

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082020\
 Data File : BM027161.D
 Acq On : 20 Aug 2020 18:00
 Operator : JU/CG
 Sample : L1955-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-01

Manual Integrations
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Quant Time: Aug 20 18:38:54 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 : Thu Aug 20 06:55:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	548	0.40	ng/ul	0.00
2) Naphthalene-d8	10.40	136	1542	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	1084	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	2474	0.40	ng/ul	0.00
16) Chrysene-d12	21.20	240	2374	0.40	ng/ul	0.00
20) Perylene-d12	23.39	264	2541	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	1011	0.39	ng/ul	0.00
14) Fluoranthene-d10	19.04	212	2704	0.38	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.45	128	277	0.060	ng/ul#	42
5) 2-Methylnaphthalene	12.08	142	188	0.059	ng/ul	99
7) Acenaphthylene	13.98	152	270	0.057	ng/ul#	67
8) Acenaphthene	14.32	153	237	0.058	ng/ul#	89
9) Fluorene	15.32	166	275	0.056	ng/ul#	90
11) Pentachlorophenol	16.68	266	62m	0.076	ng/ul	
12) Phenanthrene	17.05	178	497	0.059	ng/ul#	71
13) Anthracene	17.14	178	400	0.053	ng/ul#	63
15) Fluoranthene	19.07	202	633	0.063	ng/ul	74
17) Pyrene	19.43	202	622	0.061	ng/ul#	77
18) Benzo(a)anthracene	21.19	228	555	0.059	ng/ul#	87
19) Chrysene	21.24	228	673	0.066	ng/ul#	86
21) Benzo(b)fluoranthene	22.74	252	706	0.065	ng/ul#	43
22) Benzo(k)fluoranthene	22.79	252	773	0.068	ng/ul#	45
23) Benzo(a)pyrene	23.30	252	607	0.062	ng/ul#	37
24) Indeno(1,2,3-cd)pyrene	25.58	276	803	0.059	ng/ul#	79
25) Dibenzo(a,h)anthracene	25.60	278	648	0.058	ng/ul#	29
26) Benzo(g,h,i)perylene	26.24	276	694	0.059	ng/ul#	69

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

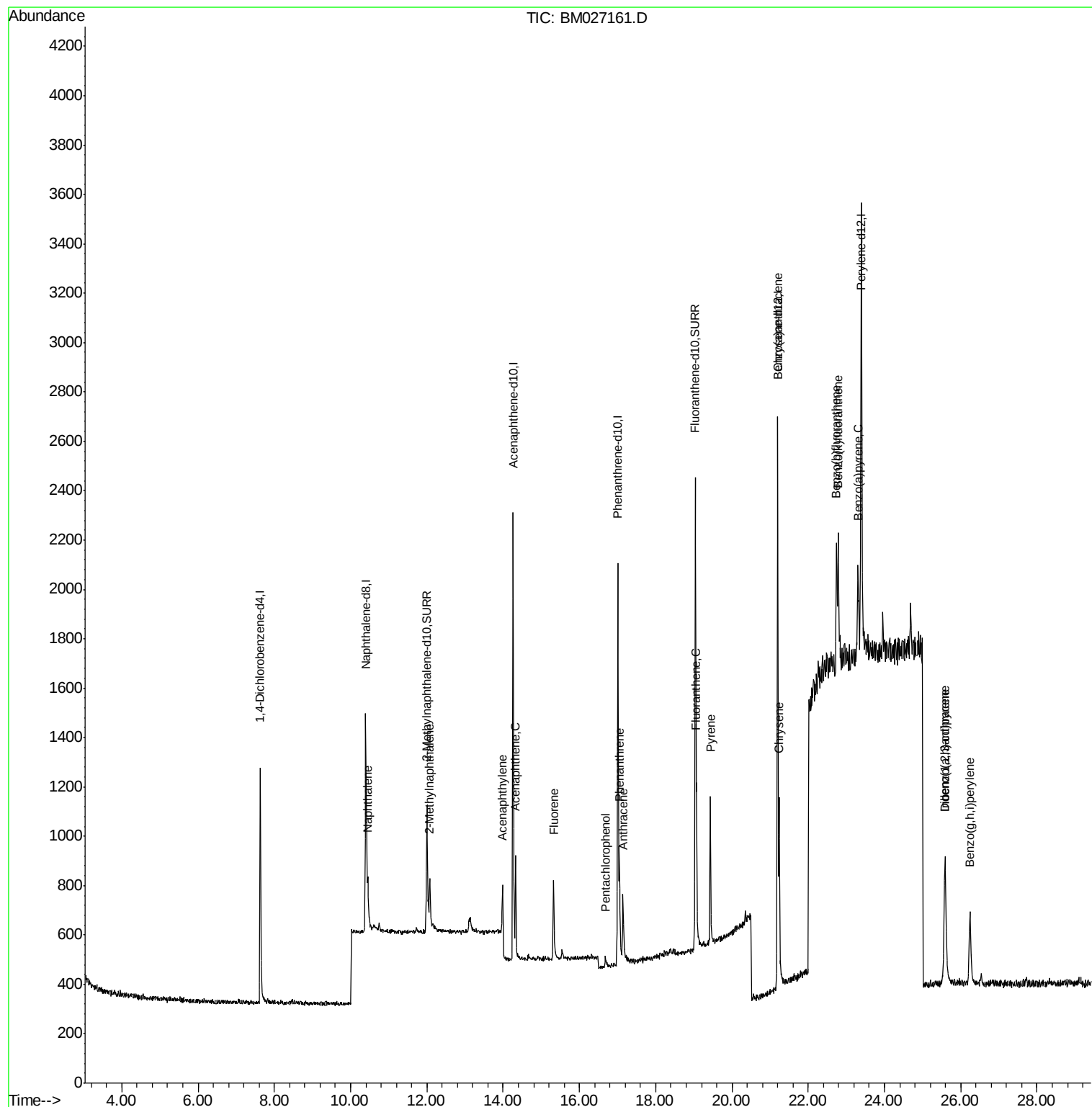
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082020\
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ALS Vial : 11 Sample Multiplier: 1

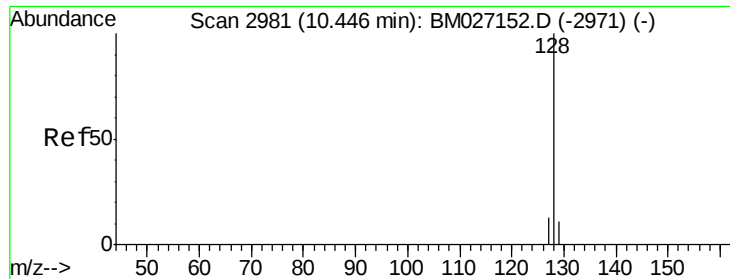
Instrument :
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#3

Naphthalene

Concen: 0.060 ng/u1

RT: 10.45 min Scan# 2981

Delta R.T. 0.00 min

Lab File: BM027161.D

Acq: 20 Aug 2020 18:00

Instrument :

BNA_M

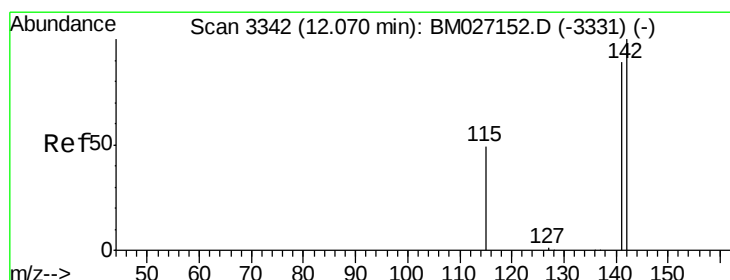
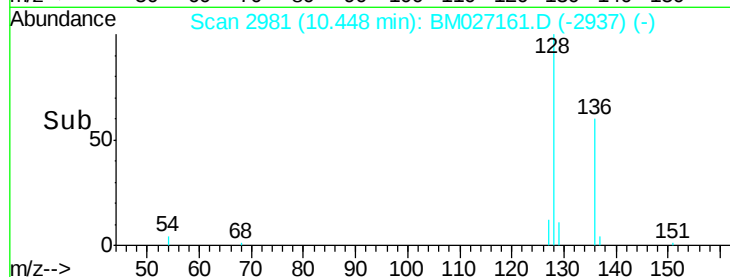
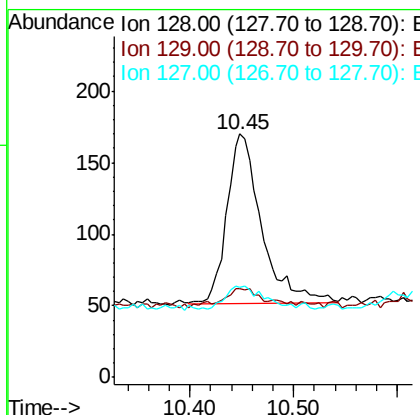
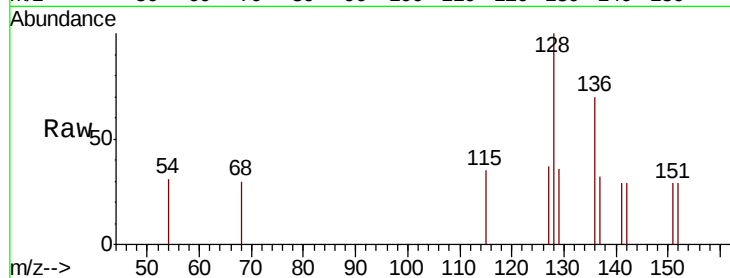
ClientSampleId :

MDL-SOIL-01

Tot Ion:	128	Resp:	277
Ion	Ratio	Lower	Upper
128	100		
129	36.5	10.1	15.1#
127	37.1	11.6	17.4#

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#5

2-Methylnaphthalene

Concen: 0.059 ng/u1

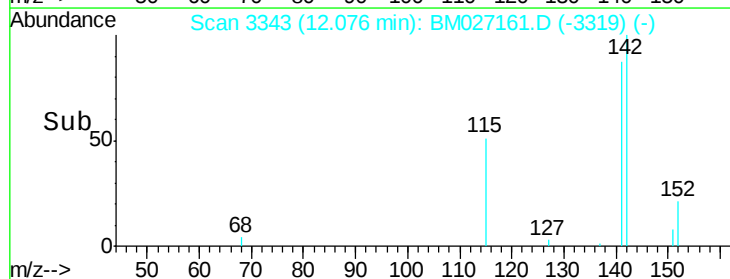
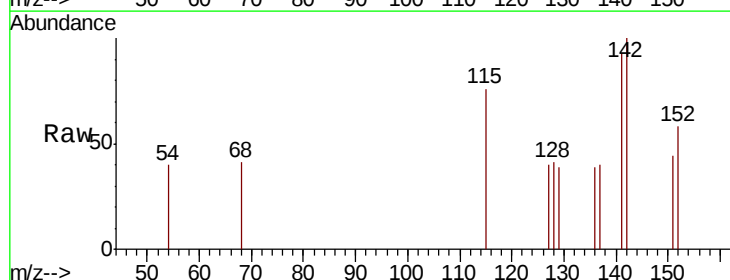
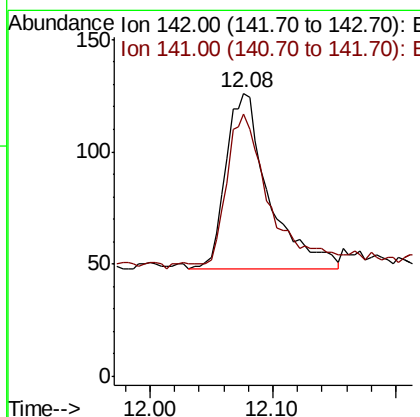
RT: 12.08 min Scan# 3343

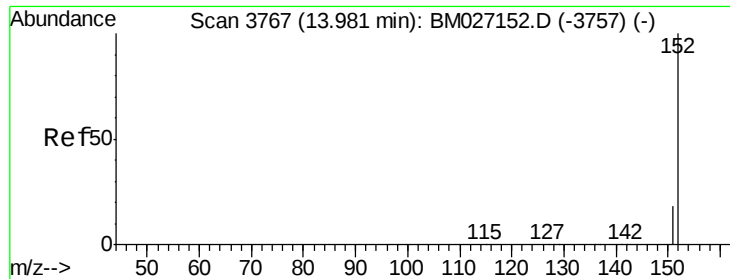
Delta R.T. 0.01 min

Lab File: BM027161.D

Acq: 20 Aug 2020 18:00

Tgt Ion:	142	Resp:	188
Ion	Ratio	Lower	Upper
142	100		
141	90.4	72.9	109.3





#7

Acenaphthylene

Concen: 0.057 ng/ul

RT: 13.98 min Scan# 3767

Delta R.T. 0.00 min

Lab File: BM027161.D

Acq: 20 Aug 2020 18:00

Instrument :

BNA_M

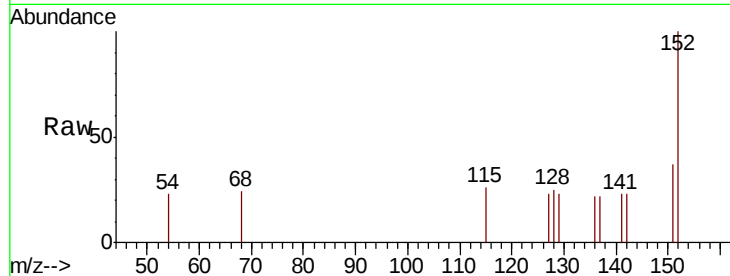
ClientSampleId :

MDL-SOIL-01

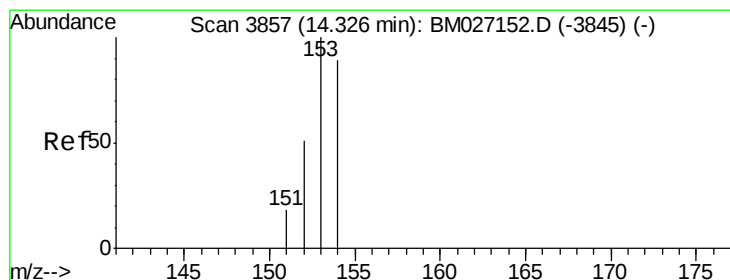
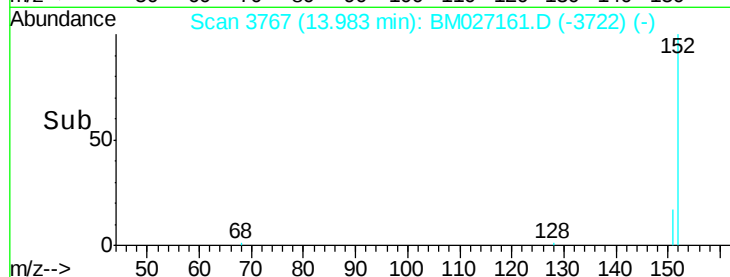
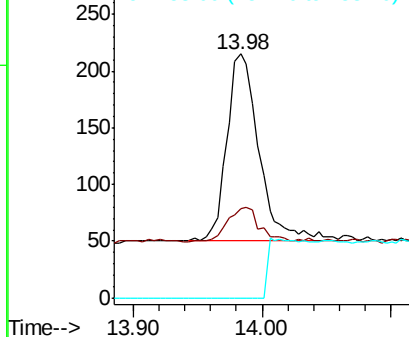
Tot Ion:	152	Resp:	270
Ion Ratio	Lower	Upper	
152	100		
151	36.7	16.9	25.3#
153	0.0	0.0	0.0

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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

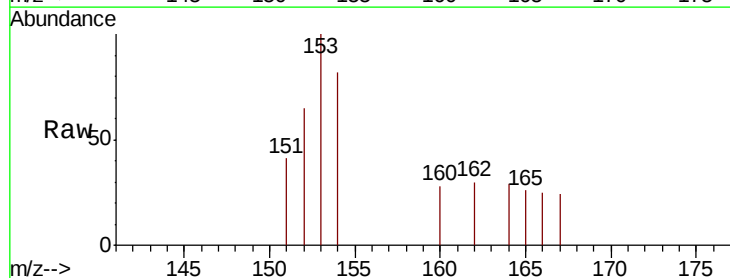
RT: 14.32 min Scan# 3856

Delta R.T. 0.00 min

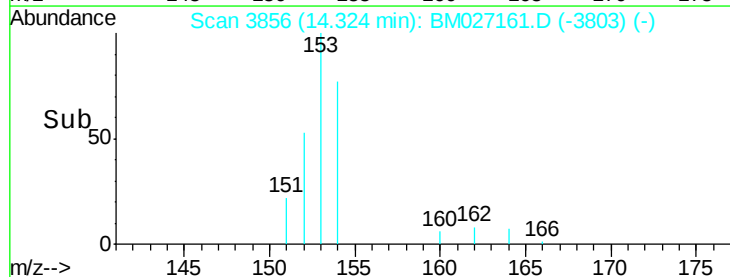
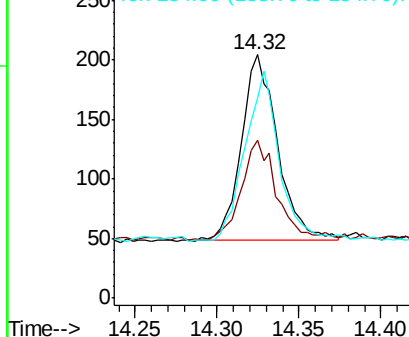
Lab File: BM027161.D

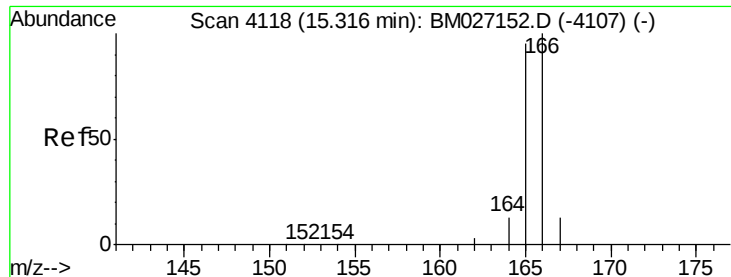
Acq: 20 Aug 2020 18:00

Tgt Ion:	153	Resp:	237
Ion Ratio	Lower	Upper	
153	100		
152	64.7	40.9	61.3#
154	82.4	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: 0.056 ng/ul

RT: 15.32 min Scan# 4119

Delta R.T. 0.01 min

Lab File: BM027161.D

Acq: 20 Aug 2020 18:00

Instrument :

BNA_M

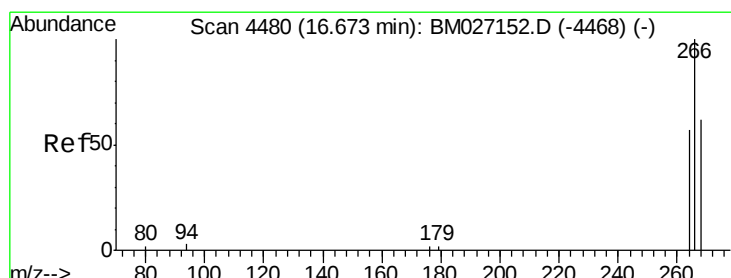
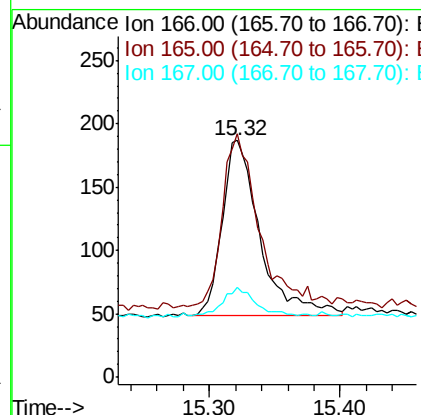
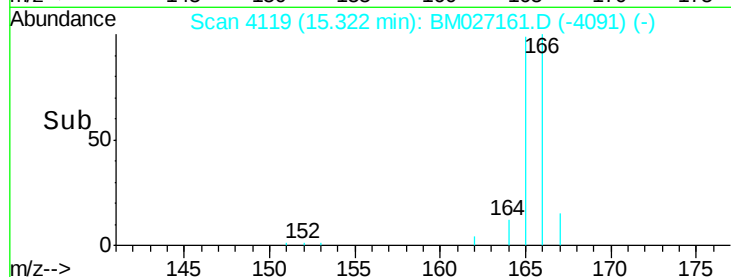
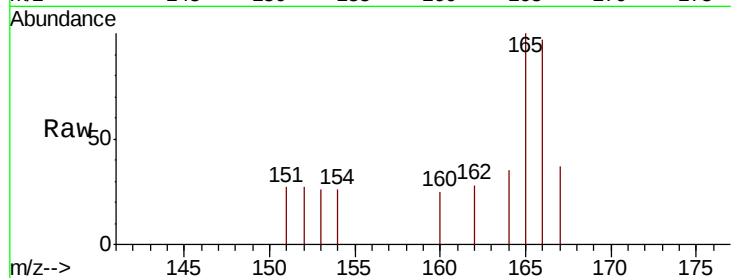
ClientSampleId :

MDL-SOIL-01

Tot Ion:	166	Resp:	275
Ion Ratio	Lower	Upper	
166	100		
165	102.7	79.8	119.6
167	38.0	12.1	18.1#

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#11

Pentachlorophenol

Concen: 0.076 ng/ul m

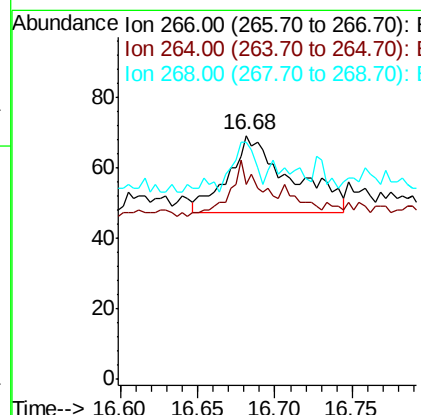
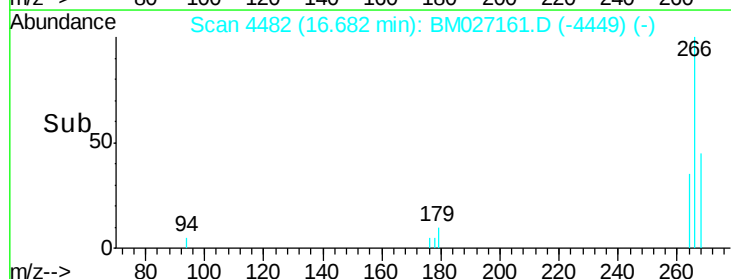
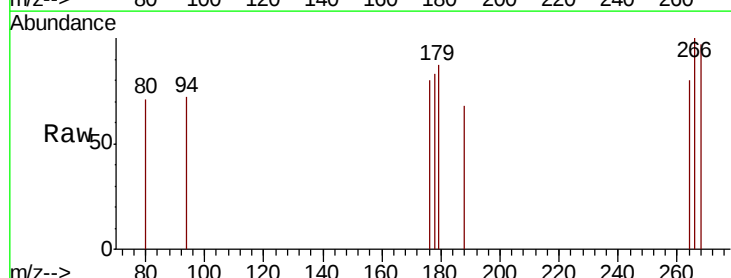
RT: 16.68 min Scan# 4482

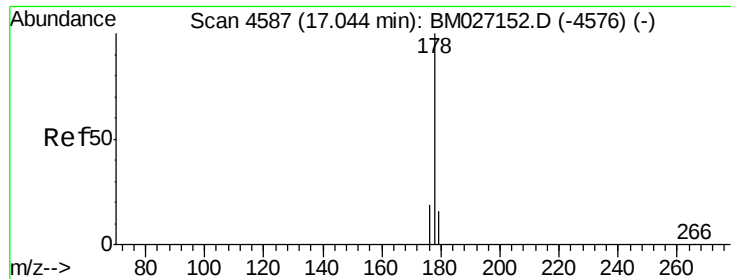
Delta R.T. 0.01 min

Lab File: BM027161.D

Acq: 20 Aug 2020 18:00

Tgt Ion:	266	Resp:	62
Ion Ratio	Lower	Upper	
266	100		
264	35.5	47.8	71.8#
268	24.2	48.5	72.7#





#12

Phenanthrene

Concen: 0.059 ng/ul

RT: 17.05 min Scan# 4588

Delta R.T. 0.00 min

Lab File: BM027161.D

Acq: 20 Aug 2020 18:00

Instrument :

BNA_M

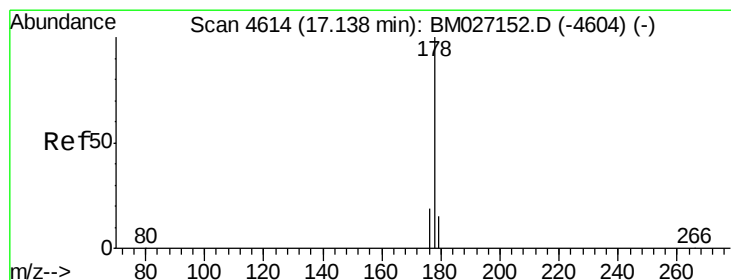
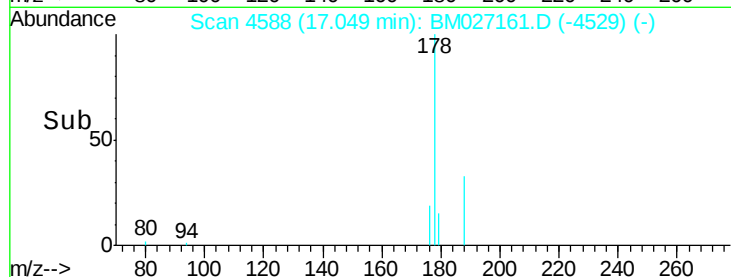
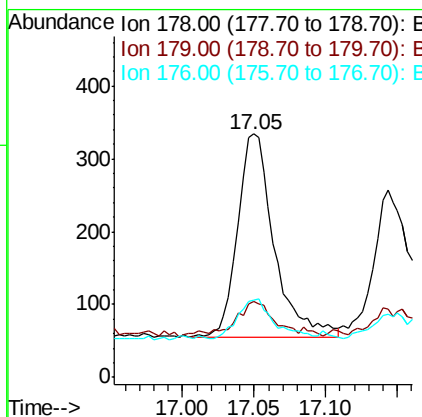
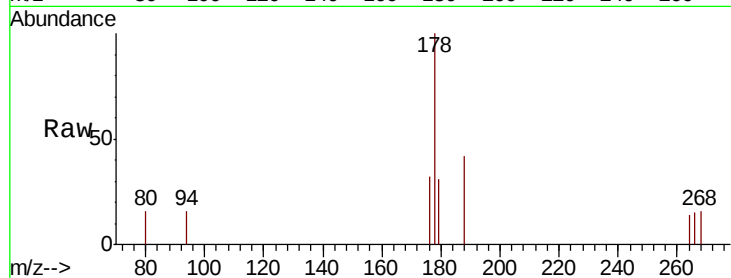
ClientSampleId :

MDL-SOIL-01

Tot Ion:	178	Resp:	497
Ion Ratio	Lower	Upper	
178	100		
179	31.1	13.4	20.2#
176	31.7	16.0	24.0#

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#13

Anthracene

Concen: 0.053 ng/ul

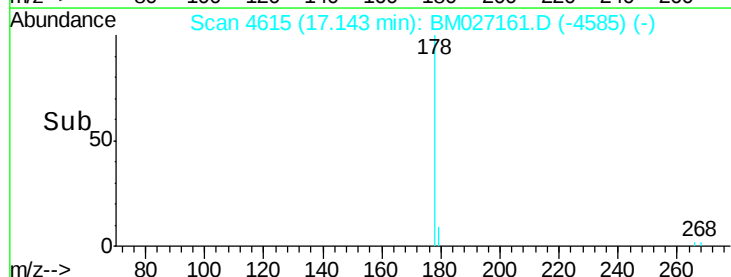
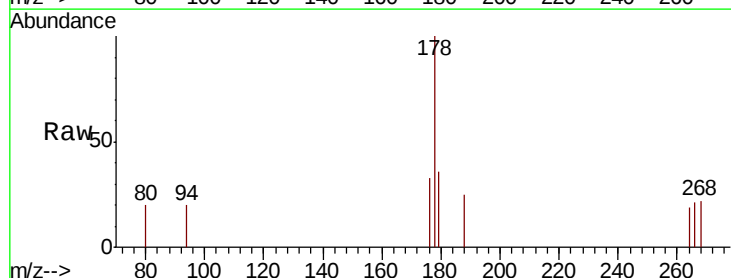
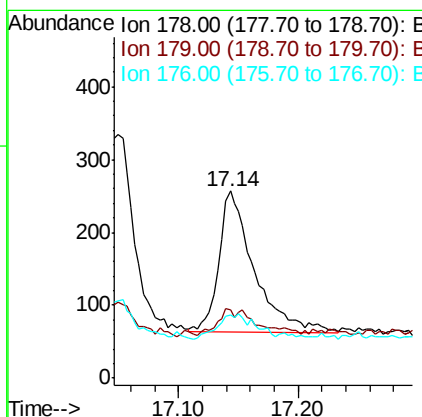
RT: 17.14 min Scan# 4615

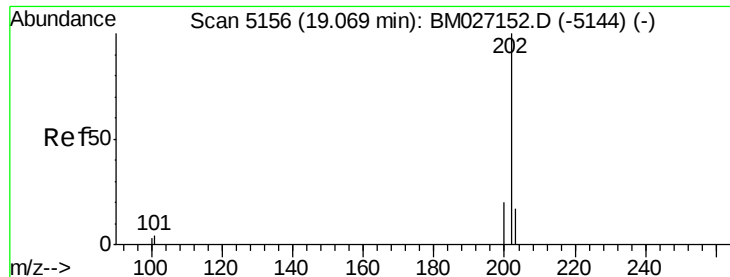
Delta R.T. 0.00 min

Lab File: BM027161.D

Acq: 20 Aug 2020 18:00

Tgt Ion:	178	Resp:	400
Ion Ratio	Lower	Upper	
178	100		
179	36.2	13.7	20.5#
176	33.5	15.5	23.3#





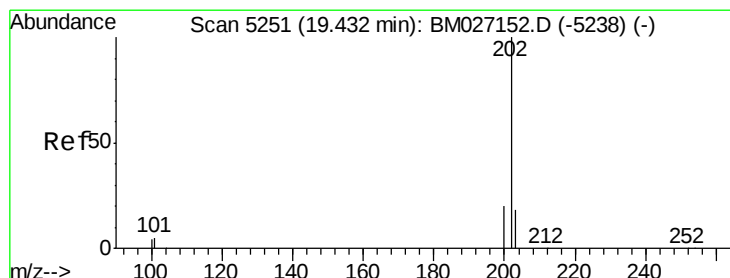
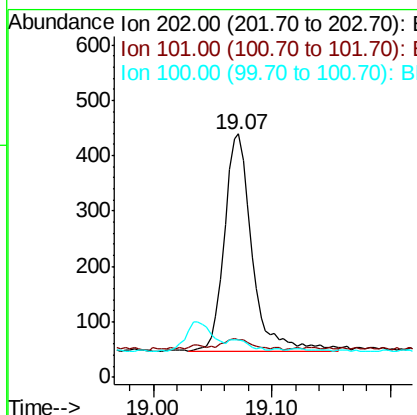
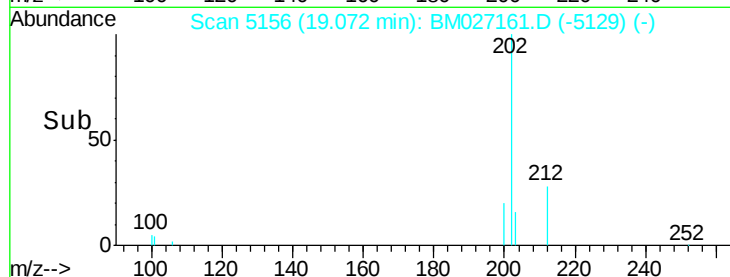
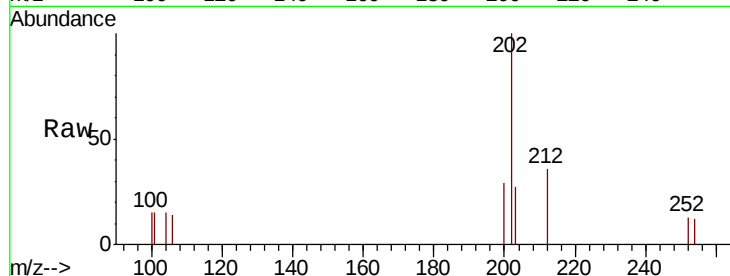
#15
Fluoranthene
 Concen: 0.063 ng/ul
 RT: 19.07 min Scan# 5156
 Delta R.T. 0.00 min
 Lab File: BM027161.D
 Acq: 20 Aug 2020 18:00

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-01

Tot Ion:	202	Resp:	633
Ion Ratio	Lower	Upper	
202	100		
101	15.5	0.0	27.1
100	15.5	0.0	25.7

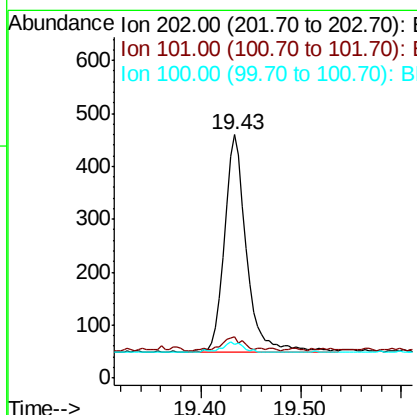
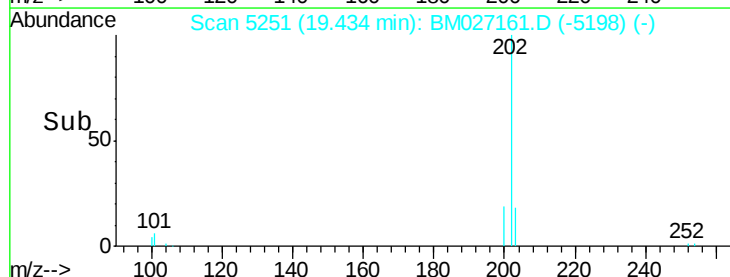
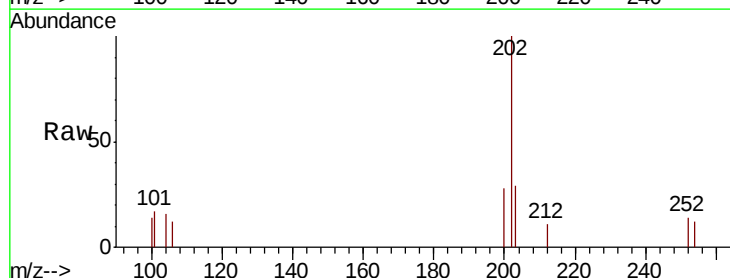
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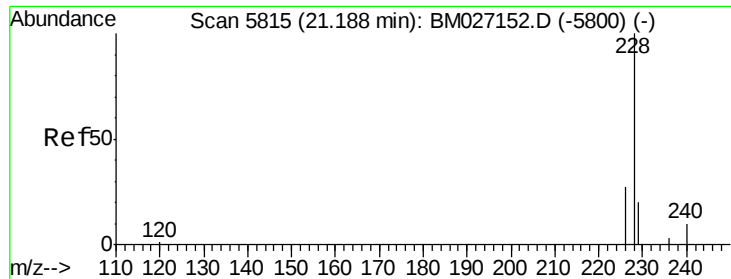
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#17
Pyrene
 Concen: 0.061 ng/ul
 RT: 19.43 min Scan# 5251
 Delta R.T. 0.00 min
 Lab File: BM027161.D
 Acq: 20 Aug 2020 18:00

Tgt Ion:	202	Resp:	622
Ion Ratio	Lower	Upper	
202	100		
101	17.0	6.6	9.8#
100	13.9	5.6	8.4#





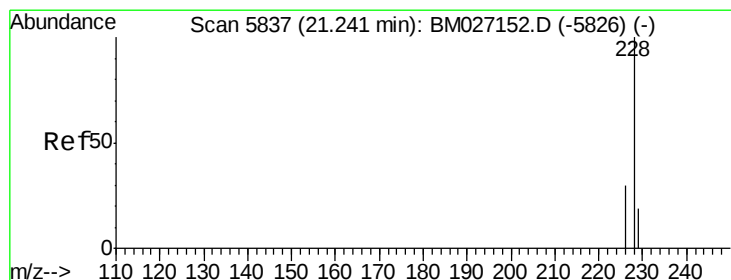
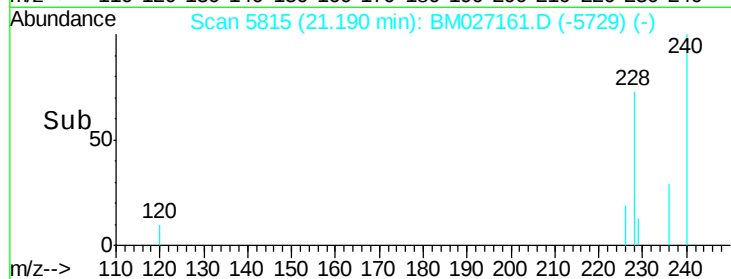
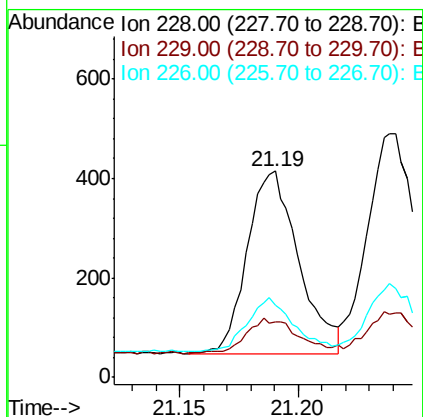
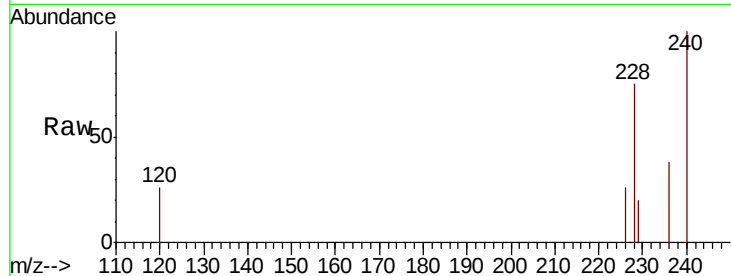
#18
Benzo(a)anthracene
Concen: 0.059 ng/ul
RT: 21.19 min Scan# 5815
Delta R.T. 0.01 min
Lab File: BM027161.D
Acq: 20 Aug 2020 18:00

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
228	100		
229	27.0	16.2	24.4#
226	34.7	22.4	33.6#

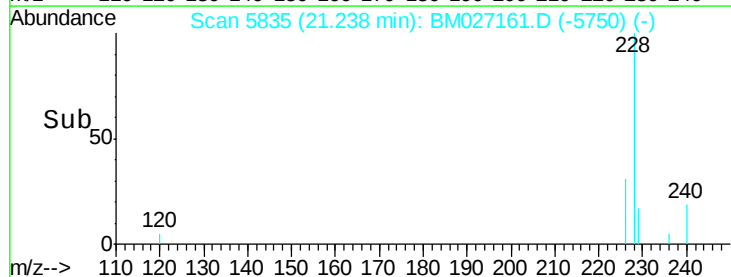
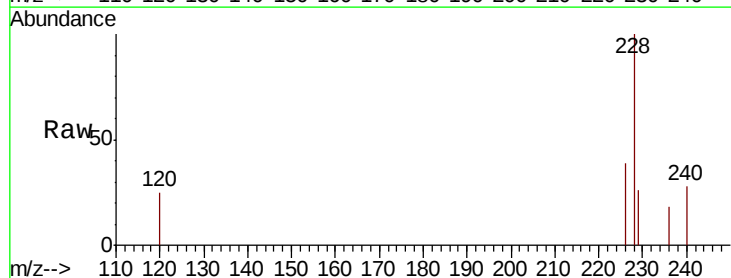
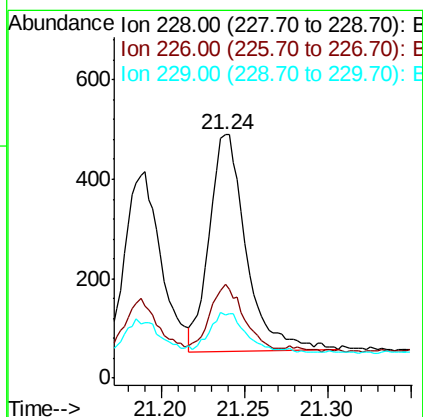
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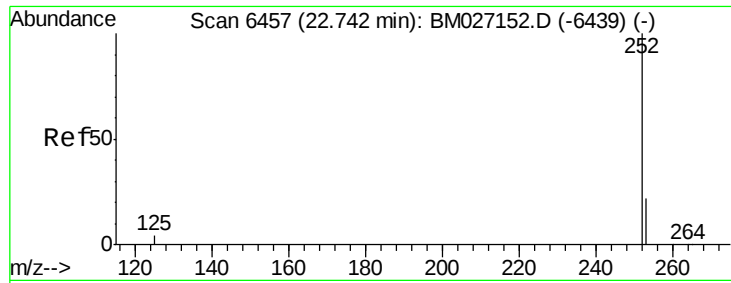
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#19
Chrysene
Concen: 0.066 ng/ul
RT: 21.24 min Scan# 5835
Delta R.T. 0.00 min
Lab File: BM027161.D
Acq: 20 Aug 2020 18:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	38.6	24.6	36.8#
229	25.9	15.9	23.9#





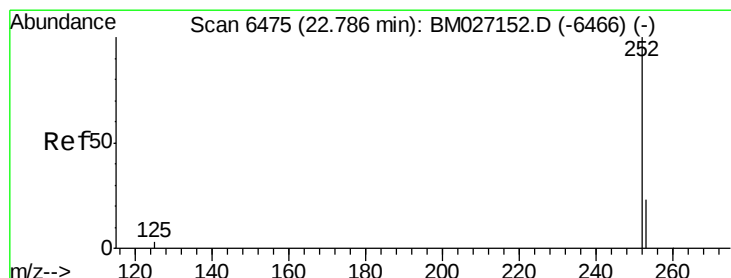
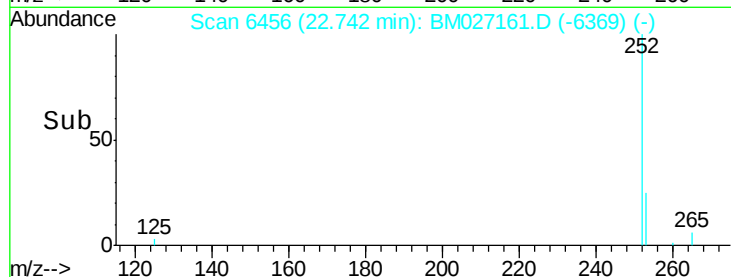
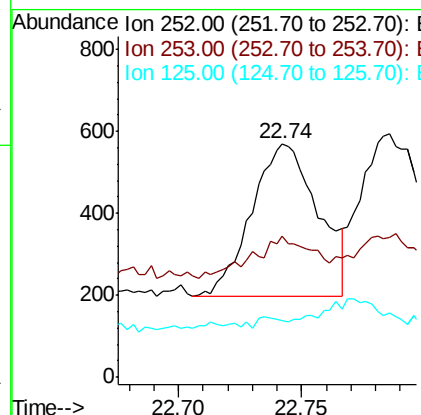
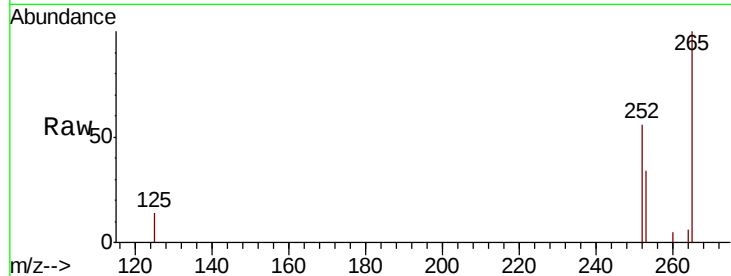
#21
Benzo(b)fluoranthene
Concen: 0.065 ng/u1
RT: 22.74 min Scan# 6456
Delta R.T. 0.01 min
Lab File: BM027161.D
Acq: 20 Aug 2020 18:00

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	60.4	0.0	54.0#
125	24.4	0.0	20.8#

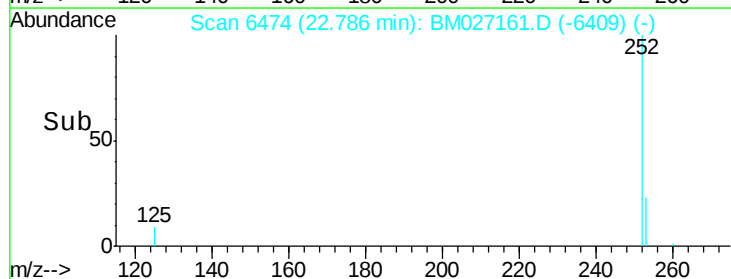
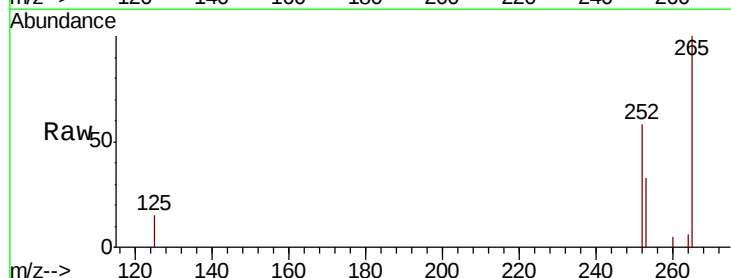
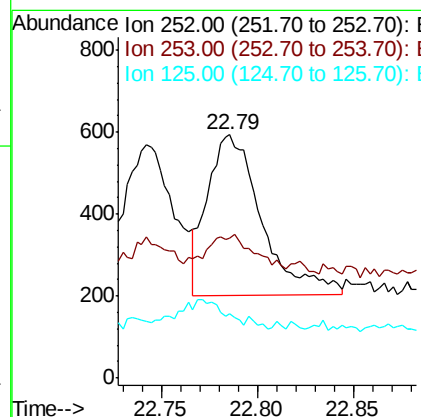
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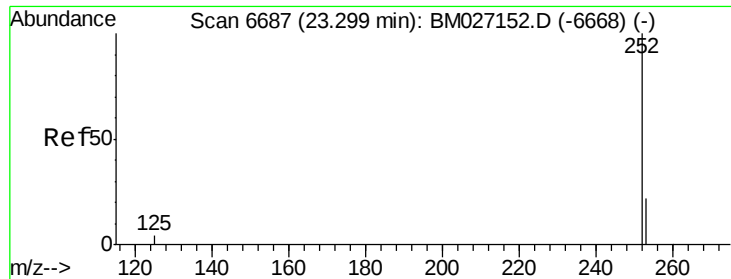
mohammad
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#22
Benzo(k)fluoranthene
Concen: 0.068 ng/u1
RT: 22.79 min Scan# 6474
Delta R.T. 0.01 min
Lab File: BM027161.D
Acq: 20 Aug 2020 18:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	57.4	21.7	32.5#
125	26.4	7.9	11.9#





#23

Benzo(a)pyrene

Concen: 0.062 ng/u1

RT: 23.30 min Scan# 6685

Delta R.T. 0.00 min

Lab File: BM027161.D

Acq: 20 Aug 2020 18:00

Instrument :

BNA_M

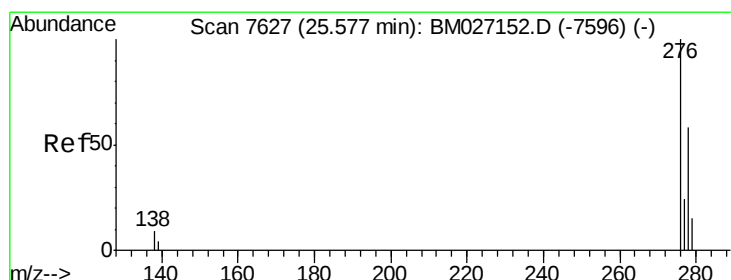
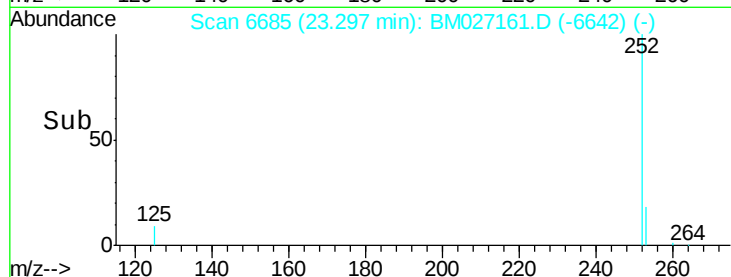
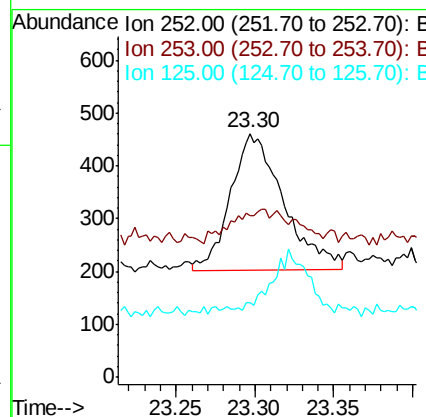
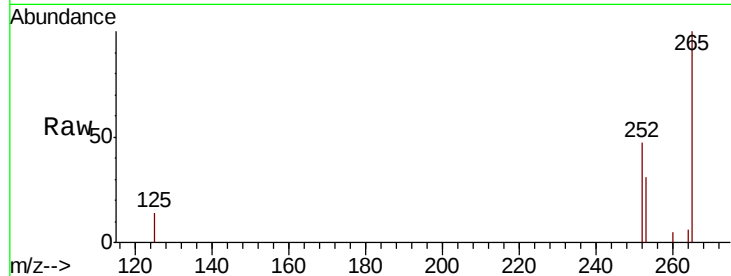
ClientSampleId :

MDL-SOIL-01

Tot Ion:	252	Resp:	607
Ion Ratio	Lower	Upper	
252	100		
253	66.4	23.4	35.0#
125	30.4	9.4	14.2#

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#24

Indeno(1,2,3-cd)pyrene

Concen: 0.059 ng/u1

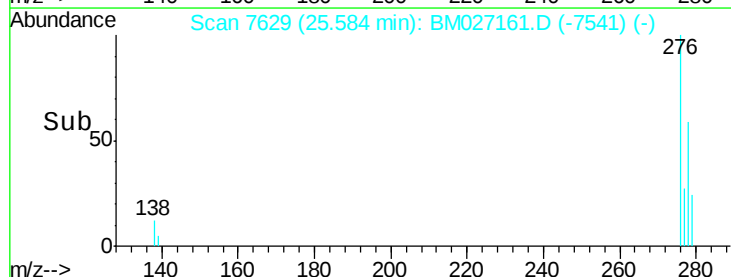
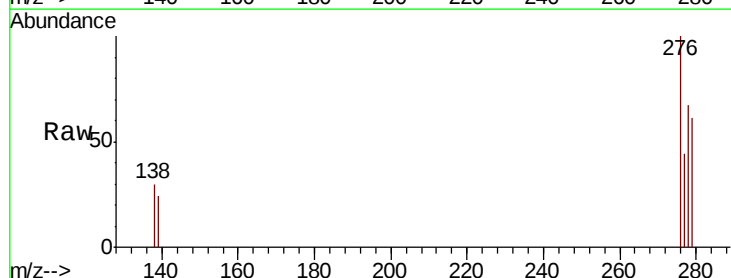
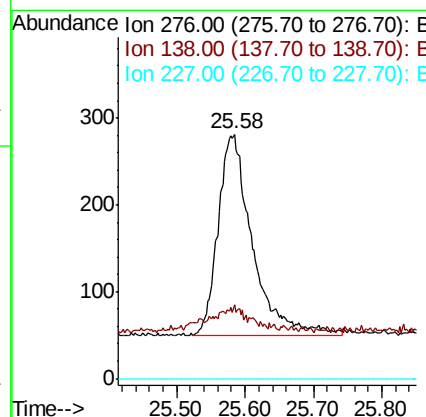
RT: 25.58 min Scan# 7629

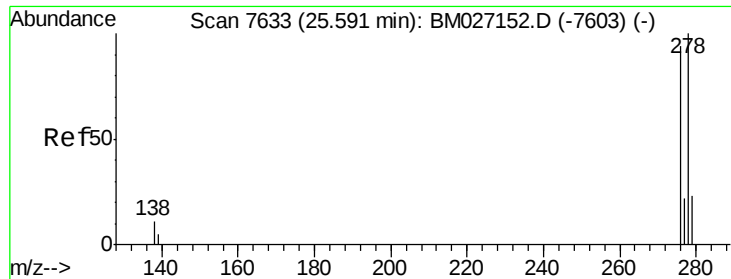
Delta R.T. 0.01 min

Lab File: BM027161.D

Acq: 20 Aug 2020 18:00

Tgt Ion:	276	Resp:	803
Ion Ratio	Lower	Upper	
276	100		
138	6.6	12.2	18.2#
227	0.0	0.0	0.0





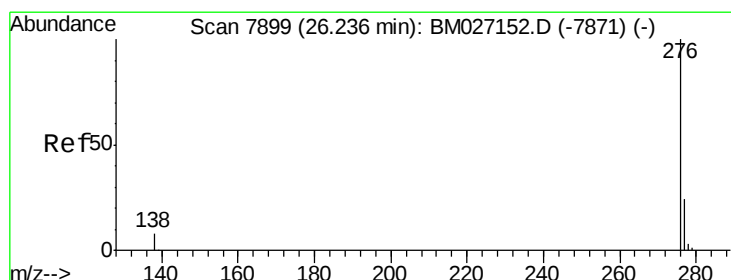
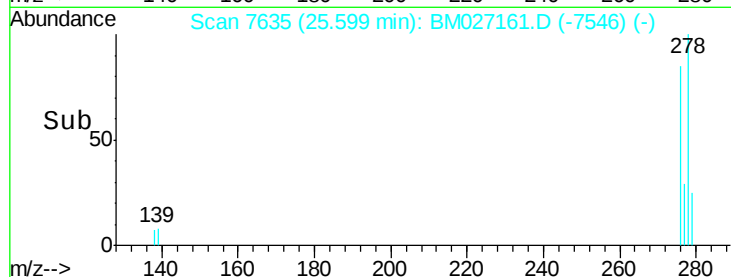
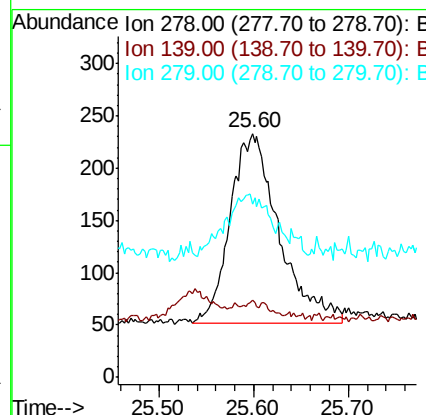
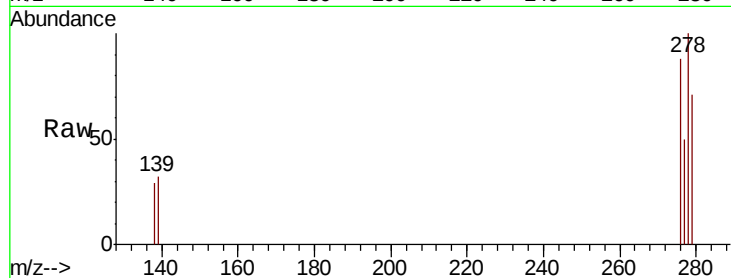
#25
Dibenzo(a,h)anthracene
Concen: 0.058 ng/u1
RT: 25.60 min Scan# 7635
Delta R.T. 0.01 min
Lab File: BM027161.D
Acq: 20 Aug 2020 18:00

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
278	100		
139	31.8	10.0	15.0#
279	71.2	22.9	34.3#

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#26
Benzo(g,h,i)perylene
Concen: 0.059 ng/u1
RT: 26.24 min Scan# 7901
Delta R.T. 0.01 min
Lab File: BM027161.D
Acq: 20 Aug 2020 18:00

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.2	12.0	18.0#
277	41.3	20.9	31.3#

