

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090722\
 Data File : BN021624.D
 Acq On : 07 Sep 2022 13:04
 Operator : CG/JU
 Sample : N3670-04
 Misc : SFAM-MDL-SOIL02-4NG
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT2-2022-04

Quant Time: Sep 07 13:32:27 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN081922.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 07 01:01:49 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/07/2022
 Supervised By :mohammad ahmed 09/08/2022

Supervised By :mohammad
 ahmed
 09/08/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.063	152	216403	20.000	ng/u1	0.00
20) Naphthalene-d8	10.893	136	1000188	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.722	164	640359	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.469	188	1331544	20.000	ng/u1	0.00
79) Chrysene-d12	21.663	240	1151541	20.000	ng/u1	0.00
88) Perylene-d12	24.180	264	1075758	20.000	ng/u1	0.00

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System Monitoring Compounds

3) 1,4-Dioxane-d8	3.364	96	20317	3.525	ng/uL	0.00
4) Pyridine-d5	3.793	84	269358	17.147	ng/u1	0.00
7) Phenol-d5	7.211	99	346271	17.643	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.381	67	223871	18.844	ng/u1	0.00
11) 2-Chlorophenol-d4	7.587	132	274426	19.218	ng/u1	0.00
15) 4-Methylphenol-d8	8.775	113	284578	18.479	ng/u1	0.00
21) Nitrobenzene-d5	9.240	128	142209	20.869	ng/u1	0.00
24) 2-Nitrophenol-d4	9.969	143	143673	23.605	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.505	165	267505	19.845	ng/u1	0.00
31) 4-Chloroaniline-d4	11.034	131	419061	18.305	ng/u1	0.00
46) Dimethylphthalate-d6	14.122	166	874358	19.977	ng/u1	0.00
49) Acenaphthylene-d8	14.416	160	1082049	21.206	ng/u1	0.00
54) 4-Nitrophenol-d4	14.910	143	156812	18.004	ng/u1	0.00
60) Fluorene-d10	15.710	176	751880	19.743	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.822	200	116695	21.911	ng/u1	0.00
73) Anthracene-d10	17.569	188	1066276	18.171	ng/u1	0.00
81) Pyrene-d10	19.863	212	1304828	23.827	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.016	264	1006124	19.732	ng/u1	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.405	88	6321	1.065	ng/uL	92
5) Pyridine	3.817	79	63600	4.024	ng/u1	89
6) Benzaldehyde	7.193	77	44563	5.226	ng/u1	97
8) Phenol	7.240	94	77055	3.799	ng/u1	94
10) Bis(2-Chloroethyl)ether	7.475	93	64902	4.013	ng/u1	97
12) 2-Chlorophenol	7.616	128	60831	3.971	ng/u1	97
13) 2-Methylphenol	8.511	108	54311	3.524	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.599	45	85222	4.178	ng/u1	96
16) Acetophenone	8.893	105	99157	4.071	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.875	70	49037	4.043	ng/u1	94
18) 4-Methylphenol	8.840	108	64576	3.815	ng/u1	99
19) Hexachloroethane	9.158	117	24015	3.933	ng/u1	89
22) Nitrobenzene	9.281	77	72738	4.332	ng/u1	95
23) Isophorone	9.805	82	131337	3.798	ng/u1	100
25) 2-Nitrophenol	9.999	139	34142	4.789	ng/u1	89
26) 2,4-Dimethylphenol	10.057	107	68734	3.893	ng/u1	93
27) Bis(2-Chloroethoxy)met...	10.293	93	90077	4.160	ng/u1	96
29) 2,4-Dichlorophenol	10.534	162	59068	4.182	ng/u1	96
30) Naphthalene	10.946	128	213193	4.094	ng/u1	98
32) 4-Chloroaniline	11.057	127	92382	3.894	ng/u1	99
33) Hexachlorobutadiene	11.228	225	32979	4.053	ng/u1	97
34) Caprolactam	11.834	113	22533	4.171	ng/u1	85
35) 4-Chloro-3-methylphenol	12.175	107	62523	3.928	ng/u1	96
36) 2-Methylnaphthalene	12.551	142	143468	4.072	ng/u1	98

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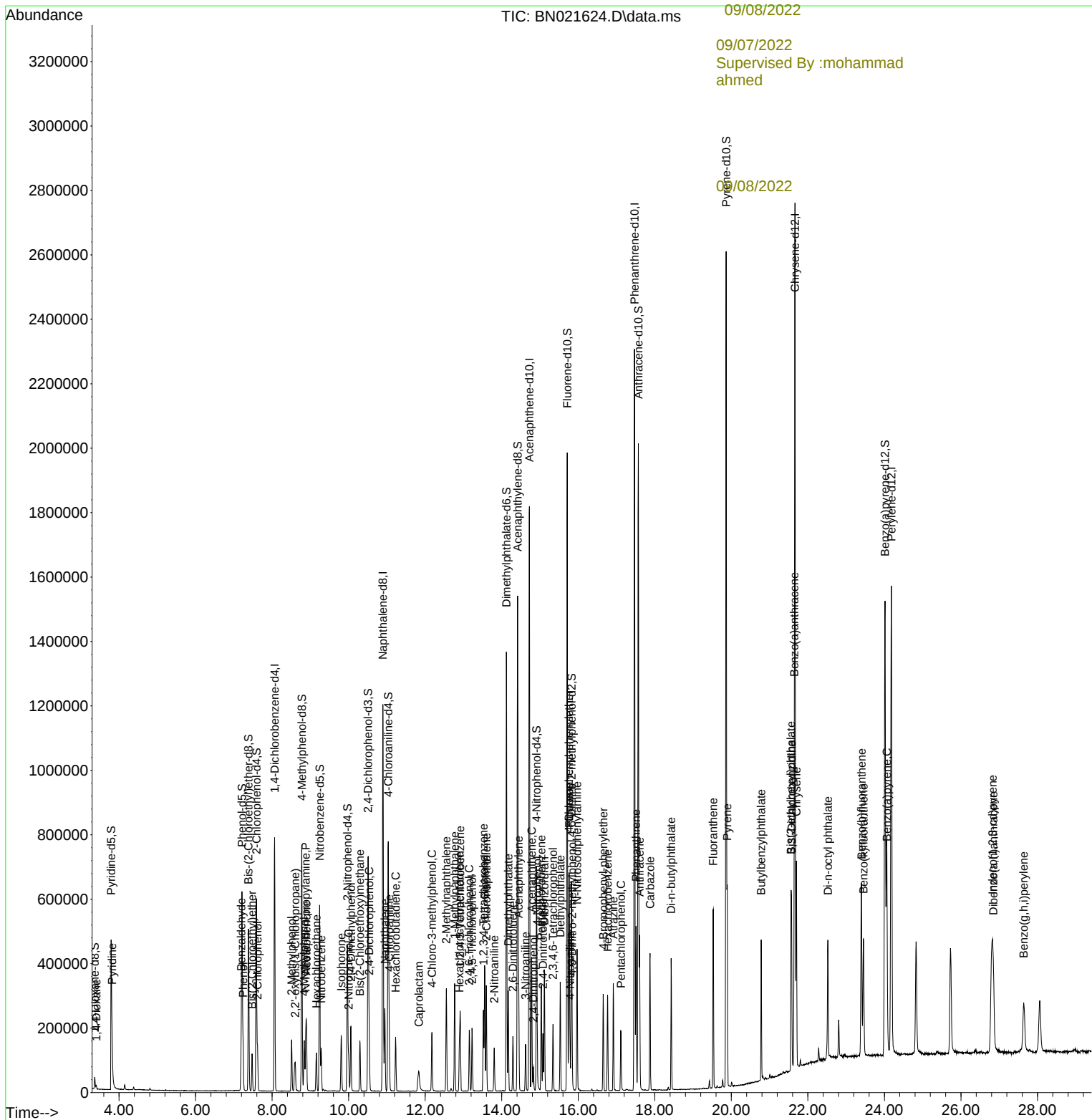
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
37) 1-Methylnaphthalene	12.769	142	153099	4.324	ng/ul	97	09/07/2022
39) 1,2,4,5-Tetrachloroben...	12.916	216	69178	4.213	ng/ul	93	Supervised By :mohammad ahmed
40) Hexachlorocyclopentadiene	12.893	237	35113	3.592	ng/ul#	94	
41) 2,4,6-Trichlorophenol	13.151	196	40572	3.982	ng/ul	98	
42) 2,4,5-Trichlorophenol	13.222	196	44174	3.952	ng/ul	97	
43) 1,1'-Biphenyl	13.551	154	199848	4.271	ng/ul	98	
44) 2-Chloronaphthalene	13.598	162	150771	4.208	ng/ul	99	09/08/2022
45) 2-Nitroaniline	13.804	65	34975	3.892	ng/ul	94	
47) Dimethylphthalate	14.169	163	191975	4.288	ng/ul	98	
48) 2,6-Dinitrotoluene	14.293	165	28416	3.700	ng/ul#	92	
50) Acenaphthylene	14.440	152	248796	4.224	ng/ul	99	
51) 3-Nitroaniline	14.622	138	32278	3.772	ng/ul	88	
52) Acenaphthene	14.781	153	158954	4.176	ng/ul	95	
53) 2,4-Dinitrophenol	14.828	184	14446	3.842	ng/ul	92	
55) 4-Nitrophenol	14.922	109	27136	3.887	ng/ul	90	
56) Dibenzofuran	15.116	168	230655	4.218	ng/ul	98	
57) 2,4-Dinitrotoluene	15.075	165	45050	4.039	ng/ul	99	
58) 2,3,4,6-Tetrachlorophenol	15.340	232	34613	4.034	ng/ul#	84	
59) Diethylphthalate	15.528	149	182396	4.040	ng/ul	100	
61) Fluorene	15.763	166	185538	4.302	ng/ul	95	
62) 4-Chlorophenyl-phenyle...	15.757	204	85524	4.302	ng/ul	98	
63) 4-Nitroaniline	15.787	138	33548	3.907	ng/ul	98	
66) 4,6-Dinitro-2-methylph...	15.840	198	28370	5.028	ng/ul#	87	
67) N-Nitrosodiphenylamine	15.969	169	155312	4.162	ng/ul	95	
68) 4-Bromophenyl-phenylether	16.651	248	48704	4.113	ng/ul	95	
69) Hexachlorobenzene	16.769	284	57131	4.053	ng/ul	92	
70) Atrazine	16.916	200	52574	3.981	ng/ul	96	
71) Pentachlorophenol	17.116	266	30646	3.905	ng/ul	95	
72) Phenanthrene	17.510	178	296108	4.210	ng/ul	98	
74) Anthracene	17.604	178	285672	4.079	ng/ul	98	
75) 1,2,3,4-Tetrachloroben...	13.522	216	71686	4.230	ng/uL	96	
76) Pentachlorobenzene	15.034	250	78749	4.878	ng/uL	89	
77) Carbazole	17.875	167	255657	3.863	ng/ul	98	
78) Di-n-butylphthalate	18.428	149	282757	3.789	ng/ul	99	
80) Fluoranthene	19.522	202	326058	4.936	ng/ul#	94	
82) Pyrene	19.892	202	346906	5.039	ng/ul	95	
83) Butylbenzylphthalate	20.780	149	113251	4.346	ng/ul#	97	
84) 3,3'-Dichlorobenzidine	21.575	252	124648	5.677	ng/ul#	98	
85) Benzo(a)anthracene	21.645	228	305608	4.408	ng/ul	95	
86) Bis(2-ethylhexyl)phtha...	21.557	149	162580	4.075	ng/ul#	96	
87) Chrysene	21.698	228	293083	4.366	ng/ul	99	
89) Di-n-octyl phthalate	22.522	149	252453	4.006	ng/ul	100	
90) Benzo(b)fluoranthene	23.404	252	294637	4.502	ng/ul	99	
91) Benzo(k)fluoranthene	23.451	252	264215m	4.513	ng/ul		
93) Benzo(a)pyrene	24.069	252	270134	4.314	ng/ul#	96	
94) Indeno(1,2,3-cd)pyrene	26.827	276	249461	3.245	ng/ul	95	
95) Dibenzo(a,h)anthracene	26.845	278	208063	3.207	ng/ul	97	
96) Benzo(g,h,i)perylene	27.639	276	201737	3.007	ng/ul	96	

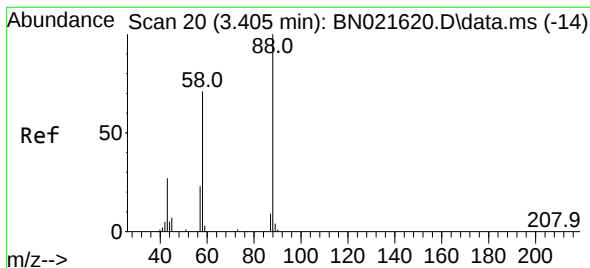
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Manual Integrations

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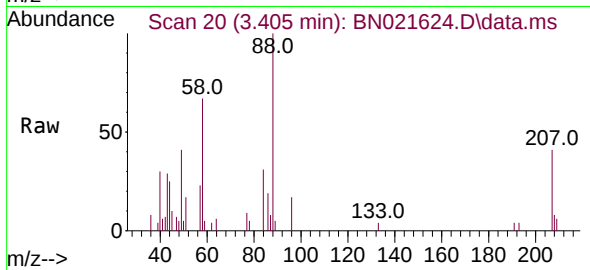
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#2
1,4-Dioxane
Concen: 1.065 ng/uL
RT: 3.405 min Scan# 20
Delta R.T. 0.006 min
Lab File: BN021624.D
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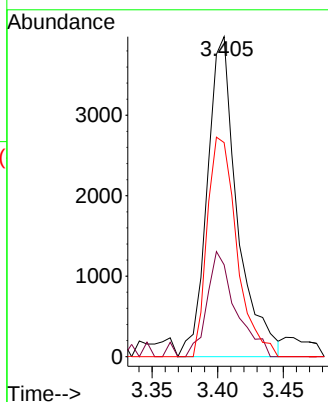
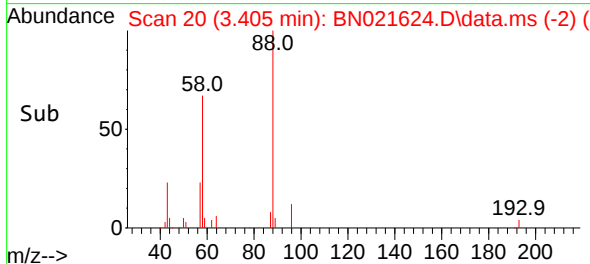
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2022-04



Tgt Ion: 88 Resp: 6321
Ion Ratio Lower Upper
88 100
43 28.7 22.4 33.6
58 66.9 61.0 91.4

Manual Integrations
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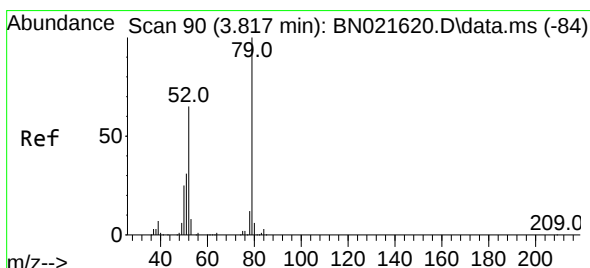
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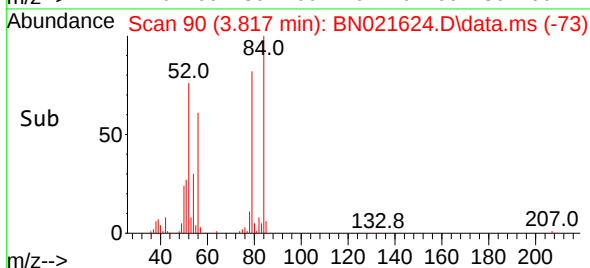
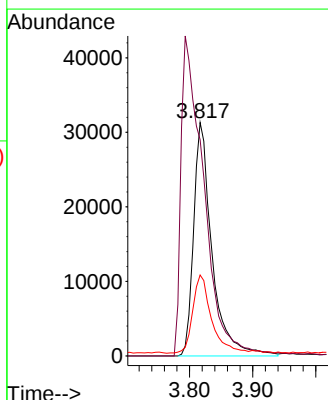
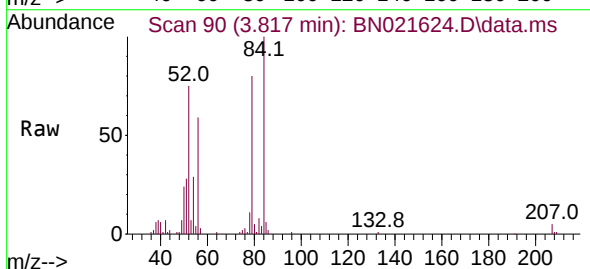
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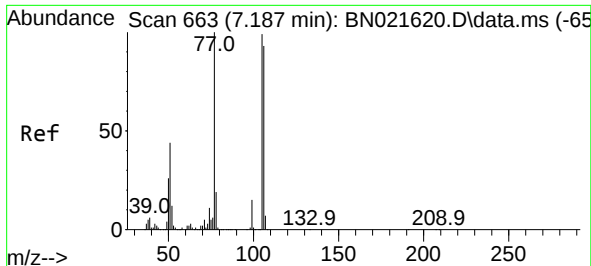
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#5
Pyridine
Concen: 4.024 ng/uL
RT: 3.817 min Scan# 90
Delta R.T. 0.000 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

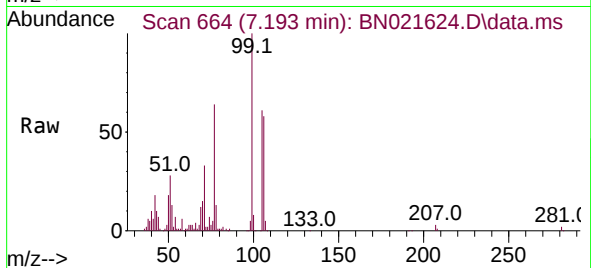
Tgt Ion: 79 Resp: 63600
Ion Ratio Lower Upper
79 100
52 92.7 65.0 97.4
51 34.7 31.6 47.4





#6
Benzaldehyde
Concen: 5.226 ng/ul
RT: 7.193 min Scan# 664
Delta R.T. 0.000 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2022-04



Tgt Ion: 77 Resp: 44563
Ion Ratio Lower Upper
77 100
105 96.1 74.7 112.1
106 91.7 70.2 105.4

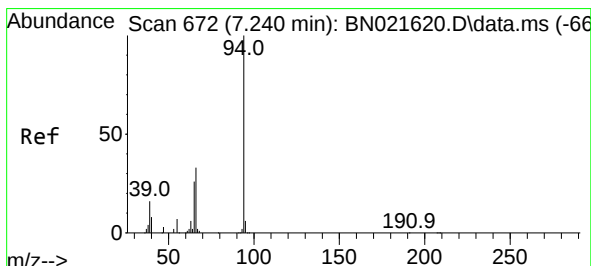
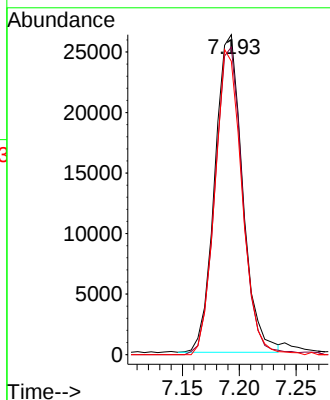
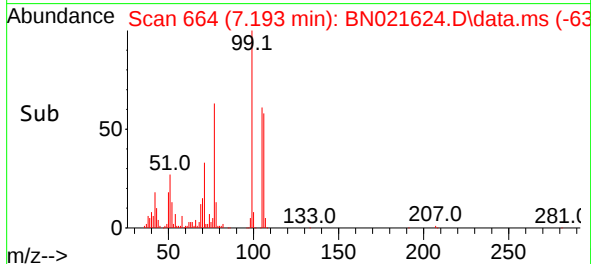
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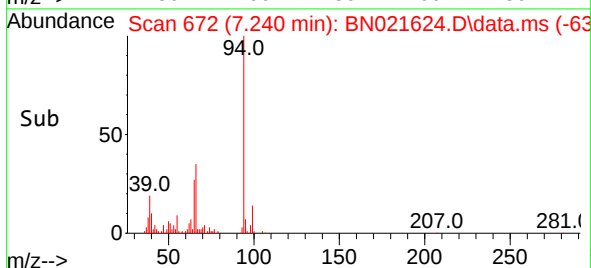
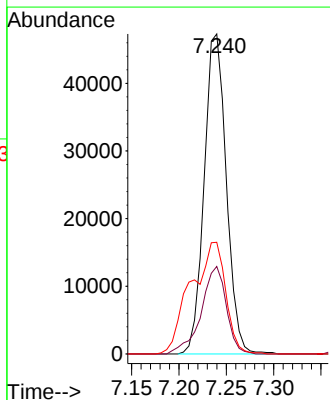
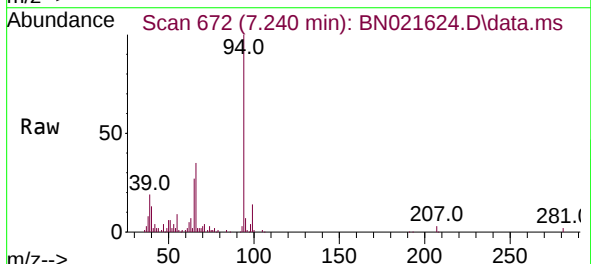
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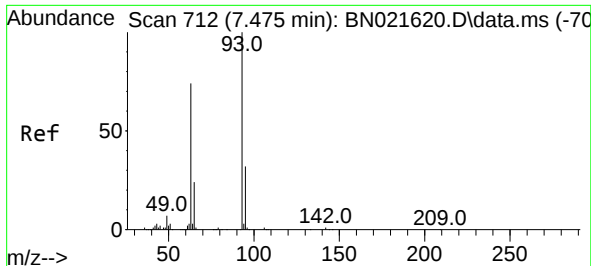
09/08/2022



#8
Phenol
Concen: 3.799 ng/ul
RT: 7.240 min Scan# 672
Delta R.T. 0.000 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

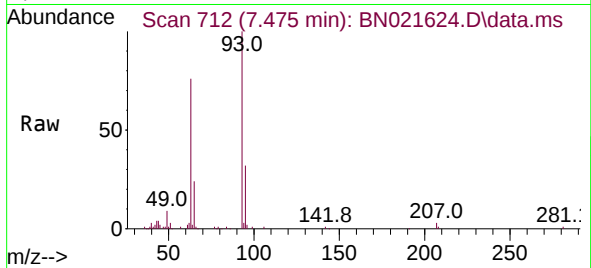
Tgt Ion: 94 Resp: 77055
Ion Ratio Lower Upper
94 100
65 27.3 23.6 35.4
66 34.9 31.2 46.8





#10
Bis(2-Chloroethyl)ether
Concen: 4.013 ng/ul
RT: 7.475 min Scan# 712
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2022-04



Tgt Ion: 93 Resp: 64902
Ion Ratio Lower Upper
93 100
63 76.3 63.4 95.0
95 31.5 26.2 39.2

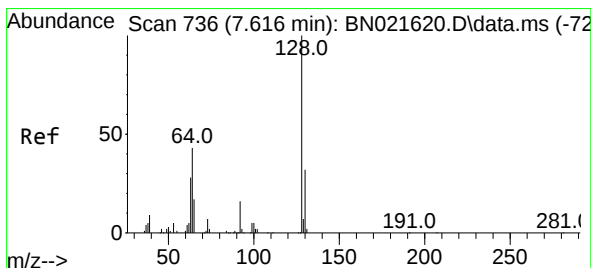
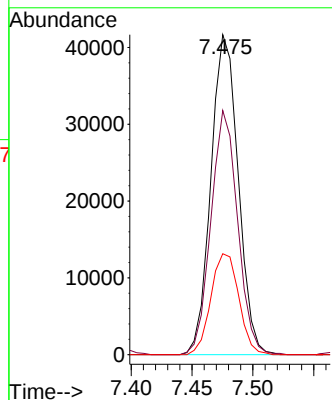
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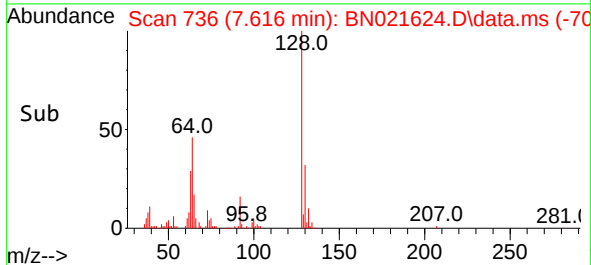
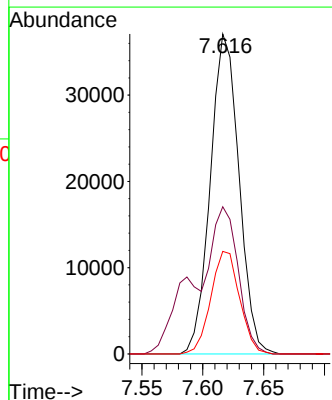
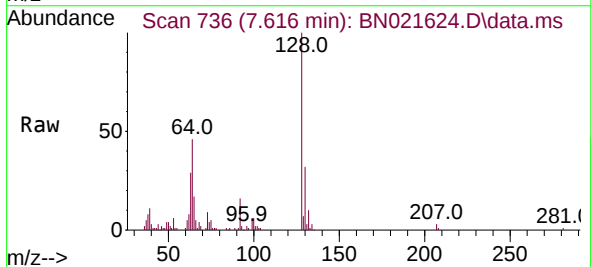
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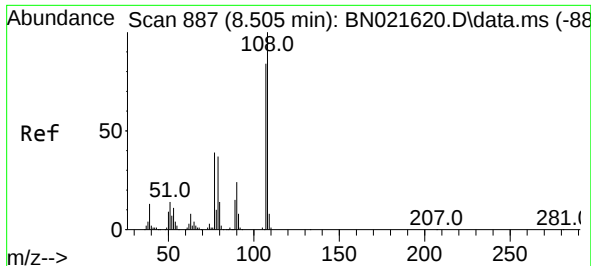
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#12
2-Chlorophenol
Concen: 3.971 ng/ul
RT: 7.616 min Scan# 736
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Tgt Ion:128 Resp: 60831
Ion Ratio Lower Upper
128 100
64 46.0 38.6 57.8
130 32.0 25.0 37.4





#13

2-Methylphenol

Concen: 3.524 ng/ul

RT: 8.511 min Scan# 887

Delta R.T. 0.000 min

Lab File: BN021624.D

Acq: 07 Sep 2022 13:04

Instrument :

BNA_N

ClientSampleId :

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Tgt Ion:108 Resp: 5431

Ion Ratio Lower Upper

108 100

107 87.9 71.5 107.3

Manual Integrations

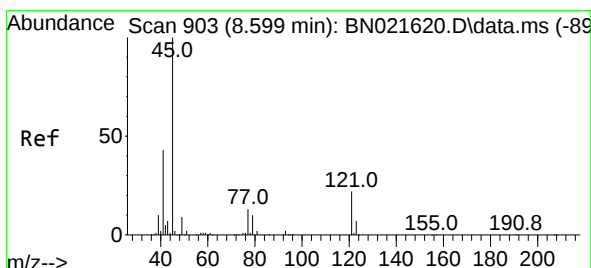
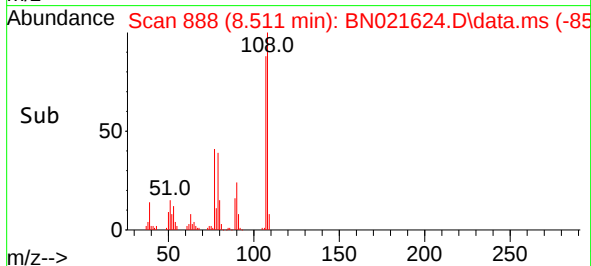
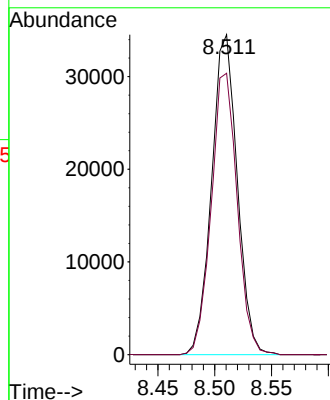
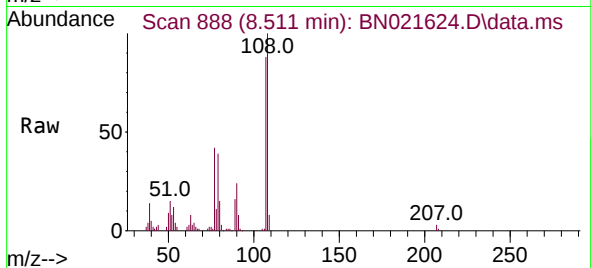
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ahmed
09/08/2022

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ahmed

09/08/2022



#14

2,2'-oxybis(1-Chloropropane)

Concen: 4.178 ng/ul

RT: 8.599 min Scan# 903

Delta R.T. 0.000 min

Lab File: BN021624.D

Acq: 07 Sep 2022 13:04

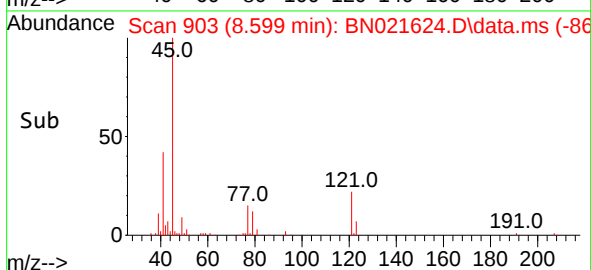
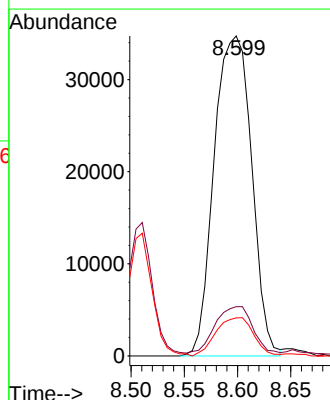
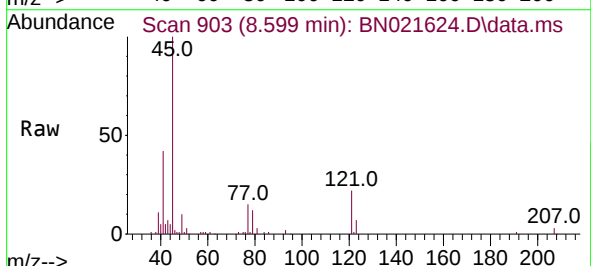
Tgt Ion: 45 Resp: 85222

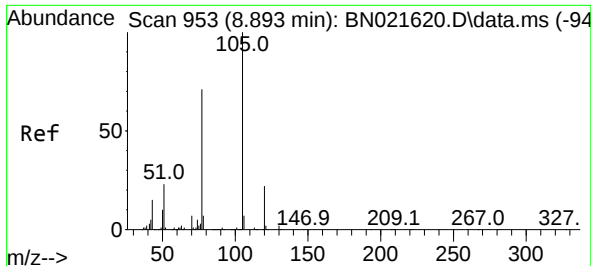
Ion Ratio Lower Upper

45 100

77 15.4 10.9 16.3

79 11.9 8.6 13.0





#16
Acetophenone
Concen: 4.071 ng/ul
RT: 8.893 min Scan# 915
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2022-04

Tgt Ion: 105 Resp: 99152
Ion Ratio Lower Upper
105 100
77 78.4 63.5 95.3
51 26.0 23.5 35.3

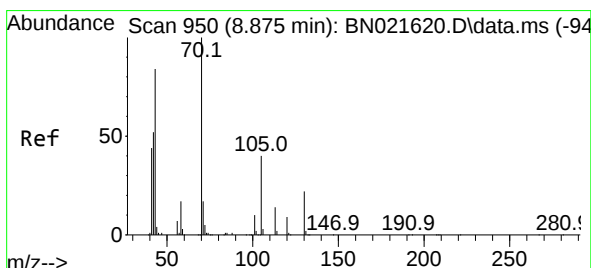
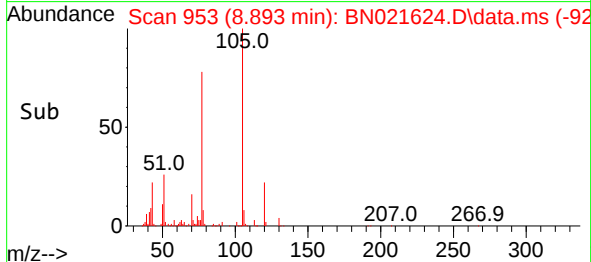
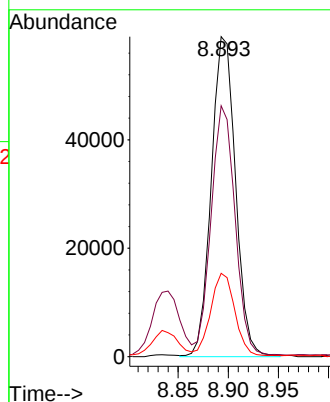
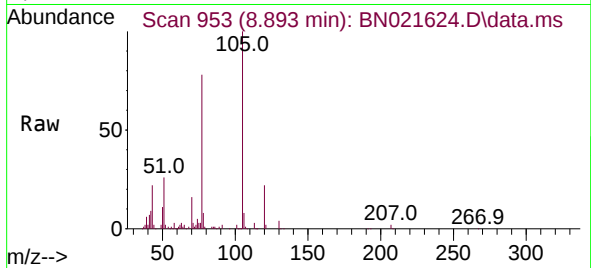
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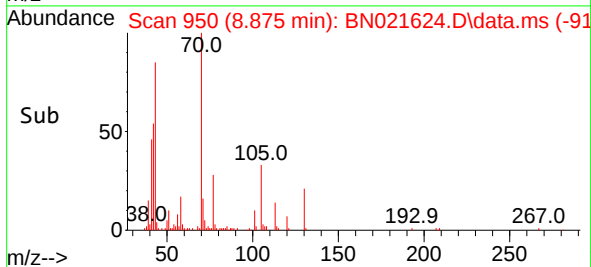
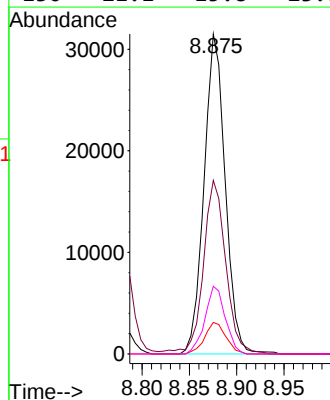
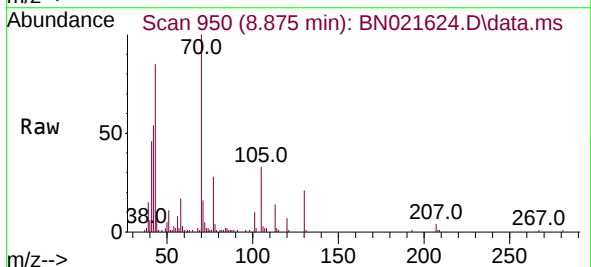
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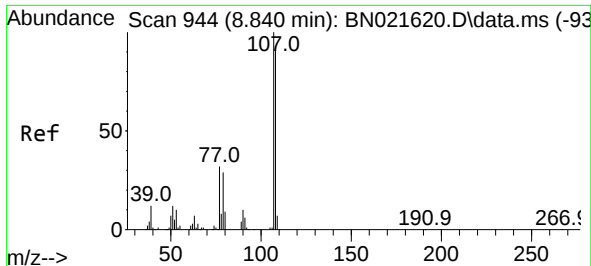
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#17
N-Nitroso-di-n-propylamine
Concen: 4.043 ng/ul
RT: 8.875 min Scan# 950
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

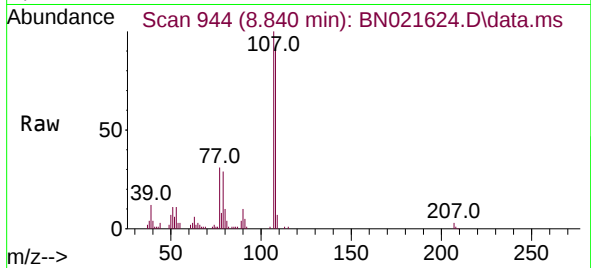
Tgt Ion: 70 Resp: 49037
Ion Ratio Lower Upper
70 100
42 54.2 47.8 71.6
101 9.8 7.8 11.6
130 21.1 15.8 23.8





#18
4-Methylphenol
Concen: 3.815 ng/ul
RT: 8.840 min Scan# 944
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2022-04



Tgt Ion:108 Resp: 64576
Ion Ratio Lower Upper
108 100
107 108.7 88.0 132.0

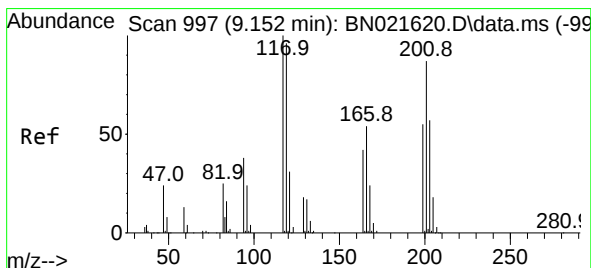
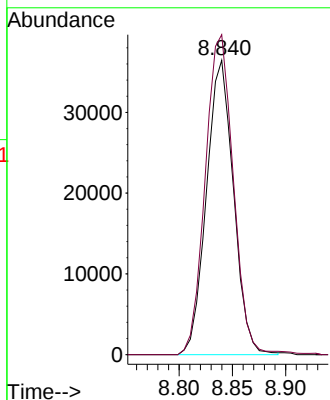
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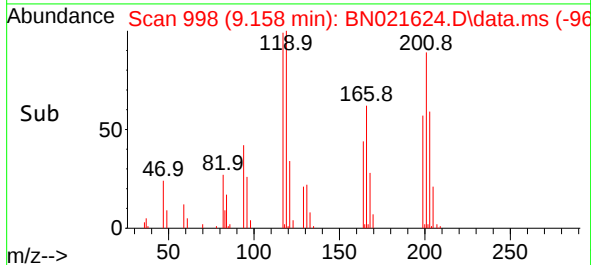
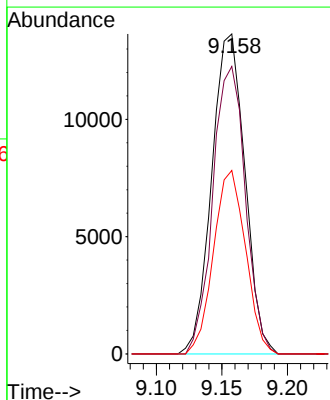
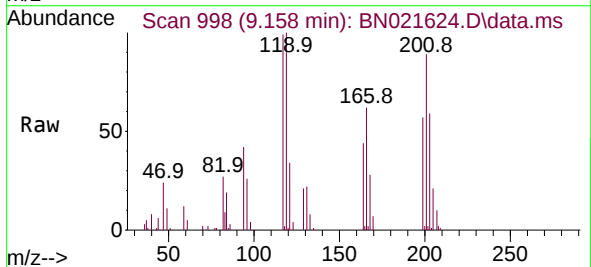
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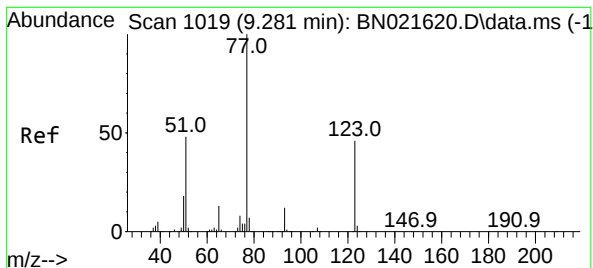
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#19
Hexachloroethane
Concen: 3.933 ng/ul
RT: 9.158 min Scan# 998
Delta R.T. 0.000 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

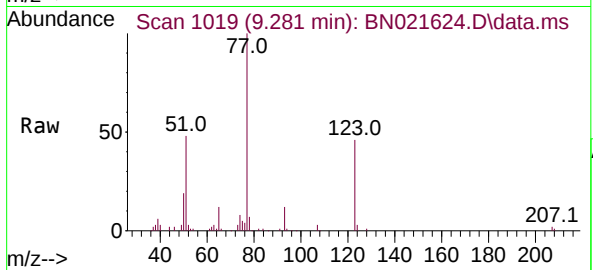
Tgt Ion:117 Resp: 24015
Ion Ratio Lower Upper
117 100
201 89.8 83.2 124.8
199 57.3 50.2 75.4





#22
Nitrobenzene
Concen: 4.332 ng/ul
RT: 9.281 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Instrument : BNA_N
ClientSampleId : MDL-SOIL-QT2-2022-04



Tgt Ion: 77 Resp: 72738
Ion Ratio Lower Upper
77 100
123 46.2 34.5 51.7
65 12.4 11.1 16.7

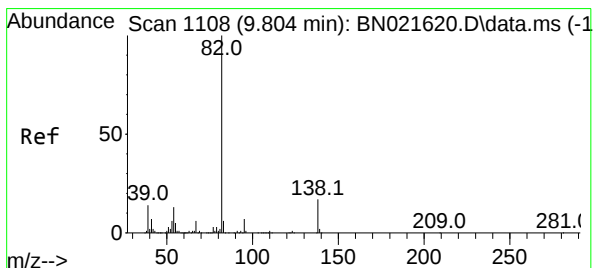
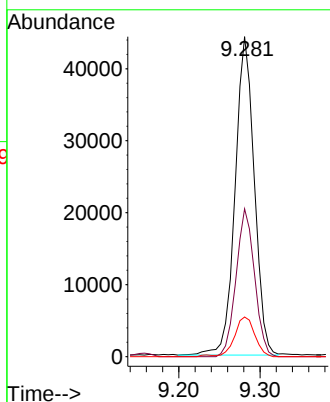
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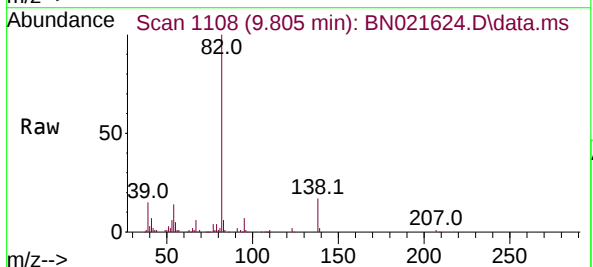
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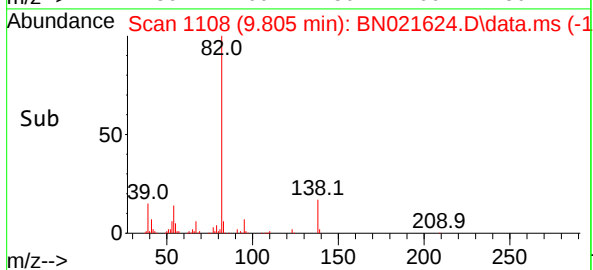
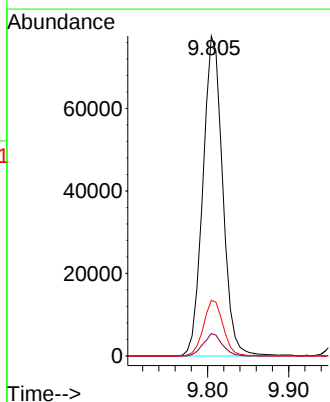
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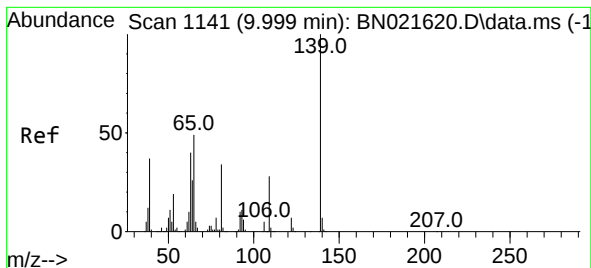


#23
Isophorone
Concen: 3.798 ng/ul
RT: 9.805 min Scan# 1108
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04



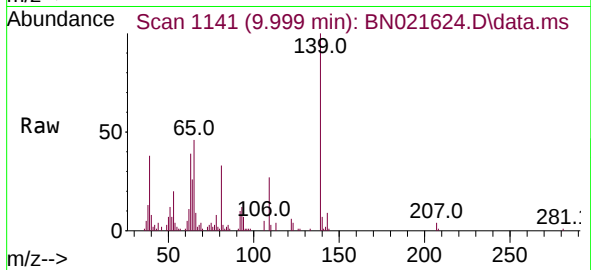
Tgt Ion: 82 Resp: 131337
Ion Ratio Lower Upper
82 100
95 7.0 5.8 8.8
138 17.3 13.8 20.8





#25
2-Nitrophenol
Concen: 4.789 ng/ul
RT: 9.999 min Scan# 1141
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:139 Resp: 34142
Ion Ratio Lower Upper
139 100
65 45.9 43.7 65.5
109 27.0 25.8 38.6

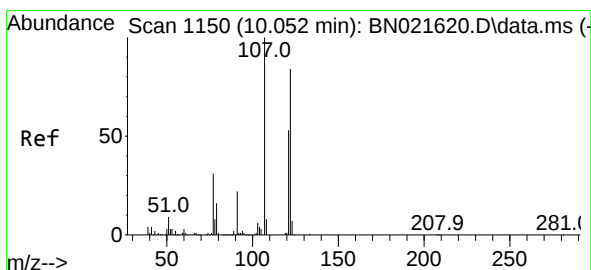
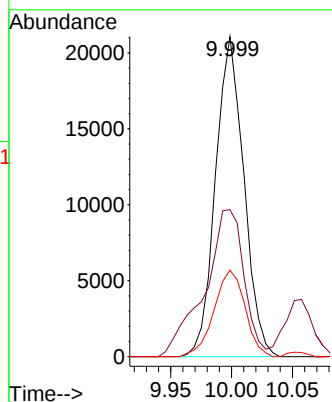
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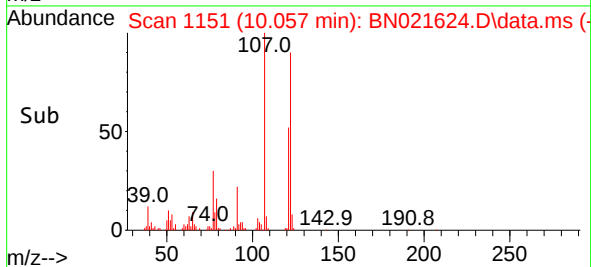
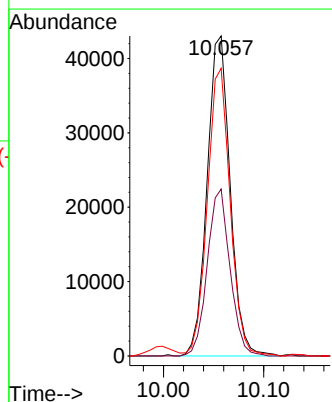
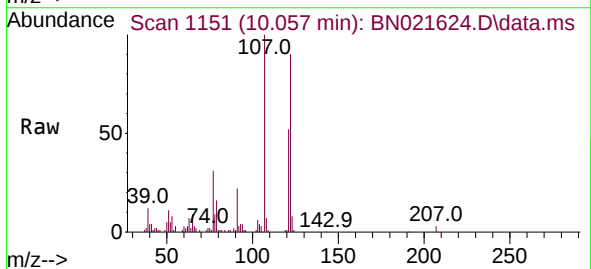
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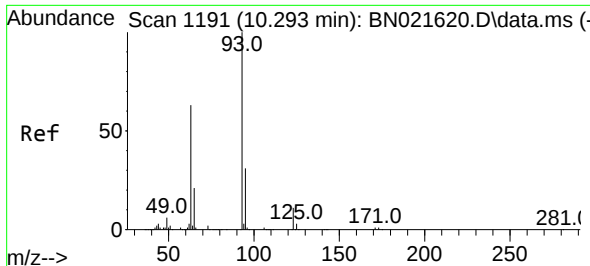
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#26
2,4-Dimethylphenol
Concen: 3.893 ng/ul
RT: 10.057 min Scan# 1151
Delta R.T. 0.000 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

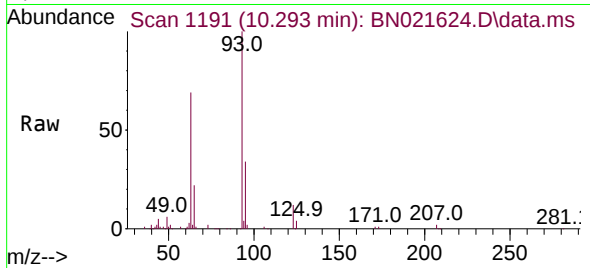
Tgt Ion:107 Resp: 68734
Ion Ratio Lower Upper
107 100
121 52.1 38.3 57.5
122 89.9 66.3 99.5





#27
Bis(2-Chloroethoxy)methane
Concen: 4.160 ng/ul
RT: 10.293 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2022-04



Tgt Ion: 93 Resp: 90072
Ion Ratio Lower Upper
93 100
95 33.6 25.4 38.0
123 12.1 8.3 12.5

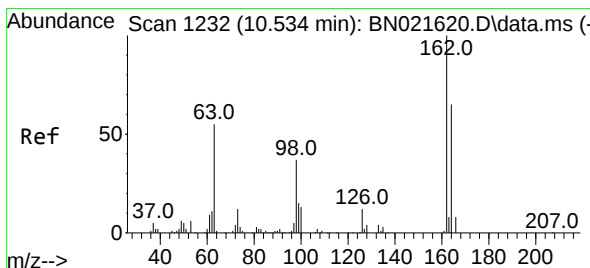
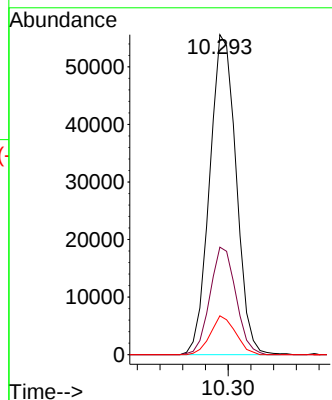
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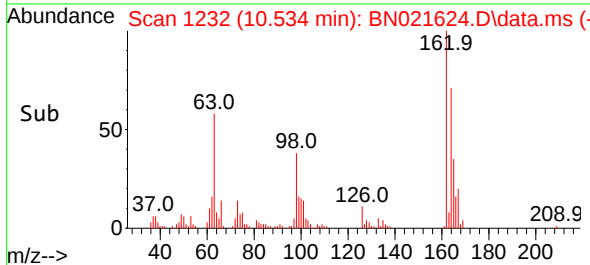
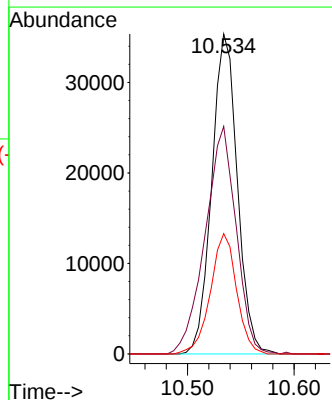
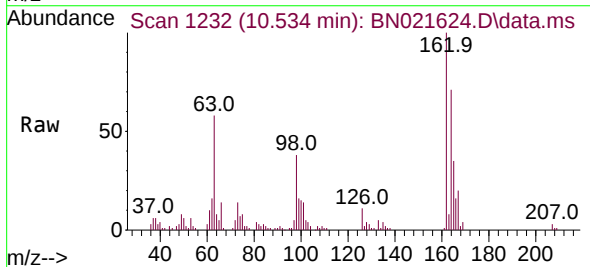
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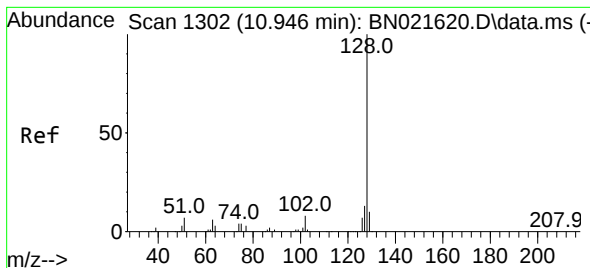
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#29
2,4-Dichlorophenol
Concen: 4.182 ng/ul
RT: 10.534 min Scan# 1232
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

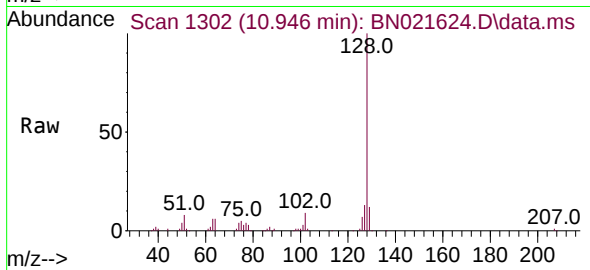
Tgt Ion:162 Resp: 59068
Ion Ratio Lower Upper
162 100
164 71.1 52.9 79.3
98 37.6 29.8 44.8





#30
Naphthalene
Concen: 4.094 ng/ul
RT: 10.946 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Instrument : BNA_N
ClientSampleId : MDL-SOIL-QT2-2022-04



Tgt Ion:128 Resp: 213193
Ion Ratio Lower Upper
128 100
129 11.5 8.7 13.1
127 12.6 10.6 16.0

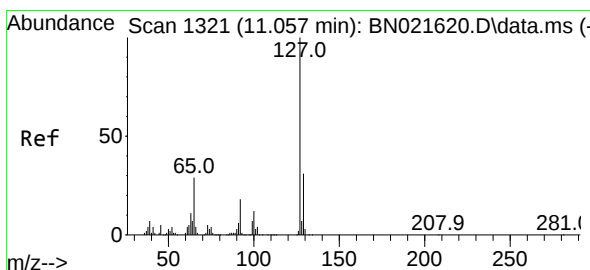
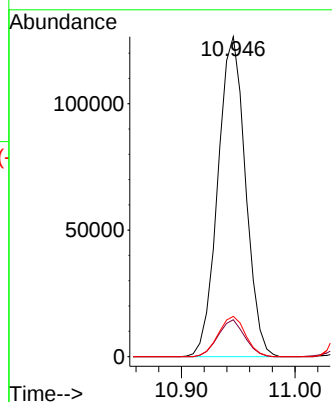
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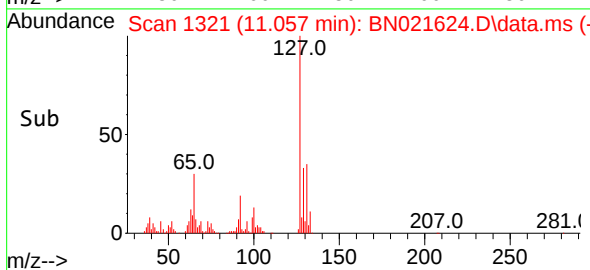
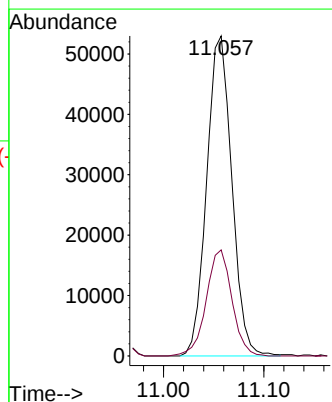
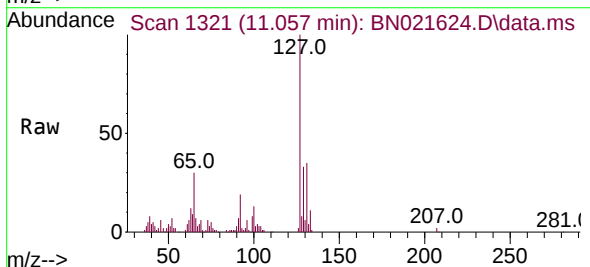
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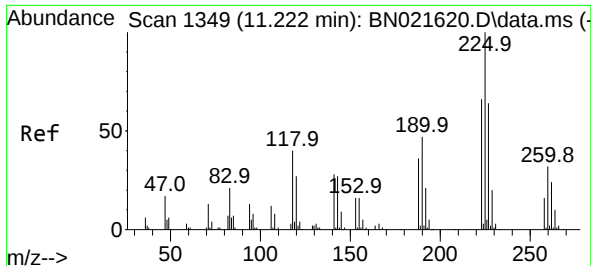
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#32
4-Chloroaniline
Concen: 3.894 ng/ul
RT: 11.057 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

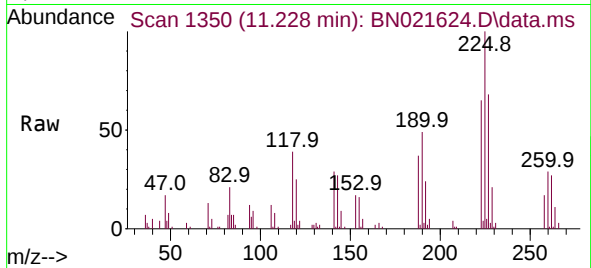
Tgt Ion:127 Resp: 92382
Ion Ratio Lower Upper
127 100
129 33.1 26.1 39.1





#33
Hexachlorobutadiene
Concen: 4.053 ng/ul
RT: 11.228 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:225 Resp: 32979
Ion Ratio Lower Upper
225 100
223 64.6 51.8 77.6
227 67.8 50.6 76.0

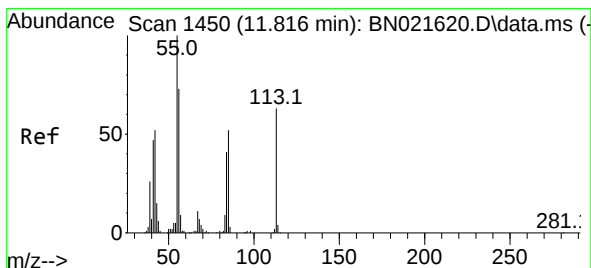
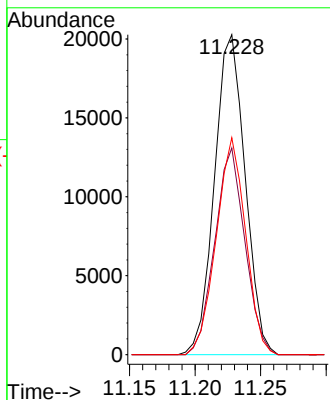
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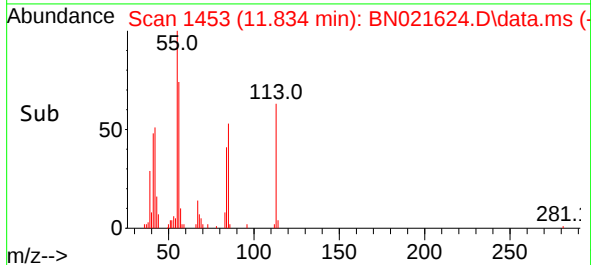
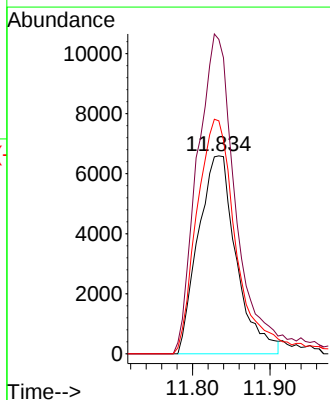
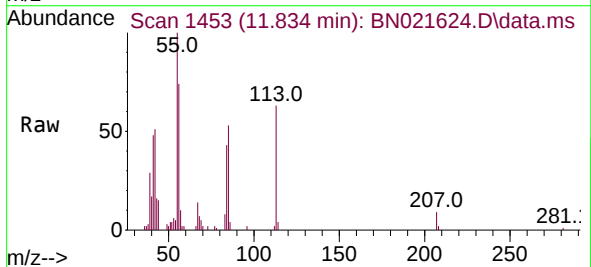
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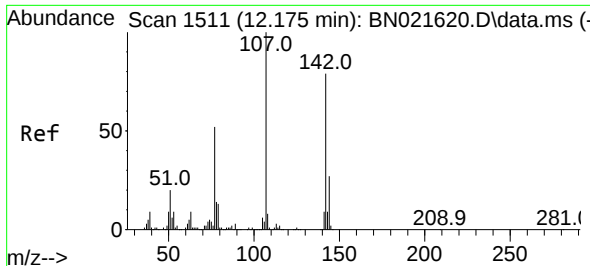
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#34
Caprolactam
Concen: 4.171 ng/ul
RT: 11.834 min Scan# 1453
Delta R.T. 0.018 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

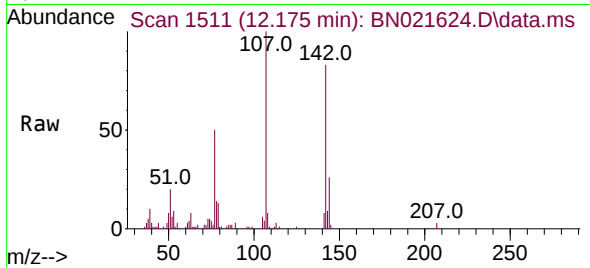
Tgt Ion:113 Resp: 22533
Ion Ratio Lower Upper
113 100
55 158.9 145.5 218.3
56 117.7 106.5 159.7





#35
4-Chloro-3-methylphenol
Concen: 3.928 ng/ul
RT: 12.175 min Scan# 1511
Delta R.T. 0.000 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2022-04



Tgt Ion:107 Resp: 62523
Ion Ratio Lower Upper
107 100
144 25.9 20.6 31.0
142 82.6 62.2 93.4

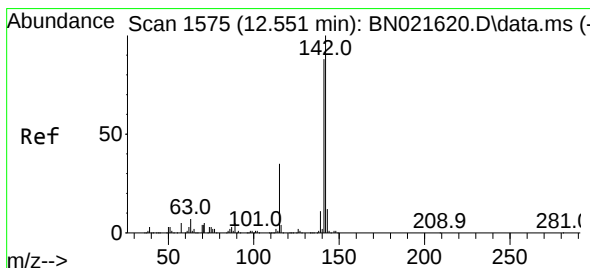
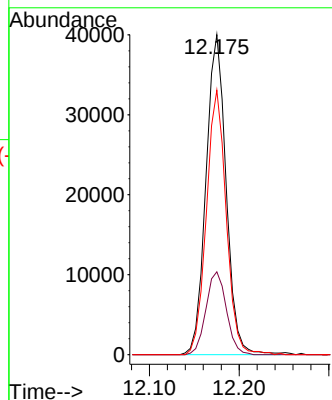
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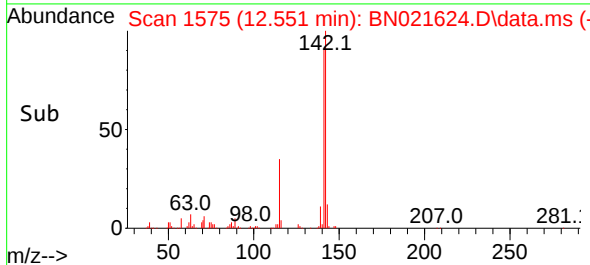
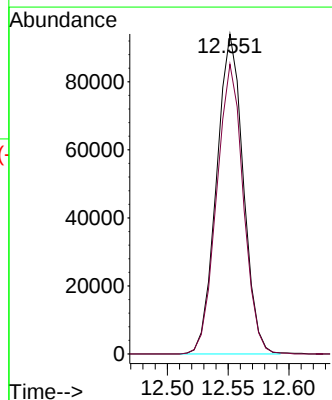
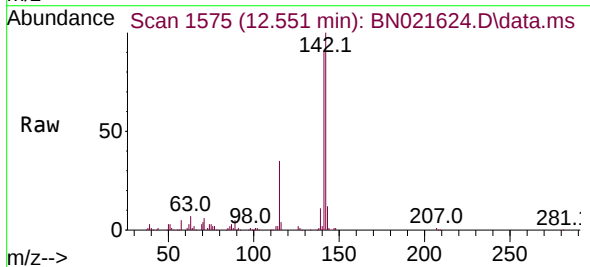
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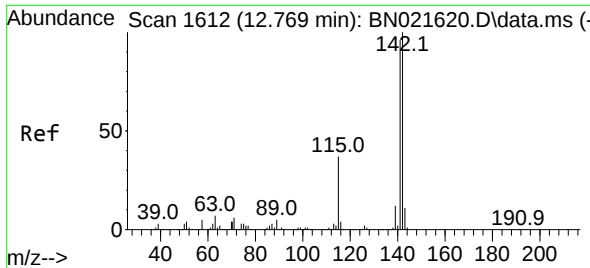
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#36
2-Methylnaphthalene
Concen: 4.072 ng/ul
RT: 12.551 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

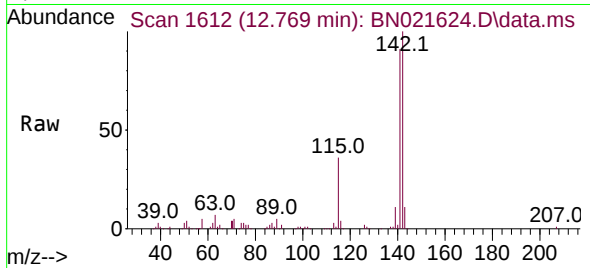
Tgt Ion:142 Resp: 143468
Ion Ratio Lower Upper
142 100
141 90.5 70.6 105.8





#37
1-Methylnaphthalene
Concen: 4.324 ng/ul
RT: 12.769 min Scan# 1612
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2022-04



Tgt Ion:142 Resp: 153099
Ion Ratio Lower Upper
142 100
141 91.3 70.9 106.3
116 3.9 3.1 4.7

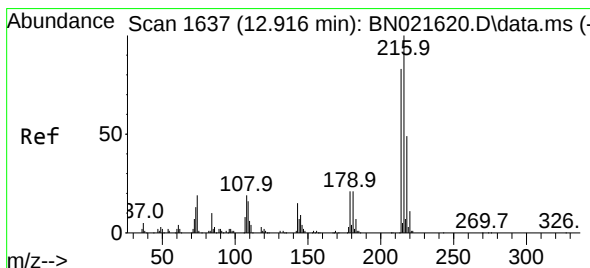
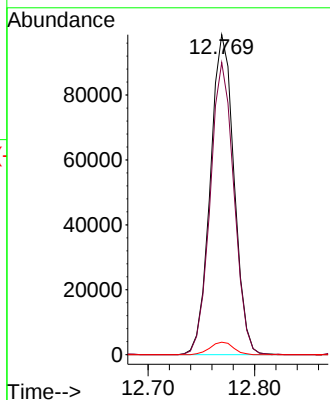
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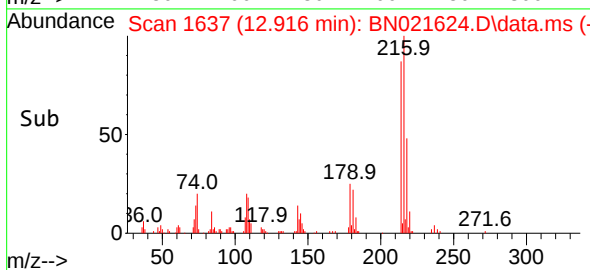
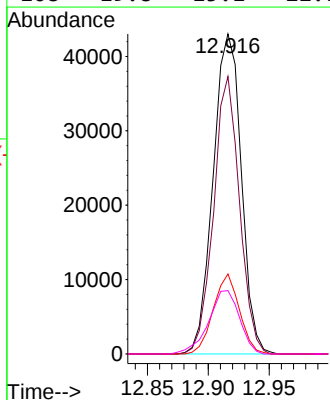
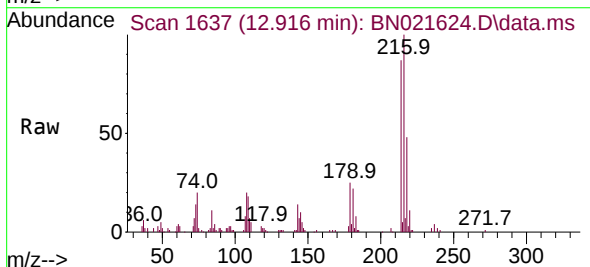
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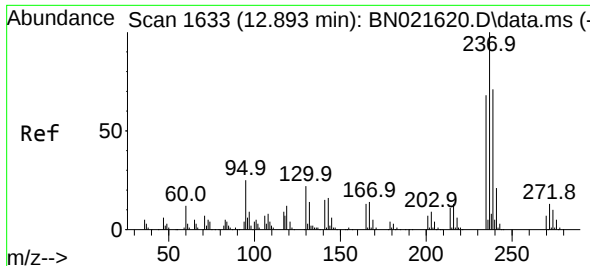
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#39
1,2,4,5-Tetrachlorobenzene
Concen: 4.213 ng/ul
RT: 12.916 min Scan# 1637
Delta R.T. 0.000 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

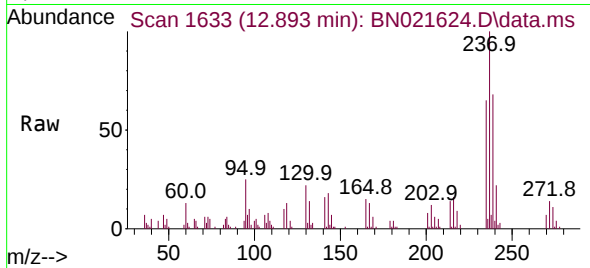
Tgt Ion:216 Resp: 69178
Ion Ratio Lower Upper
216 100
214 86.7 63.4 95.0
179 25.0 17.8 26.8
108 19.8 15.1 22.7





#40
Hexachlorocyclopentadiene
Concen: 3.592 ng/ul
RT: 12.893 min Scan# 1633
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2022-04



Tgt Ion:237 Resp: 35113
Ion Ratio Lower Upper
237 100
235 65.3 48.8 73.2
272 14.2 9.3 13.9

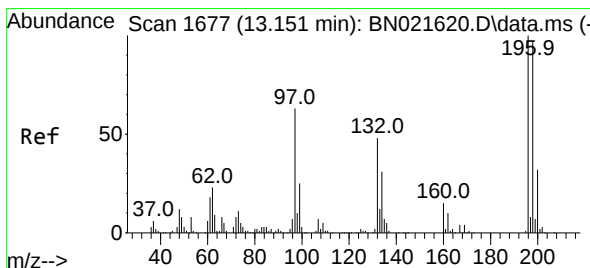
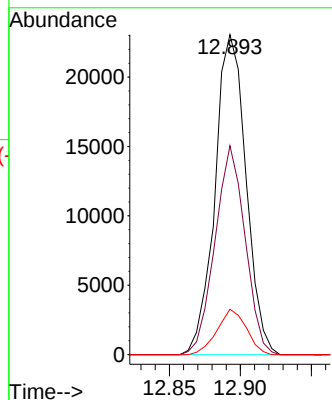
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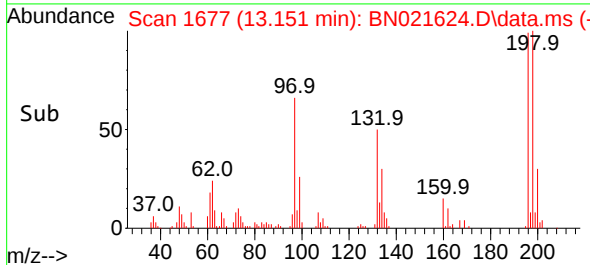
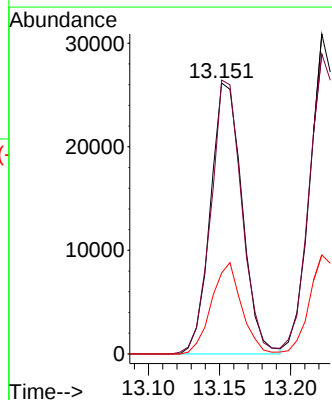
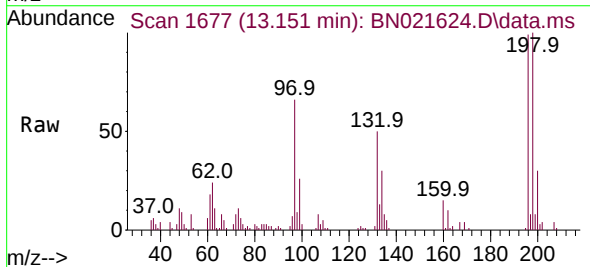
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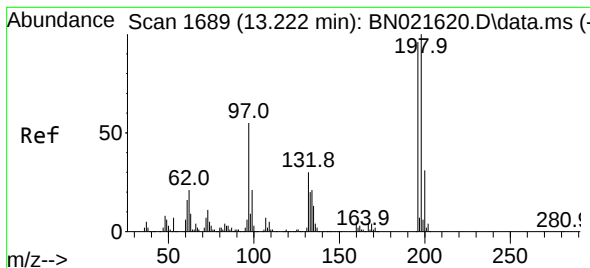
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#41
2,4,6-Trichlorophenol
Concen: 3.982 ng/ul
RT: 13.151 min Scan# 1677
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

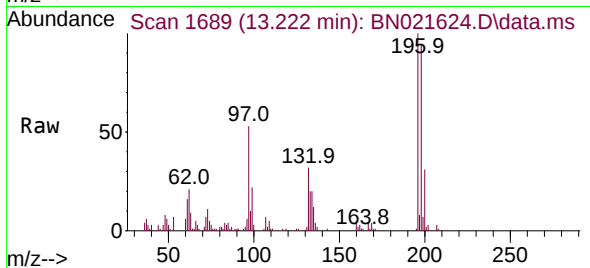
Tgt Ion:196 Resp: 40572
Ion Ratio Lower Upper
196 100
198 101.1 79.8 119.8
200 29.9 25.0 37.6





#42
2,4,5-Trichlorophenol
Concen: 3.952 ng/ul
RT: 13.222 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2022-04



Tgt Ion:196 Resp: 44174
Ion Ratio Lower Upper
196 100
198 93.7 77.6 116.4
200 30.9 24.4 36.6

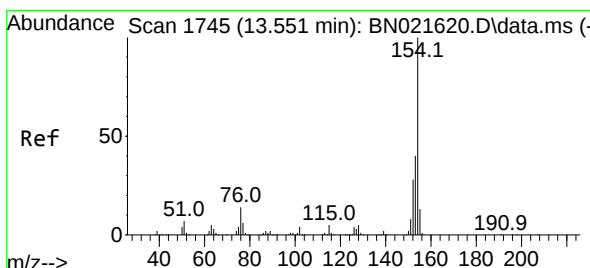
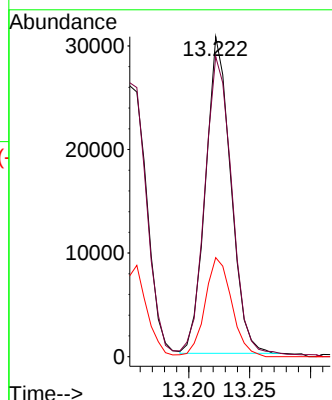
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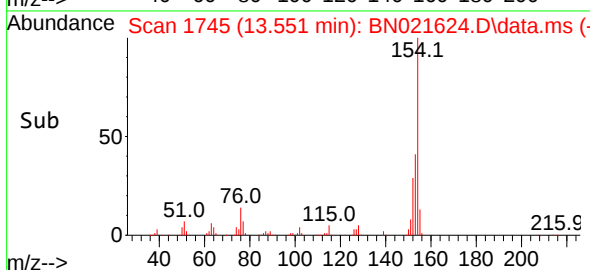
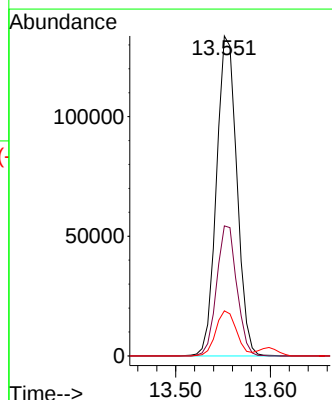
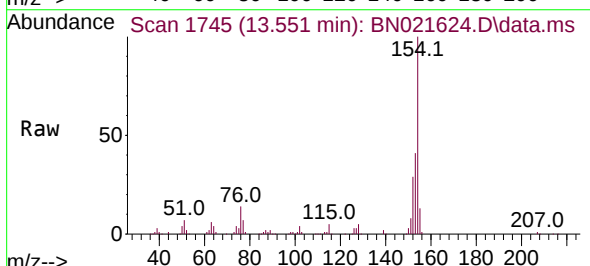
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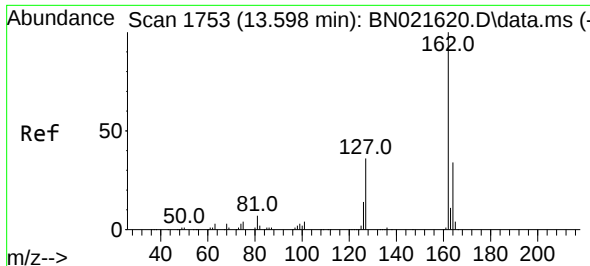
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#43
1,1'-Biphenyl
Concen: 4.271 ng/ul
RT: 13.551 min Scan# 1745
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

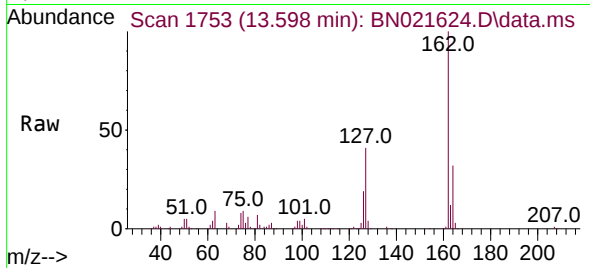
Tgt Ion:154 Resp: 199848
Ion Ratio Lower Upper
154 100
153 40.6 31.5 47.3
76 14.1 10.5 15.7





#44
2-Chloronaphthalene
Concen: 4.208 ng/ul
RT: 13.598 min Scan# 1753
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Instrument : BNA_N
ClientSampleId : MDL-SOIL-QT2-2022-04



Tgt Ion:162 Resp: 15077
Ion Ratio Lower Upper
162 100
164 32.3 25.8 38.6
127 40.8 31.4 47.2

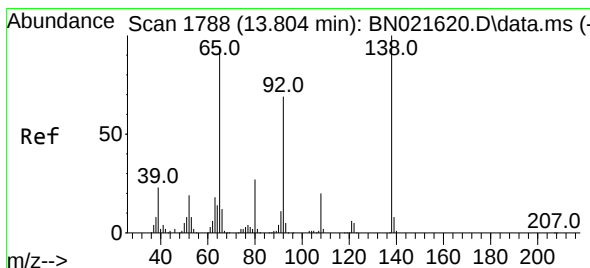
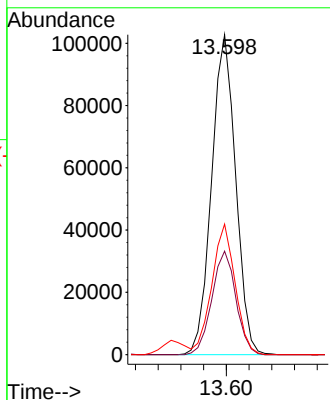
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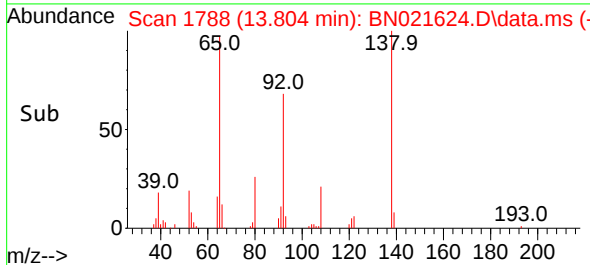
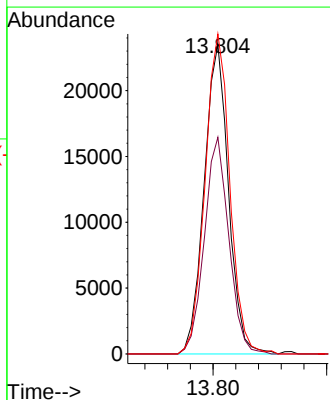
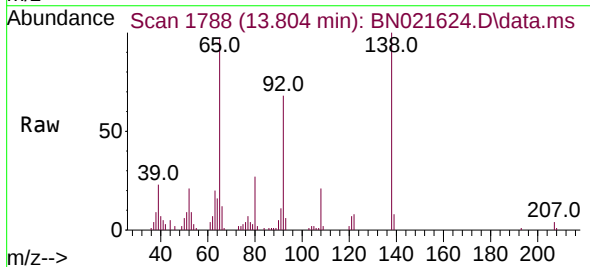
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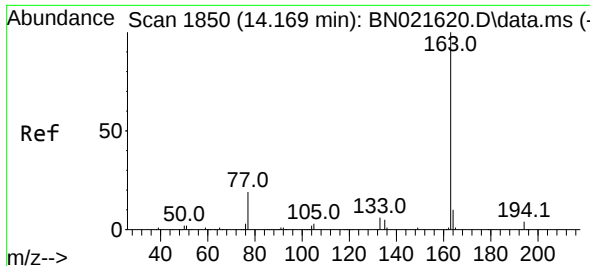
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#45
2-Nitroaniline
Concen: 3.892 ng/ul
RT: 13.804 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

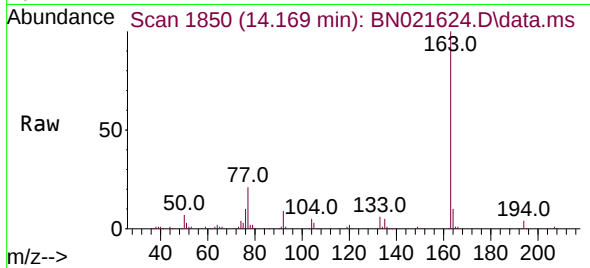
Tgt Ion: 65 Resp: 34975
Ion Ratio Lower Upper
65 100
92 70.0 54.1 81.1
138 103.4 77.0 115.4





#47
Dimethylphthalate
Concen: 4.288 ng/ul
RT: 14.169 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2022-04



Tgt Ion:163 Resp: 191975
Ion Ratio Lower Upper
163 100
194 3.7 3.4 5.0
164 10.2 7.7 11.5

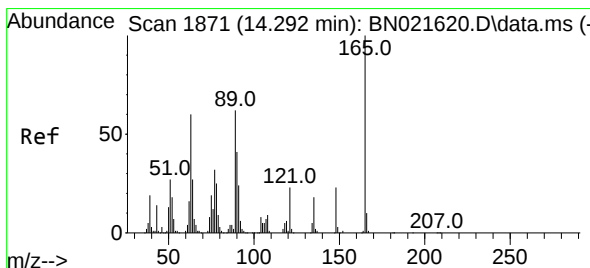
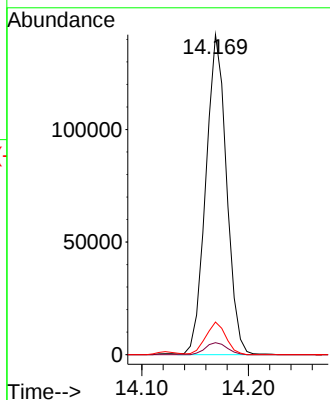
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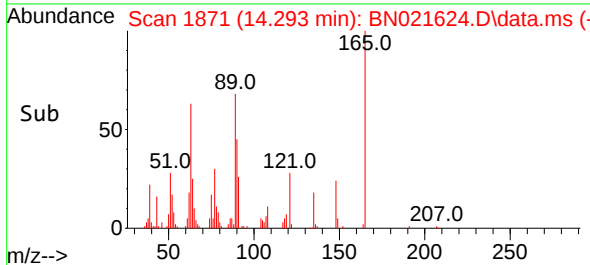
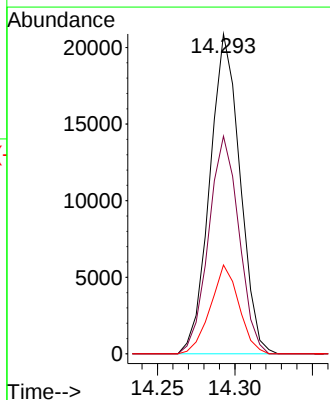
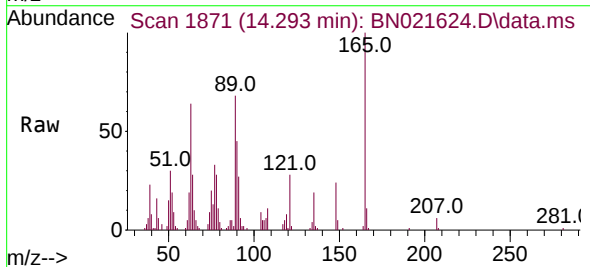
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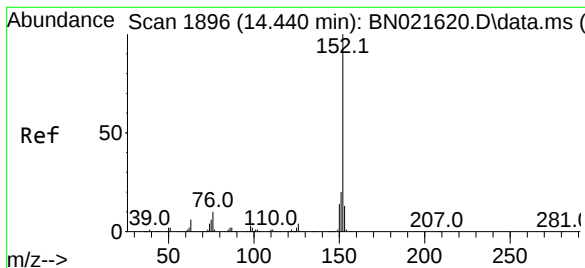
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#48
2,6-Dinitrotoluene
Concen: 3.700 ng/ul
RT: 14.293 min Scan# 1871
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

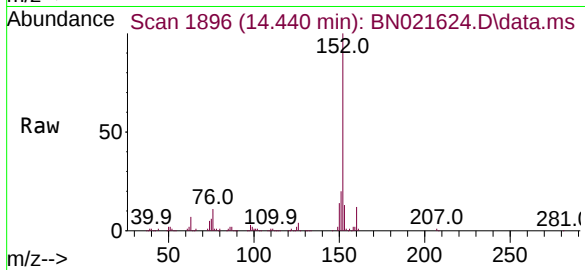
Tgt Ion:165 Resp: 28416
Ion Ratio Lower Upper
165 100
89 68.0 50.6 75.8
121 27.8 17.9 26.9#





#50
Acenaphthylene
Concen: 4.224 ng/ul
RT: 14.440 min Scan# 1896
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Instrument : BNA_N
ClientSampleId : MDL-SOIL-QT2-2022-04



Tgt Ion:152 Resp: 248796
Ion Ratio Lower Upper
152 100
151 19.6 16.0 24.0
153 12.7 10.7 16.1

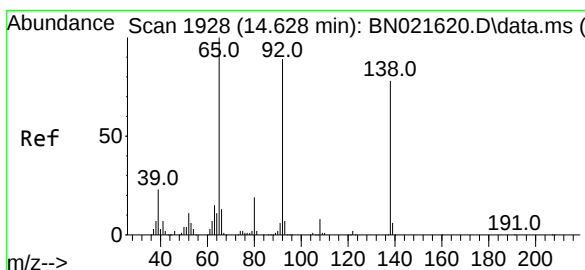
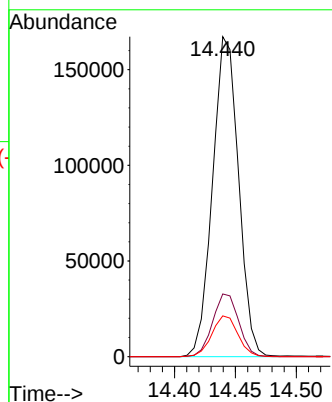
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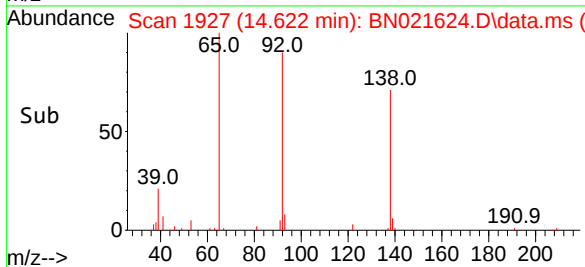
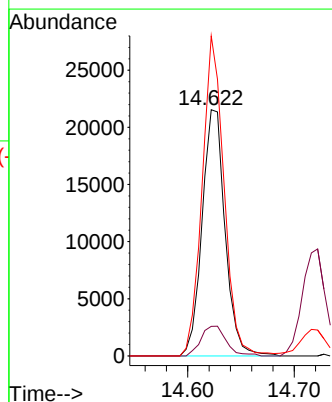
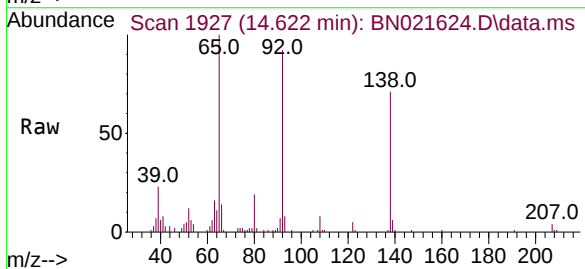
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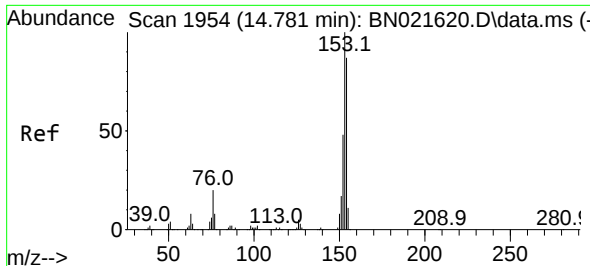
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#51
3-Nitroaniline
Concen: 3.772 ng/ul
RT: 14.622 min Scan# 1927
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

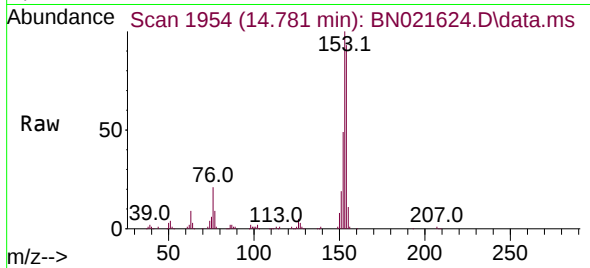
Tgt Ion:138 Resp: 32278
Ion Ratio Lower Upper
138 100
108 12.0 8.6 12.8
92 130.0 92.9 139.3





#52
Acenaphthene
Concen: 4.176 ng/ul
RT: 14.781 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Instrument : BNA_N
ClientSampleId : MDL-SOIL-QT2-2022-04



Tgt Ion:153 Resp: 158954
Ion Ratio Lower Upper
153 100
152 48.7 38.4 57.6
154 93.4 69.7 104.5

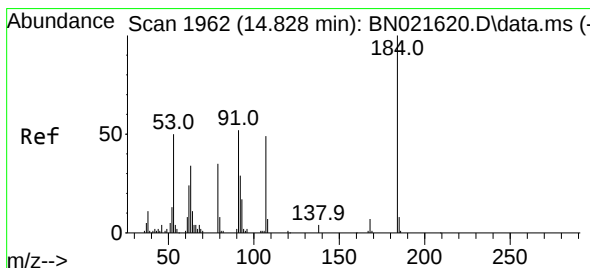
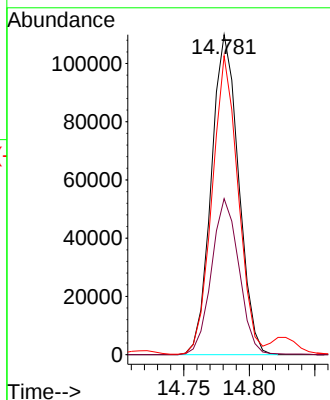
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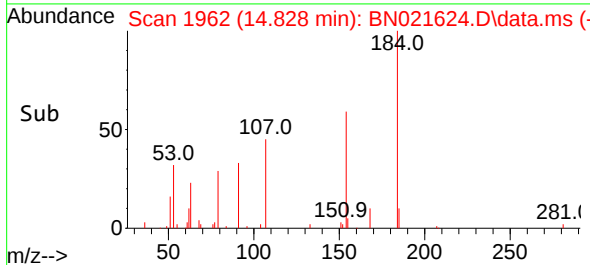
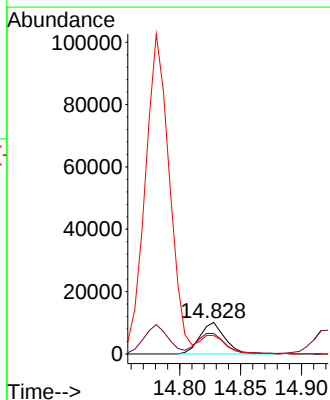
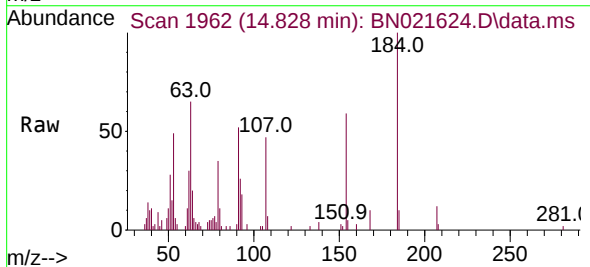
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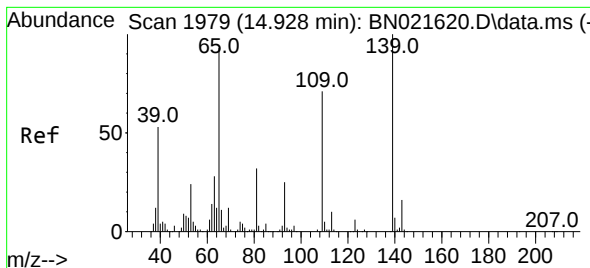
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#53
2,4-Dinitrophenol
Concen: 3.842 ng/ul
RT: 14.828 min Scan# 1962
Delta R.T. 0.000 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

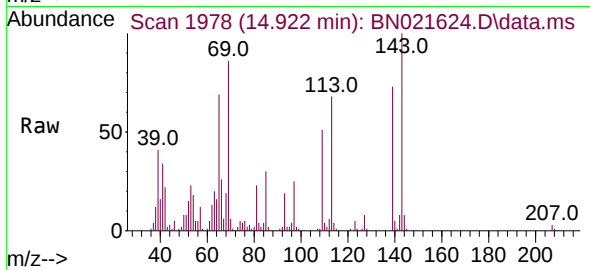
Tgt Ion:184 Resp: 14446
Ion Ratio Lower Upper
184 100
63 64.9 55.9 83.9
154 58.6 53.1 79.7





#55
4-Nitrophenol
Concen: 3.887 ng/ul
RT: 14.922 min Scan# 1979
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2022-04



Tgt Ion:109 Resp: 27136
Ion Ratio Lower Upper
109 100
139 144.4 100.1 150.1
65 135.8 104.6 157.0

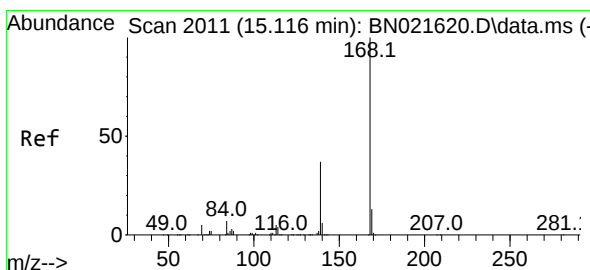
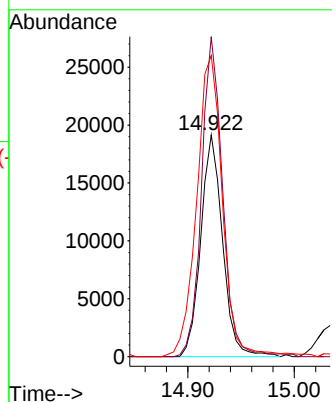
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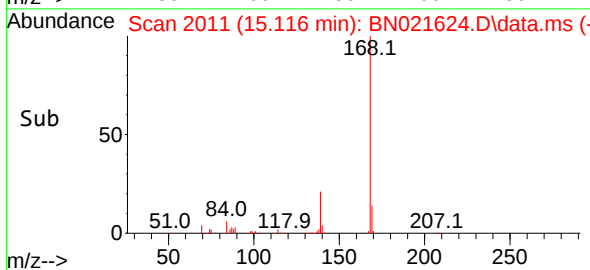
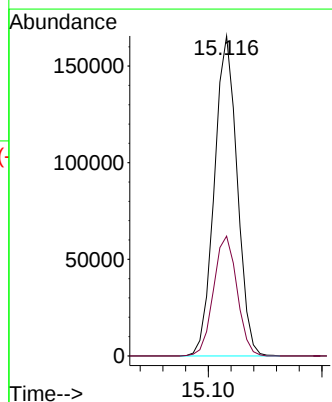
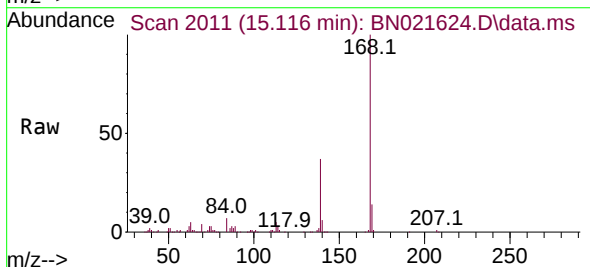
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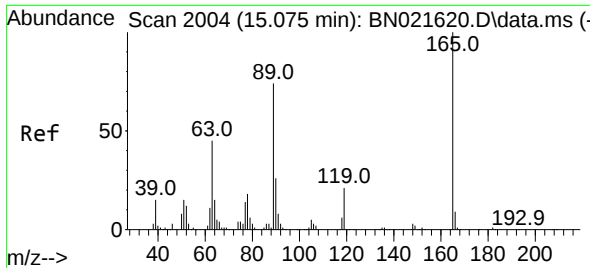
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#56
Dibenzofuran
Concen: 4.218 ng/ul
RT: 15.116 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Tgt Ion:168 Resp: 230655
Ion Ratio Lower Upper
168 100
139 37.5 31.1 46.7





#57
2,4-Dinitrotoluene
Concen: 4.039 ng/ul
RT: 15.075 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2022-04

Tgt Ion:165 Resp: 45050
Ion Ratio Lower Upper
165 100
63 45.9 36.3 54.5
182 2.9 2.3 3.5

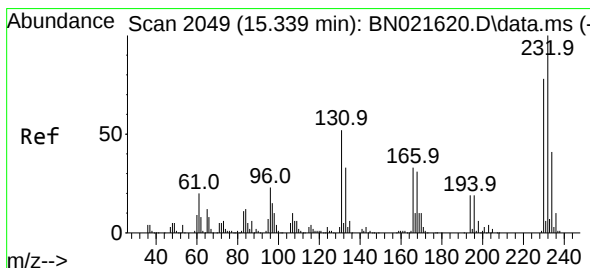
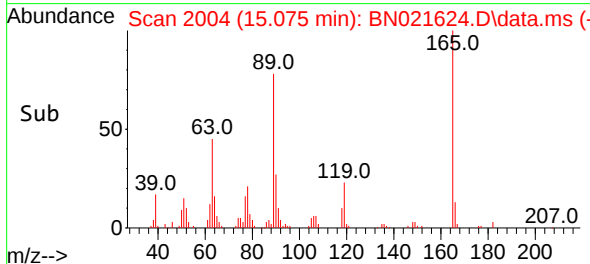
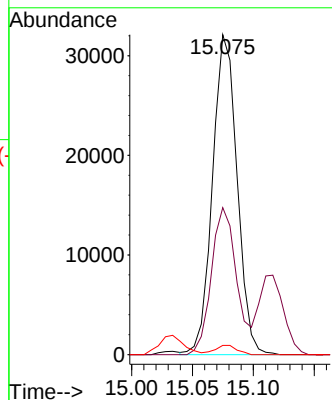
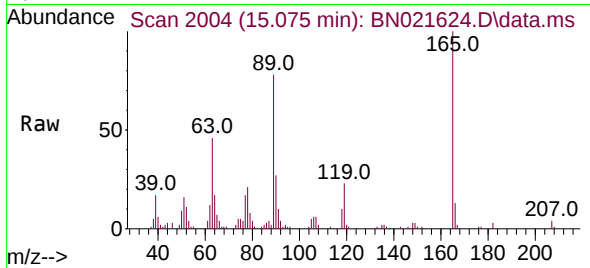
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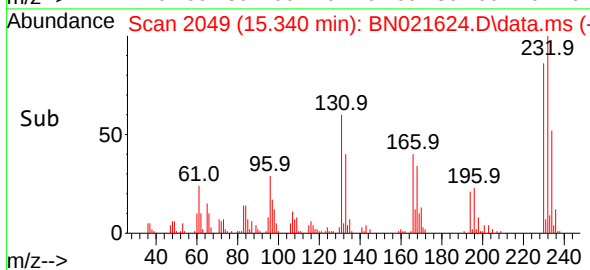
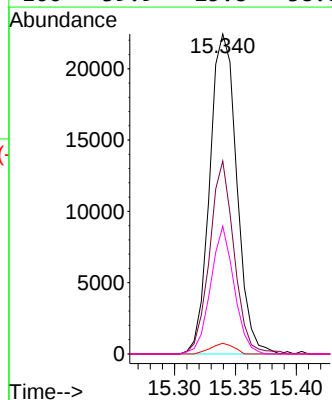
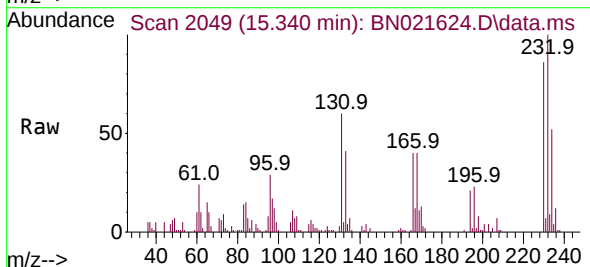
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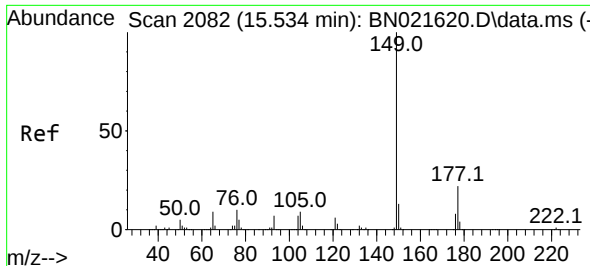
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#58
2,3,4,6-Tetrachlorophenol
Concen: 4.034 ng/ul
RT: 15.340 min Scan# 2049
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

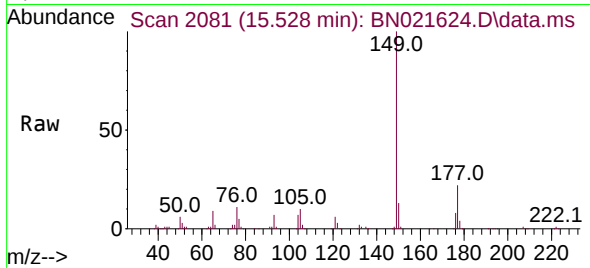
Tgt Ion:232 Resp: 34613
Ion Ratio Lower Upper
232 100
131 60.3 38.5 57.7#
130 3.3 2.2 3.2#
166 39.9 25.8 38.8#





#59
Diethylphthalate
Concen: 4.040 ng/ul
RT: 15.528 min Scan# 2082
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2022-04



Tgt Ion:149 Resp: 182396
Ion Ratio Lower Upper
149 100
177 22.1 17.8 26.8
150 12.9 10.5 15.7

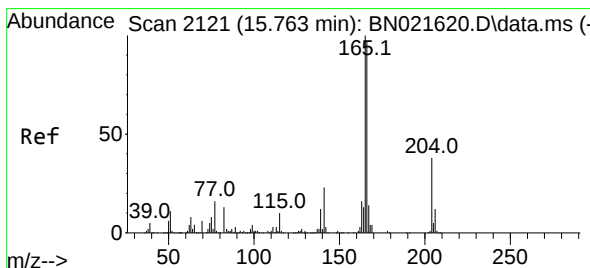
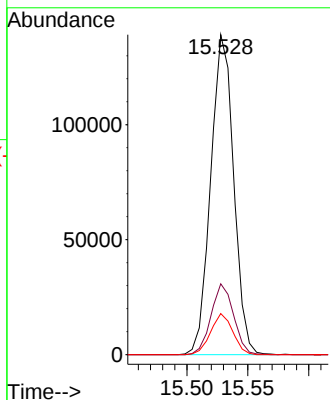
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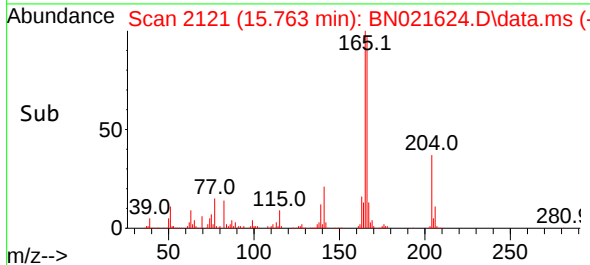
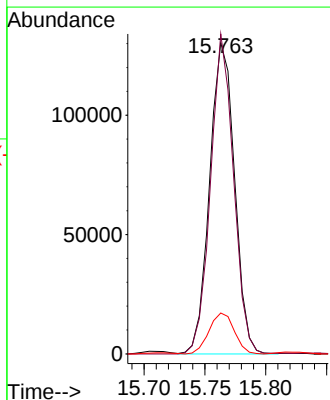
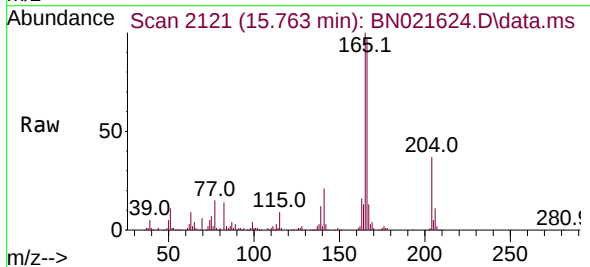
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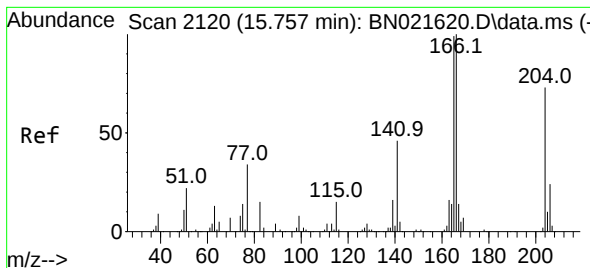
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#61
Fluorene
Concen: 4.302 ng/ul
RT: 15.763 min Scan# 2121
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

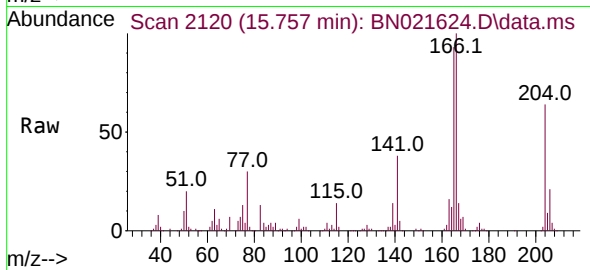
Tgt Ion:166 Resp: 185538
Ion Ratio Lower Upper
166 100
165 102.9 77.7 116.5
167 13.1 11.1 16.7





#62
4-Chlorophenyl-phenylether
Concen: 4.302 ng/ul
RT: 15.757 min Scan# 2120
Delta R.T. 0.000 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2022-04



Tgt Ion:204 Resp: 85524
Ion Ratio Lower Upper
204 100
206 33.0 26.7 40.1
141 60.1 50.2 75.2

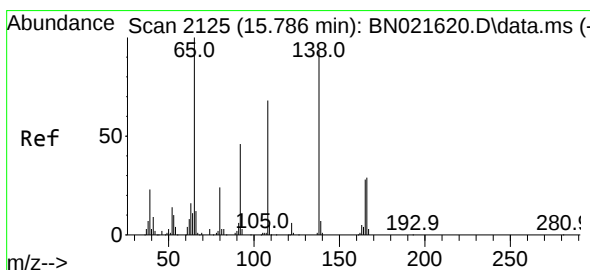
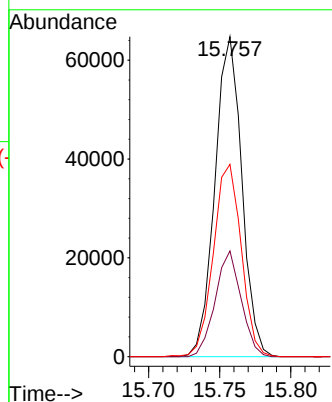
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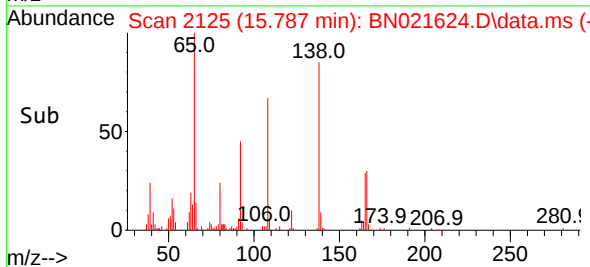
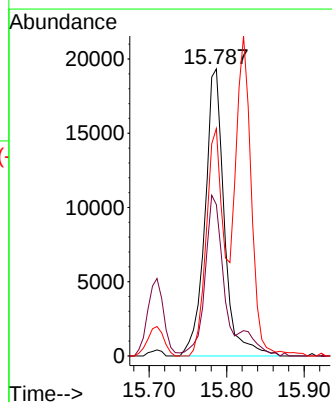
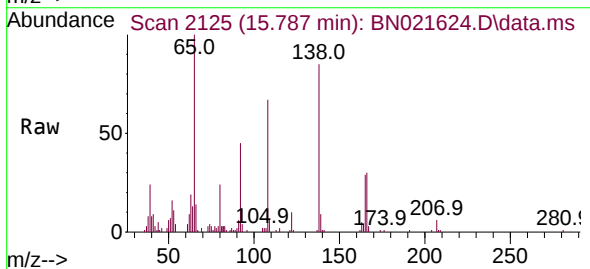
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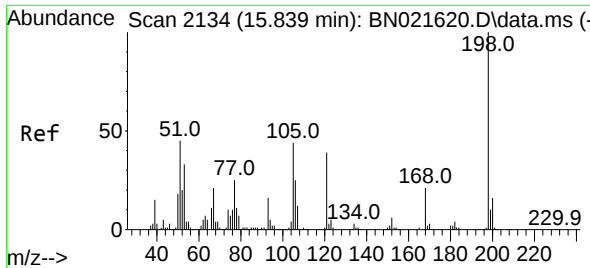
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#63
4-Nitroaniline
Concen: 3.907 ng/ul
RT: 15.787 min Scan# 2125
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

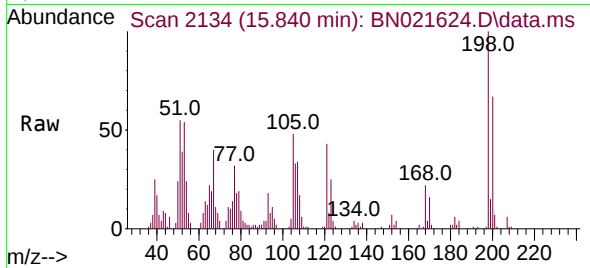
Tgt Ion:138 Resp: 33548
Ion Ratio Lower Upper
138 100
92 52.7 41.0 61.6
108 79.2 65.3 97.9





#66
4,6-Dinitro-2-methylphenol
Concen: 5.028 ng/ul
RT: 15.840 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2022-04



Tgt Ion:198 Resp: 28370
Ion Ratio Lower Upper
198 100
182 5.7 3.0 4.4
77 32.0 20.1 30.1

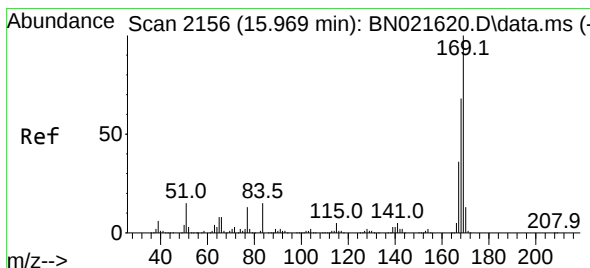
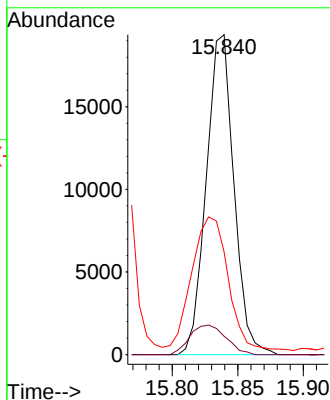
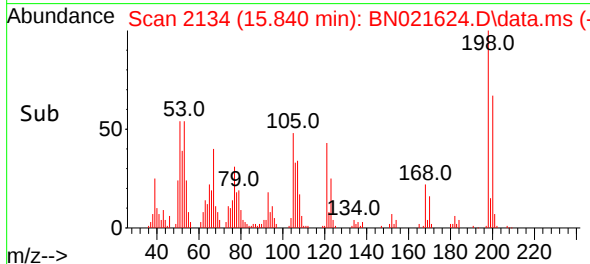
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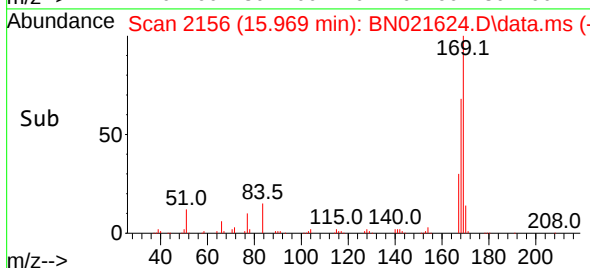
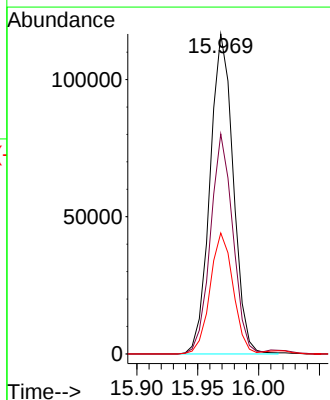
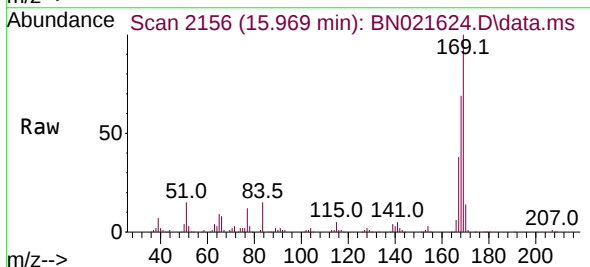
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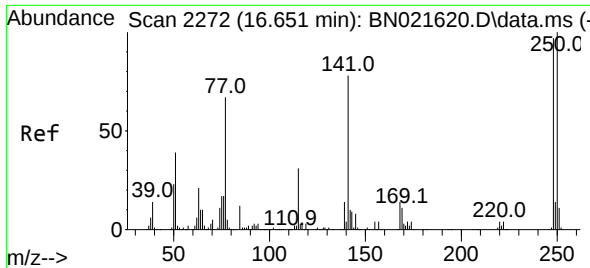
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#67
N-Nitrosodiphenylamine
Concen: 4.162 ng/ul
RT: 15.969 min Scan# 2156
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

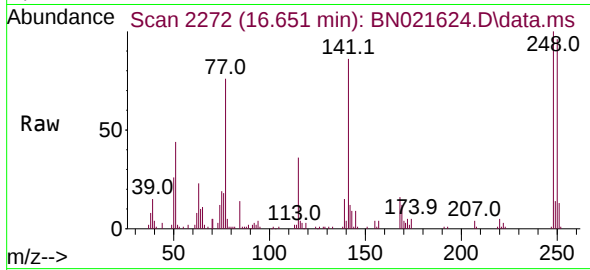
Tgt Ion:169 Resp: 155312
Ion Ratio Lower Upper
169 100
168 68.7 52.4 78.6
167 37.8 27.5 41.3





#68
4-Bromophenyl-phenylether
Concen: 4.113 ng/ul
RT: 16.651 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2022-04



Tgt Ion:248 Resp: 48704
Ion Ratio Lower Upper
248 100
250 95.9 77.8 116.8
141 85.5 62.6 93.8

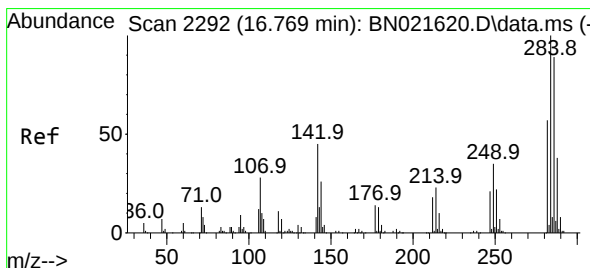
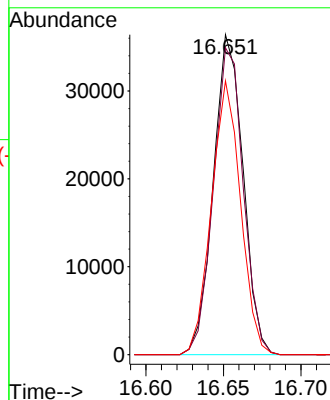
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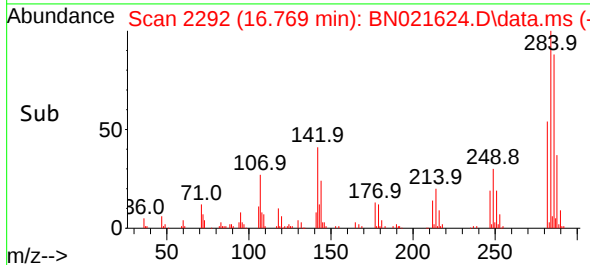
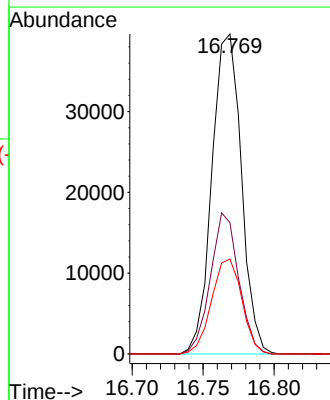
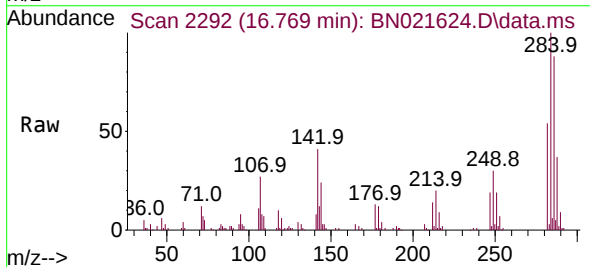
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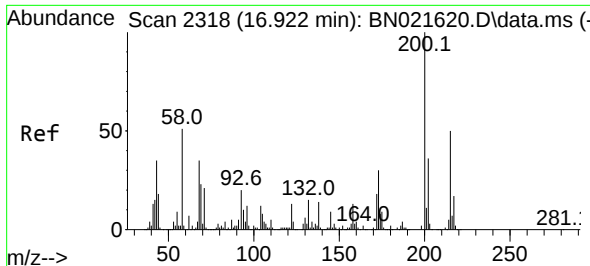
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#69
Hexachlorobenzene
Concen: 4.053 ng/ul
RT: 16.769 min Scan# 2292
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

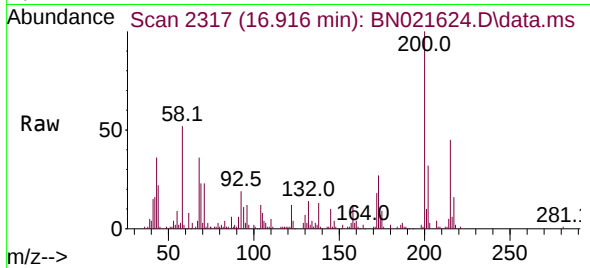
Tgt Ion:284 Resp: 57131
Ion Ratio Lower Upper
284 100
142 41.0 27.8 41.8
249 29.6 25.7 38.5





#70
Atrazine
Concen: 3.981 ng/ul
RT: 16.916 min Scan# 2317
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2022-04



Tgt Ion:200 Resp: 52574
Ion Ratio Lower Upper
200 100
173 27.5 20.5 30.7
215 45.5 38.9 58.3

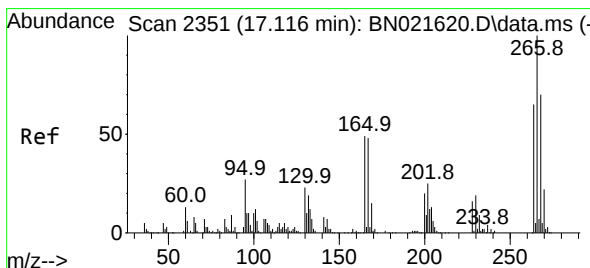
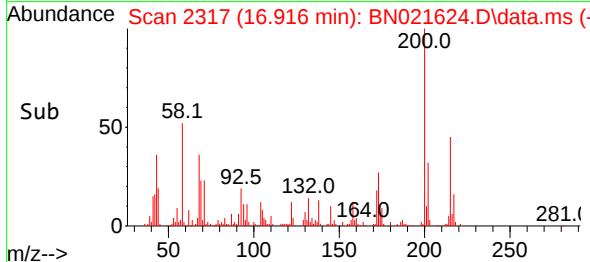
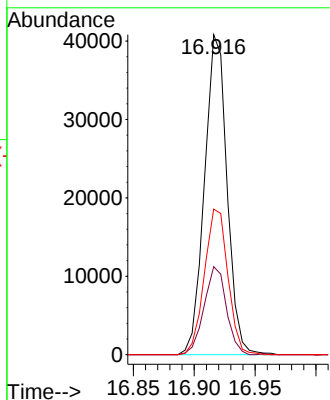
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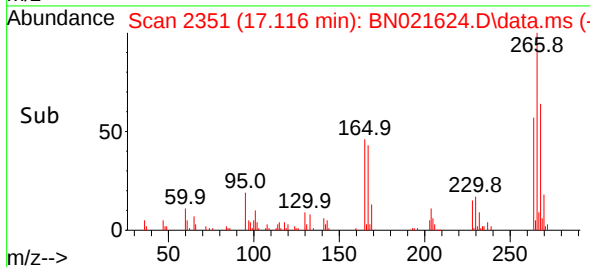
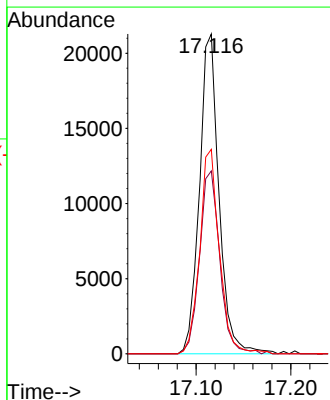
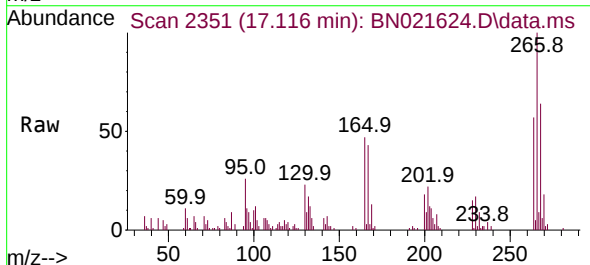
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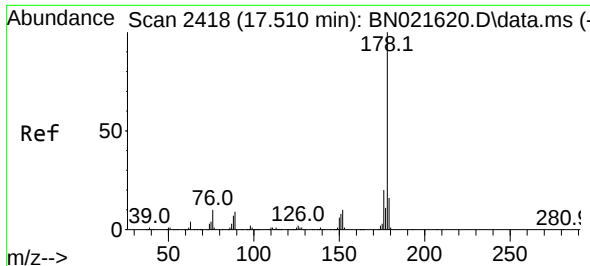
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#71
Pentachlorophenol
Concen: 3.905 ng/ul
RT: 17.116 min Scan# 2351
Delta R.T. 0.000 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

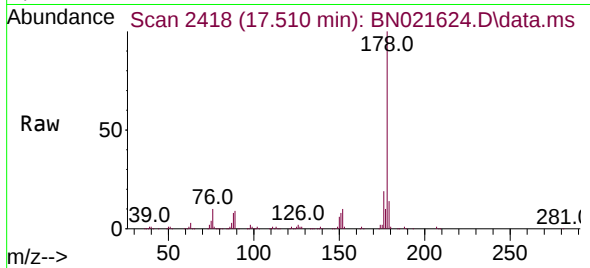
Tgt Ion:266 Resp: 30646
Ion Ratio Lower Upper
266 100
264 57.2 50.2 75.2
268 63.9 49.3 73.9





#72
Phenanthrene
Concen: 4.210 ng/ul
RT: 17.510 min Scan# 2418
Delta R.T. 0.000 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2022-04



Tgt Ion:178 Resp: 296108
Ion Ratio Lower Upper
178 100
179 14.3 12.2 18.4
176 18.5 15.2 22.8

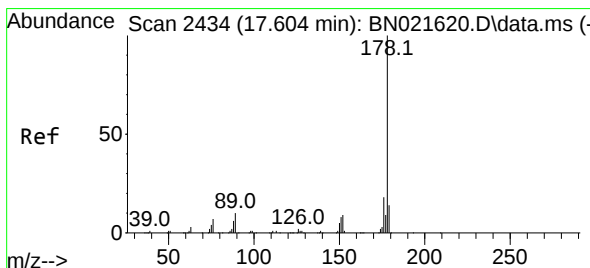
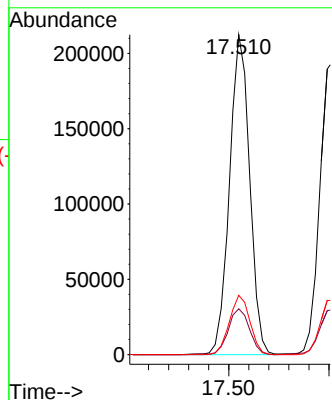
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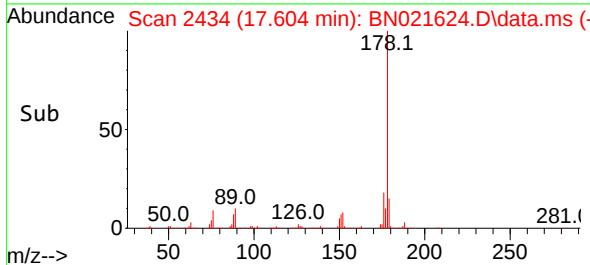
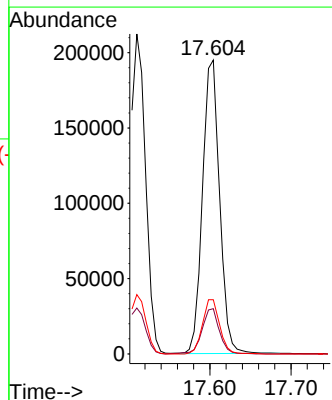
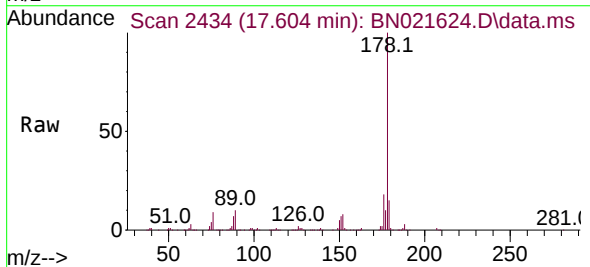
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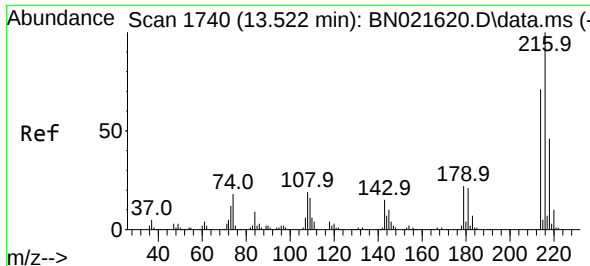
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#74
Anthracene
Concen: 4.079 ng/ul
RT: 17.604 min Scan# 2434
Delta R.T. 0.000 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

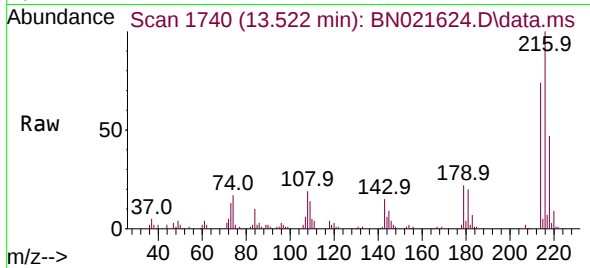
Tgt Ion:178 Resp: 285672
Ion Ratio Lower Upper
178 100
179 15.4 13.0 19.4
176 18.4 15.5 23.3





#75
1,2,3,4-Tetrachlorobenzene
Concen: 4.230 ng/uL
RT: 13.522 min Scan# 1740
Delta R.T. 0.000 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2022-04



Tgt Ion:216 Resp: 71686
Ion Ratio Lower Upper
216 100
214 73.6 63.2 94.8
218 46.5 37.9 56.9

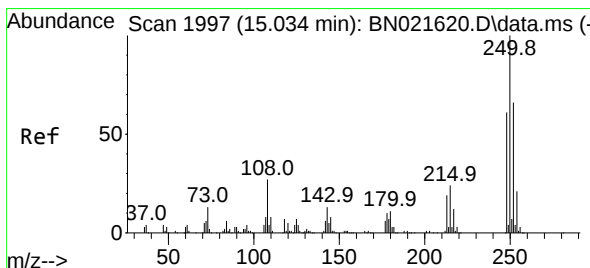
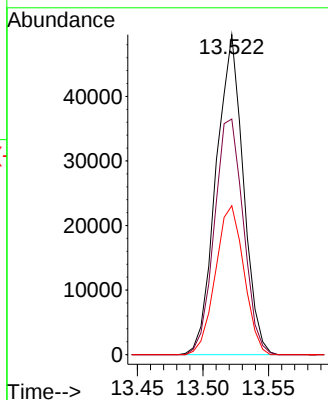
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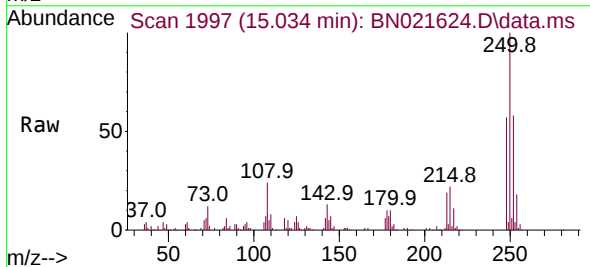
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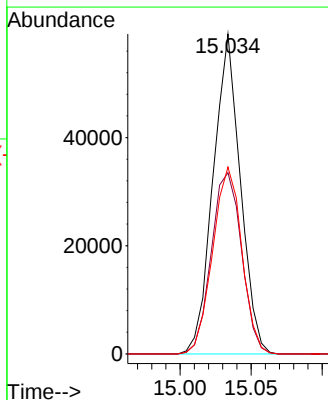
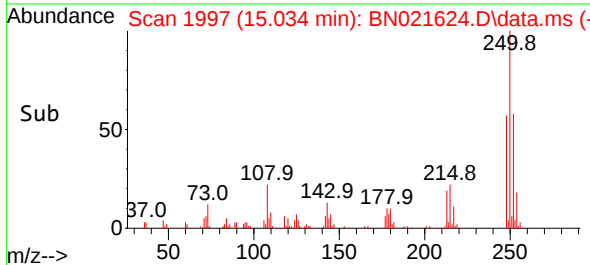
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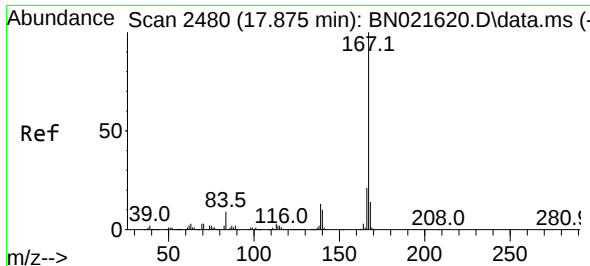


#76
Pentachlorobenzene
Concen: 4.878 ng/uL
RT: 15.034 min Scan# 1997
Delta R.T. 0.000 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04



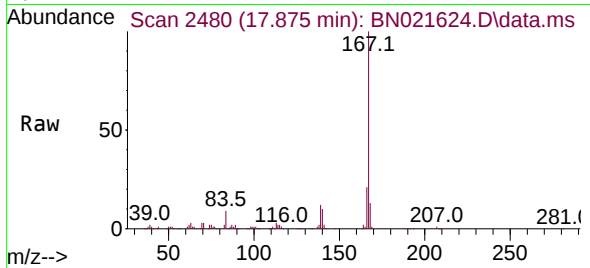
Tgt Ion:250 Resp: 78749
Ion Ratio Lower Upper
250 100
248 56.6 53.0 79.4
252 58.4 53.4 80.2





#77
 Carbazole
 Concen: 3.863 ng/ul
 RT: 17.875 min Scan# 2480
 Delta R.T. 0.000 min
 Lab File: BN021624.D
 Acq: 07 Sep 2022 13:04

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT2-2022-04



Tgt Ion:167 Resp: 255657
 Ion Ratio Lower Upper
 167 100
 166 21.4 16.1 24.1
 139 12.5 10.2 15.2

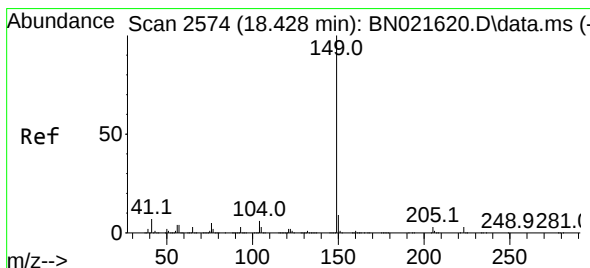
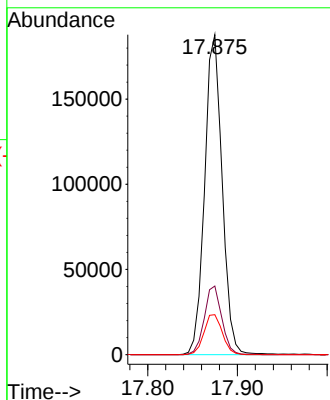
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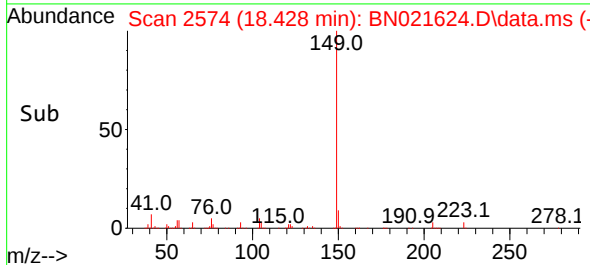
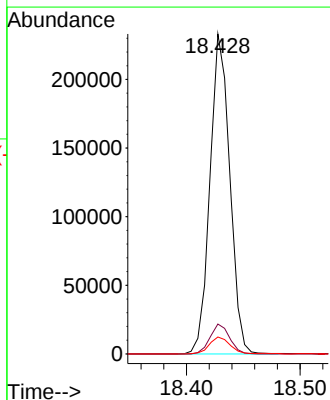
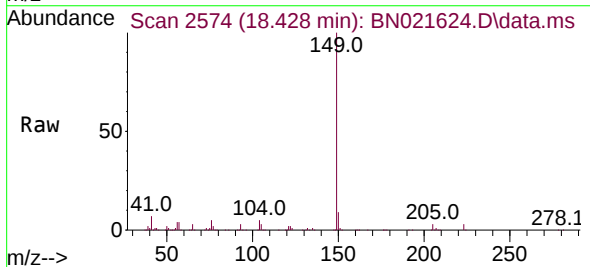
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 ahmed

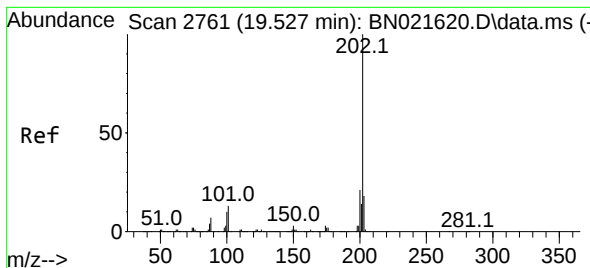
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#78
 Di-n-butylphthalate
 Concen: 3.789 ng/ul
 RT: 18.428 min Scan# 2574
 Delta R.T. -0.006 min
 Lab File: BN021624.D
 Acq: 07 Sep 2022 13:04

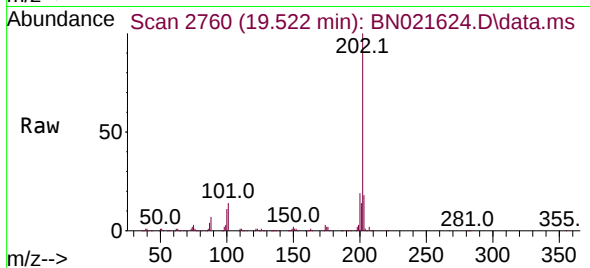
Tgt Ion:149 Resp: 282757
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.1 10.7
 104 5.3 4.1 6.1





#80
Fluoranthene
Concen: 4.936 ng/ul
RT: 19.522 min Scan# 2761
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2022-04



Tgt Ion:202 Resp: 326058
Ion Ratio Lower Upper
202 100
101 13.6 8.9 13.3
100 10.5 6.7 10.1

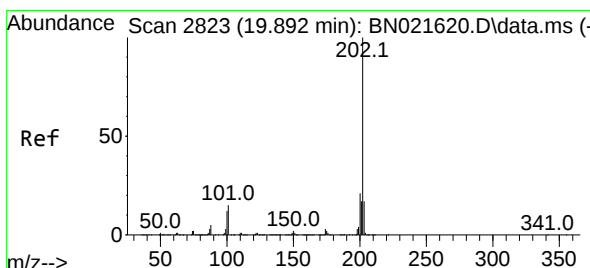
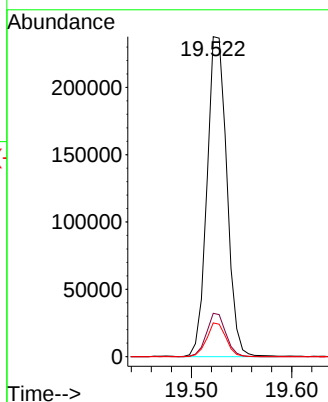
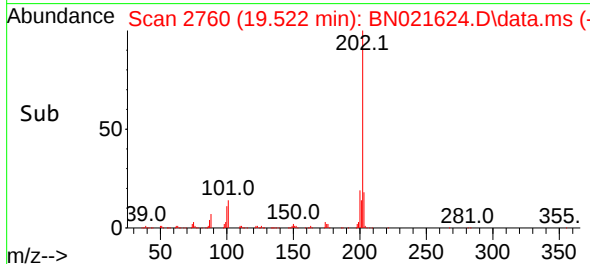
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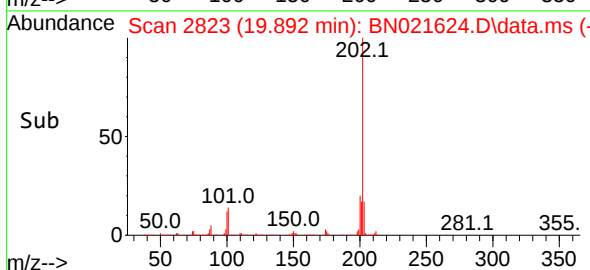
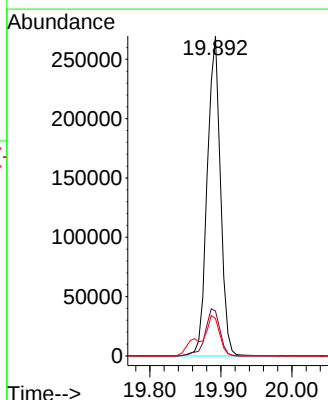
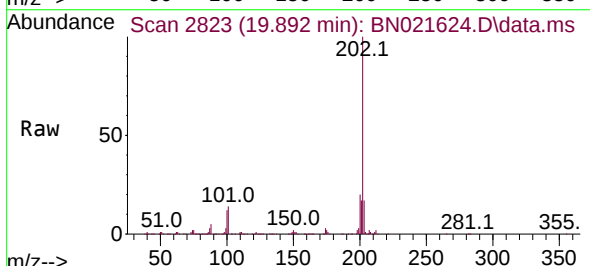
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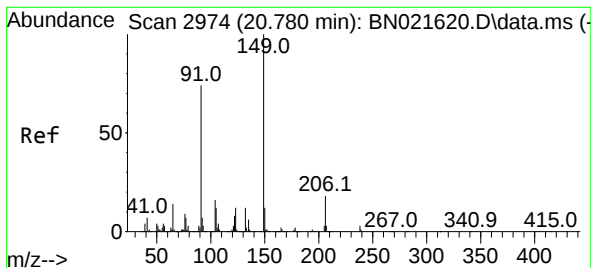
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#82
Pyrene
Concen: 5.039 ng/ul
RT: 19.892 min Scan# 2823
Delta R.T. 0.000 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Tgt Ion:202 Resp: 346906
Ion Ratio Lower Upper
202 100
101 14.0 9.7 14.5
100 11.7 8.0 12.0





#83

Butylbenzylphthalate

Concen: 4.346 ng/ul

RT: 20.780 min Scan# 2974

Delta R.T. 0.000 min

Lab File: BN021624.D

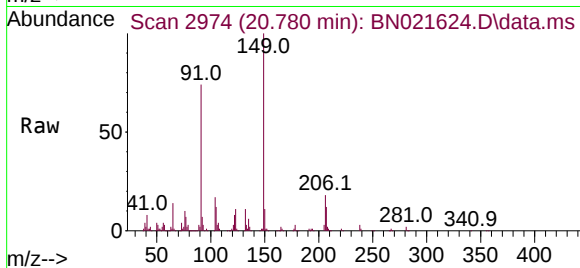
Acq: 07 Sep 2022 13:04

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-QT2-2022-04



Tgt Ion	Ratio	Lower	Upper
149	100		
91	74.2	58.8	88.2
206	17.9	18.1	27.1

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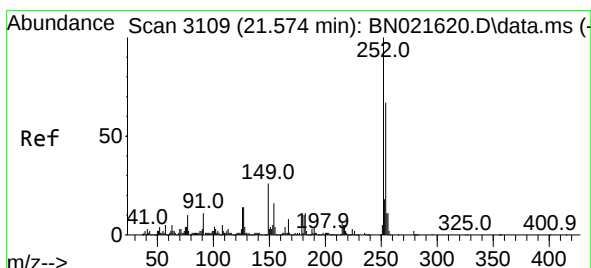
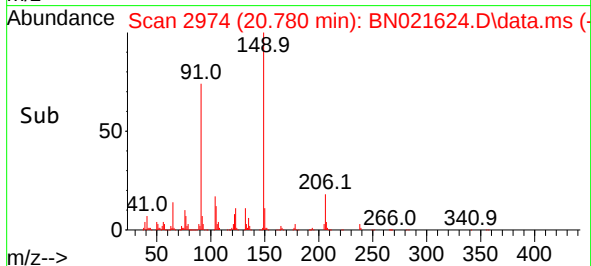
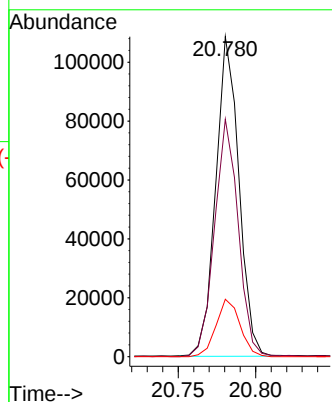
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#84

3,3'-Dichlorobenzidine

Concen: 5.677 ng/ul

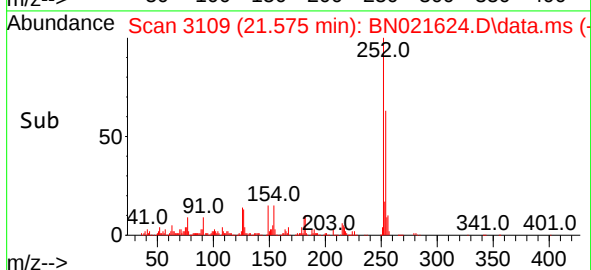
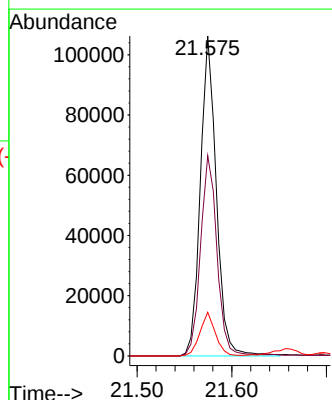
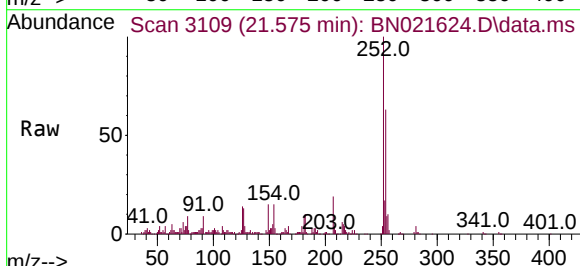
RT: 21.575 min Scan# 3109

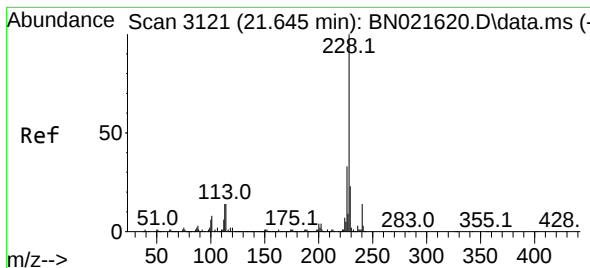
Delta R.T. 0.000 min

Lab File: BN021624.D

Acq: 07 Sep 2022 13:04

Tgt Ion	Ratio	Lower	Upper
252	100		
254	62.6	50.8	76.2
126	13.6	8.2	12.4





#85

Benzo(a)anthracene

Concen: 4.408 ng/ul

RT: 21.645 min Scan# 3121

Delta R.T. 0.000 min

Lab File: BN021624.D

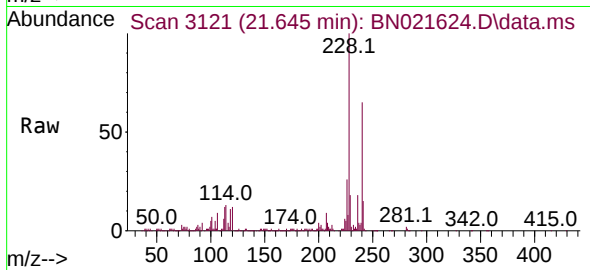
Acq: 07 Sep 2022 13:04

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-QT2-2022-04



Tgt Ion:228 Resp: 305608

Ion	Ratio	Lower	Upper
228	100		
229	18.4	16.3	24.5
226	25.6	23.2	34.8

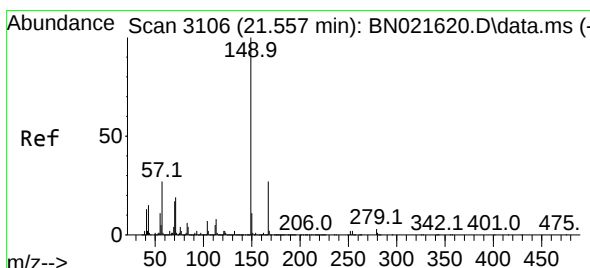
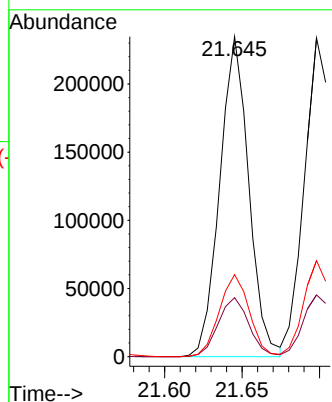
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ahmed

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#86

Bis(2-ethylhexyl)phthalate

Concen: 4.075 ng/ul

RT: 21.557 min Scan# 3106

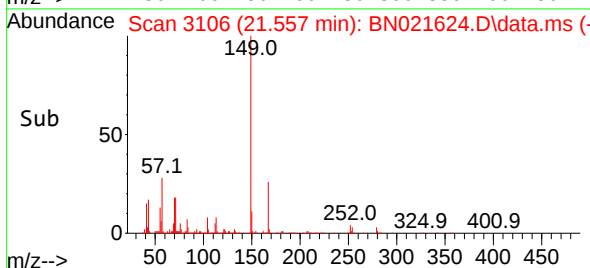
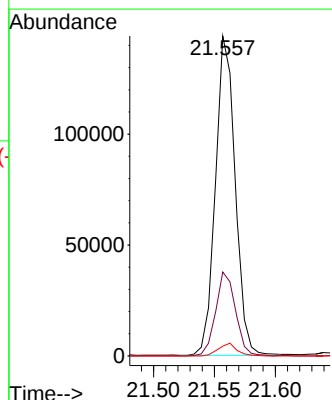
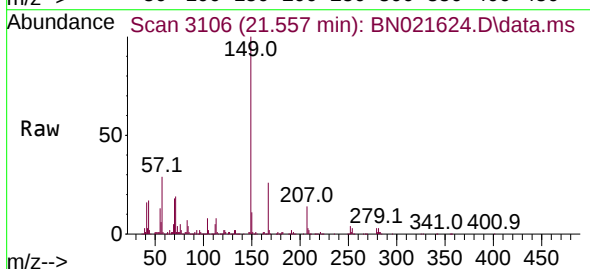
Delta R.T. 0.000 min

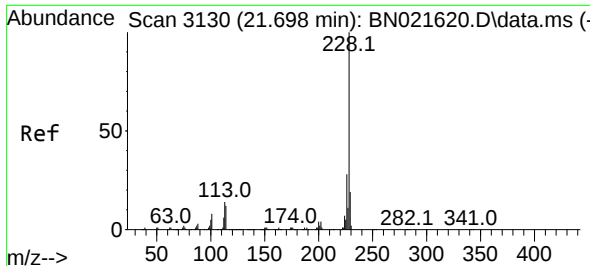
Lab File: BN021624.D

Acq: 07 Sep 2022 13:04

Tgt Ion:149 Resp: 162580

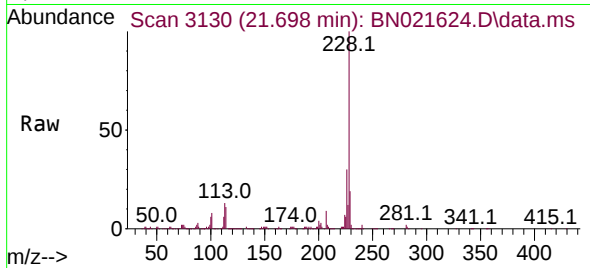
Ion	Ratio	Lower	Upper
149	100		
167	26.2	22.5	33.7
279	3.0	3.5	5.3





#87
Chrysene
Concen: 4.366 ng/ul
RT: 21.698 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2022-04



Tgt Ion:228 Resp: 293083
Ion Ratio Lower Upper
228 100
226 30.1 24.2 36.2
229 19.4 16.2 24.2

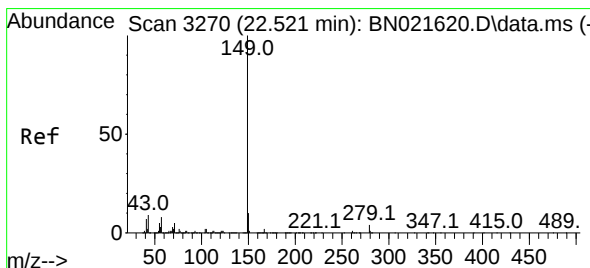
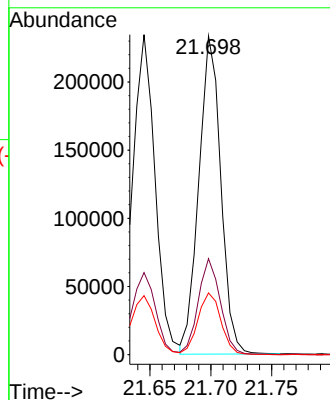
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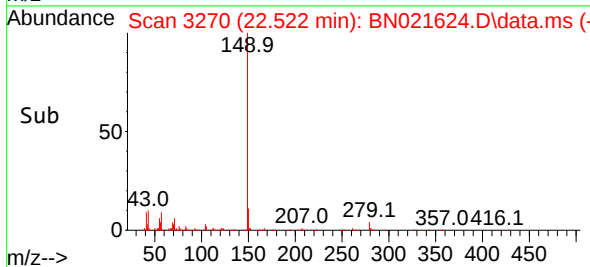
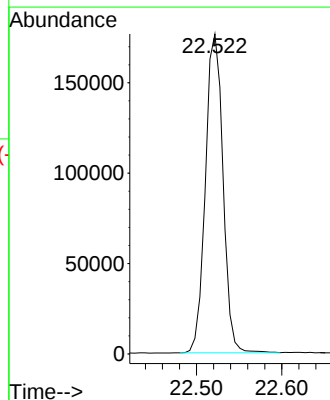
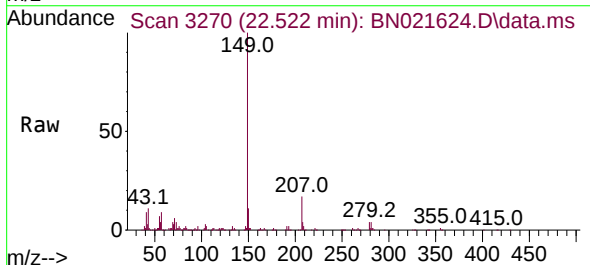
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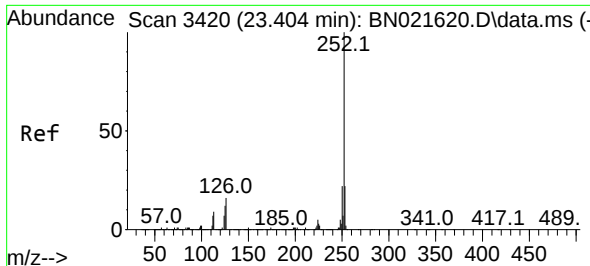
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#89
Di-n-octyl phthalate
Concen: 4.006 ng/ul
RT: 22.522 min Scan# 3270
Delta R.T. 0.000 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

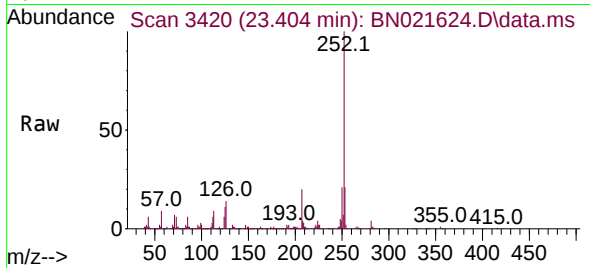
Tgt Ion:149 Resp: 252453





#90
Benzo(b)fluoranthene
Concen: 4.502 ng/ul
RT: 23.404 min Scan# 3420
Delta R.T. -0.006 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Instrument : BNA_N
ClientSampleId : MDL-SOIL-QT2-2022-04



Tgt Ion:252 Resp: 294637
Ion Ratio Lower Upper
252 100
253 20.6 16.5 24.7
125 11.4 7.8 11.8

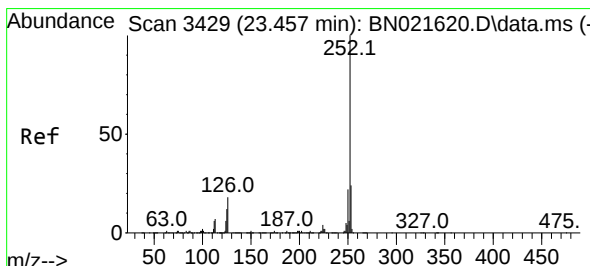
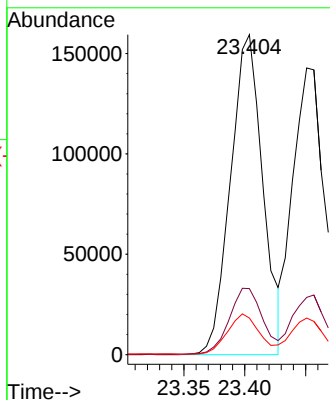
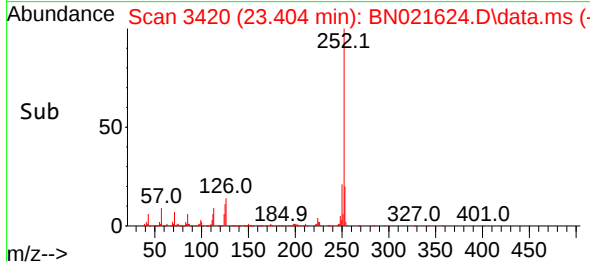
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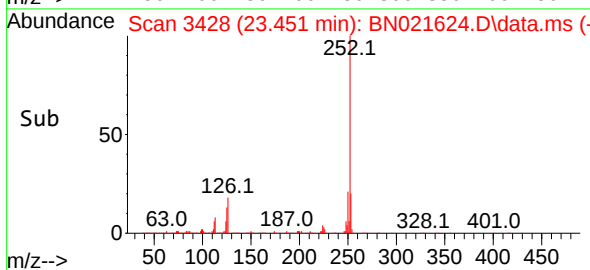
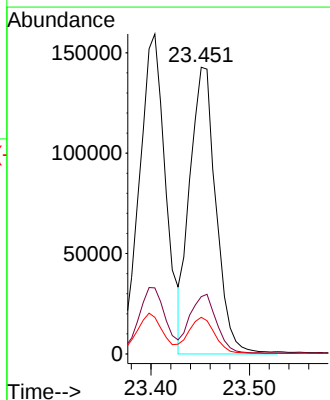
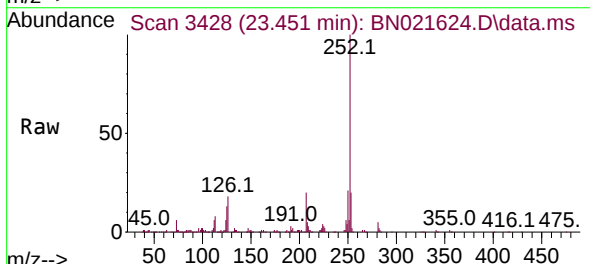
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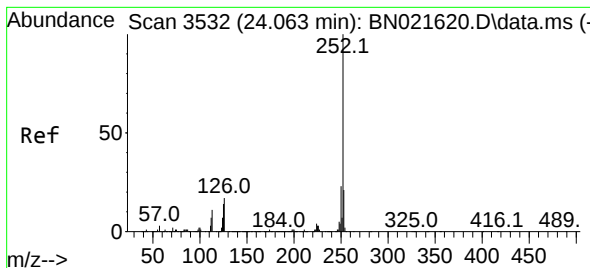
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#91
Benzo(k)fluoranthene
Concen: 4.513 ng/ul m
RT: 23.451 min Scan# 3428
Delta R.T. 0.000 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Tgt Ion:252 Resp: 264215
Ion Ratio Lower Upper
252 100
253 19.9 18.2 27.4
125 12.8 8.2 12.4





#93

Benzo(a)pyrene

Concen: 4.314 ng/ul

RT: 24.069 min Scan# 3532

Delta R.T. 0.000 min

Lab File: BN021624.D

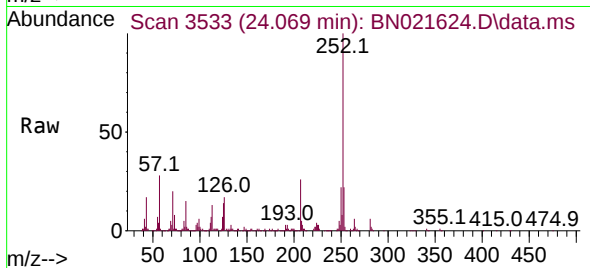
Acq: 07 Sep 2022 13:04

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-QT2-2022-04



Tgt Ion: 252 Resp: 270134

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.7	28.1
125	14.0	9.2	13.8

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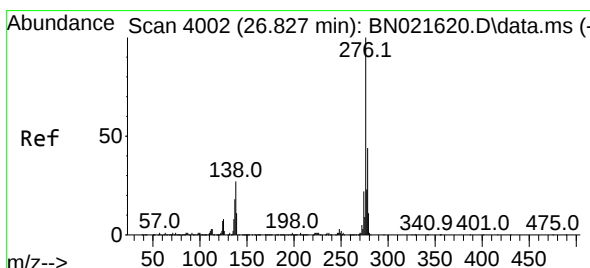
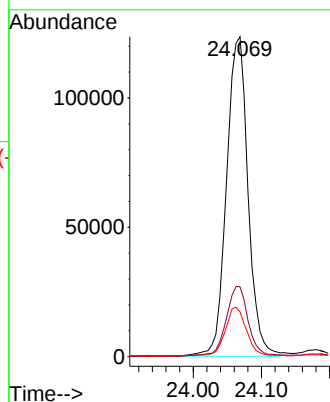
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#94

Indeno(1,2,3-cd)pyrene

Concen: 3.245 ng/ul

RT: 26.827 min Scan# 4002

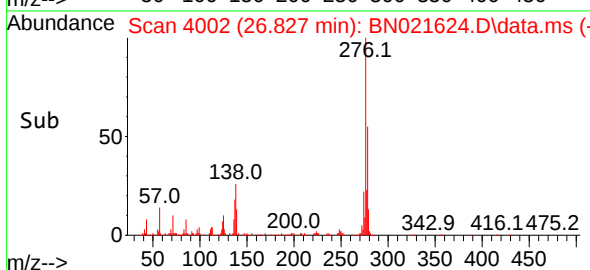
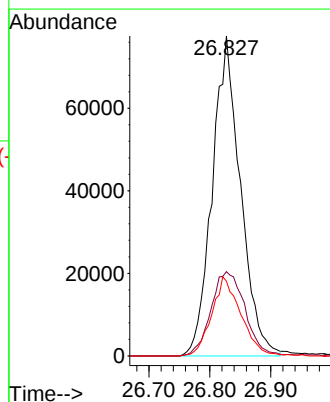
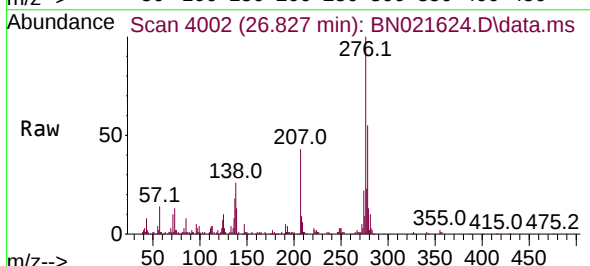
Delta R.T. -0.012 min

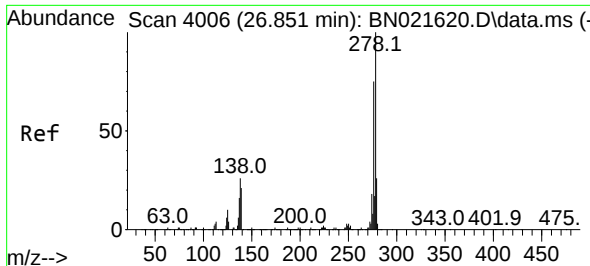
Lab File: BN021624.D

Acq: 07 Sep 2022 13:04

Tgt Ion: 276 Resp: 249461

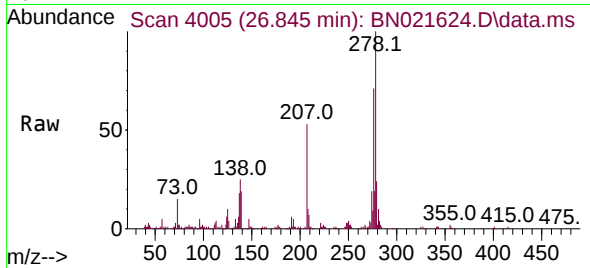
Ion	Ratio	Lower	Upper
276	100		
138	26.3	19.5	29.3
277	23.3	21.4	32.0





#95
Dibenzo(a,h)anthracene
Concen: 3.207 ng/ul
RT: 26.845 min Scan# 4006
Delta R.T. -0.012 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2022-04



Tgt Ion:278 Resp: 208063
Ion Ratio Lower Upper
278 100
139 19.0 13.8 20.8
279 23.8 18.3 27.5

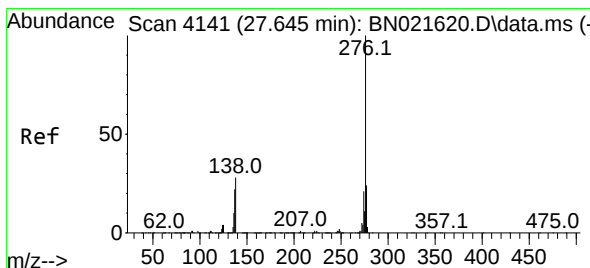
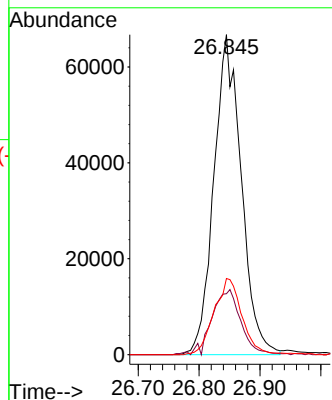
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ahmed

09/08/2022



#96
Benzo(g,h,i)perylene
Concen: 3.007 ng/ul
RT: 27.639 min Scan# 4140
Delta R.T. -0.012 min
Lab File: BN021624.D
Acq: 07 Sep 2022 13:04

Tgt Ion:276 Resp: 201737
Ion Ratio Lower Upper
276 100
138 24.5 17.0 25.6
277 21.7 17.8 26.6

