

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081820\
 Data File : BM027121.D
 Acq On : 18 Aug 2020 11:12
 Operator : JU/CG
 Sample : L1955-02
 Misc : MDL-S-02-0.07PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-02

Manual Integrations
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Quant Time: Aug 18 12:01:03 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	1006	0.40	ng/ul	0.00
2) Naphthalene-d8	10.40	136	3030	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.27	164	1854	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	4199	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	4037	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	4178	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	1787	0.35	ng/ul	0.00
14) Fluoranthene-d10	19.04	212	4413	0.37	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.45	128	399	0.044	ng/ul#	57
5) 2-Methylnaphthalene	12.08	142	293	0.047	ng/ul	98
7) Acenaphthylene	13.99	152	349	0.043	ng/ul#	72
8) Acenaphthene	14.33	153	320	0.046	ng/ul#	88
9) Fluorene	15.33	166	391	0.047	ng/ul#	93
11) Pentachlorophenol	16.69	266	74m	0.053	ng/ul	
12) Phenanthrene	17.05	178	646	0.045	ng/ul#	74
13) Anthracene	17.15	178	526	0.041	ng/ul#	70
15) Fluoranthene	19.08	202	808	0.047	ng/ul	78
17) Pyrene	19.44	202	852	0.049	ng/ul#	77
18) Benzo(a)anthracene	21.20	228	753	0.047	ng/ul#	86
19) Chrysene	21.25	228	934	0.054	ng/ul#	91
21) Benzo(b)fluoranthene	22.75	252	886	0.049	ng/ul#	42
22) Benzo(k)fluoranthene	22.80	252	845	0.045	ng/ul#	31
23) Benzo(a)pyrene	23.31	252	729	0.045	ng/ul#	26
24) Indeno(1,2,3-cd)pyrene	25.60	276	1049	0.047	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.61	278	827	0.045	ng/ul#	30
26) Benzo(g,h,i)perylene	26.25	276	925	0.048	ng/ul#	72

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

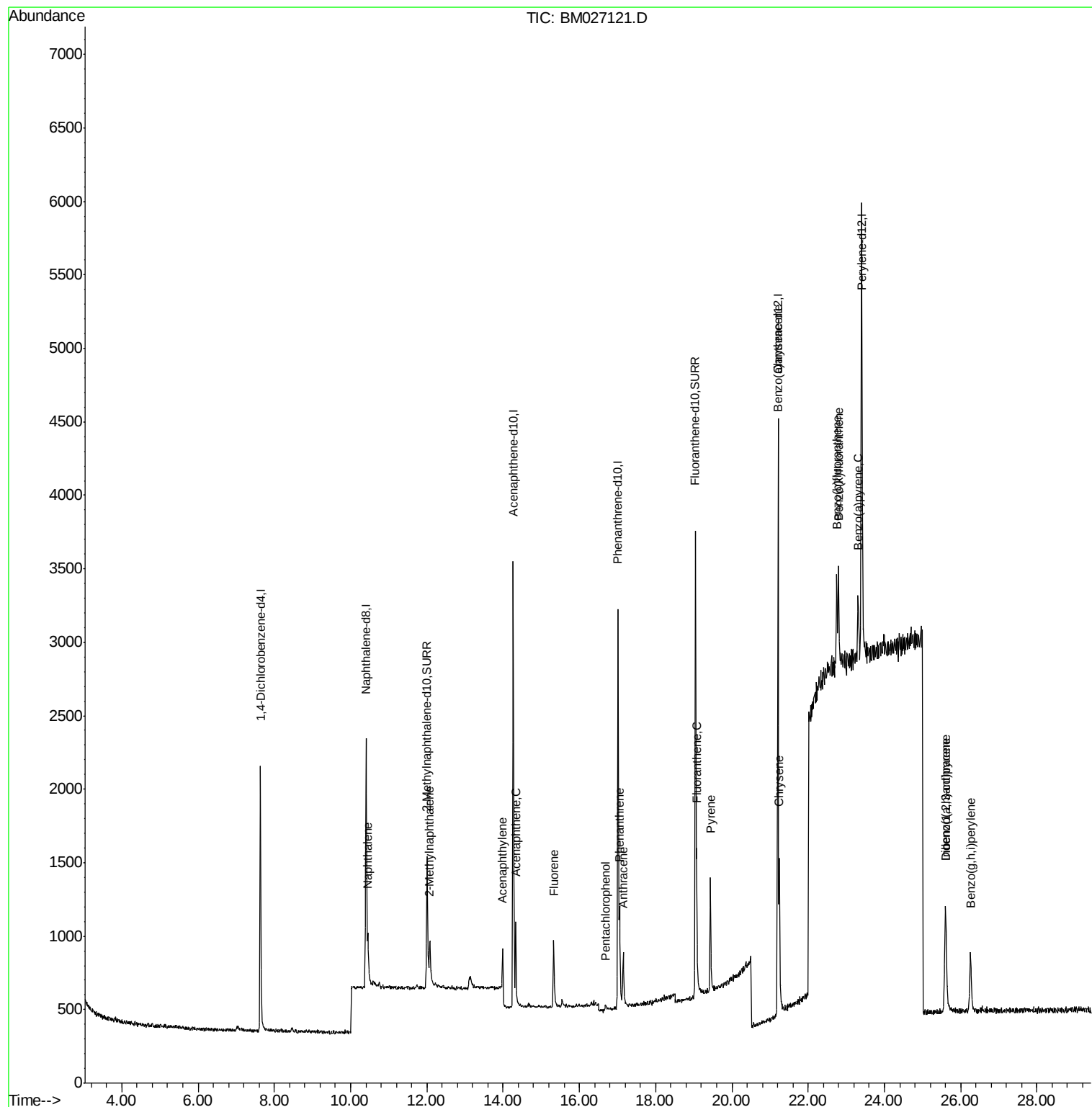
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081820\
Data File : BM027121.D
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ALS Vial : 6 Sample Multiplier: 1

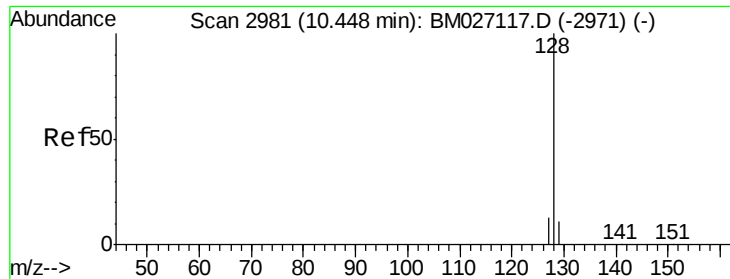
Instrument :
BNA_M
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MDL-SOIL-02

Manual Integrations
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Quant Time: Aug 18 12:01:03 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM081720.M
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Response via : Initial Calibration





#3

Naphthalene

Concen: 0.044 ng/ul

RT: 10.45 min Scan# 2982

Delta R.T. 0.00 min

Lab File: BM027121.D

Acq: 18 Aug 2020 11:12

Instrument :

BNA_M

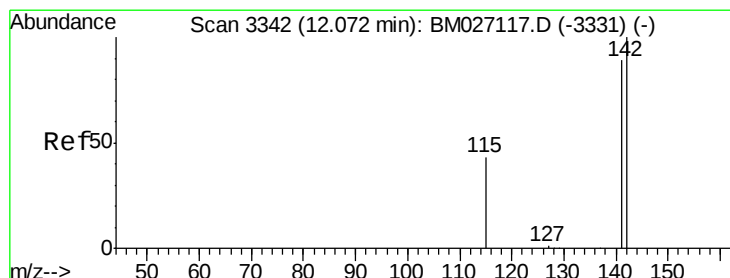
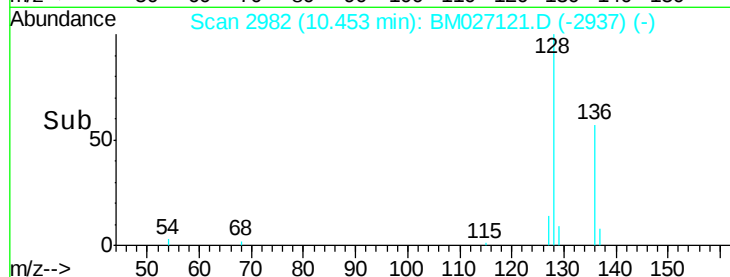
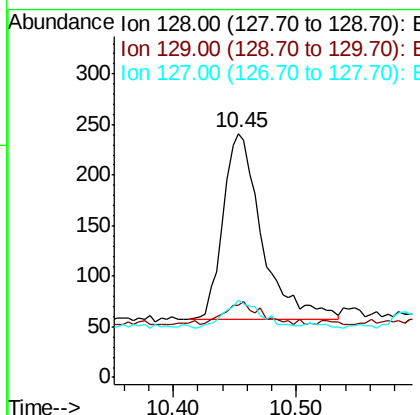
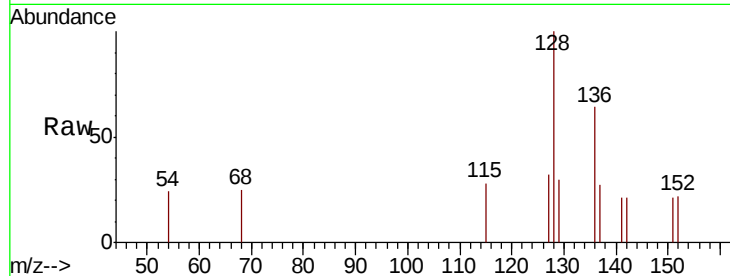
ClientSampleId :

MDL-SOIL-02

Tot Ion:	128	Resp:	399
Ion Ratio	Lower	Upper	
128	100		
129	29.9	10.1	15.1#
127	31.5	11.6	17.4#

Manual Integrations
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#5

2-Methylnaphthalene

Concen: 0.047 ng/ul

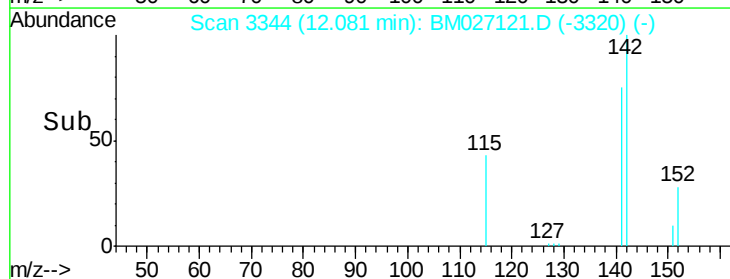
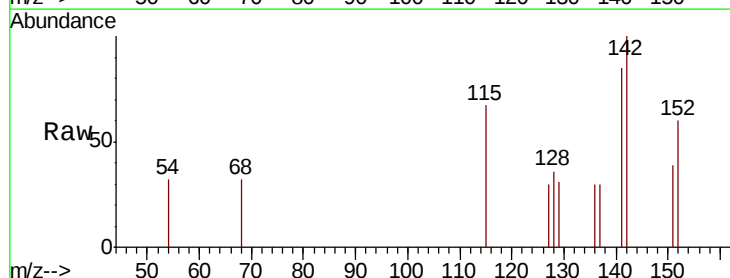
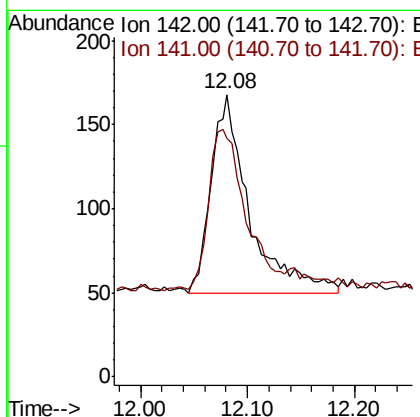
RT: 12.08 min Scan# 3344

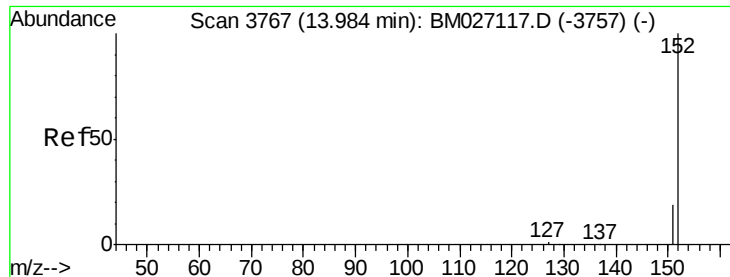
Delta R.T. 0.01 min

Lab File: BM027121.D

Acq: 18 Aug 2020 11:12

Tgt Ion:	142	Resp:	293
Ion Ratio	Lower	Upper	
142	100		
141	88.7	72.9	109.3





#7

Acenaphthylene

Concen: 0.043 ng/ul

RT: 13.99 min Scan# 3768

Delta R.T. 0.00 min

Lab File: BM027121.D

Acq: 18 Aug 2020 11:12

Instrument :

BNA_M

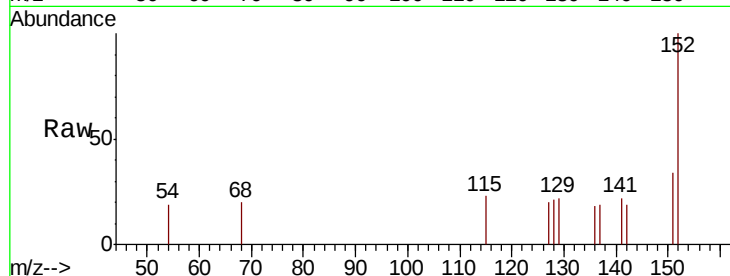
ClientSampleId :

MDL-SOIL-02

Tot Ion	Ratio	Lower	Upper
152	100		
151	34.3	16.9	25.3#
153	0.0	0.0	0.0

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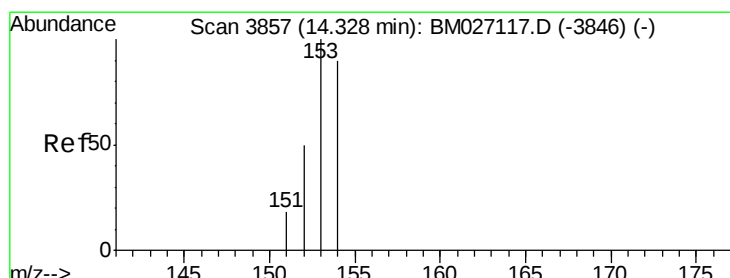
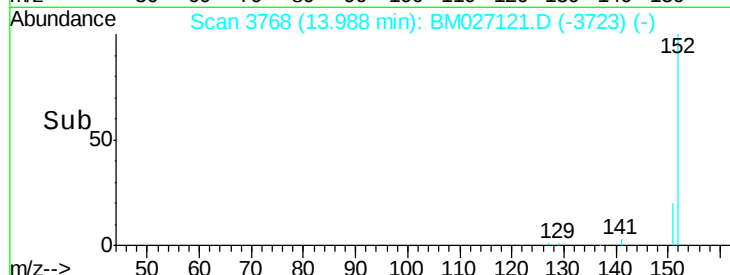
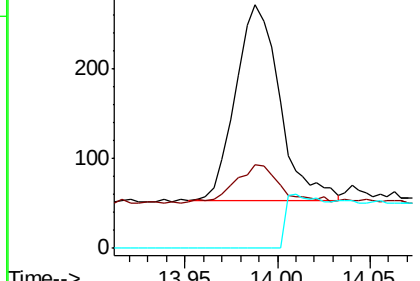
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#8

Acenaphthene

Concen: 0.046 ng/ul

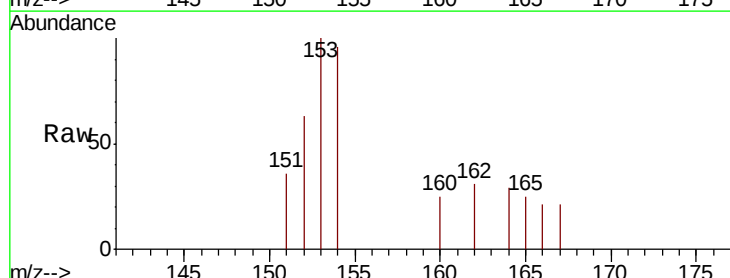
RT: 14.33 min Scan# 3857

Delta R.T. 0.00 min

Lab File: BM027121.D

Acq: 18 Aug 2020 11:12

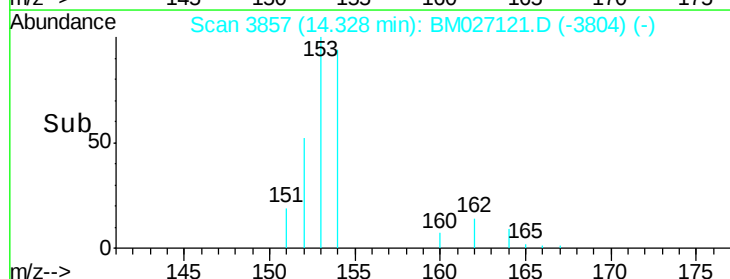
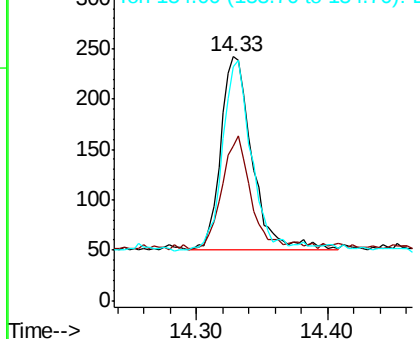
Tgt Ion	Ratio	Lower	Upper
153	100		
152	63.2	40.9	61.3#
154	95.9	70.0	105.0

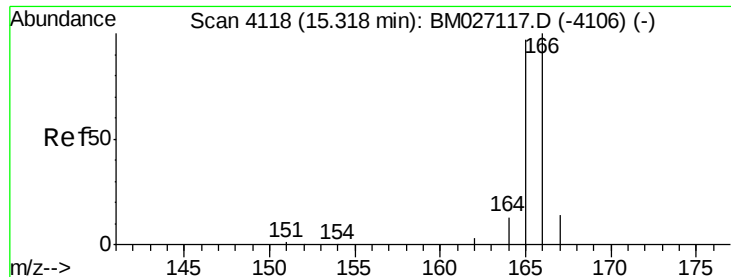


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.047 ng/ul

RT: 15.33 min Scan# 4120

Delta R.T. 0.01 min

Lab File: BM027121.D

Acq: 18 Aug 2020 11:12

Instrument :

BNA_M

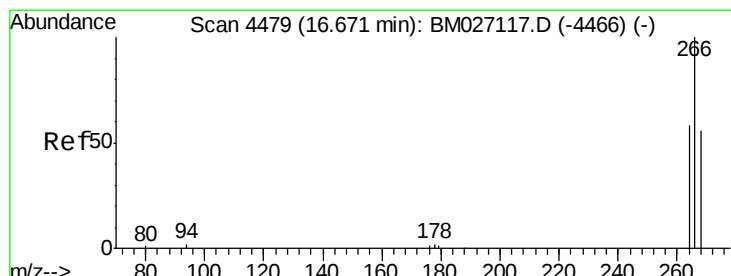
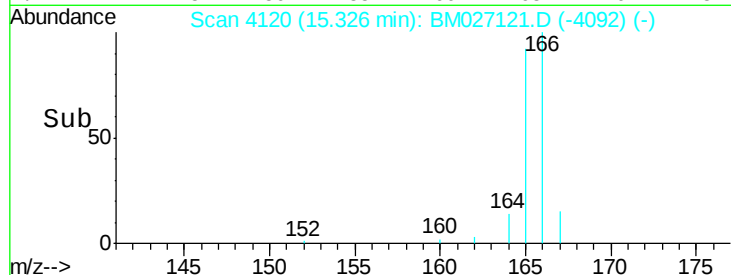
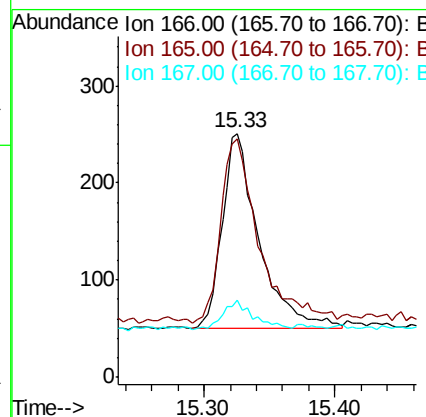
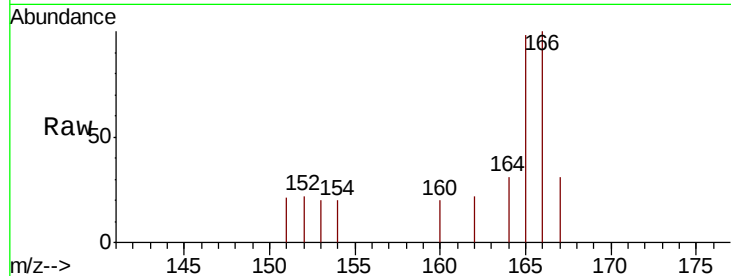
ClientSampleId :

MDL-SOIL-02

Tot Ion:	166	Resp:	391
Ion Ratio	Lower	Upper	
166	100		
165	97.6	79.8	119.6
167	31.5	12.1	18.1#

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#11

Pentachlorophenol

Concen: 0.053 ng/ul m

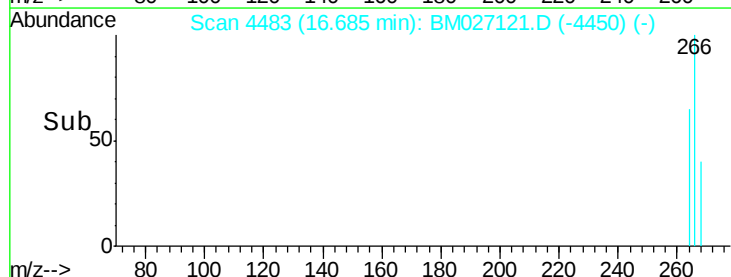
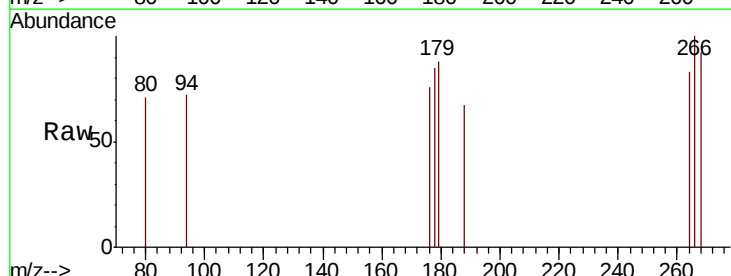
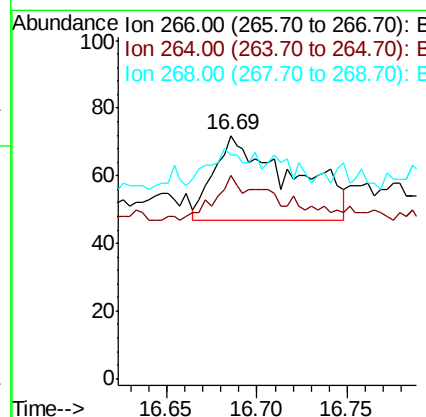
RT: 16.69 min Scan# 4483

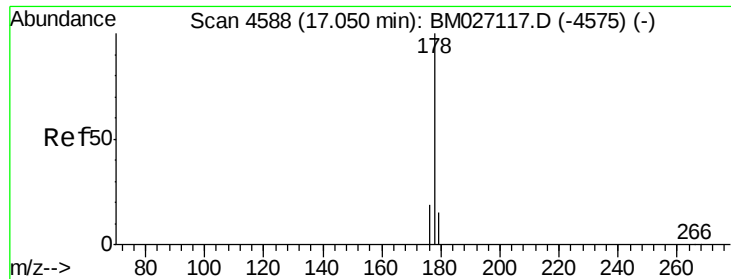
Delta R.T. 0.01 min

Lab File: BM027121.D

Acq: 18 Aug 2020 11:12

Tgt Ion:	266	Resp:	74
Ion Ratio	Lower	Upper	
266	100		
264	1.4	47.8	71.8#
268	1.4	48.5	72.7#





#12

Phenanthrene

Concen: 0.045 ng/ul

RT: 17.05 min Scan# 4589

Delta R.T. 0.00 min

Lab File: BM027121.D

Acq: 18 Aug 2020 11:12

Instrument :

BNA_M

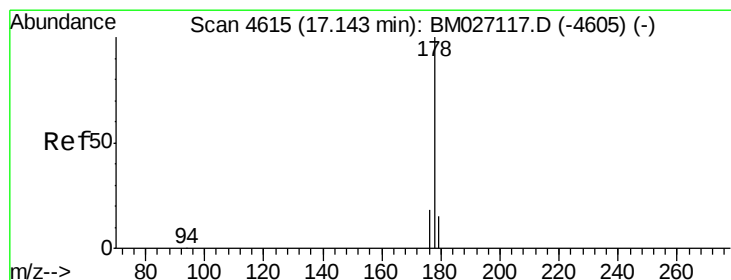
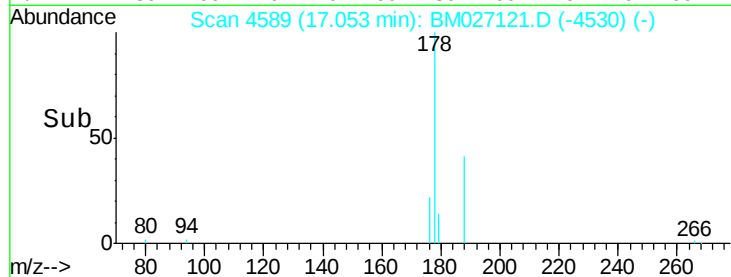
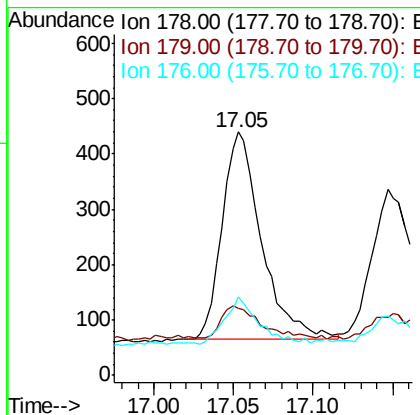
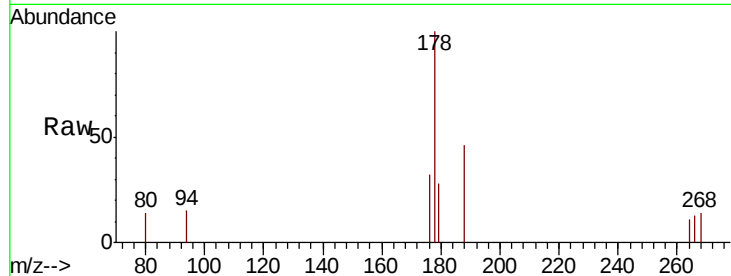
ClientSampleId :

MDL-SOIL-02

Tot Ion:	178	Resp:	646
Ion	Ratio	Lower	Upper
178	100		
179	27.5	13.4	20.2#
176	32.0	16.0	24.0#

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#13

Anthracene

Concen: 0.041 ng/ul

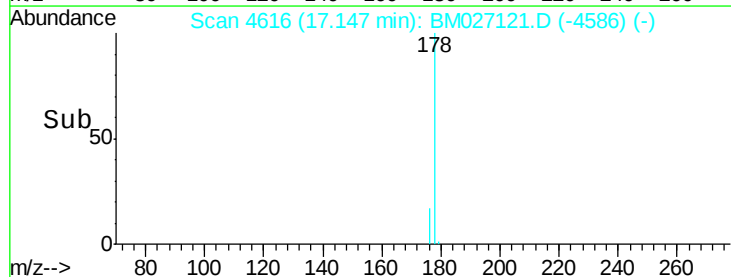
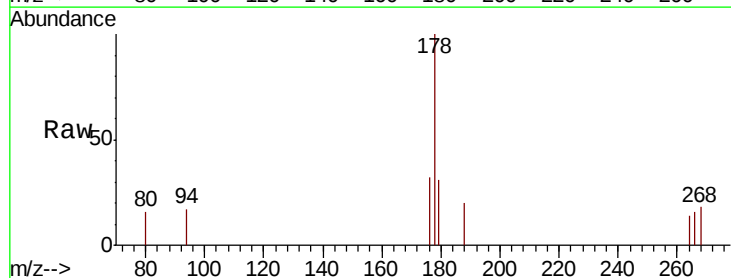
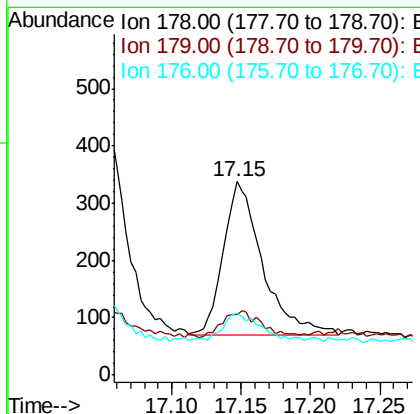
RT: 17.15 min Scan# 4616

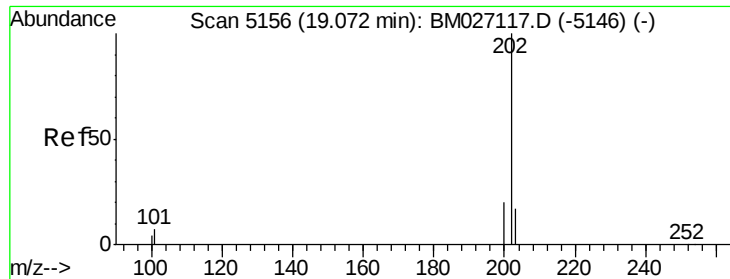
Delta R.T. 0.00 min

Lab File: BM027121.D

Acq: 18 Aug 2020 11:12

Tgt Ion:	178	Resp:	526
Ion	Ratio	Lower	Upper
178	100		
179	31.2	13.7	20.5#
176	31.8	15.5	23.3#





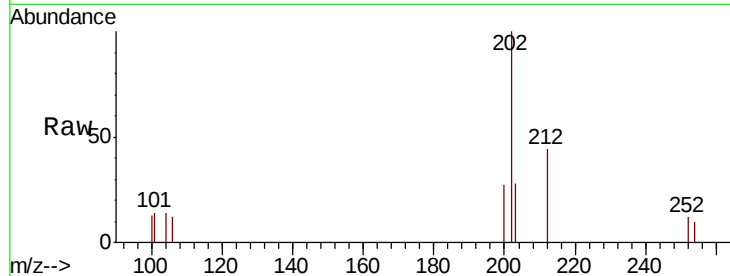
#15
Fluoranthene
 Concen: 0.047 ng/ul
 RT: 19.08 min Scan# 5157
 Delta R.T. 0.00 min
 Lab File: BM027121.D
 Acq: 18 Aug 2020 11:12

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-02

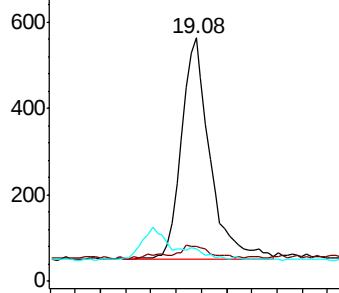
Tot Ion	Ratio	Resp	Lower	Upper
202	100	808		
101	14.4		0.0	27.1
100	13.3		0.0	25.7

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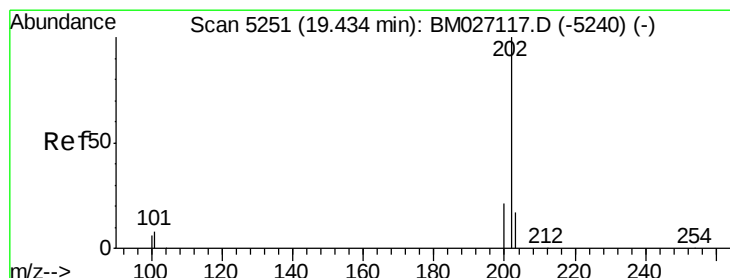
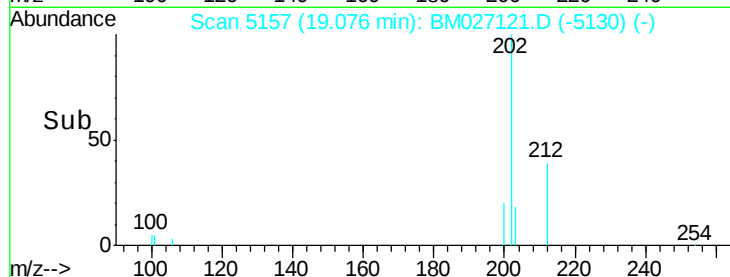
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Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

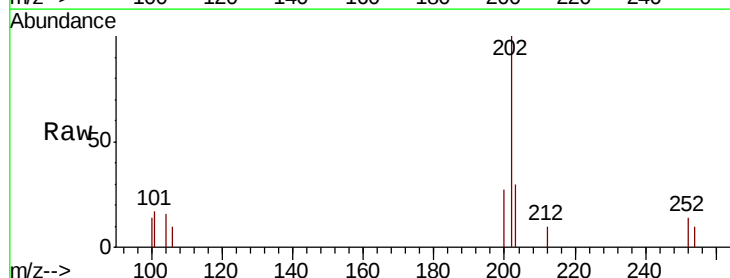


Time-->

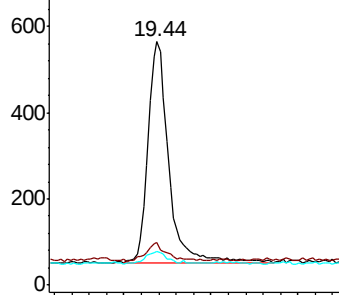


#17
Pyrene
 Concen: 0.049 ng/ul
 RT: 19.44 min Scan# 5252
 Delta R.T. 0.00 min
 Lab File: BM027121.D
 Acq: 18 Aug 2020 11:12

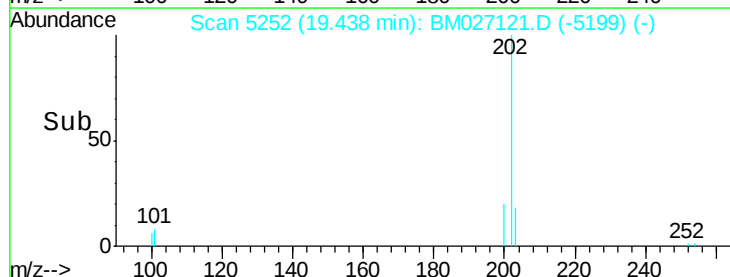
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	852		
101	17.3		6.6	9.8#
100	14.0		5.6	8.4#

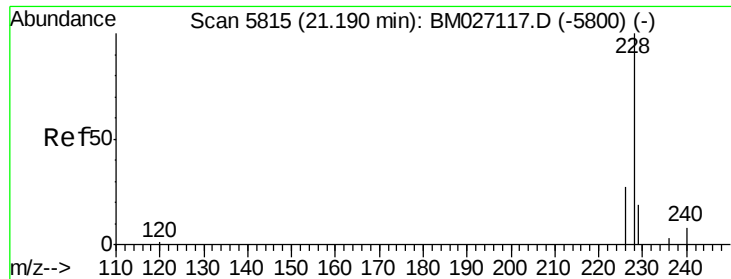


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B



Time-->





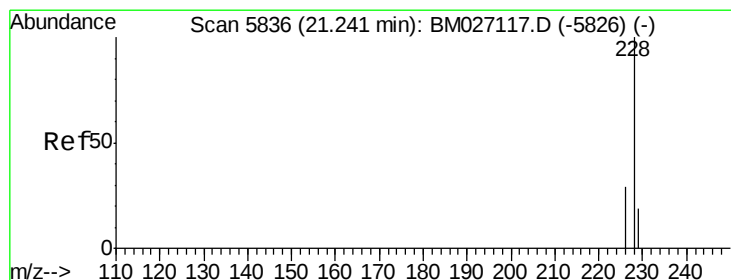
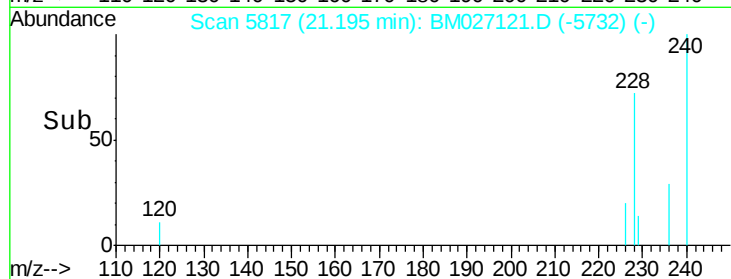
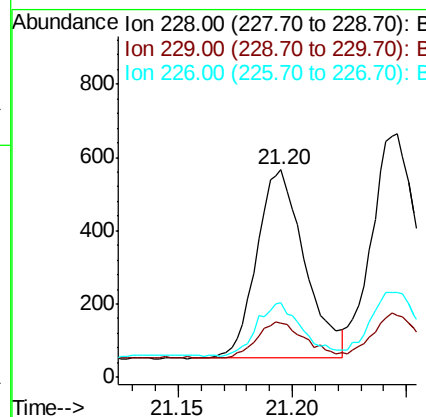
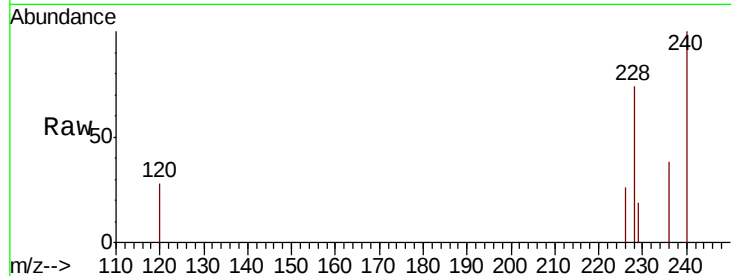
#18
Benzo(a)anthracene
Concen: 0.047 ng/ul
RT: 21.20 min Scan# 5817
Delta R.T. 0.00 min
Lab File: BM027121.D
Acq: 18 Aug 2020 11:12

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-02

Tot Ion	Ratio	Lower	Upper
228	100		
229	26.3	16.2	24.4#
226	35.7	22.4	33.6#

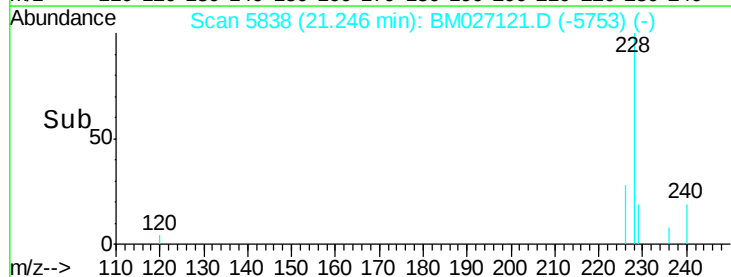
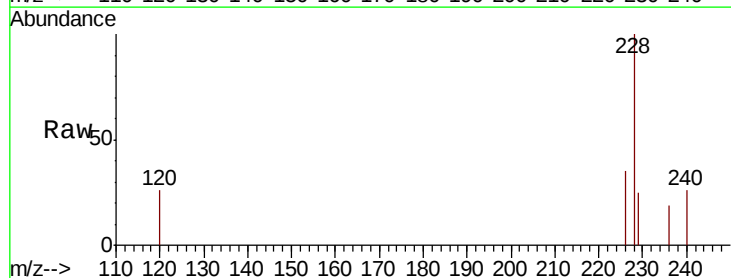
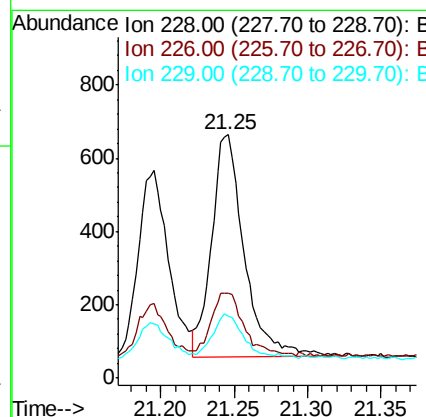
Manual Integrations
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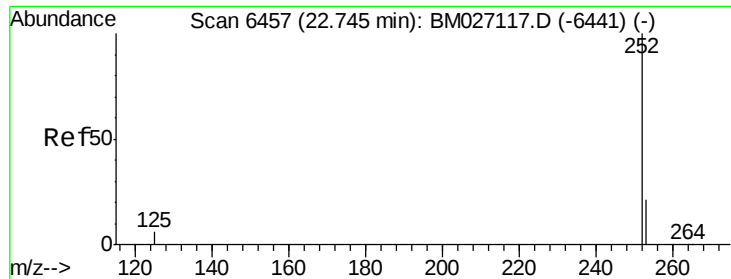
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#19
Chrysene
Concen: 0.054 ng/ul
RT: 21.25 min Scan# 5838
Delta R.T. 0.00 min
Lab File: BM027121.D
Acq: 18 Aug 2020 11:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.8	24.6	36.8
229	25.5	15.9	23.9#





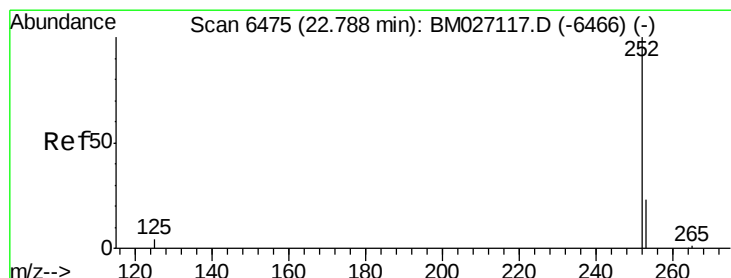
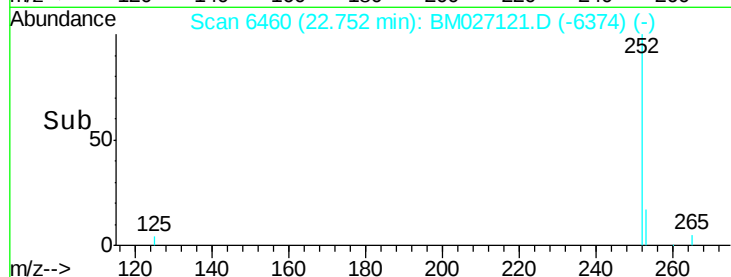
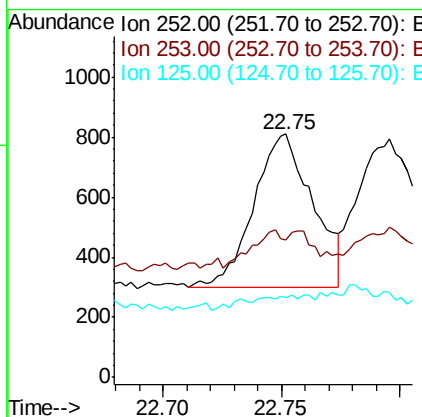
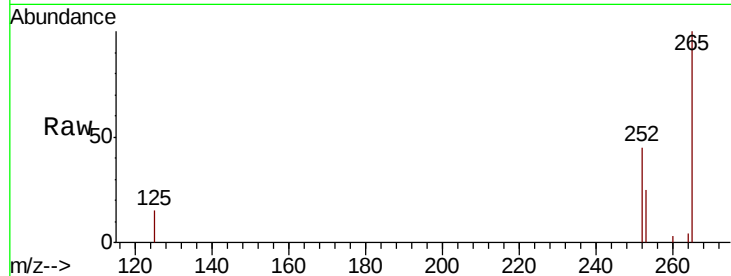
#21
Benzo(b)fluoranthene
Concen: 0.049 ng/ul
RT: 22.75 min Scan# 6460
Delta R.T. 0.01 min
Lab File: BM027121.D
Acq: 18 Aug 2020 11:12

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-02

Tot Ion	Ratio	Lower	Upper
252	100		
253	56.5	0.0	54.0#
125	32.7	0.0	20.8#

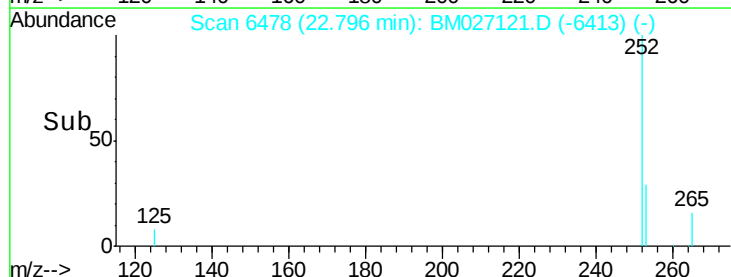
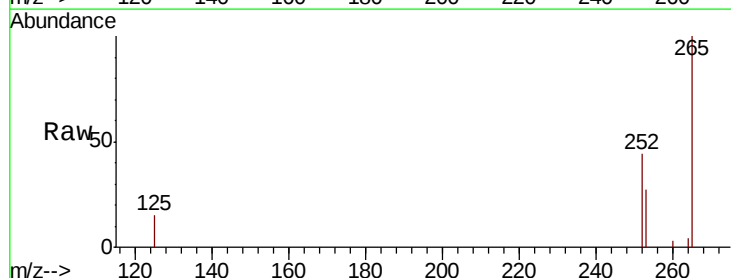
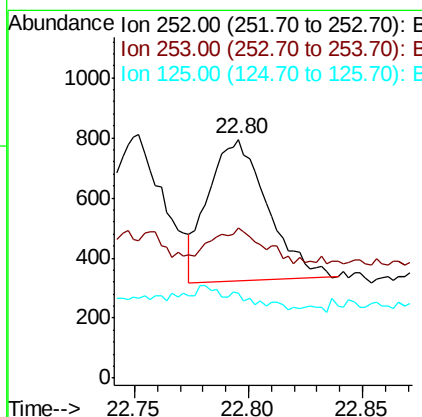
Manual Integrations
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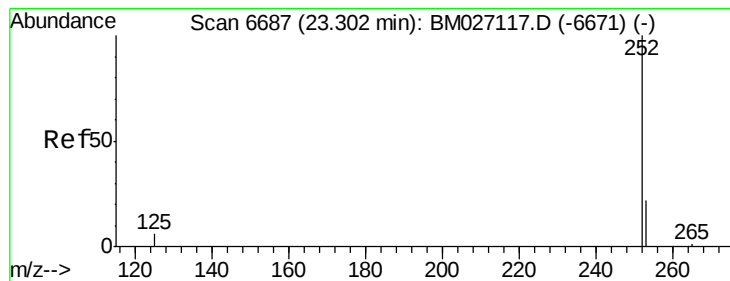
mohammad
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#22
Benzo(k)fluoranthene
Concen: 0.045 ng/ul
RT: 22.80 min Scan# 6478
Delta R.T. 0.01 min
Lab File: BM027121.D
Acq: 18 Aug 2020 11:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	62.9	21.7	32.5#
125	35.5	7.9	11.9#





#23

Benzo(a)pyrene

Concen: 0.045 ng/u1

RT: 23.31 min Scan# 6690

Delta R.T. 0.01 min

Lab File: BM027121.D

Acq: 18 Aug 2020 11:12

Instrument :

BNA_M

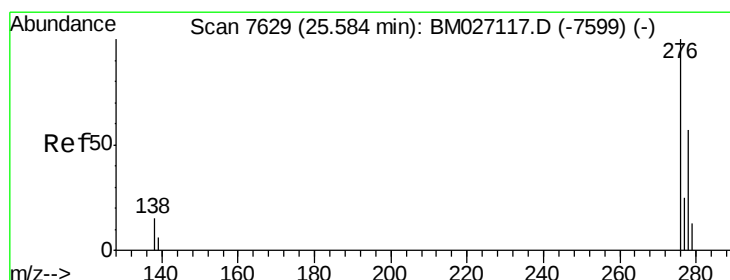
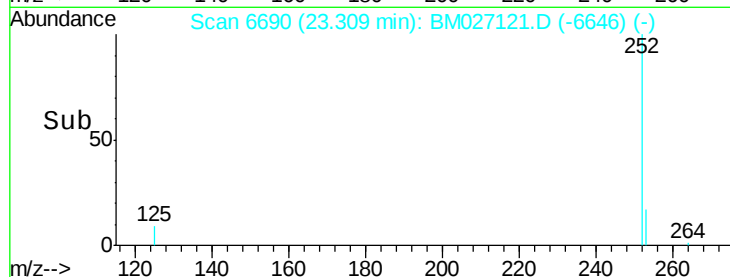
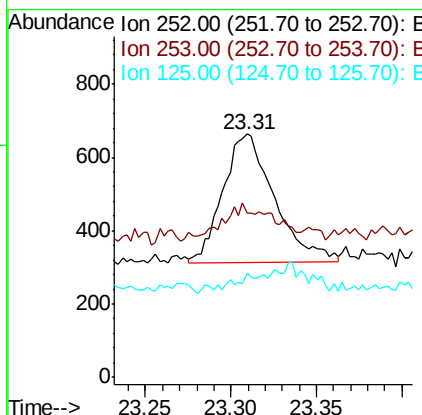
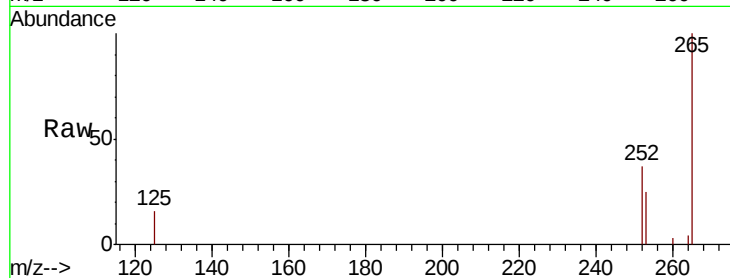
ClientSampleId :

MDL-SOIL-02

Tot Ion:	252	Resp:	729
Ion Ratio	Lower	Upper	
252	100		
253	67.3	23.4	35.0#
125	42.9	9.4	14.2#

Manual Integrations
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#24

Indeno(1,2,3-cd)pyrene

Concen: 0.047 ng/u1

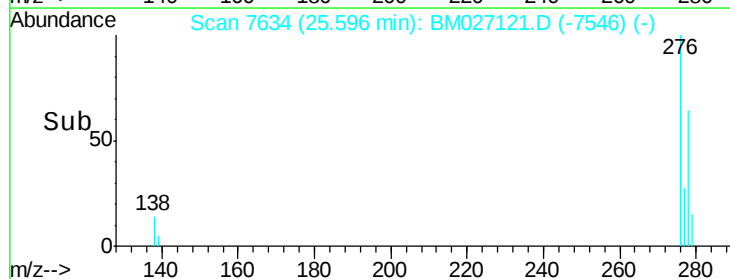
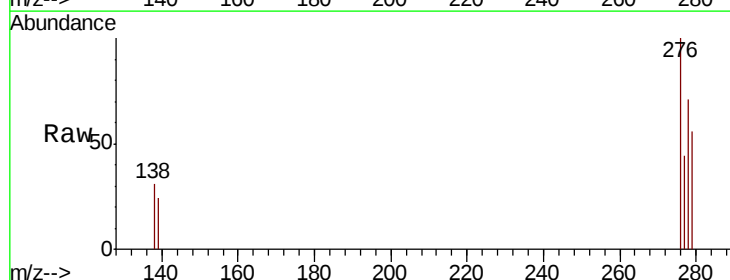
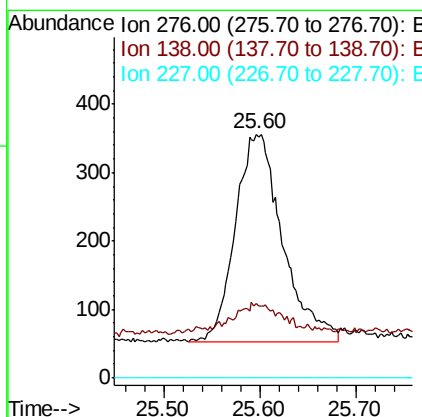
RT: 25.60 min Scan# 7634

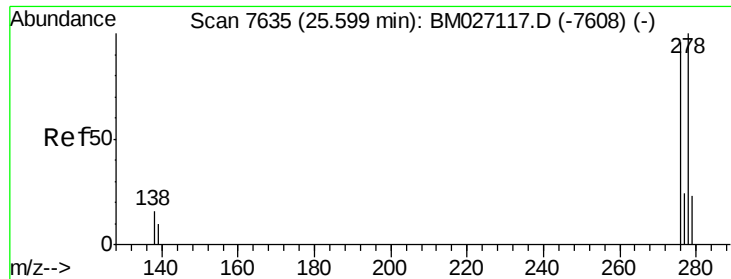
Delta R.T. 0.01 min

Lab File: BM027121.D

Acq: 18 Aug 2020 11:12

Tgt Ion:	276	Resp:	1049
Ion Ratio	Lower	Upper	
276	100		
138	11.9	12.2	18.2#
227	0.0	0.0	0.0





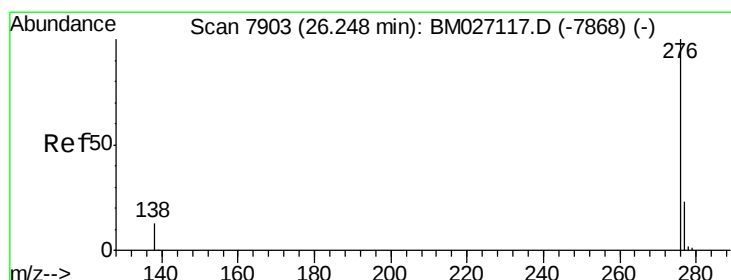
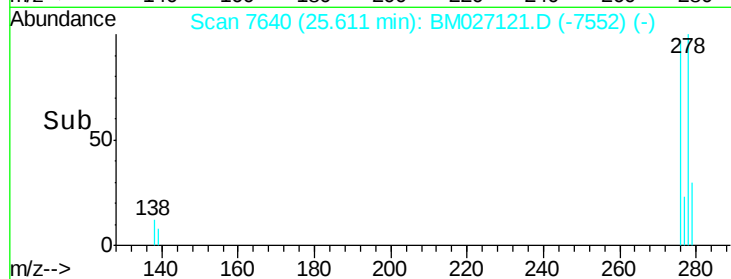
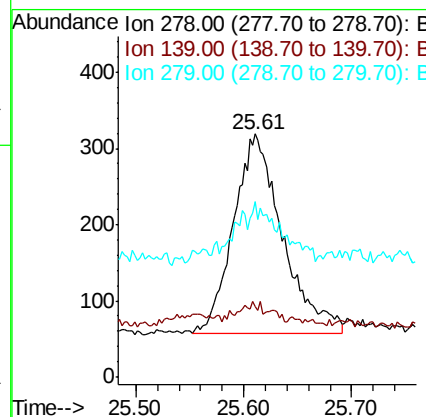
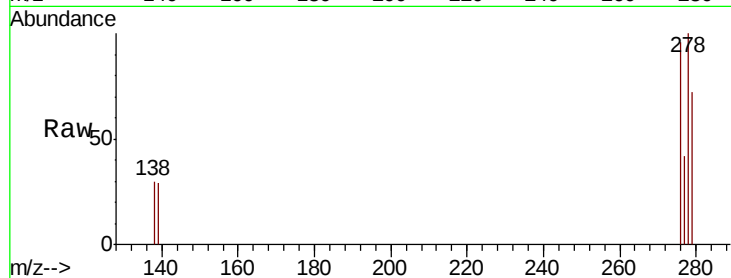
#25
Dibenzo(a,h)anthracene
Concen: 0.045 ng/u1
RT: 25.61 min Scan# 7640
Delta R.T. 0.01 min
Lab File: BM027121.D
Acq: 18 Aug 2020 11:12

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-02

Tot Ion	Ratio	Lower	Upper
278	100		
139	28.8	10.0	15.0#
279	72.4	22.9	34.3#

Manual Integrations
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#26
Benzo(g,h,i)perylene
Concen: 0.048 ng/u1
RT: 26.25 min Scan# 7905
Delta R.T. 0.00 min
Lab File: BM027121.D
Acq: 18 Aug 2020 11:12

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.8	12.0	18.0#
277	39.8	20.9	31.3#

