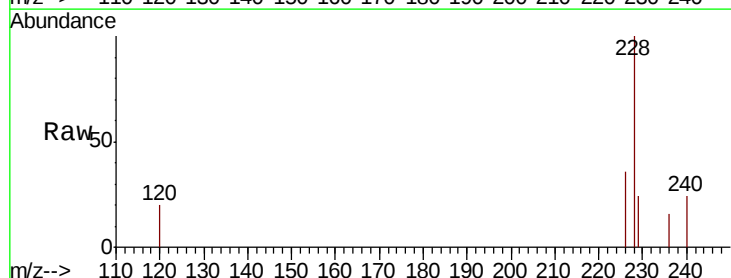
Manual Integrations
APPROVED

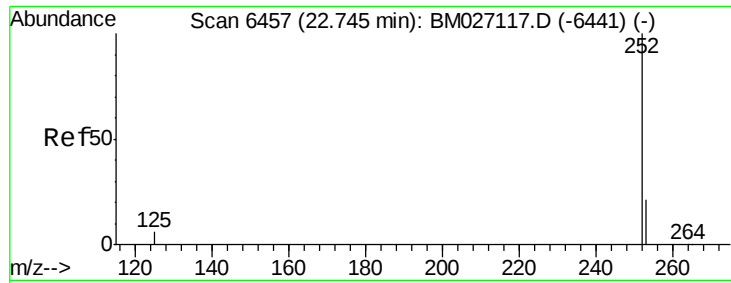
mohammad
8/19/2020 2:24:42 PM



#19
Chrysene
Concen: 0.067 ng/ul
RT: 21.24 min Scan# 5837
Delta R.T. 0.00 min
Lab File: BM027123.D
Acq: 18 Aug 2020 12:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.6	24.6	36.8
229	24.0	15.9	23.9#





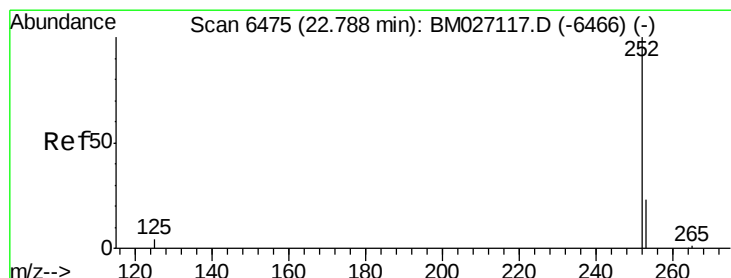
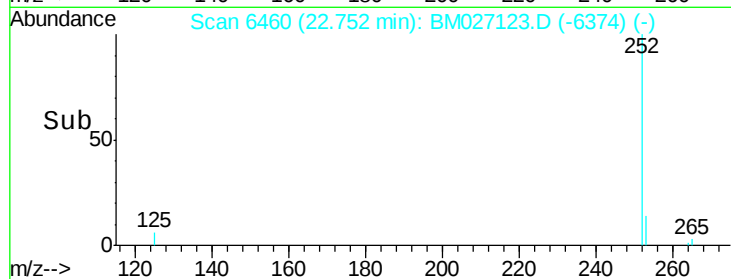
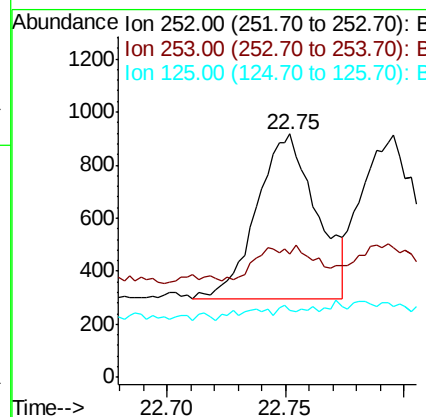
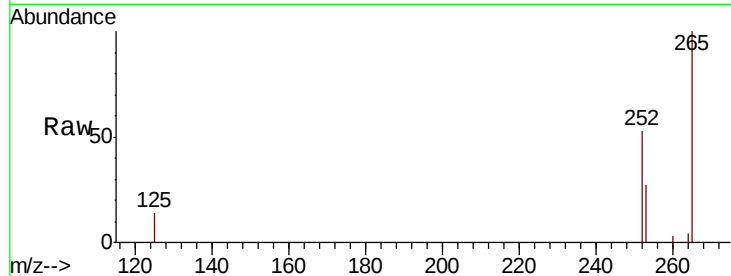
#21
Benzo(b)fluoranthene
Concen: 0.061 ng/ul
RT: 22.75 min Scan# 6460
Delta R.T. 0.01 min
Lab File: BM027123.D
Acq: 18 Aug 2020 12:25

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03

Tot Ion	Ratio	Lower	Upper
252	100		
253	50.4	0.0	54.0
125	27.6	0.0	20.8

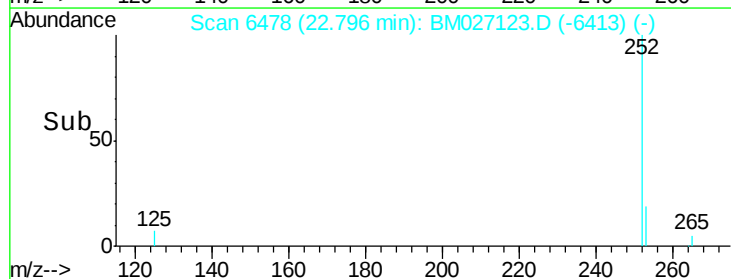
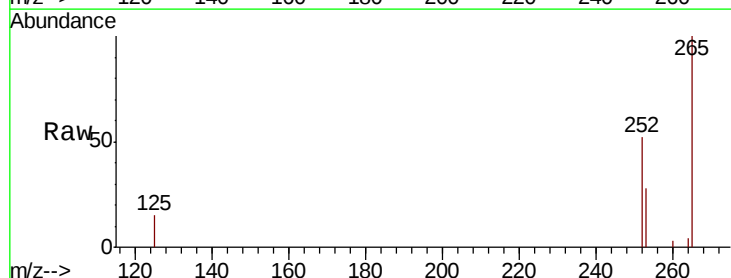
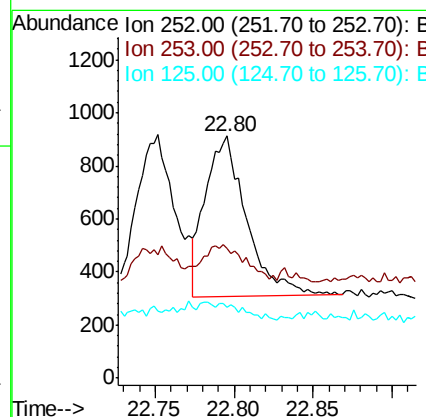
Manual Integrations
APPROVED

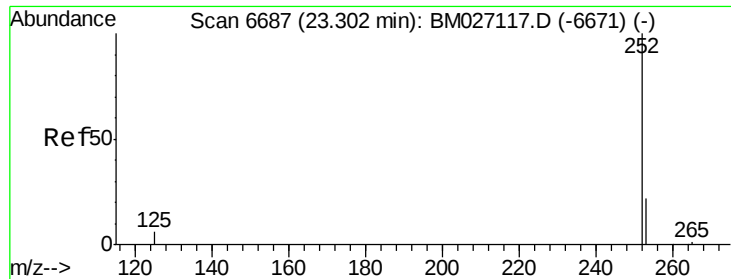
mohammad
8/19/2020 2:24:42 PM



#22
Benzo(k)fluoranthene
Concen: 0.059 ng/ul
RT: 22.80 min Scan# 6478
Delta R.T. 0.01 min
Lab File: BM027123.D
Acq: 18 Aug 2020 12:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	53.8	21.7	32.5
125	29.1	7.9	11.9





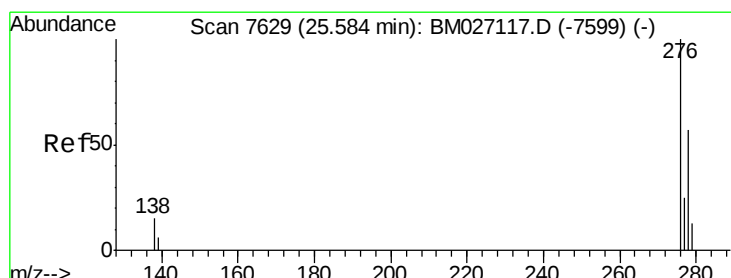
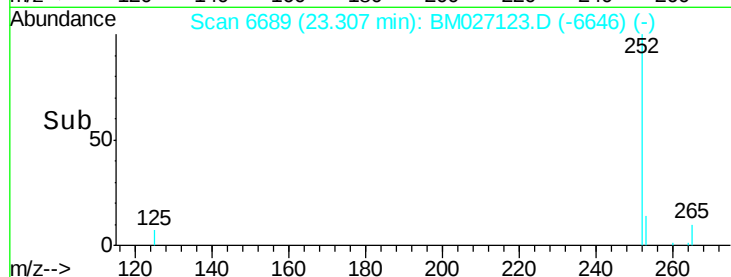
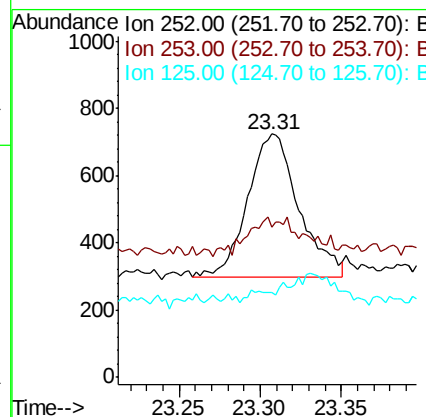
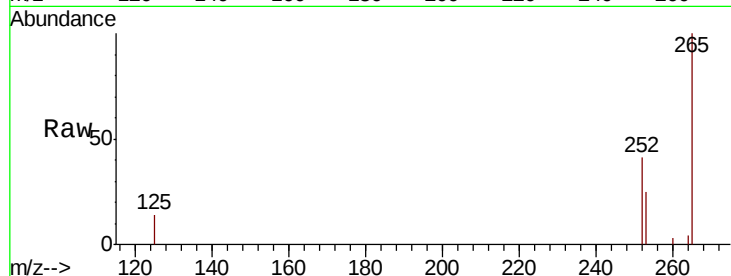
#23
Benzo(a)pyrene
Concen: 0.058 ng/u1
RT: 23.31 min Scan# 6689
Delta R.T. 0.00 min
Lab File: BM027123.D
Acq: 18 Aug 2020 12:25

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03

Tot Ion	Ratio	Lower	Upper
252	100		
253	61.5	23.4	35.0#
125	35.0	9.4	14.2#

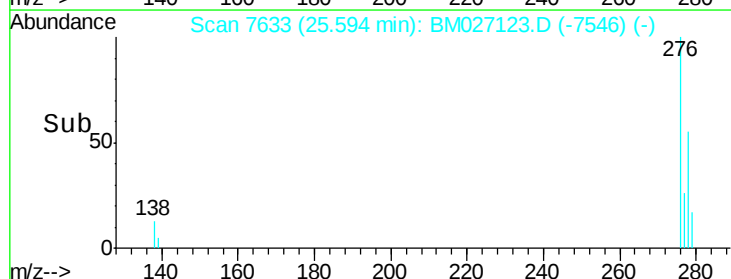
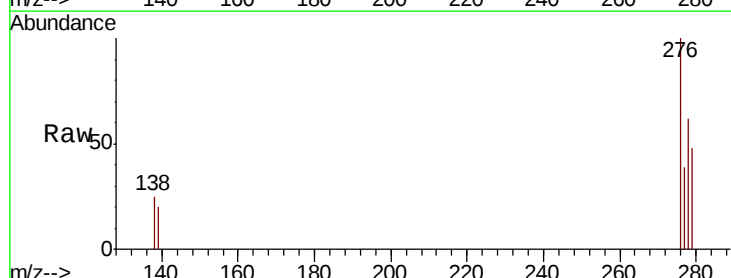
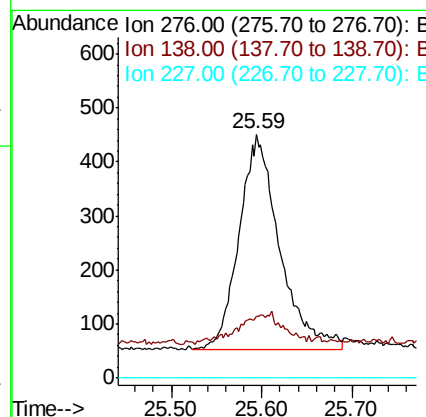
Manual Integrations
APPROVED

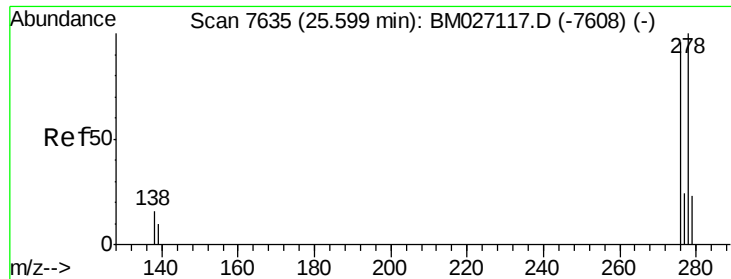
mohammad
8/19/2020 2:24:42 PM



#24
Indeno(1,2,3-cd)pyrene
Concen: 0.055 ng/u1
RT: 25.59 min Scan# 7633
Delta R.T. 0.01 min
Lab File: BM027123.D
Acq: 18 Aug 2020 12:25

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.8	12.2	18.2
227	0.0	0.0	0.0





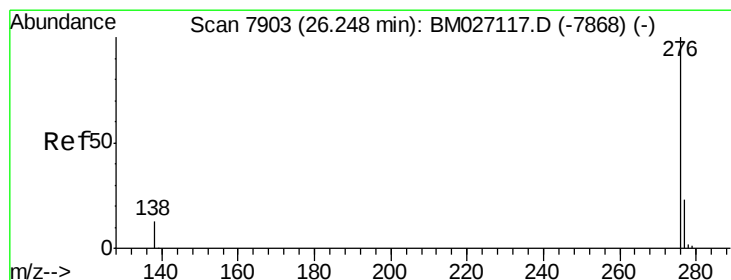
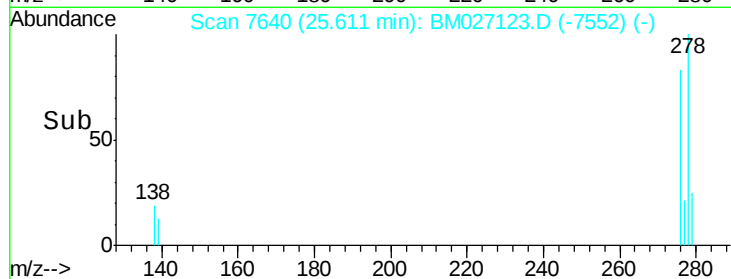
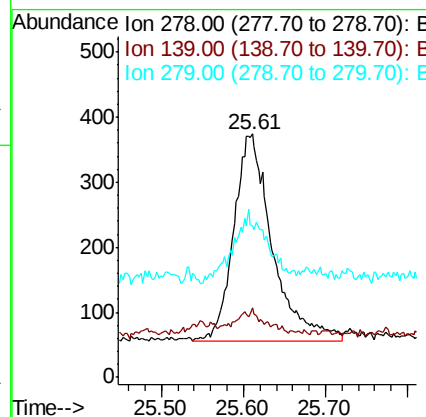
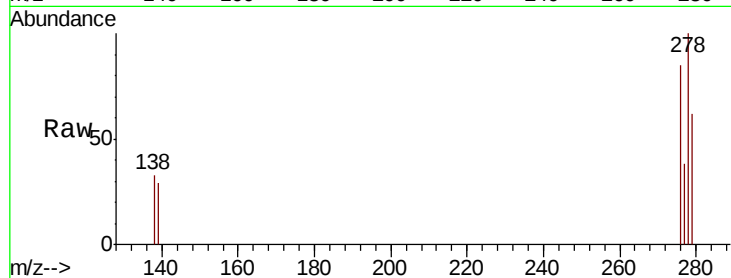
#25
Dibenzo(a,h)anthracene
Concen: 0.057 ng/u1
RT: 25.61 min Scan# 7640
Delta R.T. 0.01 min
Lab File: BM027123.D
Acq: 18 Aug 2020 12:25

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03

Tot Ion	Ratio	Lower	Upper
278	100		
139	28.9	10.0	15.0#
279	62.3	22.9	34.3#

Manual Integrations
APPROVED

mohammad
8/19/2020 2:24:42 PM



#26
Benzo(g,h,i)perylene
Concen: 0.057 ng/u1
RT: 26.25 min Scan# 7903
Delta R.T. 0.00 min
Lab File: BM027123.D
Acq: 18 Aug 2020 12:25

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.9	12.0	18.0#
277	38.0	20.9	31.3#

