

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021720\
 Data File : BN009737.D
 Acq On : 17 Feb 2020 14:20
 Operator : CG/JU
 Sample : K5695-06
 Misc : MDL-SOIL-06
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-06

Manual Integrations
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mohammad
 2/20/2020 7:56:32 AM

Quant Time: Feb 17 15:30:10 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Feb 17 00:47:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	108610	20.00	ng/ul	0.00
18) Naphthalene-d8	10.16	136	452225	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.06	164	288759	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.81	188	625598	20.00	ng/ul	0.00
78) Chrysene-d12	21.03	240	623826	20.00	ng/ul	0.00
86) Perylene-d12	23.13	264	628817	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	11530	4.37	ng/uL	0.00
5) Phenol-d5	6.62	99	245188	26.54	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.78	67	179899	28.22	ng/ul	0.00
9) 2-Chlorophenol-d4	6.96	132	195318	28.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.13	113	194487	26.46	ng/ul	0.00
19) Nitrobenzene-d5	8.56	128	93439	28.24	ng/ul	0.00
22) 2-Nitrophenol-d4	9.28	143	101846	28.14	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.80	165	183617	26.39	ng/ul	0.00
29) 4-Chloroaniline-d4	10.32	131	258238	33.03	ng/ul	0.00
44) Dimethylphthalate-d6	13.48	166	629828	29.20	ng/ul	0.00
47) Acenaphthylene-d8	13.75	160	749290	29.50	ng/ul	0.00
52) 4-Nitrophenol-d4	14.29	143	91719	23.28	ng/ul	0.00
58) Fluorene-d10	15.06	176	518965	27.87	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.22	200	89534	23.04	ng/ul	0.00
71) Anthracene-d10	16.91	188	822468	28.68	ng/ul	0.00
79) Pyrene-d10	19.22	212	886023	27.17	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.00	264	866111	27.58	ng/ul	0.00

Target Compounds

					Ovalue	
4) Benzaldehyde	6.59	77	19612	3.192	ng/ul	87
6) Phenol	6.65	94	24101	2.435	ng/ul	90
8) Bis(2-Chloroethyl)ether	6.86	93	20855	2.680	ng/ul	95
10) 2-Chlorophenol	6.99	128	18647	2.545	ng/ul	91
11) 2-Methylphenol	7.88	108	16180	2.233	ng/ul	93
12) 2,2'-oxybis(1-Chloropropan	7.95	45	54697	2.868	ng/ul#	96
14) Acetophenone	8.24	105	29850	2.493	ng/ul	96
15) N-Nitroso-di-n-propylamine	8.23	70	15231	2.434	ng/ul	96
16) 4-Methylphenol	8.20	108	19913	2.505	ng/ul	95
17) Hexachloroethane	8.46	117	8588	2.577	ng/ul#	84
20) Nitrobenzene	8.60	77	25266	2.592	ng/ul	94
21) Isophorone	9.13	82	40220	2.344	ng/ul	97
23) 2-Nitrophenol	9.30	139	10164	2.510	ng/ul	92
24) 2,4-Dimethylphenol	9.38	107	20814	2.367	ng/ul	97
25) Bis(2-Chloroethoxy)methane	9.62	93	26575	2.534	ng/ul	97
27) 2,4-Dichlorophenol	9.83	162	18051	2.571	ng/ul#	89
28) Naphthalene	10.21	128	65541	2.688	ng/ul	99
30) 4-Chloroaniline	10.34	127	23272	2.907	ng/ul	92
31) Hexachlorobutadiene	10.50	225	12794	2.725	ng/ul	93
32) Caprolactam	11.18	113	3145m	1.336	ng/ul	
33) 4-Chloro-3-methylphenol	11.49	107	17244	2.148	ng/ul	93
34) 2-Methylnaphthalene	11.85	142	42781	2.526	ng/ul	94
35) 1-Methylnaphthalene	12.06	142	46923	2.765	ng/uL	99

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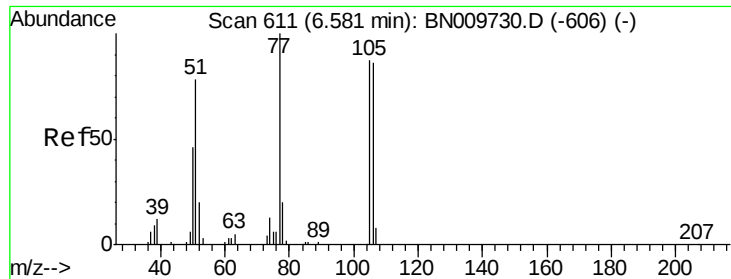
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 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration

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

37) 1,2,4,5-Tetrachlorobenzene	12.23	216	22042	2.575	ng/ul	95
39) 2,4,6-Trichlorophenol	12.49	196	10939	2.014	ng/ul#	91
40) 2,4,5-Trichlorophenol	12.57	196	12559m	2.155	ng/ul	
41) 1,1'-Biphenyl	12.88	154	57821	2.607	ng/ul	96
42) 2-Chloronaphthalene	12.92	162	44758	2.541	ng/ul	98
43) 2-Nitroaniline	13.15	65	12601	1.956	ng/ul	98
45) Dimethylphthalate	13.53	163	59526	2.645	ng/ul	98
46) 2,6-Dinitrotoluene	13.66	165	8952	2.032	ng/ul#	74
48) Acenaphthylene	13.77	152	71073	2.585	ng/ul	99
49) 3-Nitroaniline	14.00	138	7663	1.884	ng/ul#	87
50) Acenaphthene	14.12	153	50030	2.654	ng/ul	97
53) 4-Nitrophenol	14.30	109	8146	2.292	ng/ul#	80
54) Dibenzofuran	14.46	168	69894	2.642	ng/ul	98
55) 2,4-Dinitrotoluene	14.46	165	14180	2.172	ng/ul#	74
56) 2,3,4,6-Tetrachlorophenol	14.70	232	10296	2.055	ng/ul#	95
57) Diethylphthalate	14.91	149	58384	2.526	ng/ul	97
59) Fluorene	15.12	166	58835	2.650	ng/ul	97
60) 4-Chlorophenyl-phenylether	15.12	204	29647	2.708	ng/ul	96
61) 4-Nitroaniline	15.16	138	9164m	1.847	ng/ul	
64) 4,6-Dinitro-2-methylphenol	15.23	198	9194	2.196	ng/ul#	16
65) N-Nitrosodiphenylamine	15.34	169	46801	2.521	ng/ul	98
66) 4-Bromophenyl-phenylether	16.02	248	15236	2.434	ng/ul	98
67) Hexachlorobenzene	16.13	284	17746	2.562	ng/ul	96
68) Atrazine	16.30	200	15012	2.132	ng/ul	97
69) Pentachlorophenol	16.49	266	5254	1.313	ng/ul#	85
70) Phenanthrene	16.85	178	94565	2.649	ng/ul	98
72) Anthracene	16.95	178	97444	2.670	ng/ul	96
73) 1,2,3,4-Tetrachlorobenzene	12.84	216	25623	2.803	ng/uL	96
74) Pentachlorobenzene	14.39	250	22193	2.518	ng/uL	98
75) Carbazole	17.23	167	71139	2.213	ng/ul	97
76) Di-n-butylphthalate	17.80	149	83990	2.117	ng/ul	99
77) Fluoranthene	18.89	202	101596	2.429	ng/ul	99
80) Pyrene	19.25	202	117236	2.607	ng/ul	99
81) Butylbenzylphthalate	20.18	149	33608	1.818	ng/ul	95
82) 3,3'-Dichlorobenzidine	20.96	252	27403	2.015	ng/ul	95
83) Benzo(a)anthracene	21.01	228	103536	2.415	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	20.97	149	52246	1.851	ng/ul#	98
85) Chrysene	21.06	228	100555	2.383	ng/ul	95
87) Di-n-octyl phthalate	21.82	149	82699	1.738	ng/ul	100
88) Benzo(b)fluoranthene	22.52	252	101514	2.490	ng/ul	94
89) Benzo(k)fluoranthene	22.56	252	95040	2.462	ng/ul	98
91) Benzo(a)pyrene	23.05	252	97064	2.647	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.20	276	103388	2.375	ng/ul	98
93) Dibenzo(a,h)anthracene	25.20	278	87614	2.352	ng/ul	97
94) Benzo(g,h,i)perylene	25.82	276	89636	2.455	ng/ul	98

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



#4

Benzaldehyde

Concen: 3.192 ng/ul

RT: 6.59 min Scan# 613

Delta R.T. 0.01 min

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Instrument :

BNA_N

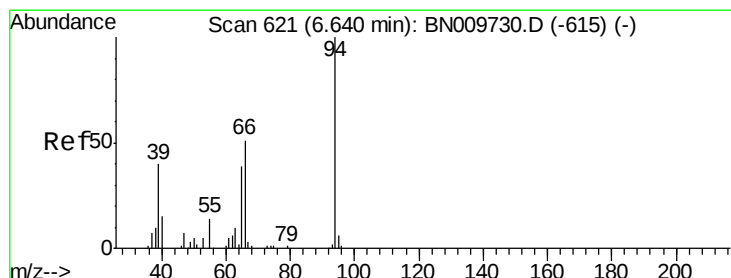
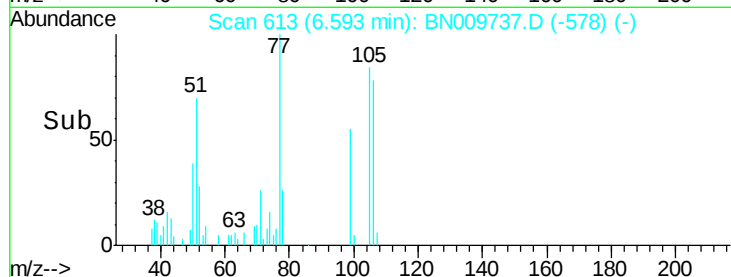
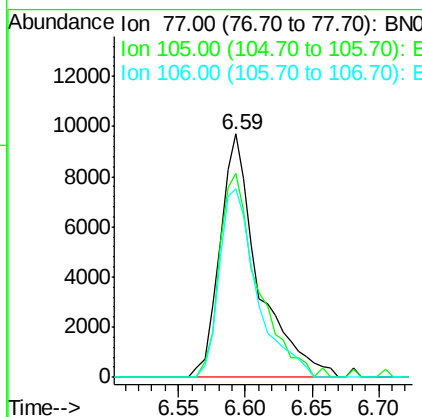
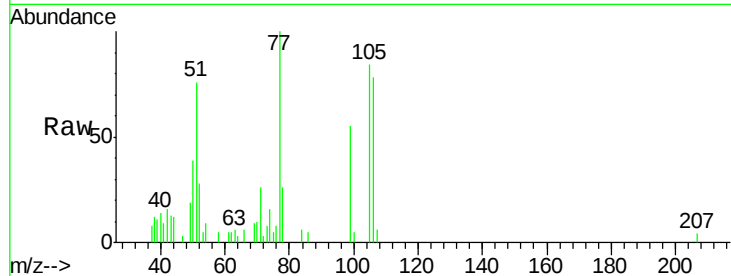
ClientSampleId :

MDL-SOIL-06

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		19612		
105	83.9	78.2	117.2		
106	77.5	70.9	106.3		

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#6

Phenol

Concen: 2.435 ng/ul

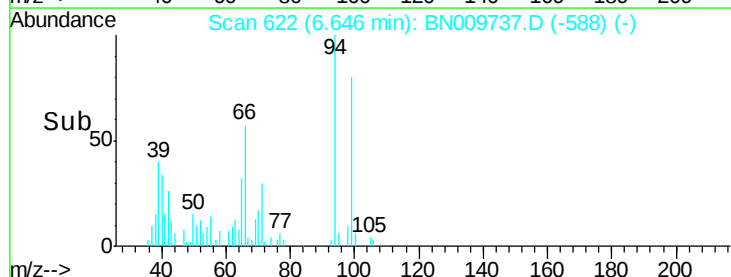
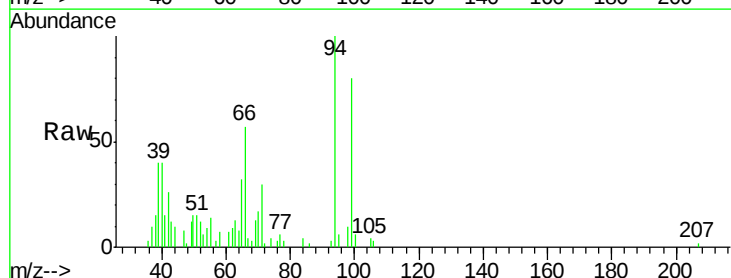
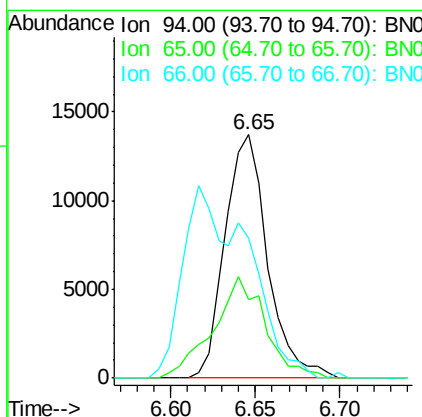
RT: 6.65 min Scan# 622

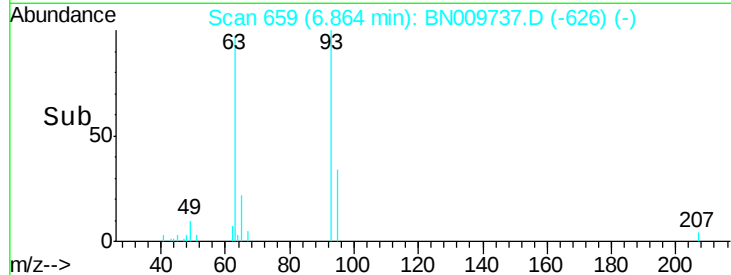
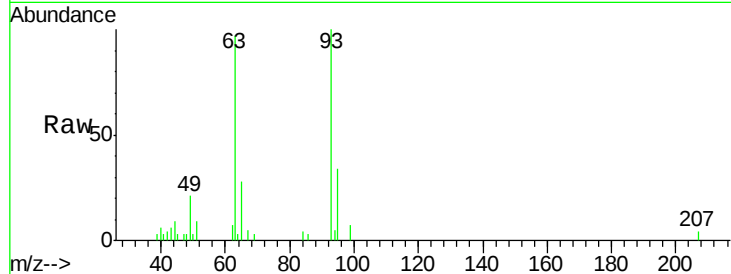
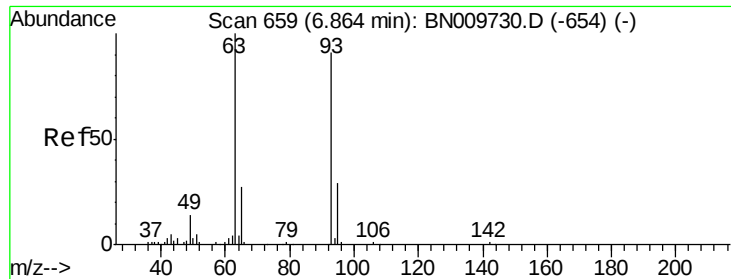
Delta R.T. 0.00 min

Lab File: BN009737.D

Acq: 17 Feb 2020 14:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100		24101		
65	32.2	27.6	41.4		
66	57.4	38.5	57.7		





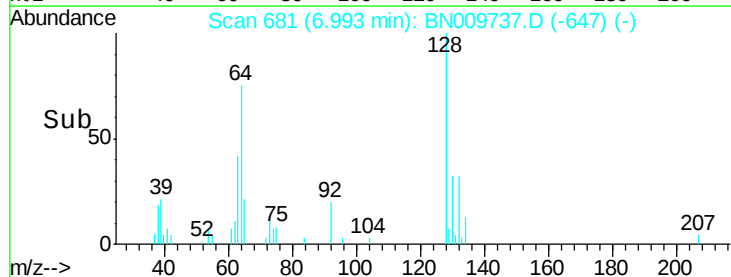
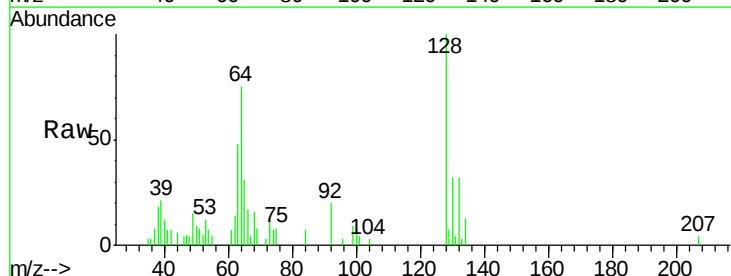
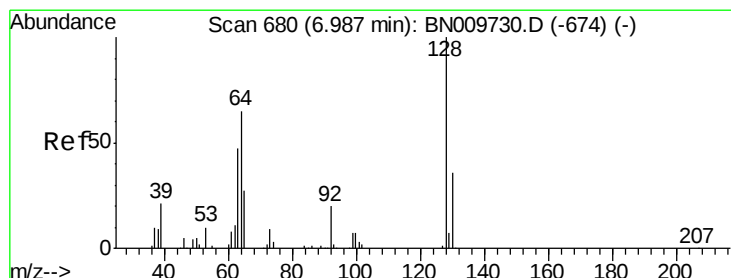
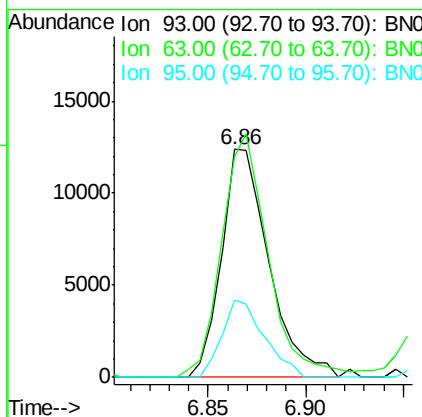
#8
Bis(2-Chloroethyl)ether
Concen: 2.680 ng/ul
RT: 6.86 min Scan# 659
Delta R.T. -0.01 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

Tot Ion	Ratio	Resp	Lower	Upper
93	100	20855		
63	96.6		82.7	124.1
95	33.7		26.6	40.0

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ClientSampleId :
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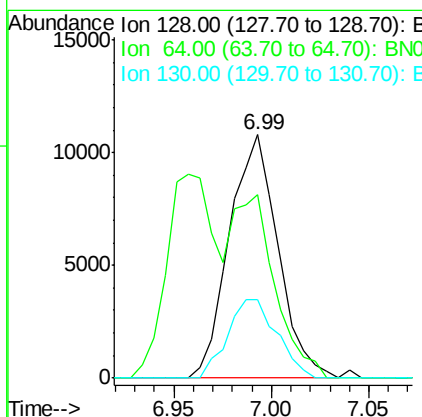
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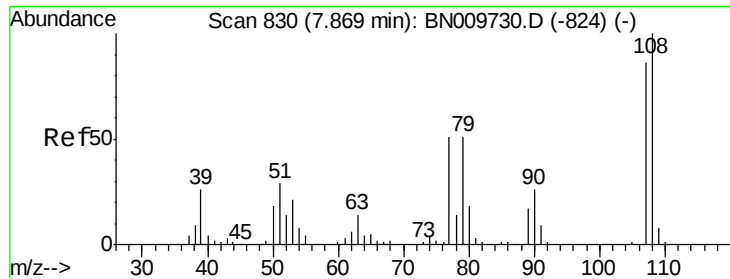
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#10
2-Chlorophenol
Concen: 2.545 ng/ul
RT: 6.99 min Scan# 681
Delta R.T. 0.00 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	18647		
64	75.4		52.5	78.7
130	32.1		24.4	36.6





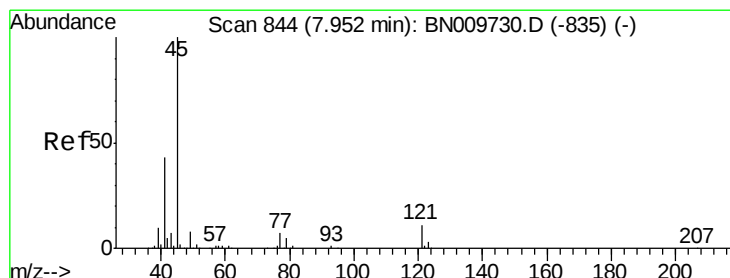
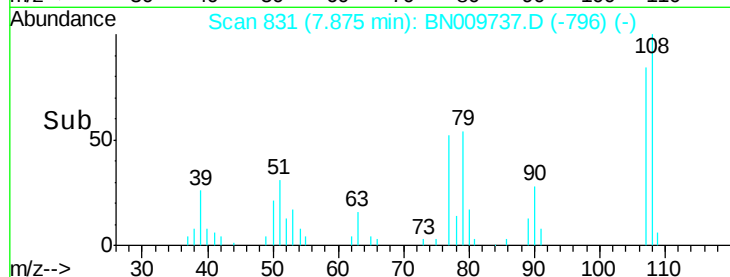
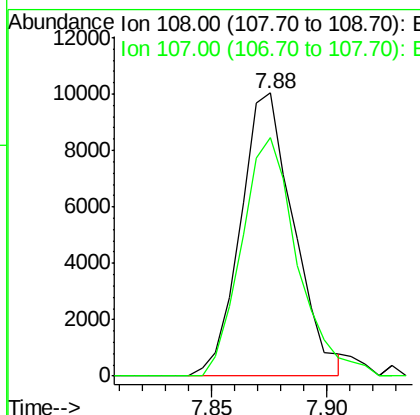
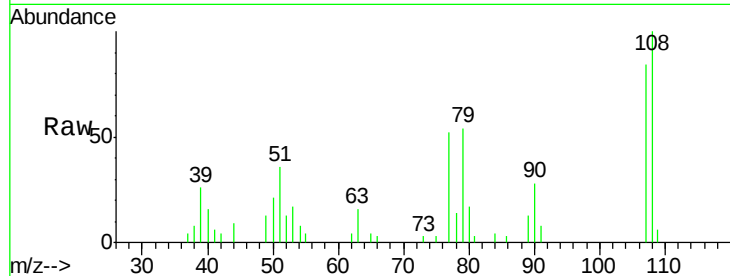
#11
2-Methylphenol
Concen: 2.233 ng/ul
RT: 7.88 min Scan# 831
Delta R.T. 0.01 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-06

Tot Ion: 108 Resp: 16180
Ion Ratio Lower Upper
108 100
107 84.2 72.3 108.5

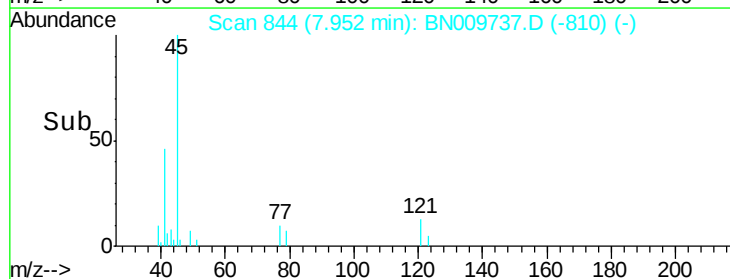
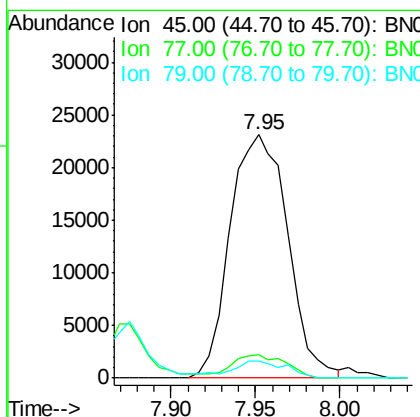
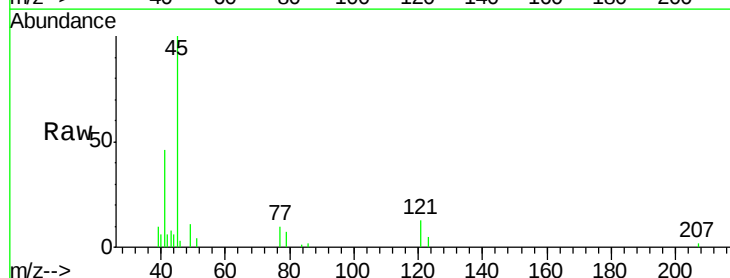
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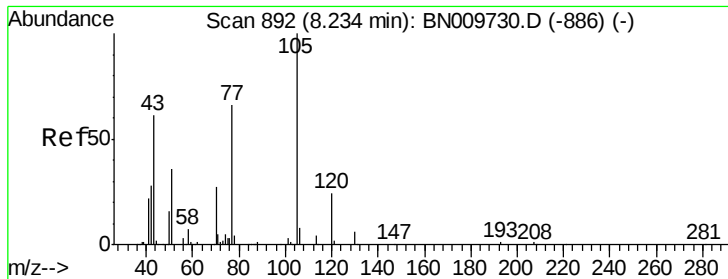
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#12
2,2'-oxybis(1-Chloropropane)
Concen: 2.868 ng/ul
RT: 7.95 min Scan# 844
Delta R.T. 0.00 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

Tgt Ion: 45 Resp: 54697
Ion Ratio Lower Upper
45 100
77 9.9 6.3 9.5#
79 7.0 5.1 7.7





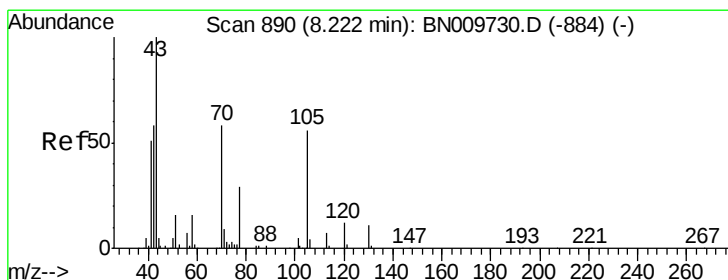
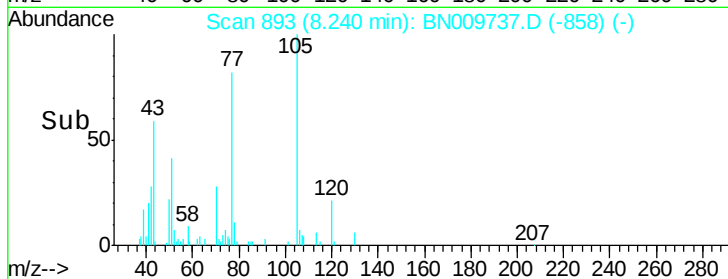
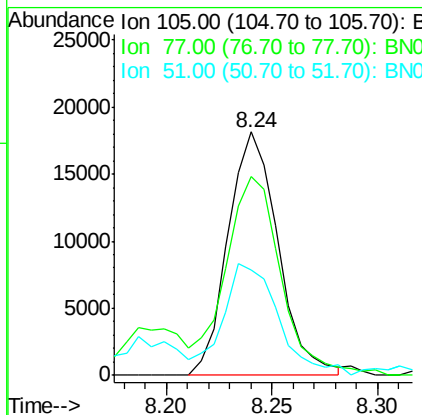
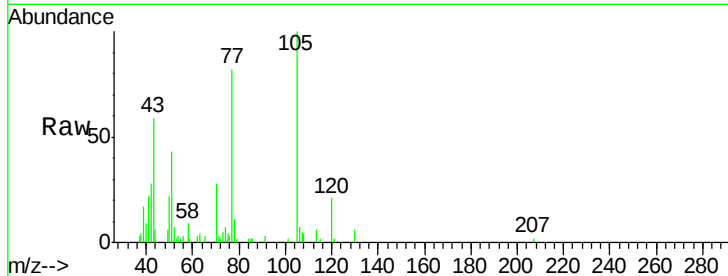
#14
Acetophenone
Concen: 2.493 ng/ul
RT: 8.24 min Scan# 893
Delta R.T. 0.01 min
Lab File: BN009737.D
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Tot Ion:	105	Resp:	29850
Ion Ratio	Lower	Upper	
105	100		
77	81.6	68.9	103.3
51	43.4	35.6	53.4

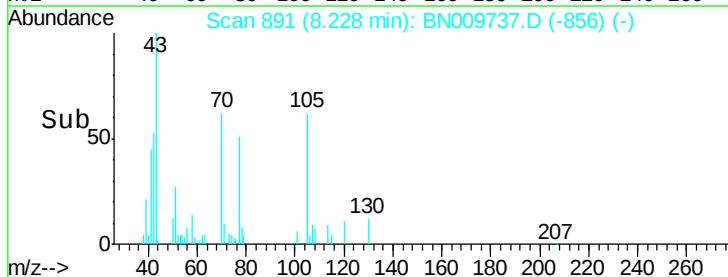
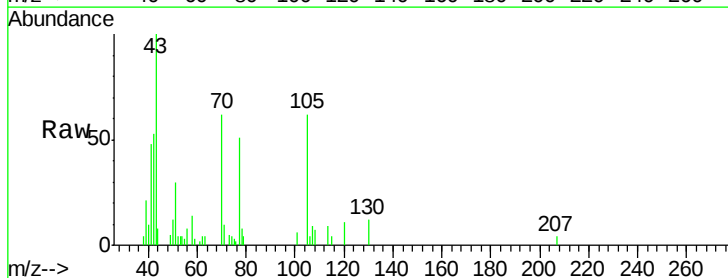
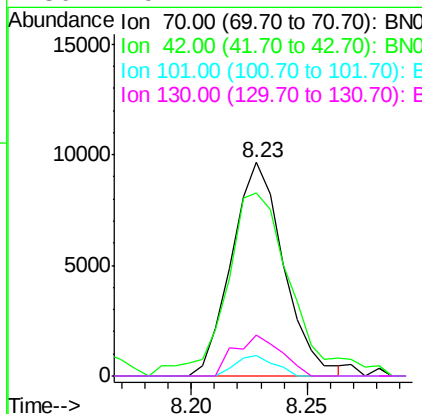
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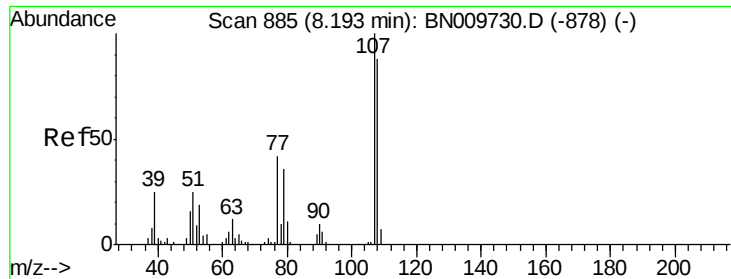
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#15
N-Nitroso-di-n-propylamine
Concen: 2.434 ng/ul
RT: 8.23 min Scan# 891
Delta R.T. 0.01 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

Tgt Ion:	70	Resp:	15231
Ion Ratio	Lower	Upper	
70	100		
42	86.0	72.6	108.8
101	9.7	7.7	11.5
130	19.2	14.7	22.1





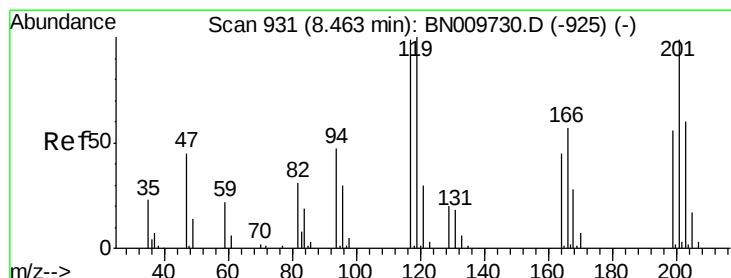
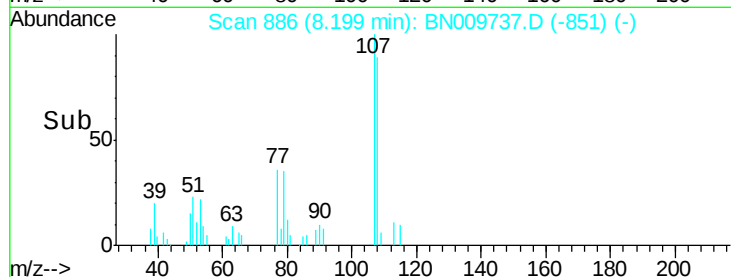
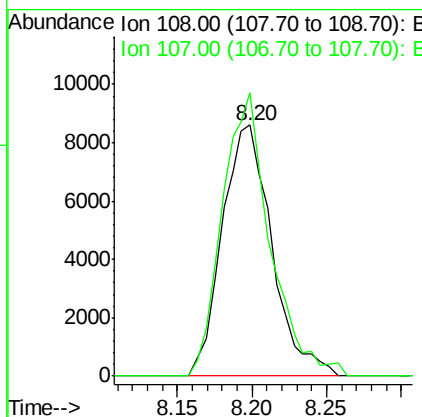
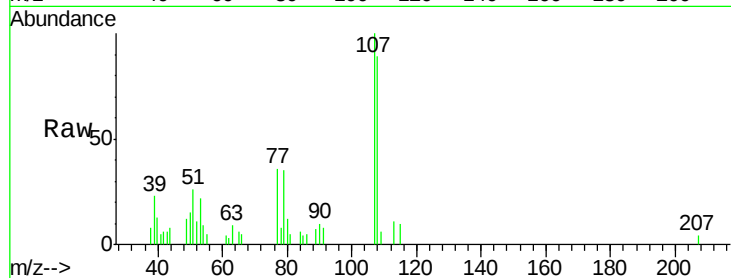
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4-Methylphenol
Concen: 2.505 ng/ul
RT: 8.20 min Scan# 886
Delta R.T. 0.01 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

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ClientSampleId :
MDL-SOIL-06

Tot Ion	Ratio	Lower	Upper
108	100		
107	112.7	86.4	129.6

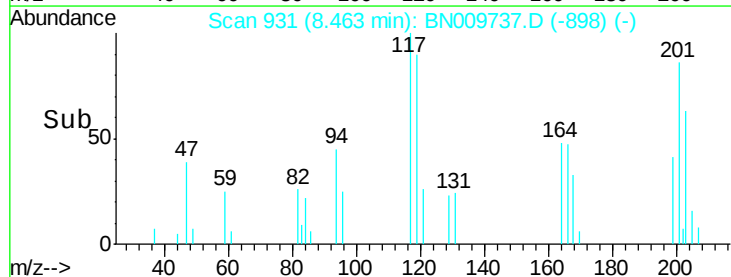
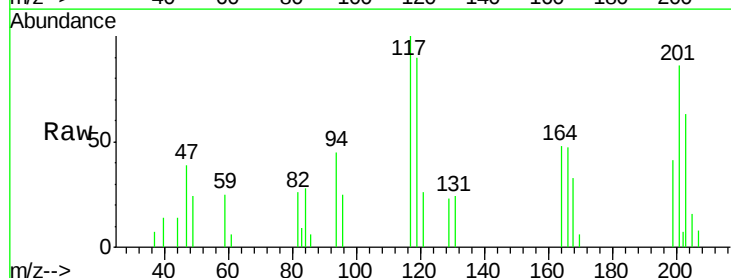
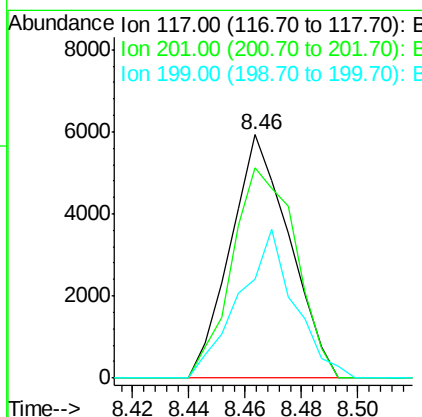
Manual Integrations
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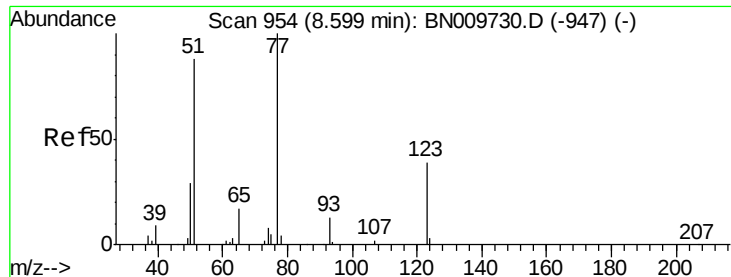
mohammad
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#17
Hexachloroethane
Concen: 2.577 ng/ul
RT: 8.46 min Scan# 931
Delta R.T. -0.01 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.4	76.6	115.0
199	40.6	49.1	73.7#





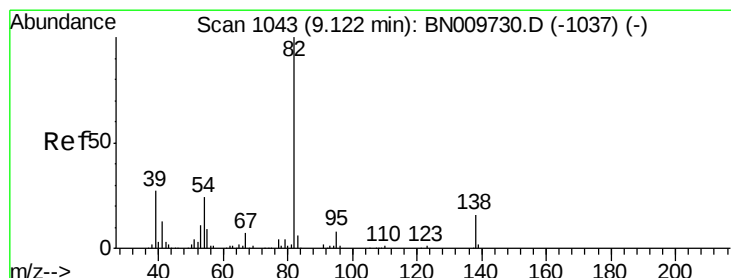
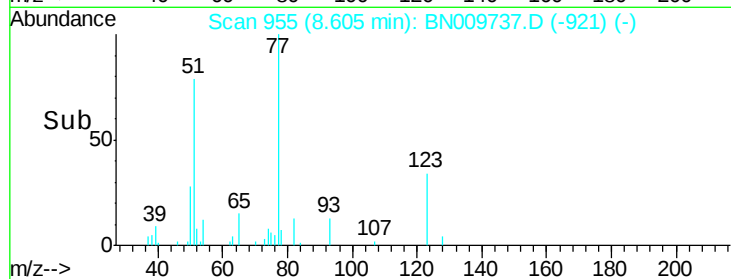
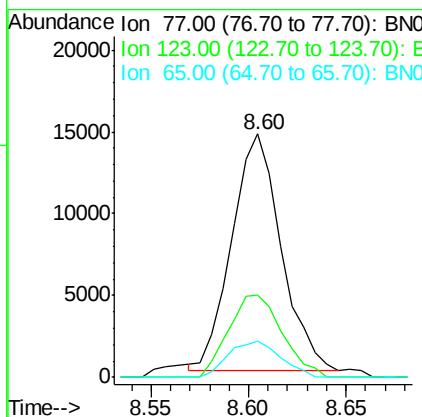
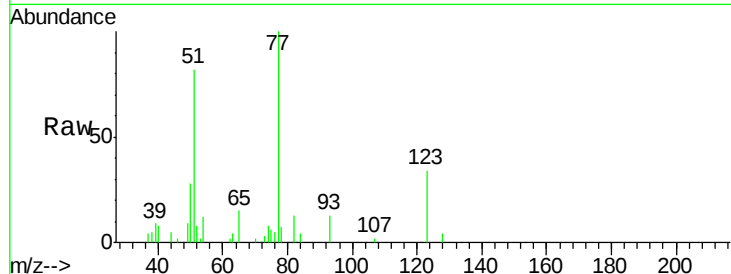
#20
Nitrobenzene
Concen: 2.592 ng/ul
RT: 8.60 min Scan# 955
Delta R.T. 0.00 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-06

Tot Ion	Ratio	Lower	Upper
77	100		
123	33.8	30.5	45.7
65	15.1	13.4	20.2

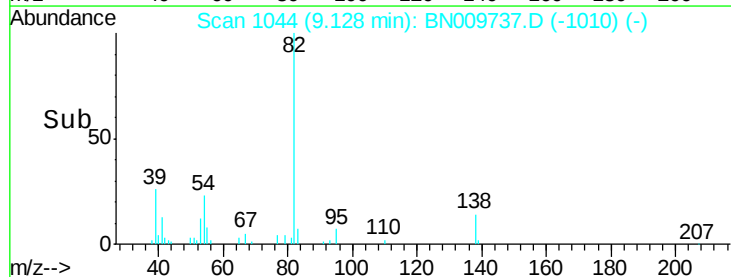
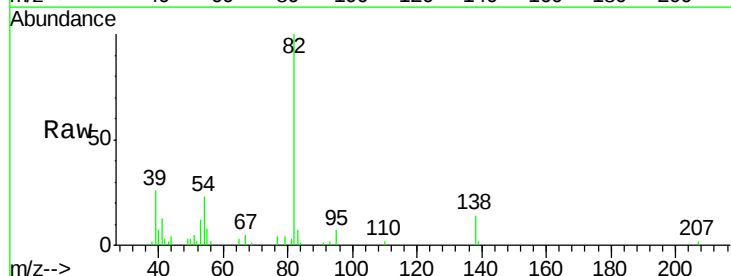
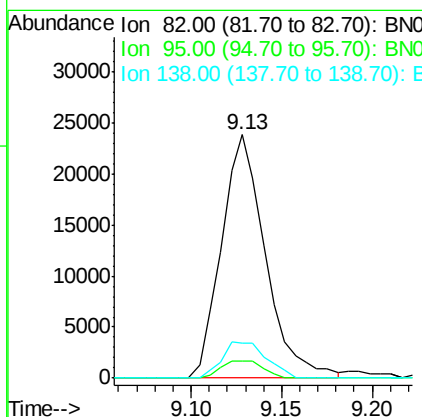
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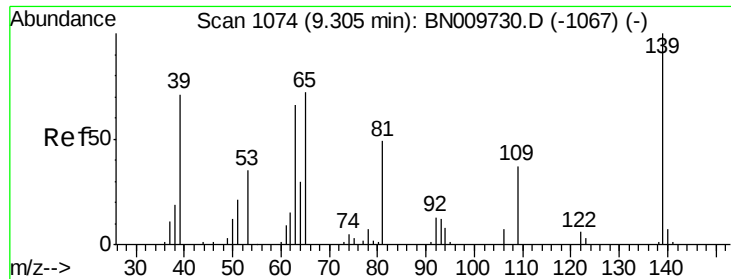
mohammad
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#21
Isophorone
Concen: 2.344 ng/ul
RT: 9.13 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

Tgt Ion	Ratio	Lower	Upper
82	100		
95	6.9	6.0	9.0
138	14.5	12.6	19.0





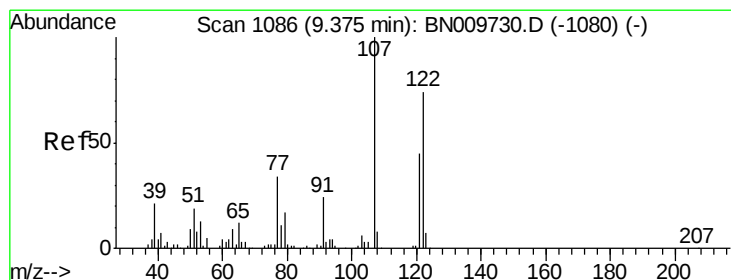
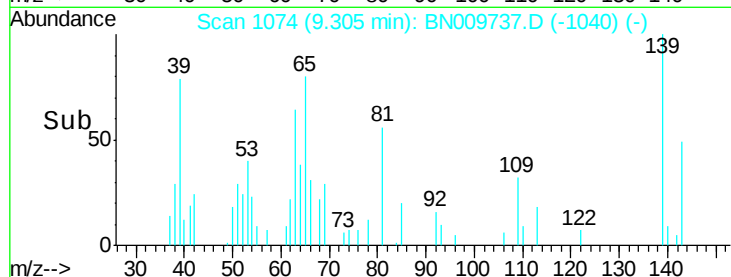
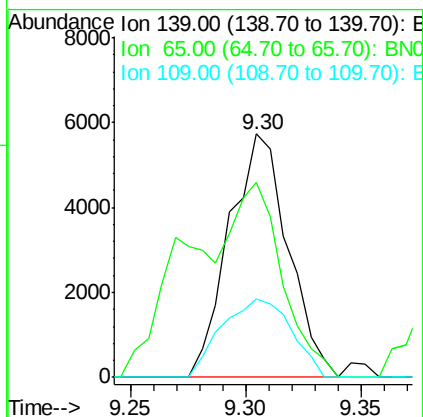
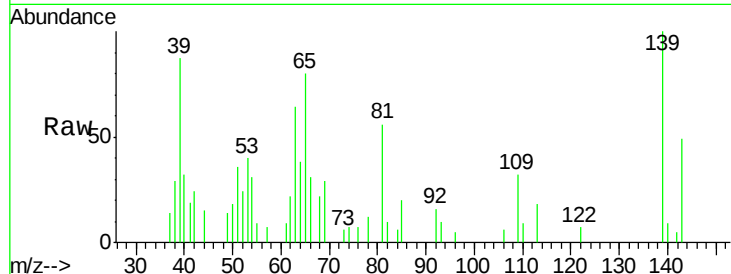
#23
 2-Nitrophenol
 Concen: 2.510 ng/ul
 RT: 9.30 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: BN009737.D
 Acq: 17 Feb 2020 14:20

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-06

Tot Ion	Ratio	Resp	Lower	Upper
139	100	10164		
65	79.9	58.0	87.0	
109	32.4	28.8	43.2	

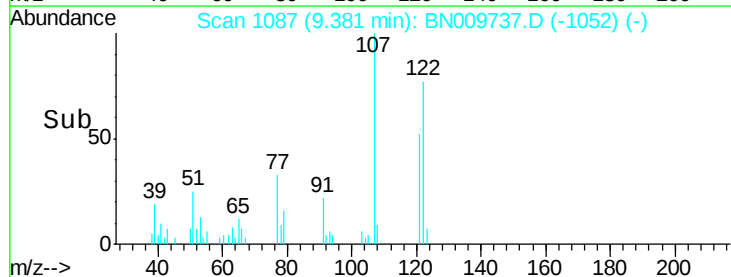
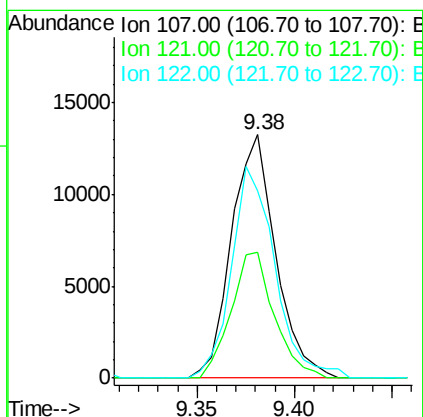
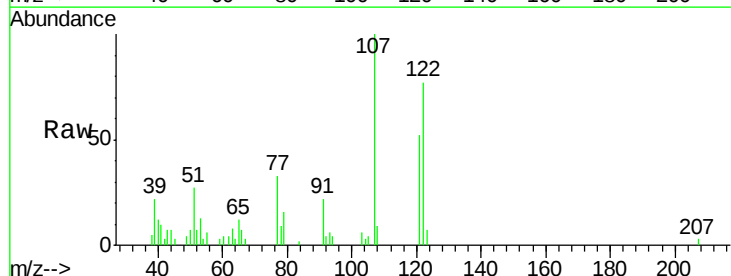
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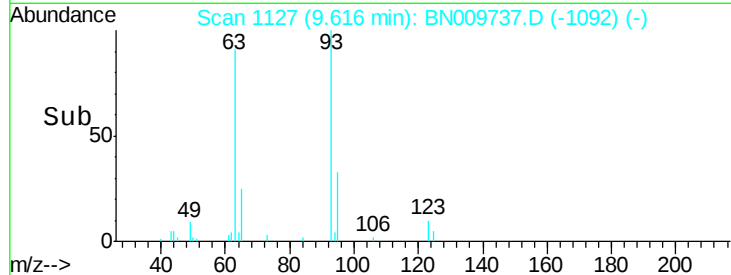
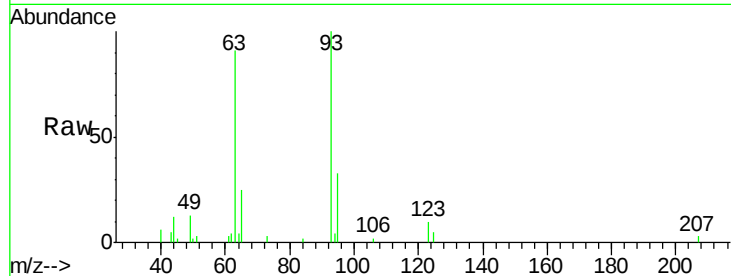
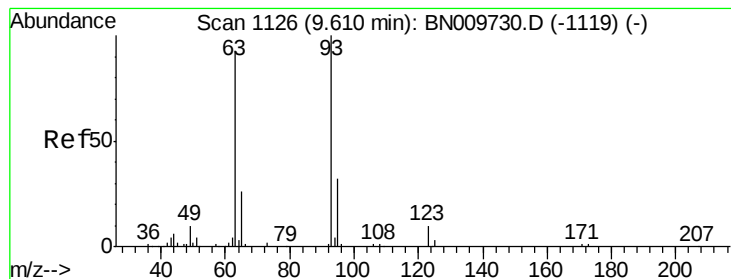
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#24
 2,4-Dimethylphenol
 Concen: 2.367 ng/ul
 RT: 9.38 min Scan# 1087
 Delta R.T. 0.01 min
 Lab File: BN009737.D
 Acq: 17 Feb 2020 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	20814		
121	52.0	38.5	57.7	
122	76.7	62.9	94.3	





#25

Bis(2-Chloroethoxy)methane

Concen: 2.534 ng/ul

RT: 9.62 min Scan# 1127

Delta R.T. 0.01 min

Lab File: BN009737.D

Acq: 17 Feb 2020 14:20

Tot Ion:	93	Resp:	26575
Ion Ratio	Lower	Upper	
93	100		
95	33.2	25.1	37.7
123	10.0	8.9	13.3

Instrument :

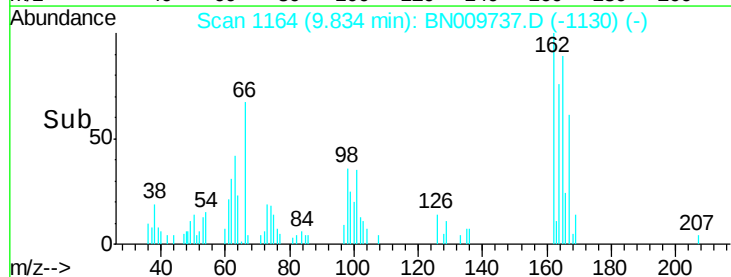
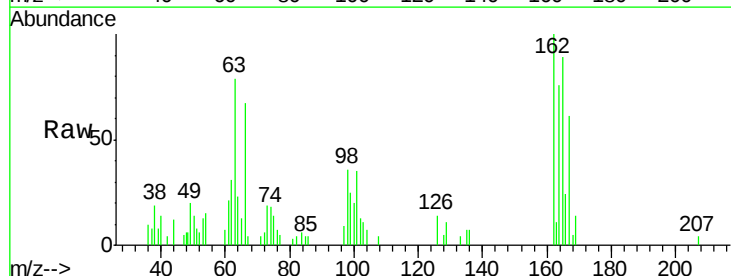
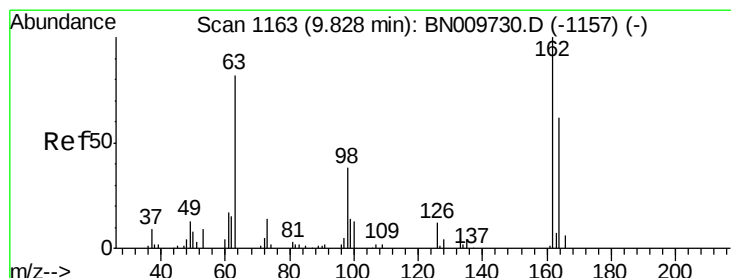
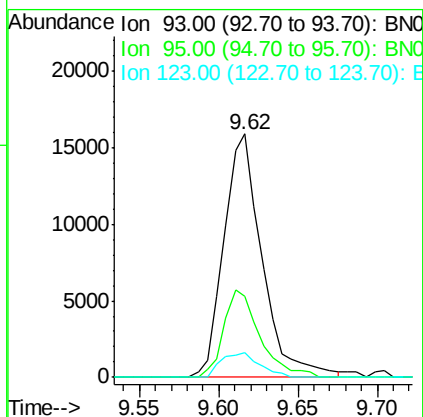
BNA_N

ClientSampleId :

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#27

2,4-Dichlorophenol

Concen: 2.571 ng/ul

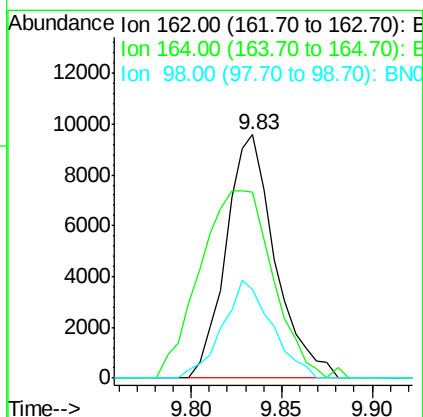
RT: 9.83 min Scan# 1164

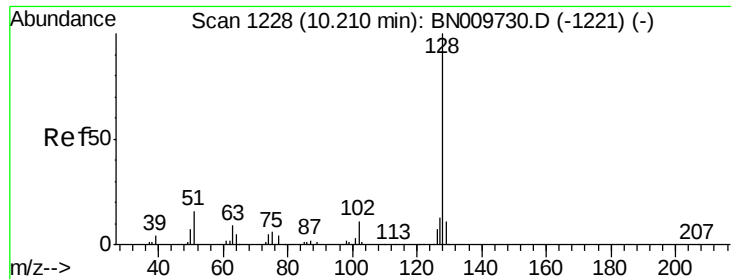
Delta R.T. 0.00 min

Lab File: BN009737.D

Acq: 17 Feb 2020 14:20

Tgt Ion:	162	Resp:	18051
Ion Ratio	Lower	Upper	
162	100		
164	76.5	50.5	75.7#
98	36.3	28.7	43.1





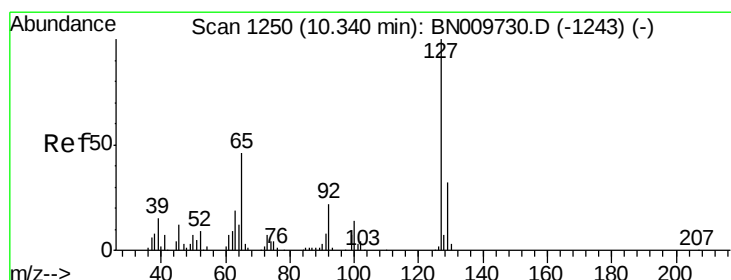
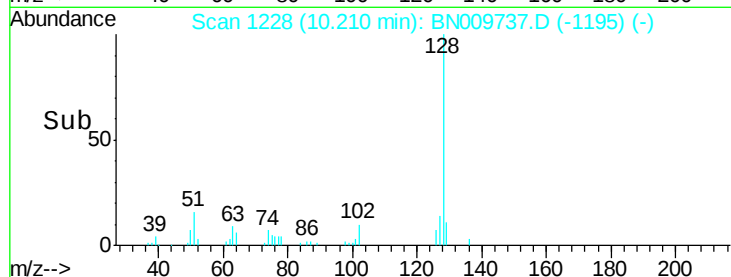
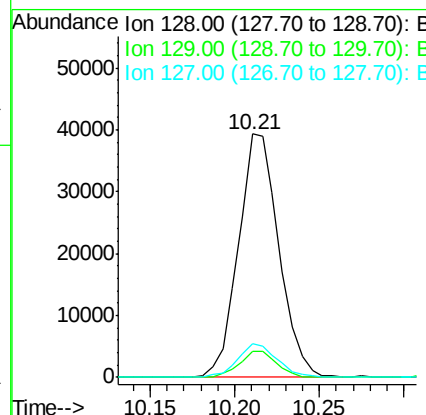
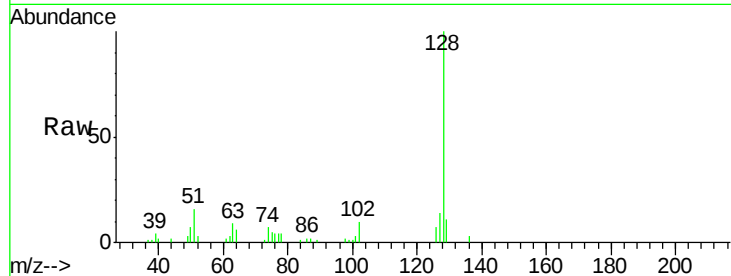
#28
Naphthalene
Concen: 2.688 ng/ul
RT: 10.21 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-06

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.6	13.0
127	13.7	10.3	15.5

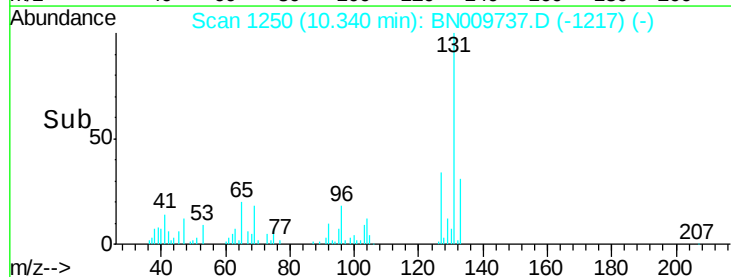
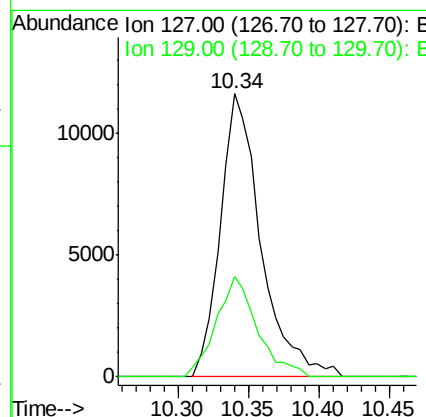
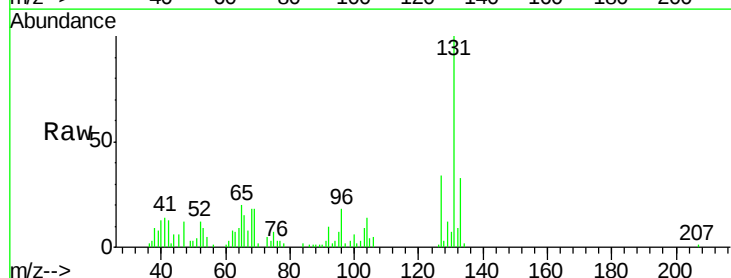
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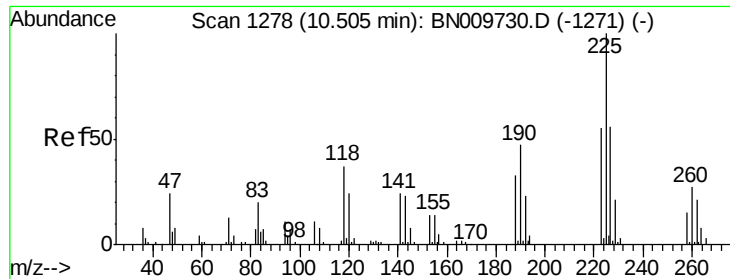
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#30
4-Chloroaniline
Concen: 2.907 ng/ul
RT: 10.34 min Scan# 1250
Delta R.T. -0.01 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

Tgt Ion	Ratio	Lower	Upper
127	100		
129	35.3	24.8	37.2





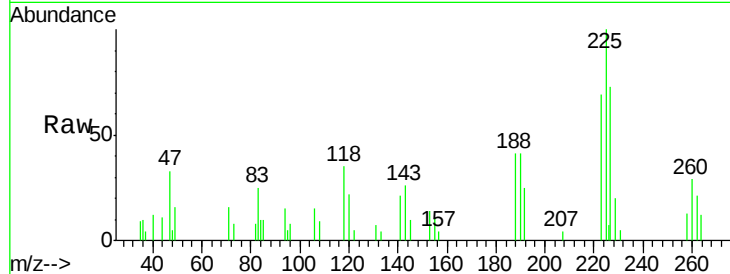
#31
Hexachlorobutadiene
Concen: 2.725 ng/ul
RT: 10.50 min Scan# 1278
Delta R.T. 0.00 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

Instrument :
BNA_N
ClientSampled :
MDL-SOIL-06

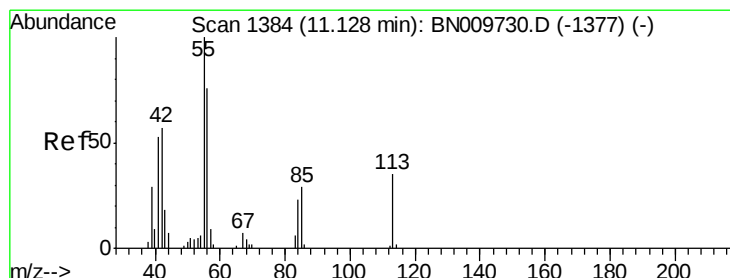
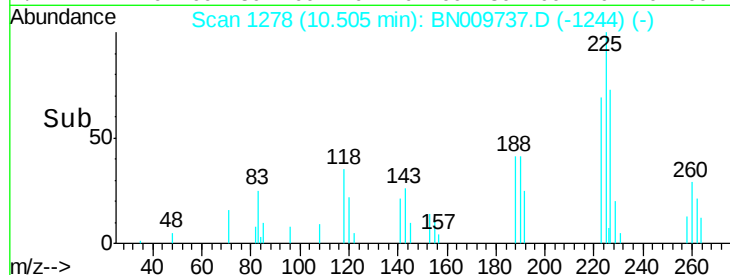
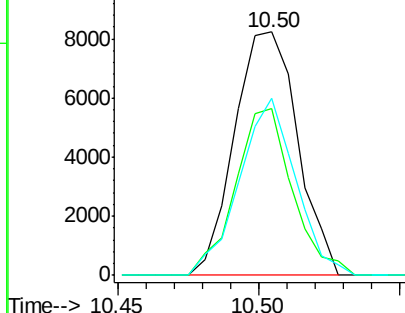
Tot Ion	Ratio	Lower	Upper
225	100		
223	68.6	47.0	70.4
227	72.7	57.3	85.9

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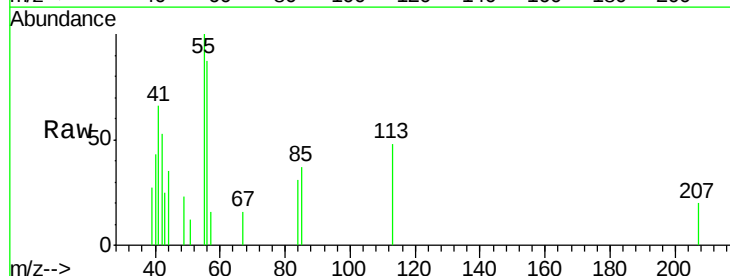


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

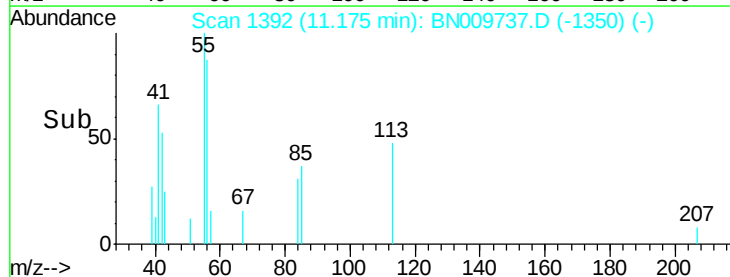
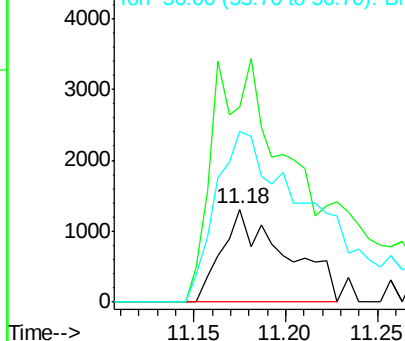


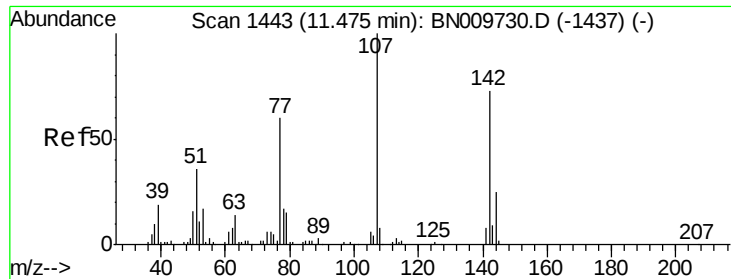
#32
Caprolactam
Concen: 1.336 ng/ul m
RT: 11.18 min Scan# 1392
Delta R.T. 0.05 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

Tgt Ion	Ratio	Lower	Upper
113	100		
55	210.5	209.1	313.7
56	183.3	161.6	242.4



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BNC
Ion 56.00 (55.70 to 56.70): BNC





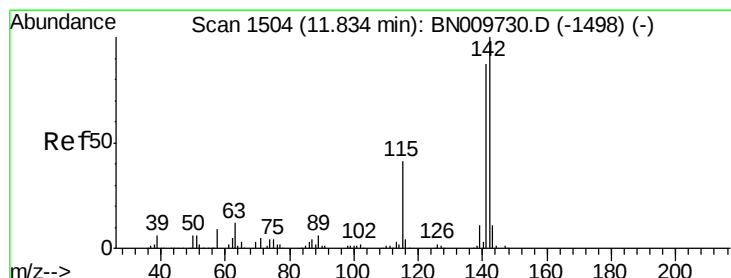
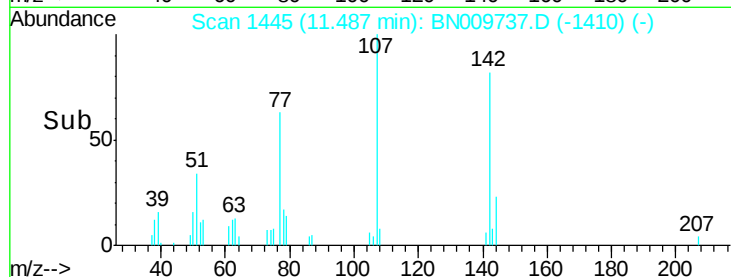
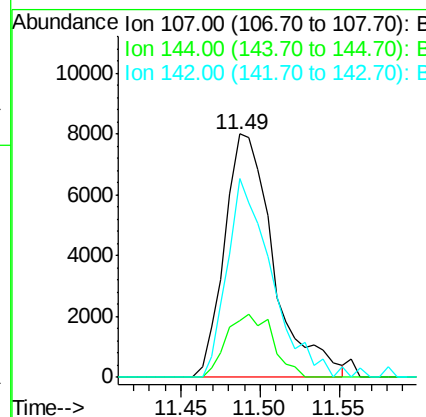
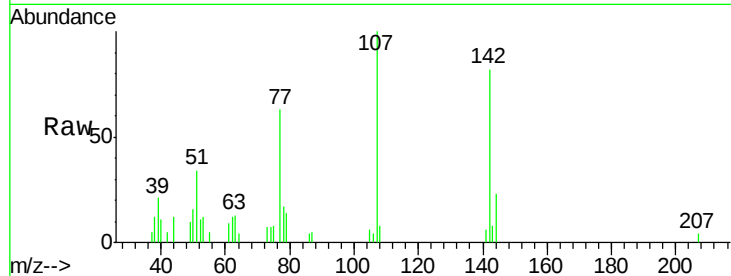
#33
 4-Chloro-3-methylphenol
 Concen: 2.148 ng/ul
 RT: 11.49 min Scan# 1445
 Delta R.T. 0.01 min
 Lab File: BN009737.D
 Acq: 17 Feb 2020 14:20

Instrument :
 BNA_N
 ClientSampled :
 MDL-SOIL-06

Tot Ion	Ratio	Lower	Upper
107	100		
144	23.0	19.3	28.9
142	81.7	59.5	89.3

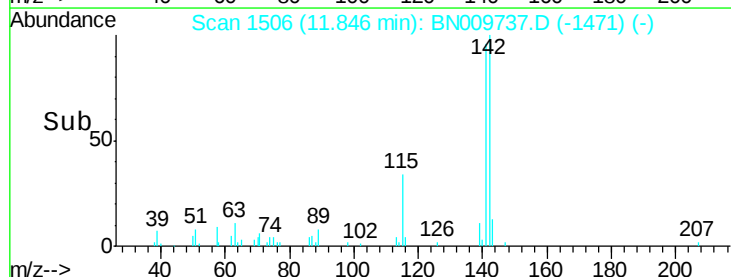
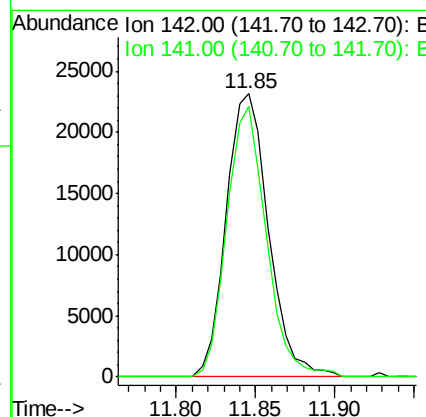
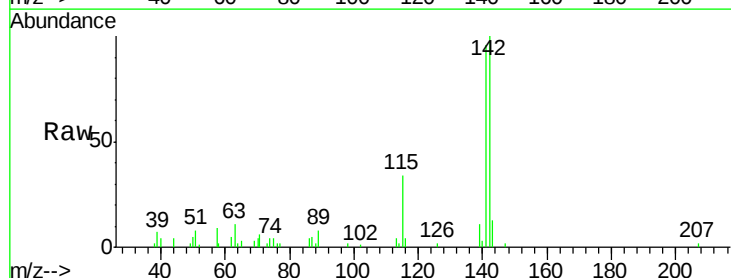
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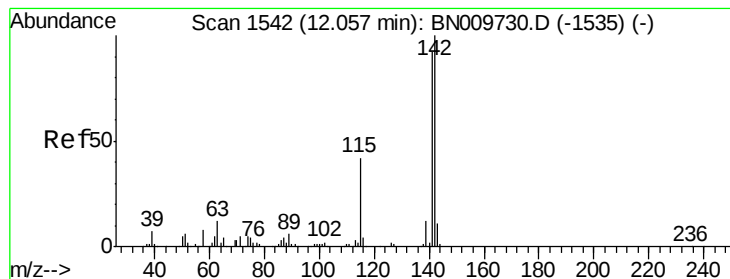
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#34
 2-Methylnaphthalene
 Concen: 2.526 ng/ul
 RT: 11.85 min Scan# 1506
 Delta R.T. 0.01 min
 Lab File: BN009737.D
 Acq: 17 Feb 2020 14:20

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.7	72.1	108.1





#35

1-Methylnaphthalene

Concen: 2.765 ng/uL

RT: 12.06 min Scan# 1543

Delta R.T. 0.00 min

Lab File: BN009737.D

Acq: 17 Feb 2020 14:20

Instrument :

BNA_N

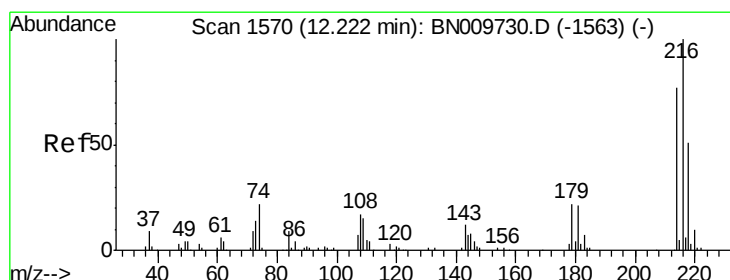
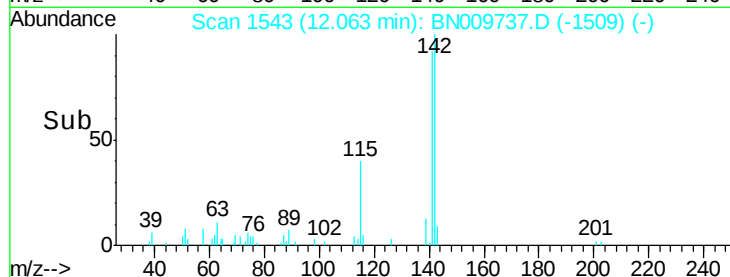
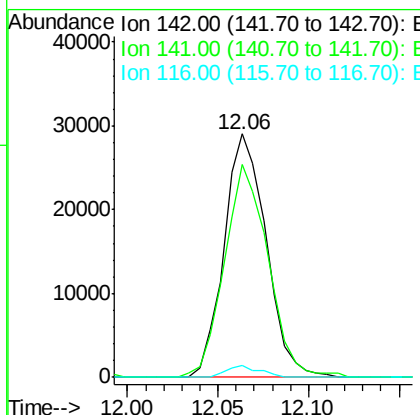
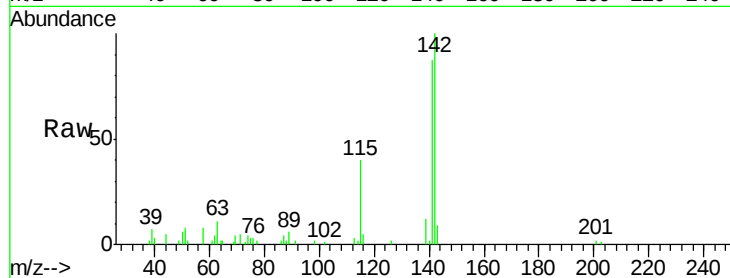
ClientSampleId :

MDL-SOIL-06

Tot Ion:	142	Resp:	46923
Ion Ratio	Lower	Upper	
142	100		
141	90.3	72.8	109.2
116	3.8	3.2	4.8

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#37

1,2,4,5-Tetrachlorobenzene

Concen: 2.575 ng/uL

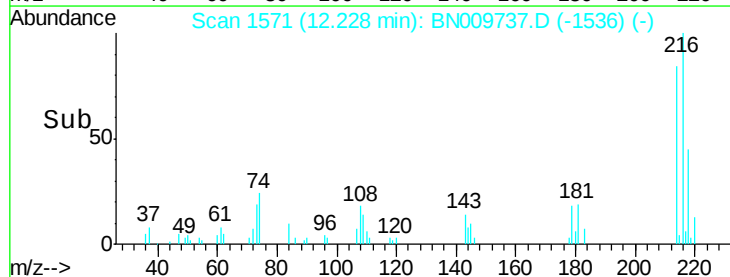
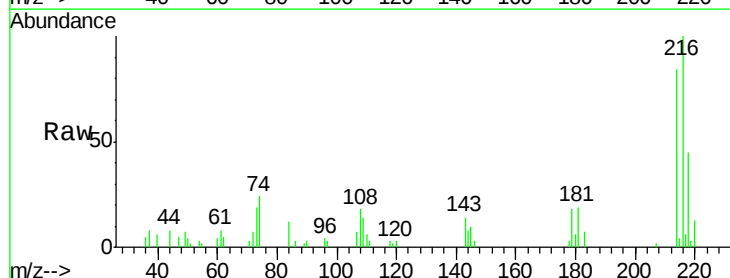
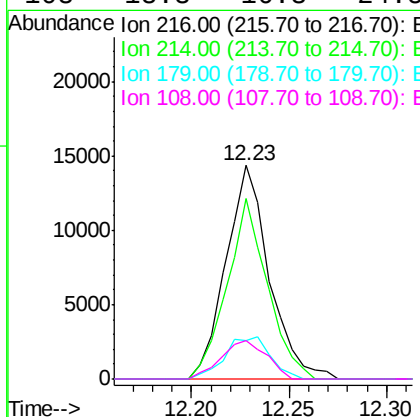
RT: 12.23 min Scan# 1571

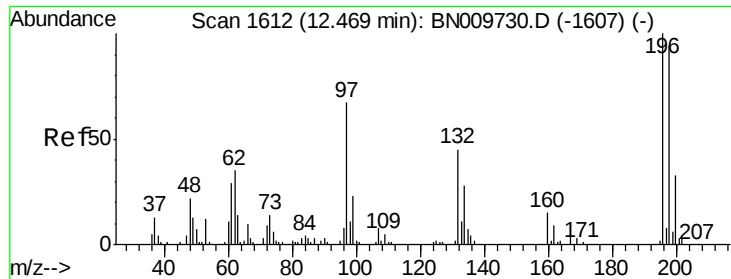
Delta R.T. 0.01 min

Lab File: BN009737.D

Acq: 17 Feb 2020 14:20

Tgt Ion:	216	Resp:	22042
Ion Ratio	Lower	Upper	
216	100		
214	84.5	64.8	97.2
179	18.1	17.6	26.4
108	18.3	16.3	24.5





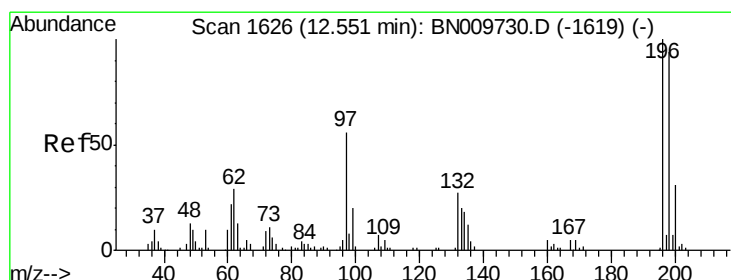
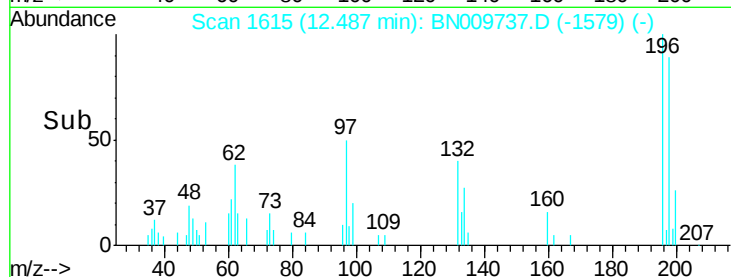
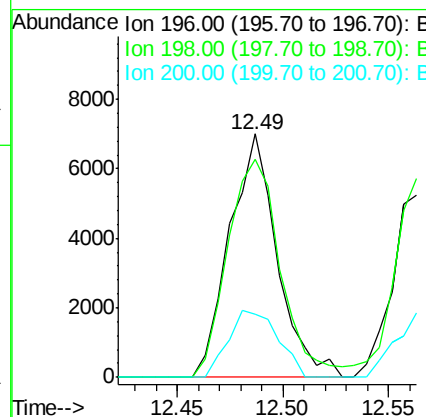
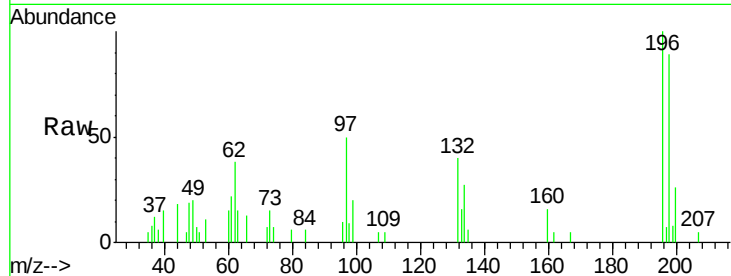
#39
 2,4,6-Trichlorophenol
 Concen: 2.014 ng/ul
 RT: 12.49 min Scan# 1615
 Delta R.T. 0.01 min
 Lab File: BN009737.D
 Acq: 17 Feb 2020 14:20

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-06

Tot Ion	Ratio	Resp	Lower	Upper
196	100	10939		
198	89.5	77.2	115.8	
200	26.1	26.8	40.2	

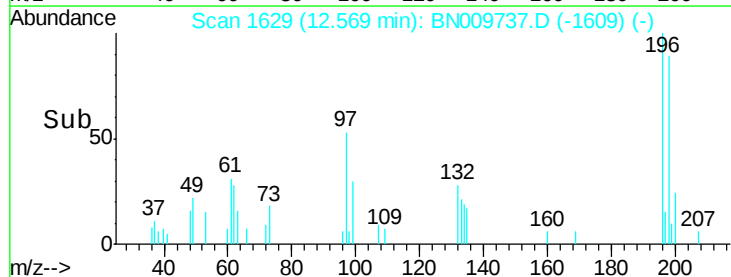
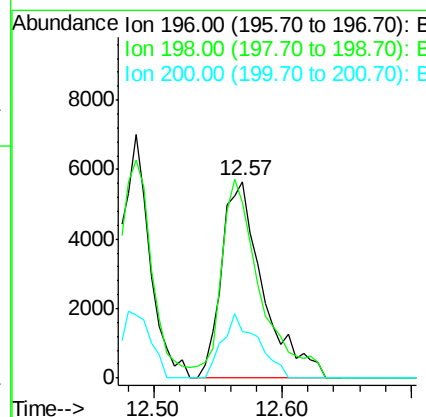
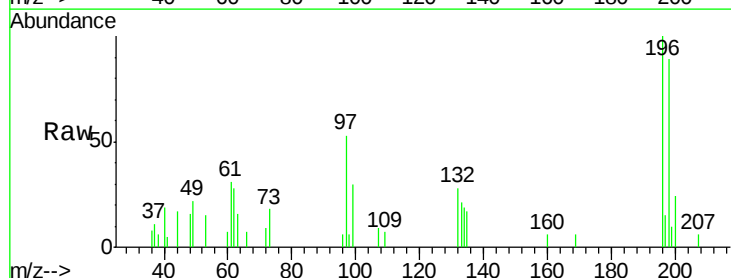
Manual Integrations
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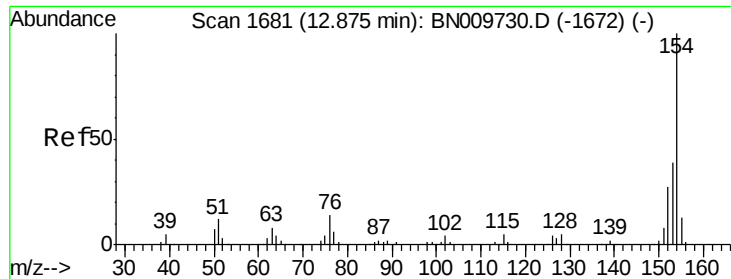
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#40
 2,4,5-Trichlorophenol
 Concen: 2.155 ng/ul m
 RT: 12.57 min Scan# 1629
 Delta R.T. 0.02 min
 Lab File: BN009737.D
 Acq: 17 Feb 2020 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	12559		
198	89.4	75.0	112.6	
200	24.0	24.2	36.4	





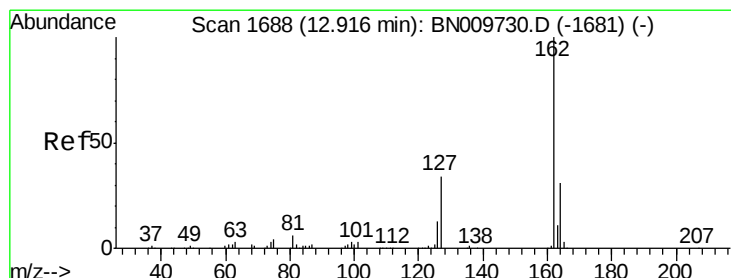
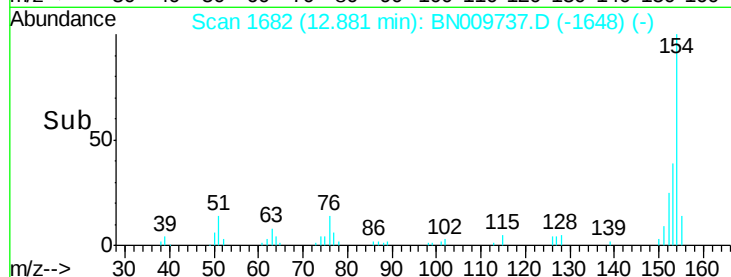
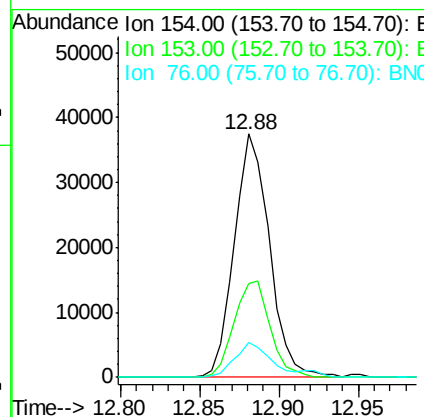
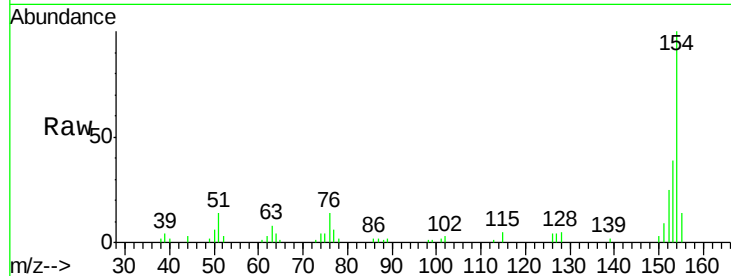
#41
 1,1'-Biphenyl
 Concen: 2.607 ng/ul
 RT: 12.88 min Scan# 1682
 Delta R.T. 0.00 min
 Lab File: BN009737.D
 Acq: 17 Feb 2020 14:20

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-06

Tot Ion:	154	Resp:	57821
Ion Ratio	Lower	Upper	
154	100		
153	38.6	33.2	49.8
76	14.1	11.0	16.4

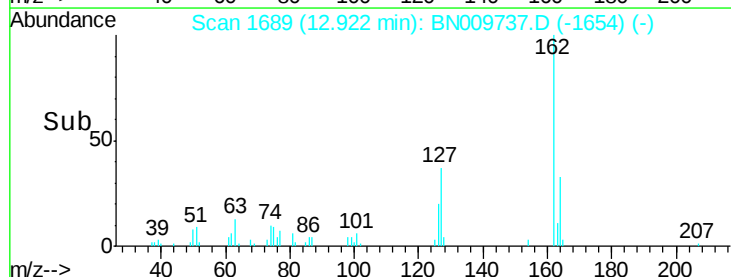
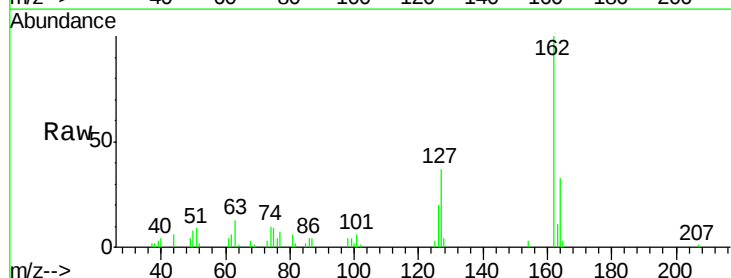
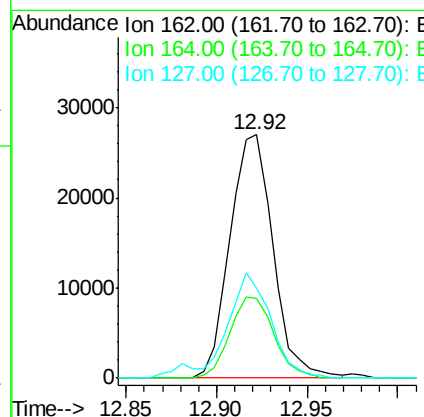
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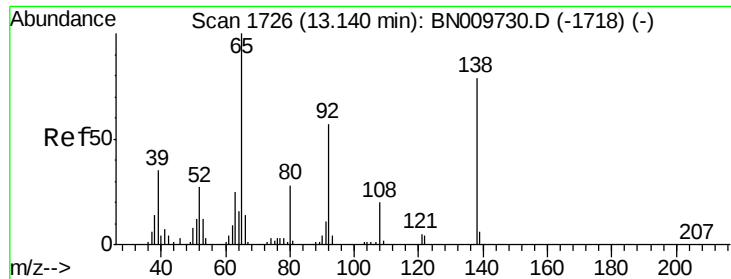
mohammad
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#42
 2-Chloronaphthalene
 Concen: 2.541 ng/ul
 RT: 12.92 min Scan# 1689
 Delta R.T. 0.01 min
 Lab File: BN009737.D
 Acq: 17 Feb 2020 14:20

Tgt Ion:	162	Resp:	44758
Ion Ratio	Lower	Upper	
162	100		
164	32.6	25.7	38.5
127	37.1	31.4	47.2





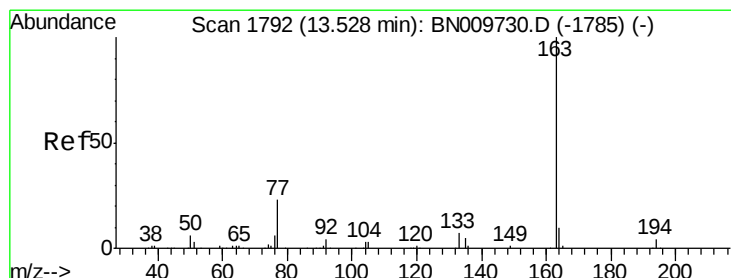
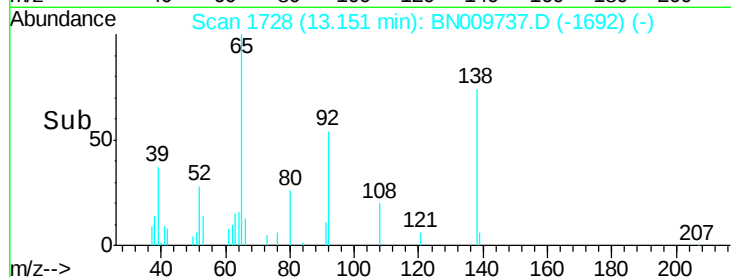
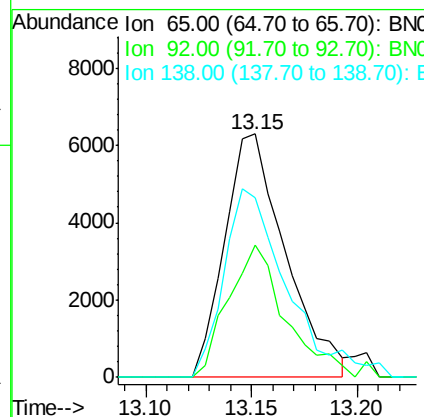
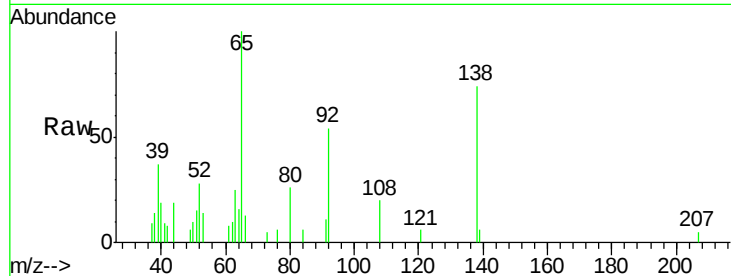
#43
2-Nitroaniline
Concen: 1.956 ng/ul
RT: 13.15 min Scan# 1728
Delta R.T. 0.01 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-06

Tot Ion	Ratio	Lower	Upper
65	100		
92	54.4	43.6	65.4
138	73.6	61.3	91.9

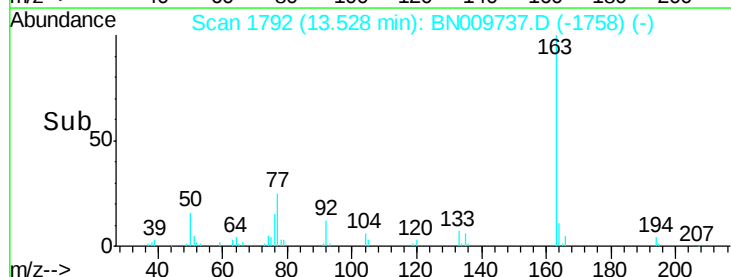
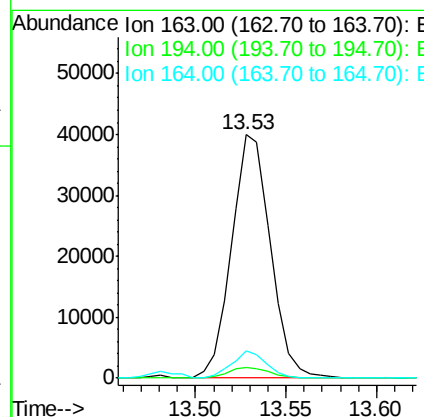
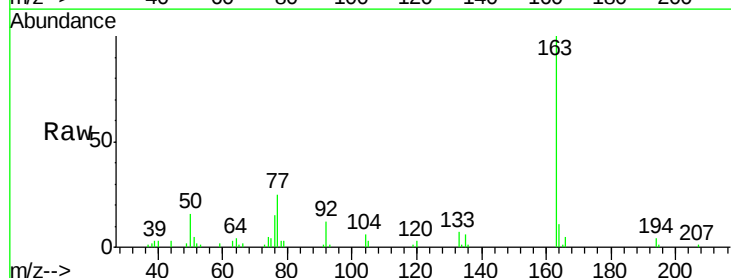
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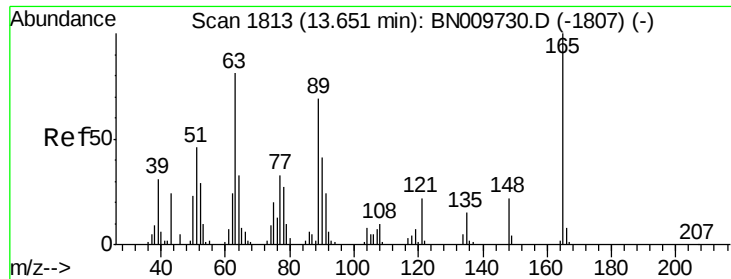
mohammad
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#45
Dimethylphthalate
Concen: 2.645 ng/ul
RT: 13.53 min Scan# 1792
Delta R.T. 0.00 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.0
164	11.1	8.0	12.0





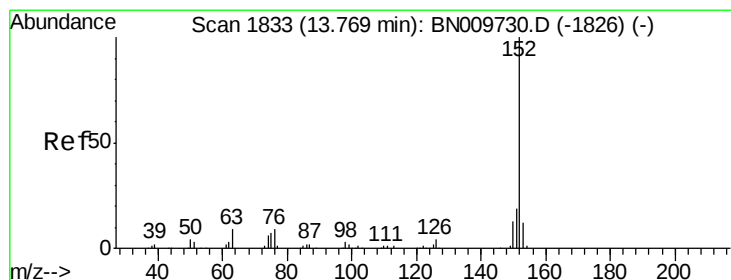
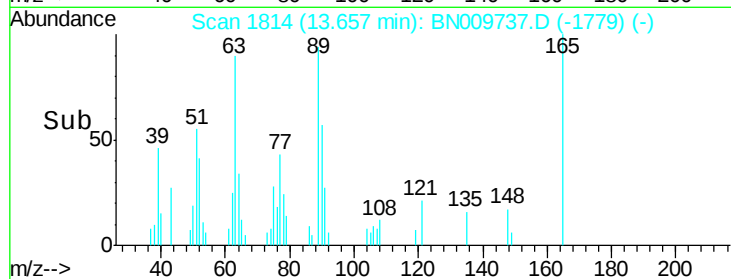
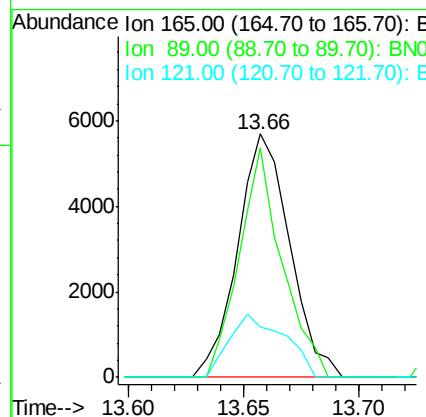
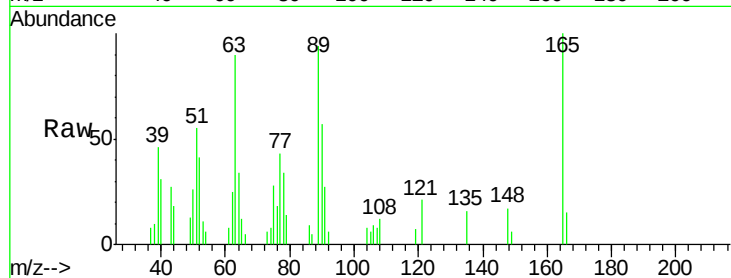
#46
2,6-Dinitrotoluene
Concen: 2.032 ng/ul
RT: 13.66 min Scan# 1814
Delta R.T. 0.01 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-06

Tot Ion	Ratio	Lower	Upper
165	100		
89	94.1	54.1	81.1#
121	20.9	18.1	27.1

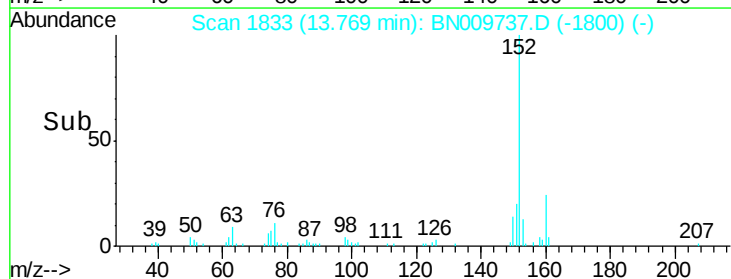
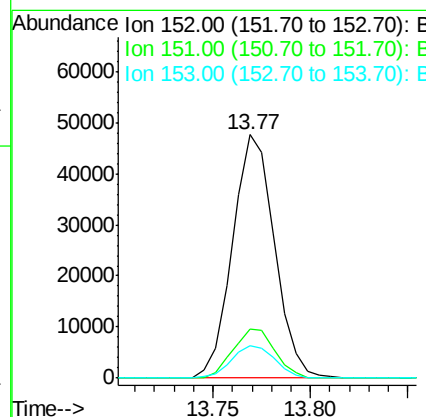
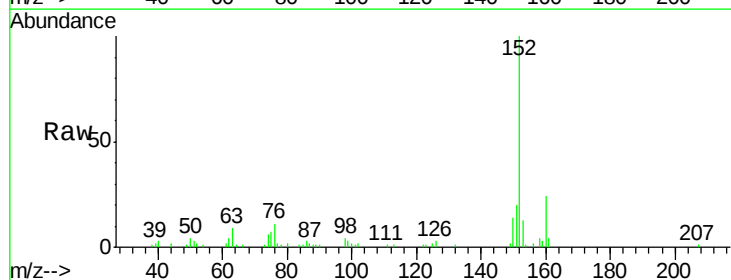
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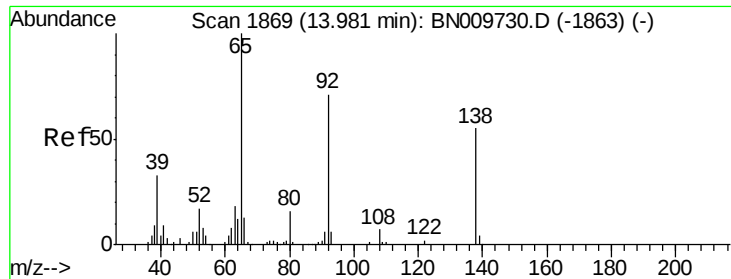
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#48
Acenaphthylene
Concen: 2.585 ng/ul
RT: 13.77 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.7	23.5
153	13.1	10.3	15.5





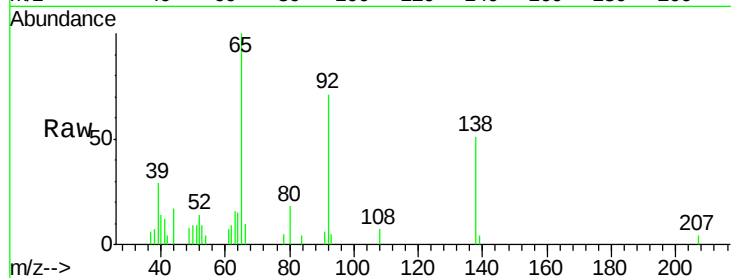
#49
3-Nitroaniline
Concen: 1.884 ng/ul
RT: 14.00 min Scan# 1872
Delta R.T. 0.02 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-06

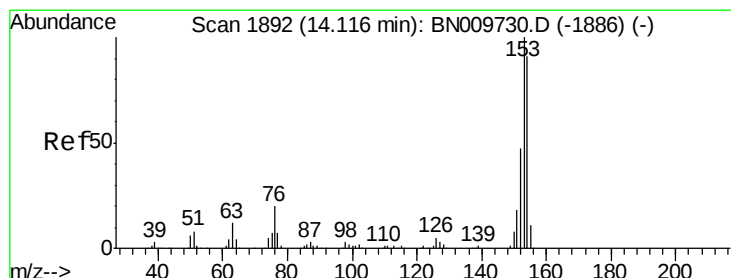
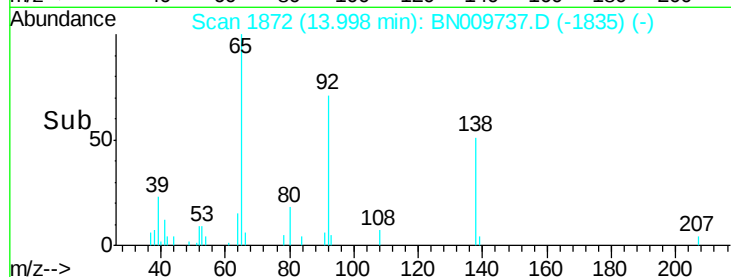
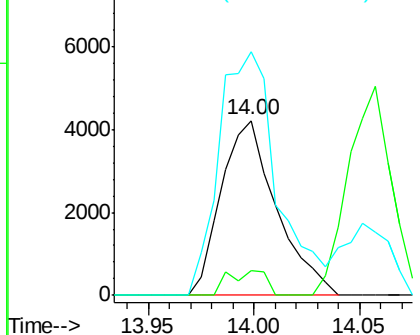
Tot Ion	Ratio	Lower	Upper
138	100		
108	14.4	8.9	13.3#
92	139.4	99.2	148.8

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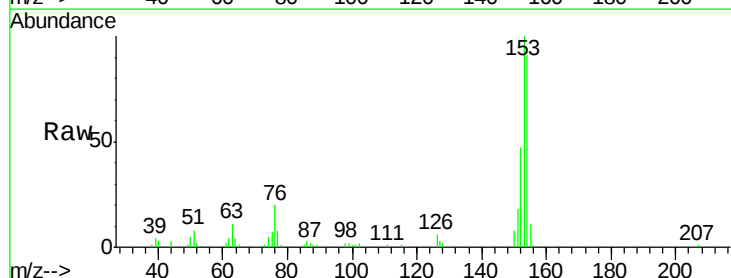


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BNC

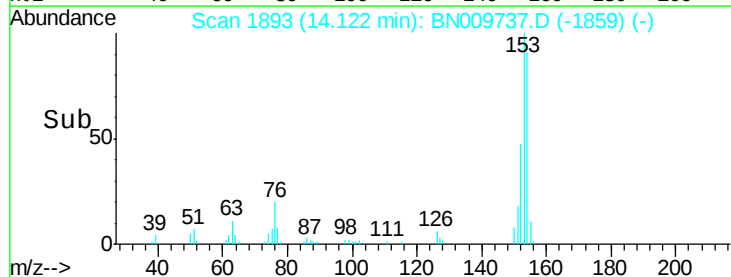
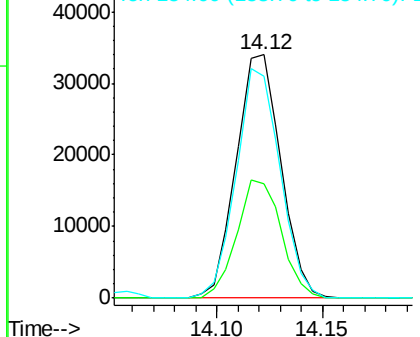


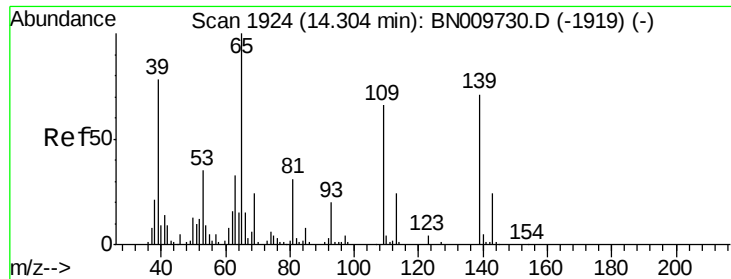
#50
Acenaphthene
Concen: 2.654 ng/ul
RT: 14.12 min Scan# 1893
Delta R.T. 0.00 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.9	36.6	54.8
154	91.2	70.6	106.0



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





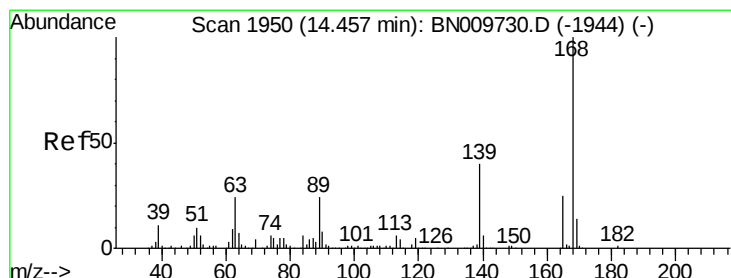
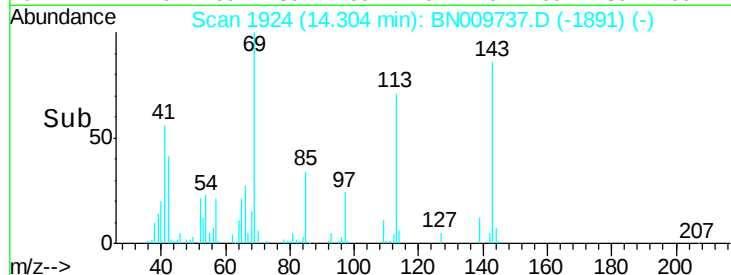
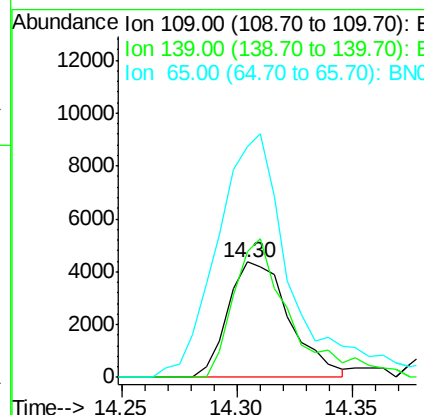
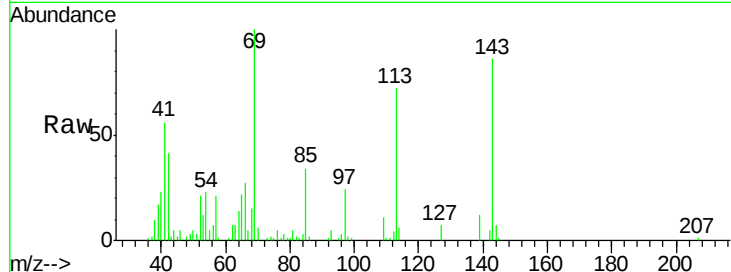
#53
4-Nitrophenol
Concen: 2.292 ng/ul
RT: 14.30 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-06

Tot Ion	Ratio	Lower	Upper
109	100		
139	109.1	96.3	144.5
65	199.7	129.9	194.9#

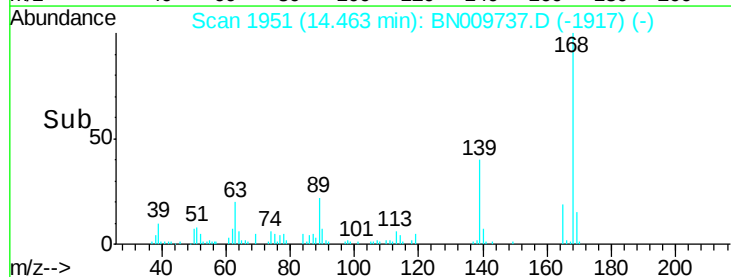
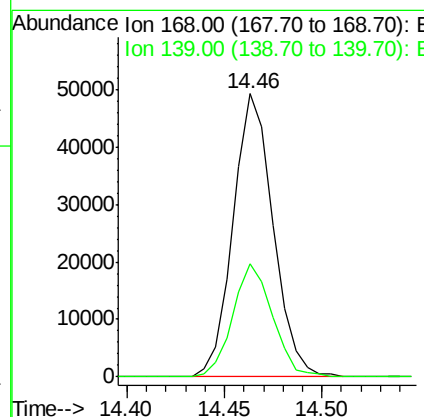
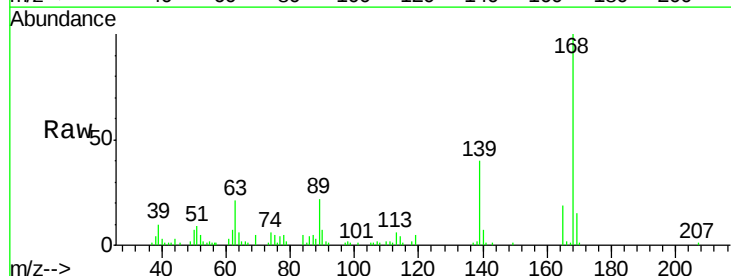
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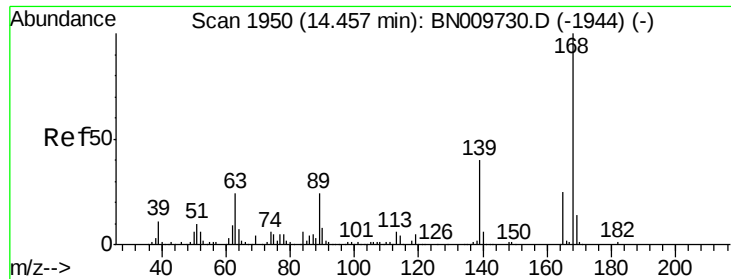
mohammad
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#54
Dibenzofuran
Concen: 2.642 ng/ul
RT: 14.46 min Scan# 1951
Delta R.T. 0.00 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

Tgt Ion	Ratio	Lower	Upper
168	100		
139	39.8	32.7	49.1





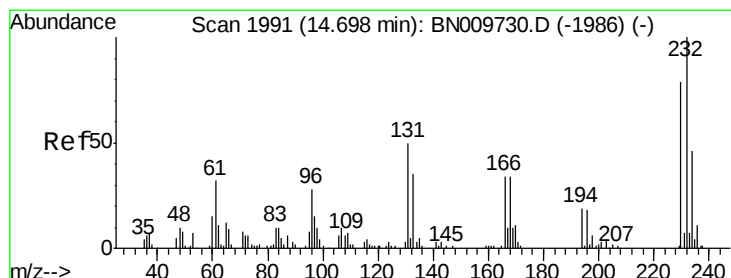
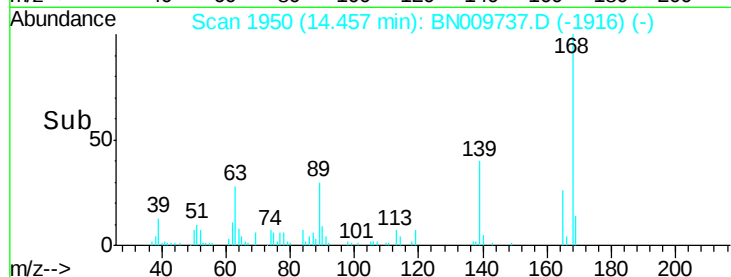
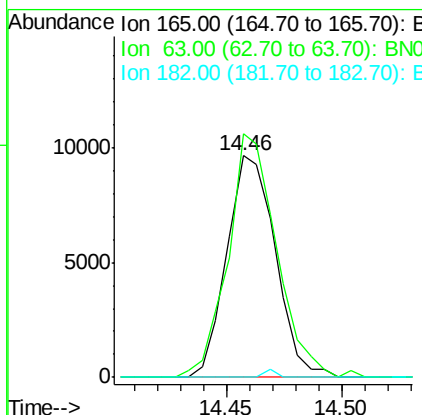
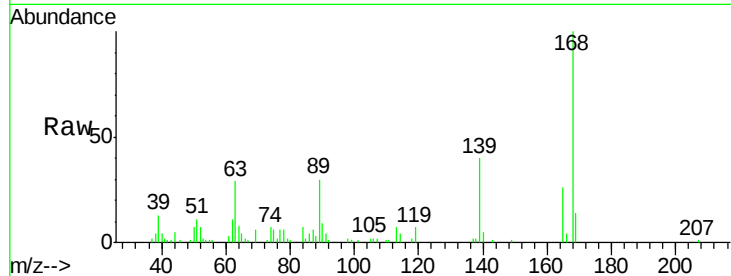
#55
 2,4-Dinitrotoluene
 Concen: 2.172 ng/ul
 RT: 14.46 min Scan# 1950
 Delta R.T. 0.00 min
 Lab File: BN009737.D
 Acq: 17 Feb 2020 14:20

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-06

Tot Ion	Ratio	Lower	Upper
165	100		
63	109.8	68.3	102.5#
182	0.0	2.2	3.4#

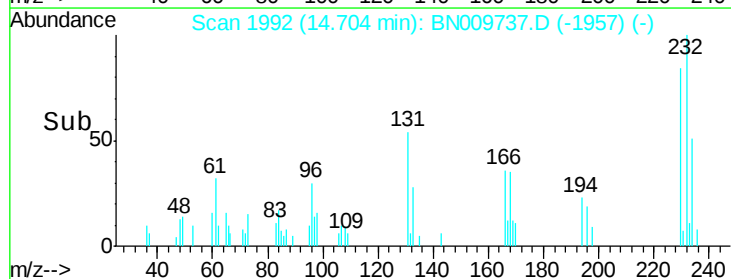
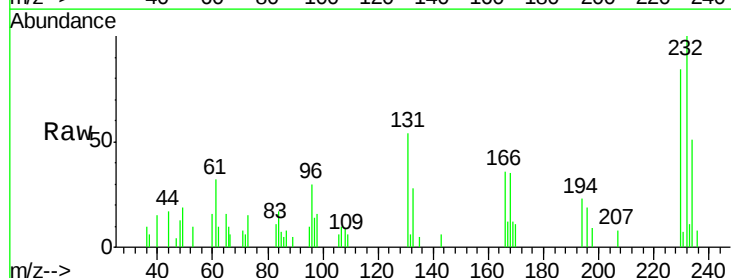
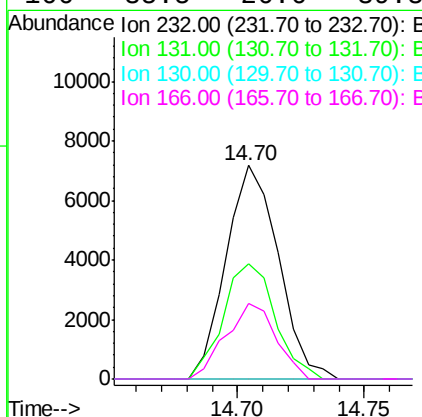
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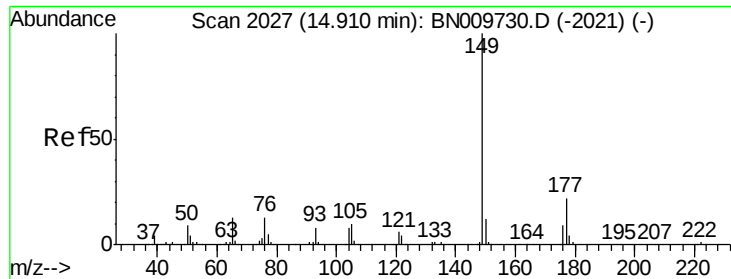
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#56
 2,3,4,6-Tetrachlorophenol
 Concen: 2.055 ng/ul
 RT: 14.70 min Scan# 1992
 Delta R.T. 0.01 min
 Lab File: BN009737.D
 Acq: 17 Feb 2020 14:20

Tgt Ion	Ratio	Lower	Upper
232	100		
131	54.1	40.6	60.8
130	0.0	2.2	3.4#
166	35.5	26.6	39.8





#57

Diethylphthalate

Concen: 2.526 ng/ul

RT: 14.91 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BN009737.D

Acq: 17 Feb 2020 14:20

Instrument :

BNA_N

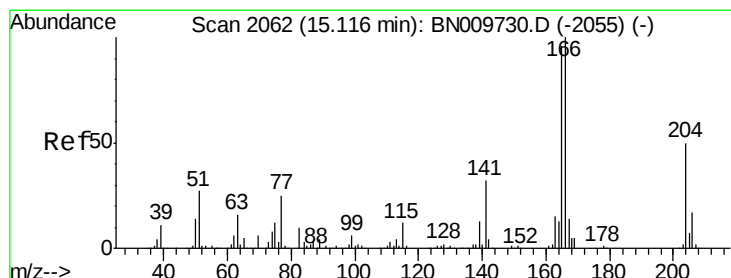
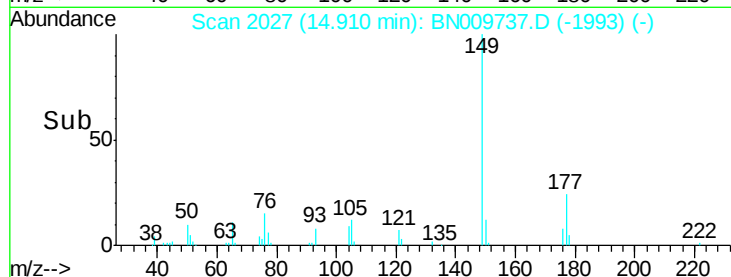
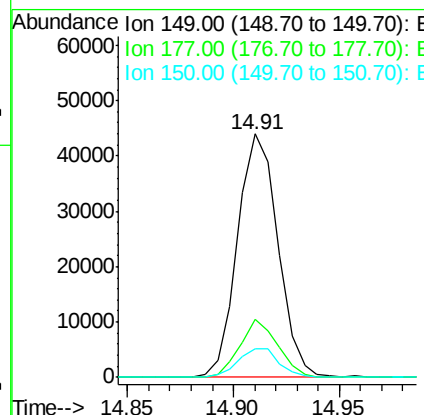
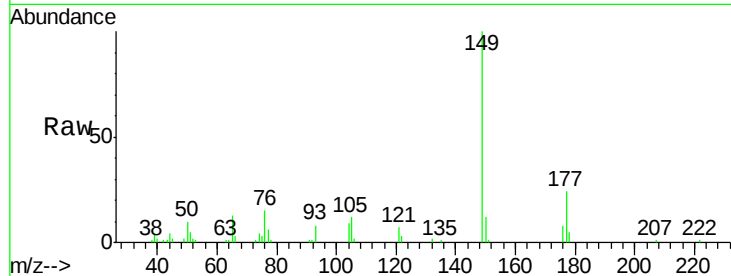
ClientSampleId :

MDL-SOIL-06

Tot Ion	Ratio	Lower	Upper
149	100		
177	23.9	17.8	26.6
150	11.8	9.8	14.6

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#59

Fluorene

Concen: 2.650 ng/ul

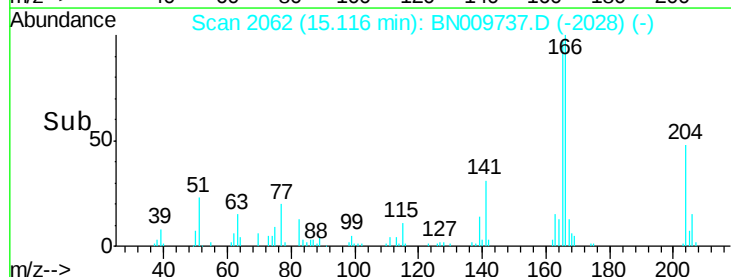
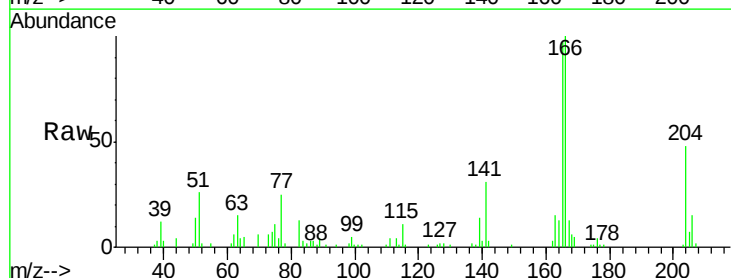
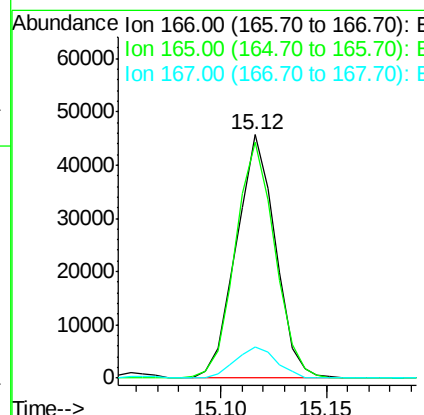
RT: 15.12 min Scan# 2062

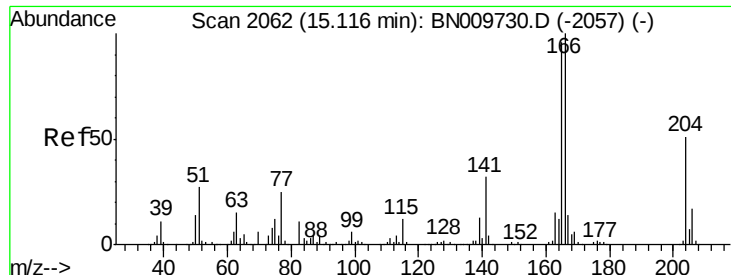
Delta R.T. 0.00 min

Lab File: BN009737.D

Acq: 17 Feb 2020 14:20

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.9	79.8	119.8
167	12.8	10.7	16.1





#60

4-Chlorophenyl-phenylether

Concen: 2.708 ng/ul

RT: 15.12 min Scan# 2062

Delta R.T. -0.01 min

Lab File: BN009737.D

Acq: 17 Feb 2020 14:20

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-06

Tot Ion:204 Resp: 29647

Ion Ratio Lower Upper

204 100

206 31.0 26.5 39.7

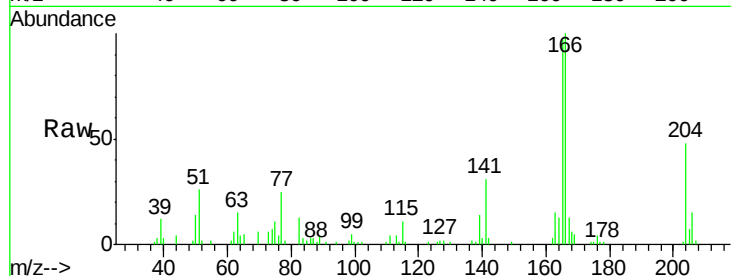
141 64.0 48.8 73.2

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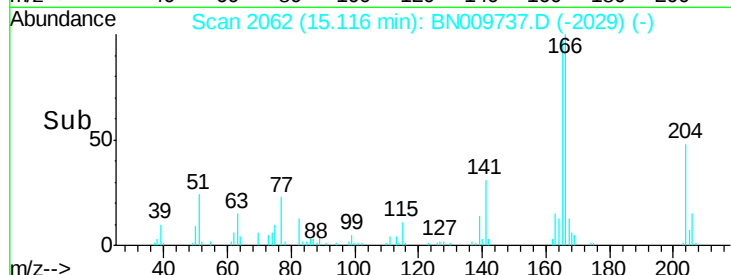


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

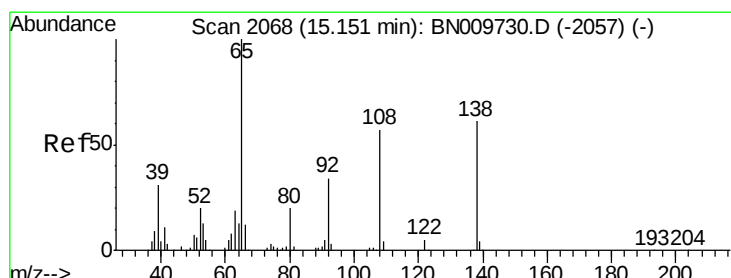
Ion 141.00 (140.70 to 141.70): E

Time-->



Abundance

Time-->



#61

4-Nitroaniline

Concen: 1.847 ng/ul m

RT: 15.16 min Scan# 2070

Delta R.T. 0.01 min

Lab File: BN009737.D

Acq: 17 Feb 2020 14:20

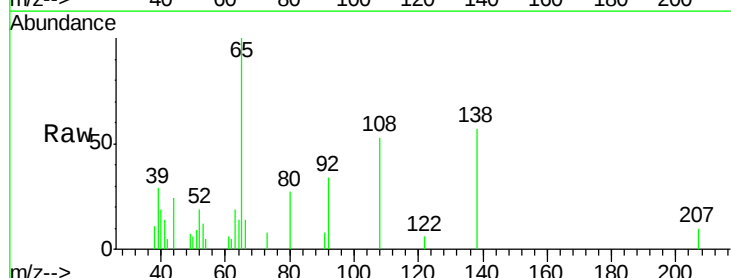
Tgt Ion:138 Resp: 9164

Ion Ratio Lower Upper

138 100

92 59.8 47.8 71.6

108 93.3 72.3 108.5

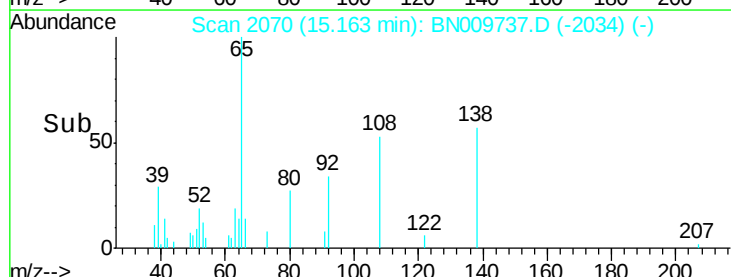


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BNC

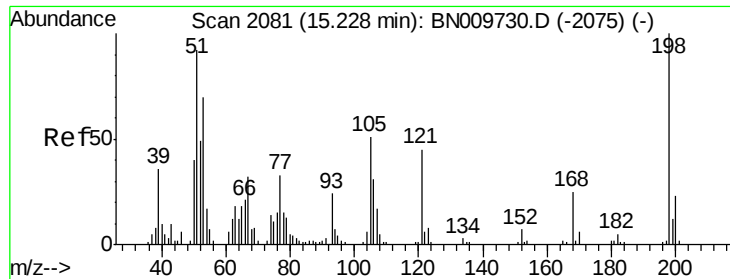
Ion 108.00 (107.70 to 108.70): E

Time-->



Abundance

Time-->



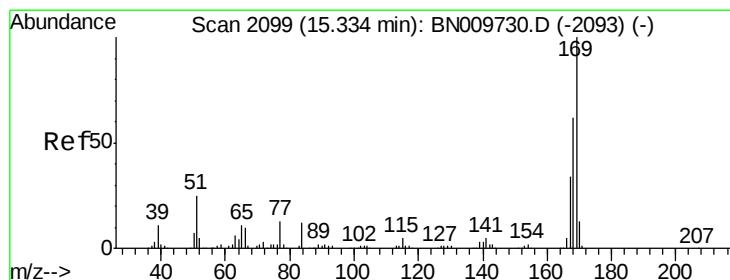
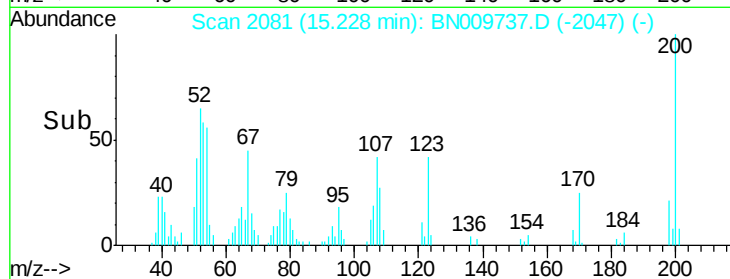
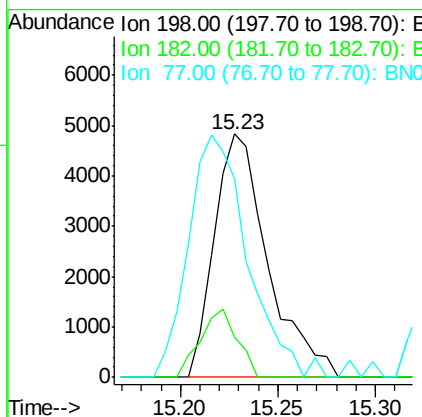
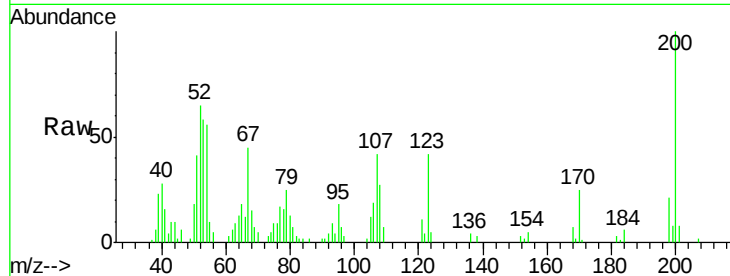
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.196 ng/ul
 RT: 15.23 min Scan# 2081
 Delta R.T. 0.00 min
 Lab File: BN009737.D
 Acq: 17 Feb 2020 14:20

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-06

Tot Ion	Ratio	Lower	Upper
198	100		
182	16.3	3.7	5.5#
77	81.5	25.1	37.7#

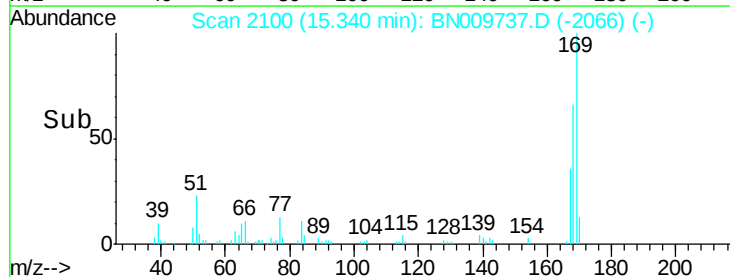
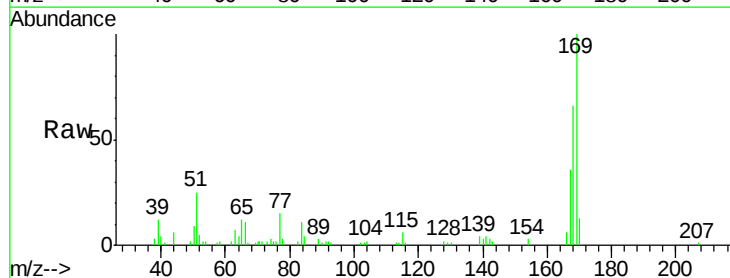
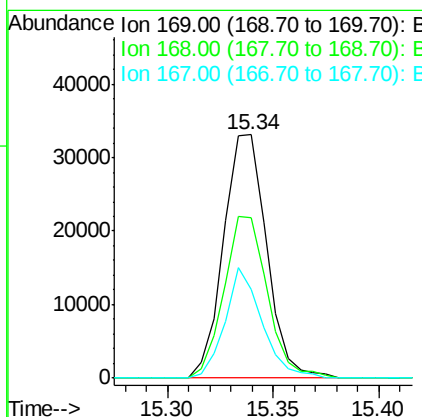
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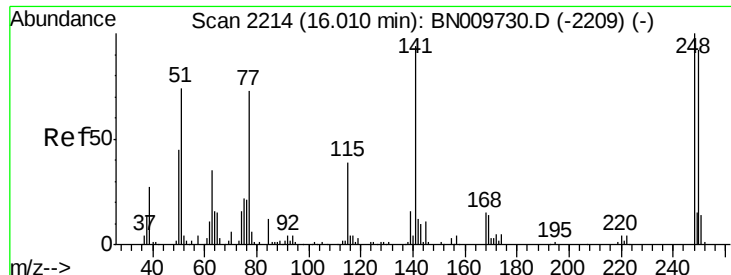
mohammad
 2/20/2020 7:56:32 AM



#65
 N-Nitrosodiphenylamine
 Concen: 2.521 ng/ul
 RT: 15.34 min Scan# 2100
 Delta R.T. 0.00 min
 Lab File: BN009737.D
 Acq: 17 Feb 2020 14:20

Tgt Ion	Ratio	Lower	Upper
169	100		
168	65.9	51.8	77.6
167	36.5	27.7	41.5





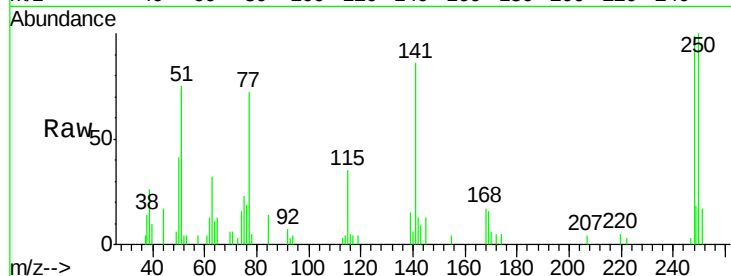
#66
 4-Bromophenyl-phenylether
 Concen: 2.434 ng/ul
 RT: 16.02 min Scan# 2215
 Delta R.T. 0.00 min
 Lab File: BN009737.D
 Acq: 17 Feb 2020 14:20

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-06

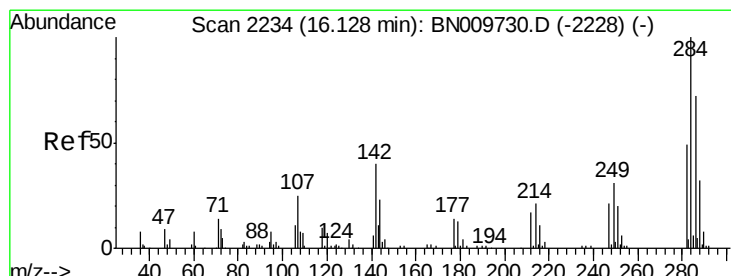
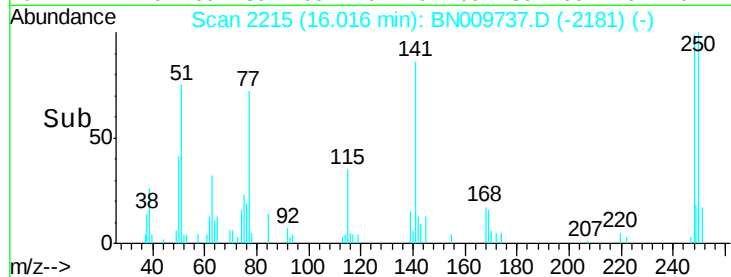
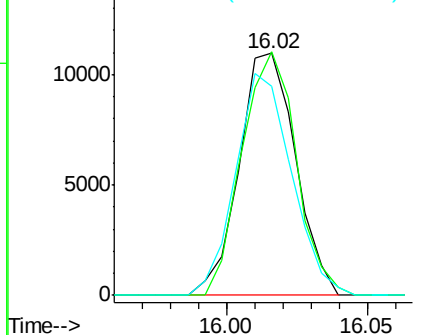
Tot Ion	Ratio	Lower	Upper
248	100		
250	100.6	81.4	122.0
141	86.2	66.9	100.3

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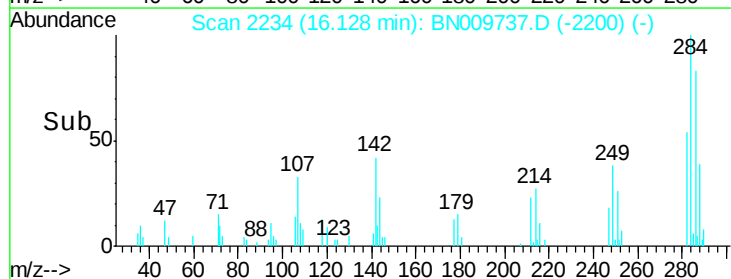
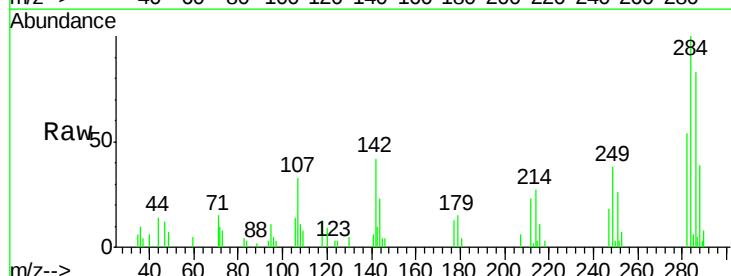
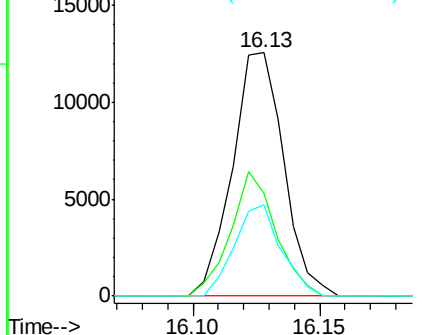
Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

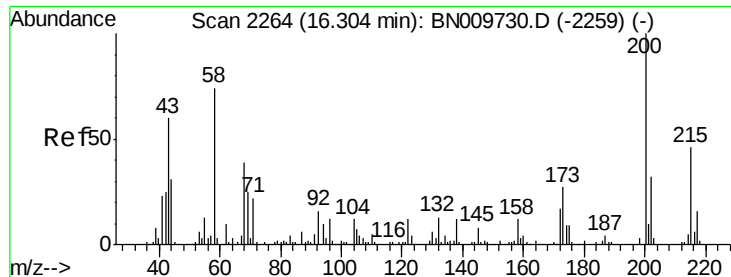


#67
 Hexachlorobenzene
 Concen: 2.562 ng/ul
 RT: 16.13 min Scan# 2234
 Delta R.T. 0.00 min
 Lab File: BN009737.D
 Acq: 17 Feb 2020 14:20

Tgt Ion	Ratio	Lower	Upper
284	100		
142	39.9	34.4	51.6
249	38.3	29.7	44.5

Abundance Ion 284.00 (283.70 to 284.70): E
 Ion 142.00 (141.70 to 142.70): E
 Ion 249.00 (248.70 to 249.70): E





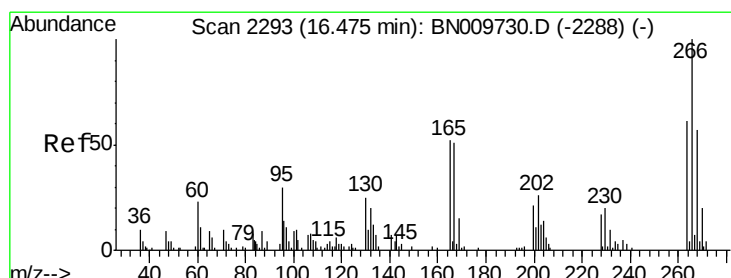
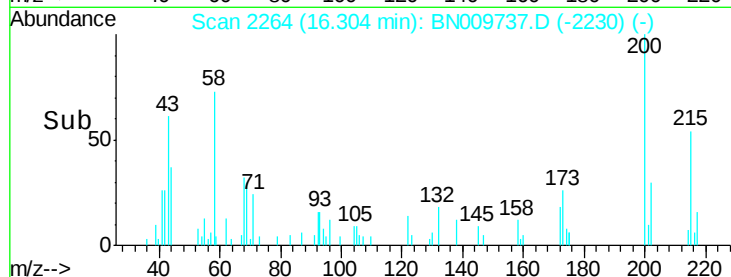
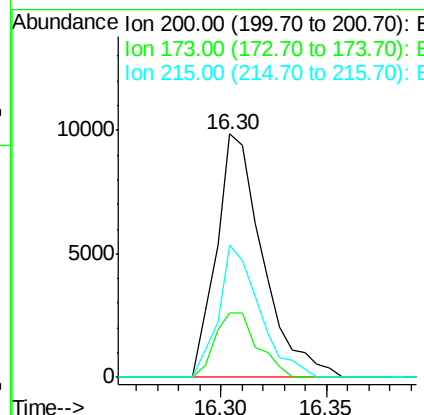
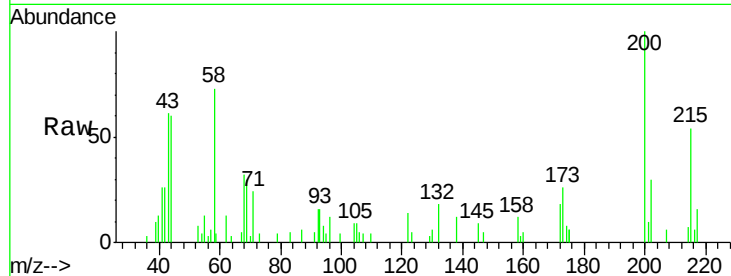
#68
Atrazine
Concen: 2.132 ng/ul
RT: 16.30 min Scan# 2264
Delta R.T. 0.00 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

Instrument :
BNA_N
ClientSampled :
MDL-SOIL-06

Tot Ion	Ratio	Lower	Upper
200	100		
173	26.3	22.1	33.1
215	54.2	41.6	62.4

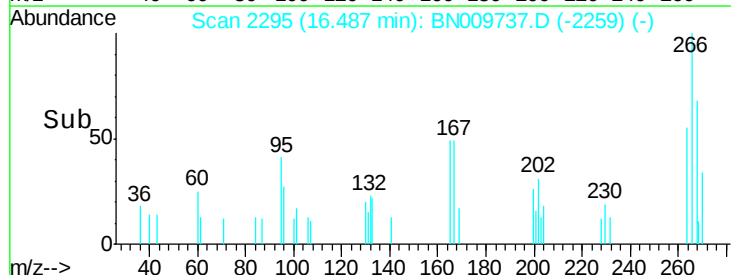
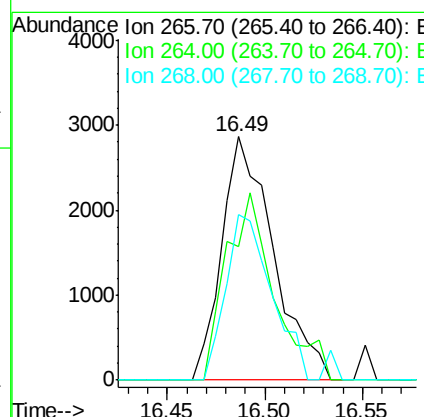
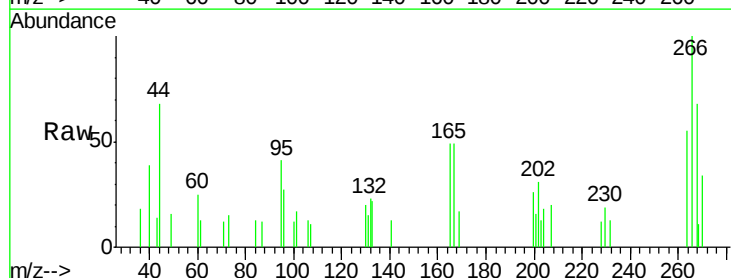
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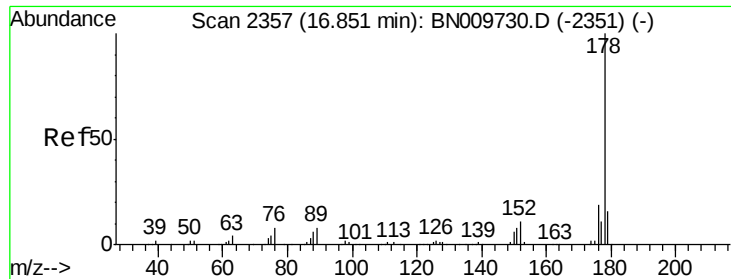
mohammad
2/20/2020 7:56:32 AM



#69
Pentachlorophenol
Concen: 1.313 ng/ul
RT: 16.49 min Scan# 2295
Delta R.T. 0.01 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

Tgt Ion	Ratio	Lower	Upper
266	100		
264	54.9	52.9	79.3
268	78.9	52.5	78.7#





#70

Phenanthrene

Concen: 2.649 ng/ul

RT: 16.85 min Scan# 2357

Delta R.T. -0.01 min

Lab File: BN009737.D

Acq: 17 Feb 2020 14:20

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-06

Tot Ion:178 Resp: 94565

Ion Ratio Lower Upper

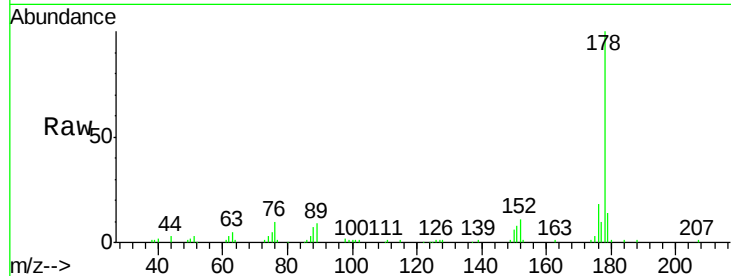
178 100

179 13.7 12.5 18.7

176 18.2 14.6 22.0

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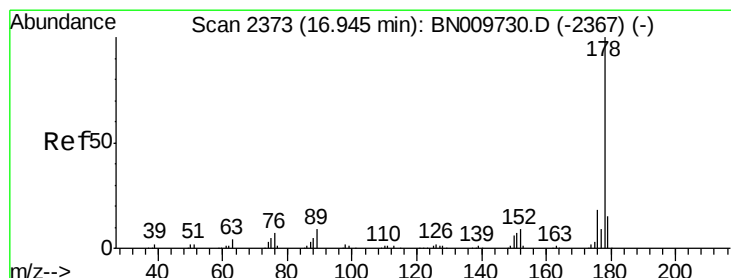
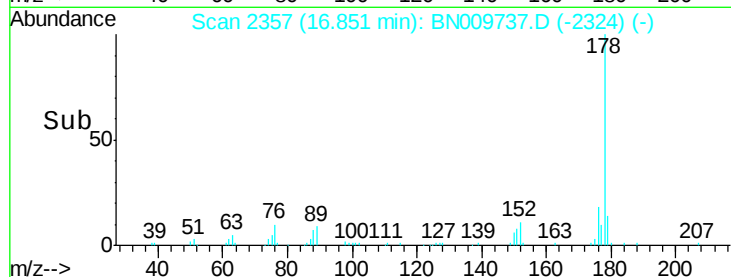
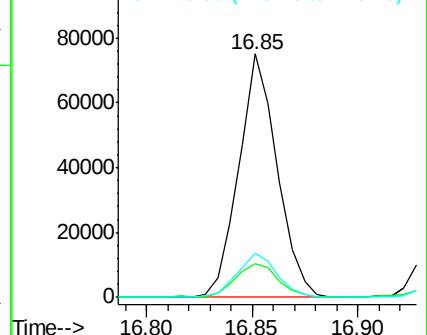
mohammad
2/20/2020 7:56:32 AM



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: 2.670 ng/ul

RT: 16.95 min Scan# 2373

Delta R.T. 0.00 min

Lab File: BN009737.D

Acq: 17 Feb 2020 14:20

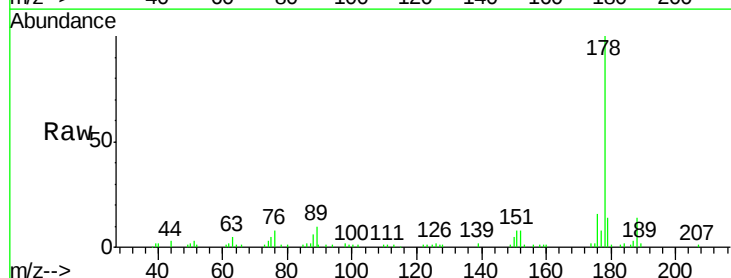
Tgt Ion:178 Resp: 97444

Ion Ratio Lower Upper

178 100

179 13.7 12.2 18.2

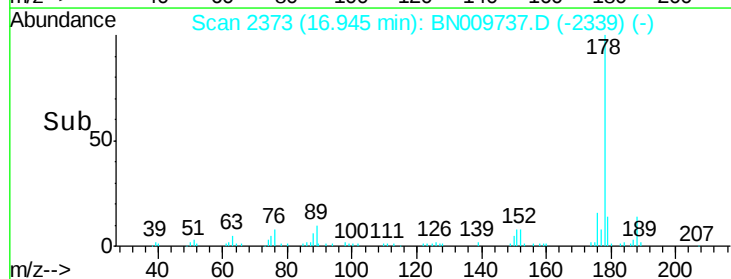
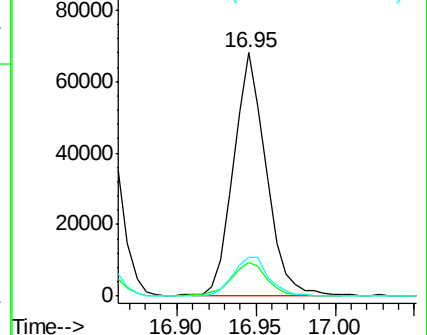
176 16.2 14.6 21.8

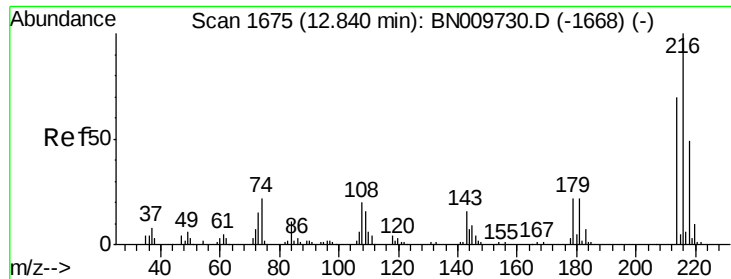


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





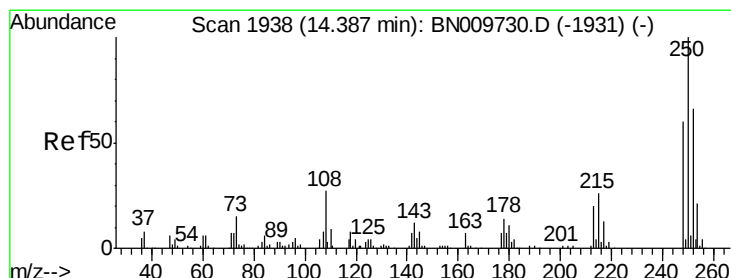
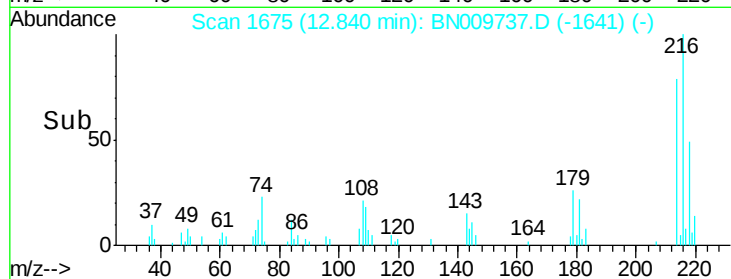
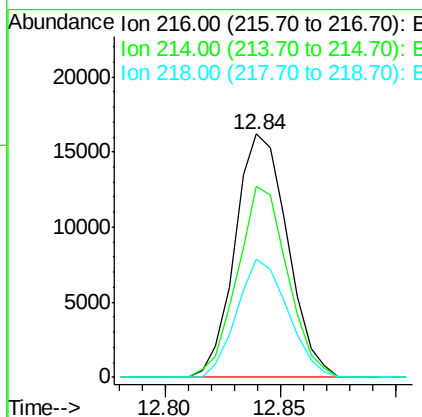
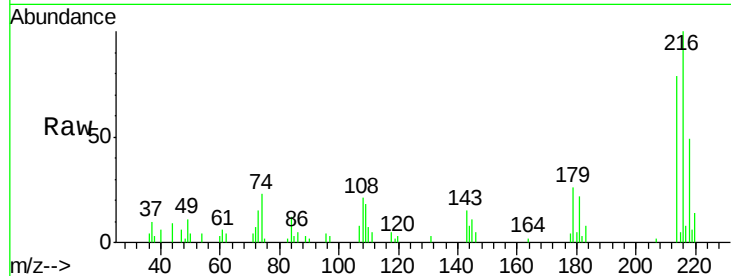
#73
 1,2,3,4-Tetrachlorobenzene
 Concen: 2.803 ng/uL
 RT: 12.84 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: BN009737.D
 Acq: 17 Feb 2020 14:20

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-06

Tot Ion	Ratio	Lower	Upper
216	100		
214	78.7	66.8	100.2
218	48.5	39.1	58.7

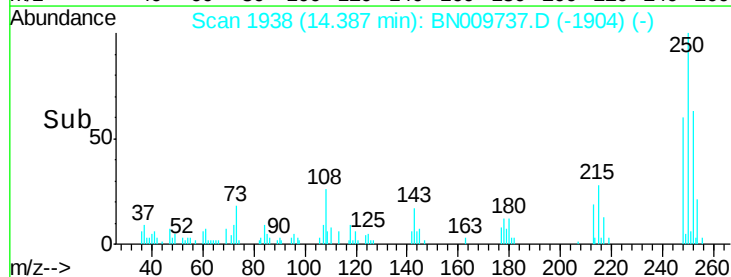
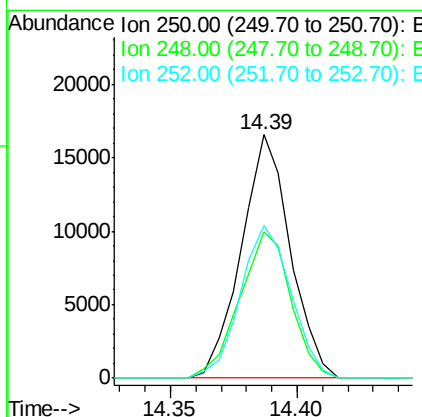
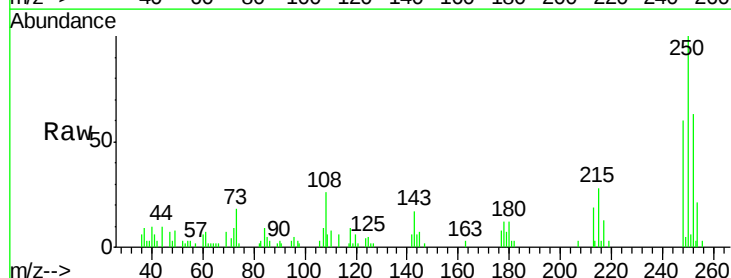
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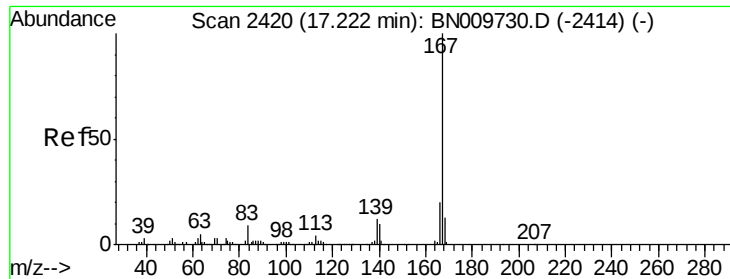
mohammad
 2/20/2020 7:56:32 AM



#74
 Pentachlorobenzene
 Concen: 2.518 ng/uL
 RT: 14.39 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: BN009737.D
 Acq: 17 Feb 2020 14:20

Tgt Ion	Ratio	Lower	Upper
250	100		
248	60.2	49.4	74.0
252	62.5	51.8	77.6





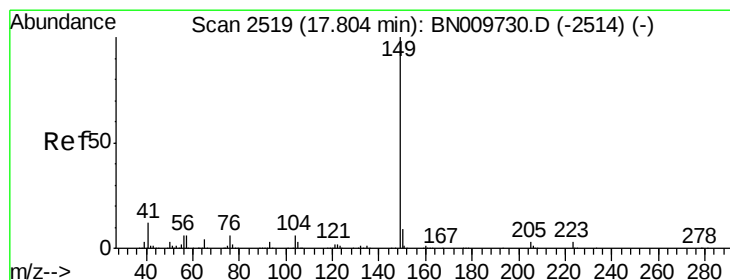
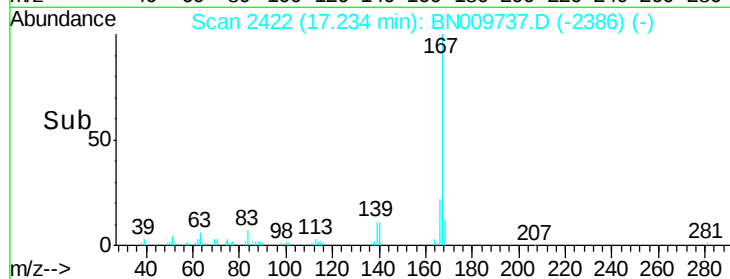
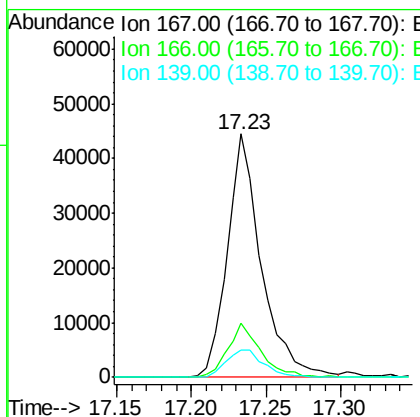
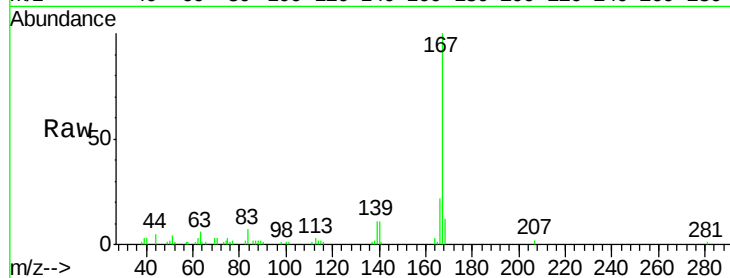
#75
 Carbazole
 Concen: 2.213 ng/ul
 RT: 17.23 min Scan# 2422
 Delta R.T. 0.01 min
 Lab File: BN009737.D
 Acq: 17 Feb 2020 14:20

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-06

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.2	16.6	24.8
139	11.0	9.9	14.9

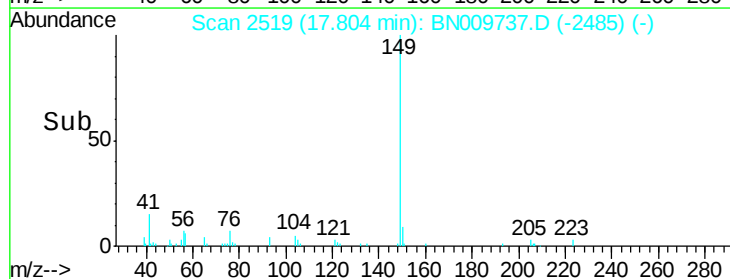
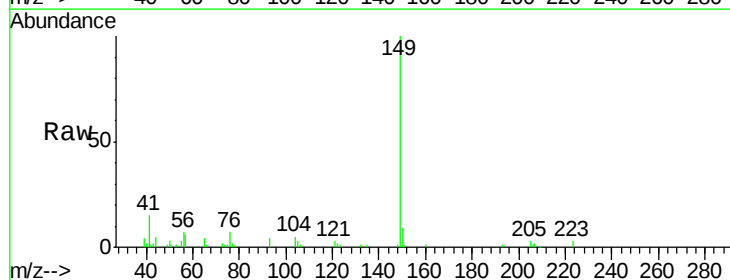
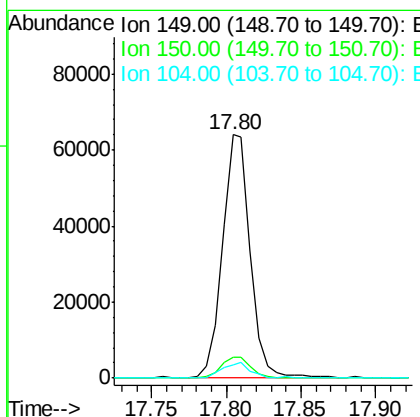
Manual Integrations
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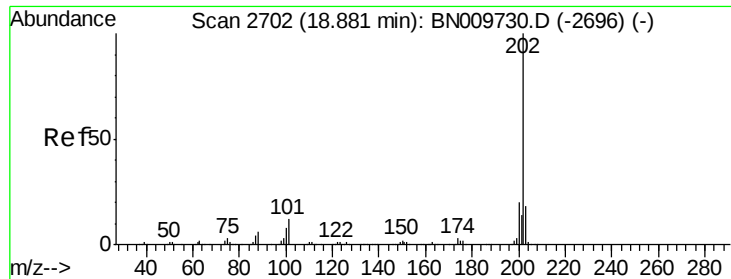
mohammad
 2/20/2020 7:56:32 AM



#76
 Di-n-butylphthalate
 Concen: 2.117 ng/ul
 RT: 17.80 min Scan# 2519
 Delta R.T. 0.00 min
 Lab File: BN009737.D
 Acq: 17 Feb 2020 14:20

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.5	7.0	10.6
104	5.3	4.3	6.5





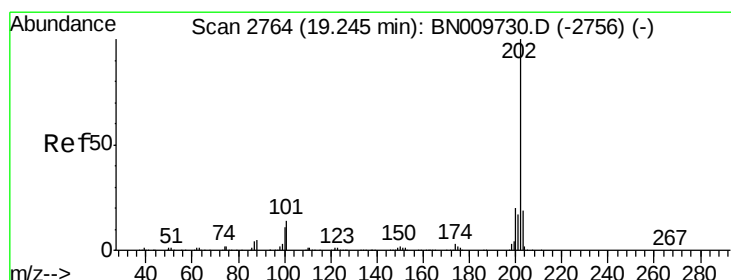
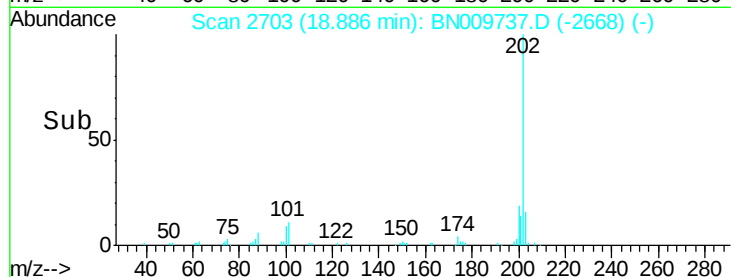
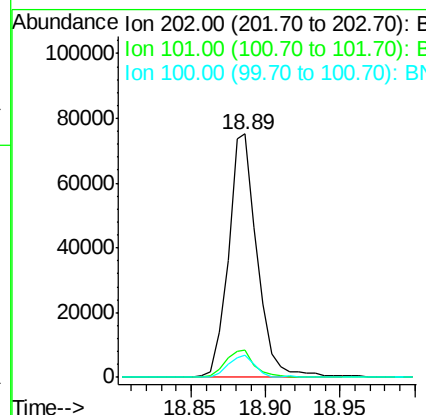
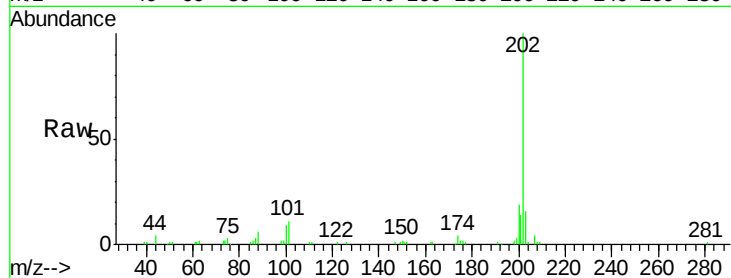
#77
Fluoranthene
Concen: 2.429 ng/ul
RT: 18.89 min Scan# 2703
Delta R.T. 0.01 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-06

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.2	9.4	14.2
100	8.9	7.2	10.8

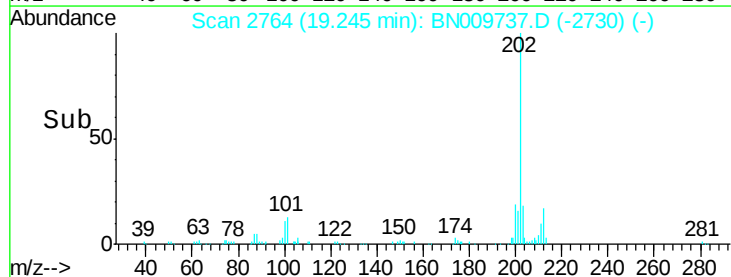
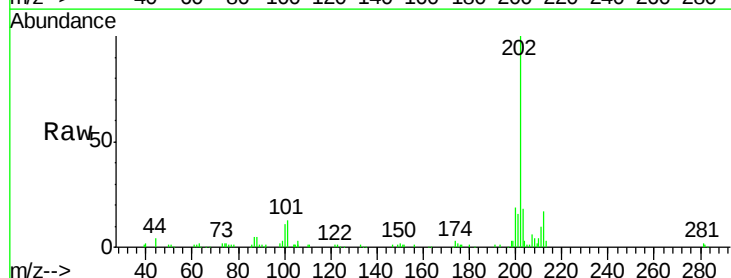
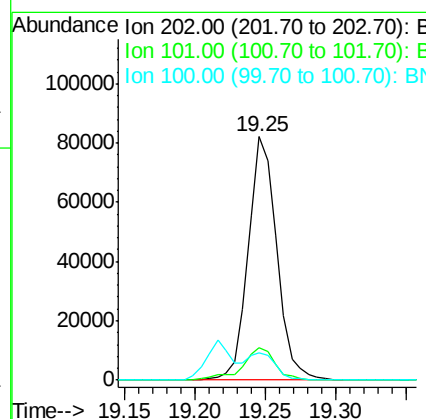
Manual Integrations
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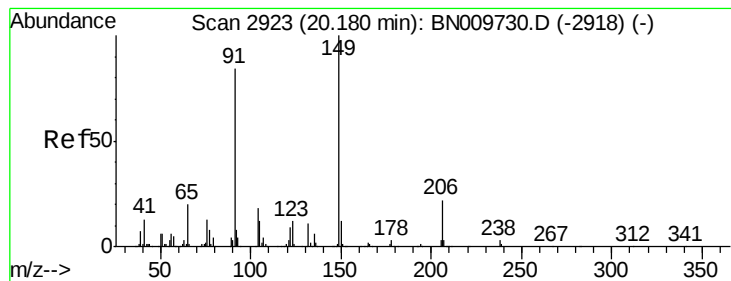
mohammad
2/20/2020 7:56:32 AM



#80
Pyrene
Concen: 2.607 ng/ul
RT: 19.25 min Scan# 2764
Delta R.T. 0.00 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	13.2	11.3	16.9
100	11.3	9.0	13.6





#81

Butylbenzylphthalate

Concen: 1.818 ng/ul

RT: 20.18 min Scan# 2923

Delta R.T. 0.00 min

Lab File: BN009737.D

Acq: 17 Feb 2020 14:20

Instrument :

BNA_N

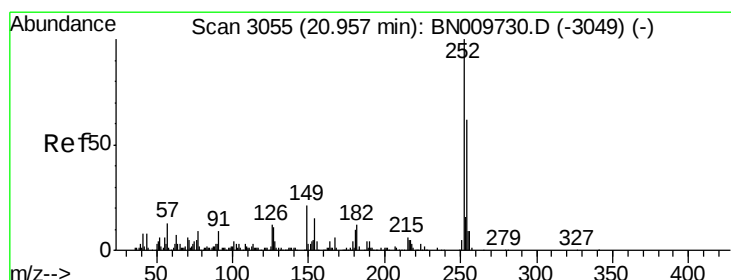
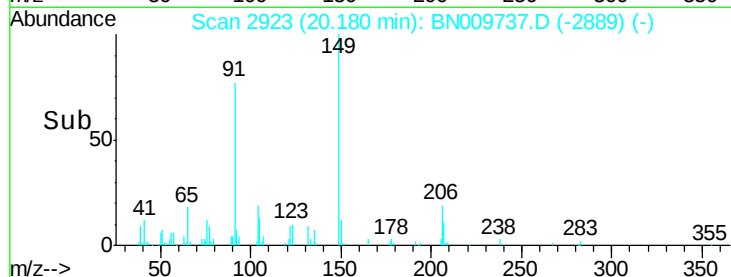
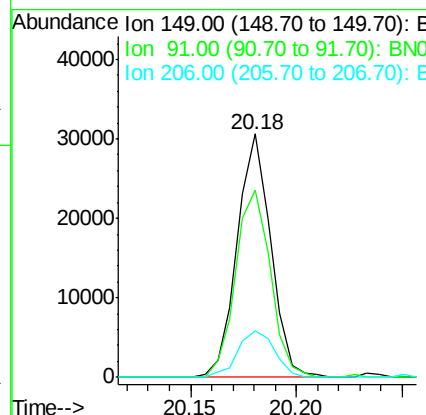
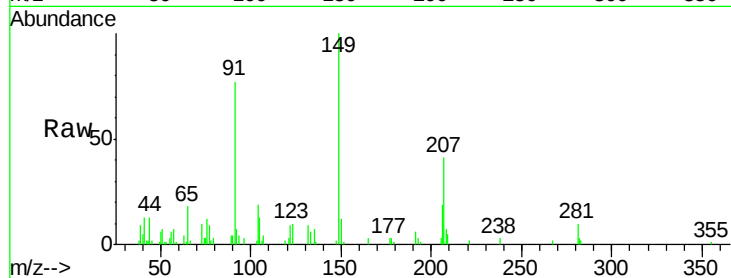
ClientSampleId :

MDL-SOIL-06

Tot Ion:	149	Resp:	33608
Ion Ratio	Lower	Upper	
149	100		
91	77.0	65.5	98.3
206	19.3	15.9	23.9

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#82

3,3'-Dichlorobenzidine

Concen: 2.015 ng/ul

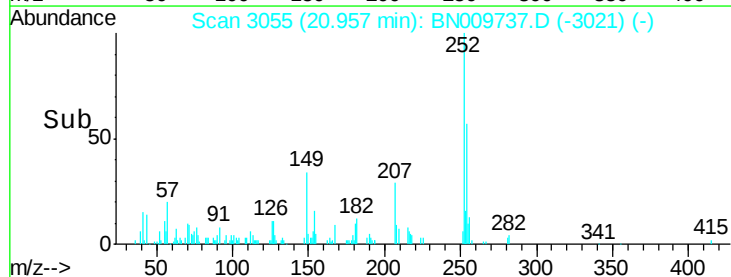
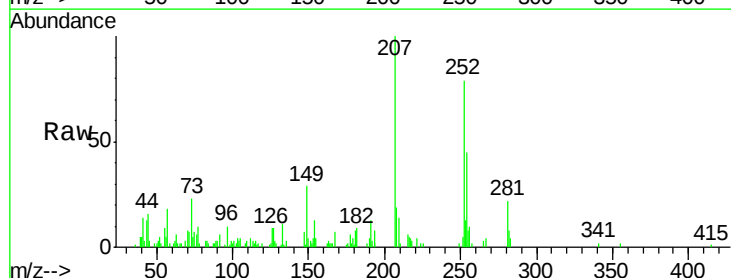
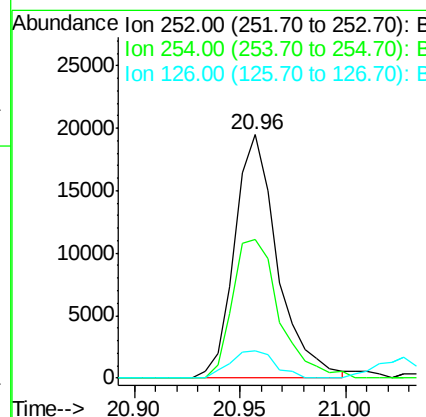
RT: 20.96 min Scan# 3055

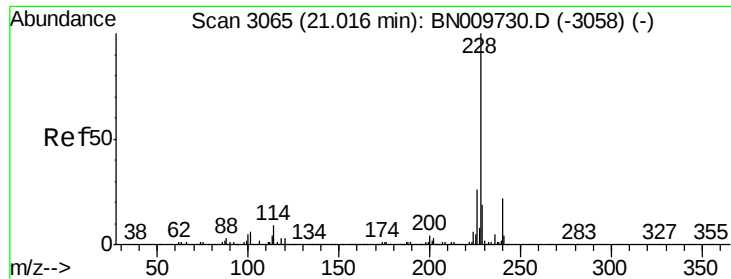
Delta R.T. 0.00 min

Lab File: BN009737.D

Acq: 17 Feb 2020 14:20

Tgt Ion:	252	Resp:	27403
Ion Ratio	Lower	Upper	
252	100		
254	57.0	49.3	73.9
126	11.3	8.8	13.2





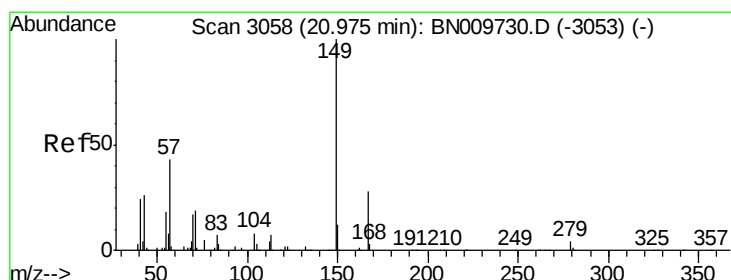
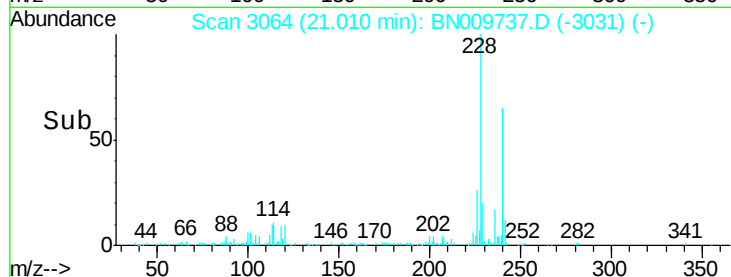
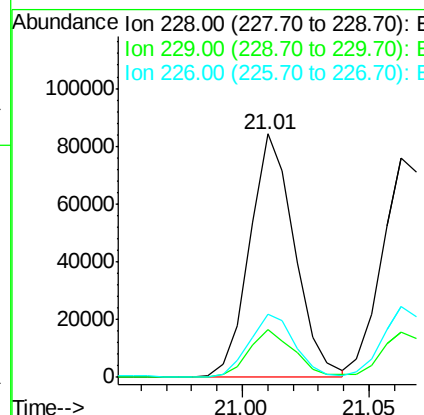
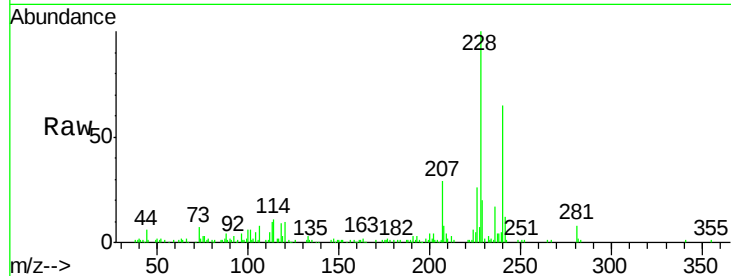
#83
Benzo(a)anthracene
Concen: 2.415 ng/ul
RT: 21.01 min Scan# 3064
Delta R.T. -0.01 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-06

Tot Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.0	22.4
226	26.0	21.4	32.2

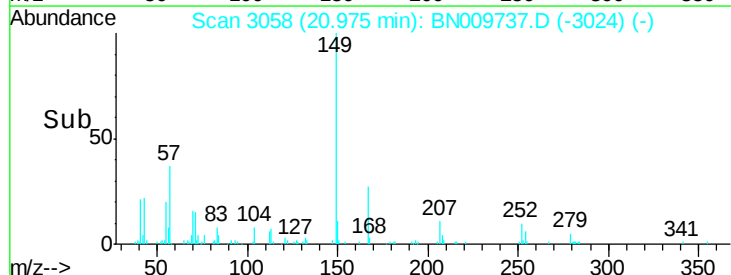
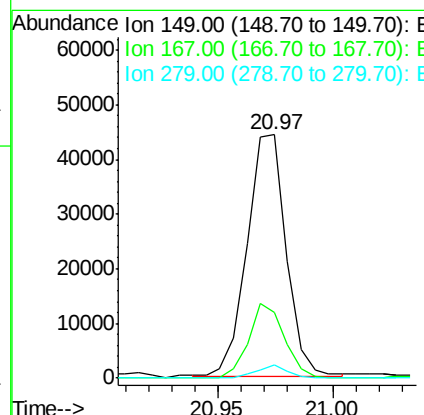
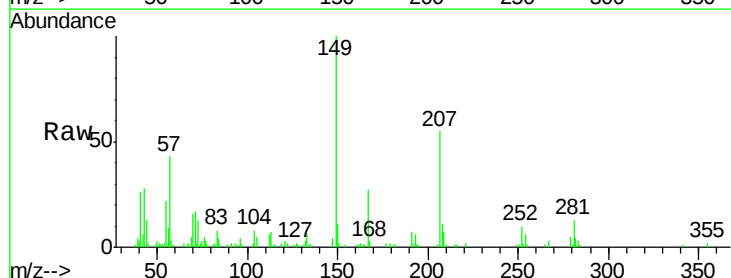
Manual Integrations
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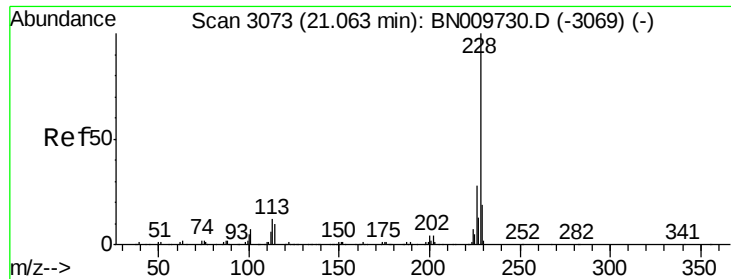
mohammad
2/20/2020 7:56:32 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 1.851 ng/ul
RT: 20.97 min Scan# 3058
Delta R.T. 0.00 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.0	31.6
279	5.2	3.0	4.6#





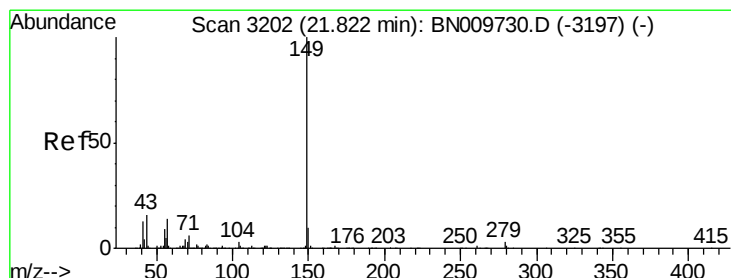
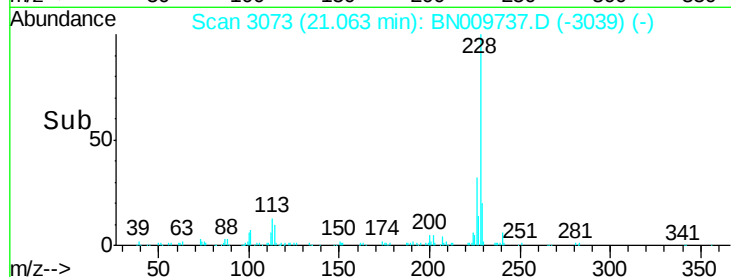
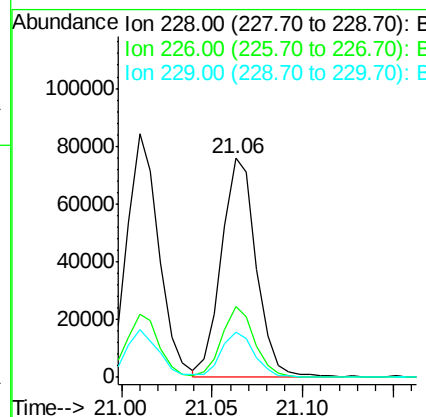
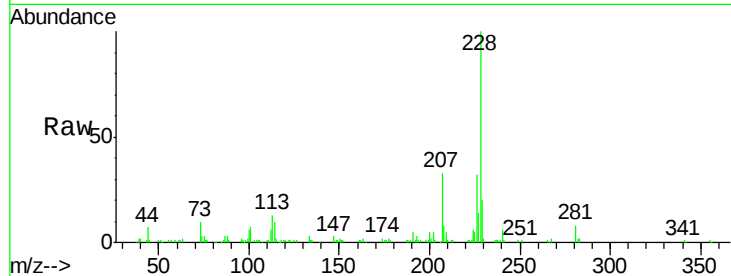
#85
Chrysene
Concen: 2.383 ng/ul
RT: 21.06 min Scan# 3073
Delta R.T. 0.00 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-06

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.1	23.4	35.2
229	20.4	15.0	22.4

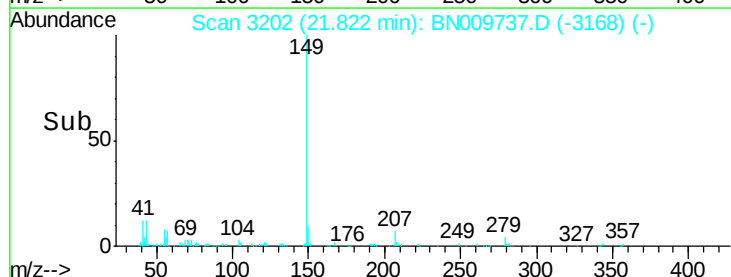
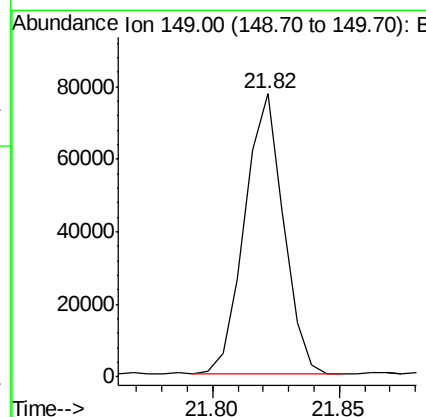
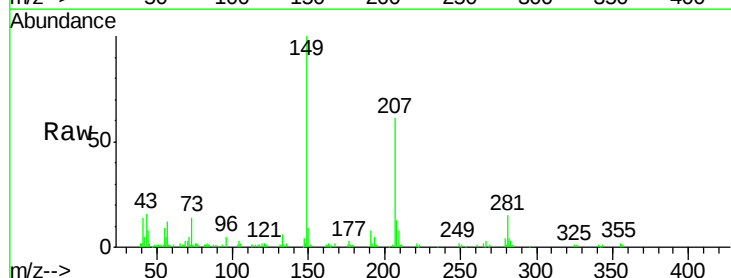
Manual Integrations
APPROVED

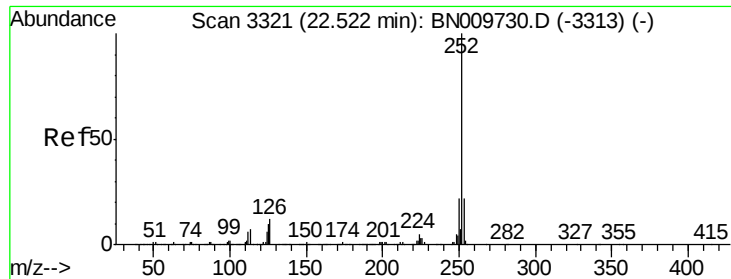
mohammad
2/20/2020 7:56:32 AM



#87
Di-n-octyl phthalate
Concen: 1.738 ng/ul
RT: 21.82 min Scan# 3202
Delta R.T. 0.00 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

Tgt Ion:149 Resp: 82699





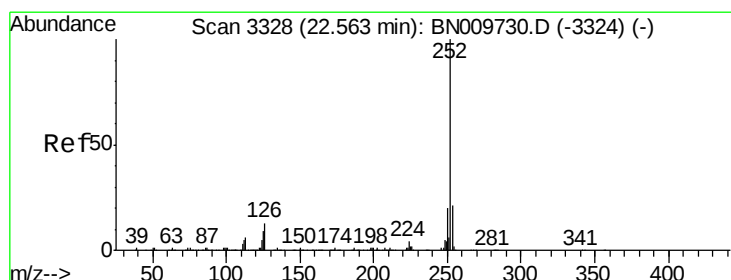
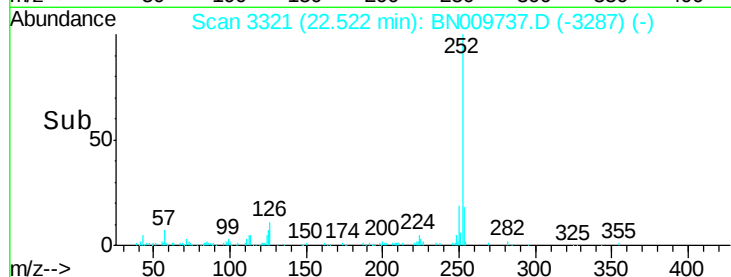
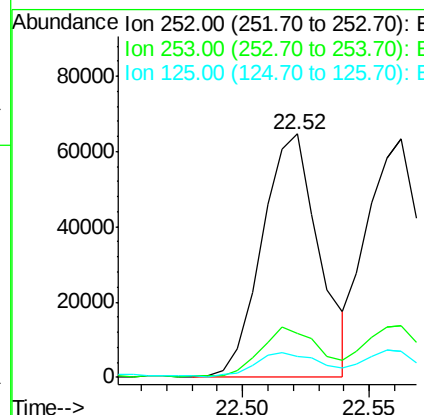
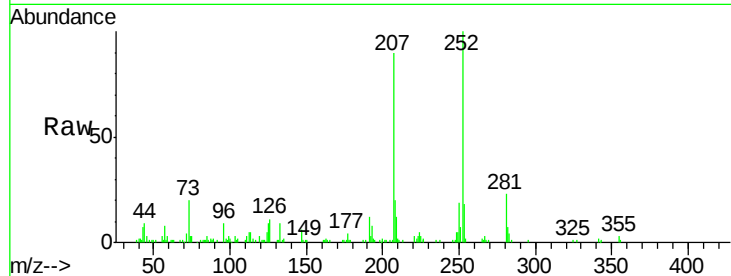
#88
Benzo(b)fluoranthene
Concen: 2.490 ng/ul
RT: 22.52 min Scan# 3321
Delta R.T. 0.00 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-06

Tot Ion	Ratio	Lower	Upper
252	100		
253	18.0	17.0	25.4
125	8.6	8.0	12.0

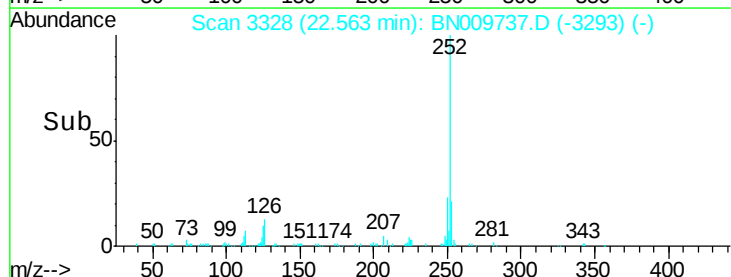
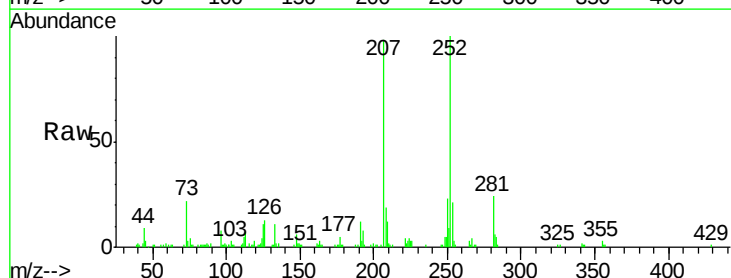
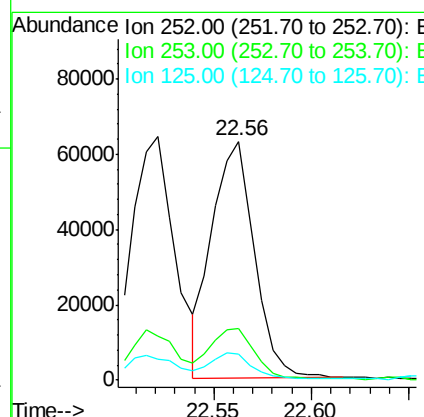
Manual Integrations
APPROVED

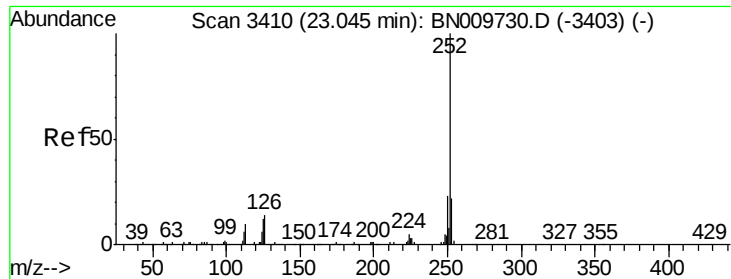
mohammad
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#89
Benzo(k)fluoranthene
Concen: 2.462 ng/ul
RT: 22.56 min Scan# 3328
Delta R.T. 0.01 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.0	27.0
125	10.8	8.2	12.2





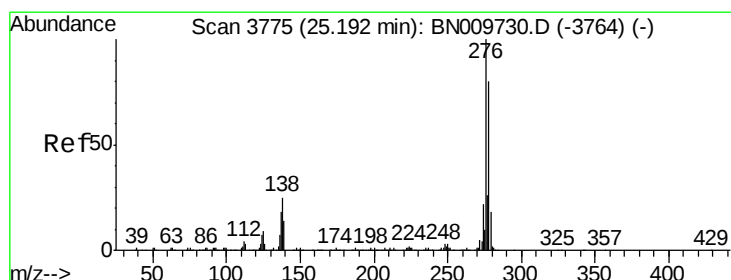
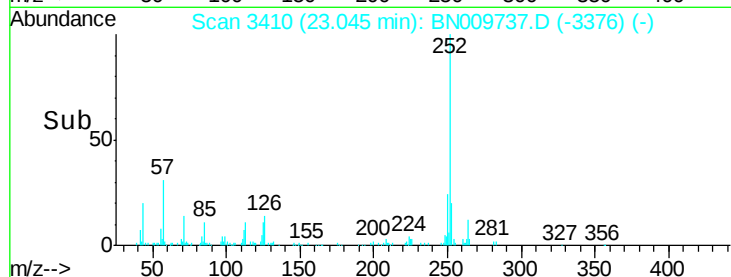
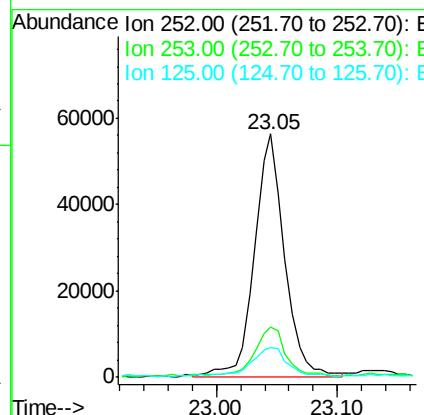
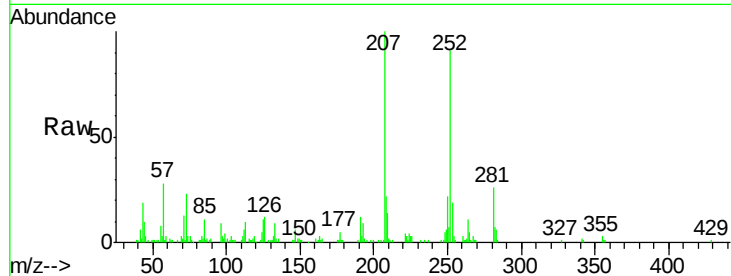
#91
Benzo(a)pyrene
Concen: 2.647 ng/ul
RT: 23.05 min Scan# 3410
Delta R.T. 0.00 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-06

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.7	17.4	26.0
125	12.2	9.0	13.6

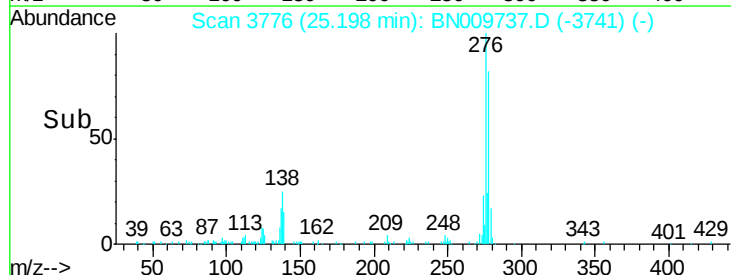
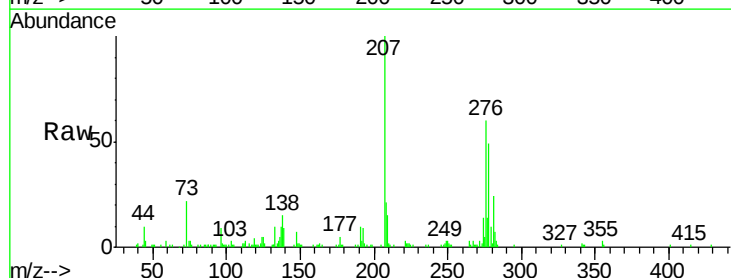
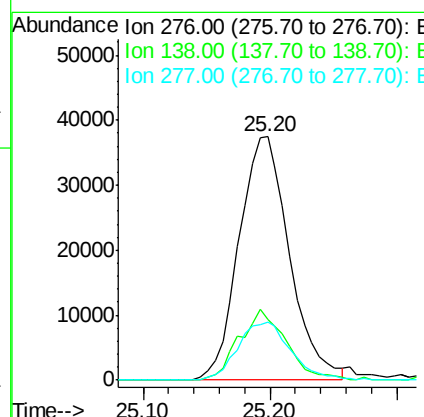
Manual Integrations
APPROVED

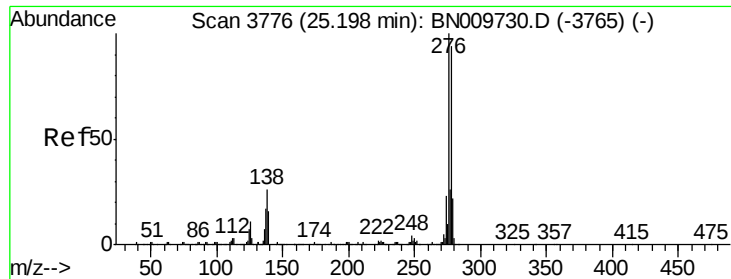
mohammad
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#92
Indeno(1,2,3-cd)pyrene
Concen: 2.375 ng/ul
RT: 25.20 min Scan# 3776
Delta R.T. 0.01 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.1	20.9	31.3
277	23.9	18.2	27.4





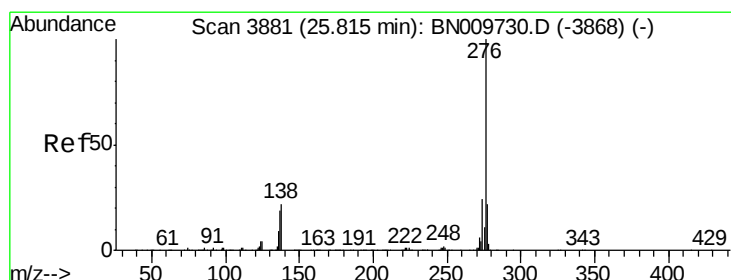
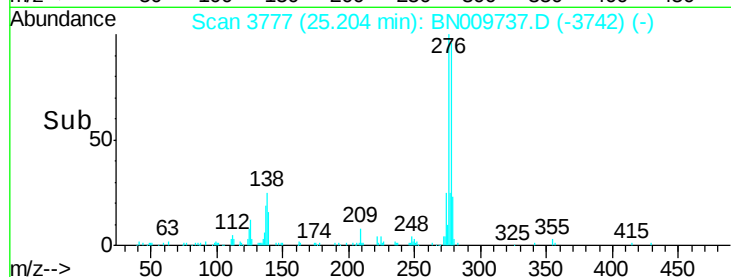
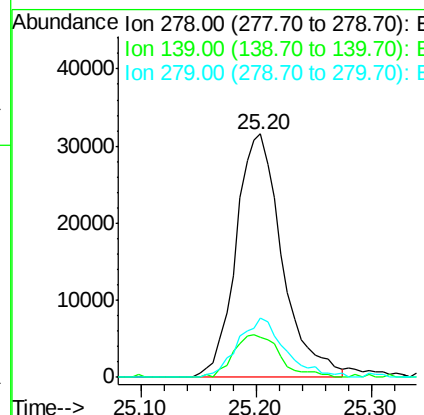
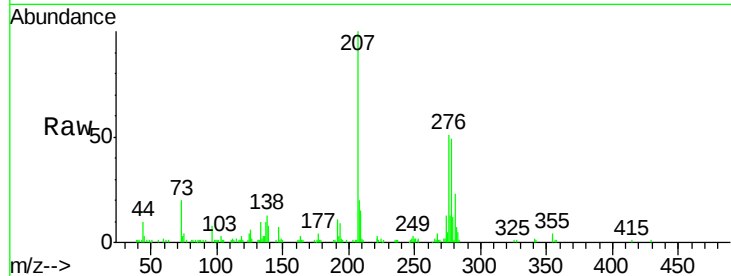
#93
Dibenzo(a,h)anthracene
Concen: 2.352 ng/ul
RT: 25.20 min Scan# 3777
Delta R.T. 0.01 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-06

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.4	13.0	19.4
279	24.3	17.5	26.3

Manual Integrations
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mohammad
2/20/2020 7:56:32 AM



#94
Benzo(g,h,i)perylene
Concen: 2.455 ng/ul
RT: 25.82 min Scan# 3882
Delta R.T. 0.00 min
Lab File: BN009737.D
Acq: 17 Feb 2020 14:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.2	17.5	26.3
277	23.7	18.1	27.1

