

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071420\
 Data File : BN011164.D
 Acq On : 14 Jul 2020 18:04
 Operator : CG/JU
 Sample : L3216-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Manual Integrations
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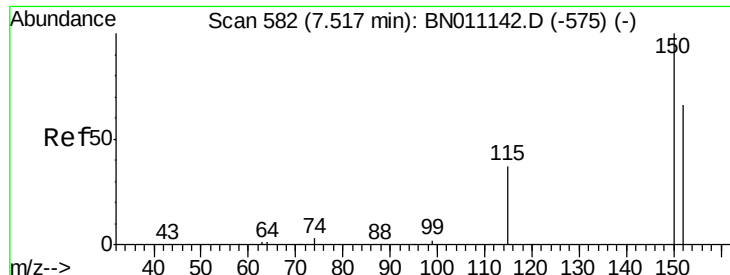
Quant Time: Jul 14 19:12:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN071120.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 14 15:08:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	1050	0.40	ng	0.00
7) Naphthalene-d8	10.25	136	3305	0.40	ng	0.00
13) Acenaphthene-d10	14.13	164	2139	0.40	ng	0.00
19) Phenanthrene-d10	16.88	188	5227	0.40	ng	0.00
29) Chrysene-d12	21.10	240	5198	0.40	ng	0.00
36) Perylene-d12	23.23	264	5135	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.15	112	978	0.38	ng	0.00
5) Phenol-d6	6.70	99	1196	0.41	ng	0.00
8) Nitrobenzene-d5	8.65	82	970	0.33	ng	0.02
11) 2-Methylnaphthalene-d10	11.85	152	2103	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.64	330	384	0.40	ng	0.00
15) 2-Fluorobiphenyl	12.75	172	3091	0.31	ng	0.00
27) Fluoranthene-d10	18.92	212	6193	0.38	ng	0.00
31) Terphenyl-d14	19.54	244	5098	0.38	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.20	88	116m	0.077	ng	
3) n-Nitrosodimethylamine	3.56	42	66	0.087	ng	# 97
6) bis(2-Chloroethyl)ether	6.95	93	244	0.091	ng	99
9) Naphthalene	10.30	128	889	0.090	ng	# 78
10) Hexachlorobutadiene	10.59	225	202	0.083	ng	# 100
12) 2-Methylnaphthalene	11.93	142	619	0.100	ng	# 95
16) Acenaphthylene	13.84	152	914	0.084	ng	99
17) Acenaphthene	14.19	154	604	0.083	ng	95
18) Fluorene	15.19	166	862	0.093	ng	99
20) 4,6-Dinitro-2-methylphenol	15.33	198	58	0.193	ng	# 35
21) 4-Bromophenyl-phenylether	16.09	248	264	0.074	ng	# 91
22) Hexachlorobenzene	16.20	284	313	0.076	ng	92
23) Atrazine	16.38	200	250	0.100	ng	# 81
24) Pentachlorophenol	16.55	266	221m	0.180	ng	
25) Phenanthrene	16.92	178	1446	0.086	ng	100
26) Anthracene	17.03	178	1149	0.082	ng	98
28) Fluoranthene	18.95	202	1818	0.090	ng	99
30) Pyrene	19.32	202	1809	0.091	ng	99
32) Benzo(a)anthracene	21.08	228	1608	0.095	ng	94
33) Chrysene	21.13	228	1878	0.091	ng	95
34) Bis(2-ethylhexyl)phthalate	21.04	149	1000	0.144	ng	99
35) Indeno(1,2,3-cd)pyrene	25.33	276	1919	0.046	ng	# 90
37) Benzo(b)fluoranthene	22.60	252	1678	0.081	ng	# 65
38) Benzo(k)fluoranthene	22.65	252	2026	0.087	ng	# 64
39) Benzo(a)pyrene	23.14	252	1658	0.089	ng	# 40
40) Dibenzo(a,h)anthracene	25.35	278	1434	0.073	ng	# 56
41) Benzo(g,h,i)perylene	25.95	276	1654	0.077	ng	# 82

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



#1

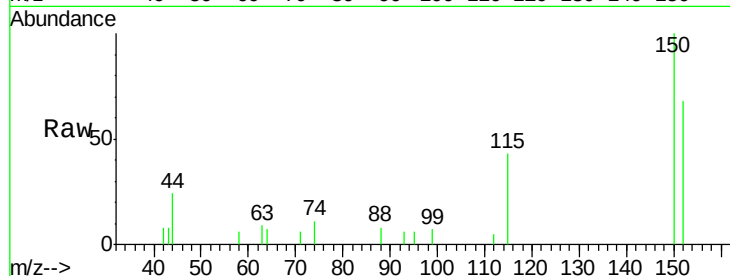
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.50 min Scan# 561
Delta R.T. -0.00 min
Lab File: BN011164.D
Acq: 14 Jul 2020 18:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.6	119.4	179.0
115	63.5	48.3	72.5

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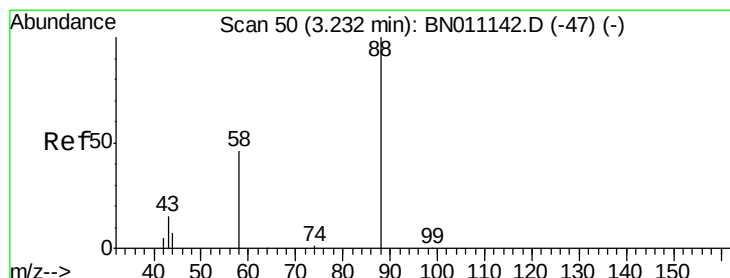
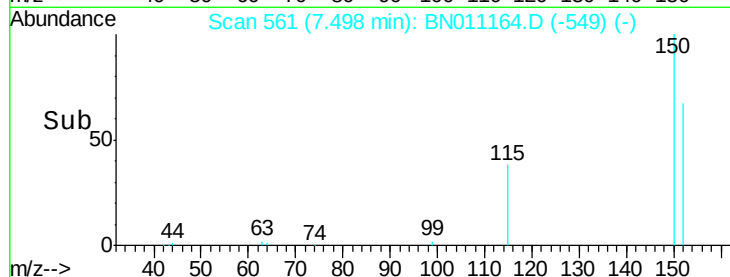
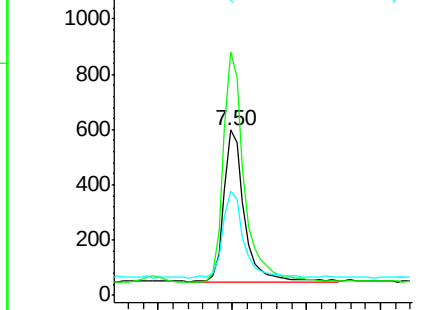


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

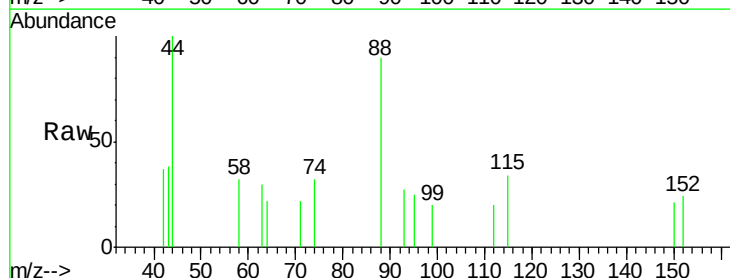
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 0.077 ng m
RT: 3.20 min Scan# 27
Delta R.T. -0.04 min
Lab File: BN011164.D
Acq: 14 Jul 2020 18:04

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	36.5	54.7#
43	0.0	14.3	21.5#

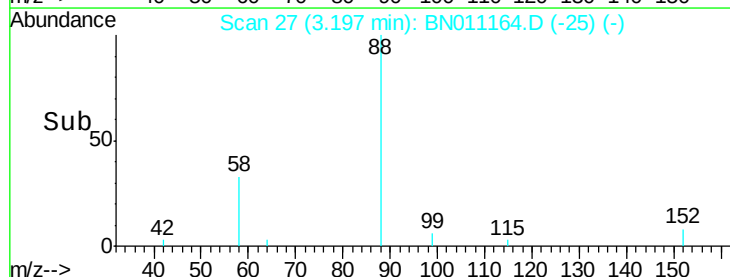
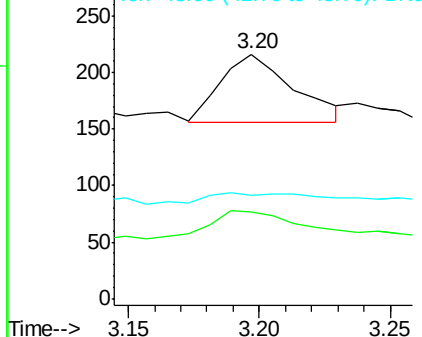


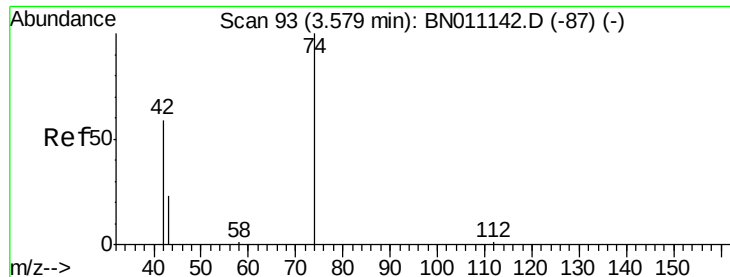
Abundance

Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

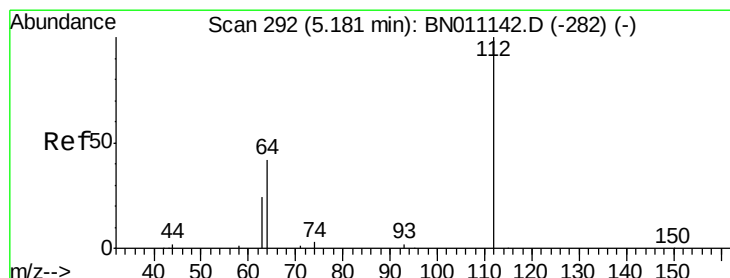
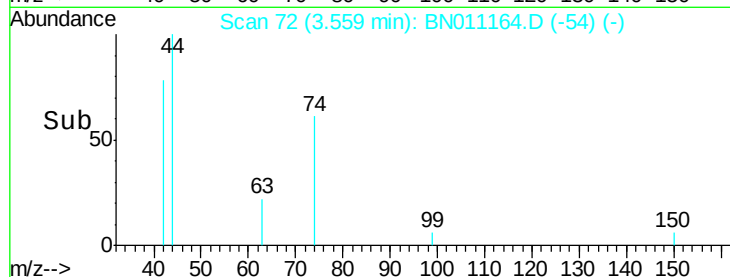
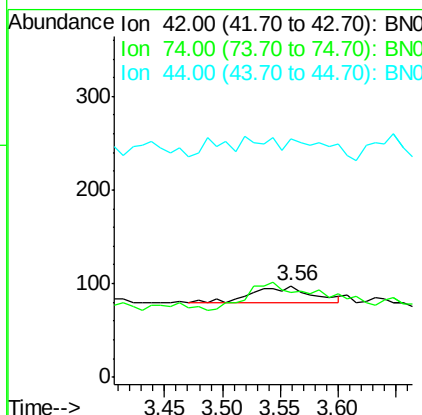
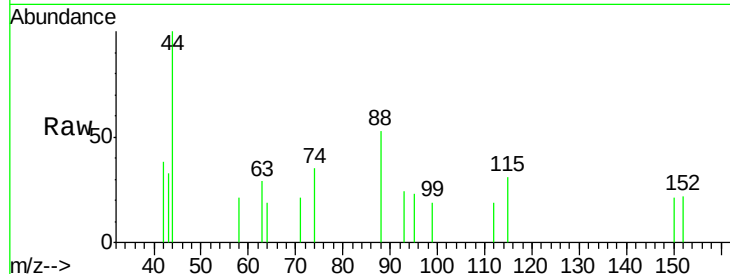
n-Nitrosodimethylamine
 Concen: 0.087 ng
 RT: 3.56 min Scan# 72
 Delta R.T. 0.05 min
 Lab File: BN011164.D
 Acq: 14 Jul 2020 18:04

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
42	100		
74	178.8	140.9	211.3
44	0.0	7.6	11.4#

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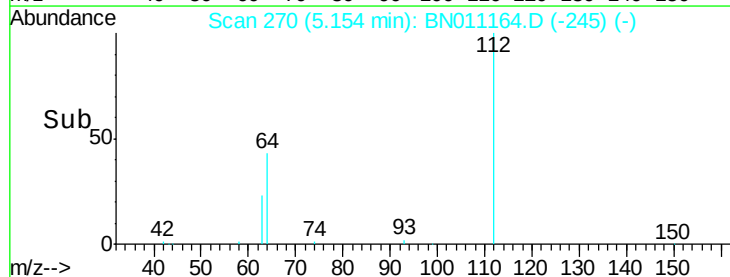
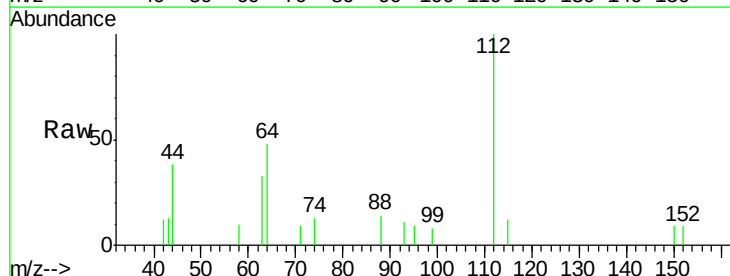
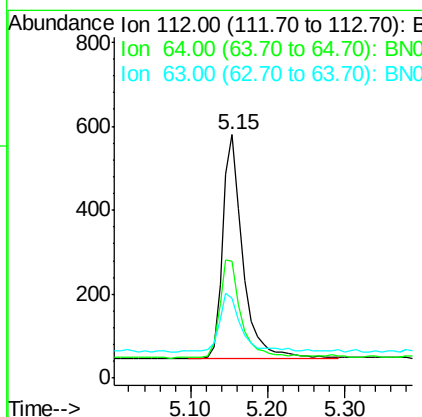
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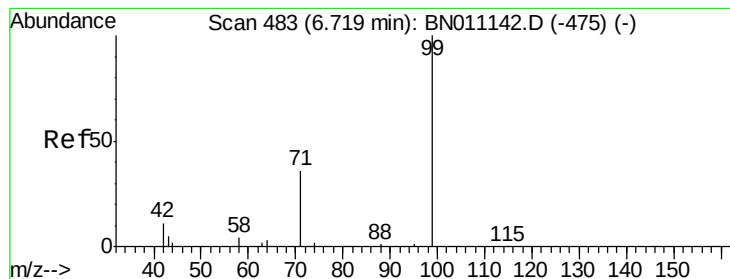


#4

2-Fluorophenol
 Concen: 0.378 ng
 RT: 5.15 min Scan# 270
 Delta R.T. 0.00 min
 Lab File: BN011164.D
 Acq: 14 Jul 2020 18:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.3	36.7	55.1
63	30.1	20.4	30.6





#5

Phenol-d6

Concen: 0.409 ng

RT: 6.70 min Scan# 462

Delta R.T. 0.00 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

Instrument :

BNA_N

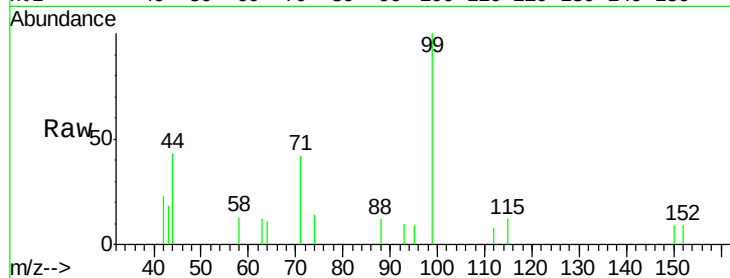
ClientSampleId :

MDL-SOIL-03-QT3-2020

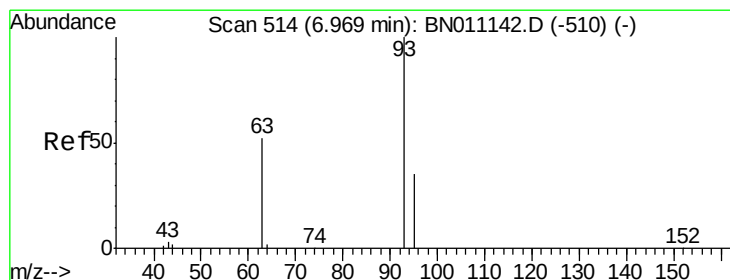
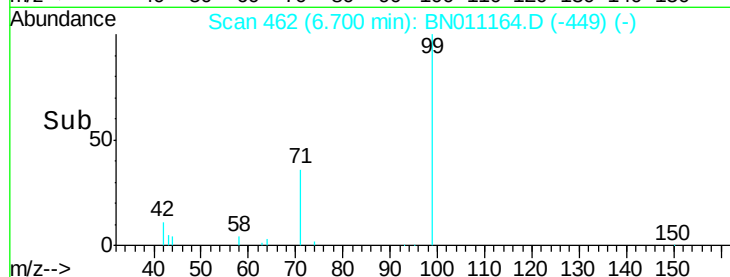
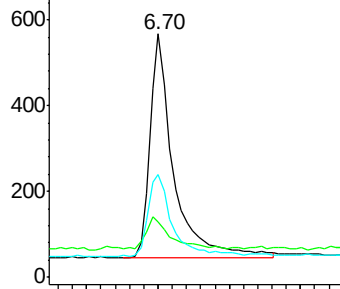
Tot Ion:	99	Resp:	1196
Ion	Ratio	Lower	Upper
99	100		
42	14.6	10.8	16.2
71	38.0	31.3	46.9

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Abundance Ion 99.00 (98.70 to 99.70): BN011164.D (-475) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.091 ng

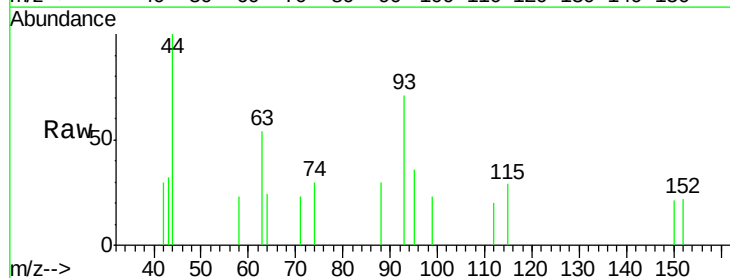
RT: 6.95 min Scan# 493

Delta R.T. 0.00 min

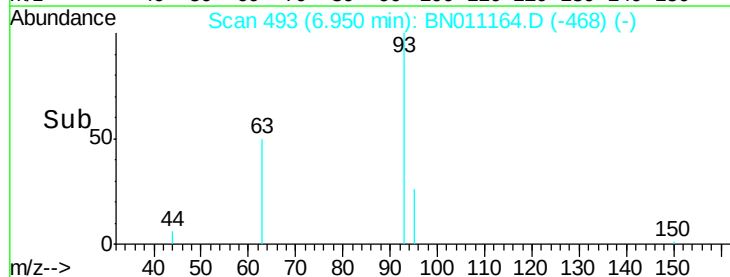
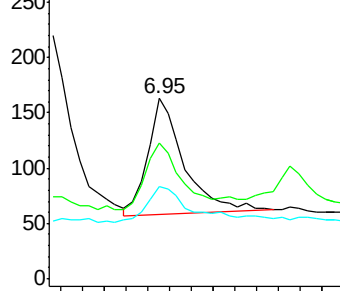
Lab File: BN011164.D

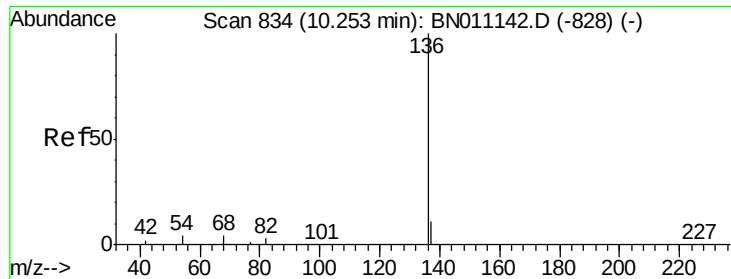
Acq: 14 Jul 2020 18:04

Tgt Ion:	93	Resp:	244
Ion	Ratio	Lower	Upper
93	100		
63	58.6	47.4	71.0
95	35.7	28.1	42.1



Abundance Ion 93.00 (92.70 to 93.70): BN011164.D (-510) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.25 min Scan# 815

Delta R.T. 0.01 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

Instrument :

BNA_N

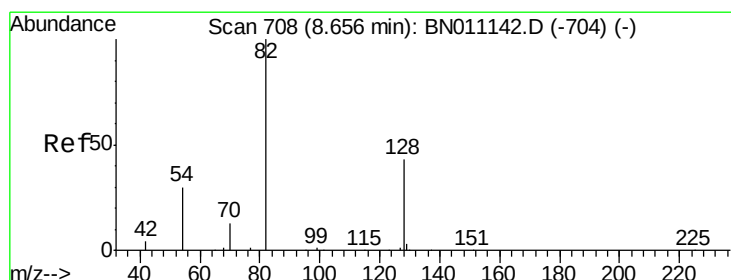
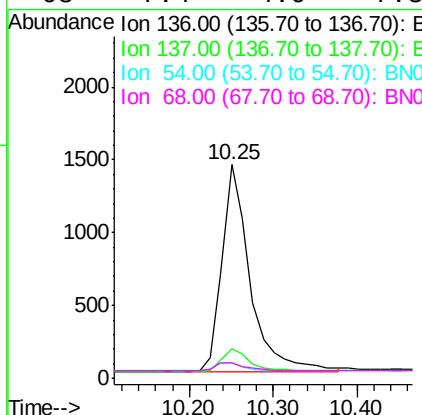
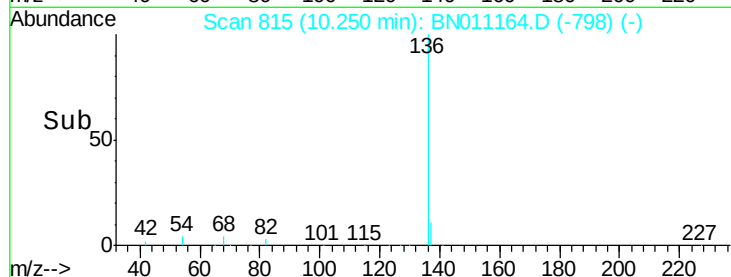
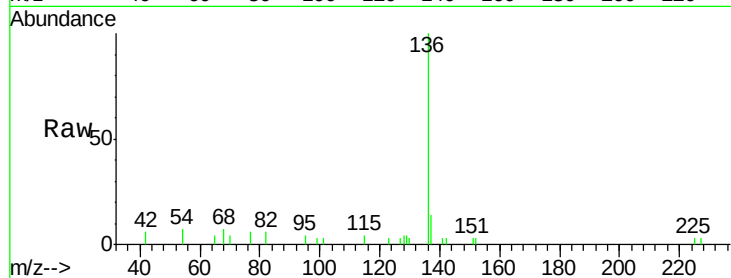
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
136	100		
137	13.6	10.3	15.5
54	7.3	4.9	7.3
68	7.4	4.9	7.3#

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#8

Nitrobenzene-d5

Concen: 0.331 ng

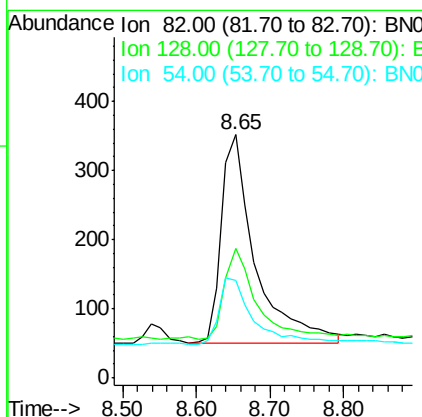
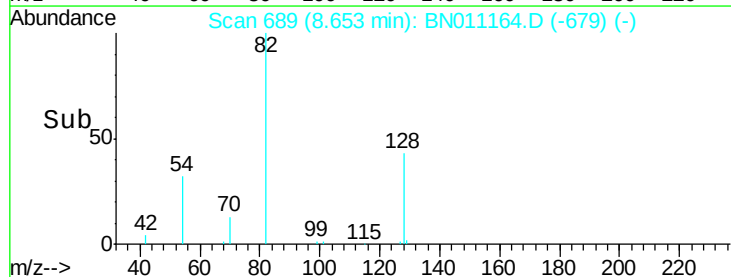
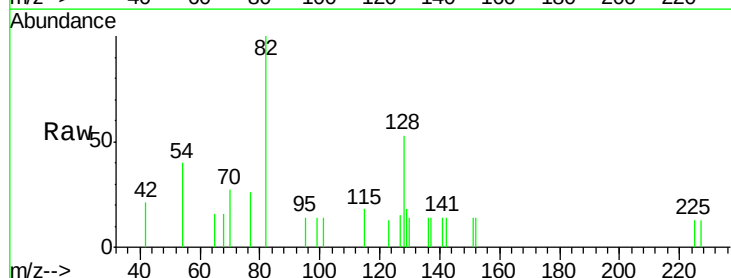
RT: 8.65 min Scan# 689

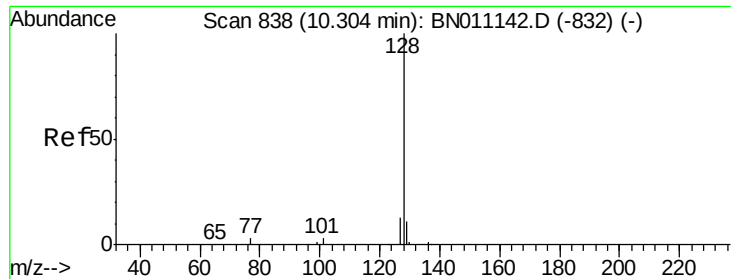
Delta R.T. 0.02 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

Tgt Ion	Ratio	Lower	Upper
82	100		
128	53.1	38.1	57.1
54	40.1	27.1	40.7





#9

Naphthalene

Concen: 0.090 ng

RT: 10.30 min Scan# 819

Delta R.T. 0.01 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

Instrument :

BNA_N

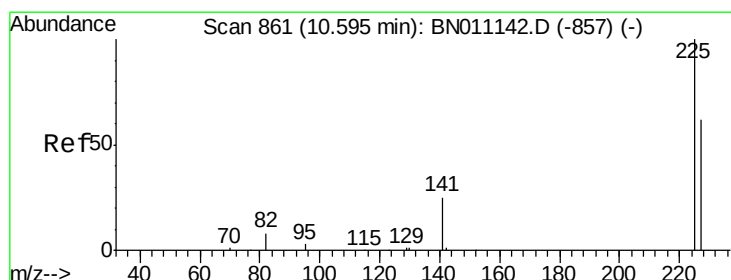
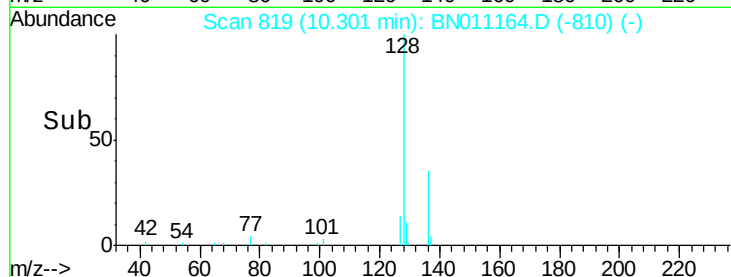
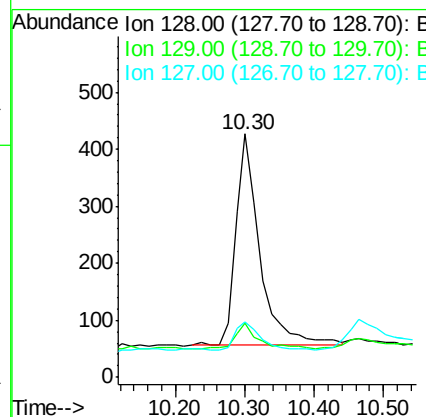
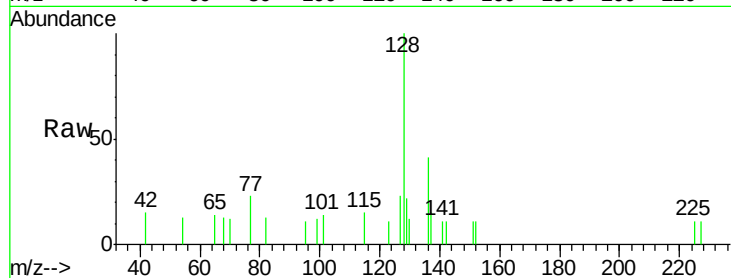
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	128	Resp:	889
Ion Ratio	Lower	Upper	
128	100		
129	22.0	9.8	14.6#
127	23.0	11.8	17.6#

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#10

Hexachlorobutadiene

Concen: 0.083 ng

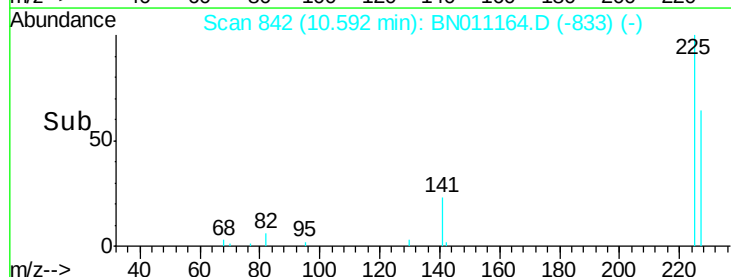
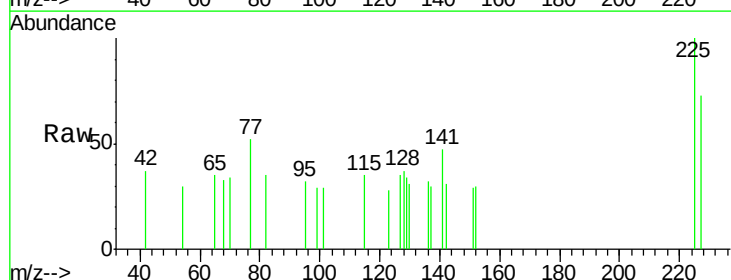
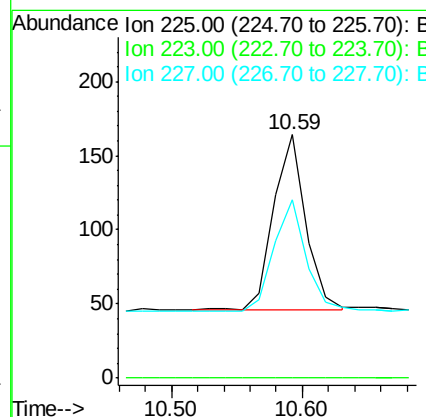
RT: 10.59 min Scan# 842

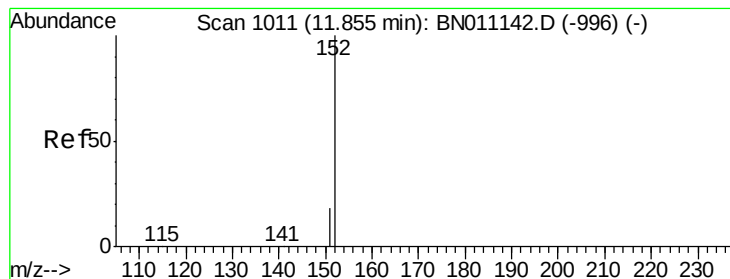
Delta R.T. 0.01 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

Tgt Ion:	225	Resp:	202
Ion Ratio	Lower	Upper	
225	100		
223	0.0	0.0	0.0
227	63.9	51.2	76.8





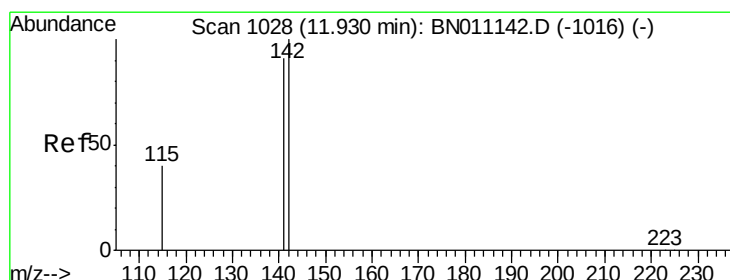
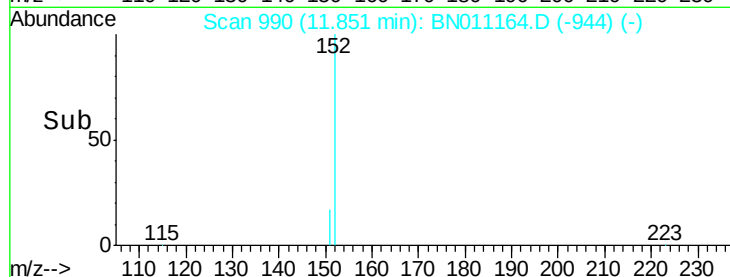
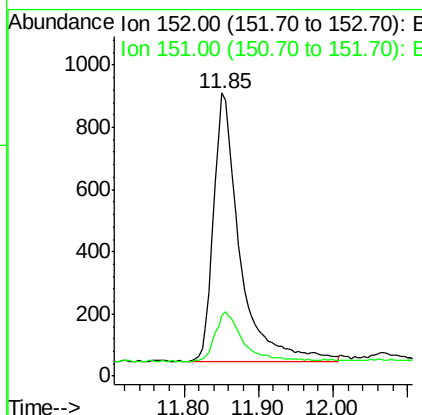
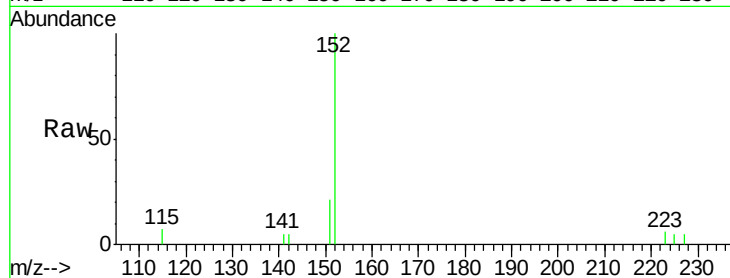
#11
2-Methylnaphthalene-d10
Concen: 0.392 ng
RT: 11.85 min Scan# 990
Delta R.T. 0.01 min
Lab File: BN011164.D
Acq: 14 Jul 2020 18:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.2	16.5	24.7

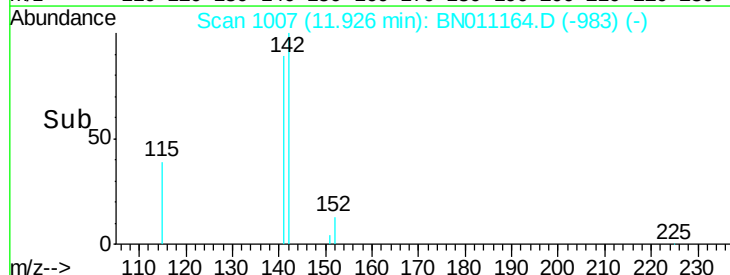
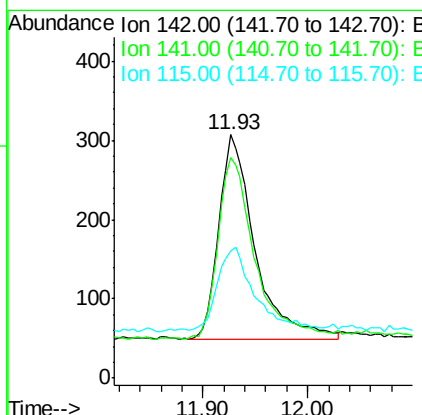
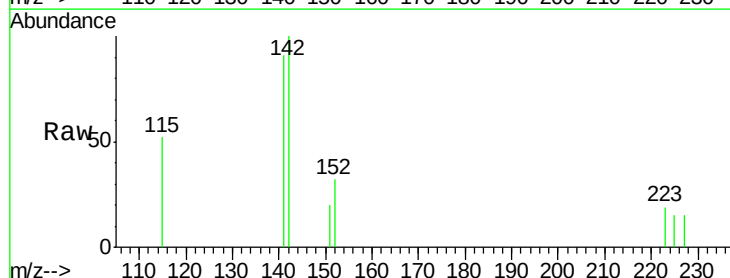
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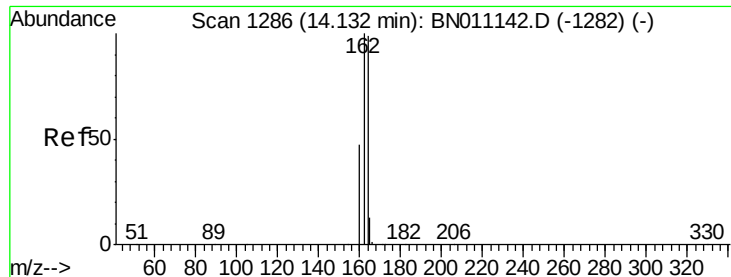
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#12
2-Methylnaphthalene
Concen: 0.100 ng
RT: 11.93 min Scan# 1007
Delta R.T. 0.01 min
Lab File: BN011164.D
Acq: 14 Jul 2020 18:04

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.9	72.7	109.1
115	52.1	33.8	50.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.13 min Scan# 1265

Delta R.T. 0.01 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

Instrument :

BNA_N

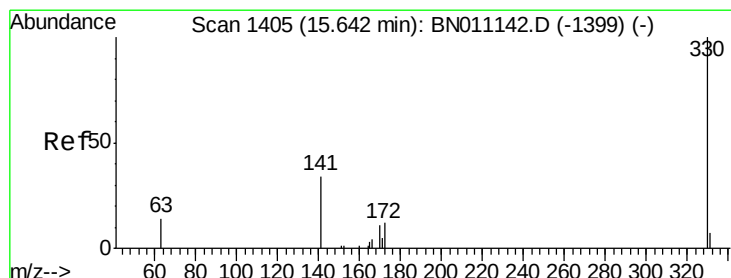
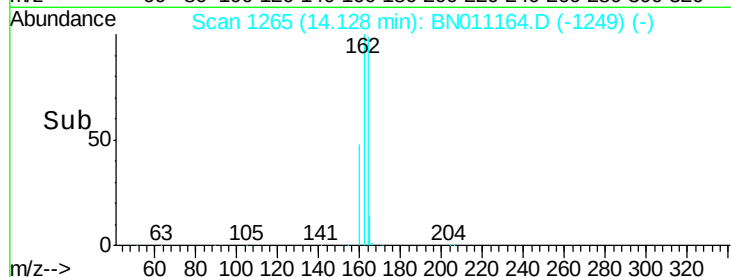
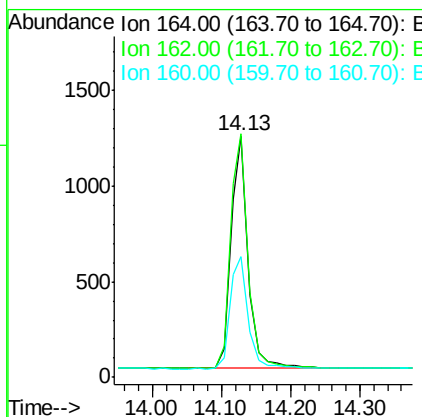
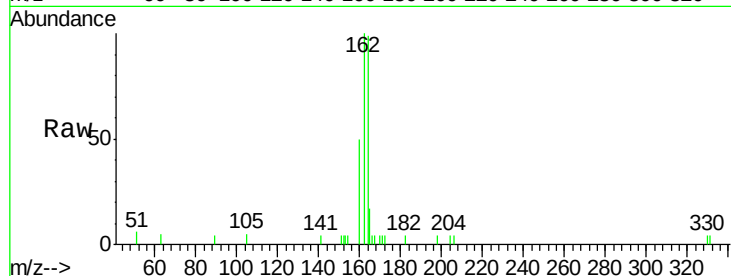
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	164	Resp:	2139
Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.0	121.4
160	50.2	39.0	58.6

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#14

2,4,6-Tribromophenol

Concen: 0.404 ng

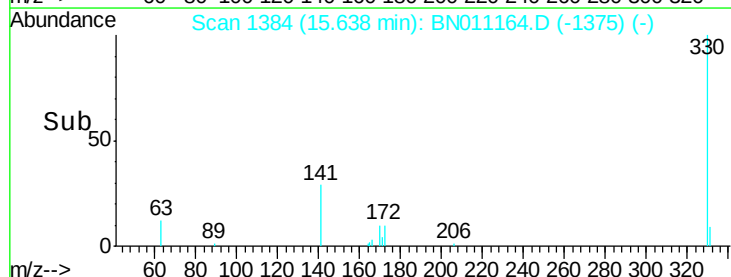
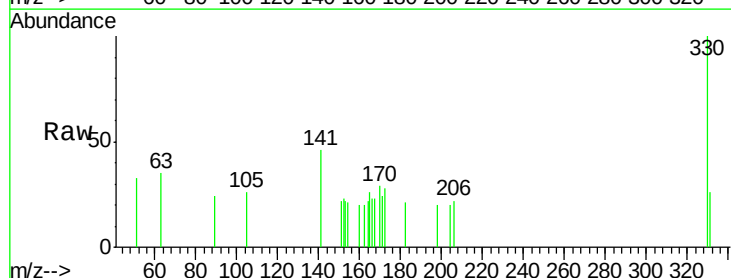
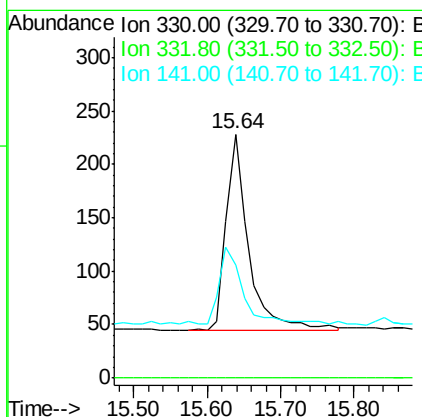
RT: 15.64 min Scan# 1384

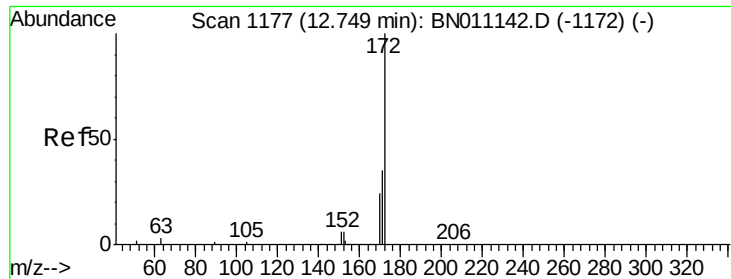
Delta R.T. 0.01 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

Tgt Ion:	330	Resp:	384
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	43.5	31.5	47.3





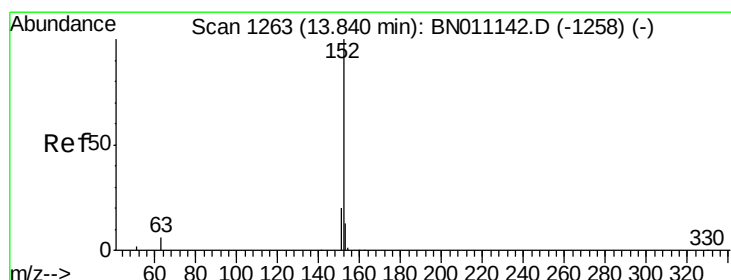
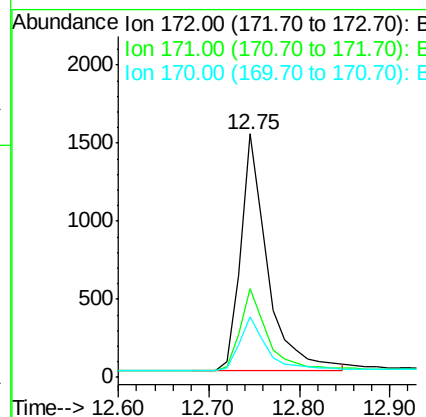
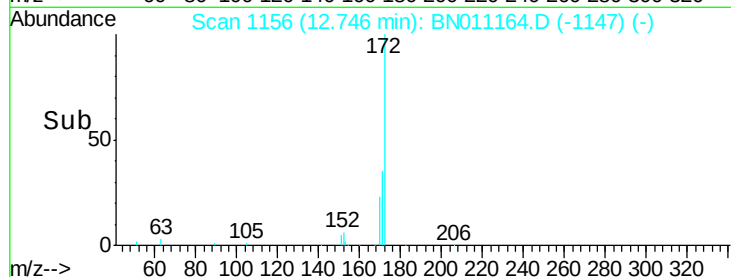
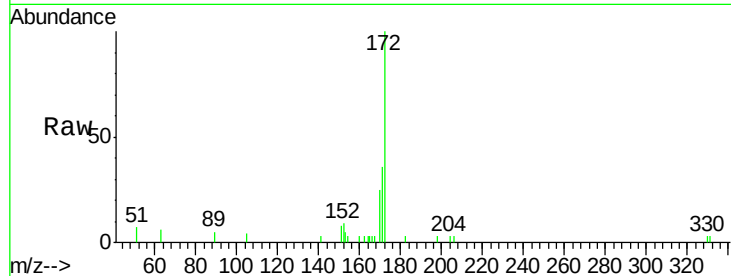
#15
2-Fluorobiphenyl
Concen: 0.308 ng
RT: 12.75 min Scan# 1156
Delta R.T. 0.01 min
Lab File: BN011164.D
Acq: 14 Jul 2020 18:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion:	172	Resp:	3091
Ion Ratio	Lower	Upper	
172	100		
171	36.5	29.0	43.6
170	25.0	20.3	30.5

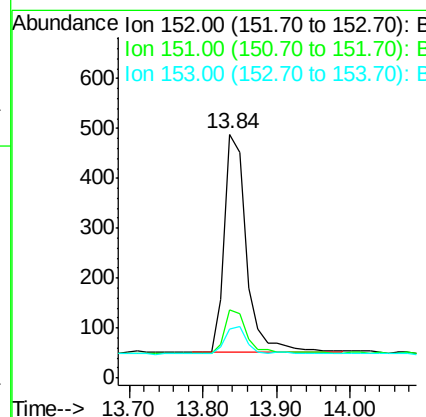
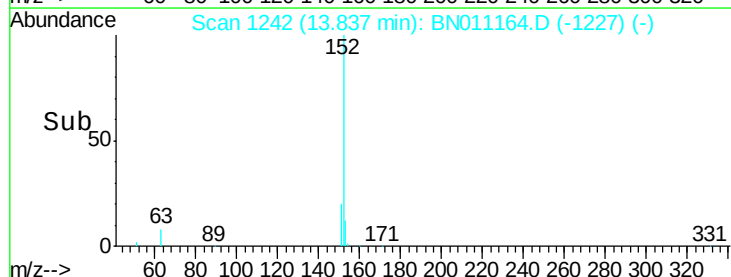
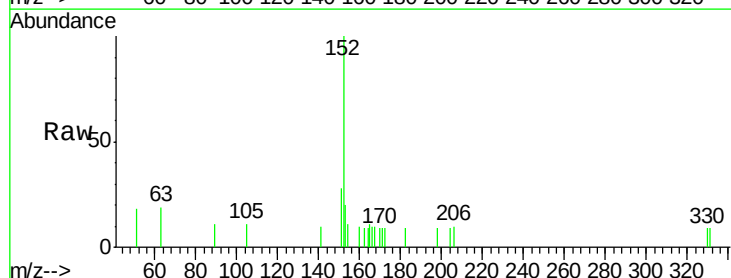
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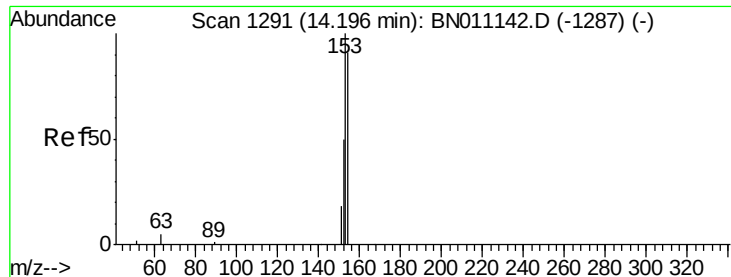
mohammad
7/15/2020 10:57:35 AM



#16
Acenaphthylene
Concen: 0.084 ng
RT: 13.84 min Scan# 1242
Delta R.T. -0.00 min
Lab File: BN011164.D
Acq: 14 Jul 2020 18:04

Tgt Ion:	152	Resp:	914
Ion Ratio	Lower	Upper	
152	100		
151	20.0	15.7	23.5
153	12.9	10.6	15.8





#17

Acenaphthene

Concen: 0.083 ng

RT: 14.19 min Scan# 1270

Delta R.T. 0.01 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

Instrument :

BNA_N

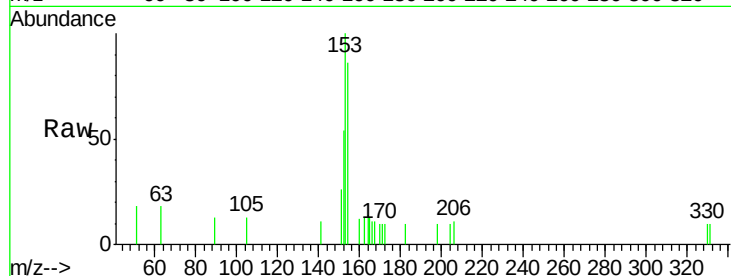
ClientSampleId :

MDL-SOIL-03-QT3-2020

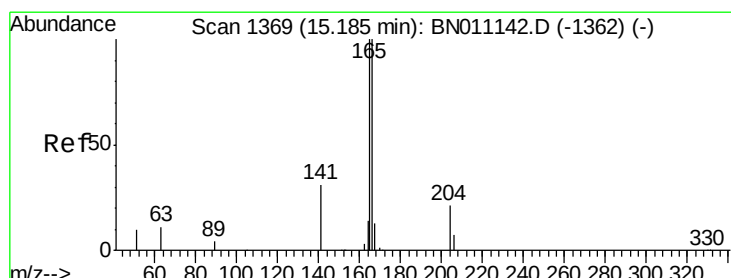
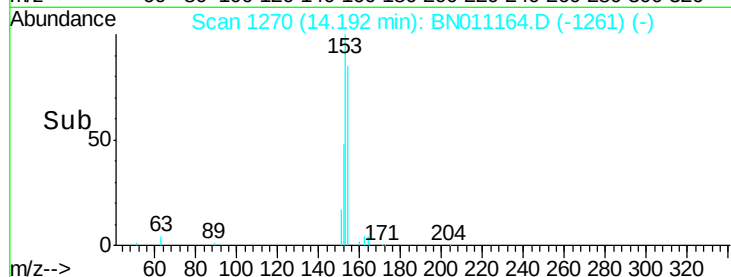
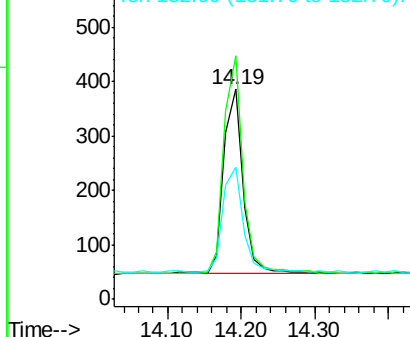
Tot Ion:	154	Resp:	604
Ion Ratio	Lower	Upper	
154	100		
153	118.9	91.3	136.9
152	62.3	46.6	69.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.093 ng

RT: 15.19 min Scan# 1349

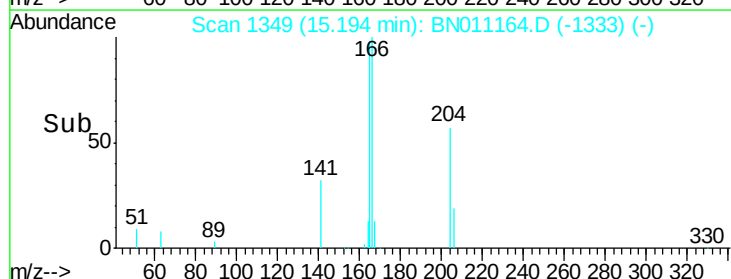
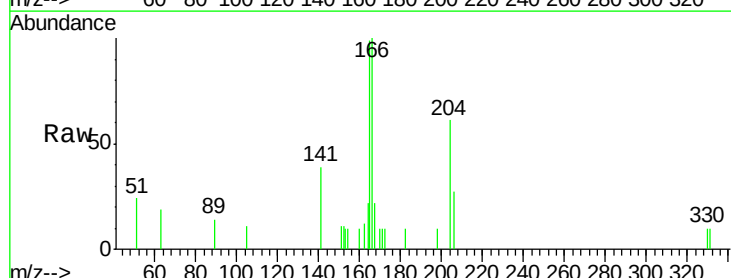
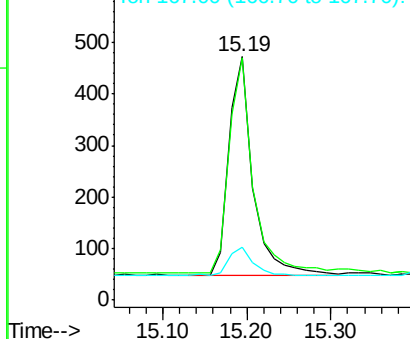
Delta R.T. 0.01 min

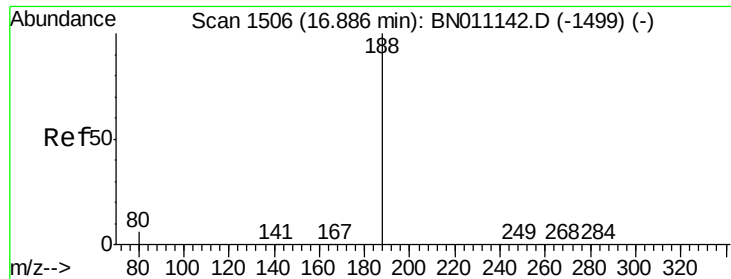
Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

Tgt Ion:	166	Resp:	862
Ion Ratio	Lower	Upper	
166	100		
165	98.6	79.1	118.7
167	14.7	10.5	15.7

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





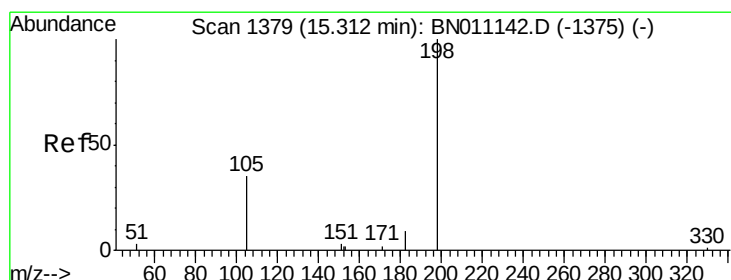
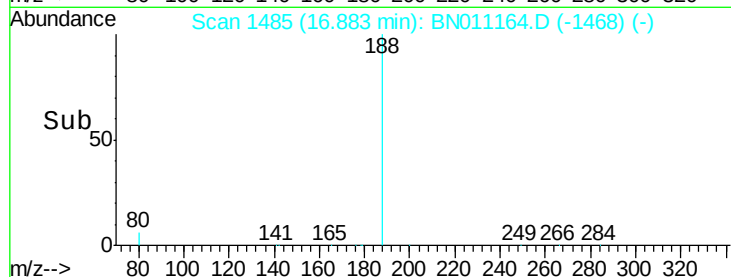
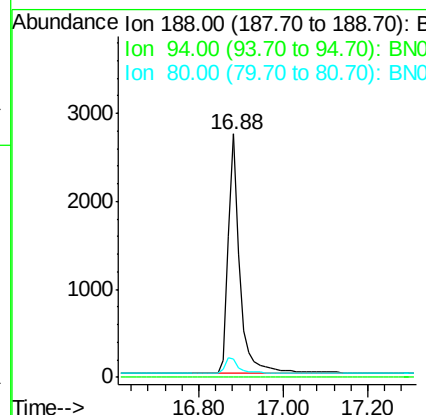
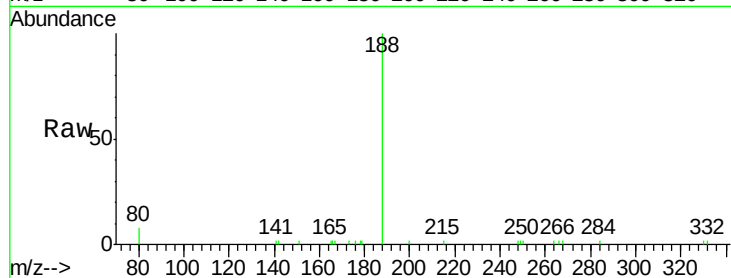
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.88 min Scan# 1485
Delta R.T. 0.01 min
Lab File: BN011164.D
Acq: 14 Jul 2020 18:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion:	188	Resp:	5227
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	7.7	6.3	9.5

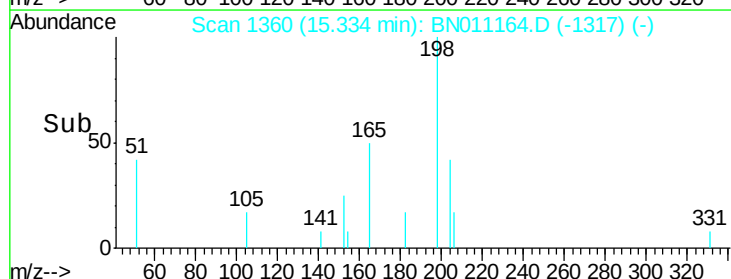
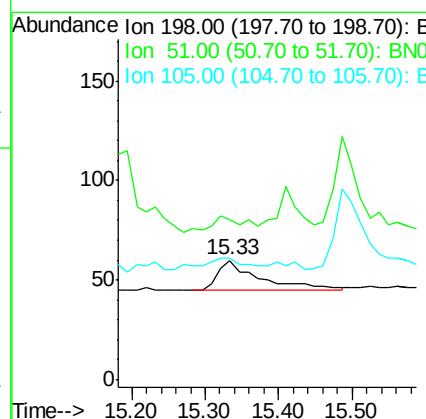
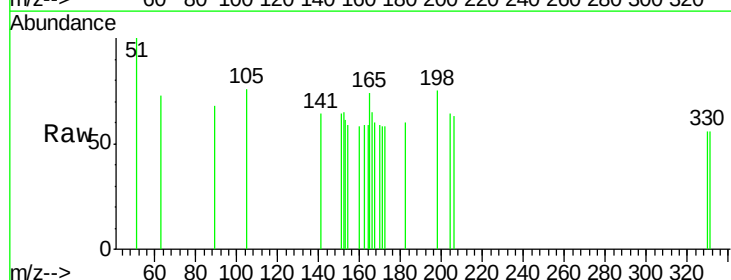
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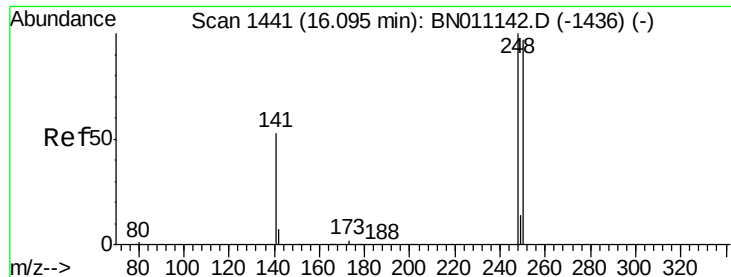
mohammad
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#20
4,6-Dinitro-2-methylphenol
Concen: 0.193 ng
RT: 15.33 min Scan# 1360
Delta R.T. 0.05 min
Lab File: BN011164.D
Acq: 14 Jul 2020 18:04

Tgt Ion:	198	Resp:	58
Ion Ratio	Lower	Upper	
198	100		
51	133.3	53.1	79.7#
105	101.7	51.9	77.9#





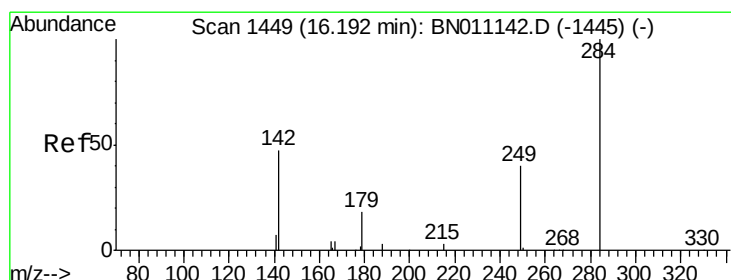
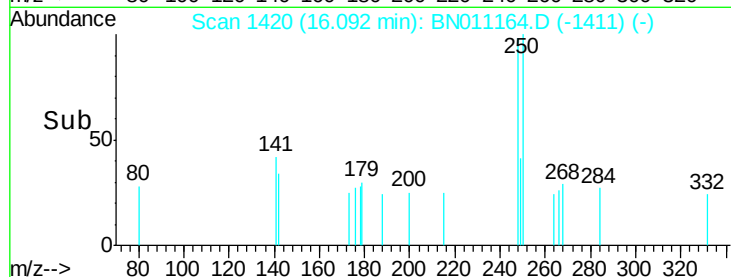
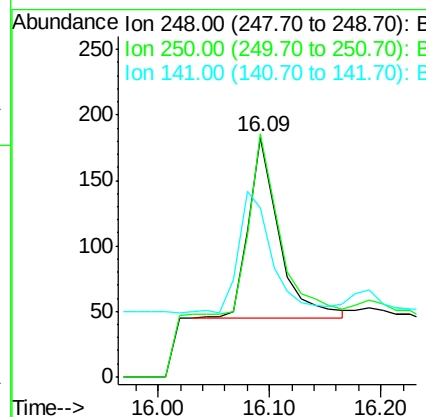
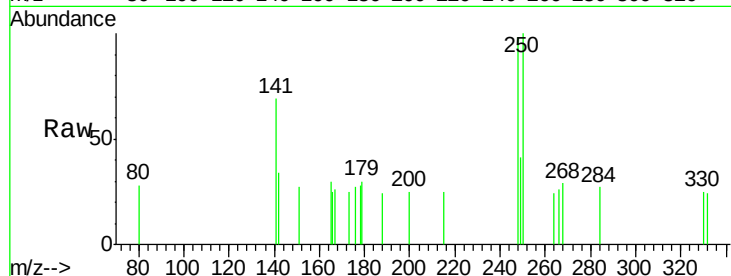
#21
4-Bromophenyl-phenylether
Concen: 0.074 ng
RT: 16.09 min Scan# 1420
Delta R.T. 0.01 min
Lab File: BN011164.D
Acq: 14 Jul 2020 18:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
248	100		
250	101.6	78.4	117.6
141	70.5	45.1	67.7

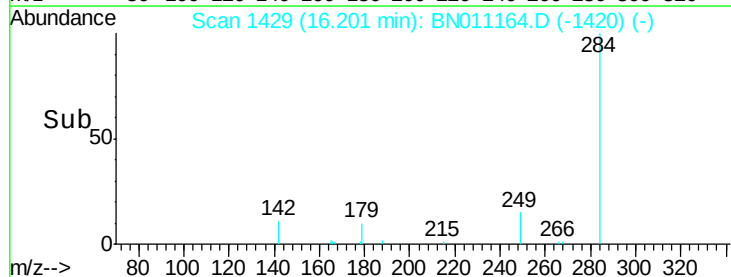
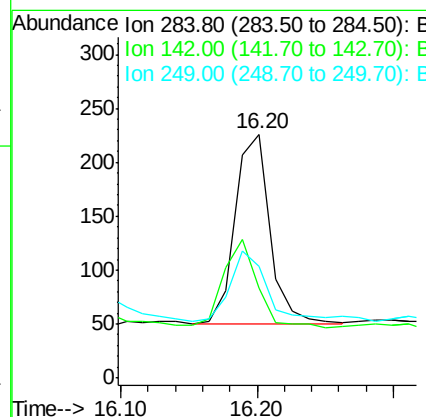
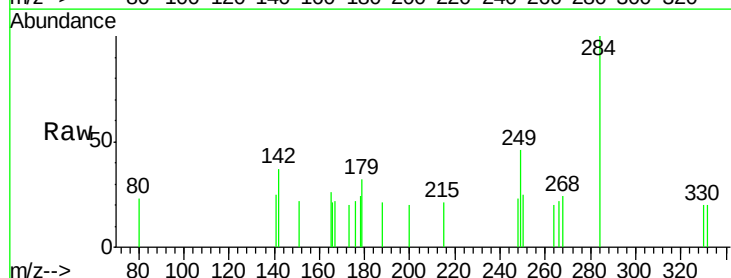
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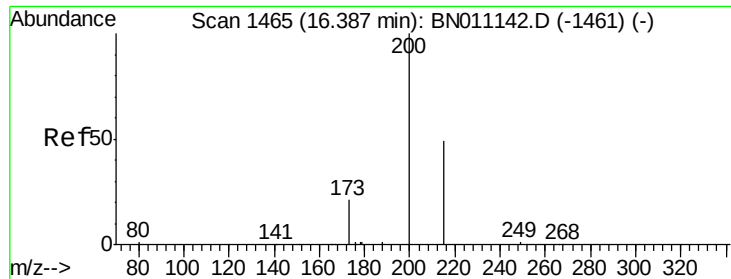
mohammad
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#22
Hexachlorobenzene
Concen: 0.076 ng
RT: 16.20 min Scan# 1429
Delta R.T. 0.01 min
Lab File: BN011164.D
Acq: 14 Jul 2020 18:04

Tgt Ion	Ratio	Lower	Upper
284	100		
142	44.4	32.6	48.8
249	41.9	28.4	42.6





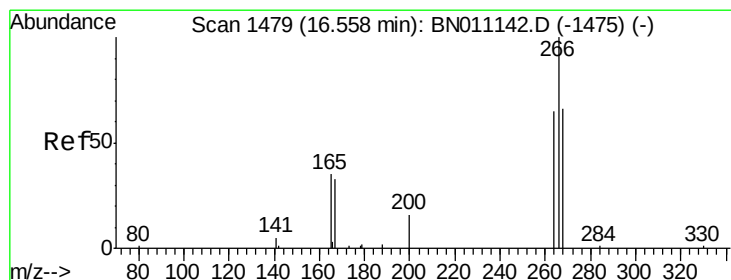
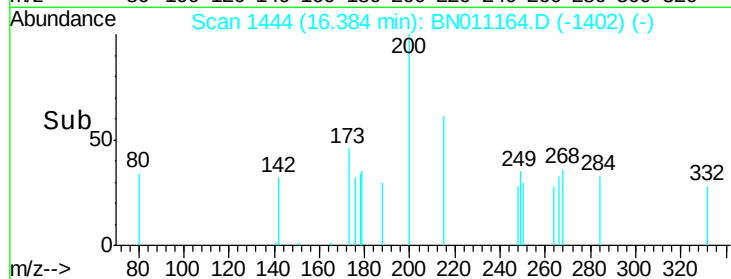
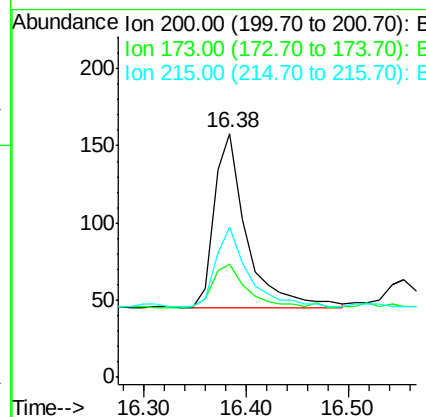
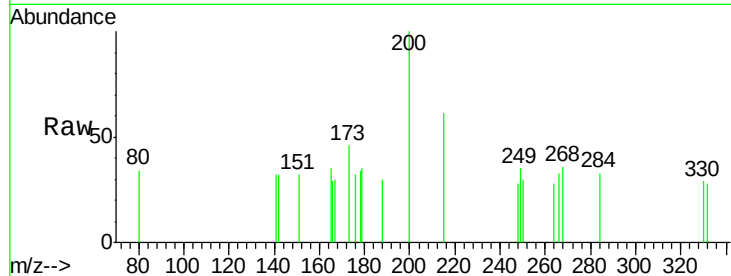
#23
Atrazine
Concen: 0.100 ng
RT: 16.38 min Scan# 1444
Delta R.T. 0.02 min
Lab File: BN011164.D
Acq: 14 Jul 2020 18:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
200	100		
173	46.2	23.0	34.4#
215	61.4	42.6	63.8

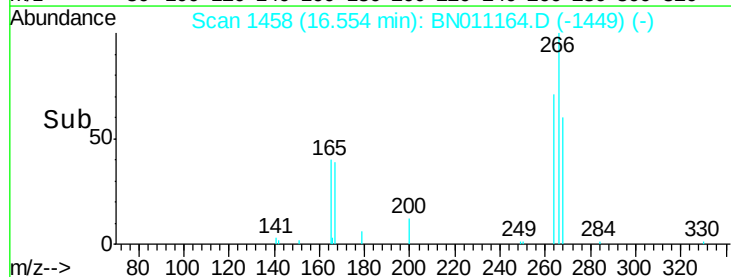
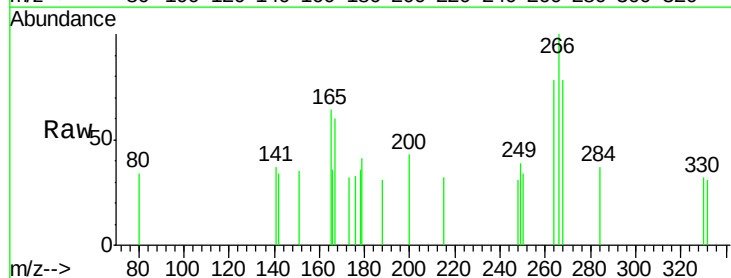
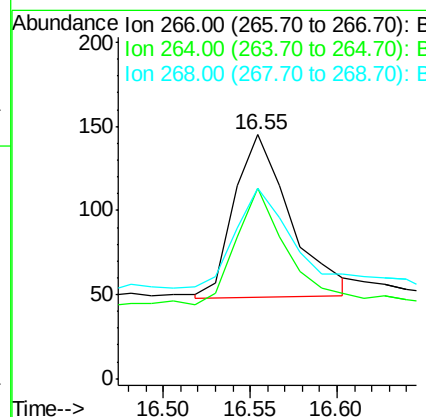
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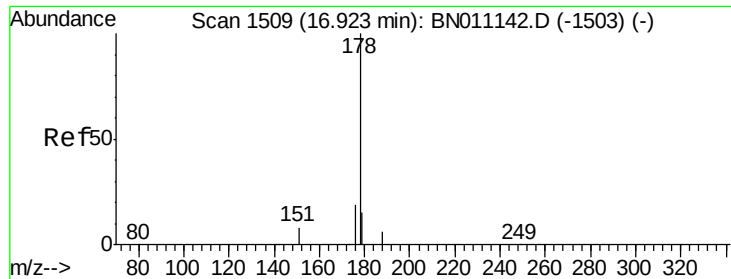
mohammad
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#24
Pentachlorophenol
Concen: 0.180 ng m
RT: 16.55 min Scan# 1458
Delta R.T. 0.01 min
Lab File: BN011164.D
Acq: 14 Jul 2020 18:04

Tgt Ion	Ratio	Lower	Upper
266	100		
264	70.6	52.5	78.7
268	67.9	48.9	73.3





#25

Phenanthrene

Concen: 0.086 ng

RT: 16.92 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

Instrument :

BNA_N

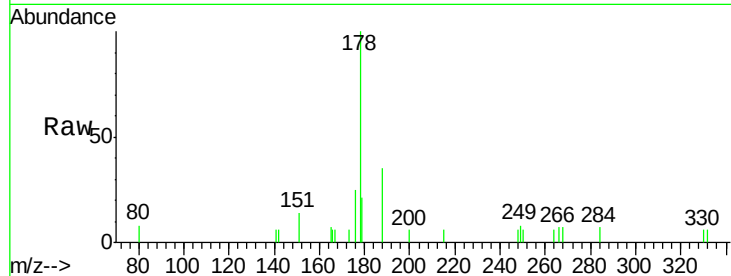
ClientSampleId :

MDL-SOIL-03-QT3-2020

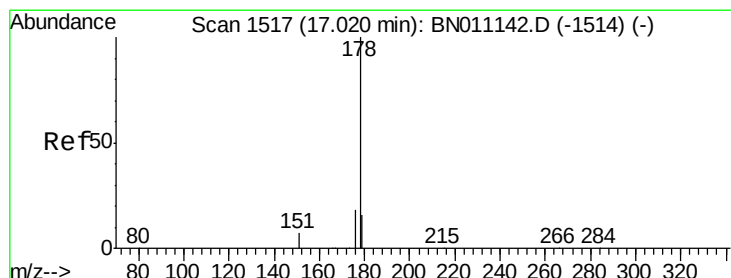
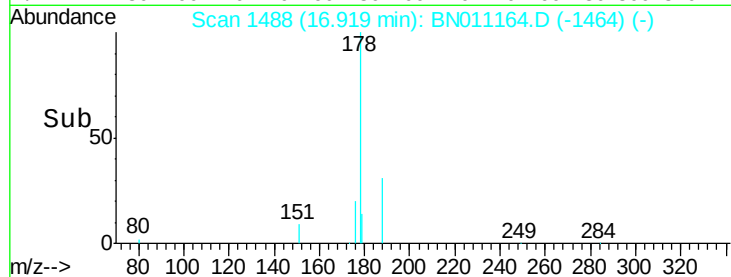
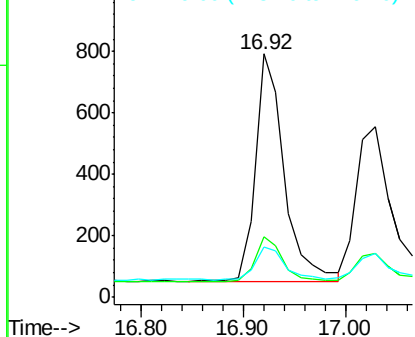
Tot Ion:178	Resp:	1446
Ion Ratio	Lower	Upper
178	100	
176	19.2	15.3 22.9
179	15.5	12.6 18.8

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#26

Anthracene

Concen: 0.082 ng

RT: 17.03 min Scan# 1497

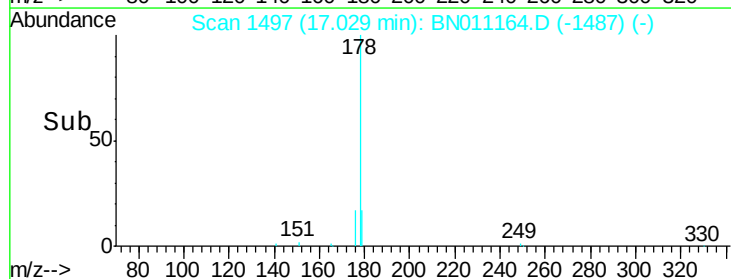
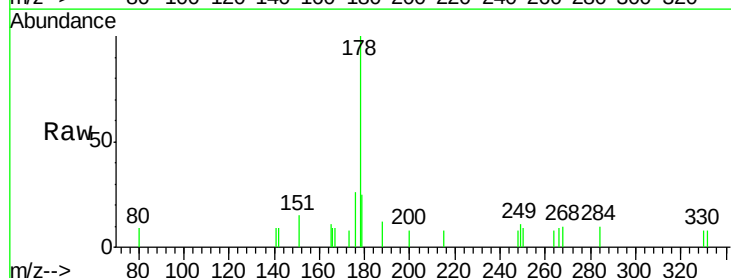
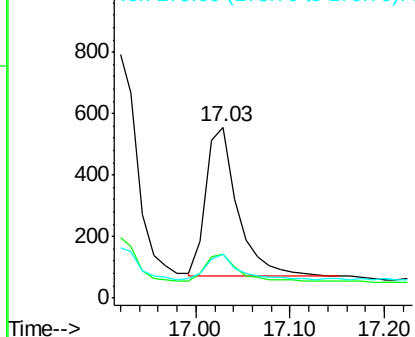
Delta R.T. 0.02 min

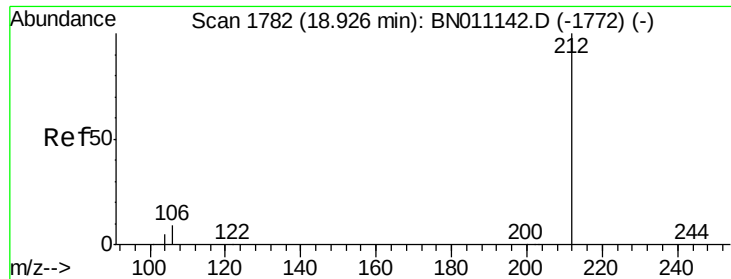
Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

Tgt Ion:178	Resp:	1149
Ion Ratio	Lower	Upper
178	100	
176	18.6	14.5 21.7
179	16.6	12.0 18.0

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





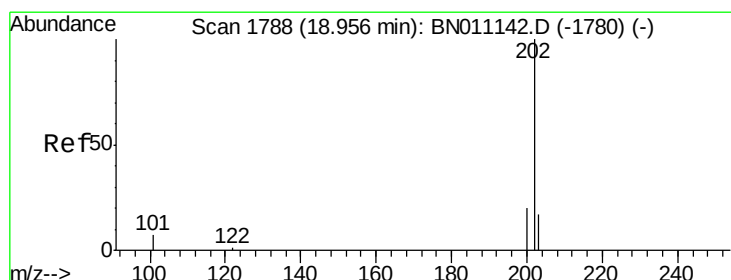
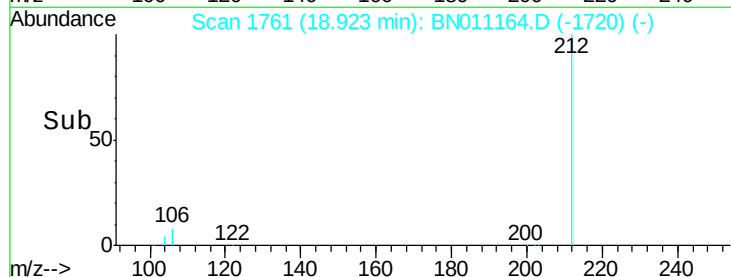
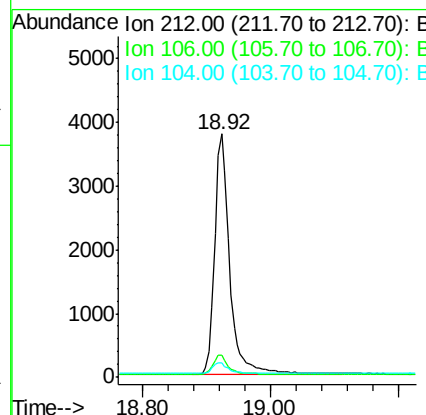
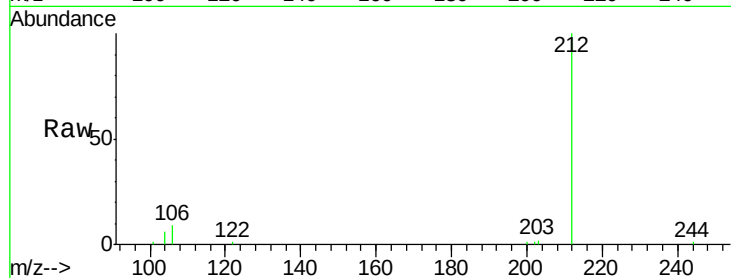
#27
Fluoranthene-d10
Concen: 0.376 ng
RT: 18.92 min Scan# 1761
Delta R.T. 0.00 min
Lab File: BN011164.D
Acq: 14 Jul 2020 18:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
212	100		
106	7.9	7.0	10.6
104	5.1	4.2	6.4

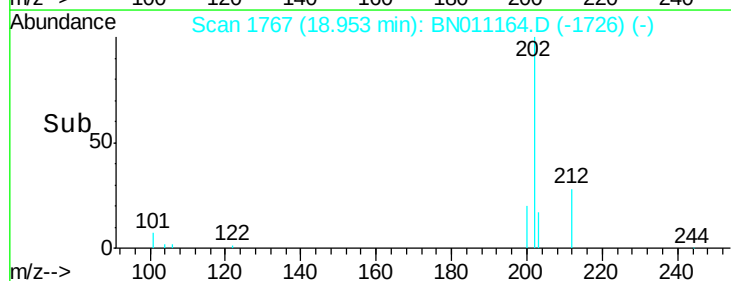
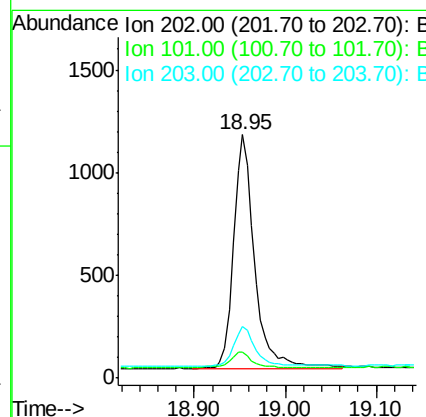
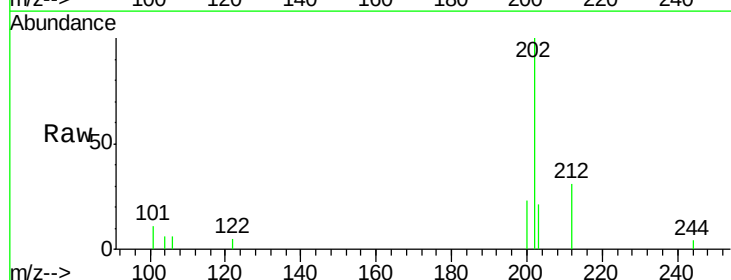
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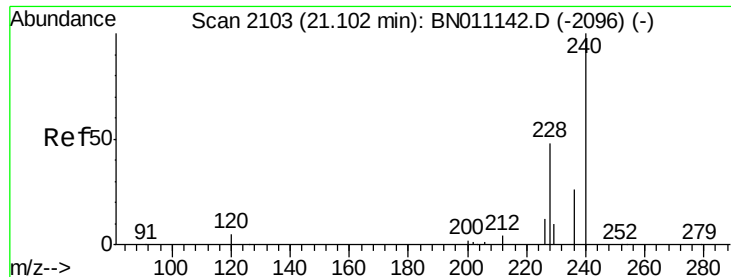
mohammad
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#28
Fluoranthene
Concen: 0.090 ng
RT: 18.95 min Scan# 1767
Delta R.T. 0.00 min
Lab File: BN011164.D
Acq: 14 Jul 2020 18:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.6	5.9	8.9
203	17.8	13.6	20.4





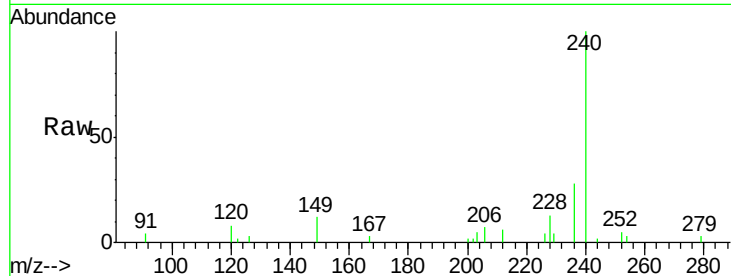
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.10 min Scan# 2082
Delta R.T. 0.01 min
Lab File: BN011164.D
Acq: 14 Jul 2020 18:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2020

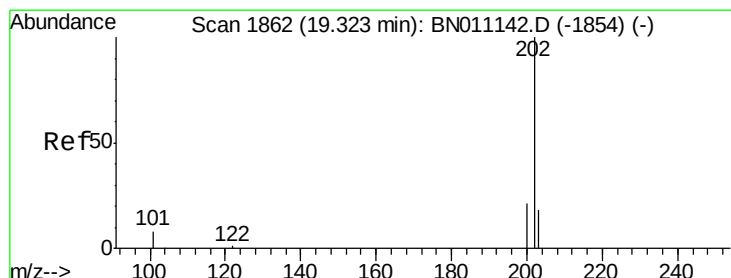
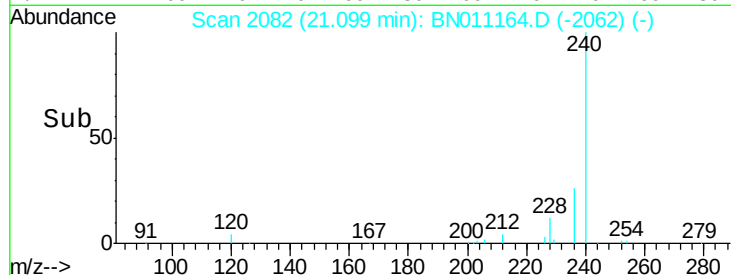
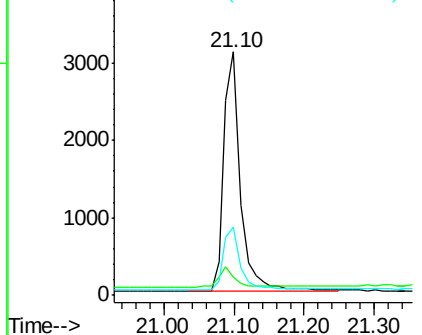
Tot Ion	Ratio	Lower	Upper
240	100		
120	7.6	6.5	9.7
236	28.0	21.9	32.9

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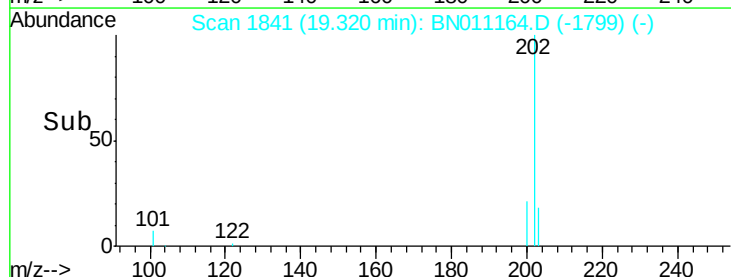
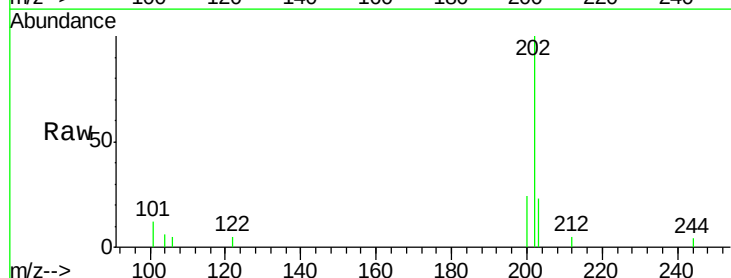
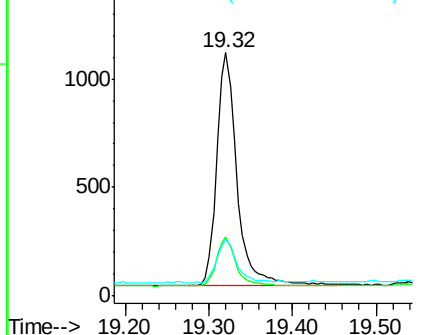
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

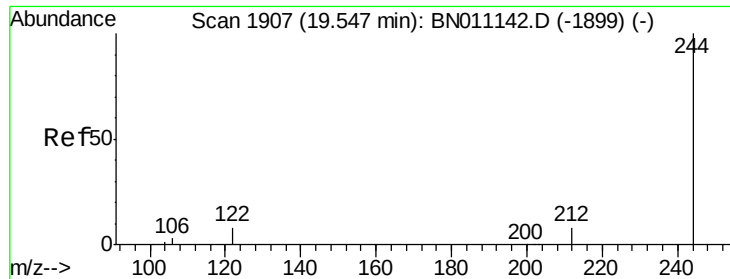


#30
Pyrene
Concen: 0.091 ng
RT: 19.32 min Scan# 1841
Delta R.T. 0.01 min
Lab File: BN011164.D
Acq: 14 Jul 2020 18:04

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.5	24.7
203	17.9	14.2	21.4

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#31

Terphenyl-d14

Concen: 0.377 ng

RT: 19.54 min Scan# 1885

Delta R.T. 0.00 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:244 Resp: 5098

Ion Ratio Lower Upper

244 100

212 10.1 7.8 11.6

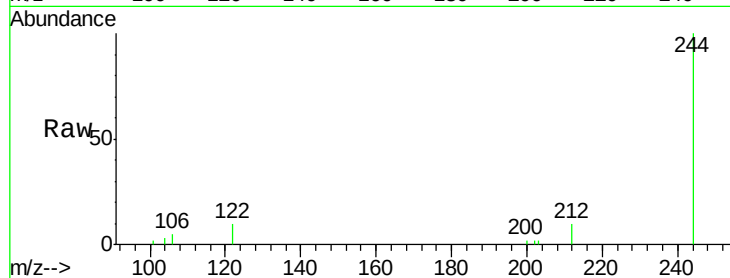
122 9.9 7.4 11.0

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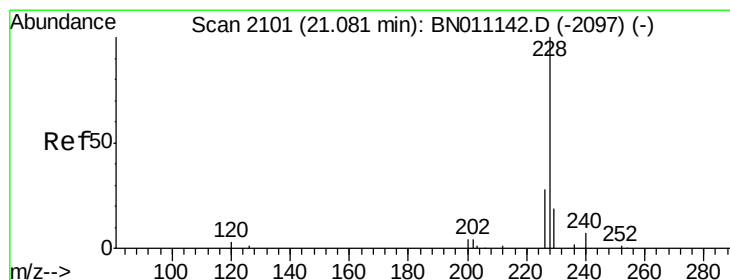
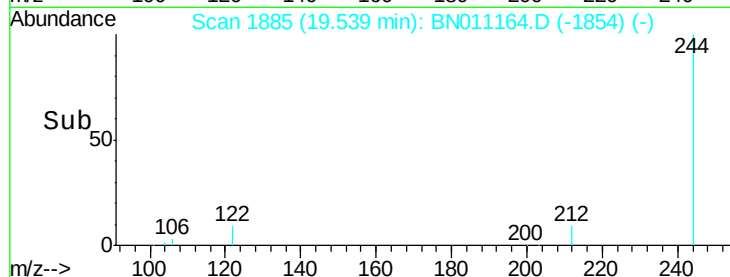
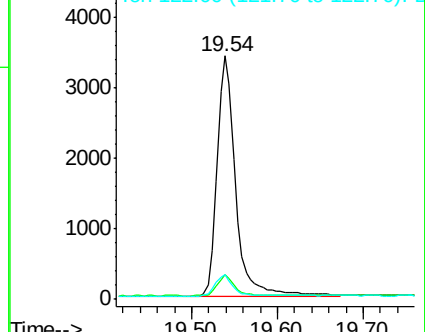
7/15/2020 10:57:35 AM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#32

Benzo(a)anthracene

Concen: 0.095 ng

RT: 21.08 min Scan# 2080

Delta R.T. -0.00 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

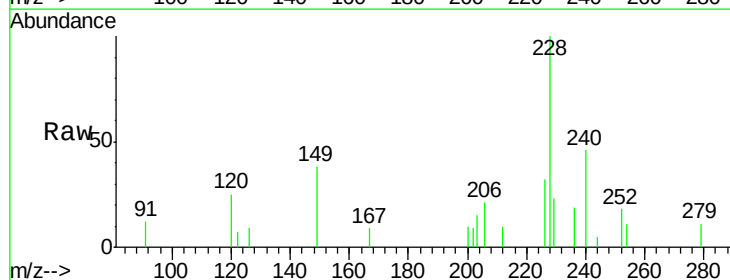
Tgt Ion:228 Resp: 1608

Ion Ratio Lower Upper

228 100

226 31.9 23.2 34.8

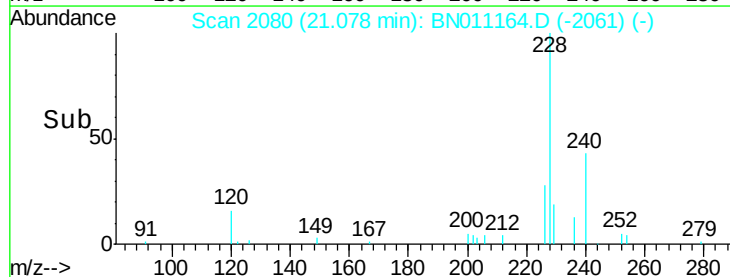
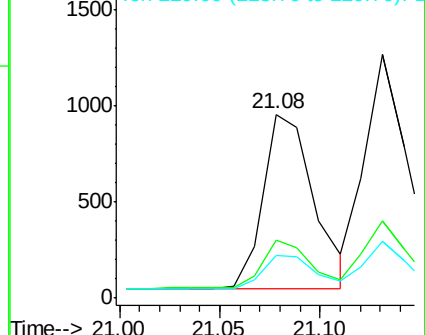
229 23.1 16.2 24.4

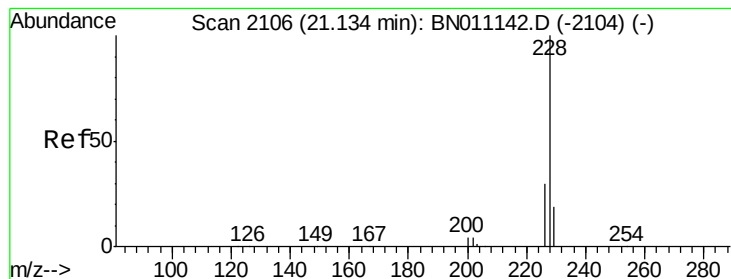


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#33

Chrysene

Concen: 0.091 ng

RT: 21.13 min Scan# 2085

Delta R.T. 0.01 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

Instrument :

BNA_N

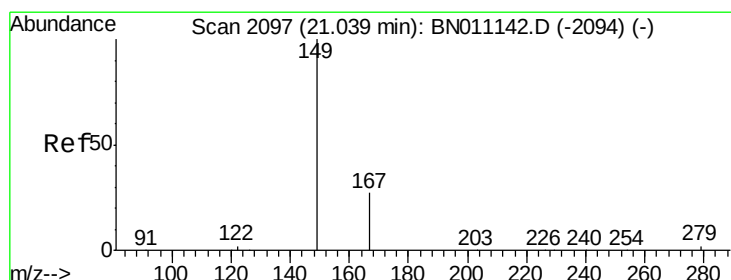
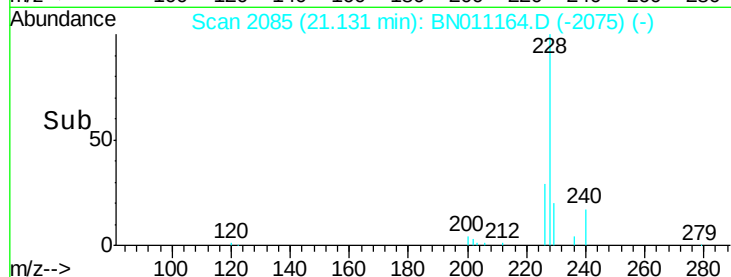
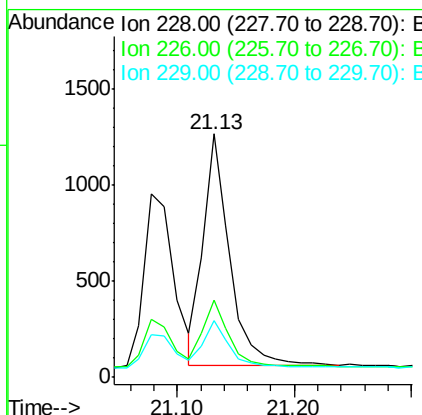
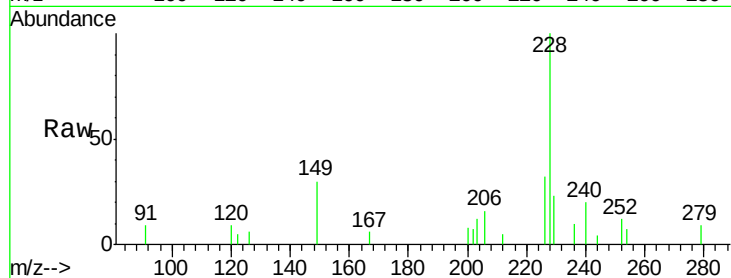
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:228	Resp:	1878
Ion Ratio	Lower	Upper
228 100		
226 31.9	24.0	36.0
229 23.3	16.2	24.4

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#34

Bis(2-ethylhexyl)phthalate

Concen: 0.144 ng

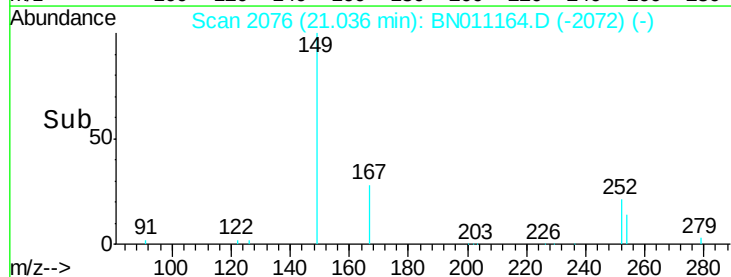
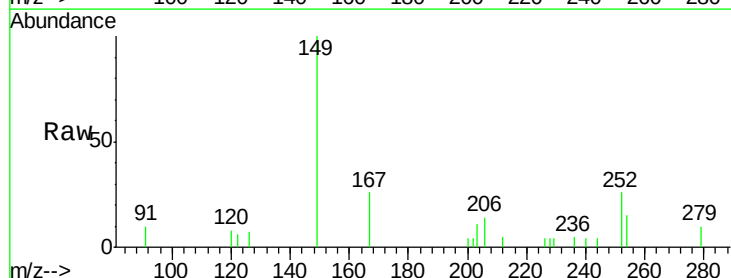
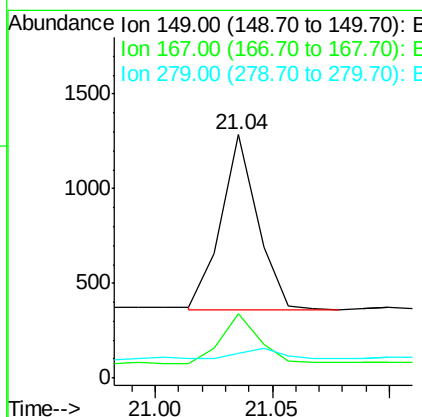
RT: 21.04 min Scan# 2076

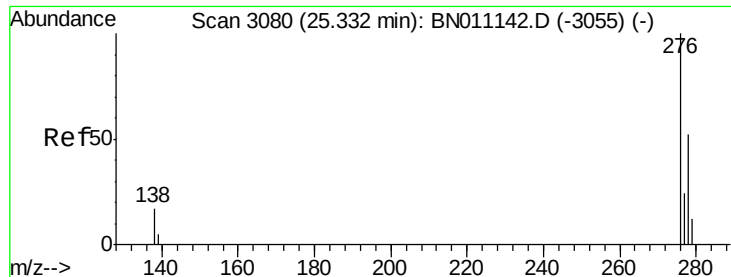
Delta R.T. -0.00 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

Tgt Ion:149	Resp:	1000
Ion Ratio	Lower	Upper
149 100		
167 29.8	23.4	35.0
279 5.5	4.5	6.7





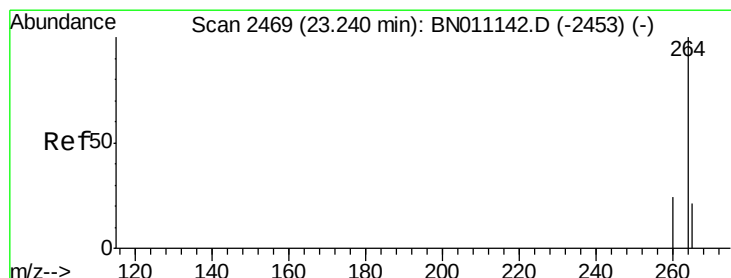
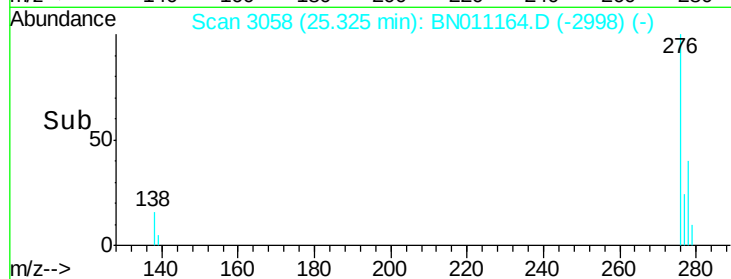
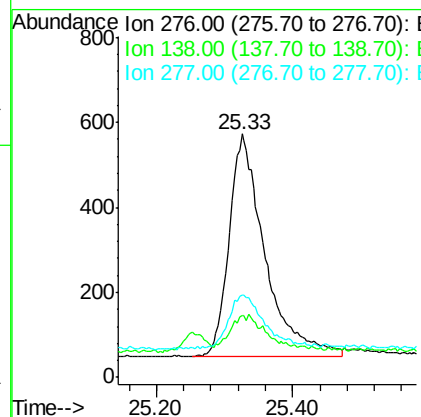
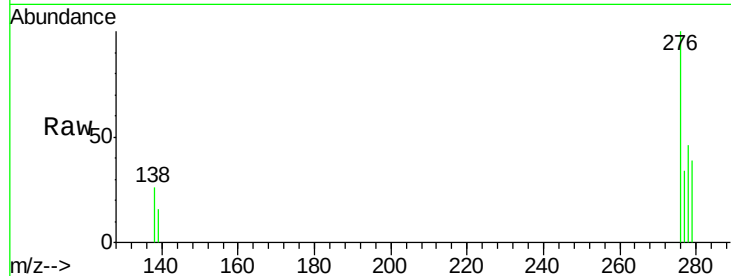
#35
Indeno(1,2,3-cd)pyrene
Concen: 0.046 ng
RT: 25.33 min Scan# 3058
Delta R.T. 0.01 min
Lab File: BN011164.D
Acq: 14 Jul 2020 18:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
276	100		
138	6.3	13.0	19.6#
277	24.4	19.7	29.5

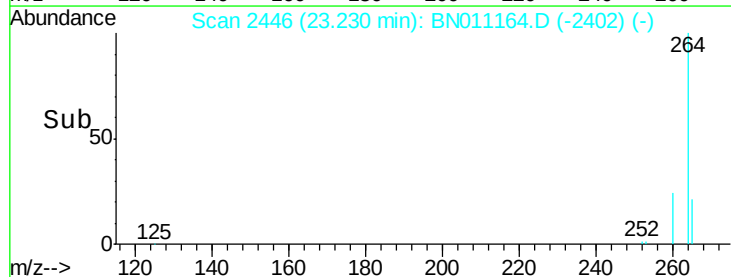
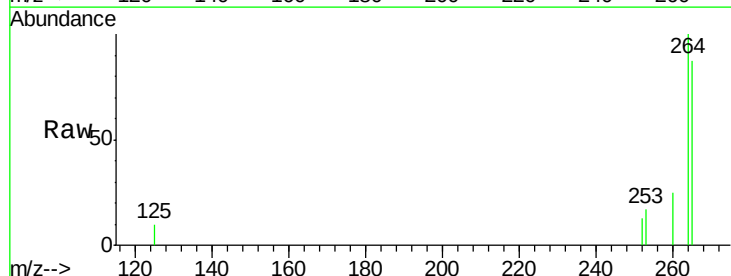
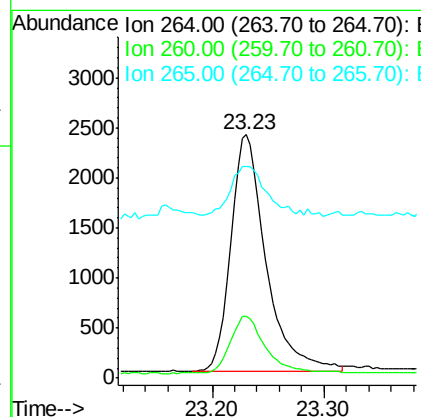
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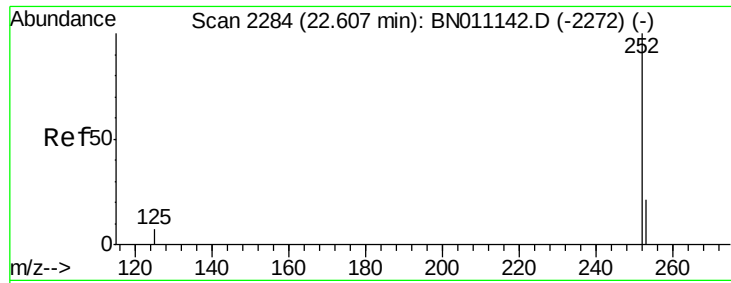
mohammad
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#36
Perylene-d12
Concen: 0.400 ng
RT: 23.23 min Scan# 2446
Delta R.T. 0.00 min
Lab File: BN011164.D
Acq: 14 Jul 2020 18:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.1	30.1
265	87.2	76.6	115.0





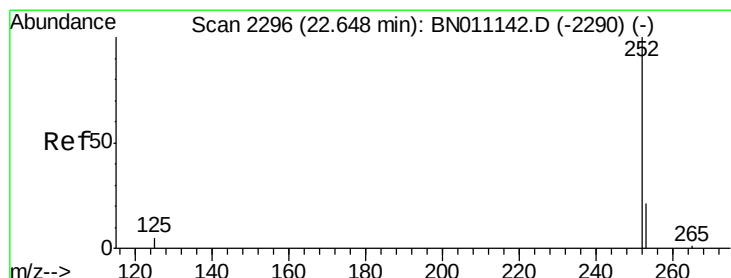
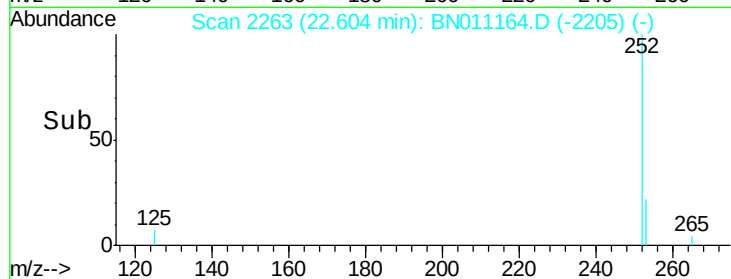
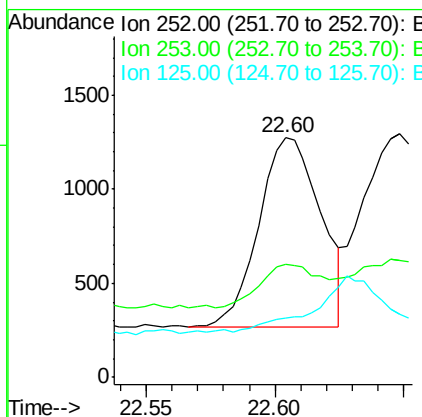
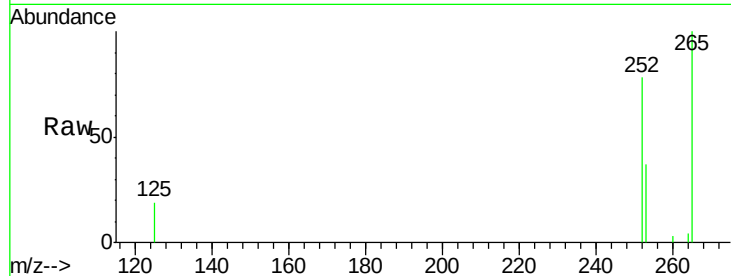
#37
Benzo(b)fluoranthene
Concen: 0.081 ng
RT: 22.60 min Scan# 2263
Delta R.T. 0.00 min
Lab File: BN011164.D
Acq: 14 Jul 2020 18:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
252	100		
253	47.3	22.6	34.0#
125	24.6	9.6	14.4#

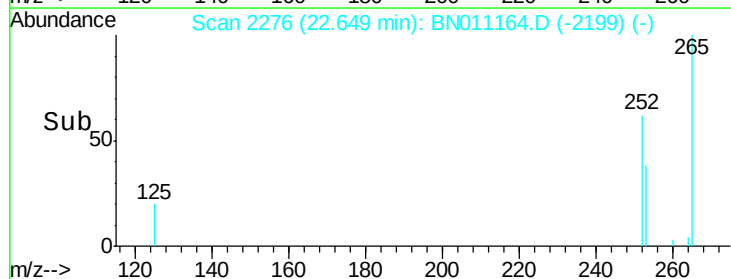
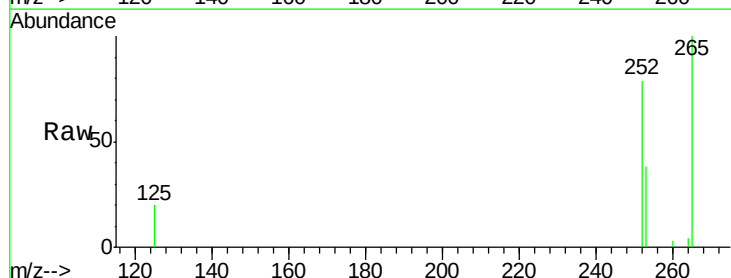
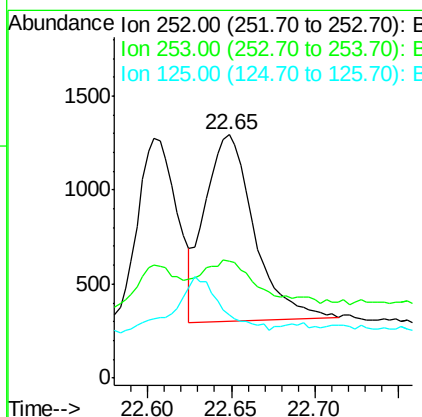
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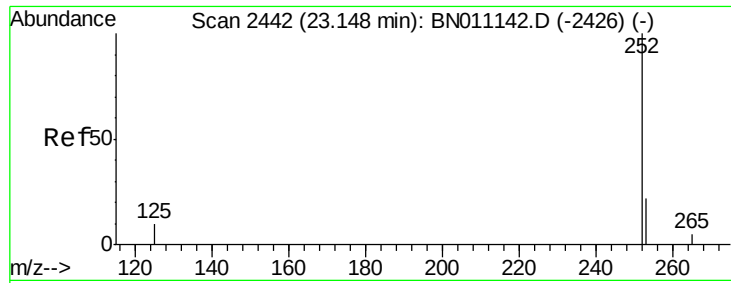
mohammad
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#38
Benzo(k)fluoranthene
Concen: 0.087 ng
RT: 22.65 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BN011164.D
Acq: 14 Jul 2020 18:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	48.2	22.2	33.4#
125	25.7	11.0	16.4#





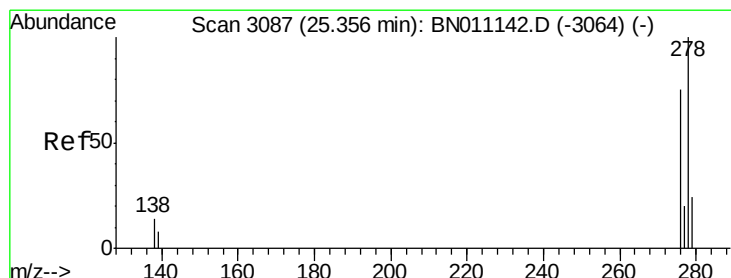
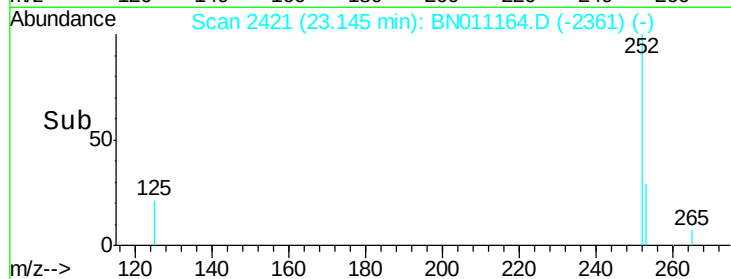
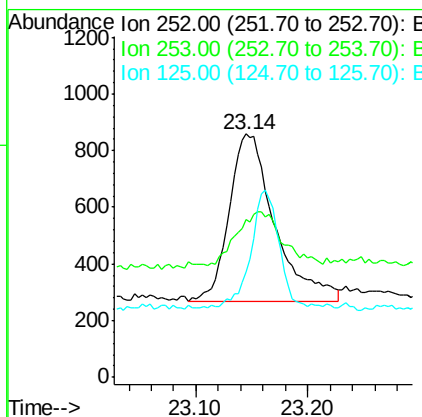
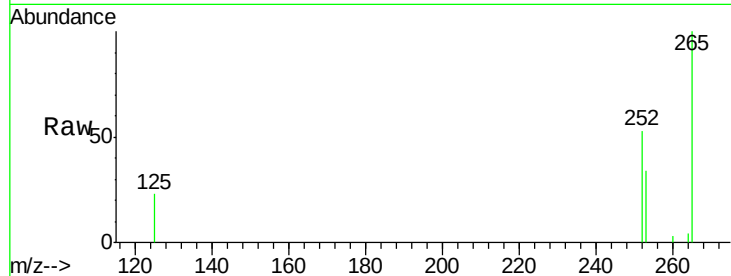
#39
Benzo(a)pyrene
Concen: 0.089 ng
RT: 23.14 min Scan# 2421
Delta R.T. 0.01 min
Lab File: BN011164.D
Acq: 14 Jul 2020 18:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
252	100		
253	64.8	25.8	38.6#
125	43.4	13.4	20.0#

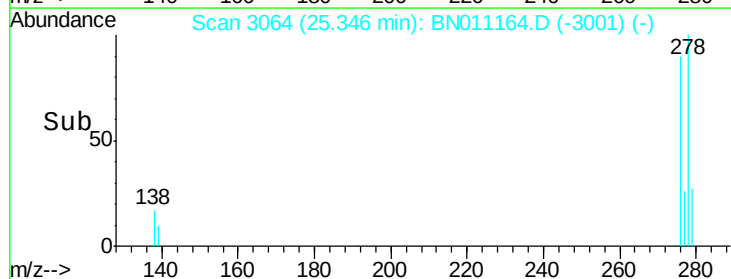
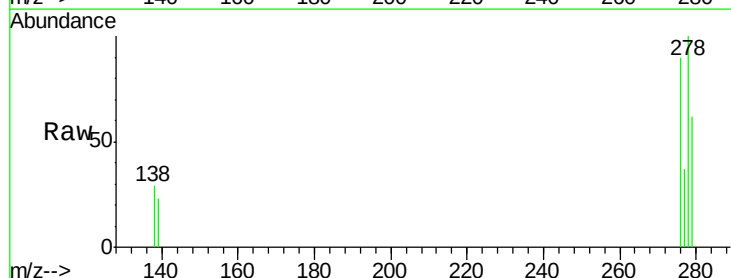
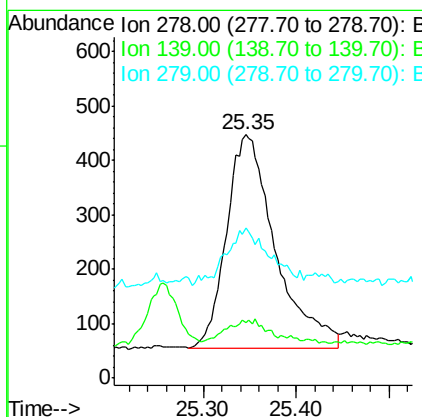
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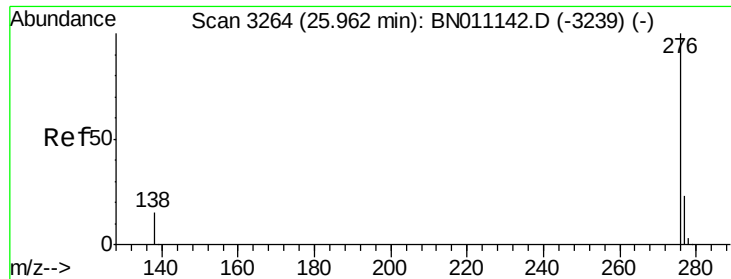
mohammad
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#40
Dibenzo(a,h)anthracene
Concen: 0.073 ng
RT: 25.35 min Scan# 3064
Delta R.T. 0.02 min
Lab File: BN011164.D
Acq: 14 Jul 2020 18:04

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.8	11.7	17.5#
279	61.7	25.0	37.6#





#41
Benzo(a,h,i)perylene
Concen: 0.077 ng
RT: 25.95 min Scan# 3241
Delta R.T. 0.01 min
Lab File: BN011164.D
Acq: 14 Jul 2020 18:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
276	100		
277	33.9	20.5	30.7#
138	25.6	13.8	20.6#

Manual Integrations
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mohammad
7/15/2020 10:57:35 AM

