

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081920\
 Data File : BM027142.D
 Acq On : 19 Aug 2020 16:36
 Operator : JU/CG
 Sample : L1955-05
 Misc : MDL-S-05-0.07PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-05

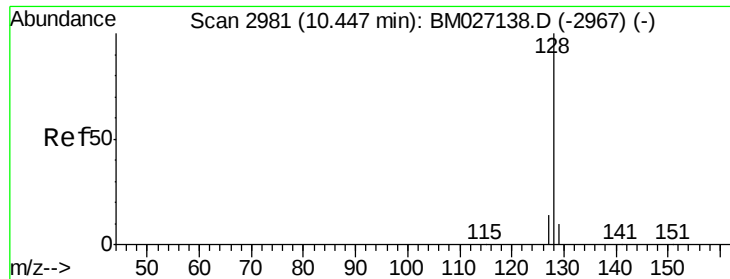
Manual Integrations
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 8/20/2020 12:24:24 PM

Quant Time: Aug 19 17:38:23 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 : Wed Aug 19 11:15:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	659	0.40	ng/ul	0.00
2) Naphthalene-d8	10.40	136	2017	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	1390	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	3236	0.40	ng/ul	0.00
16) Chrysene-d12	21.20	240	3177	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	3201	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	1286	0.38	ng/ul	0.00
14) Fluoranthene-d10	19.04	212	3640	0.39	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.45	128	356	0.059	ng/ul#	48
5) 2-Methylnaphthalene	12.07	142	231	0.056	ng/ul	96
7) Acenaphthylene	13.99	152	341	0.056	ng/ul#	74
8) Acenaphthene	14.33	153	306	0.058	ng/ul	93
9) Fluorene	15.32	166	395	0.063	ng/ul#	95
11) Pentachlorophenol	16.67	266	86m	0.081	ng/ul	
12) Phenanthrene	17.05	178	665	0.061	ng/ul#	80
13) Anthracene	17.14	178	575	0.058	ng/ul#	74
15) Fluoranthene	19.07	202	826	0.063	ng/ul	80
17) Pyrene	19.44	202	843	0.062	ng/ul#	85
18) Benzo(a)anthracene	21.19	228	799	0.063	ng/ul#	90
19) Chrysene	21.24	228	999	0.073	ng/ul#	90
21) Benzo(b)fluoranthene	22.75	252	967	0.070	ng/ul#	50
22) Benzo(k)fluoranthene	22.79	252	1025	0.072	ng/ul#	55
23) Benzo(a)pyrene	23.30	252	842	0.068	ng/ul#	46
24) Indeno(1,2,3-cd)pyrene	25.59	276	1057	0.062	ng/ul#	65
25) Dibenzo(a,h)anthracene	25.60	278	827	0.059	ng/ul#	42
26) Benzo(g,h,i)perylene	26.25	276	902	0.061	ng/ul#	80

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



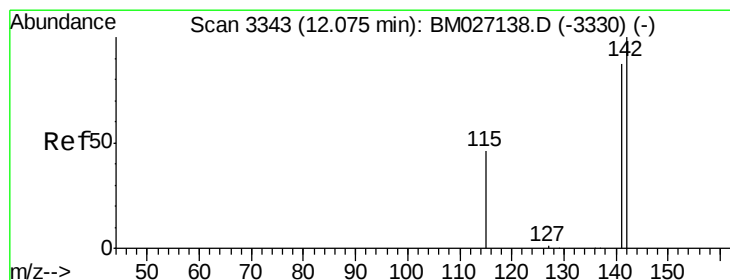
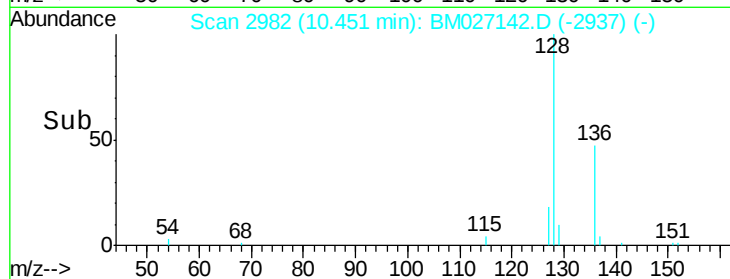
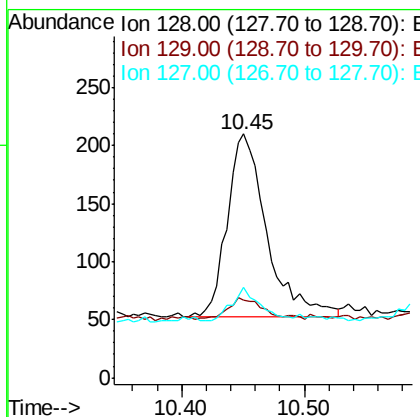
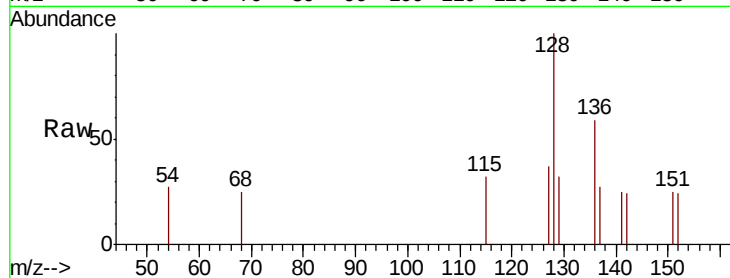
#3
Naphthalene
Concen: 0.059 ng/ul
RT: 10.45 min Scan# 2982
Delta R.T. 0.00 min
Lab File: BM027142.D
Acq: 19 Aug 2020 16:36

Instrument :
BNA_M
ClientSampled :
MDL-SOIL-05

Tot Ion	Ratio	Lower	Upper
128	100		
129	31.9	10.1	15.1#
127	37.1	11.6	17.4#

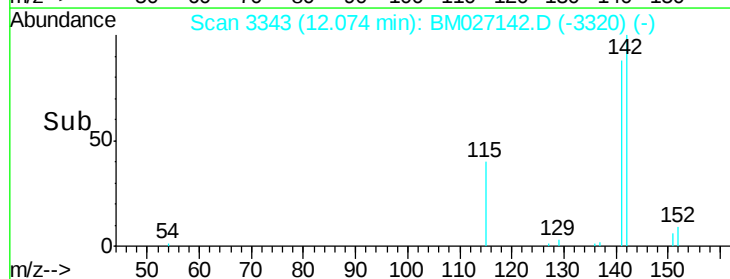
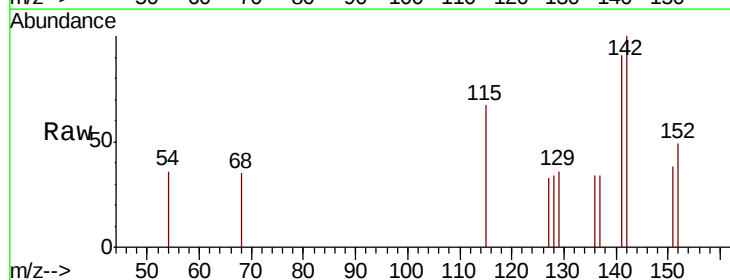
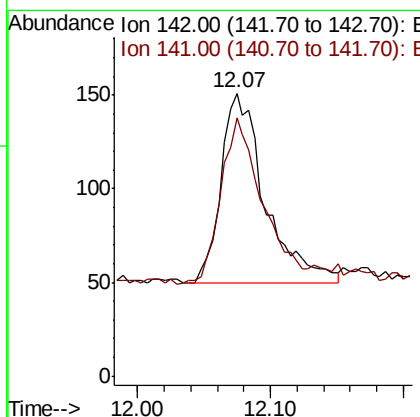
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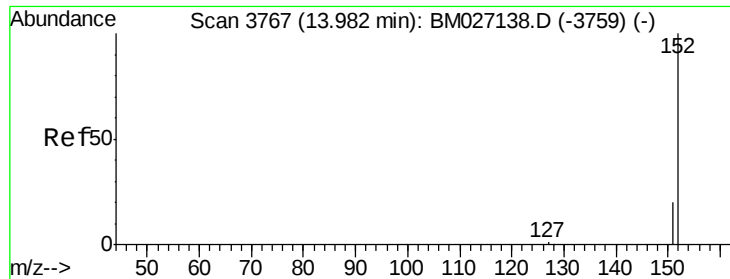
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#5
2-Methylnaphthalene
Concen: 0.056 ng/ul
RT: 12.07 min Scan# 3343
Delta R.T. 0.00 min
Lab File: BM027142.D
Acq: 19 Aug 2020 16:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.2	72.9	109.3





#7

Acenaphthylene

Concen: 0.056 ng/ul

RT: 13.99 min Scan# 3768

Delta R.T. 0.00 min

Lab File: BM027142.D

Acq: 19 Aug 2020 16:36

Instrument :

BNA_M

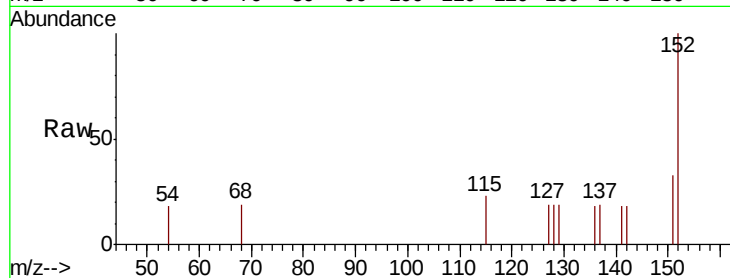
ClientSampleId :

MDL-SOIL-05

Tot Ion:	152	Resp:	341
Ion Ratio	Lower	Upper	
152	100		
151	33.2	16.9	25.3#
153	0.0	0.0	0.0

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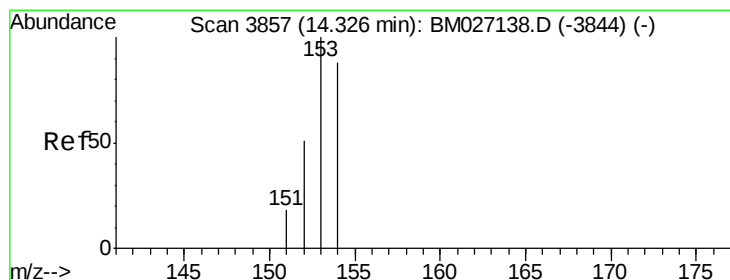
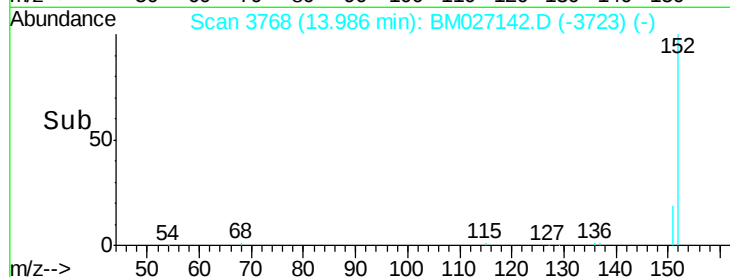
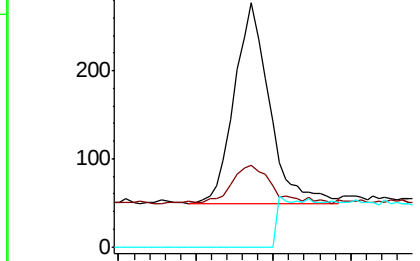
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#8

Acenaphthene

Concen: 0.058 ng/ul

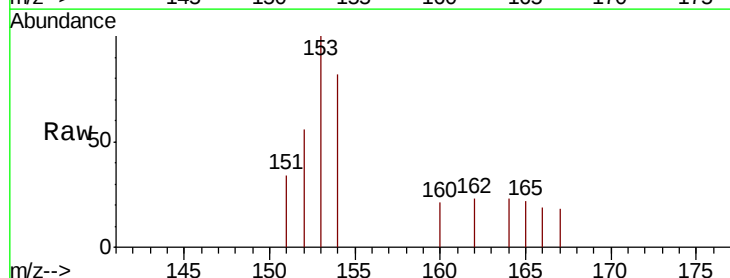
RT: 14.33 min Scan# 3857

Delta R.T. 0.00 min

Lab File: BM027142.D

Acq: 19 Aug 2020 16:36

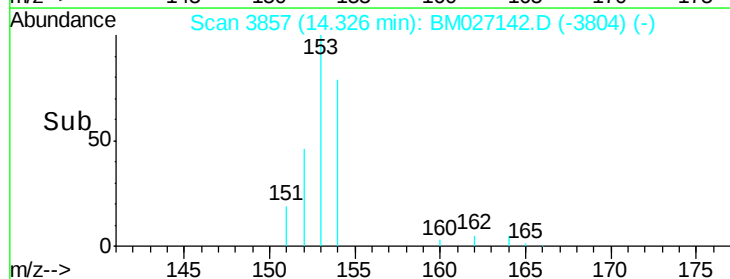
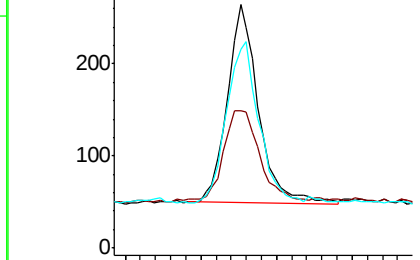
Tgt Ion:	153	Resp:	306
Ion Ratio	Lower	Upper	
153	100		
152	56.4	40.9	61.3
154	81.8	70.0	105.0

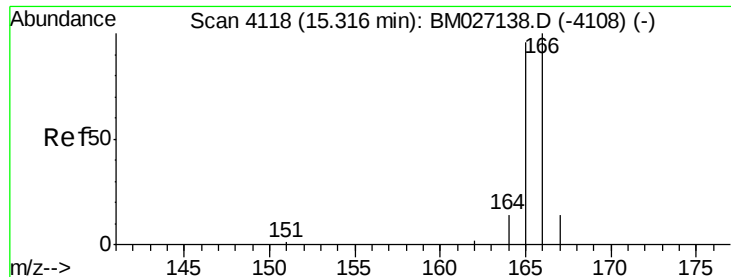


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.063 ng/ul

RT: 15.32 min Scan# 4119

Delta R.T. 0.01 min

Lab File: BM027142.D

Acq: 19 Aug 2020 16:36

Instrument :

BNA_M

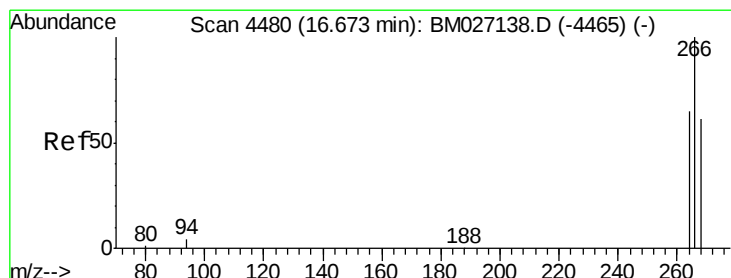
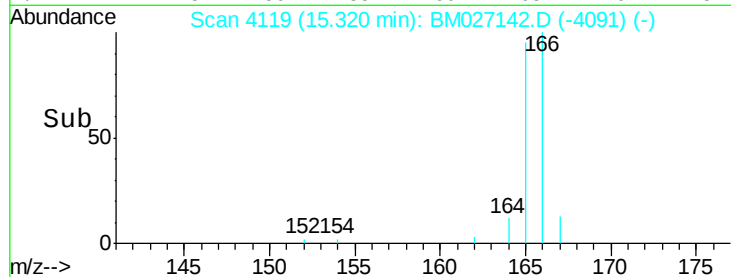
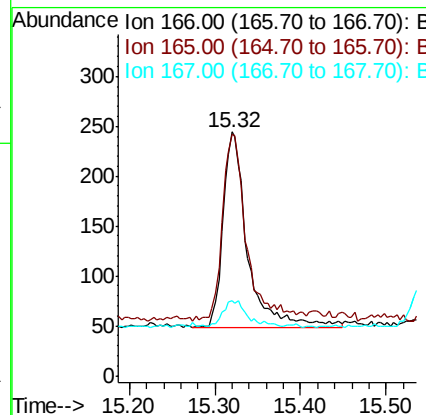
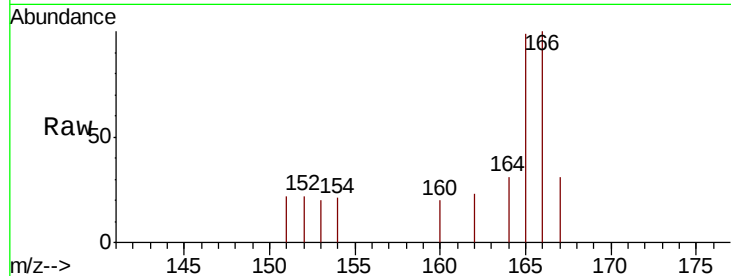
ClientSampleId :

MDL-SOIL-05

Tot Ion:	166	Resp:	395
Ion Ratio	Lower	Upper	
166	100		
165	99.2	79.8	119.6
167	30.7	12.1	18.1#

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#11

Pentachlorophenol

Concen: 0.081 ng/ul m

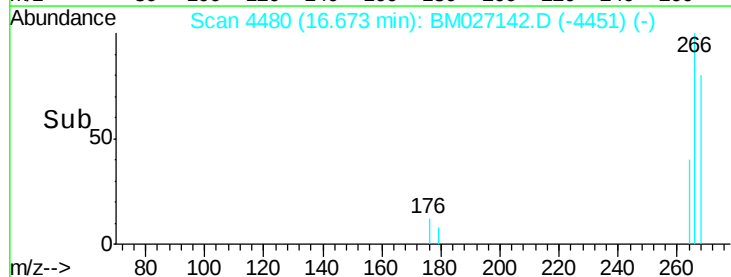
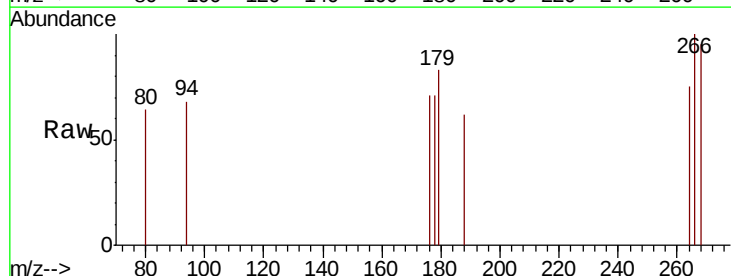
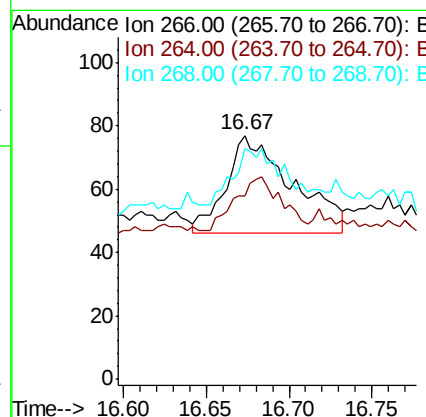
RT: 16.67 min Scan# 4480

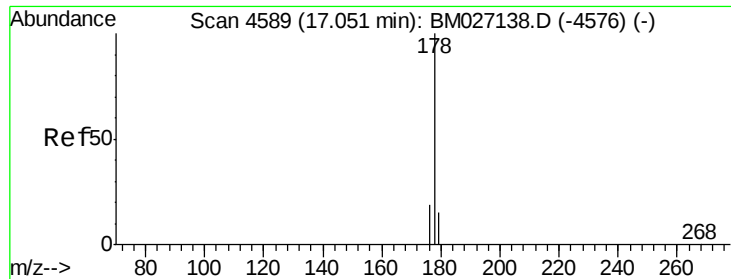
Delta R.T. 0.00 min

Lab File: BM027142.D

Acq: 19 Aug 2020 16:36

Tgt Ion:	266	Resp:	86
Ion Ratio	Lower	Upper	
266	100		
264	2.3	47.8	71.8#
268	2.3	48.5	72.7#





#12

Phenanthrene

Concen: 0.061 ng/ul

RT: 17.05 min Scan# 4589

Delta R.T. 0.00 min

Lab File: BM027142.D

Acq: 19 Aug 2020 16:36

Instrument :

BNA_M

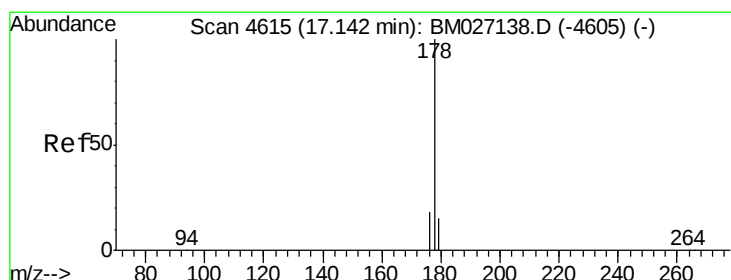
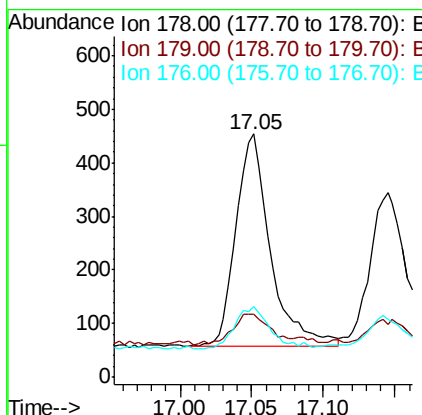
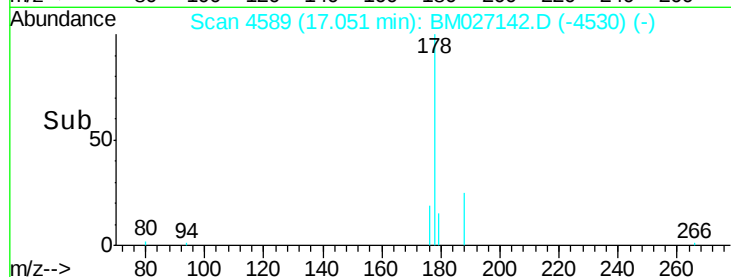
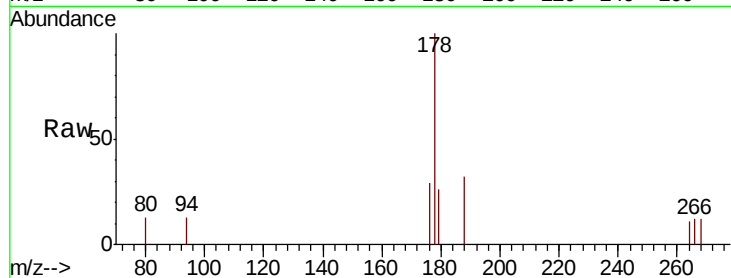
ClientSampleId :

MDL-SOIL-05

Tot Ion:	178	Resp:	665
Ion Ratio	Lower	Upper	
178	100		
179	26.0	13.4	20.2#
176	28.9	16.0	24.0#

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#13

Anthracene

Concen: 0.058 ng/ul

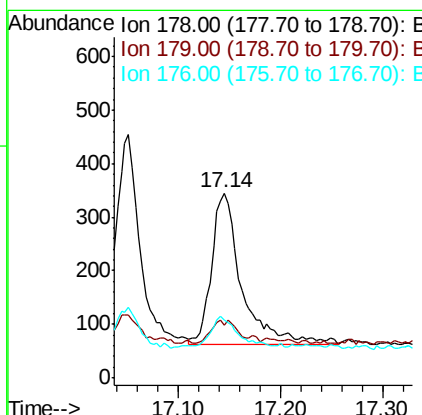
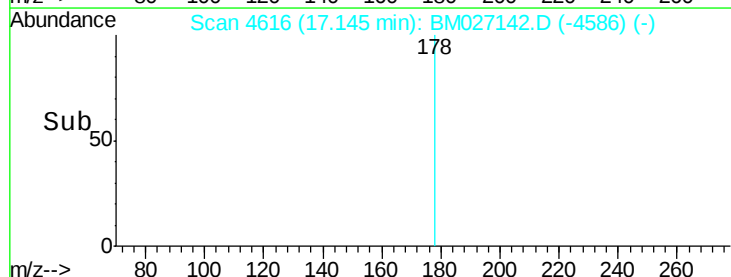
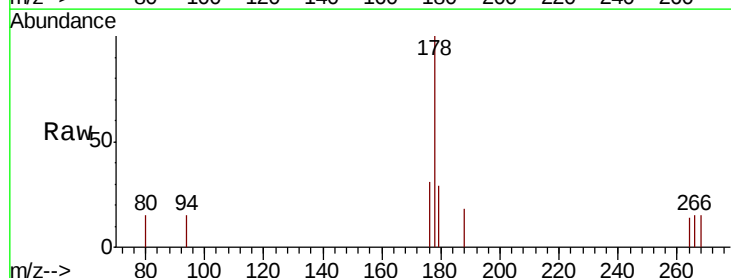
RT: 17.14 min Scan# 4616

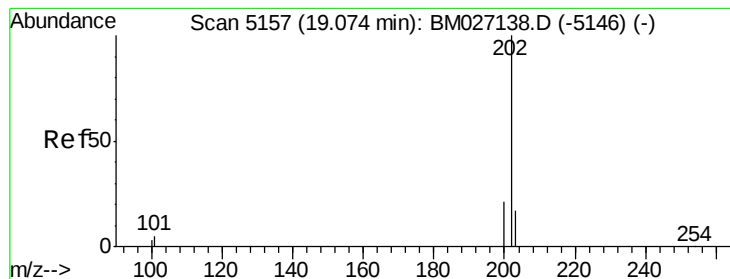
Delta R.T. 0.00 min

Lab File: BM027142.D

Acq: 19 Aug 2020 16:36

Tgt Ion:	178	Resp:	575
Ion Ratio	Lower	Upper	
178	100		
179	28.7	13.7	20.5#
176	31.0	15.5	23.3#





#15

Fluoranthene

Concen: 0.063 ng/ul

RT: 19.07 min Scan# 5156

Delta R.T. 0.00 min

Lab File: BM027142.D

Acq: 19 Aug 2020 16:36

Instrument :

BNA_M

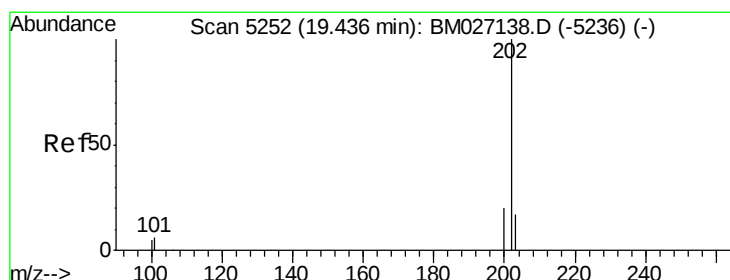
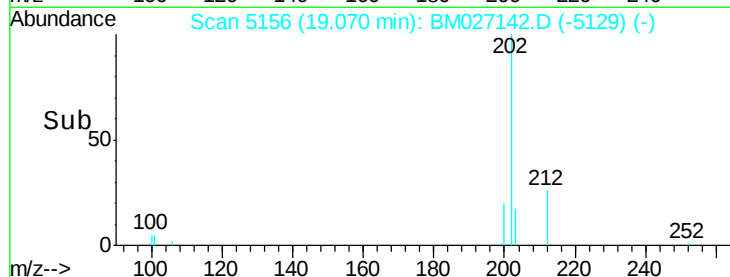
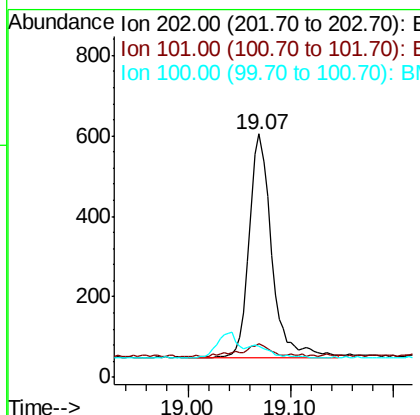
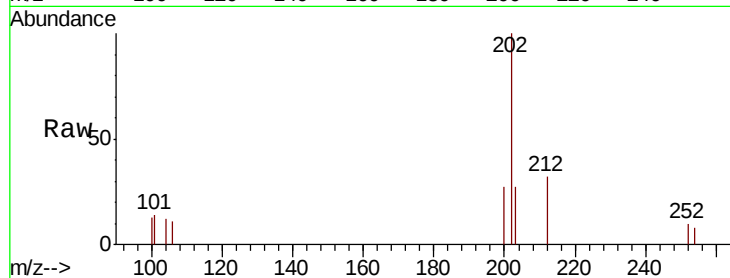
ClientSampleId :

MDL-SOIL-05

Tot Ion:	202	Resp:	826
Ion Ratio	Lower	Upper	
202	100		
101	13.7	0.0	27.1
100	13.1	0.0	25.7

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#17

Pyrene

Concen: 0.062 ng/ul

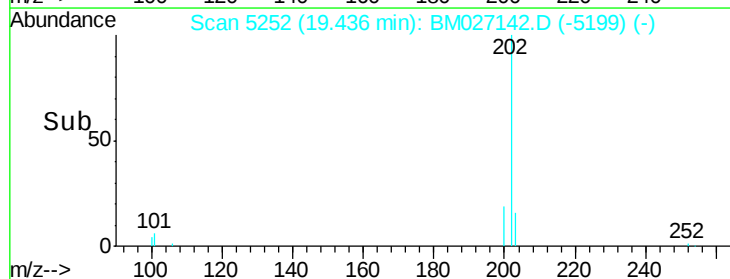
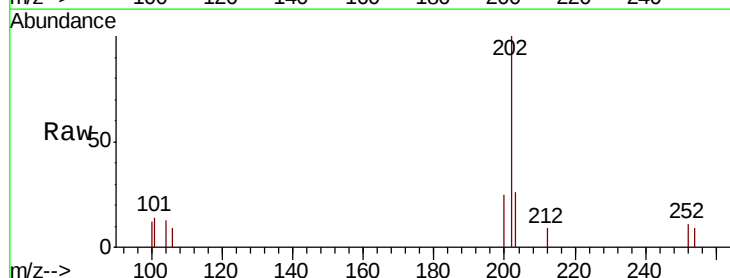
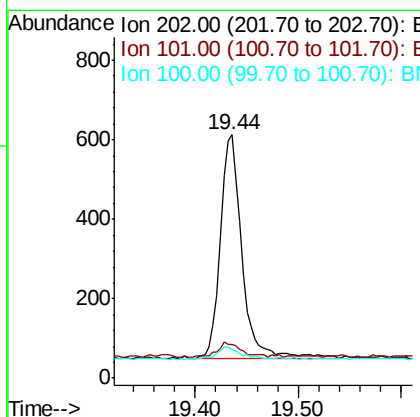
RT: 19.44 min Scan# 5252

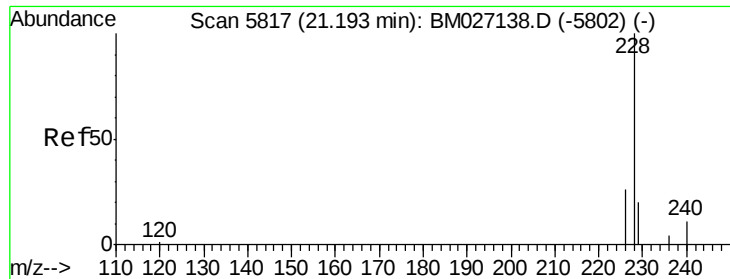
Delta R.T. 0.00 min

Lab File: BM027142.D

Acq: 19 Aug 2020 16:36

Tgt Ion:	202	Resp:	843
Ion Ratio	Lower	Upper	
202	100		
101	13.7	6.6	9.8#
100	11.9	5.6	8.4#





#18

Benzo(a)anthracene

Concen: 0.063 ng/ul

RT: 21.19 min Scan# 5816

Delta R.T. 0.00 min

Lab File: BM027142.D

Acq: 19 Aug 2020 16:36

Instrument :

BNA_M

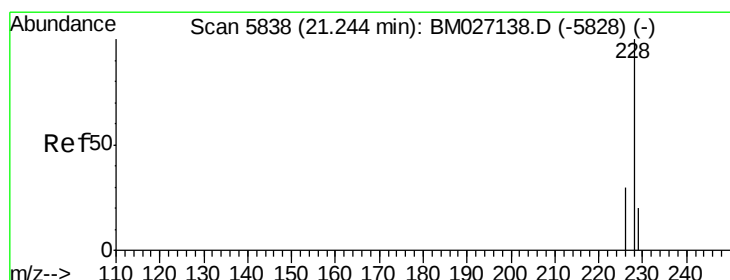
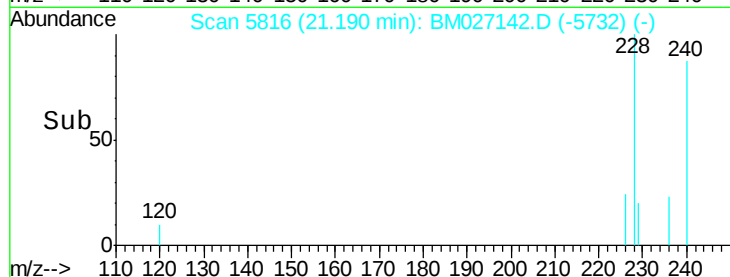
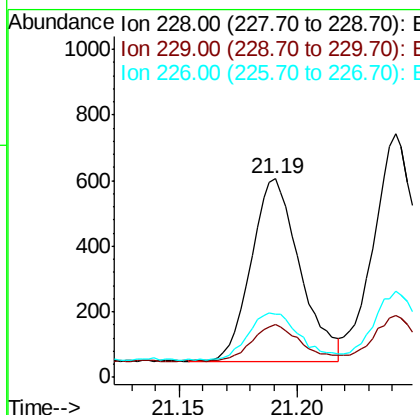
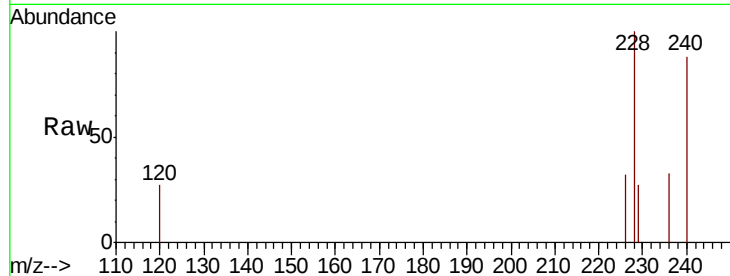
ClientSampleId :

MDL-SOIL-05

Tot Ion:	228	Resp:	799
Ion Ratio	Lower	Upper	
228	100		
229	26.9	16.2	24.4#
226	31.5	22.4	33.6

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#19

Chrysene

Concen: 0.073 ng/ul

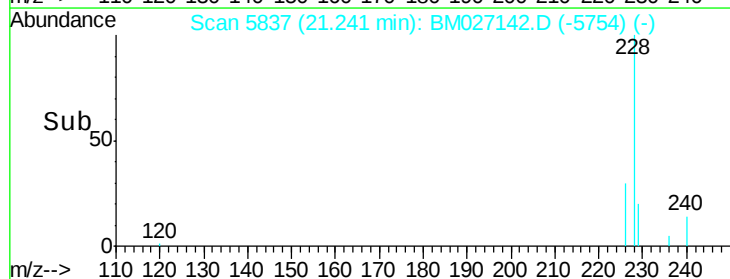
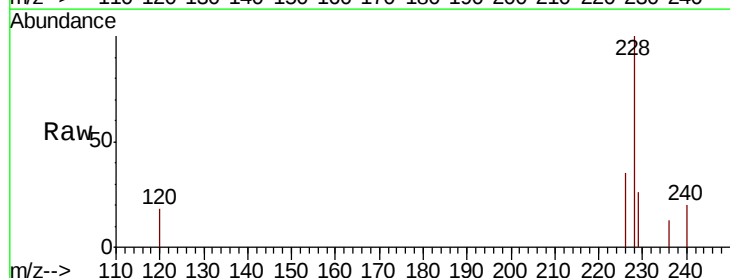
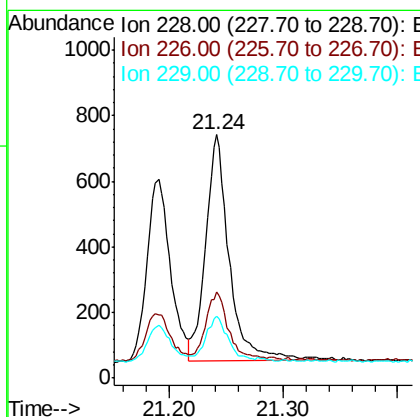
RT: 21.24 min Scan# 5837

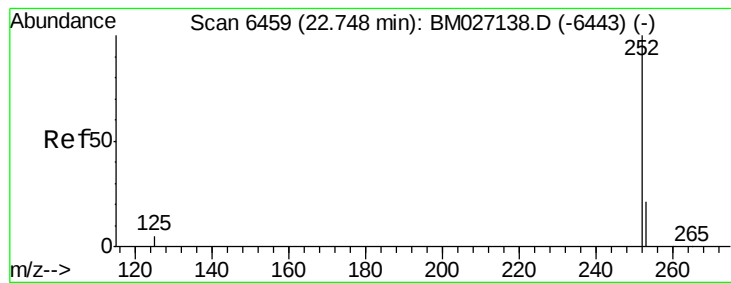
Delta R.T. 0.00 min

Lab File: BM027142.D

Acq: 19 Aug 2020 16:36

Tgt Ion:	228	Resp:	999
Ion Ratio	Lower	Upper	
228	100		
226	35.2	24.6	36.8
229	25.6	15.9	23.9#





#21

Benzo(b)fluoranthene

Concen: 0.070 ng/ul

RT: 22.75 min Scan# 6459

Delta R.T. 0.00 min

Lab File: BM027142.D

Acq: 19 Aug 2020 16:36

Instrument :

BNA_M

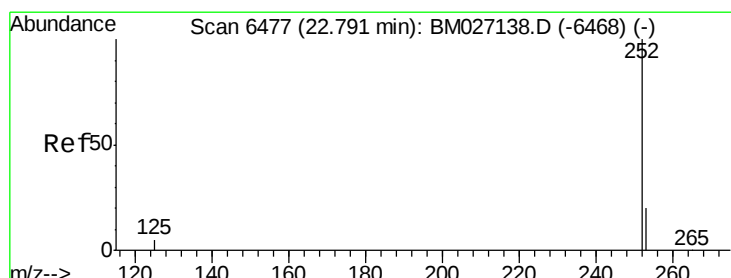
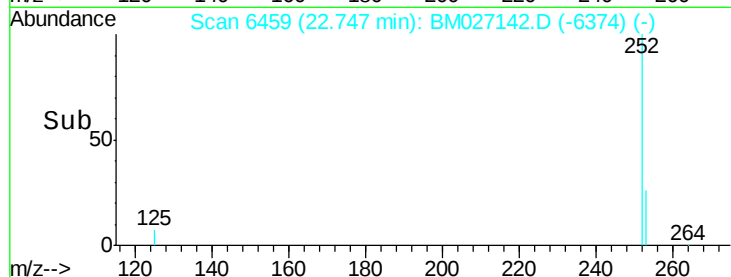
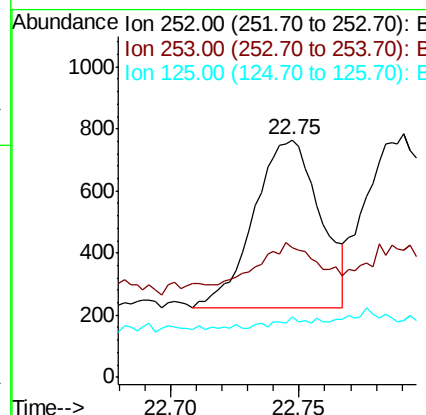
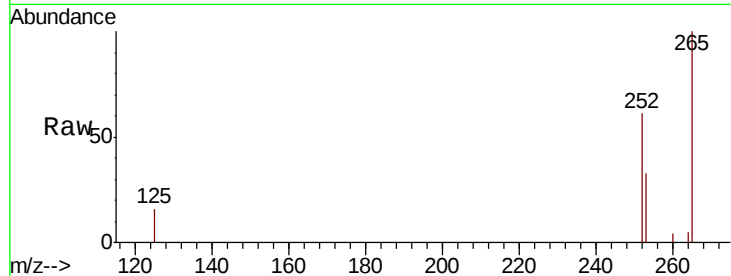
ClientSampled :

MDL-SOIL-05

Tot Ion	Ratio	Lower	Upper
252	100		
253	54.5	0.0	54.0#
125	25.5	0.0	20.8#

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#22

Benzo(k)fluoranthene

Concen: 0.072 ng/ul

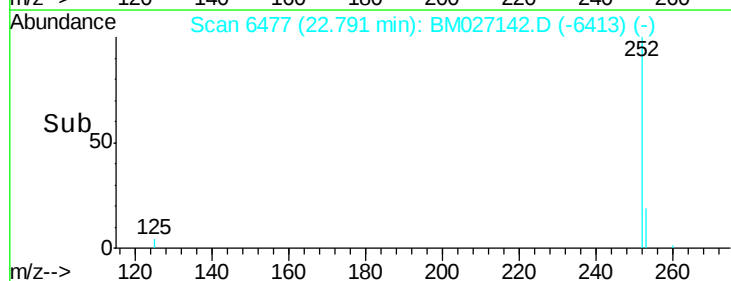
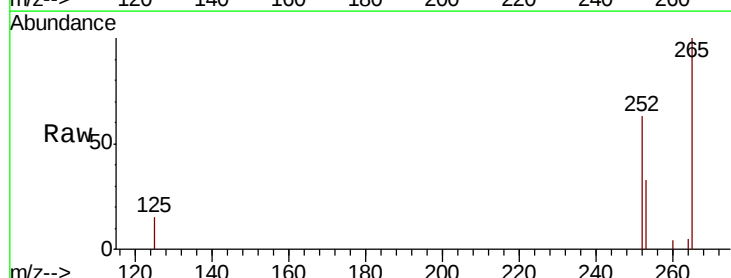
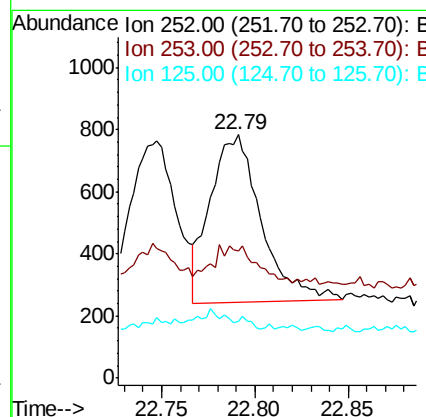
RT: 22.79 min Scan# 6477

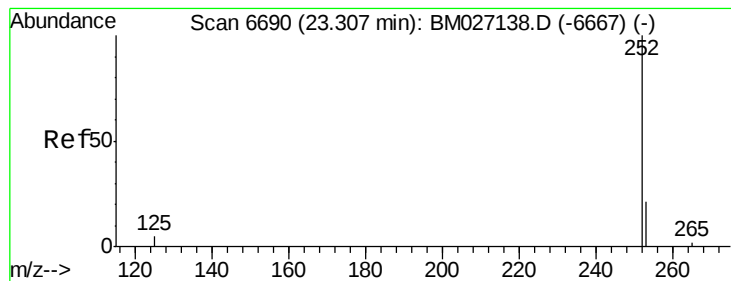
Delta R.T. 0.00 min

Lab File: BM027142.D

Acq: 19 Aug 2020 16:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	52.2	21.7	32.5#
125	23.2	7.9	11.9#





#23

Benzo(a)pyrene

Concen: 0.068 ng/u1

RT: 23.30 min Scan# 6687

Delta R.T. 0.00 min

Lab File: BM027142.D

Acq: 19 Aug 2020 16:36

Instrument :

BNA_M

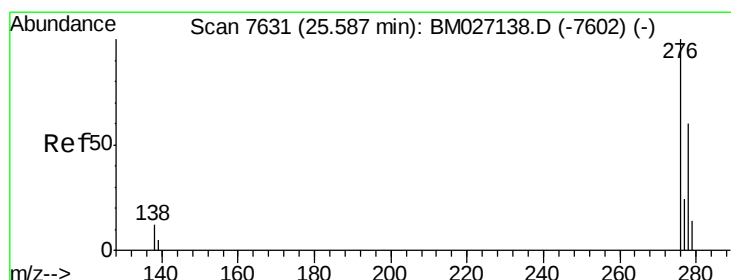
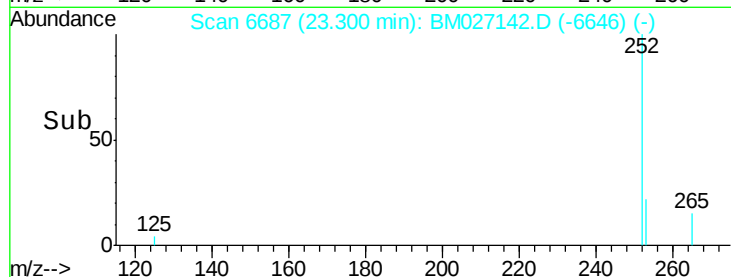
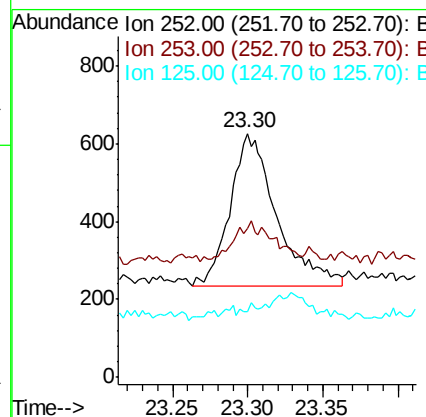
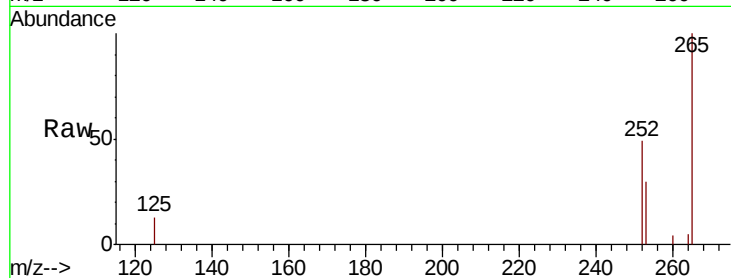
ClientSampleId :

MDL-SOIL-05

Tot Ion:	252	Resp:	842
Ion Ratio	Lower	Upper	
252	100		
253	61.3	23.4	35.0#
125	27.2	9.4	14.2#

Manual Integrations
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#24

Indeno(1,2,3-cd)pyrene

Concen: 0.062 ng/u1

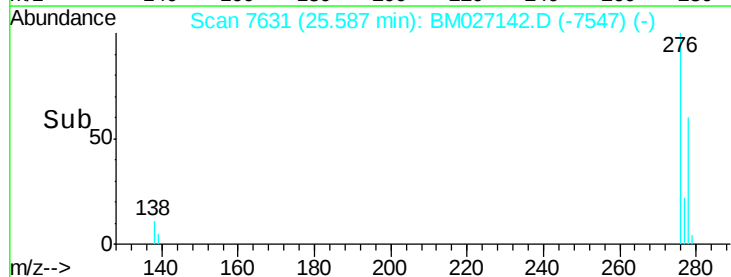
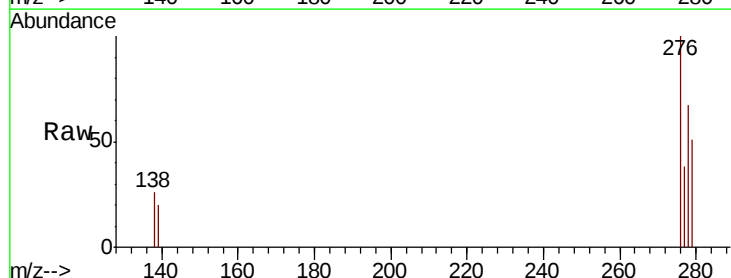
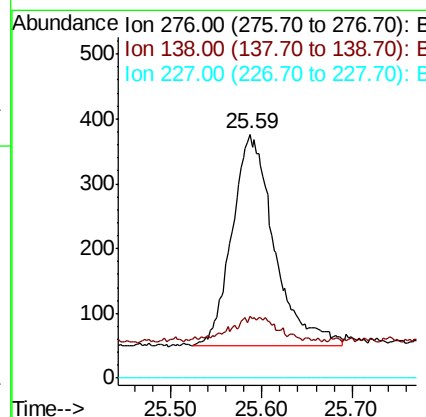
RT: 25.59 min Scan# 7631

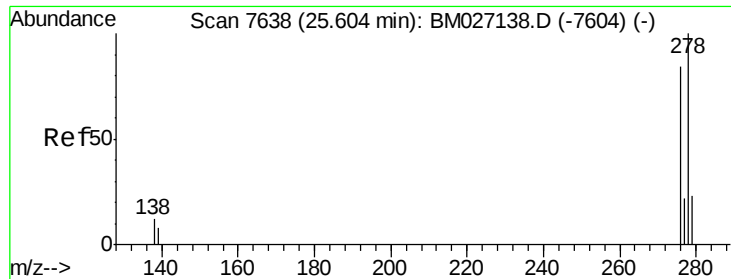
Delta R.T. 0.00 min

Lab File: BM027142.D

Acq: 19 Aug 2020 16:36

Tgt Ion:	276	Resp:	1057
Ion Ratio	Lower	Upper	
276	100		
138	0.8	12.2	18.2#
227	0.0	0.0	0.0





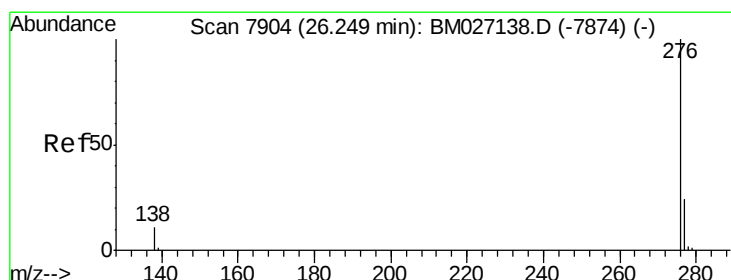
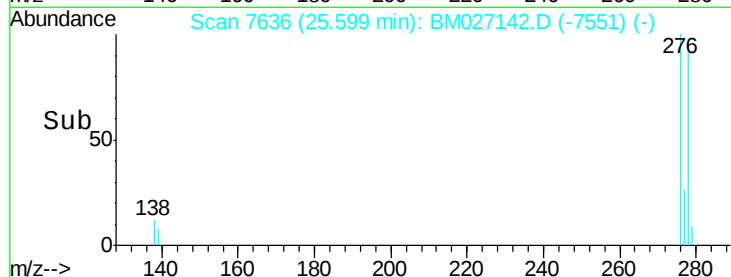
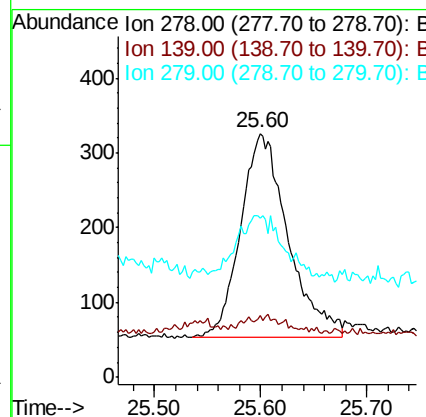
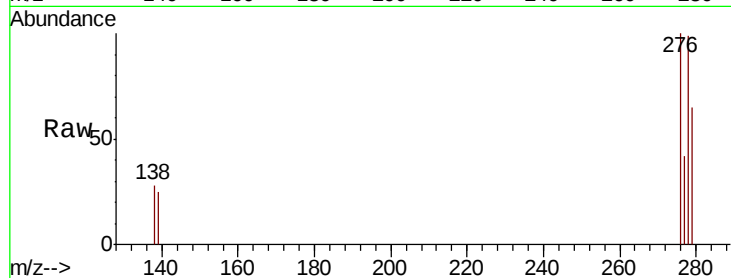
#25
Dibenzo(a,h)anthracene
Concen: 0.059 ng/ul
RT: 25.60 min Scan# 7636
Delta R.T. 0.00 min
Lab File: BM027142.D
Acq: 19 Aug 2020 16:36

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-05

Tot Ion	Ratio	Lower	Upper
278	100		
139	25.5	10.0	15.0#
279	65.3	22.9	34.3#

Manual Integrations
APPROVED

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#26
Benzo(g,h,i)perylene
Concen: 0.061 ng/ul
RT: 26.25 min Scan# 7905
Delta R.T. 0.01 min
Lab File: BM027142.D
Acq: 19 Aug 2020 16:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.7	12.0	18.0#
277	34.7	20.9	31.3#

