

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030722\
 Data File : BM034139.D
 Acq On : 07 Mar 2022 13:06
 Operator : CG/JU
 Sample : N1331-04
 Misc : SFAM-SIM-MDL-SOIL02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT1-2022-02

Quant Time: Mar 07 13:39:49 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM030322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 03 14:59:52 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/07/2022
 Supervised By :mohammad ahmed 03/09/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.005	152	2778	0.400	ng/ul	0.00
4) Naphthalene-d8	10.818	136	7459	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.634	164	4750	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.375	188	10205	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.545	240	8018	0.400	ng/ul	# 0.00
23) Perylene-d12	23.991	264	7889	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.381	96	1826	0.565	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.401	152	3577	0.311	ng/ul	0.00
18) Fluoranthene-d10	19.394	212	8276	0.342	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.418	88	195	0.062	ng/ul#	66
5) Naphthalene	10.867	128	1306	0.064	ng/ul	97
7) 2-Methylnaphthalene	12.473	142	882	0.061	ng/ul	100
8) 1-Methylnaphthalene	12.693	142	863	0.060	ng/ul	99
10) Acenaphthylene	14.356	152	1277	0.064	ng/ul	99
11) Acenaphthene	14.698	153	1005	0.062	ng/ul	96
12) Fluorene	15.684	166	1154	0.059	ng/ul	98
14) Pentachlorophenol	17.029	266	273m	0.083	ng/ul	
15) Phenanthrene	17.417	178	1906	0.062	ng/ul	97
16) Anthracene	17.510	178	1603	0.057	ng/ul	97
19) Fluoranthene	19.427	202	2218	0.067	ng/ul	96
20) Pyrene	19.789	202	2185	0.066	ng/ul	97
21) Benzo(a)anthracene	21.530	228	1742	0.062	ng/ul	99
22) Chrysene	21.583	228	1919	0.065	ng/ul	98
24) Benzo(b)fluoranthene	23.249	252	1975m	0.061	ng/ul	
25) Benzo(k)fluoranthene	23.295	252	2051	0.063	ng/ul#	77
26) Benzo(a)pyrene	23.886	252	1785	0.066	ng/ul#	64
27) Indeno(1,2,3-cd)pyrene	26.558	276	2409	0.064	ng/ul#	93
28) Dibenzo(a,h)anthracene	26.579	278	1890	0.061	ng/ul#	63
29) Benzo(g,h,i)perylene	27.337	276	2073	0.062	ng/ul#	89

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

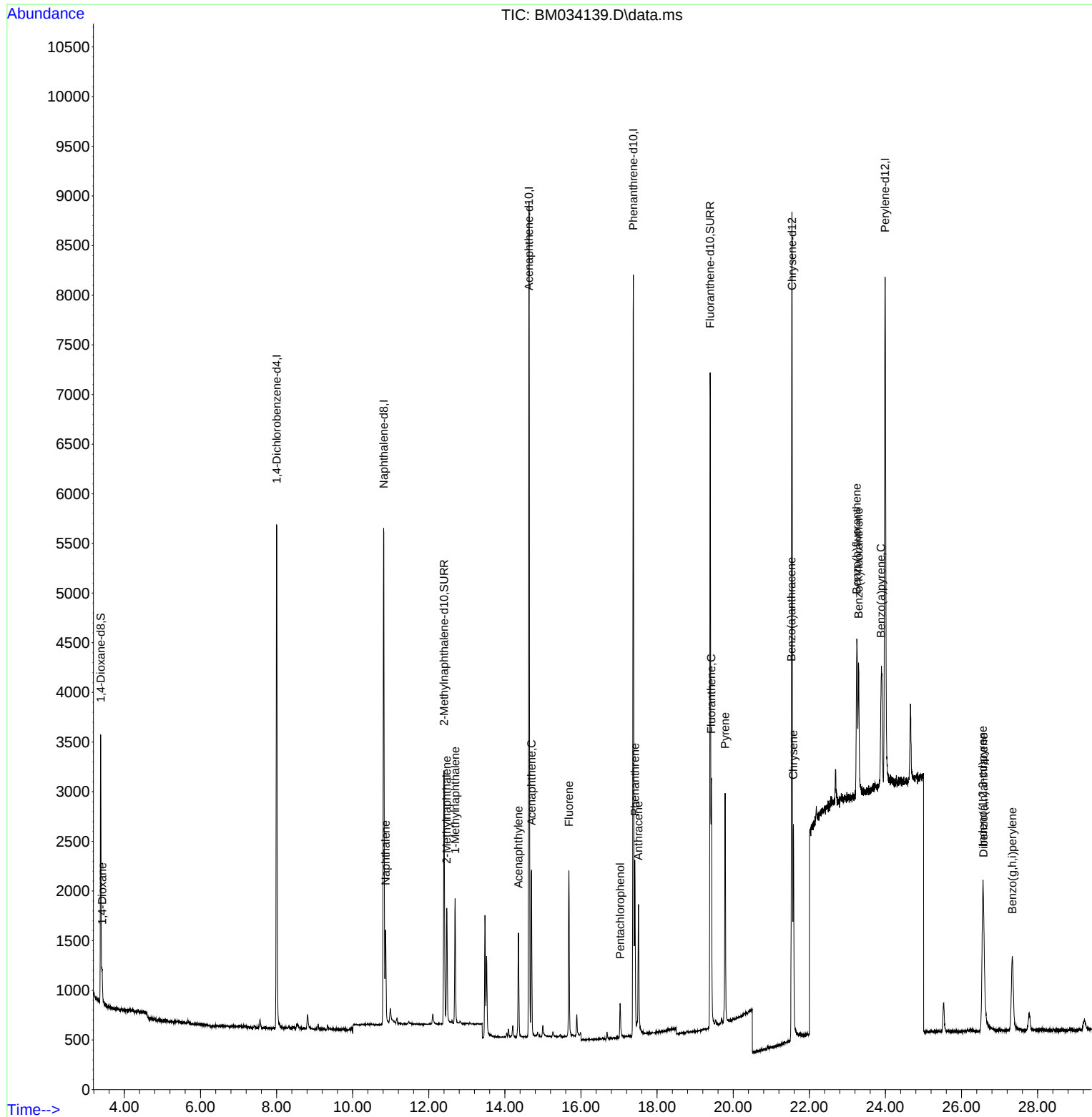
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030722\
Data File : BM034139.D
Acq On : 07 Mar 2022 13:06
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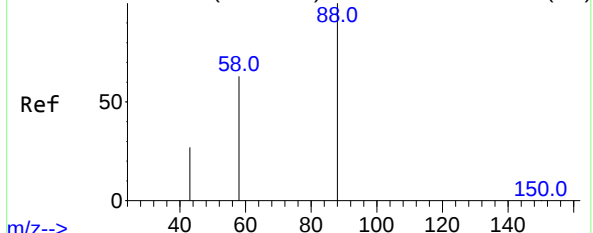
Quant Time: Mar 07 13:39:49 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM030322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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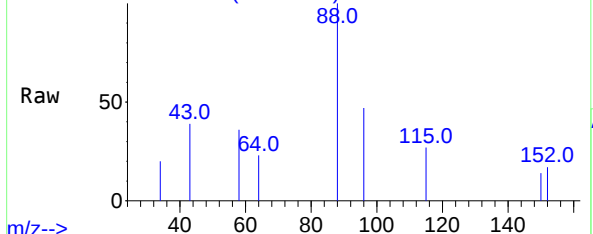
Abundance Scan 55 (3.414 min): BM034135.D\data.ms (-47)



#2
1,4-Dioxane
Concen: 0.062 ng/ul
RT: 3.418 min Scan# 50
Delta R.T. 0.004 min
Lab File: BM034139.D
Acq: 07 Mar 2022 13:06

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2022-02

Abundance Scan 56 (3.418 min): BM034139.D\data.ms

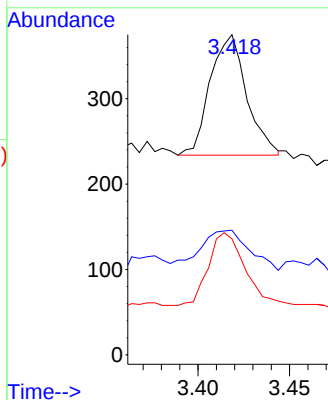
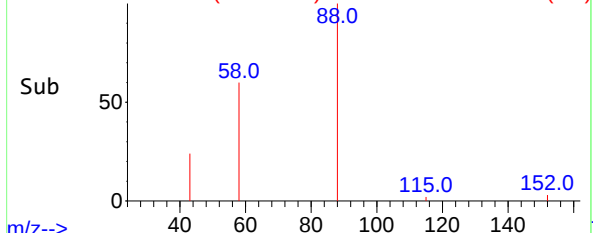


Tgt Ion: 88 Resp: 199
Ion Ratio Lower Upper
88 100
43 38.9 49.7 74.5
58 36.3 52.5 78.7

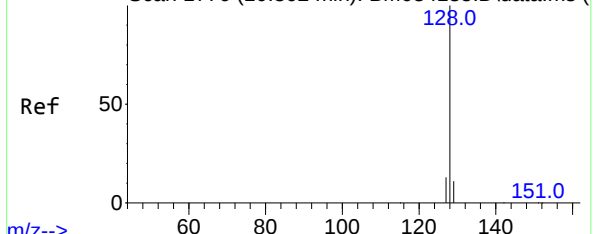
Manual Integrations
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Abundance Scan 56 (3.418 min): BM034139.D\data.ms (-43)



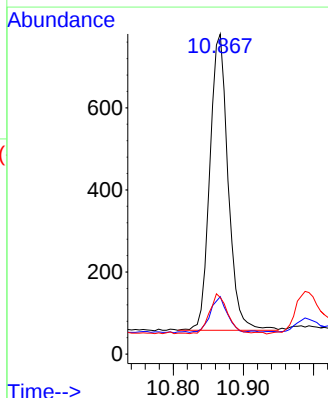
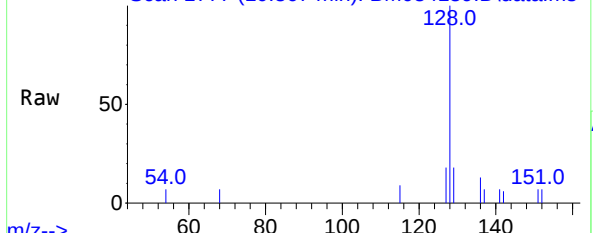
Abundance Scan 1776 (10.862 min): BM034135.D\data.ms (-43)



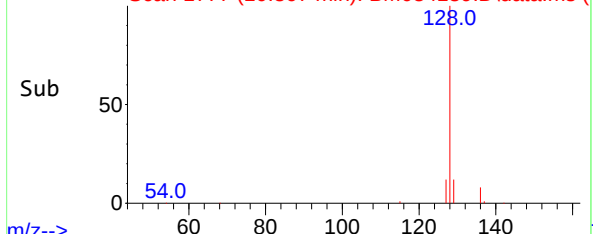
#5
Naphthalene
Concen: 0.064 ng/ul
RT: 10.867 min Scan# 1777
Delta R.T. 0.005 min
Lab File: BM034139.D
Acq: 07 Mar 2022 13:06

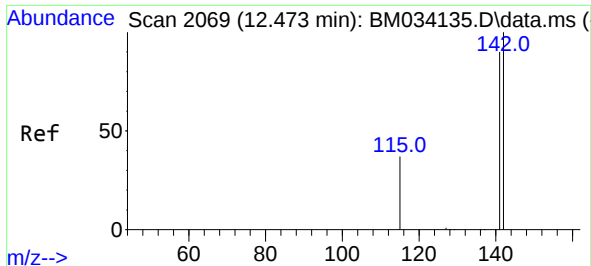
Tgt Ion:128 Resp: 1306
Ion Ratio Lower Upper
128 100
129 17.9 13.4 20.2
127 17.7 15.2 22.8

Abundance Scan 1777 (10.867 min): BM034139.D\data.ms



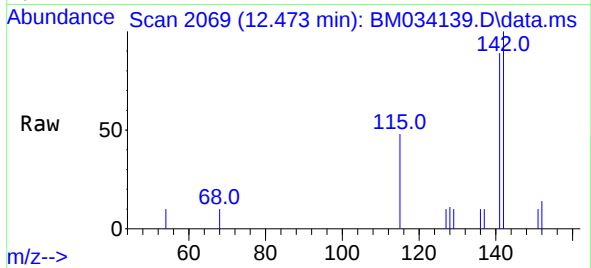
Abundance Scan 1777 (10.867 min): BM034139.D\data.ms (-43)





#7
2-Methylnaphthalene
Concen: 0.061 ng/ul
RT: 12.473 min Scan# 2069
Delta R.T. -0.000 min
Lab File: BM034139.D
Acq: 07 Mar 2022 13:06

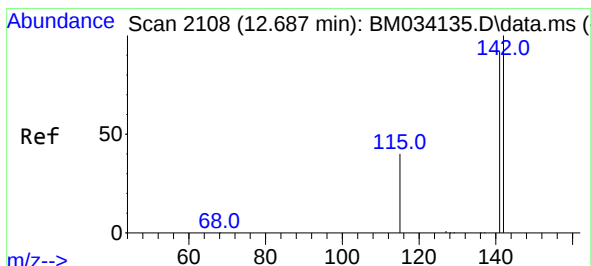
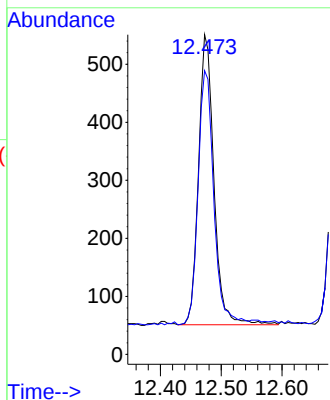
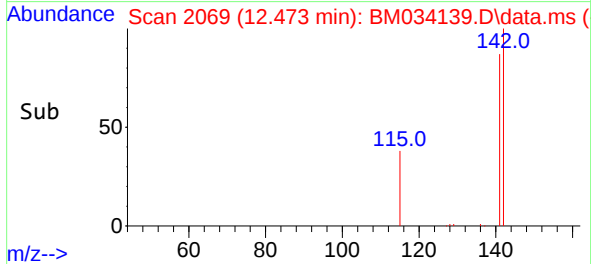
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2022-02



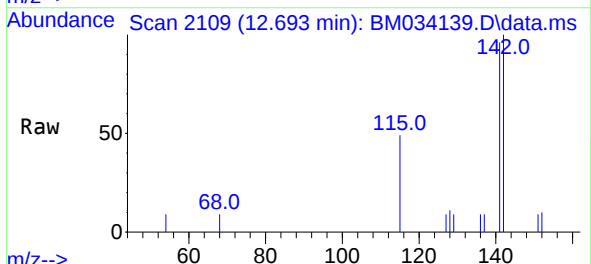
Tgt Ion:142 Resp: 882
Ion Ratio Lower Upper
142 100
141 89.3 71.8 107.6

Manual Integrations
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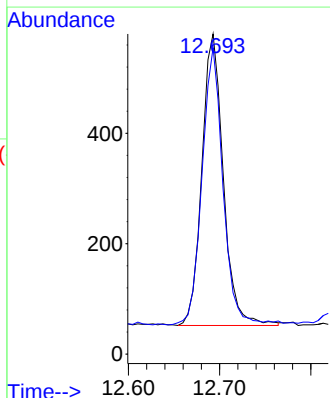
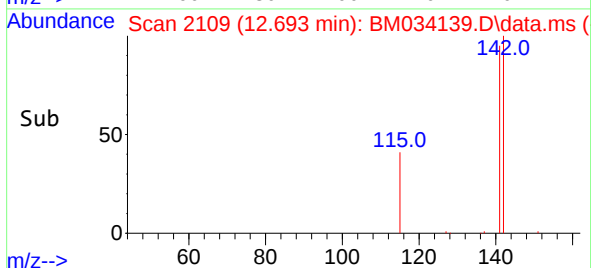
Reviewed By :Jagrut Upadhyay 03/07/2022
Supervised By :mohammad ahmed 03/09/2022

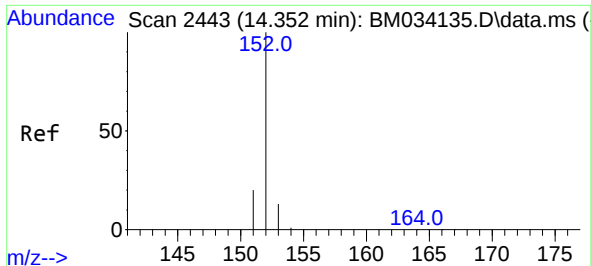


#8
1-Methylnaphthalene
Concen: 0.060 ng/ul
RT: 12.693 min Scan# 2109
Delta R.T. 0.005 min
Lab File: BM034139.D
Acq: 07 Mar 2022 13:06



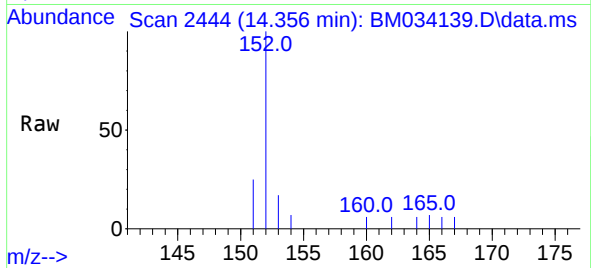
Tgt Ion:142 Resp: 863
Ion Ratio Lower Upper
142 100
141 93.0 75.0 112.4





#10
Acenaphthylene
Concen: 0.064 ng/u1
RT: 14.356 min Scan# 2443
Delta R.T. -0.000 min
Lab File: BM034139.D
Acq: 07 Mar 2022 13:06

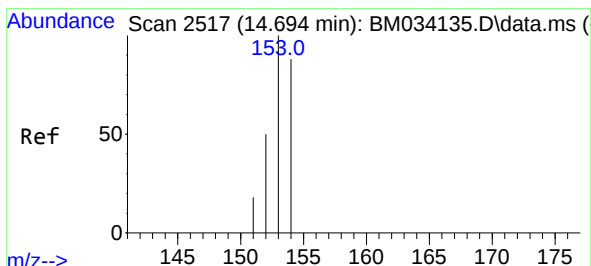
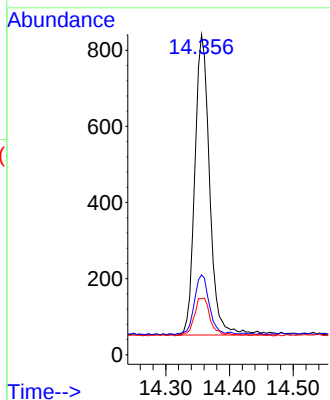
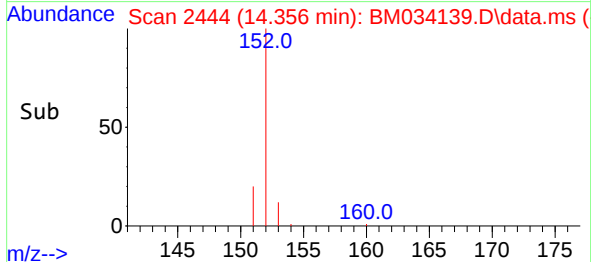
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2022-02



Tgt Ion:	152	Resp:	127
Ion Ratio	Lower	Upper	
152	100		
151	25.0	19.9	29.9
153	17.5	15.0	22.4

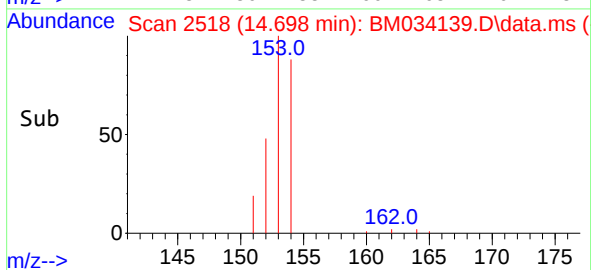
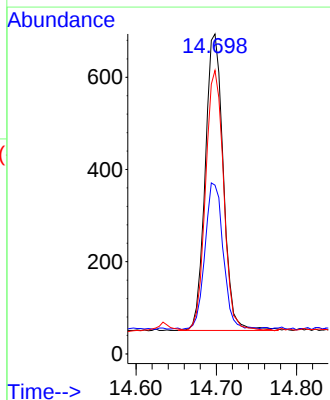
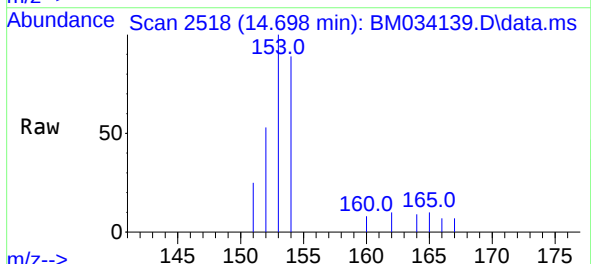
Manual Integrations
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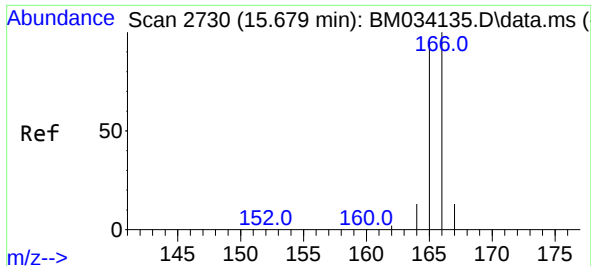
Reviewed By :Jagrut Upadhyay 03/07/2022
Supervised By :mohammad ahmed 03/09/2022



#11
Acenaphthene
Concen: 0.062 ng/u1
RT: 14.698 min Scan# 2518
Delta R.T. 0.005 min
Lab File: BM034139.D
Acq: 07 Mar 2022 13:06

Tgt Ion:	153	Resp:	1005
Ion Ratio	Lower	Upper	
153	100		
152	52.7	42.4	63.6
154	88.6	66.2	99.2





#12
Fluorene
Concen: 0.059 ng/ul
RT: 15.684 min Scan# 21
Delta R.T. 0.005 min
Lab File: BM034139.D
Acq: 07 Mar 2022 13:06

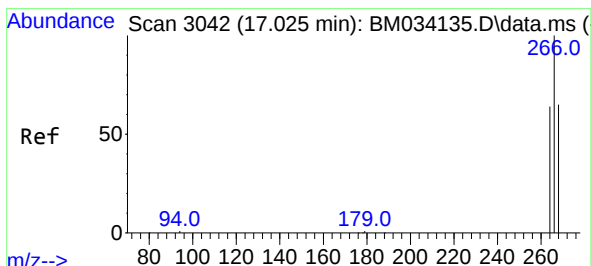
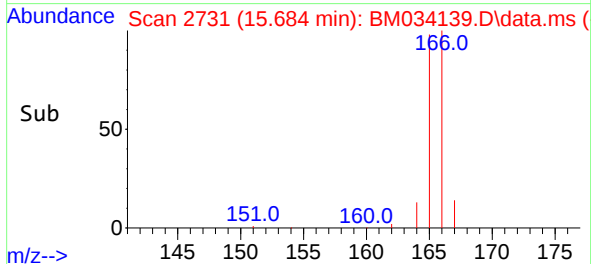
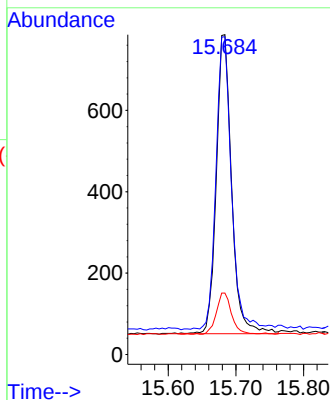
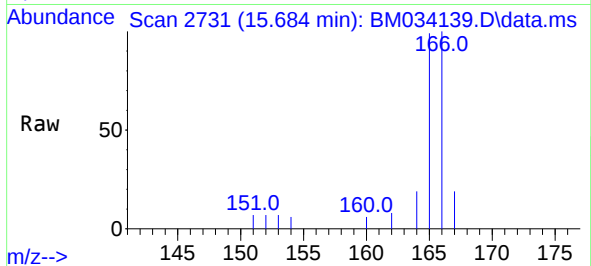
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2022-02

Tgt Ion:166 Resp: 1154

Ion	Ratio	Lower	Upper
166	100		
165	99.4	81.1	121.7
167	19.2	14.9	22.3

Manual Integrations
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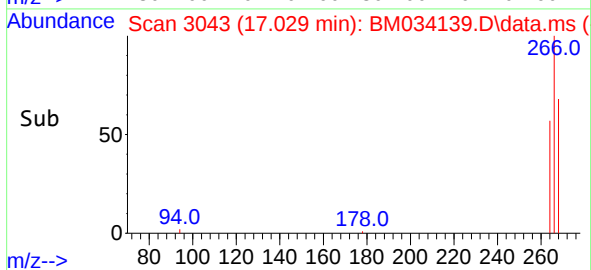
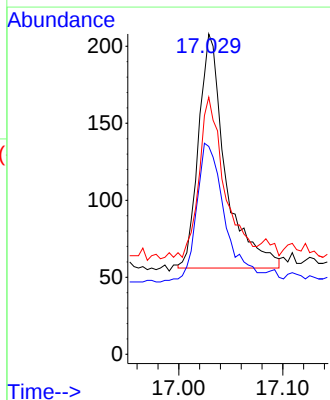
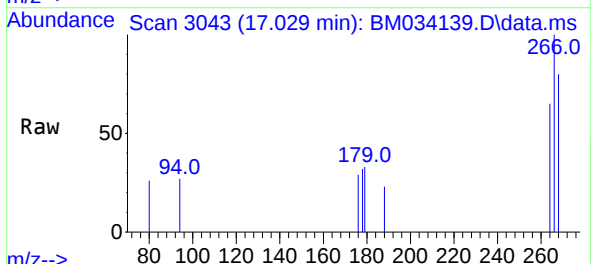
Reviewed By :Jagrut Upadhyay 03/07/2022
Supervised By :mohammad ahmed 03/09/2022

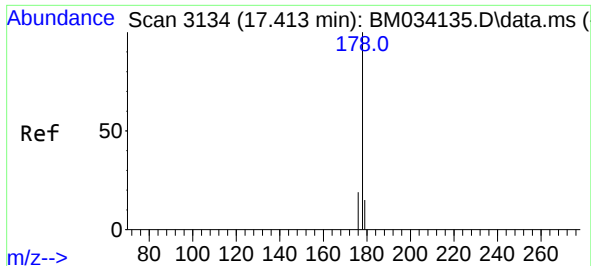


#14
Pentachlorophenol
Concen: 0.083 ng/ul m
RT: 17.029 min Scan# 3043
Delta R.T. 0.004 min
Lab File: BM034139.D
Acq: 07 Mar 2022 13:06

Tgt Ion:266 Resp: 273

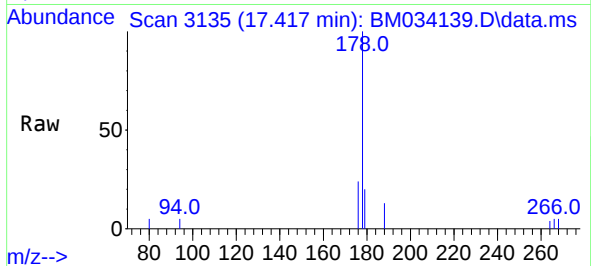
Ion	Ratio	Lower	Upper
266	100		
264	64.8	51.4	77.0
268	63.7	53.1	79.7





#15
Phenanthrene
Concen: 0.062 ng/u1
RT: 17.417 min Scan# 3134
Delta R.T. 0.004 min
Lab File: BM034139.D
Acq: 07 Mar 2022 13:06

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2022-02

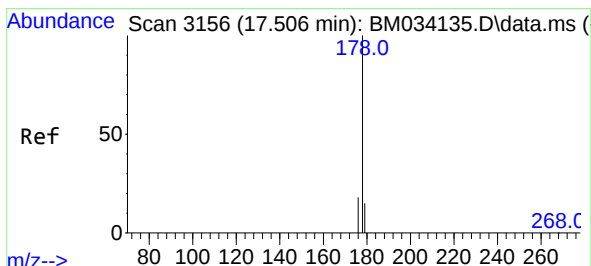
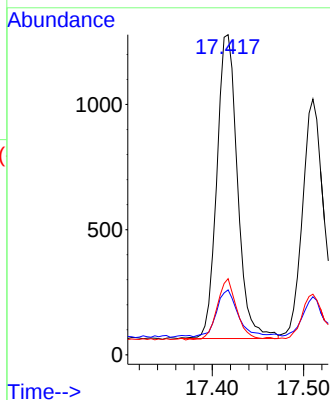
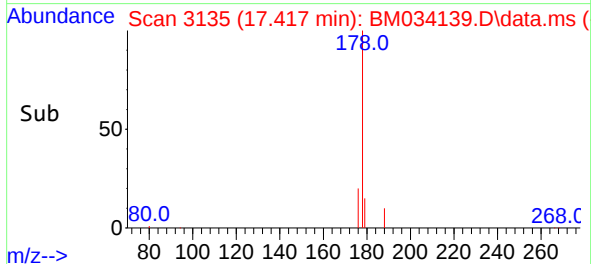


Tgt Ion:178 Resp: 1900

Ion	Ratio	Lower	Upper
178	100		
179	20.3	15.0	22.6
176	23.8	17.9	26.9

Manual Integrations
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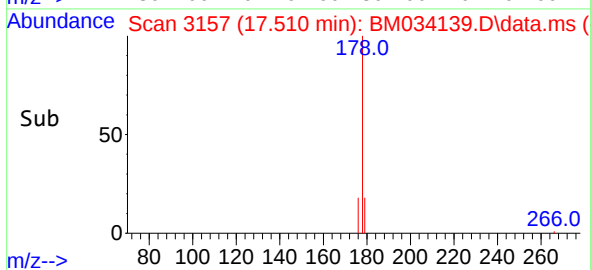
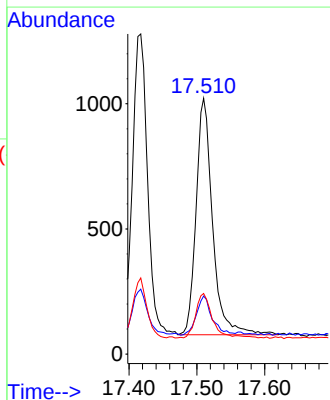
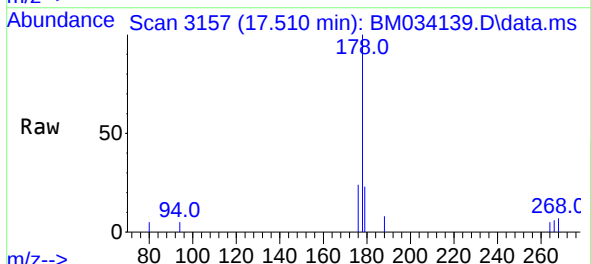
Reviewed By :Jagrut Upadhyay 03/07/2022
Supervised By :mohammad ahmed 03/09/2022

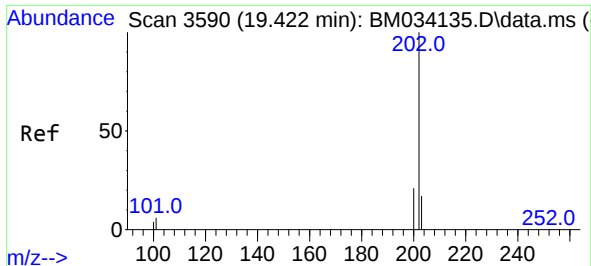


#16
Anthracene
Concen: 0.057 ng/u1
RT: 17.510 min Scan# 3157
Delta R.T. 0.004 min
Lab File: BM034139.D
Acq: 07 Mar 2022 13:06

Tgt Ion:178 Resp: 1603

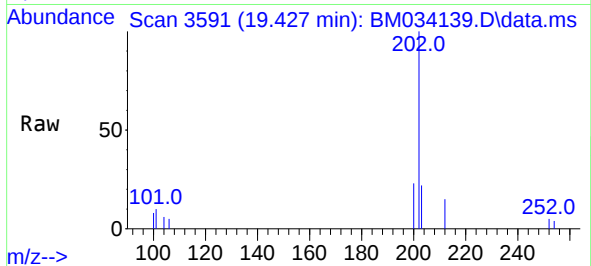
Ion	Ratio	Lower	Upper
178	100		
179	22.7	16.5	24.7
176	23.7	18.3	27.5





#19
Fluoranthene
Concen: 0.067 ng/u1
RT: 19.427 min Scan# 3590
Delta R.T. -0.000 min
Lab File: BM034139.D
Acq: 07 Mar 2022 13:06

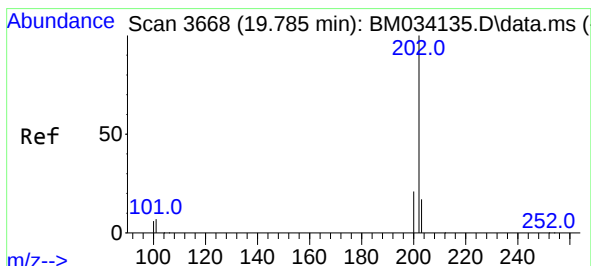
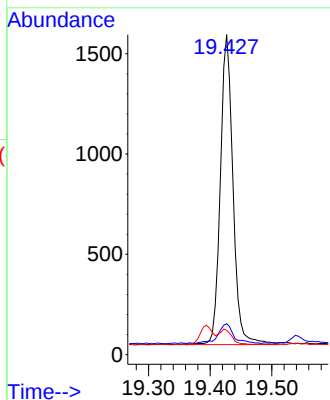
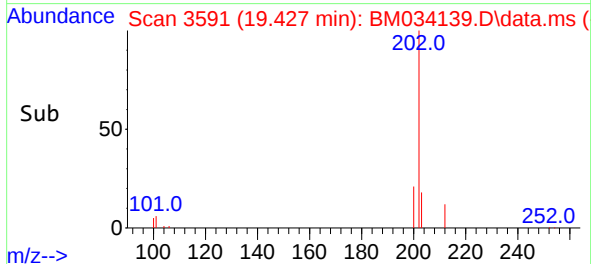
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2022-02



Tgt Ion:202 Resp: 2218
Ion Ratio Lower Upper
202 100
101 9.7 9.2 13.8
100 7.6 7.2 10.8

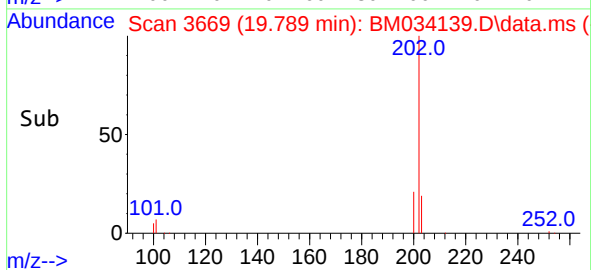
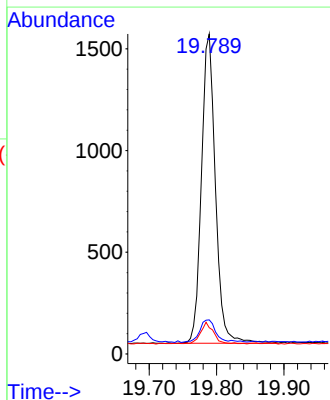
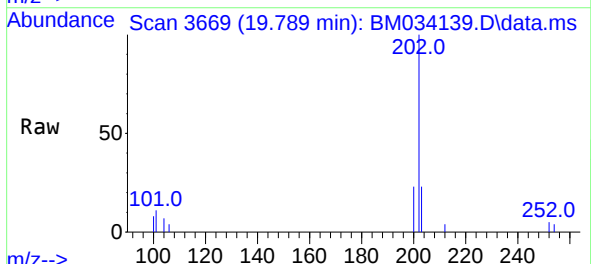
Manual Integrations
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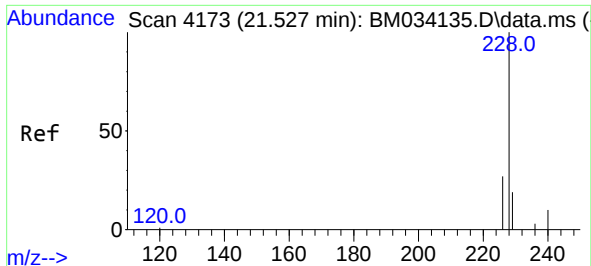
Reviewed By :Jagrut Upadhyay 03/07/2022
Supervised By :mohammad ahmed 03/09/2022



#20
Pyrene
Concen: 0.066 ng/u1
RT: 19.789 min Scan# 3669
Delta R.T. 0.005 min
Lab File: BM034139.D
Acq: 07 Mar 2022 13:06

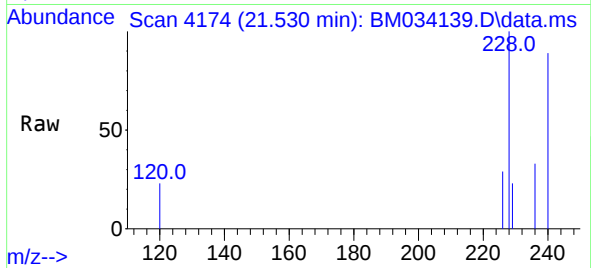
Tgt Ion:202 Resp: 2185
Ion Ratio Lower Upper
202 100
101 10.7 9.3 13.9
100 8.2 7.8 11.6





#21
Benzo(a)anthracene
Concen: 0.062 ng/u1
RT: 21.530 min Scan# 4173
Delta R.T. -0.000 min
Lab File: BM034139.D
Acq: 07 Mar 2022 13:06

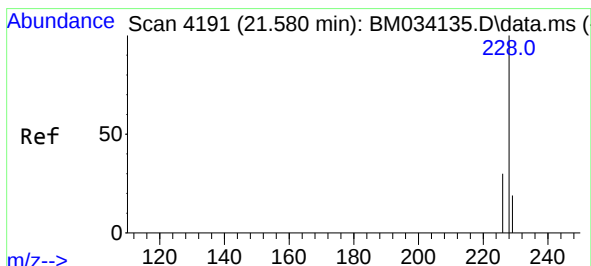
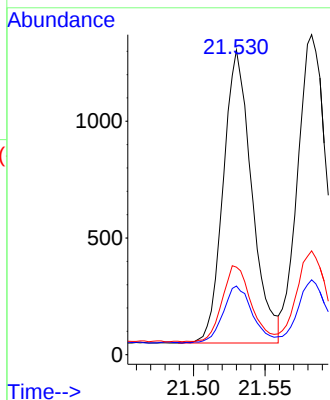
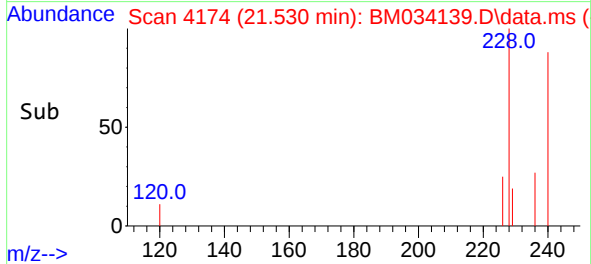
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2022-02



Tgt Ion:228 Resp: 174
Ion Ratio Lower Upper
228 100
229 22.5 17.3 25.9
226 28.7 23.2 34.8

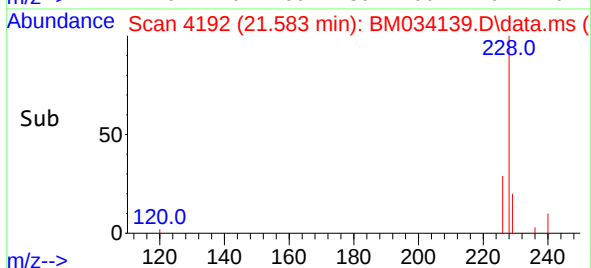
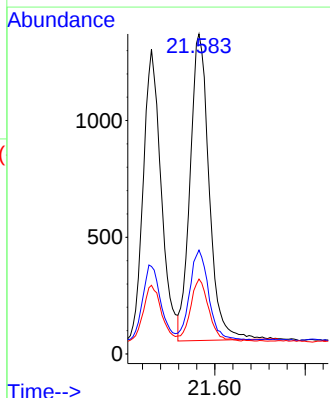
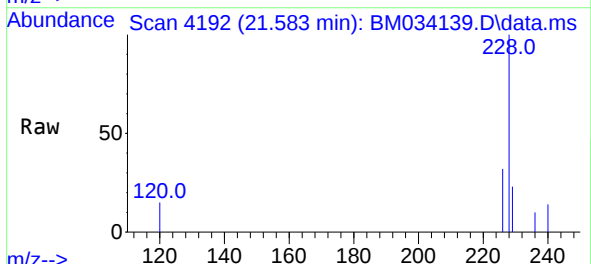
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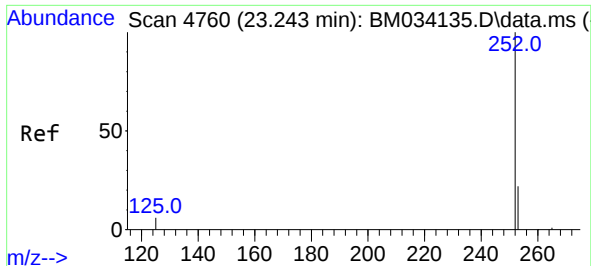
Reviewed By :Jagrut Upadhyay 03/07/2022
Supervised By :mohammad ahmed 03/09/2022



#22
Chrysene
Concen: 0.065 ng/u1
RT: 21.583 min Scan# 4192
Delta R.T. -0.000 min
Lab File: BM034139.D
Acq: 07 Mar 2022 13:06

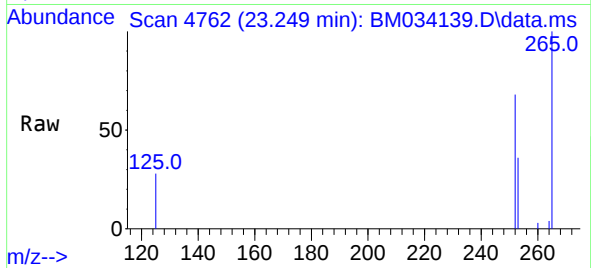
Tgt Ion:228 Resp: 1919
Ion Ratio Lower Upper
228 100
226 32.5 25.8 38.8
229 23.4 16.7 25.1





#24
Benzo(b)fluoranthene
Concen: 0.061 ng/ul m
RT: 23.249 min Scan# 4762
Delta R.T. 0.006 min
Lab File: BM034139.D
Acq: 07 Mar 2022 13:06

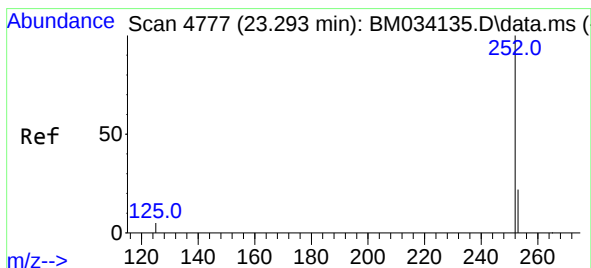
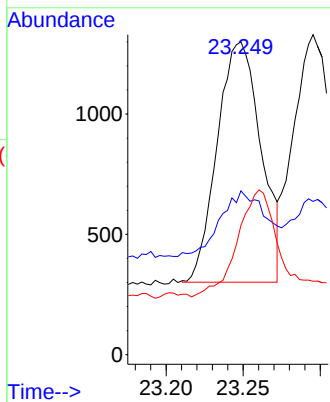
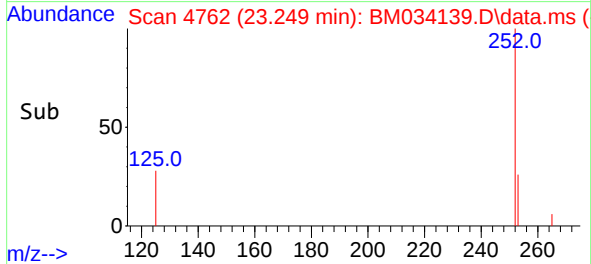
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2022-02



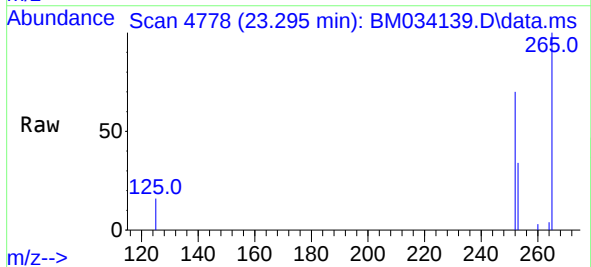
Tgt Ion:252 Resp: 1975
Ion Ratio Lower Upper
252 100
253 52.4 0.0 64.2
125 41.3 0.0 28.8

Manual Integrations
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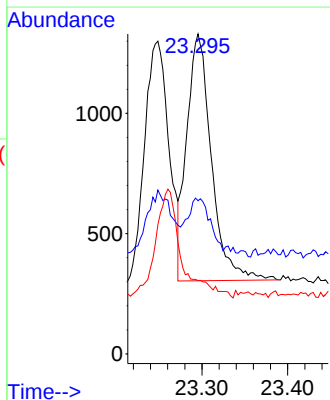
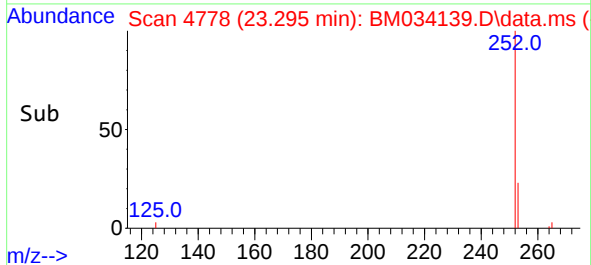
Reviewed By :Jagrut Upadhyay 03/07/2022
Supervised By :mohammad ahmed 03/09/2022

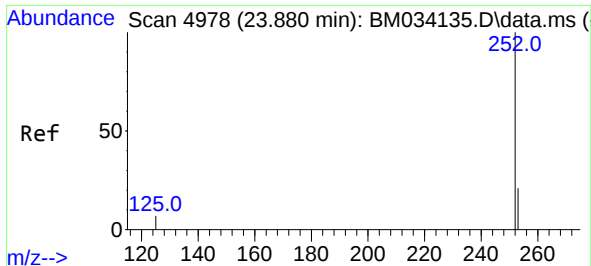


#25
Benzo(k)fluoranthene
Concen: 0.063 ng/ul
RT: 23.295 min Scan# 4778
Delta R.T. 0.003 min
Lab File: BM034139.D
Acq: 07 Mar 2022 13:06



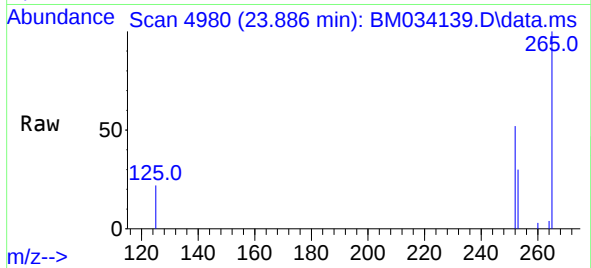
Tgt Ion:252 Resp: 2051
Ion Ratio Lower Upper
252 100
253 47.9 26.8 40.2#
125 22.9 12.0 18.0#





#26
Benzo(a)pyrene
Concen: 0.066 ng/u1
RT: 23.886 min Scan# 4980
Delta R.T. 0.003 min
Lab File: BM034139.D
Acq: 07 Mar 2022 13:06

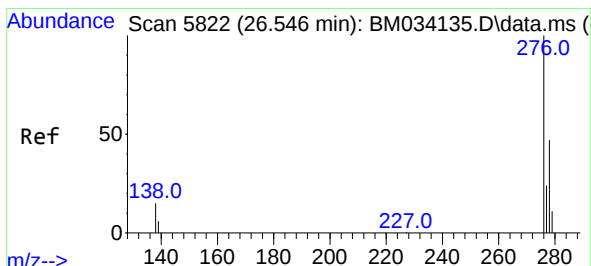
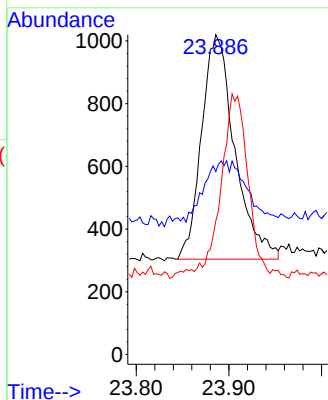
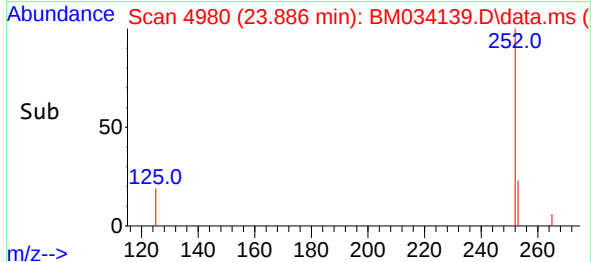
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2022-02



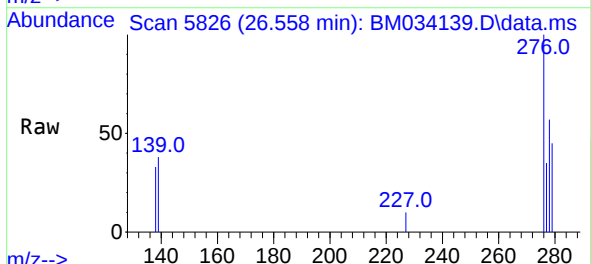
Tgt Ion:252 Resp: 1785
Ion Ratio Lower Upper
252 100
253 57.3 32.0 48.0
125 41.8 14.5 21.7

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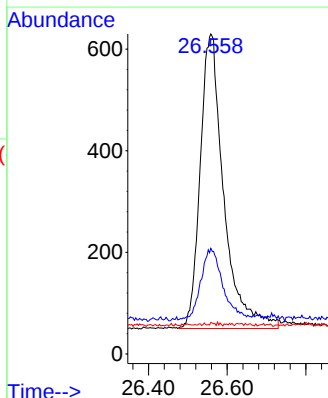
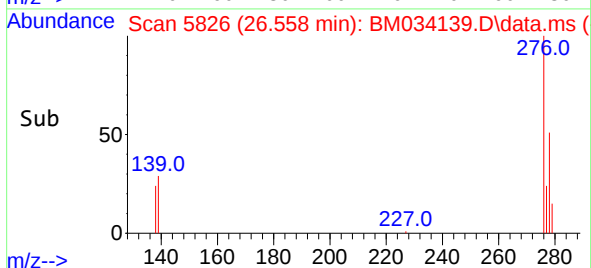
Reviewed By :Jagrut Upadhyay 03/07/2022
Supervised By :mohammad ahmed 03/09/2022

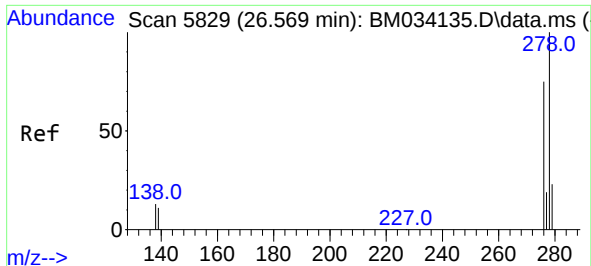


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.064 ng/u1
RT: 26.558 min Scan# 5826
Delta R.T. 0.010 min
Lab File: BM034139.D
Acq: 07 Mar 2022 13:06



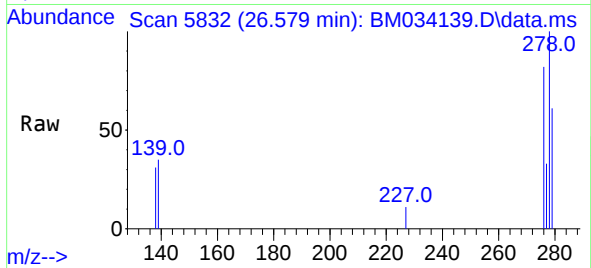
Tgt Ion:276 Resp: 2409
Ion Ratio Lower Upper
276 100
138 22.7 15.8 23.6
227 0.2 0.0 0.0





#28
Dibenzo(a,h)anthracene
Concen: 0.061 ng/ul
RT: 26.579 min Scan# 5829
Delta R.T. 0.010 min
Lab File: BM034139.D
Acq: 07 Mar 2022 13:06

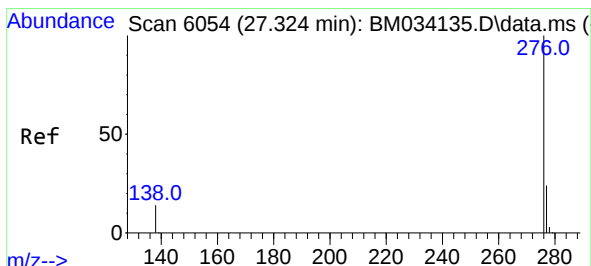
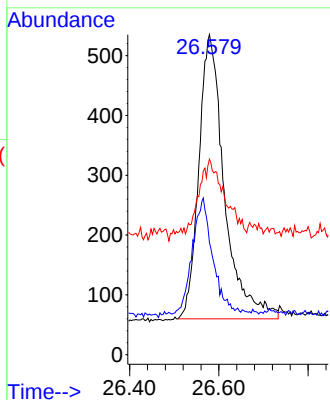
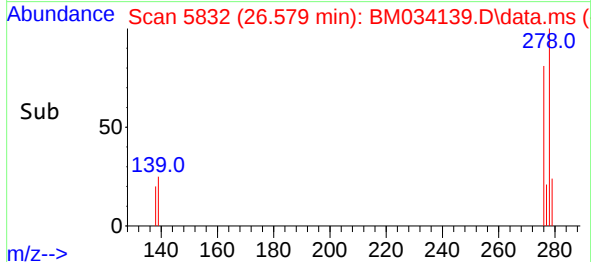
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2022-02



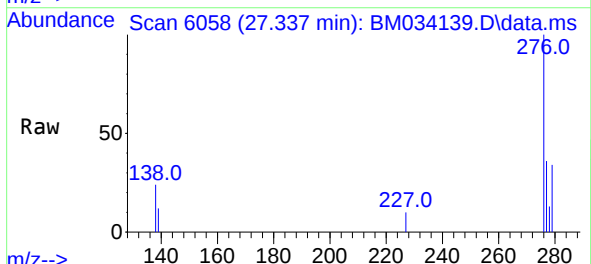
Tgt Ion: 278 Resp: 1890
Ion Ratio Lower Upper
278 100
139 35.1 18.0 27.0
279 61.1 28.6 42.8

Manual Integrations
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Reviewed By :Jagrut Upadhyay 03/07/2022
Supervised By :mohammad ahmed 03/09/2022



#29
Benzo(g,h,i)perylene
Concen: 0.062 ng/ul
RT: 27.337 min Scan# 6058
Delta R.T. 0.003 min
Lab File: BM034139.D
Acq: 07 Mar 2022 13:06



Tgt Ion: 276 Resp: 2073
Ion Ratio Lower Upper
276 100
138 24.2 17.4 26.0
277 36.3 22.6 33.8

