

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
 Data File : BN009923.D
 Acq On : 26 Feb 2020 11:30
 Operator : CG/JU
 Sample : K5695-01
 Misc : ME-SOIL-MDL-01
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-01

Manual Integrations
 APPROVED

mohammad
 2/27/2020 4:56:57 PM

Quant Time: Feb 26 13:40:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 26 07:56:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	112380	20.00	ng/ul	0.00
18) Naphthalene-d8	10.13	136	490436	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.02	164	318658	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.78	188	703447	20.00	ng/ul	0.00
78) Chrysene-d12	21.00	240	714280	20.00	ng/ul	0.00
86) Perylene-d12	23.10	264	717248	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.03	96	14009	5.13	ng/uL	0.00
5) Phenol-d5	6.59	99	321212	33.60	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.74	67	236979	35.93	ng/ul	0.00
9) 2-Chlorophenol-d4	6.92	132	253182	35.18	ng/ul	0.00
13) 4-Methylphenol-d8	8.10	113	261771	34.43	ng/ul	0.00
19) Nitrobenzene-d5	8.53	128	125865	35.08	ng/ul	0.00
22) 2-Nitrophenol-d4	9.24	143	140863	35.89	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.77	165	248285	32.90	ng/ul	0.00
29) 4-Chloroaniline-d4	10.28	131	352199	41.54	ng/ul	0.00
44) Dimethylphthalate-d6	13.45	166	827444	34.76	ng/ul	0.00
47) Acenaphthylene-d8	13.71	160	1025393	36.58	ng/ul	0.00
52) 4-Nitrophenol-d4	14.27	143	123486	28.41	ng/ul	0.00
58) Fluorene-d10	15.03	176	696876	33.91	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.19	200	127135	29.09	ng/ul	0.00
71) Anthracene-d10	16.88	188	1107977	34.36	ng/ul	0.00
79) Pyrene-d10	19.19	212	1232487	33.01	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.97	264	1217004	33.98	ng/ul	0.00

Target Compounds

				Ovalue	
2) 1,4-Dioxane	3.07	88	4334m	1.381	ng/uL
4) Benzaldehyde	6.56	77	29137	4.584	ng/ul
6) Phenol	6.61	94	37002	3.612	ng/ul#
8) Bis(2-Chloroethyl)ether	6.83	93	29729	3.693	ng/ul
10) 2-Chlorophenol	6.95	128	28474	3.756	ng/ul
11) 2-Methylphenol	7.84	108	25649	3.422	ng/ul
12) 2,2'-oxybis(1-Chloropropan	7.91	45	83022	4.207	ng/ul
14) Acetophenone	8.20	105	47376	3.824	ng/ul
15) N-Nitroso-di-n-propylamine	8.19	70	25376	3.920	ng/ul
16) 4-Methylphenol	8.16	108	29665	3.607	ng/ul
17) Hexachloroethane	8.43	117	13577	3.937	ng/ul
20) Nitrobenzene	8.57	77	41302	3.906	ng/ul
21) Isophorone	9.09	82	65013	3.494	ng/ul
23) 2-Nitrophenol	9.27	139	16092	3.664	ng/ul#
24) 2,4-Dimethylphenol	9.35	107	35529	3.726	ng/ul
25) Bis(2-Chloroethoxy)methane	9.58	93	41903	3.685	ng/ul
27) 2,4-Dichlorophenol	9.80	162	28257	3.712	ng/ul
28) Naphthalene	10.18	128	100423	3.797	ng/ul
30) 4-Chloroaniline	10.31	127	37669	4.339	ng/ul
31) Hexachlorobutadiene	10.46	225	18429	3.620	ng/ul
32) Caprolactam	11.13	113	7304m	2.861	ng/ul
33) 4-Chloro-3-methylphenol	11.46	107	29833	3.427	ng/ul
34) 2-Methylnaphthalene	11.80	142	66257	3.608	ng/ul

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
 Data File : BN009923.D
 Acq On : 26 Feb 2020 11:30
 Operator : CG/JU
 Sample : K5695-01
 Misc : ME-SOIL-MDL-01
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleID :
 MDL-SOIL-01

Manual Integrations
 APPROVED

mohammad
 2/27/2020 4:56:57 PM

Quant Time: Feb 26 13:40:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 26 07:56:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 1-Methylnaphthalene	12.03	142	72601	3.944	ng/uL	99
37) 1,2,4,5-Tetrachlorobenzene	12.19	216	34528	3.656	ng/uL	98
38) Hexachlorocyclopentadiene	12.16	237	5044	1.234	ng/uL#	91
39) 2,4,6-Trichlorophenol	12.45	196	19219	3.206	ng/uL	88
40) 2,4,5-Trichlorophenol	12.53	196	20661	3.213	ng/uL	94
41) 1,1'-Biphenyl	12.85	154	90456	3.696	ng/uL	97
42) 2-Chloronaphthalene	12.89	162	72000	3.704	ng/uL	99
43) 2-Nitroaniline	13.12	65	20891	2.939	ng/uL	99
45) Dimethylphthalate	13.50	163	92651	3.730	ng/uL	99
46) 2,6-Dinitrotoluene	13.63	165	15149	3.116	ng/uL	98
48) Acenaphthylene	13.74	152	117825	3.883	ng/uL	99
49) 3-Nitroaniline	13.97	138	12977	2.891	ng/uL#	97
50) Acenaphthene	14.09	153	78175	3.758	ng/uL	94
51) 2,4-Dinitrophenol	14.21	184	3245	1.163	ng/uL#	81
53) 4-Nitrophenol	14.28	109	13694	3.491	ng/uL#	76
54) Dibenzofuran	14.43	168	109583	3.754	ng/uL	98
55) 2,4-Dinitrotoluene	14.43	165	24893	3.455	ng/uL	84
56) 2,3,4,6-Tetrachlorophenol	14.67	232	18416	3.331	ng/uL	96
57) Diethylphthalate	14.88	149	92333	3.621	ng/uL	99
59) Fluorene	15.09	166	91818	3.748	ng/uL	97
60) 4-Chlorophenyl-phenylether	15.09	204	44692	3.699	ng/uL	92
61) 4-Nitroaniline	15.14	138	12737	2.327	ng/uL	91
64) 4,6-Dinitro-2-methylphenol	15.20	198	14526	3.086	ng/uL#	70
65) N-Nitrosodiphenylamine	15.30	169	74032	3.547	ng/uL	93
66) 4-Bromophenyl-phenylether	15.98	248	25029	3.556	ng/uL	94
67) Hexachlorobenzene	16.09	284	28116	3.610	ng/uL	99
68) Atrazine	16.27	200	25704	3.246	ng/uL#	86
69) Pentachlorophenol	16.46	266	9364	2.080	ng/uL	92
70) Phenanthrene	16.82	178	150114	3.739	ng/uL	98
72) Anthracene	16.92	178	153127	3.731	ng/uL	99
73) 1,2,3,4-Tetrachlorobenzene	12.80	216	38164	3.713	ng/uL	95
74) Pentachlorobenzene	14.35	250	34914	3.523	ng/uL	98
75) Carbazole	17.20	167	112505	3.113	ng/uL	96
76) Di-n-butylphthalate	17.77	149	145249	3.256	ng/uL	99
77) Fluoranthene	18.86	202	166301	3.536	ng/uL	97
80) Pvrene	19.22	202	184410	3.581	ng/uL	97
81) Butylbenzylphthalate	20.15	149	62136	2.935	ng/uL	95
82) 3,3'-Dichlorobenzidine	20.93	252	45064	2.894	ng/uL#	95
83) Benzo(a)anthracene	20.99	228	171046	3.485	ng/uL	98
84) Bis(2-ethylhexyl)phthalate	20.95	149	98172	3.037	ng/uL	95
85) Chrysene	21.04	228	172469	3.569	ng/uL	98
87) Di-n-octyl phthalate	21.79	149	160793	2.962	ng/uL	100
88) Benzo(b)fluoranthene	22.49	252	164124m	3.529	ng/uL	
89) Benzo(k)fluoranthene	22.53	252	160325	3.641	ng/uL	98
91) Benzo(a)pyrene	23.02	252	164262	3.927	ng/uL#	97
92) Indeno(1,2,3-cd)pyrene	25.14	276	179920	3.623	ng/uL	95
93) Dibenzo(a,h)anthracene	25.15	278	145173	3.417	ng/uL	97
94) Benzo(a,h,i)perylene	25.76	276	145670	3.498	ng/uL	98

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
Data File : BN009923.D
Acq On : 26 Feb 2020 11:30
Operator : CG/JU
Sample : K5695-01
Misc : ME-SOIL-MDL-01
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-01

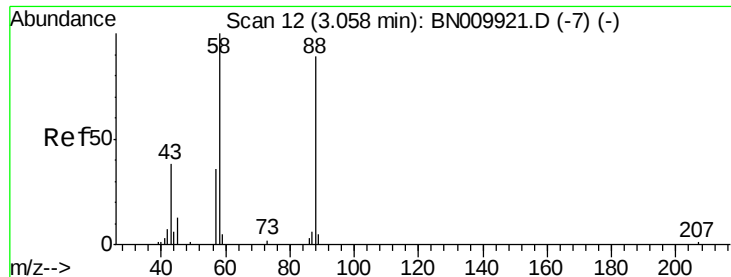
Manual Integrations
APPROVED

mohammad
2/27/2020 4:56:57 PM

Quant Time: Feb 26 13:40:25 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 26 07:56:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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



#2

1,4-Dioxane

Concen: 1.381 ng/uL m

RT: 3.07 min Scan# 14

Delta R.T. 0.01 min

Lab File: BN009923.D

Acq: 26 Feb 2020 11:30

Instrument :

BNA_N

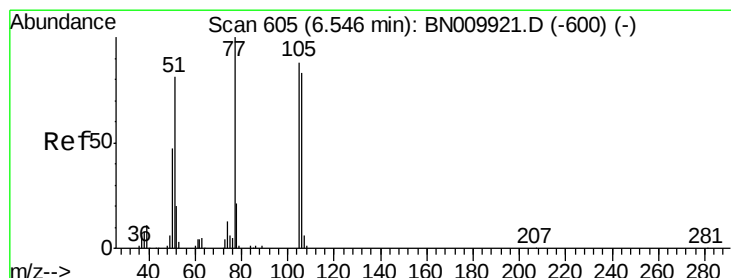
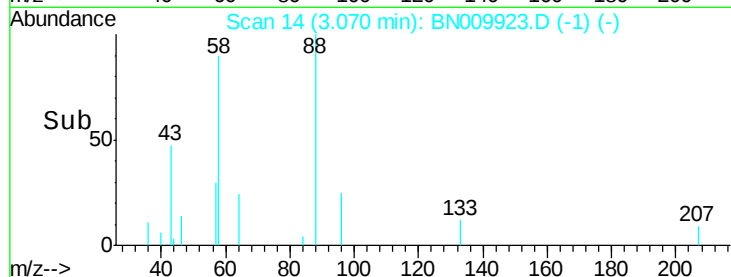
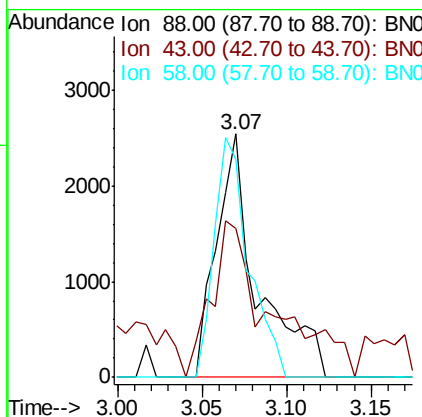
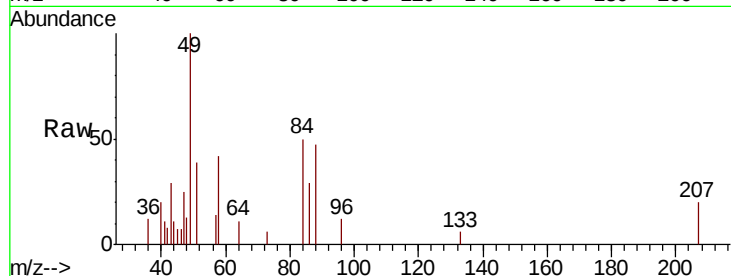
ClientSampleId :

MDL-SOIL-01

Tot Ion	88	Ratio	Lower	Upper
88	100			
43	61.4	44.7	67.1	
58	89.6	96.2	144.2	

Manual Integrations
APPROVED

mohammad
2/27/2020 4:56:57 PM



#4

Benzaldehyde

Concen: 4.584 ng/uL

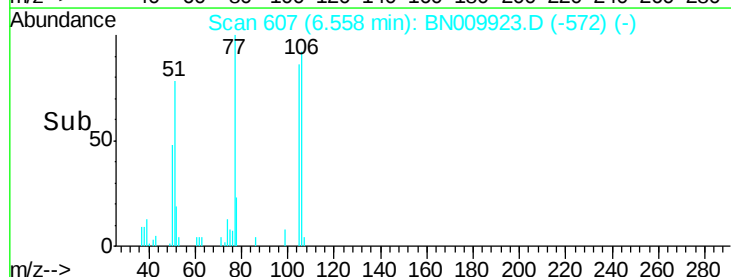
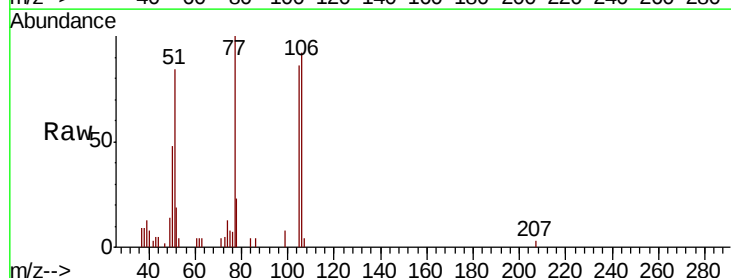
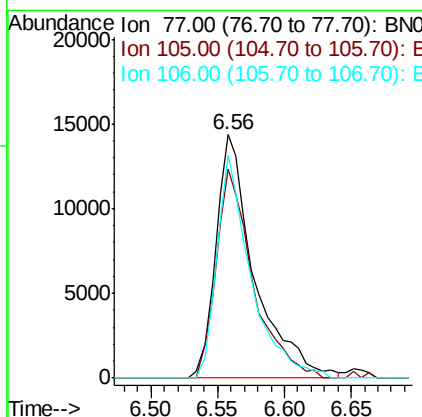
RT: 6.56 min Scan# 607

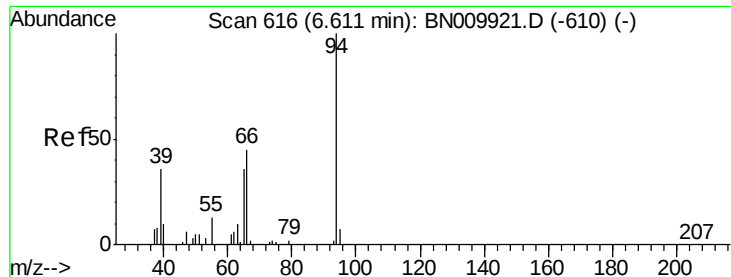
Delta R.T. 0.01 min

Lab File: BN009923.D

Acq: 26 Feb 2020 11:30

Tgt Ion	77	Ratio	Lower	Upper
77	100			
105	86.1	78.2	117.2	
106	91.7	70.9	106.3	





#6

Phenol

Concen: 3.612 ng/ul

RT: 6.61 min Scan# 616

Delta R.T. -0.01 min

Lab File: BN009923.D

Acq: 26 Feb 2020 11:30

Instrument :

BNA_N

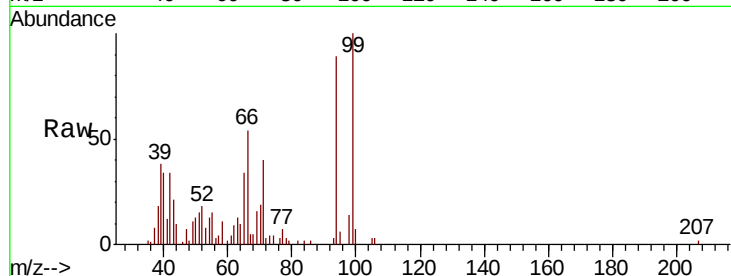
ClientSampled :

MDL-SOIL-01

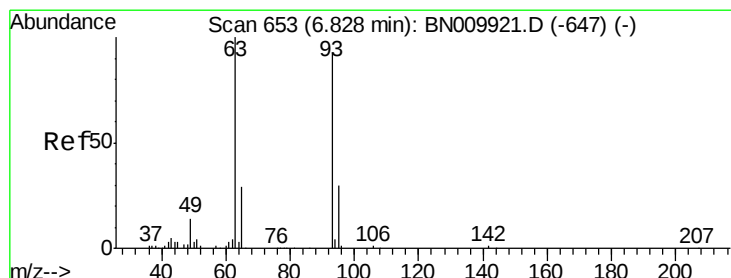
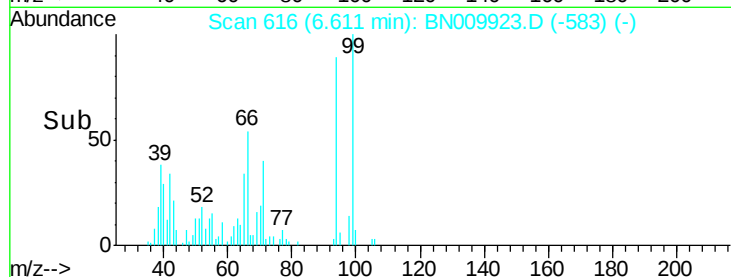
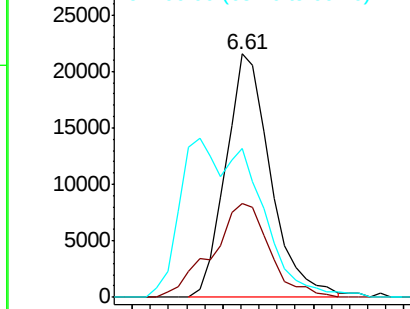
Tot Ion:	94	Resp:	37002
Ion	Ratio	Lower	Upper
94	100		
65	38.4	27.6	41.4
66	61.1	38.5	57.7#

Manual Integrations
APPROVED

mohammad
2/27/2020 4:56:57 PM



Abundance Ion 94.00 (93.70 to 94.70): BN0
Ion 65.00 (64.70 to 65.70): BN0
Ion 66.00 (65.70 to 66.70): BN0



#8

Bis(2-Chloroethyl)ether

Concen: 3.693 ng/ul

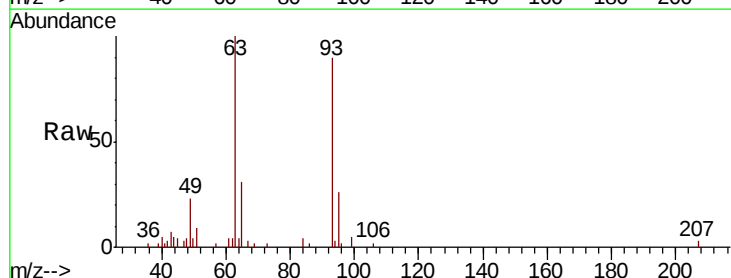
RT: 6.83 min Scan# 654

Delta R.T. 0.00 min

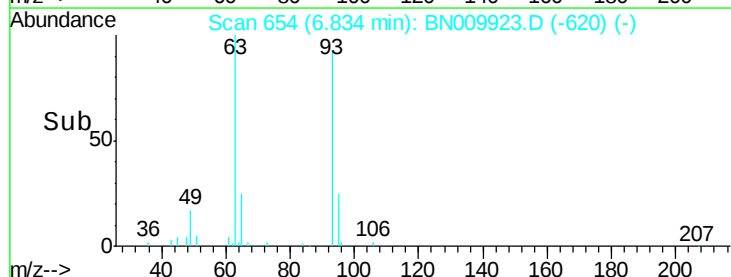
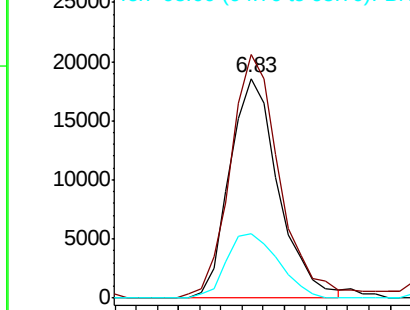
Lab File: BN009923.D

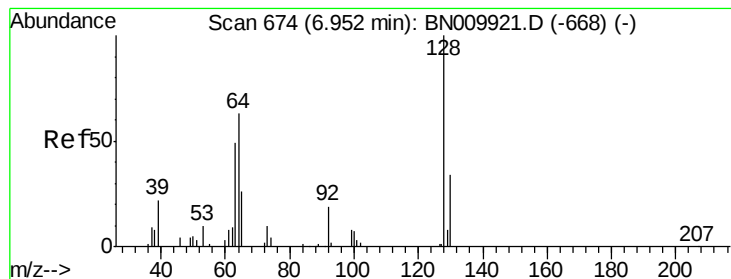
Acq: 26 Feb 2020 11:30

Tgt Ion:	93	Resp:	29729
Ion	Ratio	Lower	Upper
93	100		
63	110.8	82.7	124.1
95	29.1	26.6	40.0



Abundance Ion 93.00 (92.70 to 93.70): BN0
Ion 63.00 (62.70 to 63.70): BN0
Ion 95.00 (94.70 to 95.70): BN0





#10

2-Chlorophenol

Concen: 3.756 ng/ul

RT: 6.95 min Scan# 674

Delta R.T. -0.01 min

Lab File: BN009923.D

Acq: 26 Feb 2020 11:30

Instrument :

BNA_N

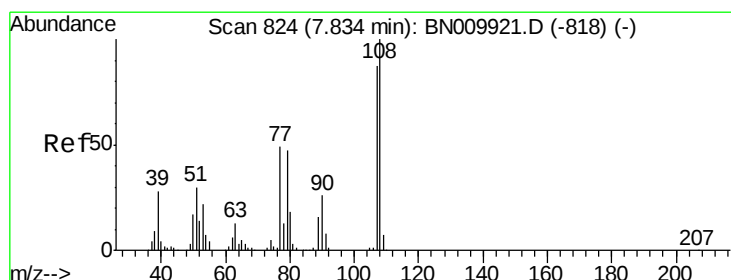
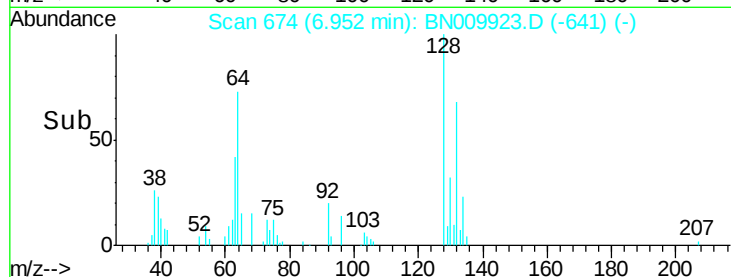
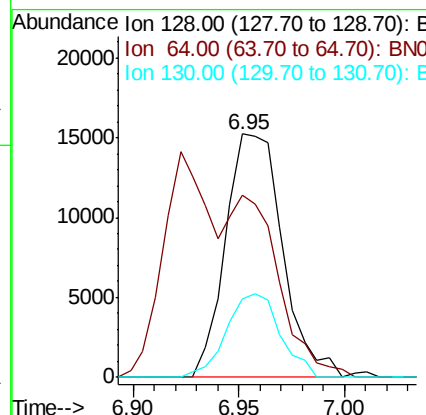
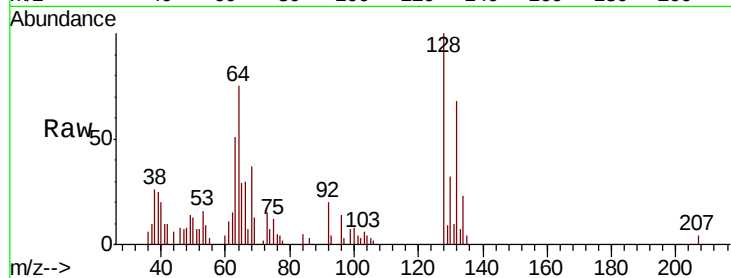
ClientSampleId :

MDL-SOIL-01

Tot Ion:	128	Resp:	28474
Ion Ratio	Lower	Upper	
128	100		
64	74.9	52.5	78.7
130	32.3	24.4	36.6

Manual Integrations
APPROVED

mohammad
2/27/2020 4:56:57 PM



#11

2-Methylphenol

Concen: 3.422 ng/ul

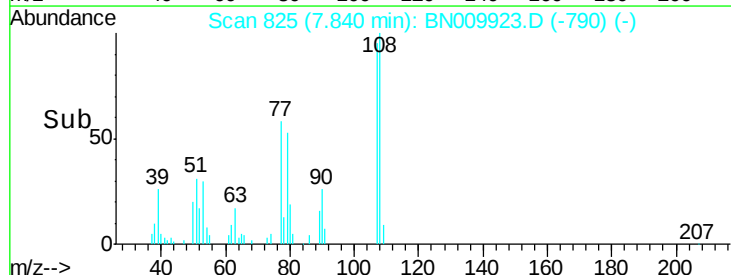
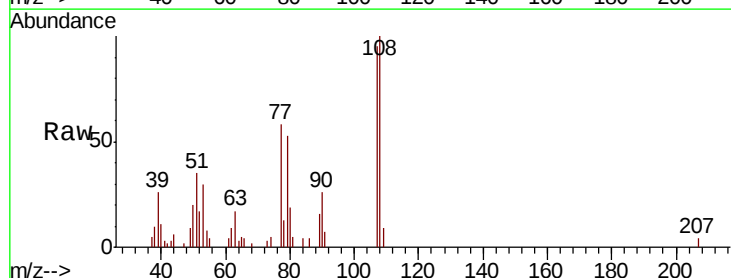
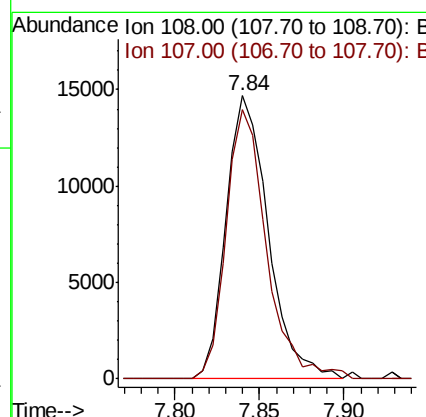
RT: 7.84 min Scan# 825

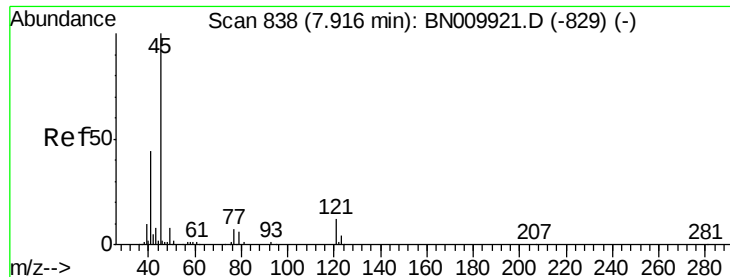
Delta R.T. 0.01 min

Lab File: BN009923.D

Acq: 26 Feb 2020 11:30

Tgt Ion:	108	Resp:	25649
Ion Ratio	Lower	Upper	
108	100		
107	95.2	72.3	108.5





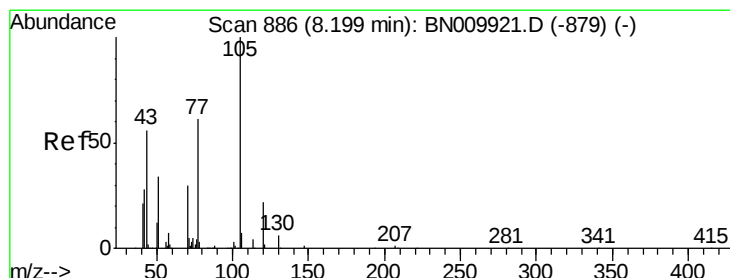
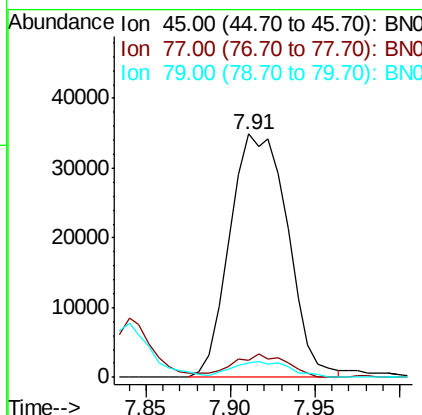
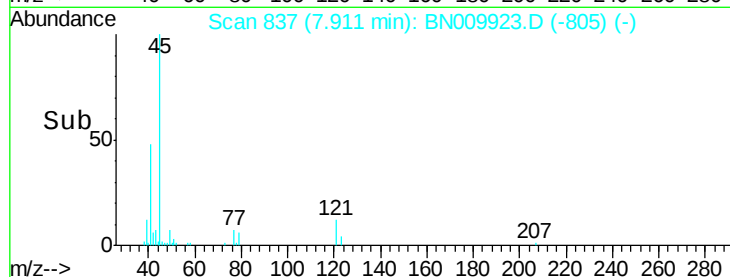
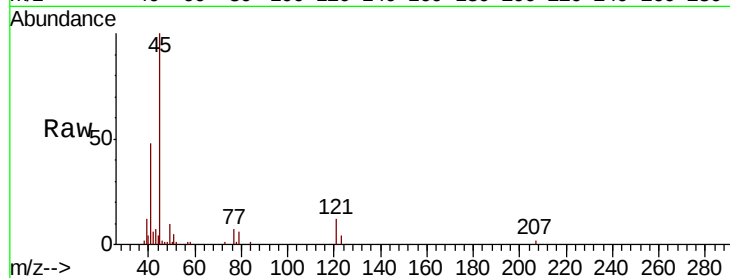
#12
2,2'-oxvbis(1-Chloropropane)
Concen: 4.207 ng/ul
RT: 7.91 min Scan# 837
Delta R.T. -0.01 min
Lab File: BN009923.D
Acq: 26 Feb 2020 11:30

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-01

Tot Ion:	45	Resp:	83022
Ion Ratio	Lower	Upper	
45	100		
77	7.0	6.3	9.5
79	6.1	5.1	7.7

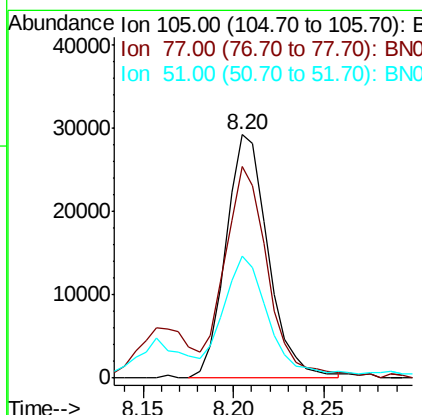
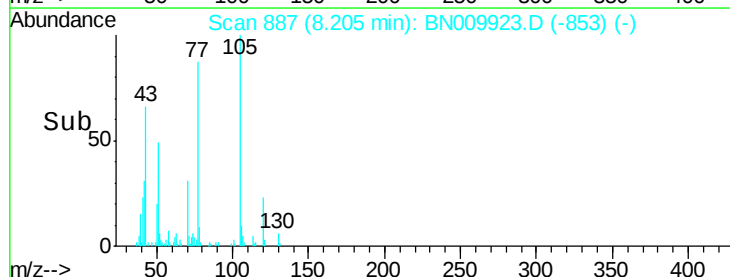
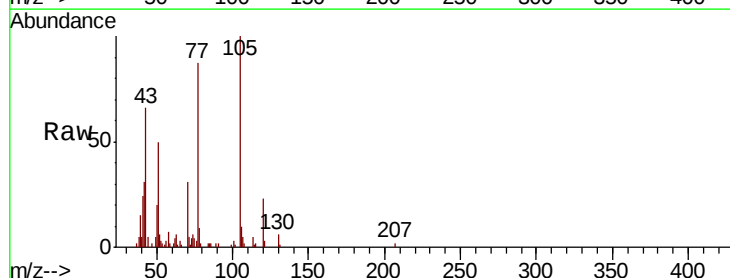
Manual Integrations
APPROVED

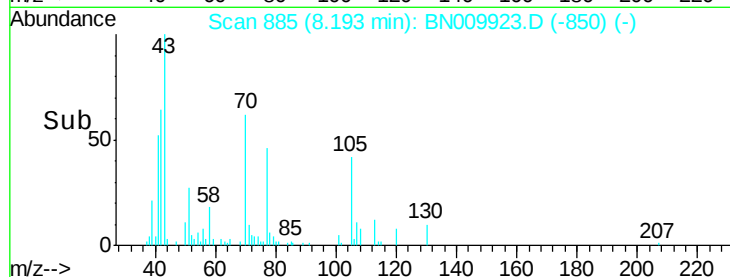
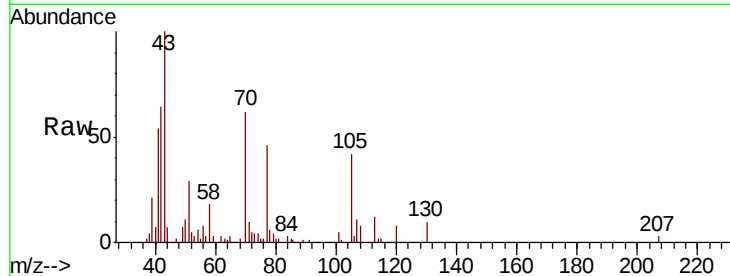
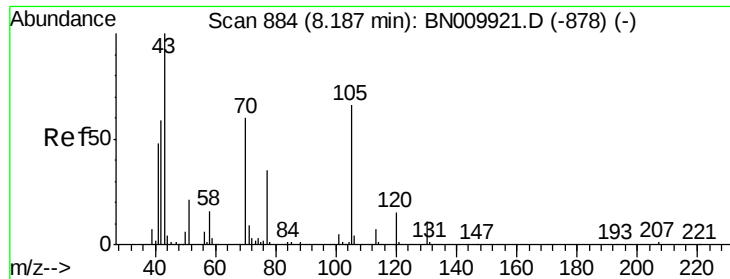
mohammad
2/27/2020 4:56:57 PM



#14
Acetophenone
Concen: 3.824 ng/ul
RT: 8.20 min Scan# 887
Delta R.T. 0.00 min
Lab File: BN009923.D
Acq: 26 Feb 2020 11:30

Tgt Ion:	105	Resp:	47376
Ion Ratio	Lower	Upper	
105	100		
77	87.0	68.9	103.3
51	50.3	35.6	53.4





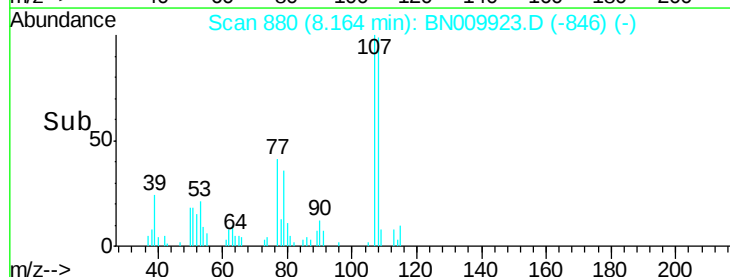
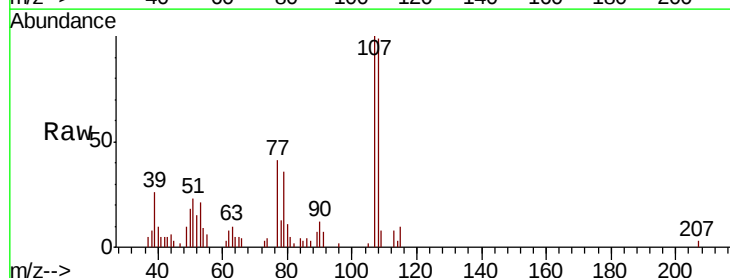
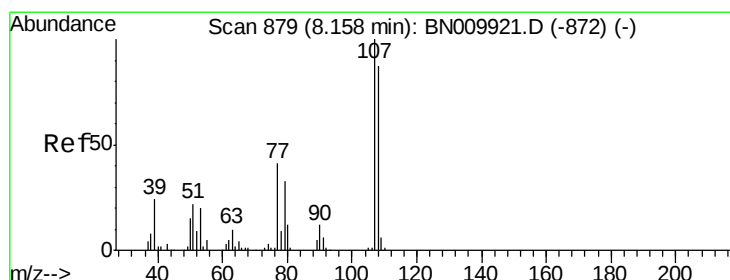
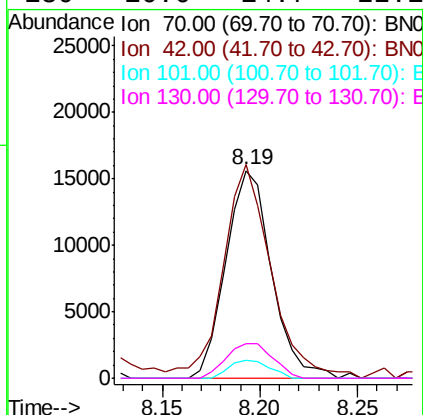
#15
N-Nitroso-di-n-propylamine
Concen: 3.920 ng/ul
RT: 8.19 min Scan# 885
Delta R.T. 0.01 min
Lab File: BN009923.D
Acq: 26 Feb 2020 11:30

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	102.7	72.6	108.8	
101	8.6	7.7	11.5	
130	16.6	14.7	22.1	

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-01

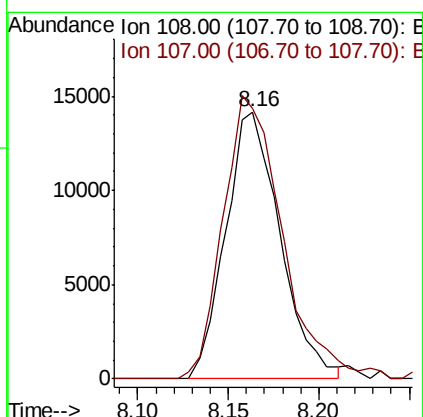
Manual Integrations
APPROVED

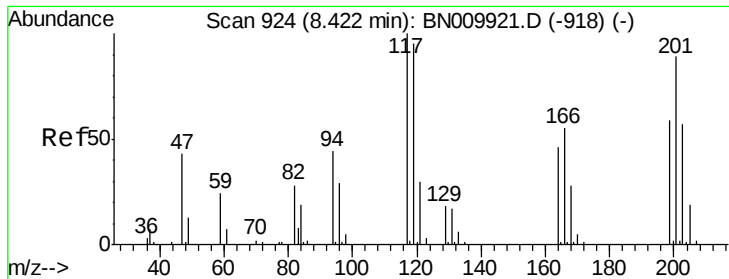
mohammad
2/27/2020 4:56:57 PM



#16
4-Methylphenol
Concen: 3.607 ng/ul
RT: 8.16 min Scan# 880
Delta R.T. 0.00 min
Lab File: BN009923.D
Acq: 26 Feb 2020 11:30

Tgt Ion	Ion	Ratio	Lower	Upper
108	100			
107	101.5	86.4	129.6	





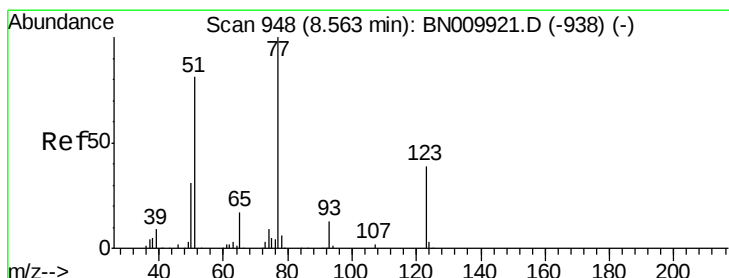
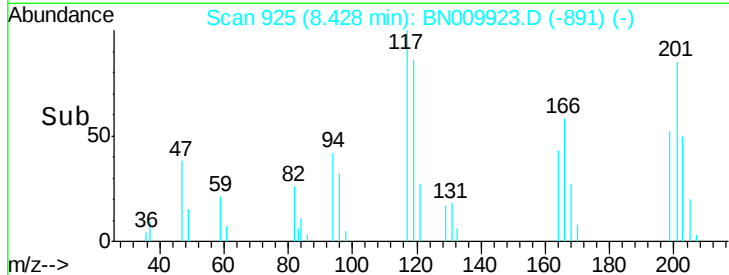
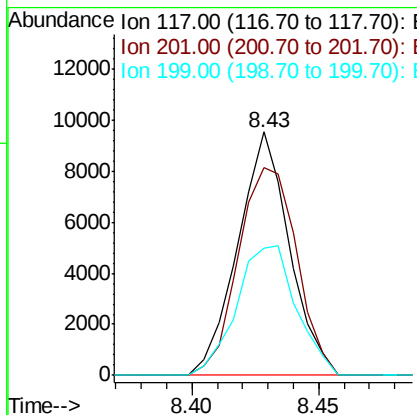
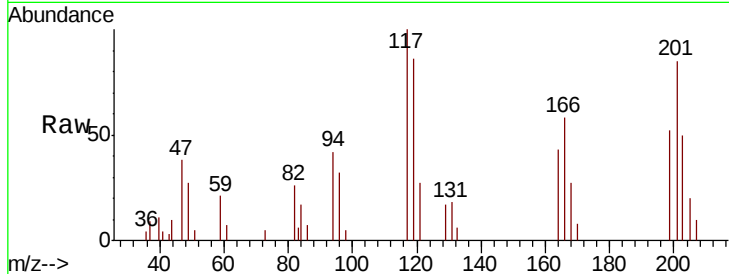
#17
Hexachloroethane
Concen: 3.937 ng/ul
RT: 8.43 min Scan# 925
Delta R.T. 0.00 min
Lab File: BN009923.D
Acq: 26 Feb 2020 11:30

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
117	100		
201	85.2	76.6	115.0
199	52.3	49.1	73.7

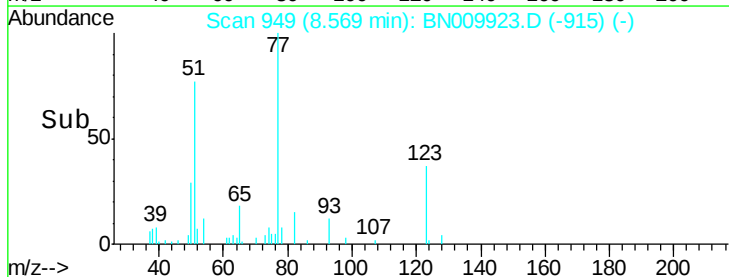
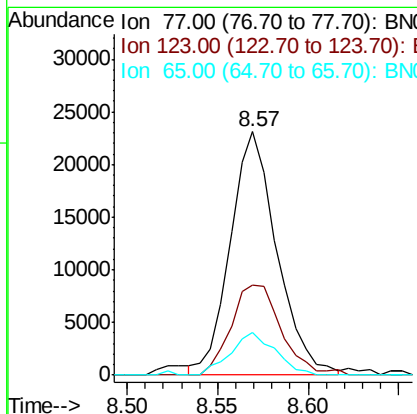
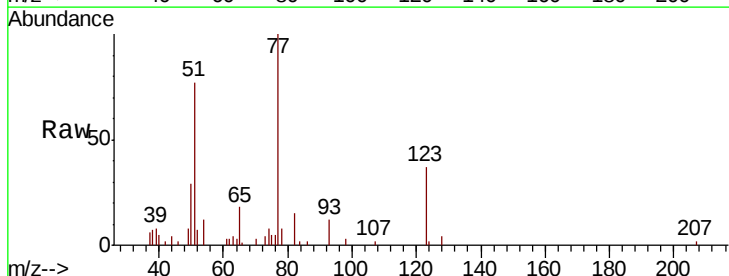
Manual Integrations
APPROVED

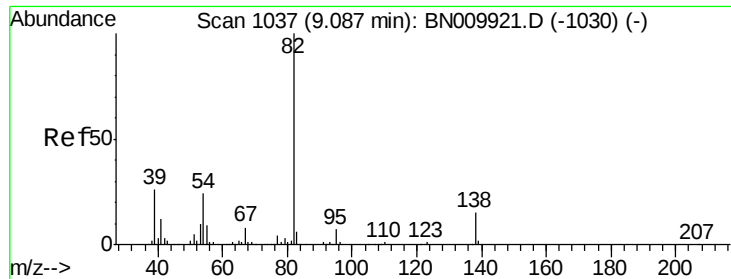
mohammad
2/27/2020 4:56:57 PM



#20
Nitrobenzene
Concen: 3.906 ng/ul
RT: 8.57 min Scan# 949
Delta R.T. 0.00 min
Lab File: BN009923.D
Acq: 26 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
77	100		
123	37.0	30.5	45.7
65	17.8	13.4	20.2





#21

Isophorone

Concen: 3.494 ng/ul

RT: 9.09 min Scan# 1038

Delta R.T. 0.01 min

Lab File: BN009923.D

Acq: 26 Feb 2020 11:30

Instrument :

BNA_N

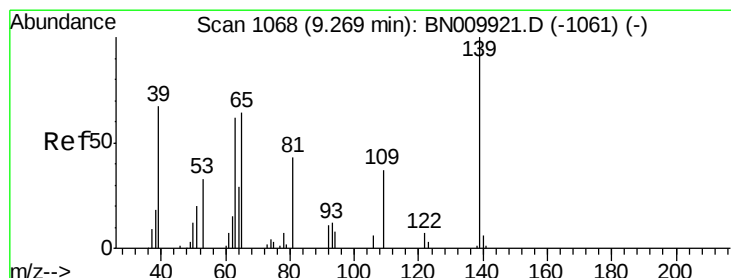
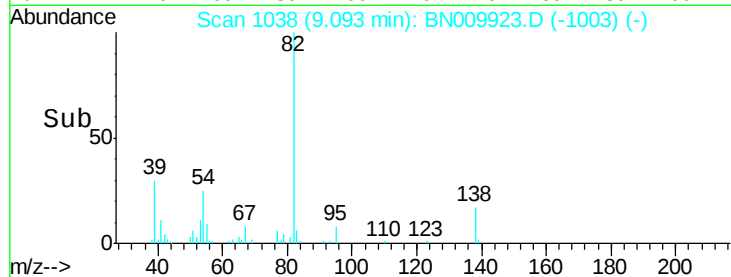
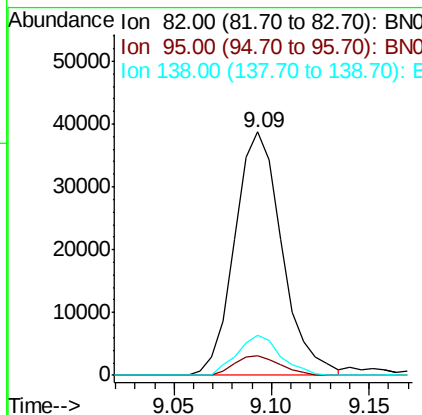
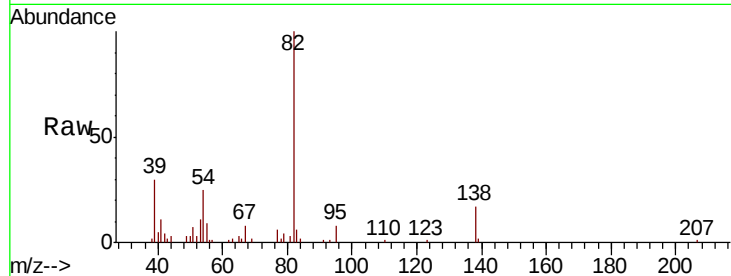
ClientSampleId :

MDL-SOIL-01

Tot Ion:	82	Resp:	65013
Ion Ratio	Lower	Upper	
82	100		
95	8.3	6.0	9.0
138	16.5	12.6	19.0

Manual Integrations
APPROVED

mohammad
2/27/2020 4:56:57 PM



#23

2-Nitrophenol

Concen: 3.664 ng/ul

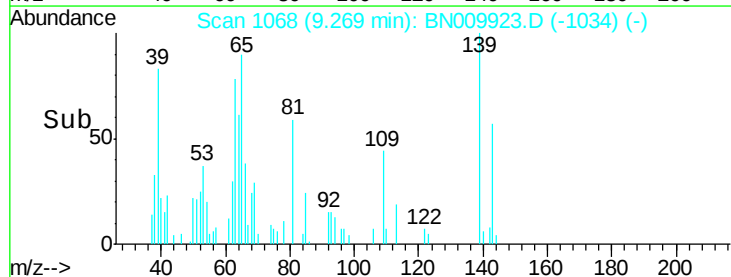
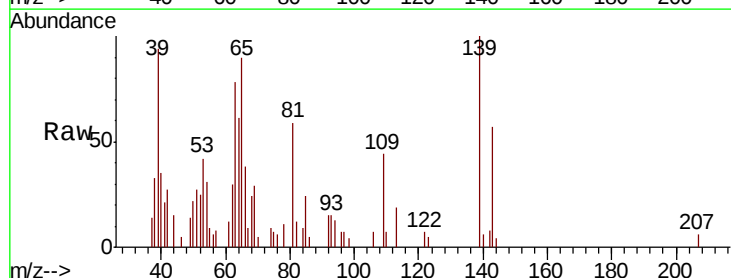
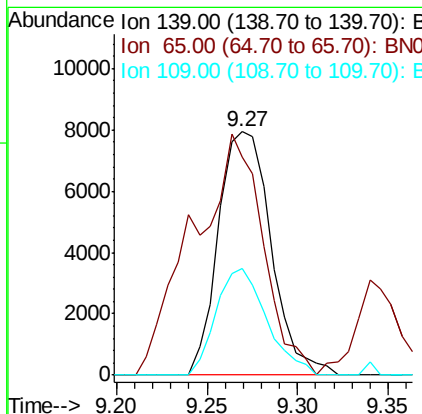
RT: 9.27 min Scan# 1068

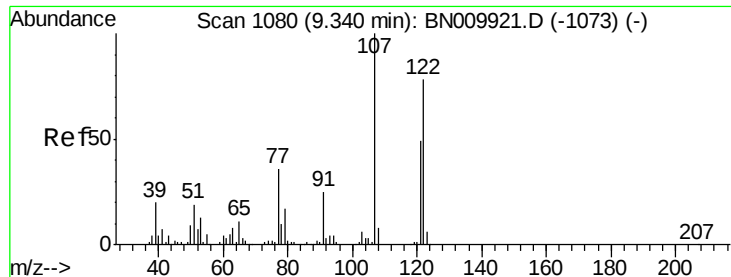
Delta R.T. 0.00 min

Lab File: BN009923.D

Acq: 26 Feb 2020 11:30

Tgt Ion:	139	Resp:	16092
Ion Ratio	Lower	Upper	
139	100		
65	89.5	58.0	87.0#
109	44.0	28.8	43.2#





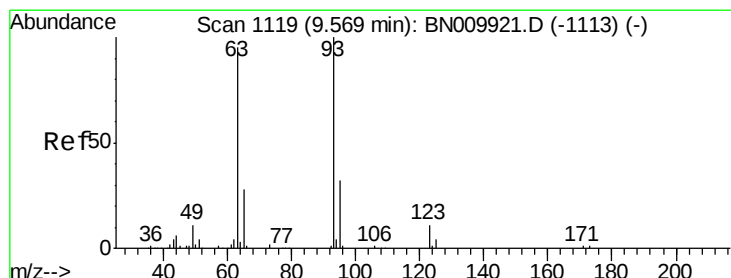
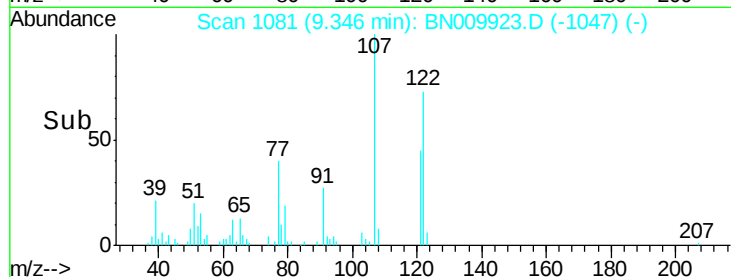
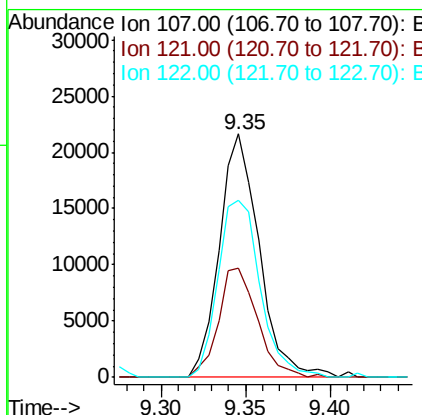
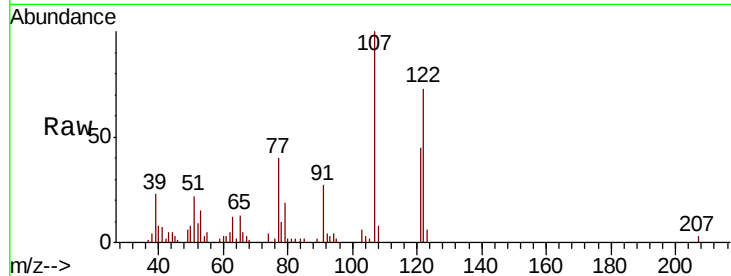
#24
 2,4-Dimethylphenol
 Concen: 3.726 ng/ul
 RT: 9.35 min Scan# 1081
 Delta R.T. 0.00 min
 Lab File: BN009923.D
 Acq: 26 Feb 2020 11:30

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	35529		
121	45.0		38.5	57.7
122	72.9		62.9	94.3

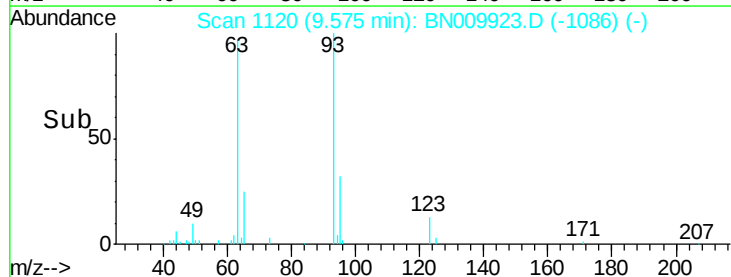
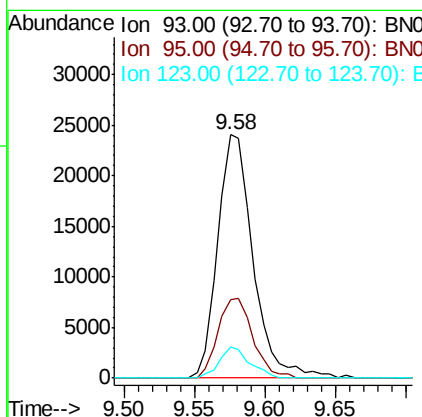
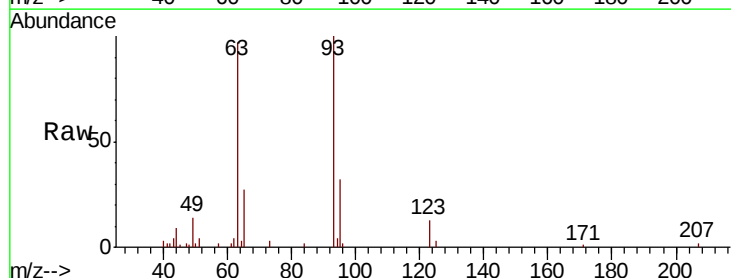
Manual Integrations
 APPROVED

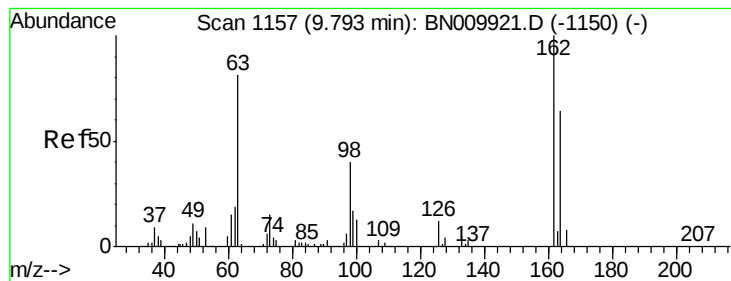
mohammad
 2/27/2020 4:56:57 PM



#25
 Bis(2-Chloroethoxy)methane
 Concen: 3.685 ng/ul
 RT: 9.58 min Scan# 1120
 Delta R.T. 0.00 min
 Lab File: BN009923.D
 Acq: 26 Feb 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	41903		
95	32.4		25.1	37.7
123	12.8		8.9	13.3





#27

2,4-Dichlorophenol

Concen: 3.712 ng/ul

RT: 9.80 min Scan# 1158

Delta R.T. 0.00 min

Lab File: BN009923.D

Acq: 26 Feb 2020 11:30

Instrument :

BNA_N

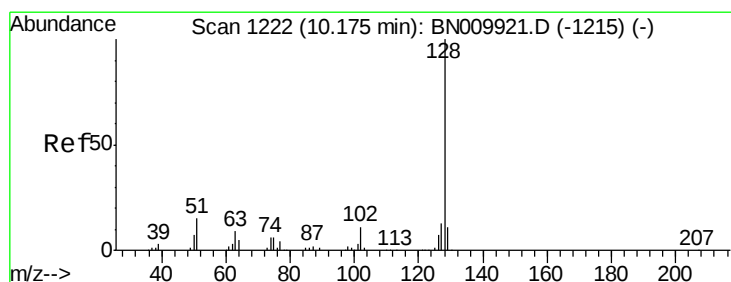
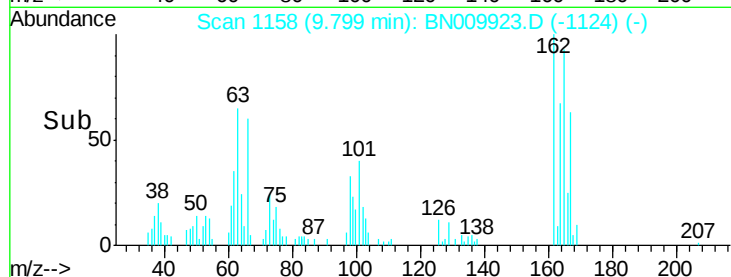
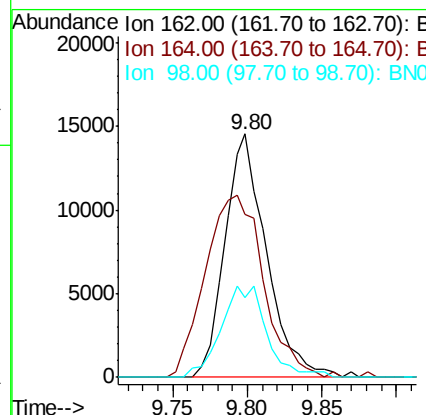
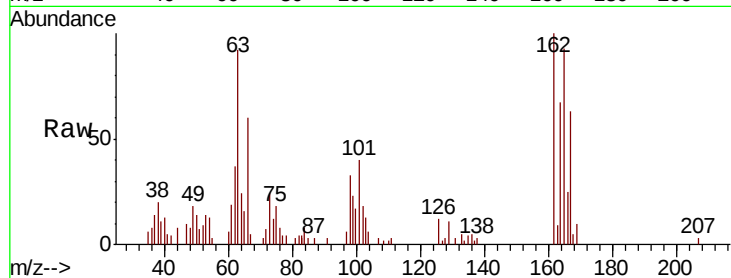
ClientSampleId :

MDL-SOIL-01

Tot Ion:	162	Resp:	28257
Ion Ratio	Lower	Upper	
162	100		
164	66.7	50.5	75.7
98	32.6	28.7	43.1

Manual Integrations
APPROVED

mohammad
2/27/2020 4:56:57 PM



#28

Naphthalene

Concen: 3.797 ng/ul

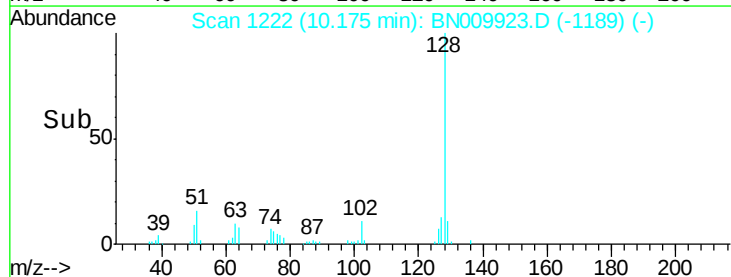
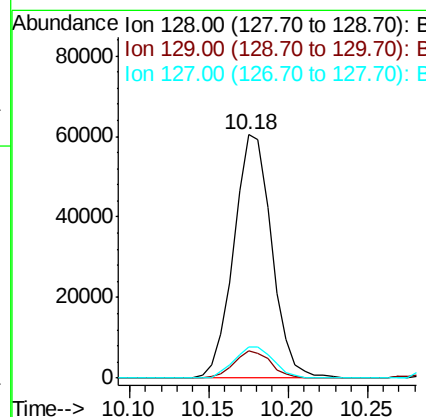
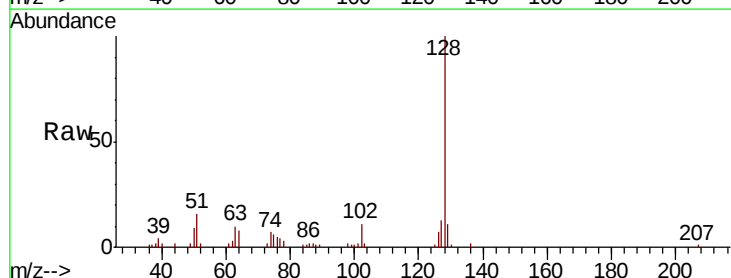
RT: 10.18 min Scan# 1222

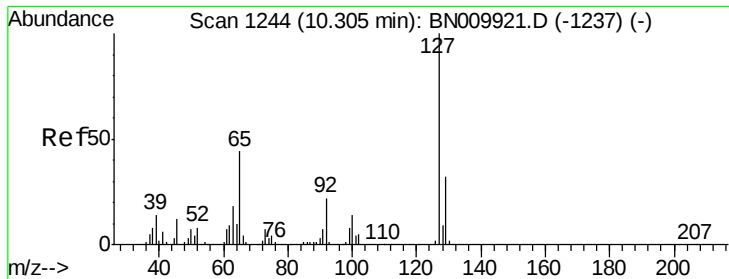
Delta R.T. -0.01 min

Lab File: BN009923.D

Acq: 26 Feb 2020 11:30

Tgt Ion:	128	Resp:	100423
Ion Ratio	Lower	Upper	
128	100		
129	11.4	8.6	13.0
127	12.7	10.3	15.5





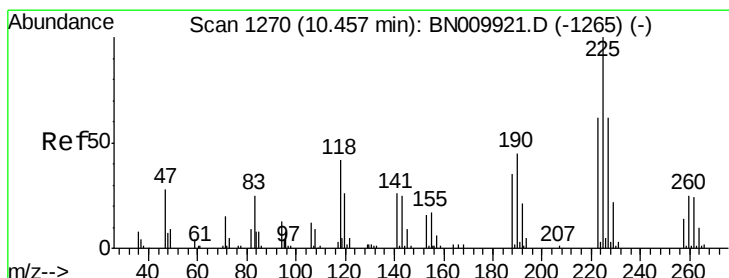
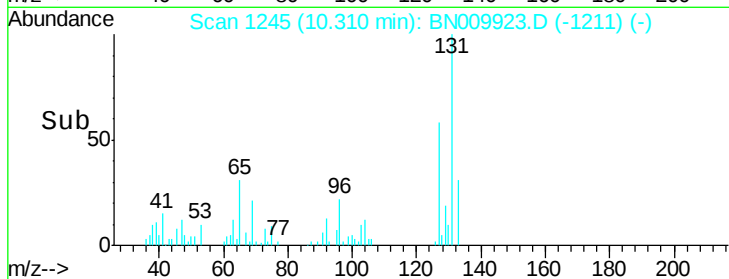
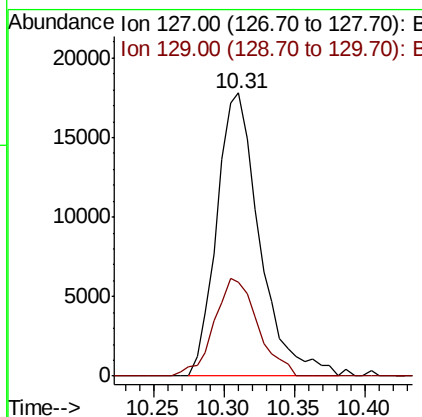
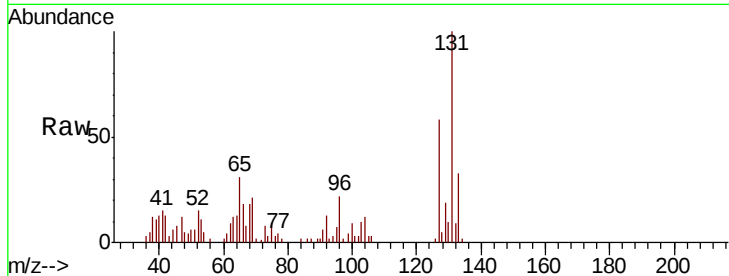
#30
4-Chloroaniline
Concen: 4.339 ng/ul
RT: 10.31 min Scan# 1245
Delta R.T. 0.00 min
Lab File: BN009923.D
Acq: 26 Feb 2020 11:30

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-01

Tot Ion:127 Resp: 37669
Ion Ratio Lower Upper
127 100
129 33.2 24.8 37.2

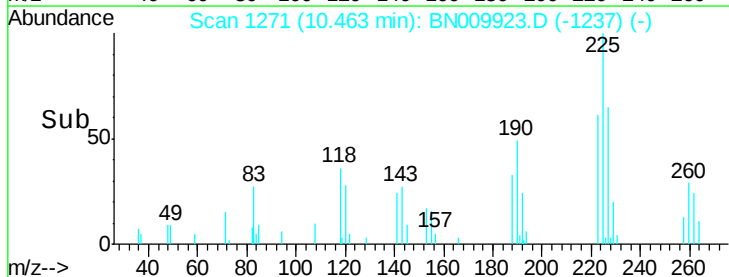
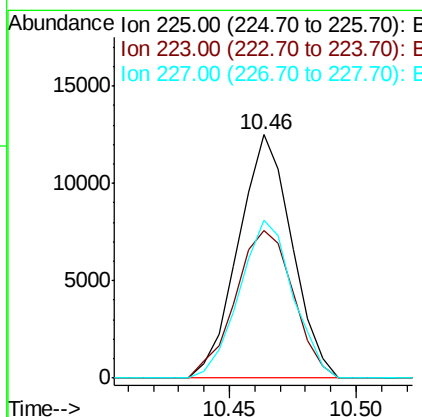
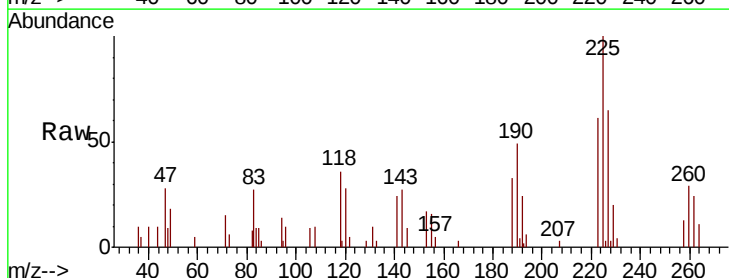
Manual Integrations
APPROVED

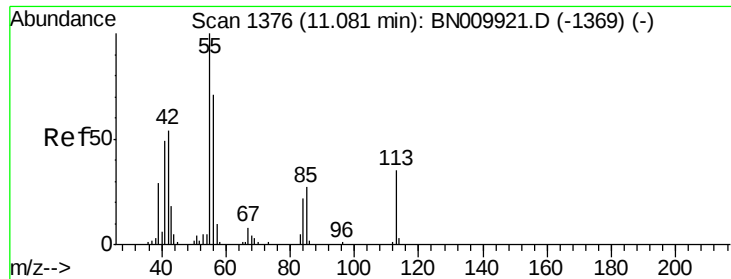
mohammad
2/27/2020 4:56:57 PM



#31
Hexachlorobutadiene
Concen: 3.620 ng/ul
RT: 10.46 min Scan# 1271
Delta R.T. 0.00 min
Lab File: BN009923.D
Acq: 26 Feb 2020 11:30

Tgt Ion:225 Resp: 18429
Ion Ratio Lower Upper
225 100
223 58.8 47.0 70.4
227 62.9 57.3 85.9





#32

Caprolactam

Concen: 2.861 ng/ul m

RT: 11.13 min Scan# 1385

Delta R.T. 0.04 min

Lab File: BN009923.D

Acq: 26 Feb 2020 11:30

Instrument :

BNA_N

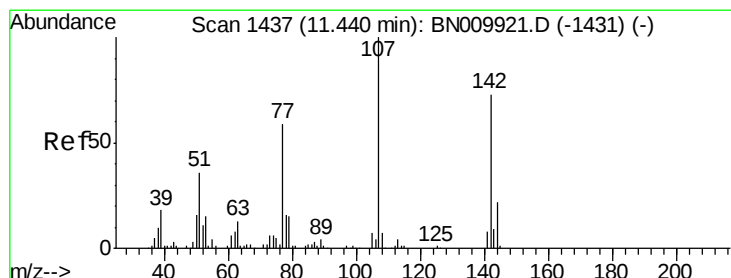
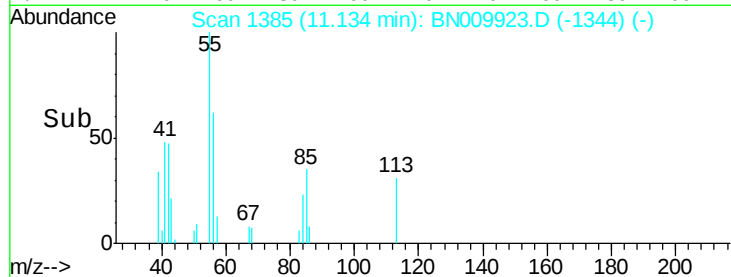
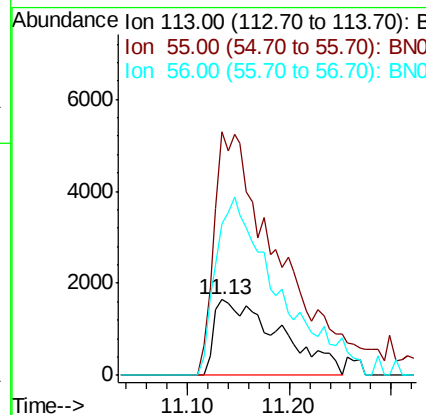
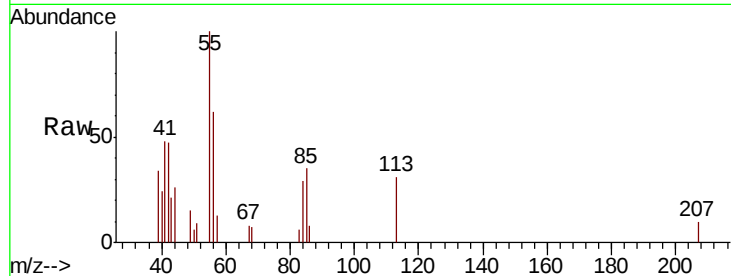
ClientSampleId :

MDL-SOIL-01

Tot Ion:113 Resp: 7304
 Ion Ratio Lower Upper
 113 100
 55 322.1 209.1 313.7#
 56 199.9 161.6 242.4

Manual Integrations
 APPROVED

mohammad
 2/27/2020 4:56:57 PM



#33

4-Chloro-3-methylphenol

Concen: 3.427 ng/ul

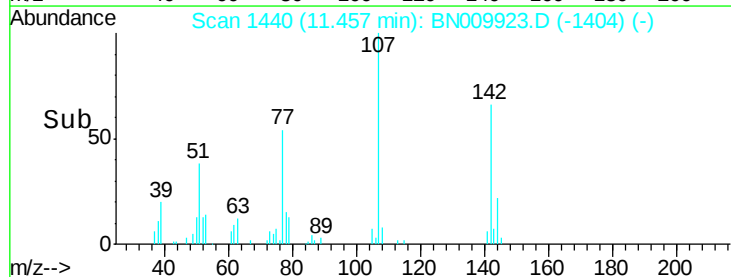
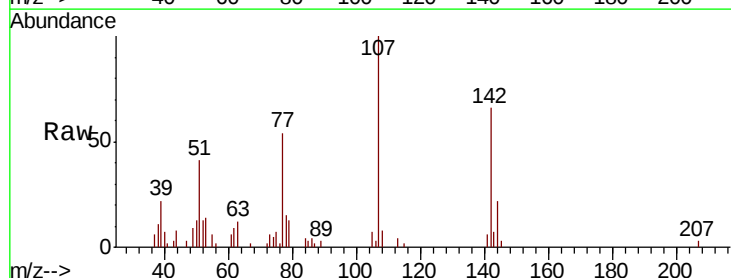
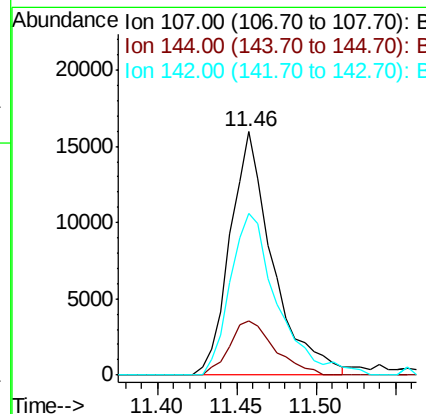
RT: 11.46 min Scan# 1440

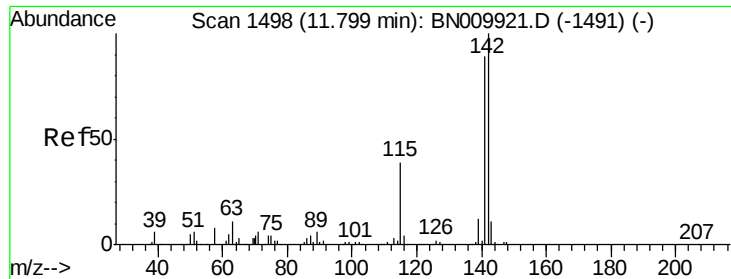
Delta R.T. 0.01 min

Lab File: BN009923.D

Acq: 26 Feb 2020 11:30

Tgt Ion:107 Resp: 29833
 Ion Ratio Lower Upper
 107 100
 144 22.0 19.3 28.9
 142 66.5 59.5 89.3





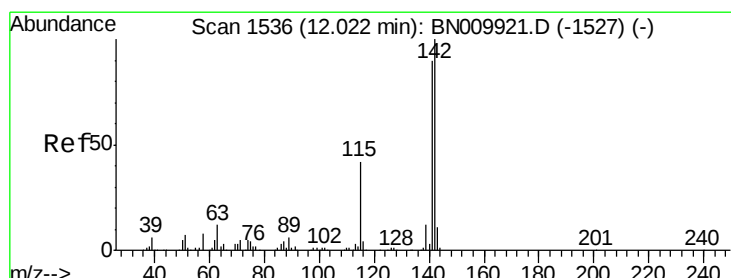
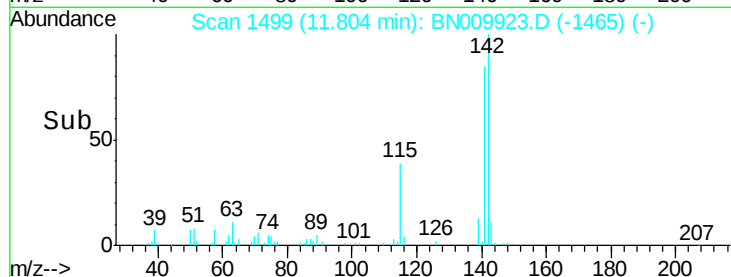
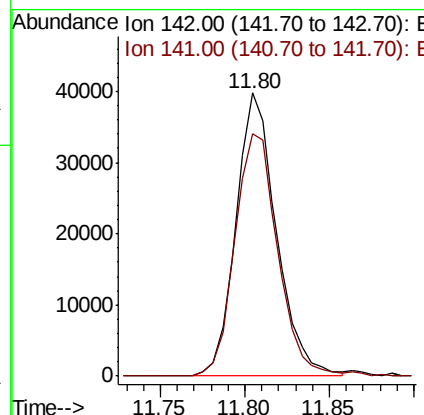
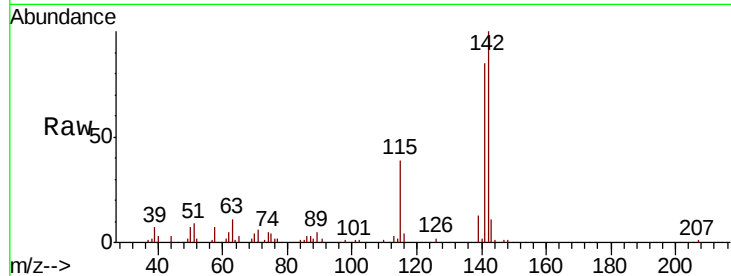
#34
2-Methylnaphthalene
Concen: 3.608 ng/uL
RT: 11.80 min Scan# 1499
Delta R.T. 0.00 min
Lab File: BN009923.D
Acq: 26 Feb 2020 11:30

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-01

Tot Ion:142 Resp: 66257
Ion Ratio Lower Upper
142 100
141 85.5 72.1 108.1

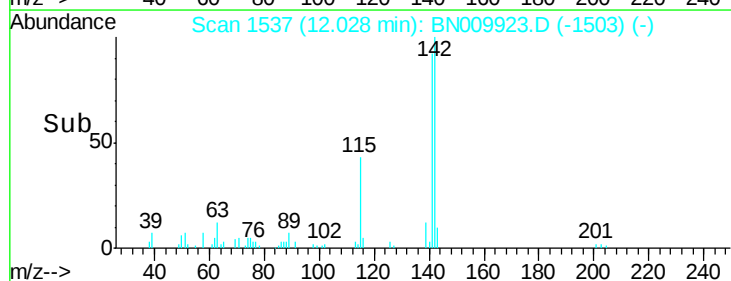
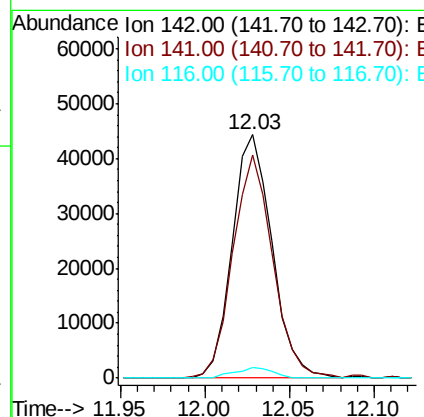
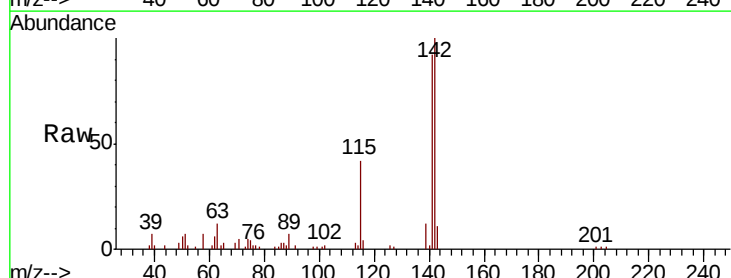
Manual Integrations
APPROVED

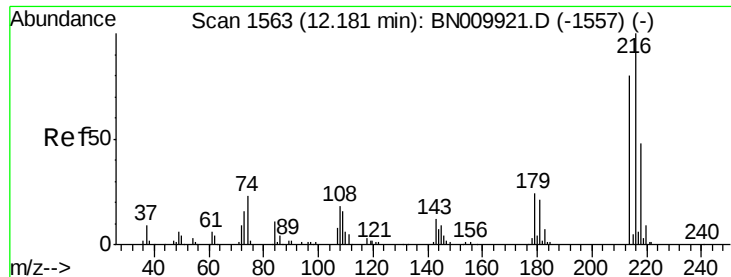
mohammad
2/27/2020 4:56:57 PM



#35
1-Methylnaphthalene
Concen: 3.944 ng/uL
RT: 12.03 min Scan# 1537
Delta R.T. 0.00 min
Lab File: BN009923.D
Acq: 26 Feb 2020 11:30

Tgt Ion:142 Resp: 72601
Ion Ratio Lower Upper
142 100
141 91.9 72.8 109.2
116 3.9 3.2 4.8





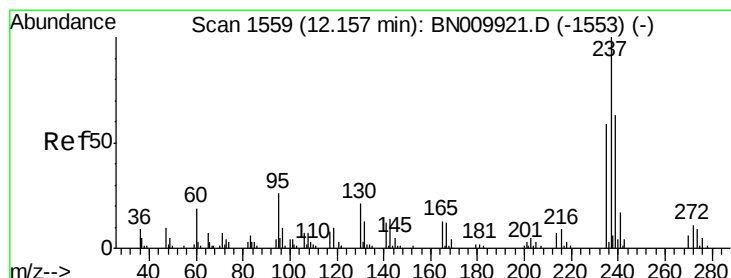
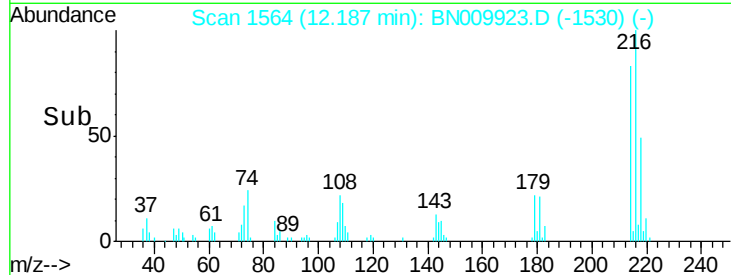
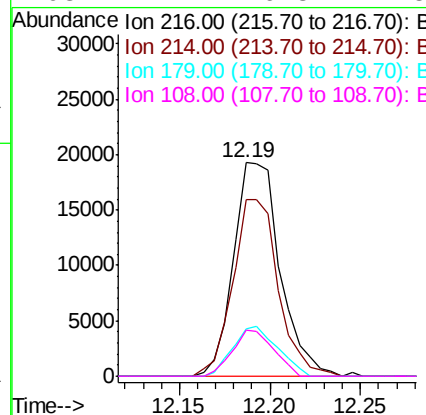
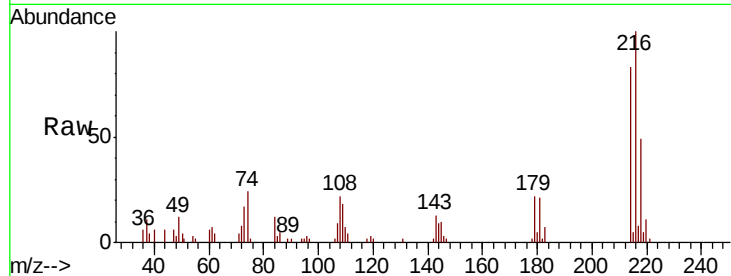
#37
 1,2,4,5-Tetrachlorobenzene
 Concen: 3.656 ng/ul
 RT: 12.19 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: BN009923.D
 Acq: 26 Feb 2020 11:30

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-01

Tot Ion:	216	Resp:	34528
Ion Ratio	Lower	Upper	
216	100		
214	82.7	64.8	97.2
179	22.0	17.6	26.4
108	21.7	16.3	24.5

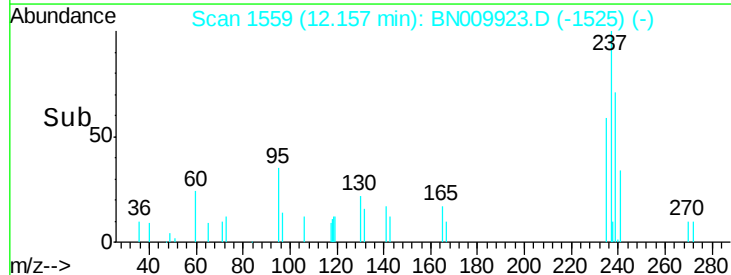
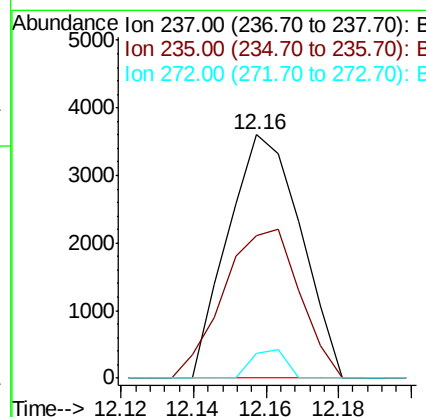
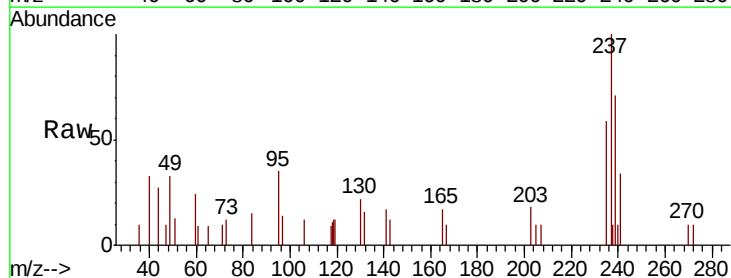
Manual Integrations
 APPROVED

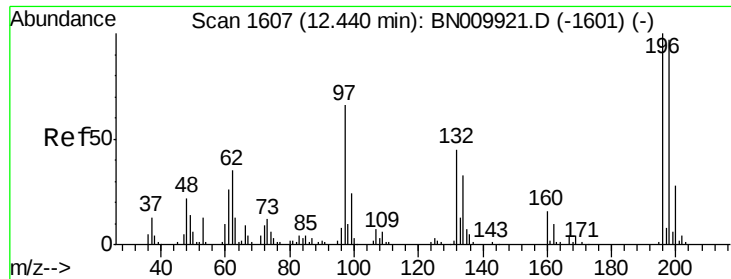
mohammad
 2/27/2020 4:56:57 PM



#38
 Hexachlorocyclopentadiene
 Concen: 1.234 ng/ul
 RT: 12.16 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: BN009923.D
 Acq: 26 Feb 2020 11:30

Tgt Ion:	237	Resp:	5044
Ion Ratio	Lower	Upper	
237	100		
235	53.1	48.3	72.5
272	9.3	9.6	14.4#





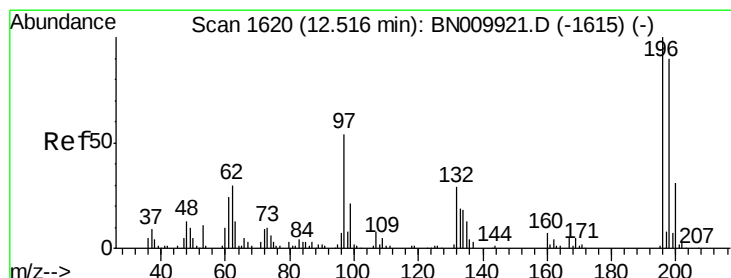
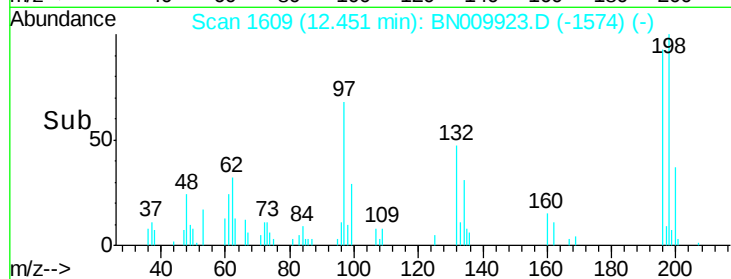
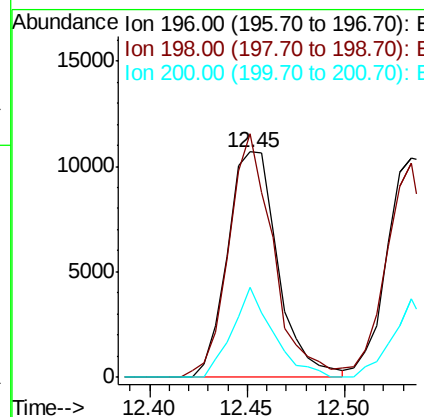
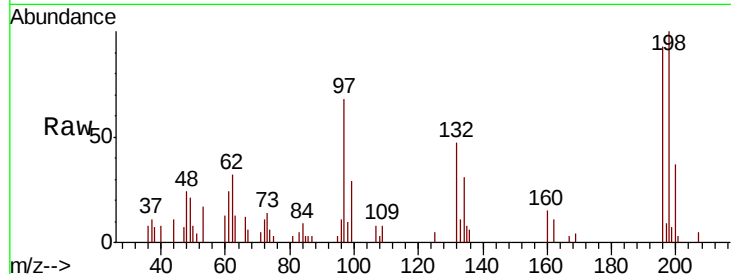
#39
 2,4,6-Trichlorophenol
 Concen: 3.206 ng/ul
 RT: 12.45 min Scan# 1609
 Delta R.T. 0.01 min
 Lab File: BN009923.D
 Acq: 26 Feb 2020 11:30

Instrument :
 BNA_N
 ClientSampled :
 MDL-SOIL-01

Tot Ion	Ratio	Resp	Lower	Upper
196	100	19219		
198	107.9	77.2	115.8	
200	40.1	26.8	40.2	

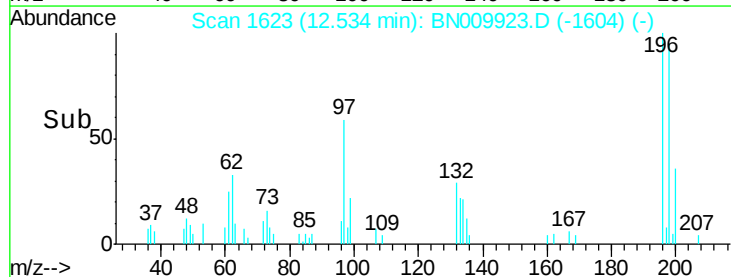
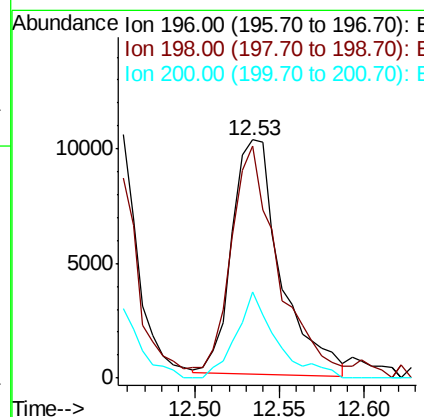
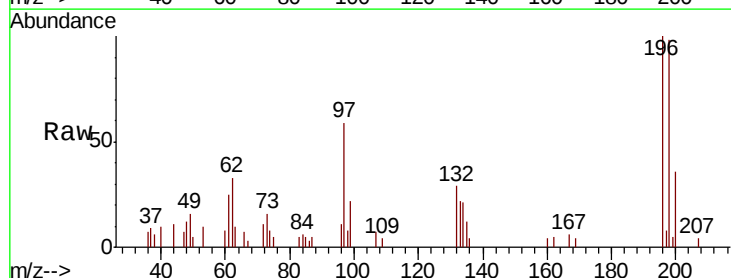
Manual Integrations
 APPROVED

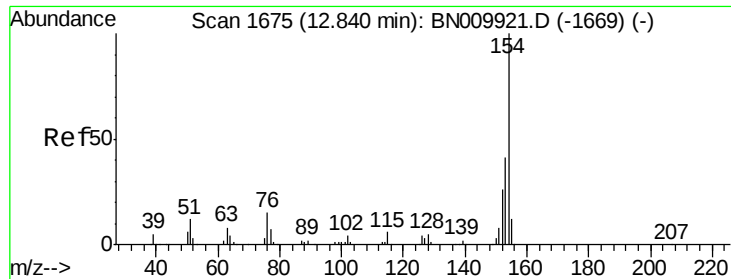
mohammad
 2/27/2020 4:56:57 PM



#40
 2,4,5-Trichlorophenol
 Concen: 3.213 ng/ul
 RT: 12.53 min Scan# 1623
 Delta R.T. 0.01 min
 Lab File: BN009923.D
 Acq: 26 Feb 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	20661		
198	97.6	75.0	112.6	
200	35.9	24.2	36.4	





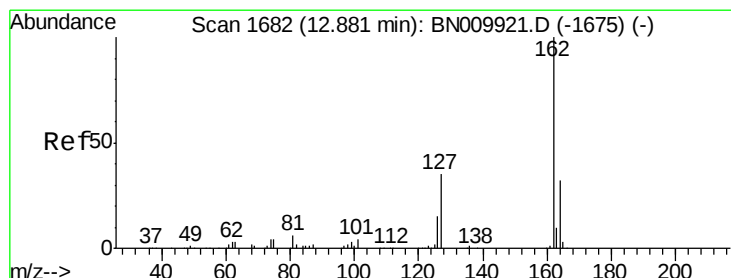
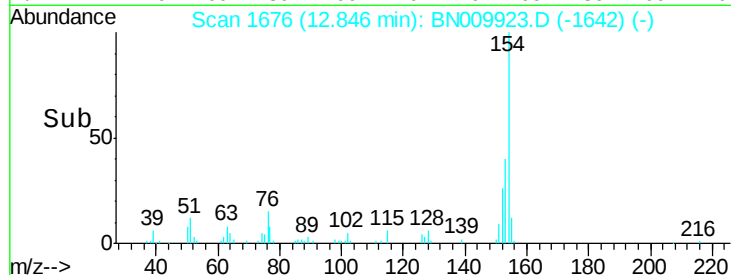
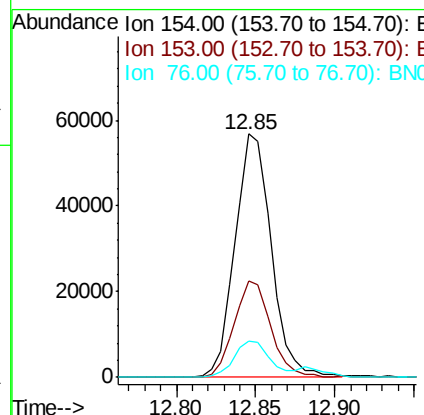
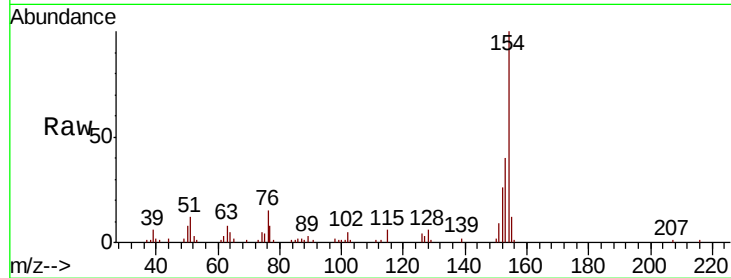
#41
 1,1'-Biphenyl
 Concen: 3.696 ng/ul
 RT: 12.85 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: BN009923.D
 Acq: 26 Feb 2020 11:30

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-01

Tot Ion:	154	Resp:	90456
Ion Ratio	Lower	Upper	
154	100		
153	39.6	33.2	49.8
76	14.6	11.0	16.4

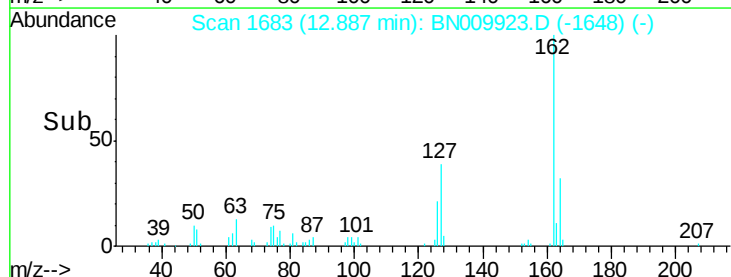
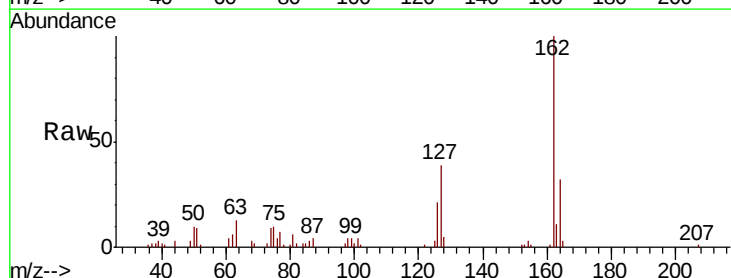
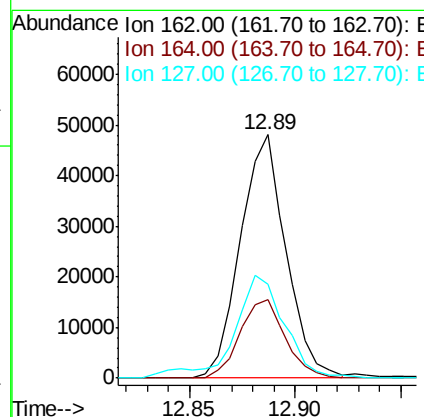
Manual Integrations
 APPROVED

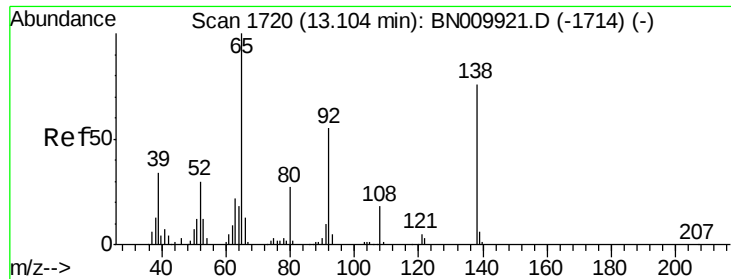
mohammad
 2/27/2020 4:56:57 PM



#42
 2-Chloronaphthalene
 Concen: 3.704 ng/ul
 RT: 12.89 min Scan# 1683
 Delta R.T. 0.01 min
 Lab File: BN009923.D
 Acq: 26 Feb 2020 11:30

Tgt Ion:	162	Resp:	72000
Ion Ratio	Lower	Upper	
162	100		
164	32.3	25.7	38.5
127	38.8	31.4	47.2





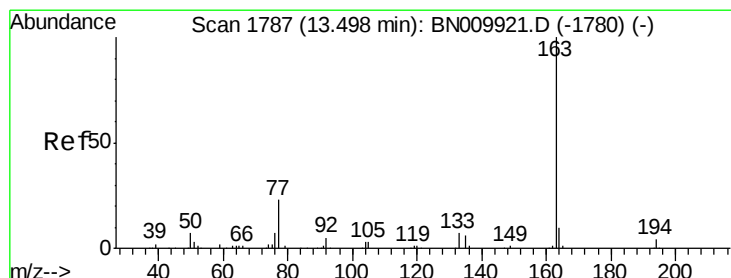
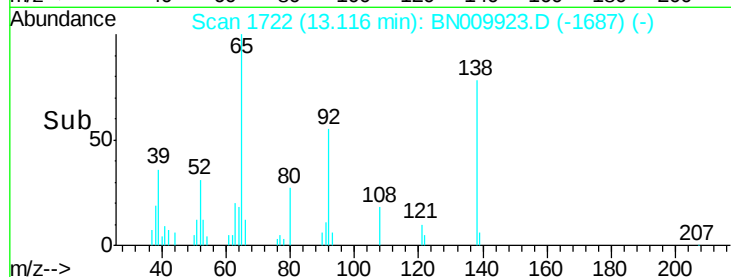
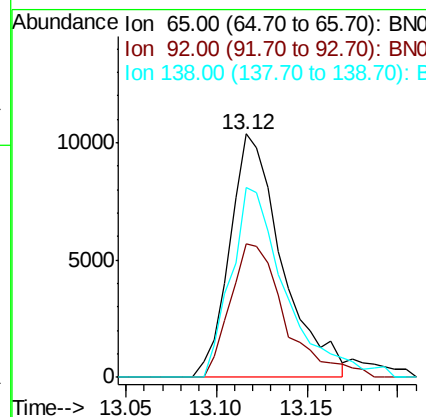
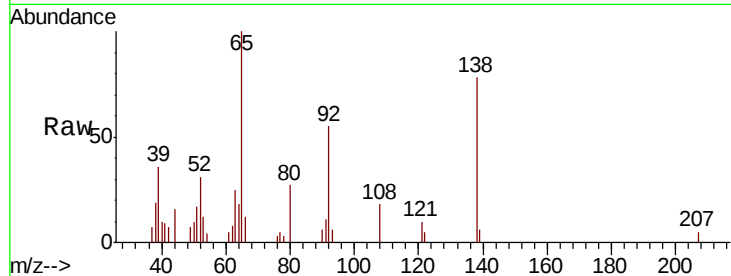
#43
2-Nitroaniline
Concen: 2.939 ng/ul
RT: 13.12 min Scan# 1722
Delta R.T. 0.01 min
Lab File: BN009923.D
Acq: 26 Feb 2020 11:30

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
65	100		
92	55.1	43.6	65.4
138	78.1	61.3	91.9

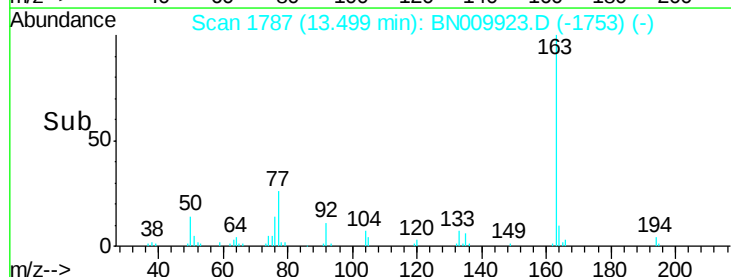
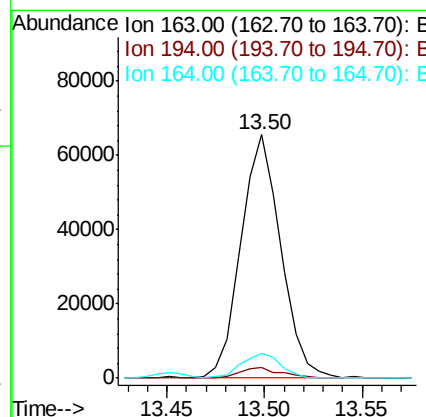
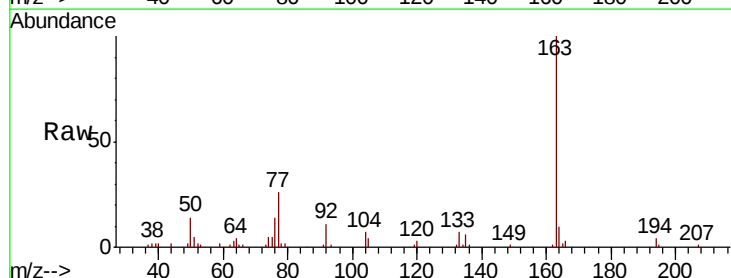
Manual Integrations
APPROVED

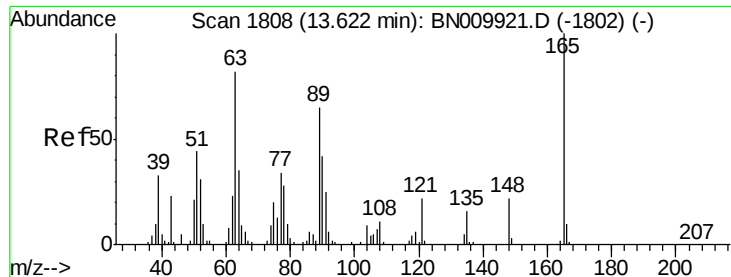
mohammad
2/27/2020 4:56:57 PM



#45
Dimethylphthalate
Concen: 3.730 ng/ul
RT: 13.50 min Scan# 1787
Delta R.T. 0.00 min
Lab File: BN009923.D
Acq: 26 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.0
164	10.2	8.0	12.0





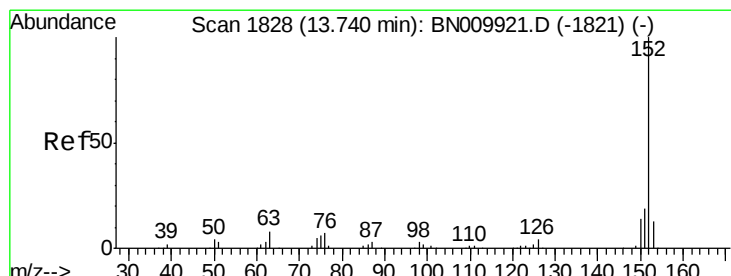
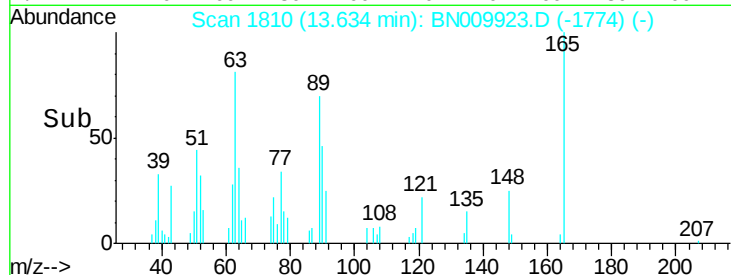
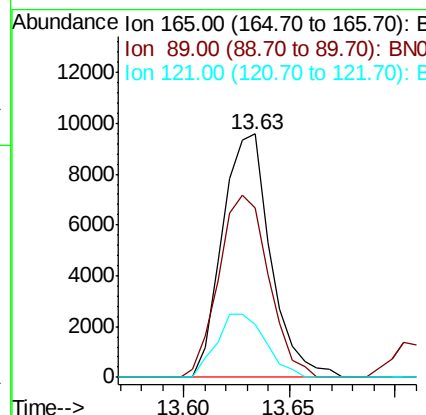
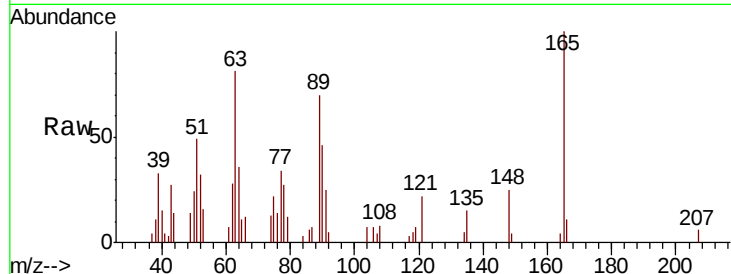
#46
2,6-Dinitrotoluene
Concen: 3.116 ng/ul
RT: 13.63 min Scan# 1810
Delta R.T. 0.01 min
Lab File: BN009923.D
Acq: 26 Feb 2020 11:30

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
165	100		
89	69.6	54.1	81.1
121	21.9	18.1	27.1

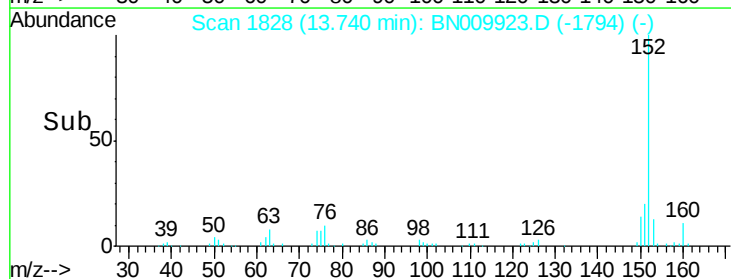
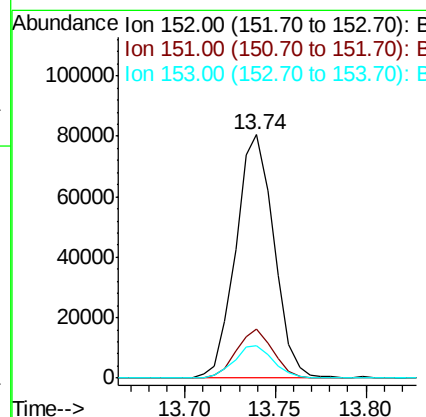
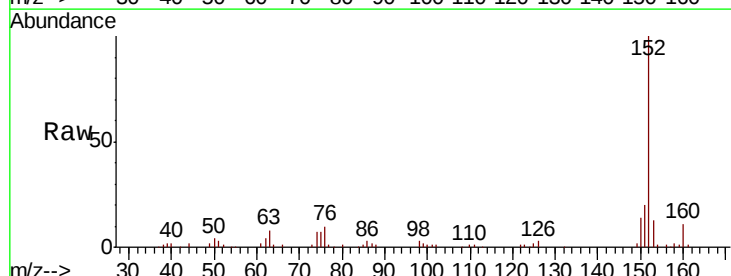
Manual Integrations
APPROVED

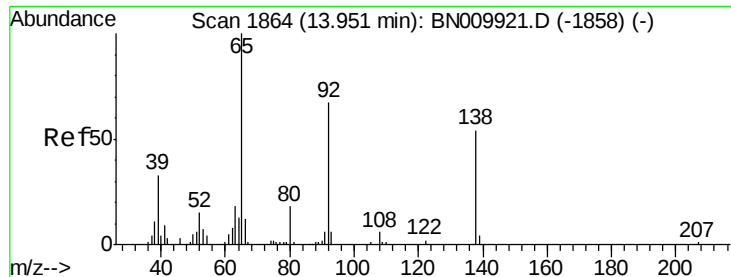
mohammad
2/27/2020 4:56:57 PM



#48
Acenaphthylene
Concen: 3.883 ng/ul
RT: 13.74 min Scan# 1828
Delta R.T. 0.00 min
Lab File: BN009923.D
Acq: 26 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.7	23.5
153	13.3	10.3	15.5





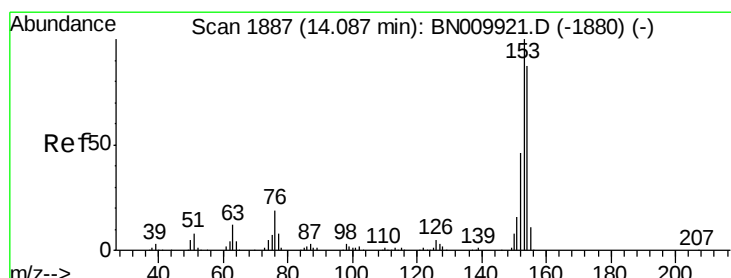
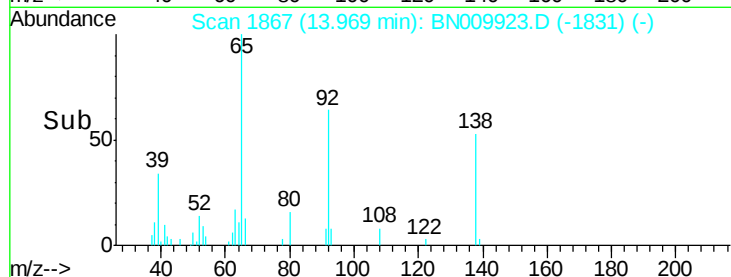
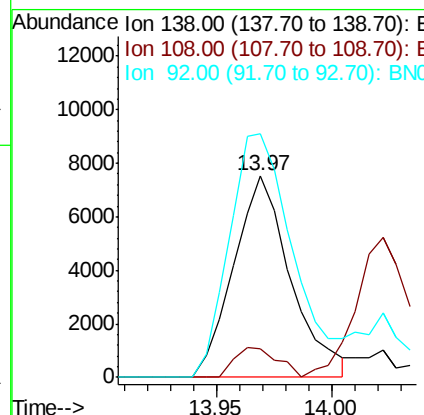
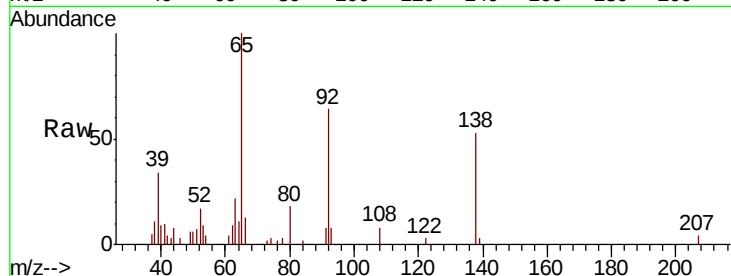
#49
3-Nitroaniline
Concen: 2.891 ng/ul
RT: 13.97 min Scan# 1867
Delta R.T. 0.01 min
Lab File: BN009923.D
Acq: 26 Feb 2020 11:30

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
138	100		
108	14.2	8.9	13.3#
92	120.8	99.2	148.8

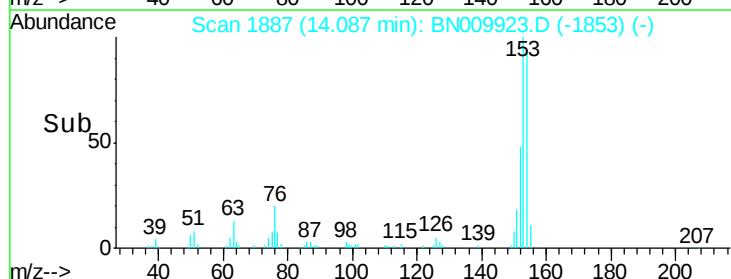
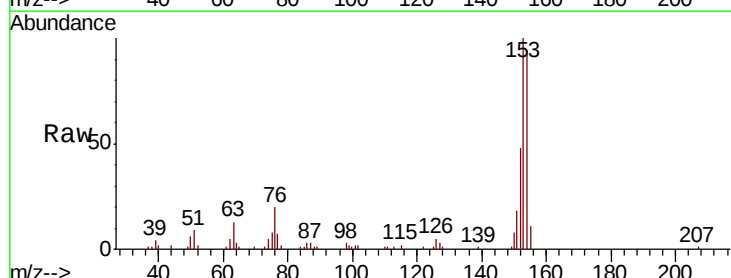
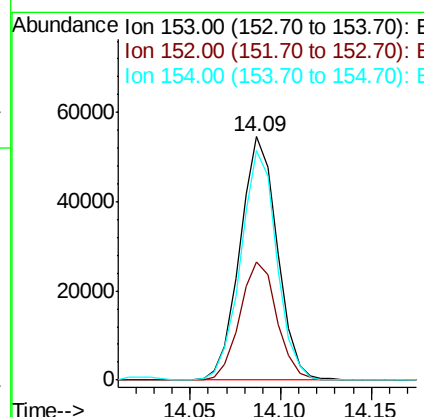
Manual Integrations
APPROVED

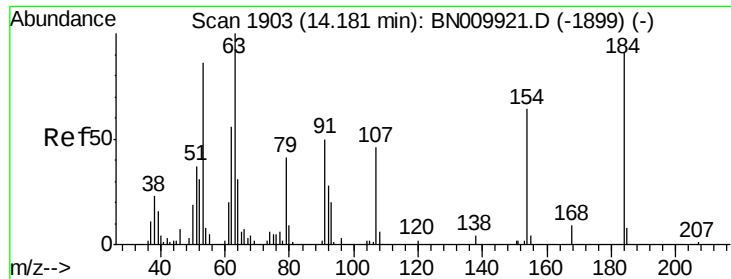
mohammad
2/27/2020 4:56:57 PM



#50
Acenaphthene
Concen: 3.758 ng/ul
RT: 14.09 min Scan# 1887
Delta R.T. 0.00 min
Lab File: BN009923.D
Acq: 26 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.3	36.6	54.8
154	94.4	70.6	106.0





#51

2,4-Dinitrophenol

Concen: 1.163 ng/ul

RT: 14.21 min Scan# 1908

Delta R.T. 0.02 min

Lab File: BN009923.D

Acq: 26 Feb 2020 11:30

Instrument :

BNA_N

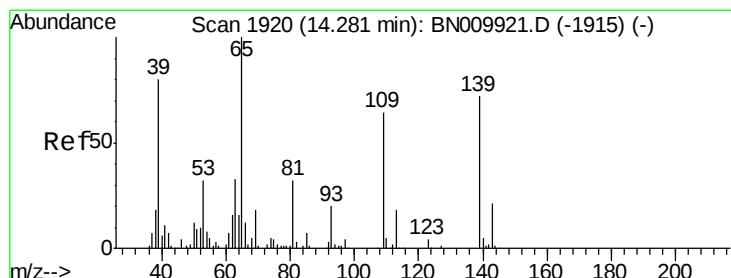
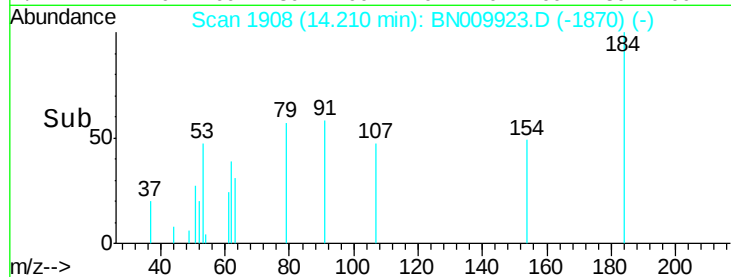
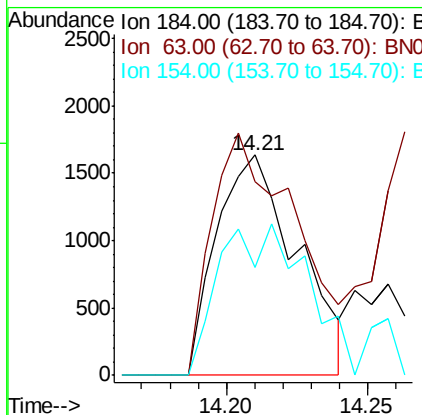
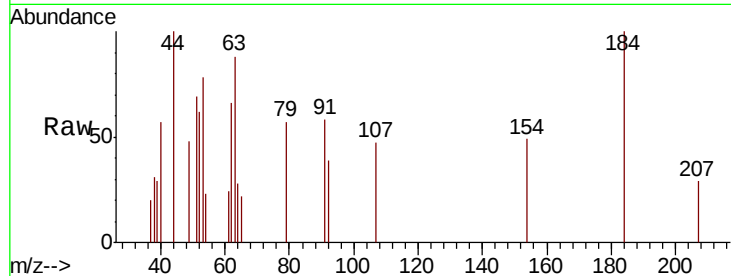
ClientSampled :

MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
184	100		
63	88.0	83.0	124.6
154	49.3	54.9	82.3#

Manual Integrations
APPROVED

mohammad
2/27/2020 4:56:57 PM



#53

4-Nitrophenol

Concen: 3.491 ng/ul

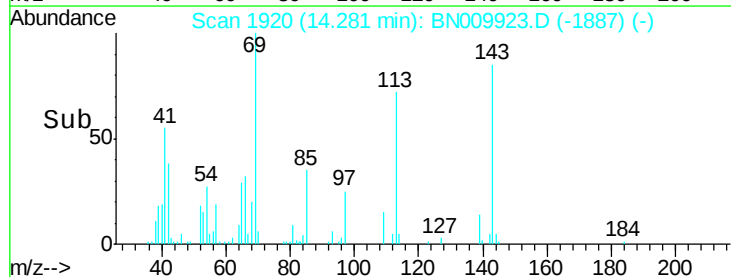
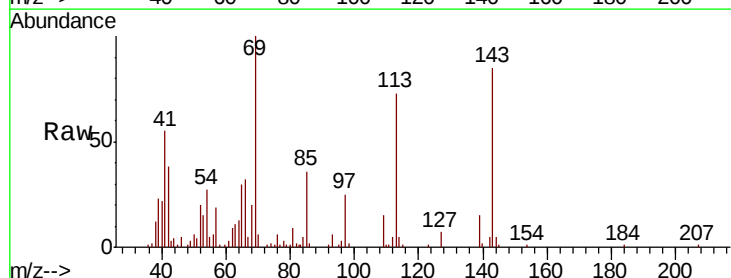
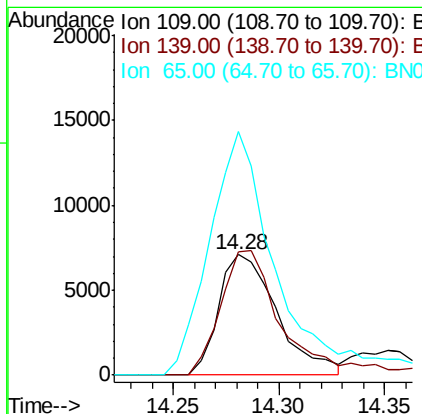
RT: 14.28 min Scan# 1920

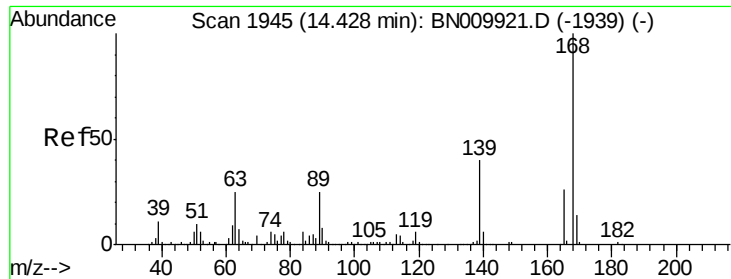
Delta R.T. -0.01 min

Lab File: BN009923.D

Acq: 26 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
109	100		
139	102.3	96.3	144.5
65	201.8	129.9	194.9#





#54

Dibenzo(f,h)quinoxaline

Concen: 3.754 ng/ul

RT: 14.43 min Scan# 1946

Delta R.T. 0.01 min

Lab File: BN009923.D

Acq: 26 Feb 2020 11:30

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-01

Tot Ion:168 Resp: 109583

Ion Ratio Lower Upper

168 100

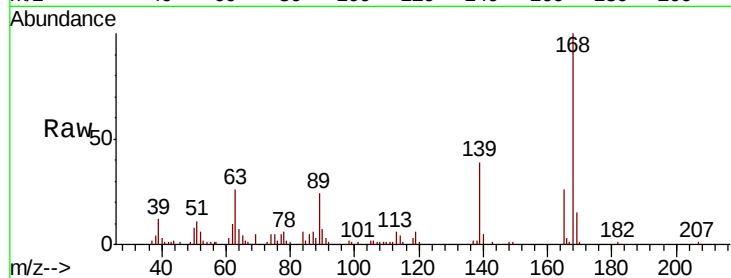
139 39.4 32.7 49.1

Manual Integrations

APPROVED

mohammad

2/27/2020 4:56:57 PM



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.43

80000

60000

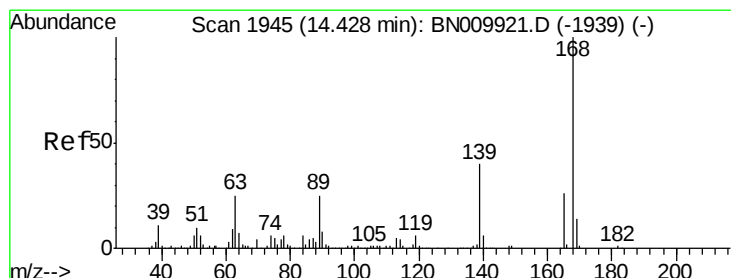
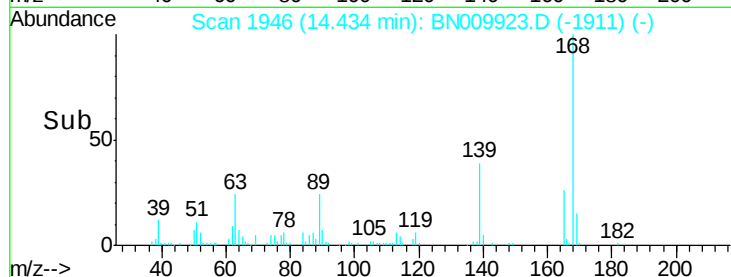
40000

20000

0

14.35 14.40 14.45 14.50

Time-->



#55

2,4-Dinitrotoluene

Concen: 3.455 ng/ul

RT: 14.43 min Scan# 1946

Delta R.T. 0.00 min

Lab File: BN009923.D

Acq: 26 Feb 2020 11:30

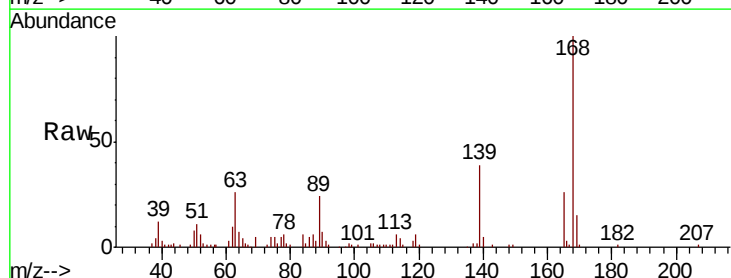
Tgt Ion:165 Resp: 24893

Ion Ratio Lower Upper

165 100

63 100.3 68.3 102.5

182 3.1 2.2 3.4



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BN0

Ion 182.00 (181.70 to 182.70): E

14.43

25000

20000

15000

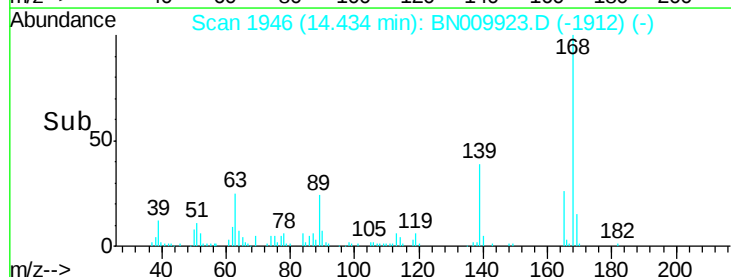
10000

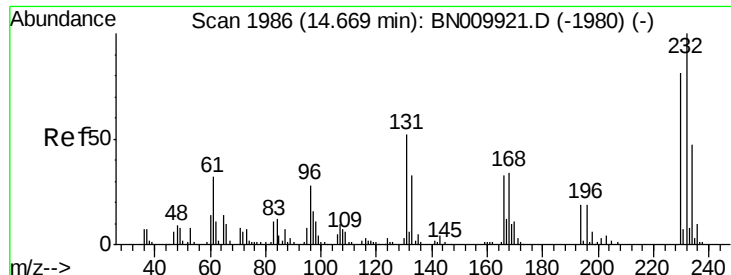
5000

0

14.40 14.45

Time-->





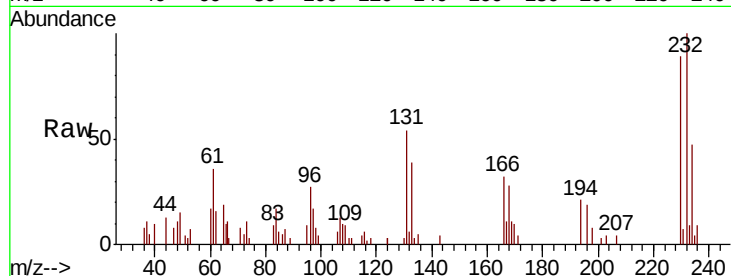
#56
2,3,4,6-Tetrachlorophenol
Concen: 3.331 ng/ul
RT: 14.67 min Scan# 1987
Delta R.T. 0.01 min
Lab File: BN009923.D
Acq: 26 Feb 2020 11:30

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-01

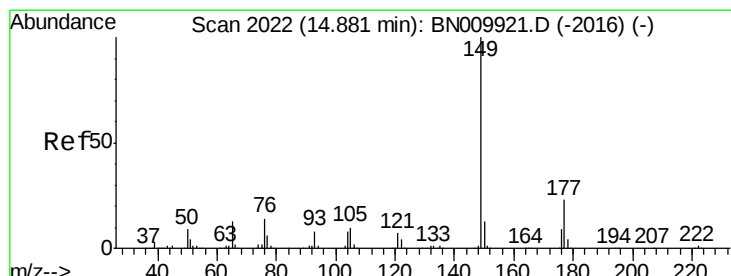
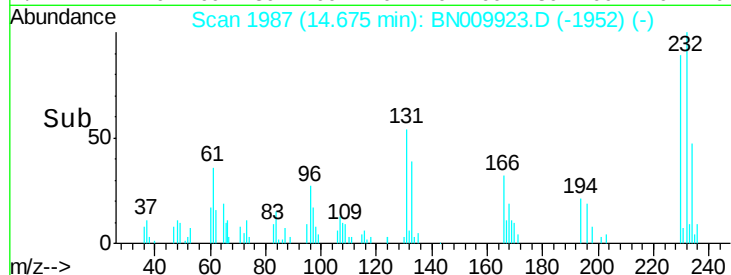
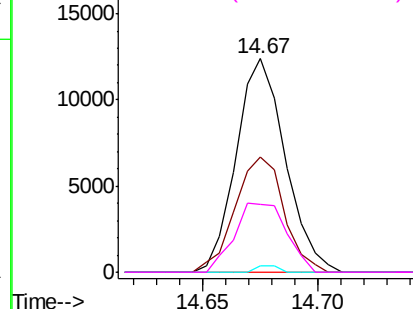
Tot Ion:	232	Resp:	18416
Ion Ratio	Lower	Upper	
232	100		
131	54.2	40.6	60.8
130	2.9	2.2	3.4
166	31.6	26.6	39.8

Manual Integrations
APPROVED

mohammad
2/27/2020 4:56:57 PM



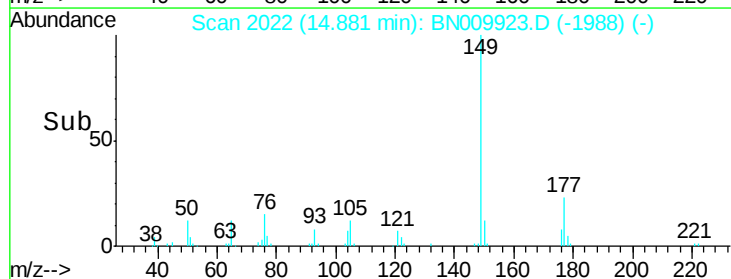
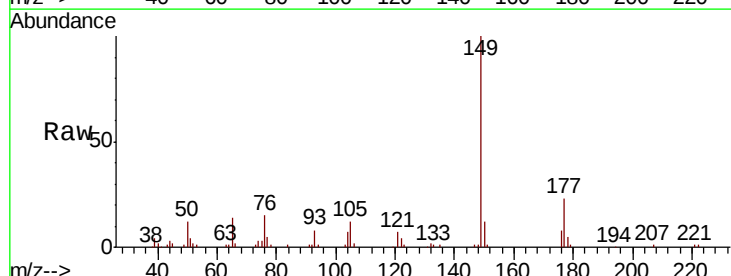
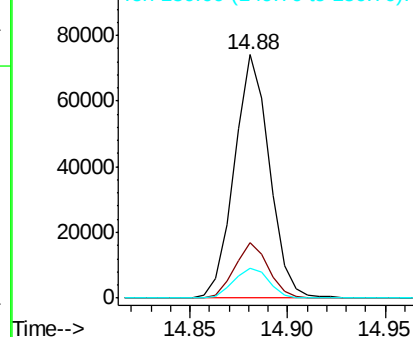
Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

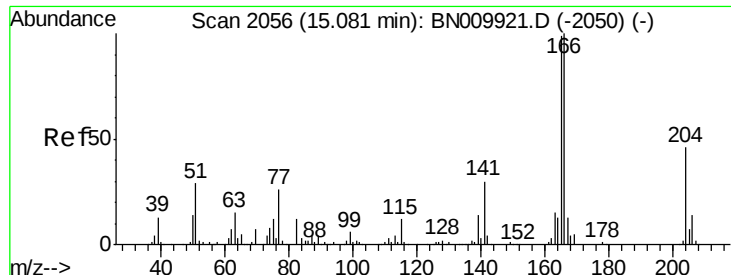


#57
Diethylphthalate
Concen: 3.621 ng/ul
RT: 14.88 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BN009923.D
Acq: 26 Feb 2020 11:30

Tgt Ion:	149	Resp:	92333
Ion Ratio	Lower	Upper	
149	100		
177	22.6	17.8	26.6
150	12.3	9.8	14.6

Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E





#59

Fluorene

Concen: 3.748 ng/ul

RT: 15.09 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BN009923.D

Acq: 26 Feb 2020 11:30

Instrument :

BNA_N

ClientSampled :

MDL-SOIL-01

Tot Ion:166 Resp: 91818

Ion Ratio Lower Upper

166 100

165 96.6 79.8 119.8

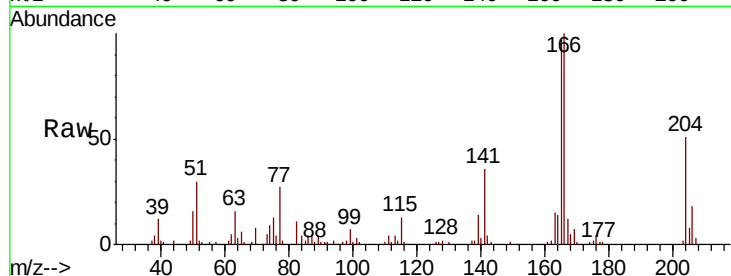
167 12.2 10.7 16.1

Manual Integrations

APPROVED

mohammad

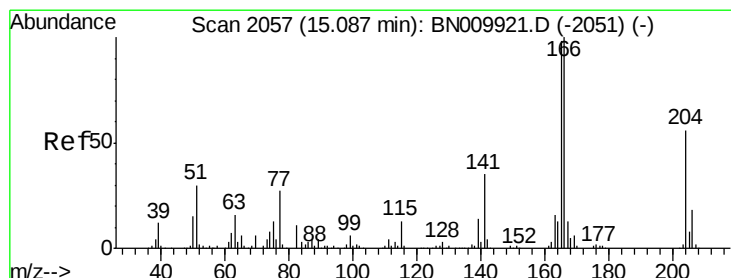
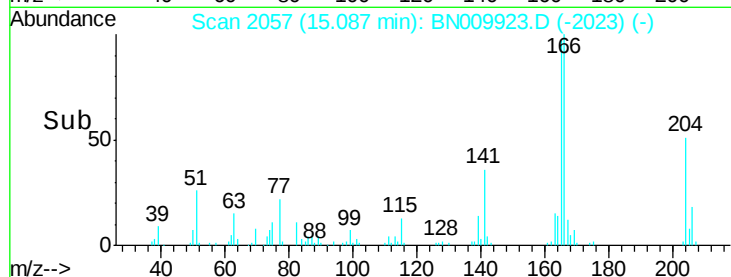
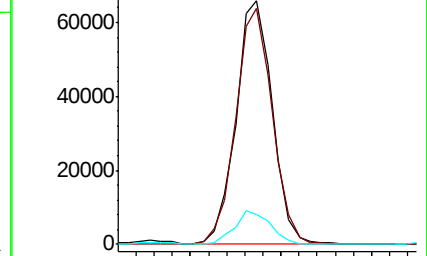
2/27/2020 4:56:57 PM



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



#60

4-Chlorophenyl-phenylether

Concen: 3.699 ng/ul

RT: 15.09 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BN009923.D

Acq: 26 Feb 2020 11:30

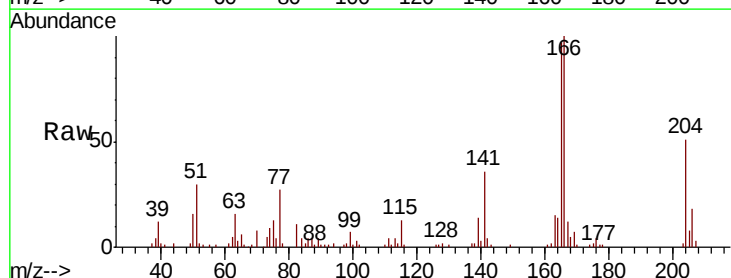
Tgt Ion:204 Resp: 44692

Ion Ratio Lower Upper

204 100

206 34.4 26.5 39.7

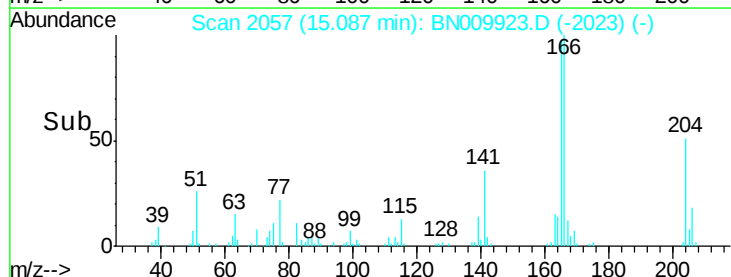
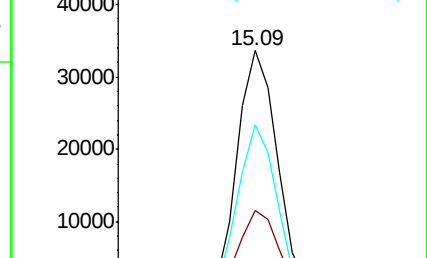
141 69.8 48.8 73.2

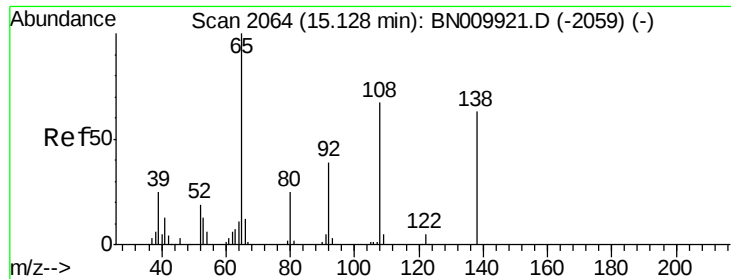


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 2.327 ng/ul

RT: 15.14 min Scan# 2066

Delta R.T. 0.01 min

Lab File: BN009923.D

Acq: 26 Feb 2020 11:30

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-01

Tot Ion:138 Resp: 12737

Ion Ratio Lower Upper

138 100

92 48.4 47.8 71.6

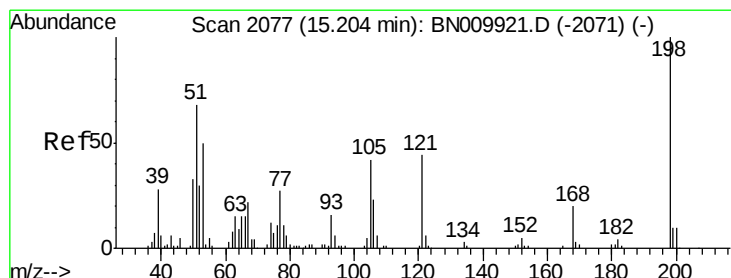
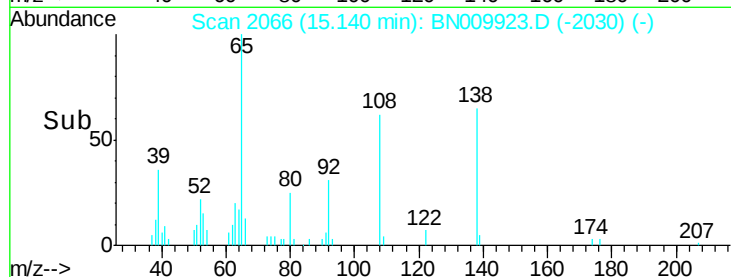
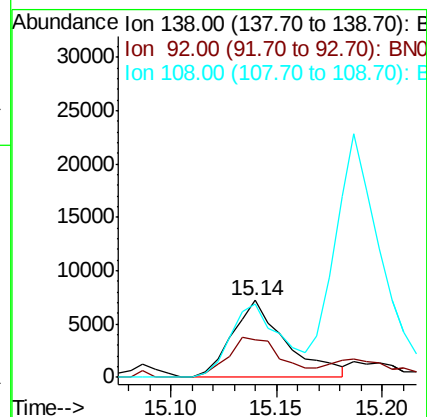
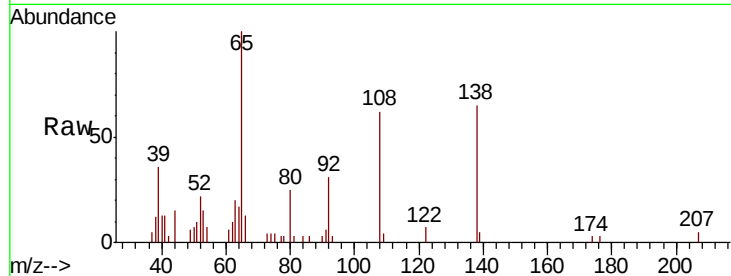
108 95.4 72.3 108.5

Manual Integrations

APPROVED

mohammad

2/27/2020 4:56:57 PM



#64

4,6-Dinitro-2-methylphenol

Concen: 3.086 ng/ul

RT: 15.20 min Scan# 2077

Delta R.T. 0.00 min

Lab File: BN009923.D

Acq: 26 Feb 2020 11:30

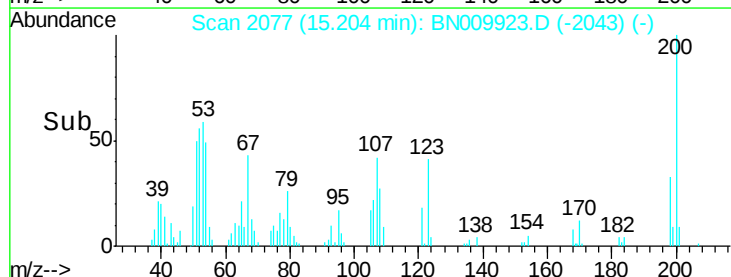
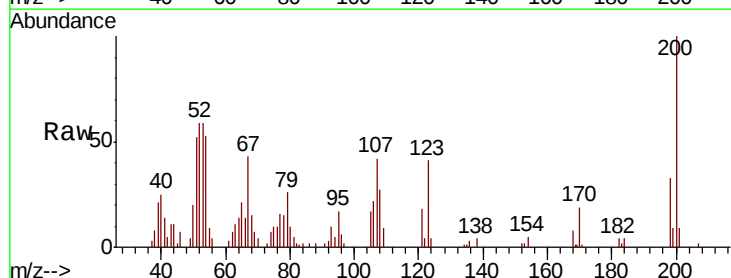
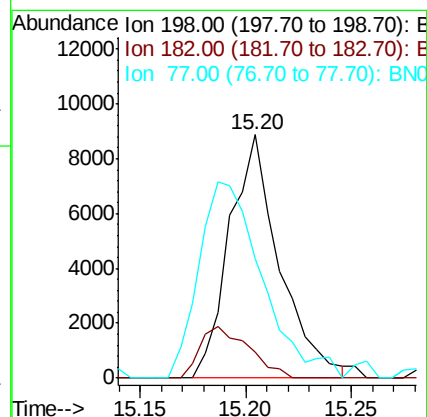
Tgt Ion:198 Resp: 14526

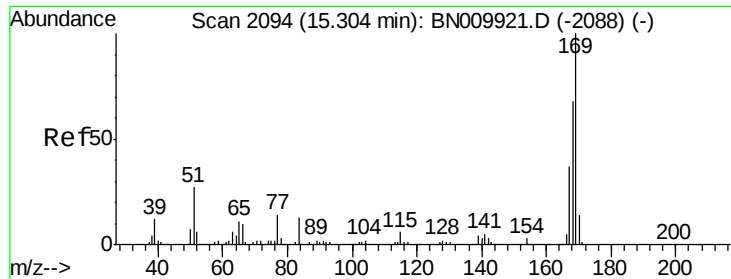
Ion Ratio Lower Upper

198 100

182 10.7 3.7 5.5#

77 48.9 25.1 37.7#





#65

N-Nitrosodiphenylamine

Concen: 3.547 ng/ul

RT: 15.30 min Scan# 2094

Delta R.T. -0.01 min

Lab File: BN009923.D

Acq: 26 Feb 2020 11:30

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-01

Tot Ion:169 Resp: 74032

Ion Ratio Lower Upper

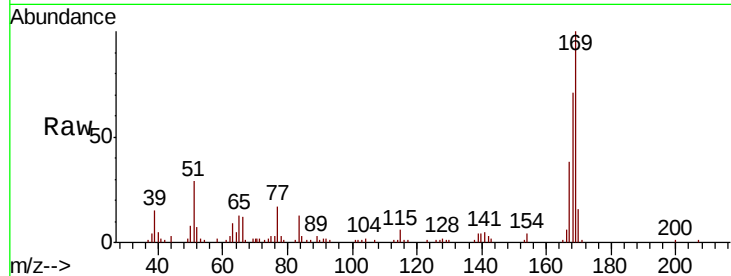
169 100

168 70.7 51.8 77.6

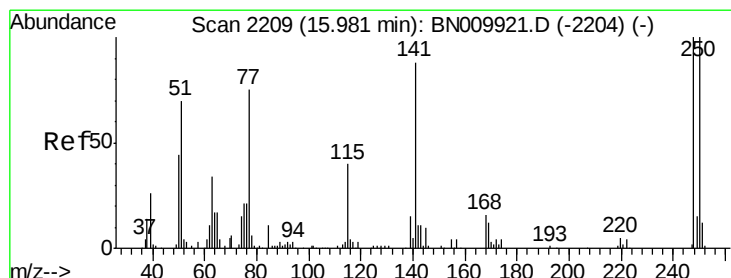
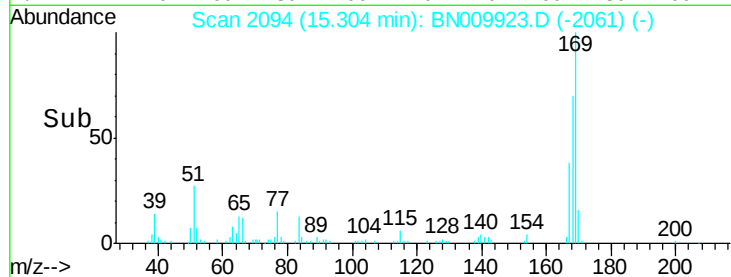
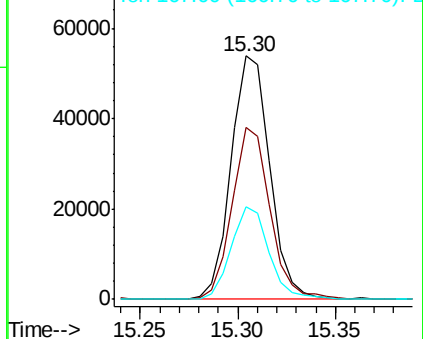
167 38.2 27.7 41.5

Manual Integrations
APPROVED

mohammad
2/27/2020 4:56:57 PM



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.556 ng/ul

RT: 15.98 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BN009923.D

Acq: 26 Feb 2020 11:30

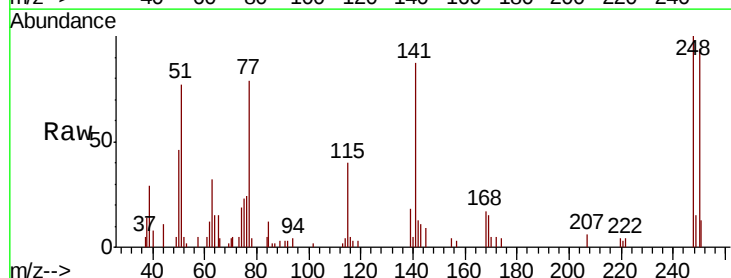
Tgt Ion:248 Resp: 25029

Ion Ratio Lower Upper

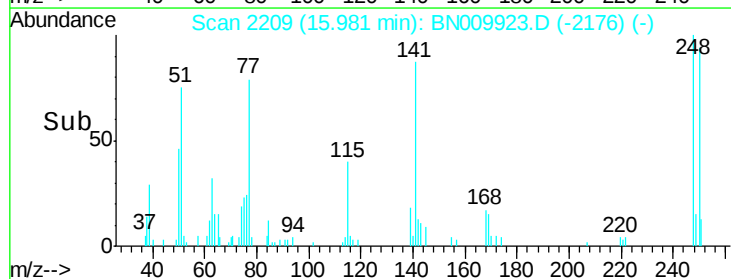
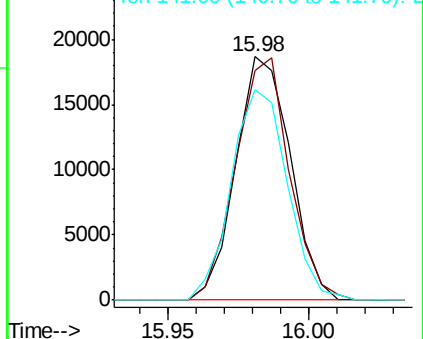
248 100

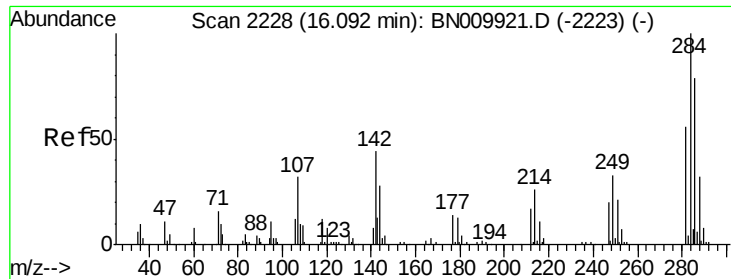
250 94.1 81.4 122.0

141 86.6 66.9 100.3



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 3.610 ng/ul

RT: 16.09 min Scan# 2228

Delta R.T. -0.01 min

Lab File: BN009923.D

Acq: 26 Feb 2020 11:30

Instrument :

BNA_N

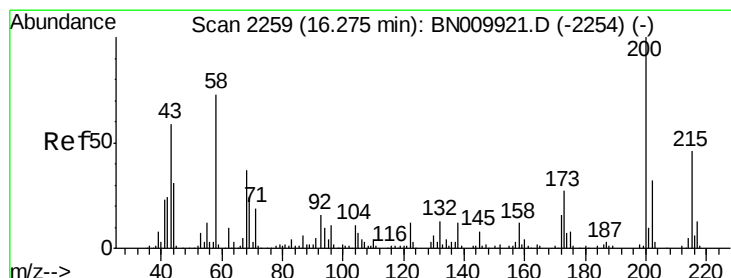
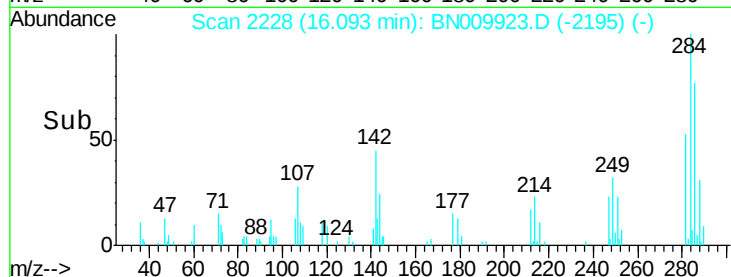
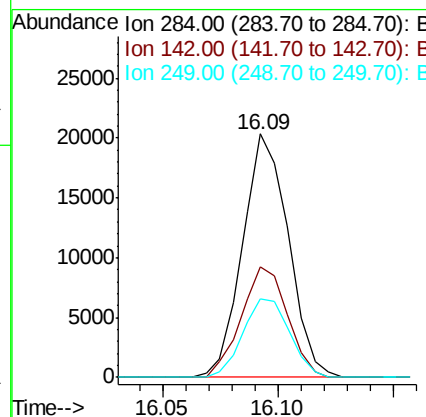
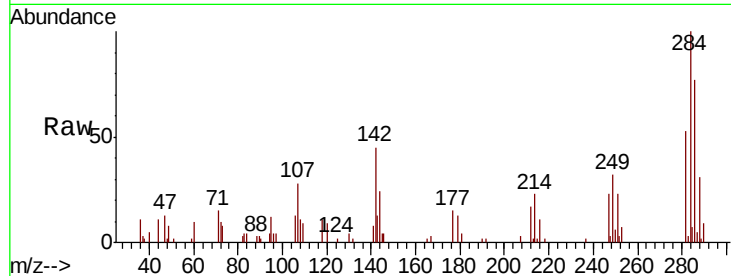
ClientSampled :

MDL-SOIL-01

Tot Ion:	284	Resp:	28116
Ion Ratio	Lower	Upper	
284	100		
142	42.3	34.4	51.6
249	36.1	29.7	44.5

Manual Integrations
APPROVED

mohammad
2/27/2020 4:56:57 PM



#68

Atrazine

Concen: 3.246 ng/ul

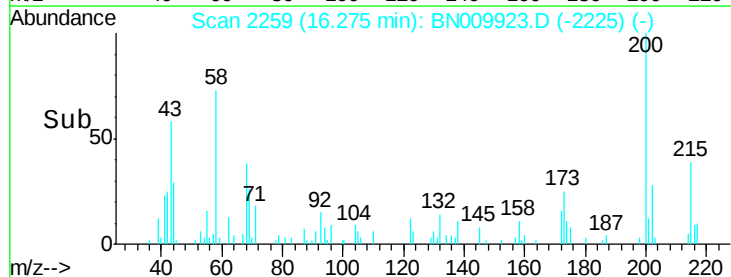
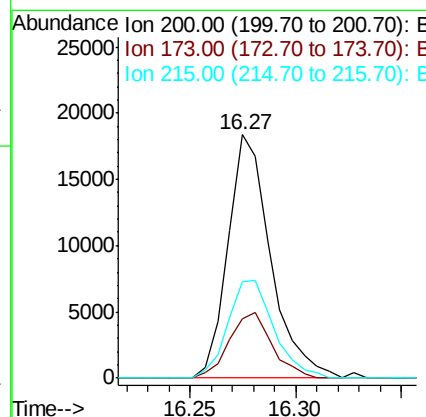
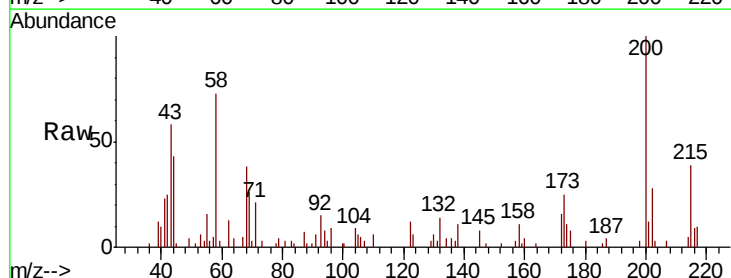
RT: 16.27 min Scan# 2259

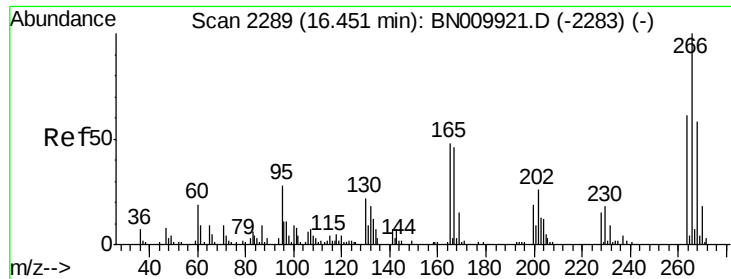
Delta R.T. 0.00 min

Lab File: BN009923.D

Acq: 26 Feb 2020 11:30

Tgt Ion:	200	Resp:	25704
Ion Ratio	Lower	Upper	
200	100		
173	24.6	22.1	33.1
215	39.4	41.6	62.4#





#69

Pentachlorophenol

Concen: 2.080 ng/ul

RT: 16.46 min Scan# 2290

Delta R.T. 0.01 min

Lab File: BN009923.D

Acq: 26 Feb 2020 11:30

Instrument :

BNA_N

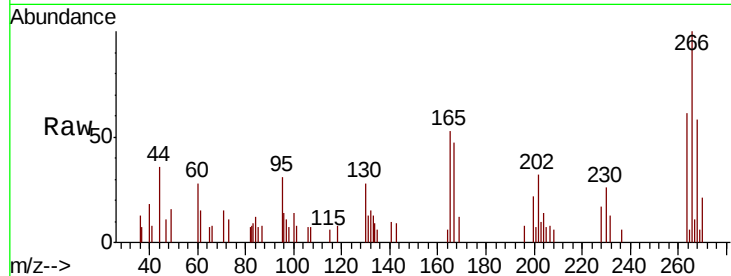
ClientSampleId :

MDL-SOIL-01

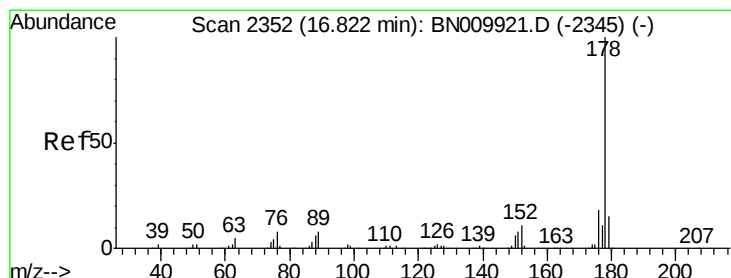
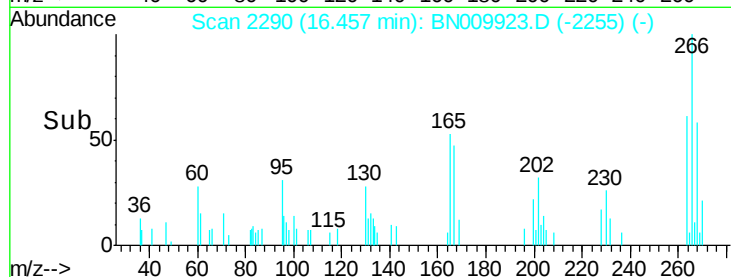
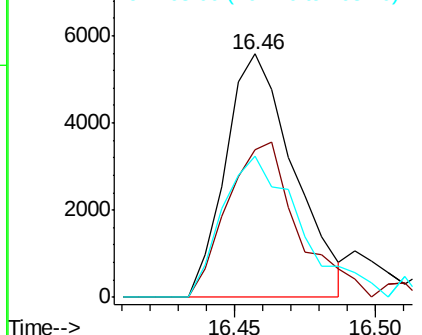
Tot Ion:	266	Resp:	9364
Ion Ratio	Lower	Upper	
266	100		
264	60.7	52.9	79.3
268	58.0	52.5	78.7

Manual Integrations
APPROVED

mohammad
2/27/2020 4:56:57 PM



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E



#70

Phenanthrene

Concen: 3.739 ng/ul

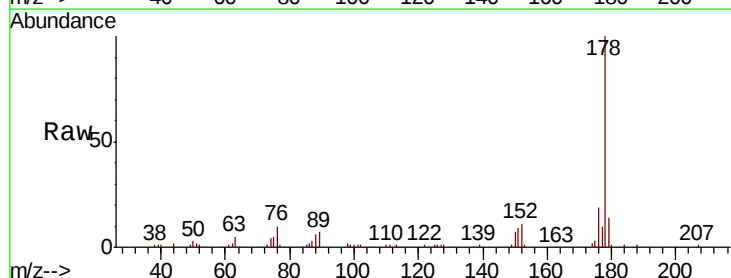
RT: 16.82 min Scan# 2352

Delta R.T. -0.01 min

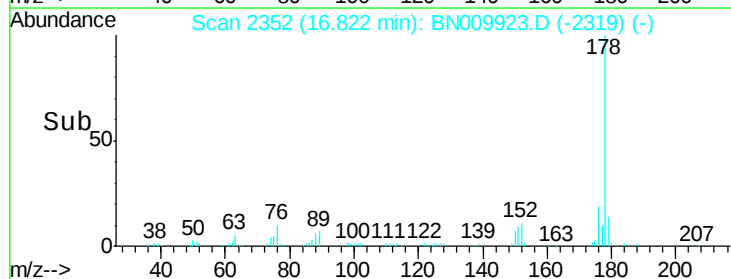
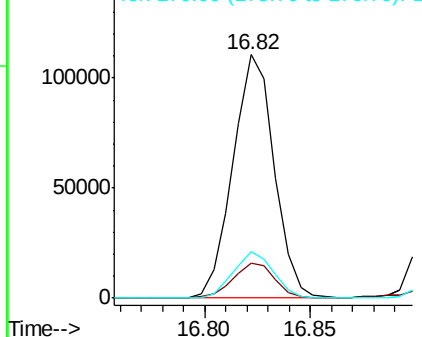
Lab File: BN009923.D

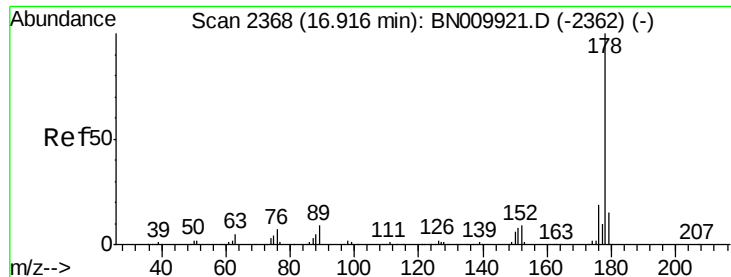
Acq: 26 Feb 2020 11:30

Tgt Ion:	178	Resp:	150114
Ion Ratio	Lower	Upper	
178	100		
179	14.5	12.5	18.7
176	19.0	14.6	22.0



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





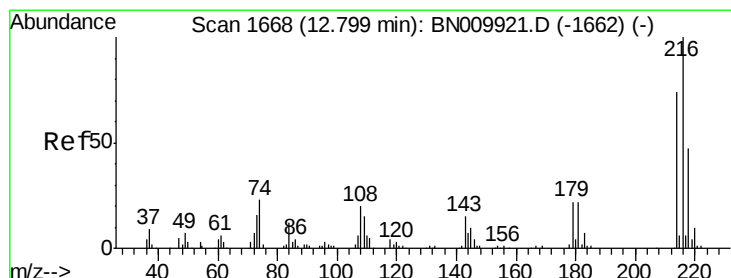
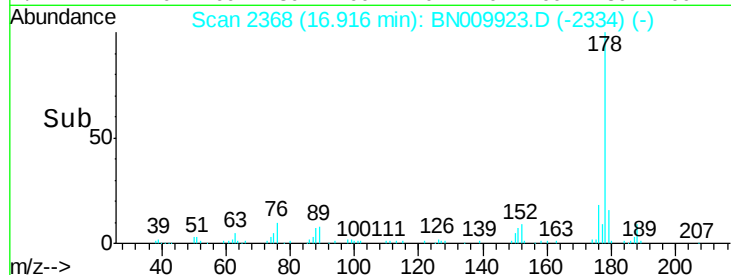
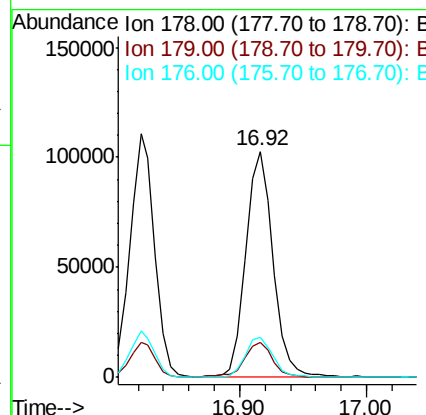
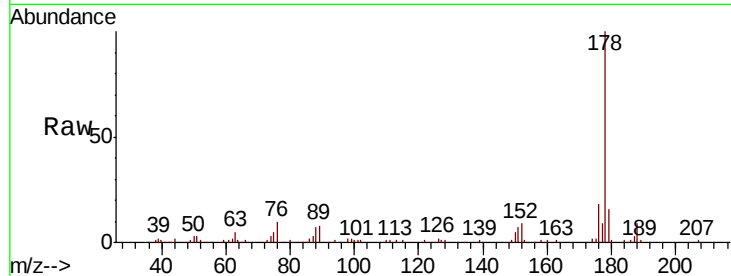
#72
 Anthracene
 Concen: 3.731 ng/ul
 RT: 16.92 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: BN009923.D
 Acq: 26 Feb 2020 11:30

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.2	18.2
176	17.7	14.6	21.8

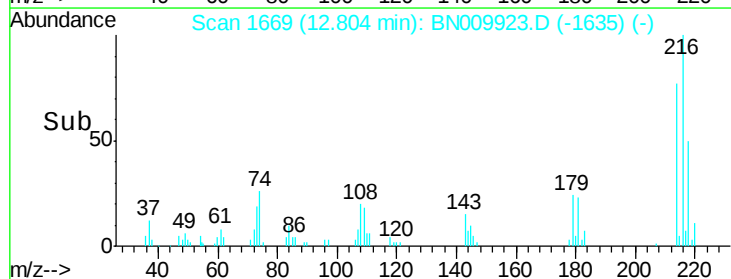
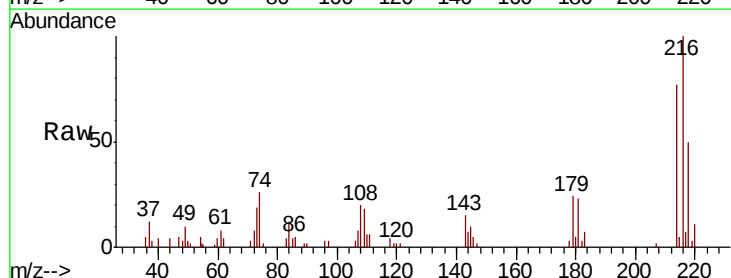
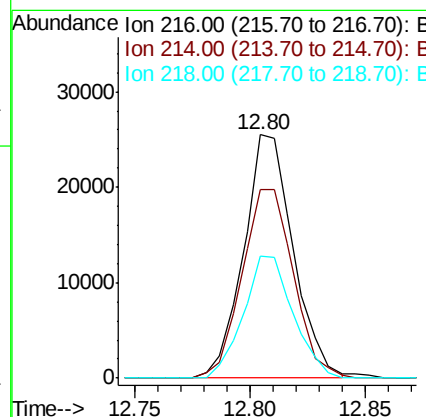
Manual Integrations
 APPROVED

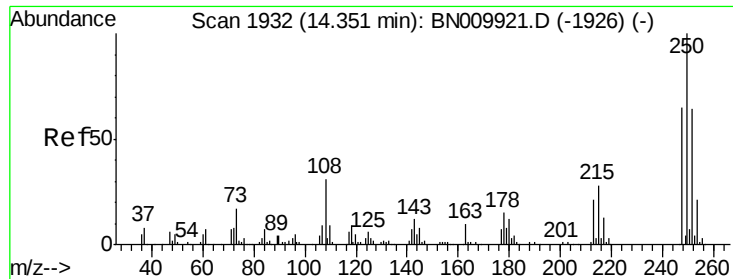
mohammad
 2/27/2020 4:56:57 PM



#73
 1,2,3,4-Tetrachlorobenzene
 Concen: 3.713 ng/uL
 RT: 12.80 min Scan# 1669
 Delta R.T. 0.00 min
 Lab File: BN009923.D
 Acq: 26 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
216	100		
214	77.4	66.8	100.2
218	49.9	39.1	58.7





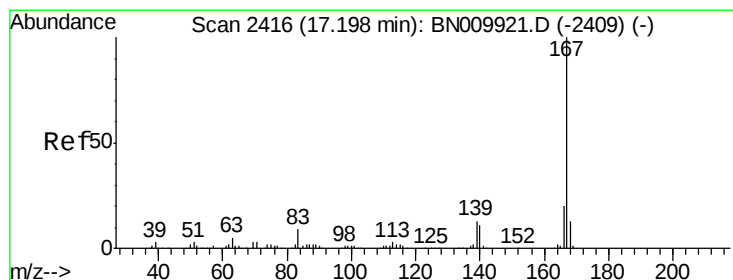
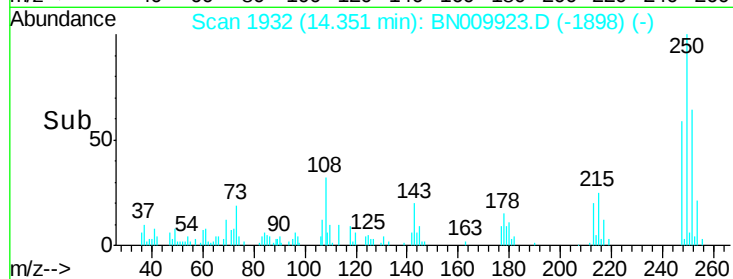
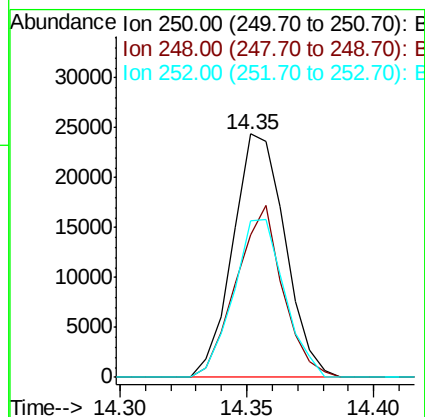
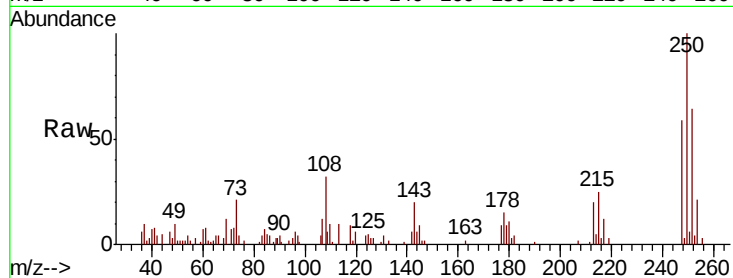
#74
 Pentachlorobenzene
 Concen: 3.523 ng/uL
 RT: 14.35 min Scan# 1932
 Delta R.T. 0.00 min
 Lab File: BN009923.D
 Acq: 26 Feb 2020 11:30

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
250	100		
248	58.8	49.4	74.0
252	64.1	51.8	77.6

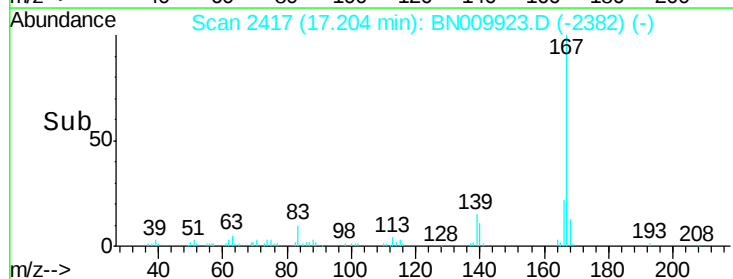
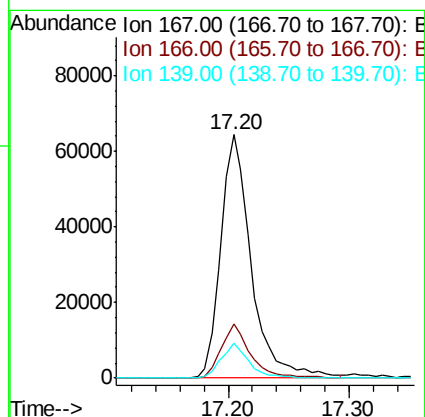
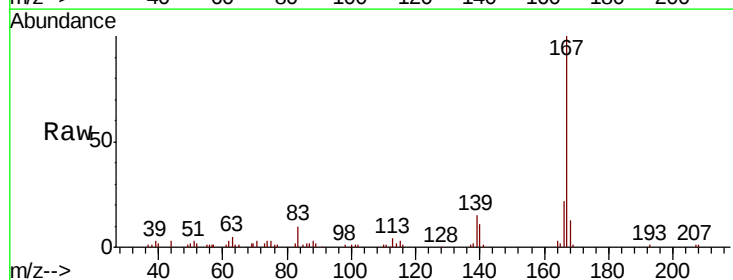
Manual Integrations
 APPROVED

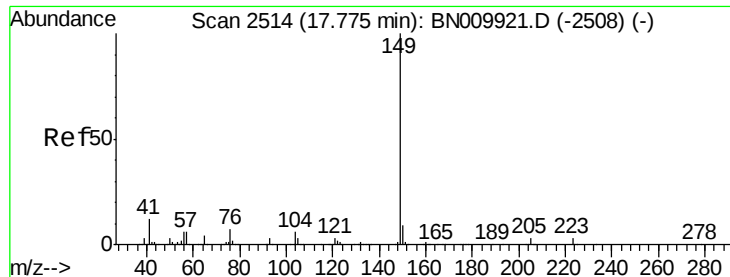
mohammad
 2/27/2020 4:56:57 PM



#75
 Carbazole
 Concen: 3.113 ng/uL
 RT: 17.20 min Scan# 2417
 Delta R.T. 0.01 min
 Lab File: BN009923.D
 Acq: 26 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.3	16.6	24.8
139	14.6	9.9	14.9





#76

Di-n-butylphthalate

Concen: 3.256 ng/ul

RT: 17.77 min Scan# 2514

Delta R.T. 0.00 min

Lab File: BN009923.D

Acq: 26 Feb 2020 11:30

Instrument :

BNA_N

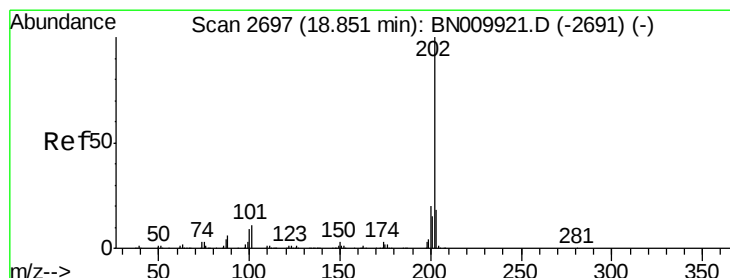
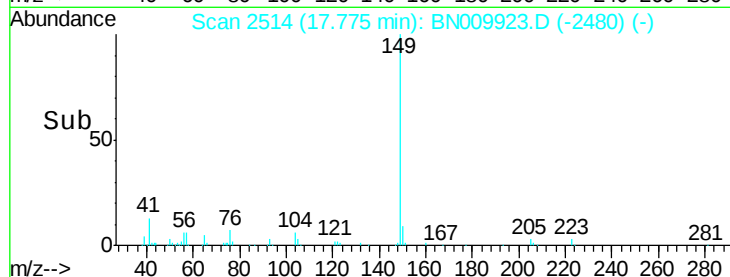
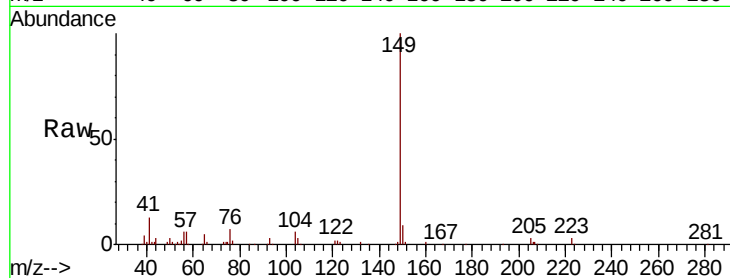
ClientSampleId :

MDL-SOIL-01

Tot Ion:	149	Resp:	145249
Ion Ratio	Lower	Upper	
149	100		
150	9.1	7.0	10.6
104	5.7	4.3	6.5

Manual Integrations
APPROVED

mohammad
2/27/2020 4:56:57 PM



#77

Fluoranthene

Concen: 3.536 ng/ul

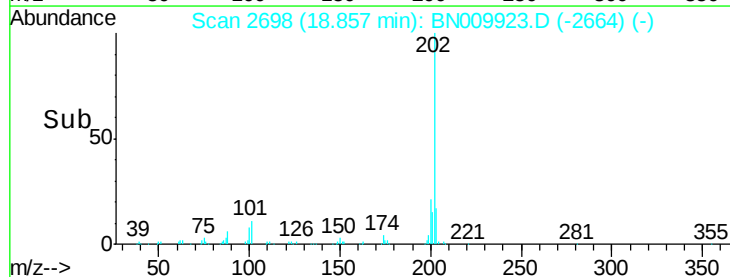
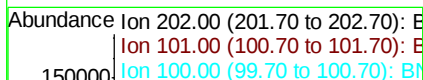
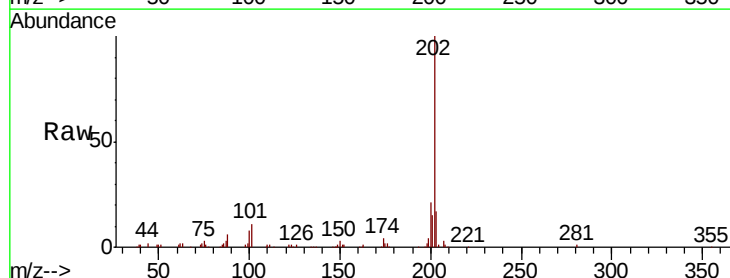
RT: 18.86 min Scan# 2698

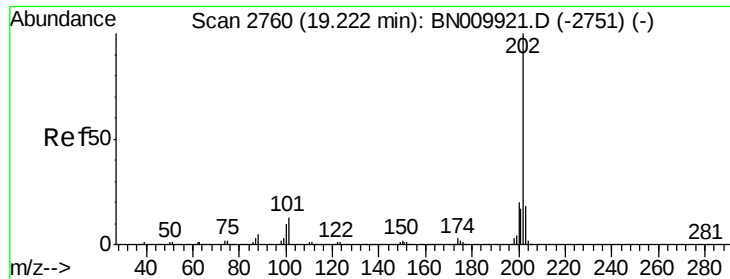
Delta R.T. 0.00 min

Lab File: BN009923.D

Acq: 26 Feb 2020 11:30

Tgt Ion:	202	Resp:	166301
Ion Ratio	Lower	Upper	
202	100		
101	10.5	9.4	14.2
100	8.0	7.2	10.8





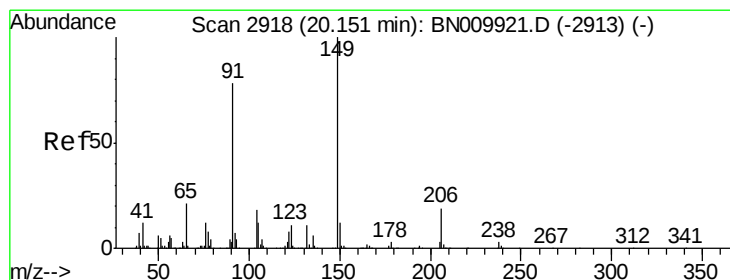
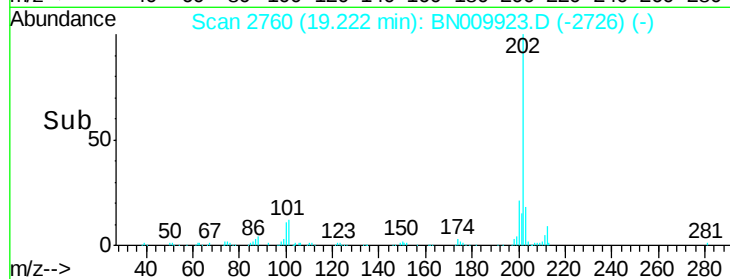
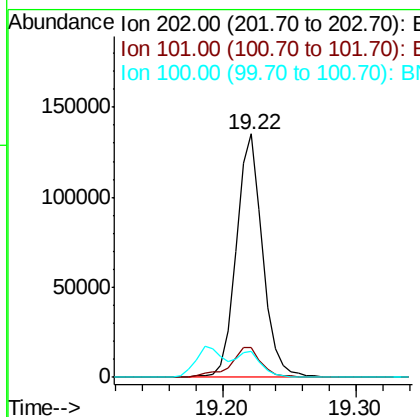
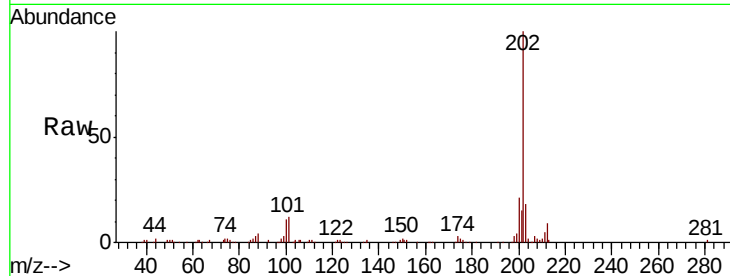
#80
Pvrene
Concen: 3.581 ng/ul
RT: 19.22 min Scan# 2760
Delta R.T. 0.00 min
Lab File: BN009923.D
Acq: 26 Feb 2020 11:30

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		184410		
101	12.3	11.3	16.9		
100	10.6	9.0	13.6		

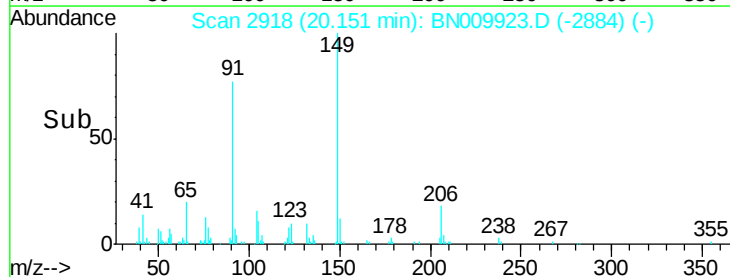
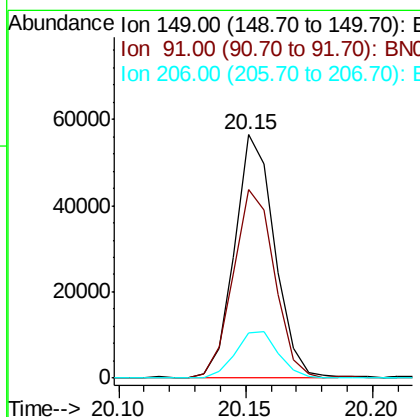
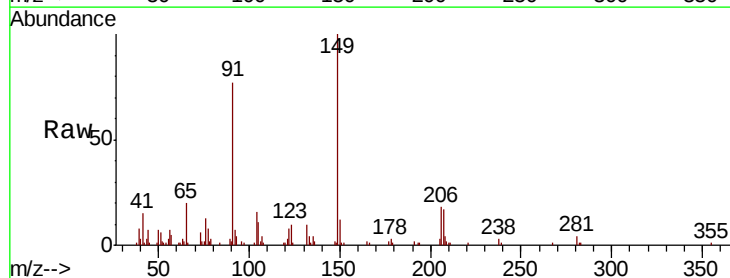
Manual Integrations
APPROVED

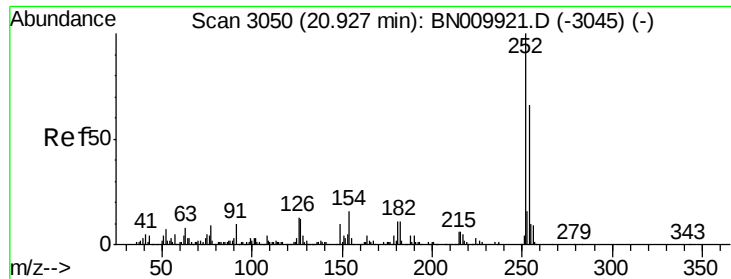
mohammad
2/27/2020 4:56:57 PM



#81
Butylbenzylphthalate
Concen: 2.935 ng/ul
RT: 20.15 min Scan# 2918
Delta R.T. 0.00 min
Lab File: BN009923.D
Acq: 26 Feb 2020 11:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		62136		
91	77.3	65.5	98.3		
206	18.4	15.9	23.9		





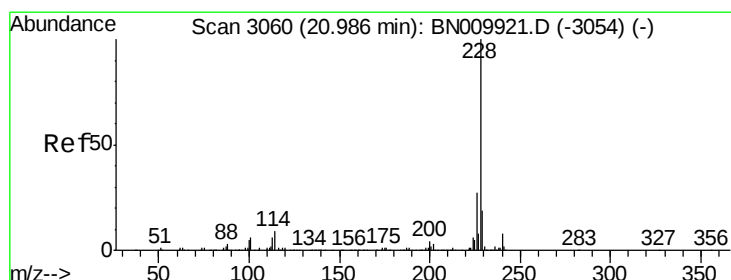
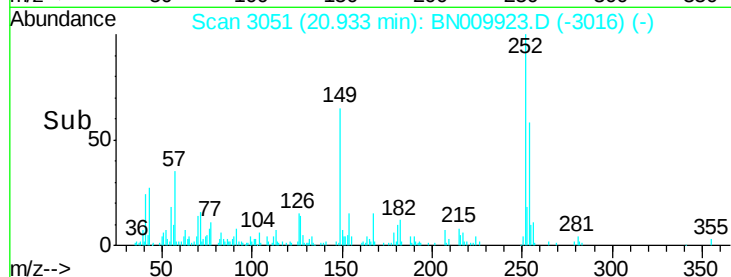
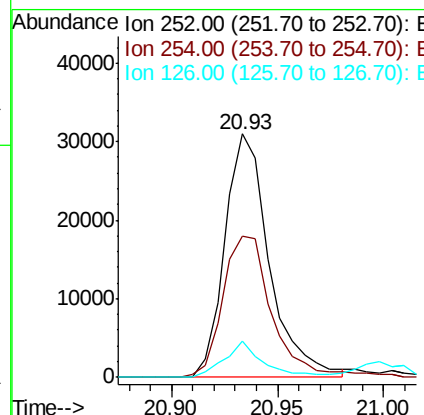
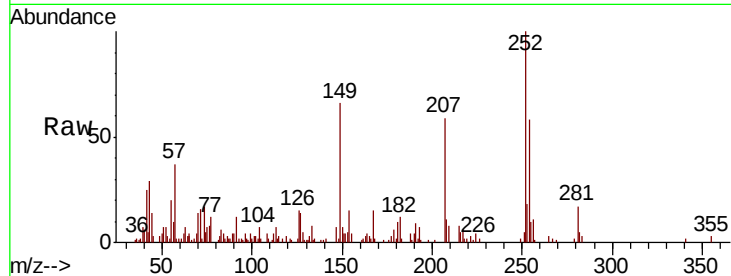
#82
 3,3'-Dichlorobenzidine
 Concen: 2.894 ng/ul
 RT: 20.93 min Scan# 3051
 Delta R.T. 0.01 min
 Lab File: BN009923.D
 Acq: 26 Feb 2020 11:30

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
252	100		
254	58.0	49.3	73.9
126	14.7	8.8	13.2

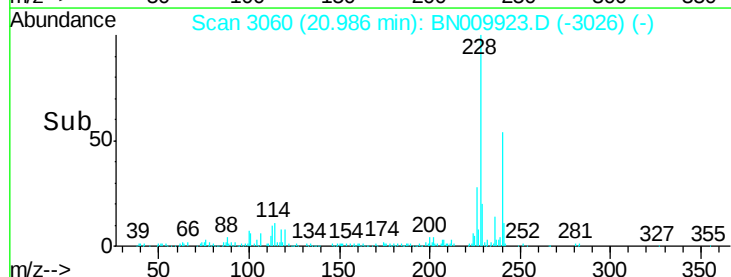
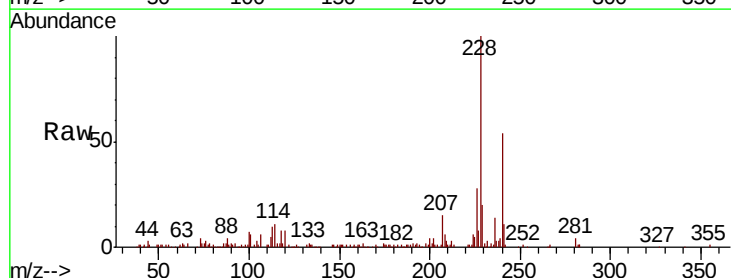
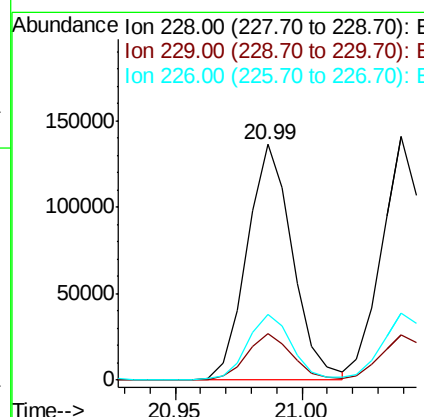
Manual Integrations
 APPROVED

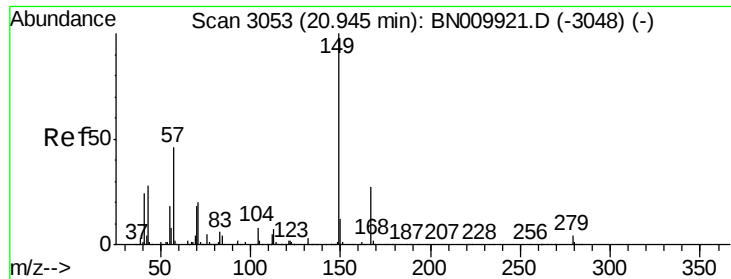
mohammad
 2/27/2020 4:56:57 PM



#83
 Benzo(a)anthracene
 Concen: 3.485 ng/ul
 RT: 20.99 min Scan# 3060
 Delta R.T. 0.00 min
 Lab File: BN009923.D
 Acq: 26 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.6	15.0	22.4
226	27.7	21.4	32.2





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.037 ng/ul

RT: 20.95 min Scan# 3053

Delta R.T. 0.00 min

Lab File: BN009923.D

Acq: 26 Feb 2020 11:30

Instrument :

BNA_N

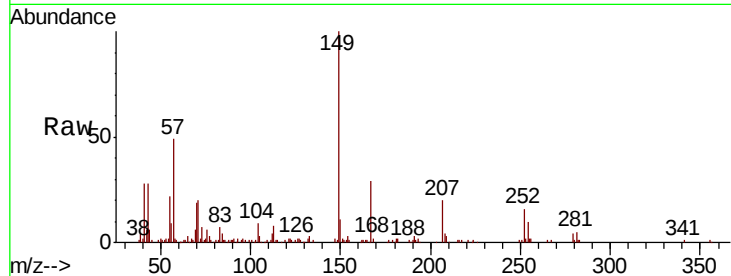
ClientSampleId :

MDL-SOIL-01

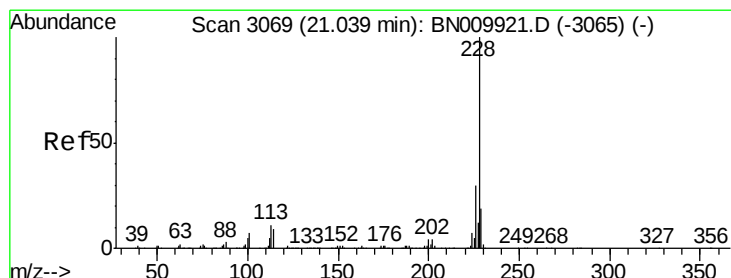
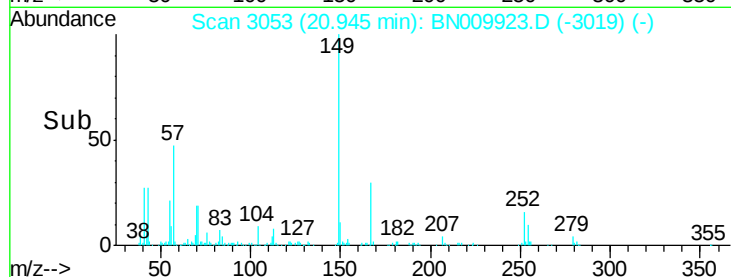
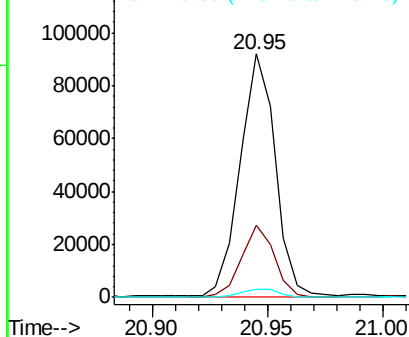
Tot Ion:	149	Resp:	98172
Ion Ratio	Lower	Upper	
149	100		
167	29.4	21.0	31.6
279	3.5	3.0	4.6

Manual Integrations
APPROVED

mohammad
2/27/2020 4:56:57 PM



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Chrysene

Concen: 3.569 ng/ul

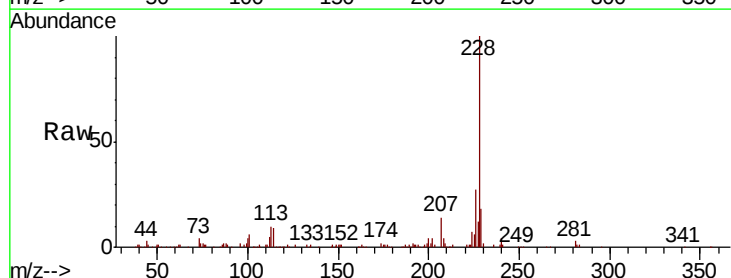
RT: 21.04 min Scan# 3069

Delta R.T. 0.00 min

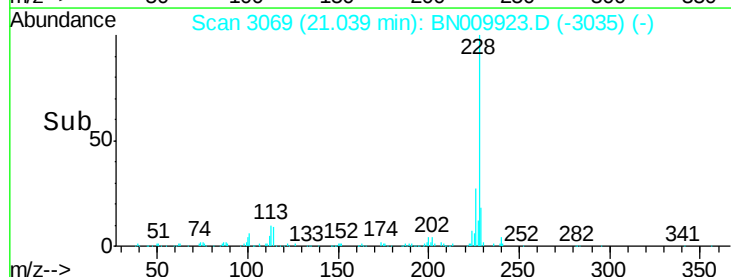
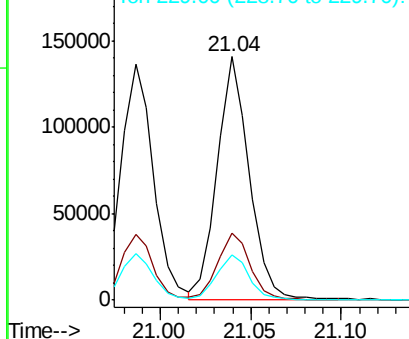
Lab File: BN009923.D

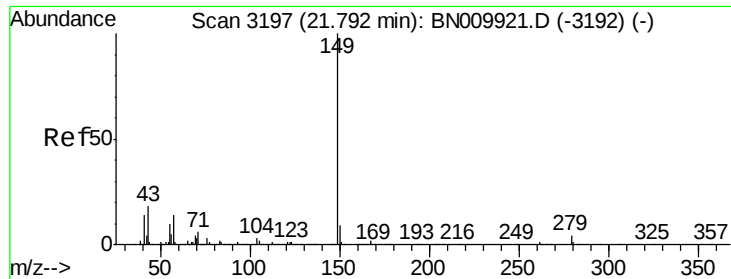
Acq: 26 Feb 2020 11:30

Tgt Ion:	228	Resp:	172469
Ion Ratio	Lower	Upper	
228	100		
226	27.5	23.4	35.2
229	18.4	15.0	22.4



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





#87

Di-n-octyl phthalate

Concen: 2.962 ng/ul

RT: 21.79 min Scan# 3197

Delta R.T. 0.00 min

Lab File: BN009923.D

Acq: 26 Feb 2020 11:30

Instrument :

BNA_N

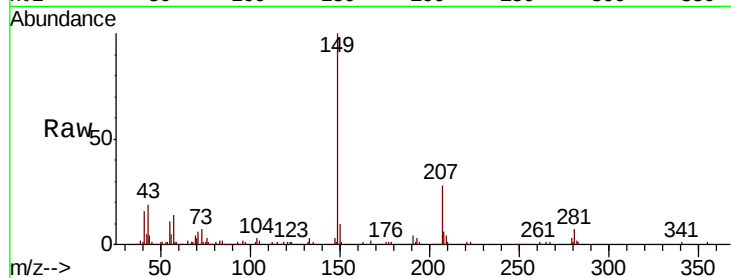
ClientSampleId :

MDL-SOIL-01

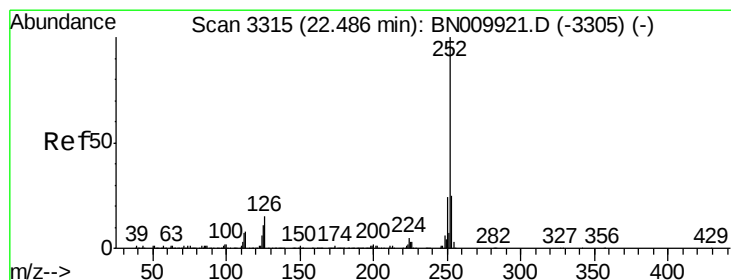
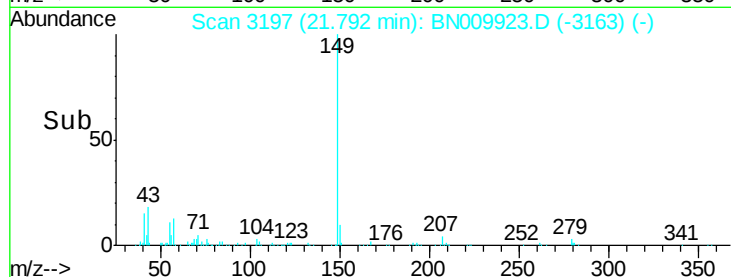
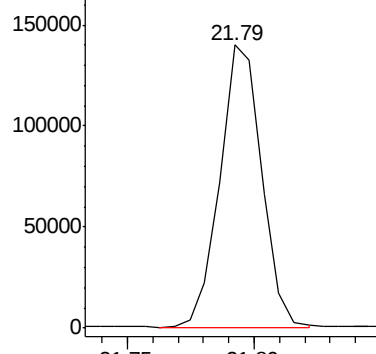
Tgt Ion:149 Resp: 160793

Manual Integrations
APPROVED

mohammad
2/27/2020 4:56:57 PM



Abundance Ion 149.00 (148.70 to 149.70): E



#88

Benzo(b)fluoranthene

Concen: 3.529 ng/ul m

RT: 22.49 min Scan# 3315

Delta R.T. 0.00 min

Lab File: BN009923.D

Acq: 26 Feb 2020 11:30

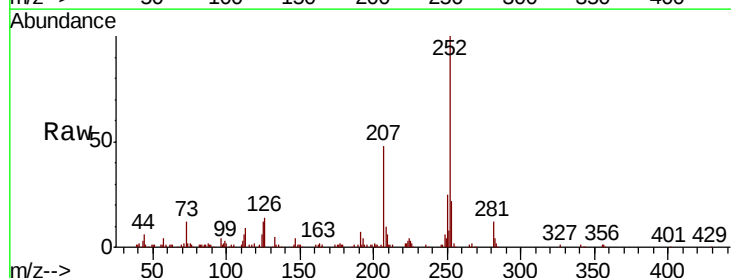
Tgt Ion:252 Resp: 164124

Ion Ratio Lower Upper

252 100

253 21.9 17.0 25.4

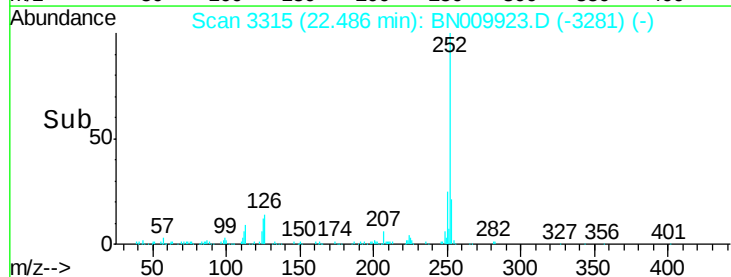
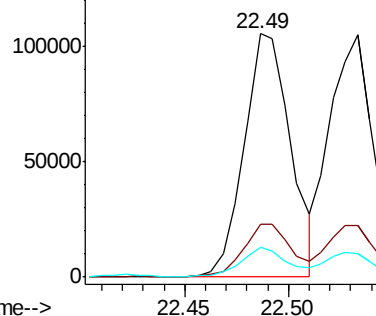
125 12.0 8.0 12.0#

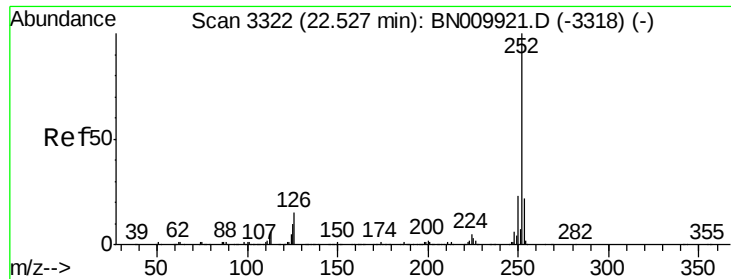


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





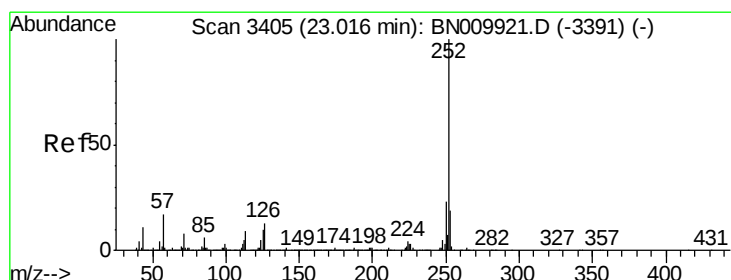
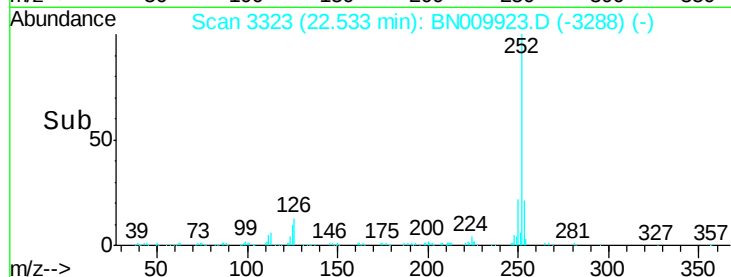
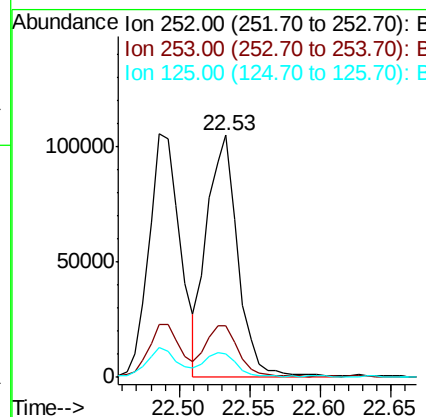
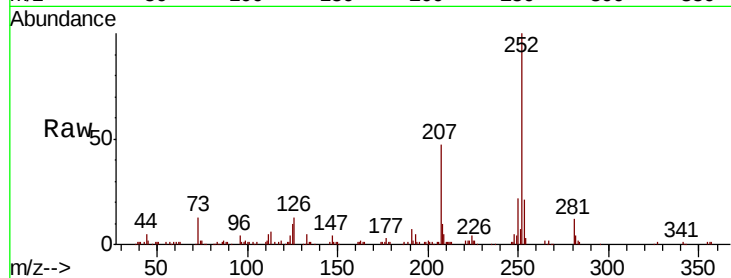
#89
Benzo(k)fluoranthene
Concen: 3.641 ng/ul
RT: 22.53 min Scan# 3323
Delta R.T. 0.01 min
Lab File: BN009923.D
Acq: 26 Feb 2020 11:30

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.0	27.0
125	9.6	8.2	12.2

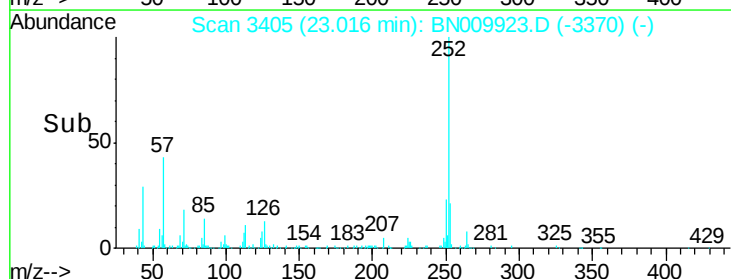
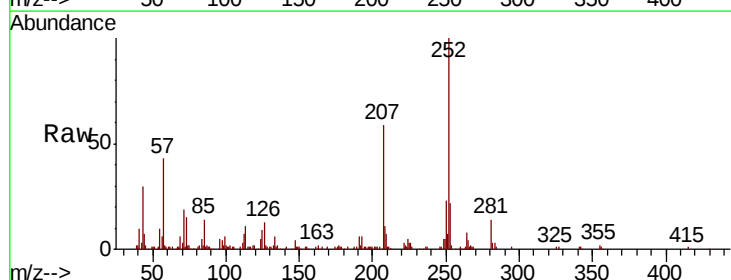
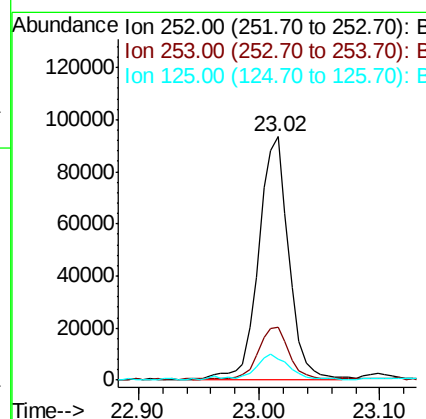
Manual Integrations
APPROVED

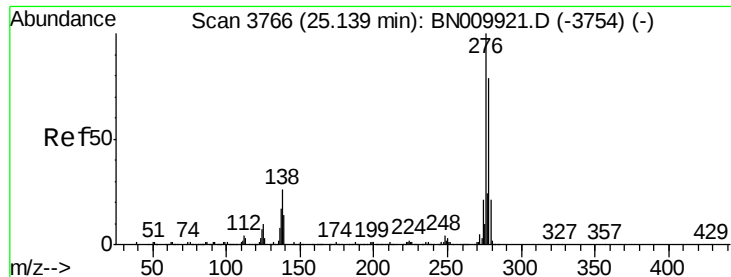
mohammad
2/27/2020 4:56:57 PM



#91
Benzo(a)pyrene
Concen: 3.927 ng/ul
RT: 23.02 min Scan# 3405
Delta R.T. 0.01 min
Lab File: BN009923.D
Acq: 26 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0
125	8.6	9.0	13.6





#92

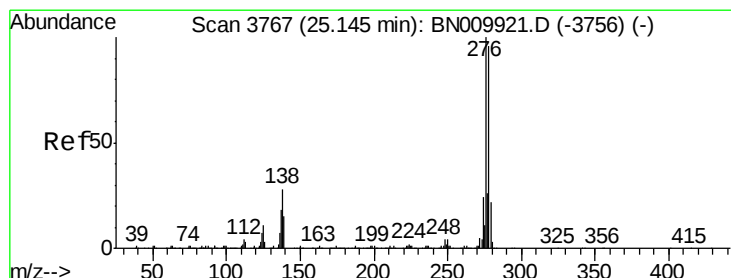
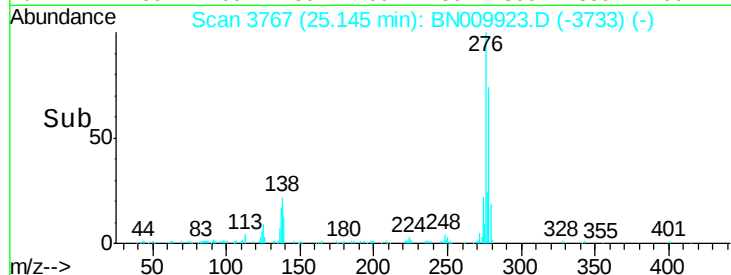
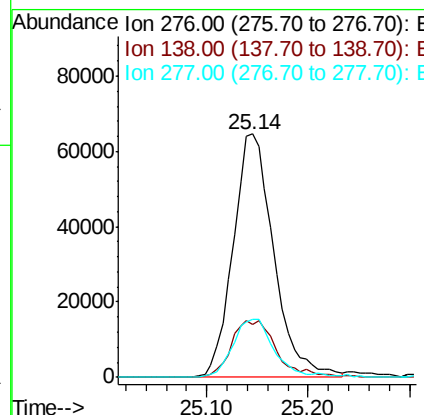
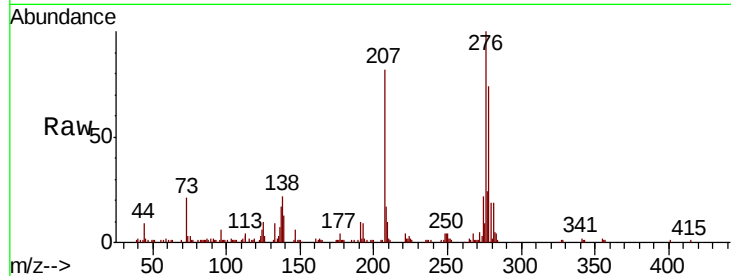
Indeno(1,2,3-cd)pyrene
Concen: 3.623 ng/ul
RT: 25.14 min Scan# 3767
Delta R.T. 0.00 min
Lab File: BN009923.D
Acq: 26 Feb 2020 11:30

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.9	20.9	31.3
277	23.8	18.2	27.4

Manual Integrations
APPROVED

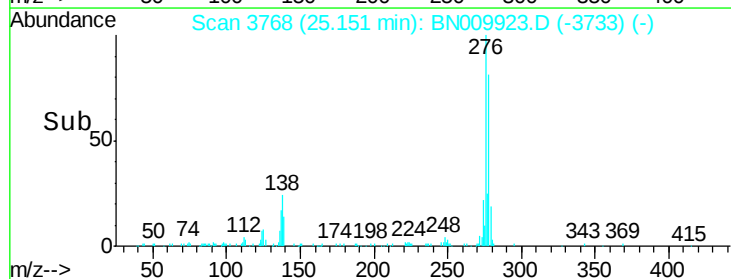
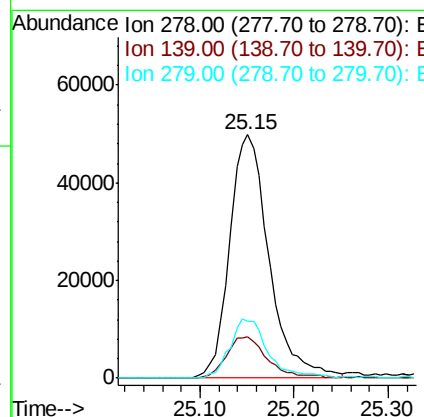
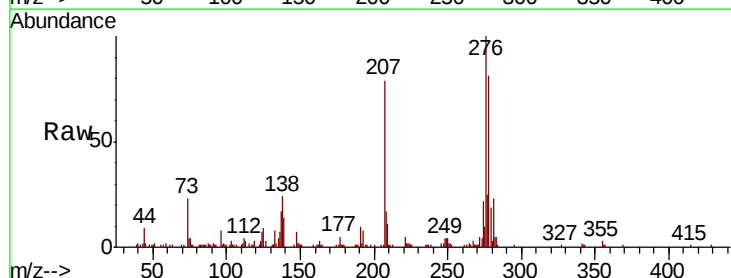
mohammad
2/27/2020 4:56:57 PM

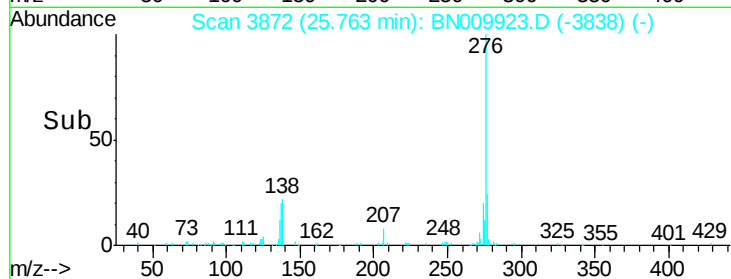
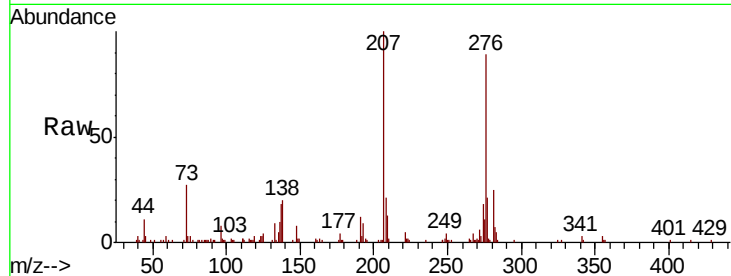
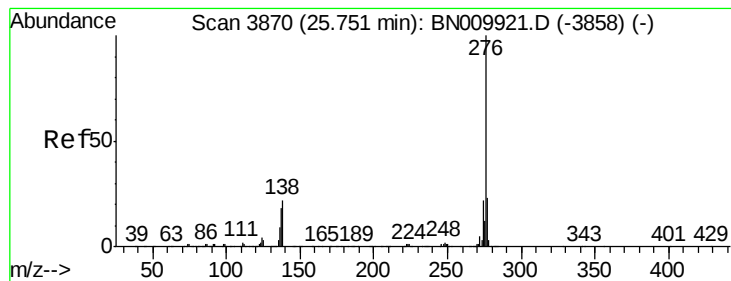


#93

Dibenzo(a,h)anthracene
Concen: 3.417 ng/ul
RT: 25.15 min Scan# 3768
Delta R.T. 0.01 min
Lab File: BN009923.D
Acq: 26 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.1	13.0	19.4
279	23.5	17.5	26.3





#94

Benzo(a,h,i)perylene

Concen: 3.498 ng/ul

RT: 25.76 min Scan# 3872

Delta R.T. 0.00 min

Lab File: BN009923.D

Acq: 26 Feb 2020 11:30

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.1	17.5	26.3
277	23.9	18.1	27.1

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-01

Manual Integrations
APPROVED

mohammad
2/27/2020 4:56:57 PM

