

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081621\
 Data File : BN015886.D
 Acq On : 16 Aug 2021 19:58
 Operator : CG/JU
 Sample : M2250-05
 Misc : SFAM-MDL-ME-SOIL-01
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MED-SOIL-QT3-2021-05

Manual Integrations
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Quant Time: Aug 17 01:03:16 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN081621MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 16 16:09:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	290140	20.000	ng/u1	0.00
20) Naphthalene-d8	10.710	136	1183005	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.551	164	754321	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.298	188	1593537	20.000	ng/u1	0.00
79) Chrysene-d12	21.486	240	1586391	20.000	ng/u1	0.00
88) Perylene-d12	23.904	264	1519270	20.000	ng/u1	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.334	96	32827	4.407	ng/uL	0.00
4) Pyridine-d5	3.746	84	339236	16.296	ng/u1	0.00
7) Phenol-d5	7.058	99	593927	22.630	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.228	67	382993	23.702	ng/u1	0.00
11) 2-Chlorophenol-d4	7.428	132	457732	24.510	ng/u1	0.00
15) 4-Methylphenol-d8	8.604	113	456777	22.377	ng/u1	0.00
21) Nitrobenzene-d5	9.063	128	212851	24.446	ng/u1	0.00
24) 2-Nitrophenol-d4	9.793	143	220131	27.013	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.322	165	427364	24.235	ng/u1	0.00
31) 4-Chloroaniline-d4	10.846	131	616749	22.977	ng/u1	0.00
46) Dimethylphthalate-d6	13.957	166	1380248	24.967	ng/u1	0.00
49) Acenaphthylene-d8	14.240	160	1735607	25.069	ng/u1	0.00
54) 4-Nitrophenol-d4	14.728	143	210091	21.487	ng/u1	0.00
60) Fluorene-d10	15.539	176	1190726	24.693	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.651	200	177309	20.835	ng/u1	0.00
73) Anthracene-d10	17.398	188	1851415	24.788	ng/u1	0.00
81) Pyrene-d10	19.692	212	2038769	23.860	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.751	264	2172082	26.442	ng/u1	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.369	88	9075	1.185	ng/uL#	80
5) Pyridine	3.769	79	86665	4.038	ng/u1#	85
6) Benzaldehyde	7.040	77	76046	5.631	ng/u1	93
8) Phenol	7.081	94	114307	4.272	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.322	93	91889	4.384	ng/u1	91
12) 2-Chlorophenol	7.463	128	91521	4.768	ng/u1	96
13) 2-Methylphenol	8.340	108	82900	4.230	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.428	45	117950m	4.406	ng/u1	
16) Acetophenone	8.728	105	143964	4.370	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.710	70	72893	4.531	ng/u1	97
18) 4-Methylphenol	8.669	108	89683	4.276	ng/u1	95
19) Hexachloroethane	8.987	117	39305	4.509	ng/u1	91
22) Nitrobenzene	9.104	77	114412	4.647	ng/u1#	95
23) Isophorone	9.634	82	181150	4.229	ng/u1	98
25) 2-Nitrophenol	9.822	139	44515	5.009	ng/u1	96
26) 2,4-Dimethylphenol	9.881	107	106733	4.497	ng/u1	94
27) Bis(2-Chloroethoxy)met...	10.122	93	122441	4.654	ng/u1	95
29) 2,4-Dichlorophenol	10.351	162	83361	4.795	ng/u1	92
30) Naphthalene	10.763	128	293455	4.632	ng/u1	99
32) 4-Chloroaniline	10.869	127	120284	4.539	ng/u1	97
33) Hexachlorobutadiene	11.051	225	62342	4.667	ng/u1	91
34) Caprolactam	11.640	113	18796	3.450	ng/u1	88
35) 4-Chloro-3-methylphenol	11.987	107	90837	4.411	ng/u1	92
36) 2-Methylnaphthalene	12.375	142	211016	4.789	ng/u1	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.593	142	209909	4.786	ng/ul#	100
39) 1,2,4,5-Tetrachloroben...	12.745	216	117793	4.827	ng/ul	97
40) Hexachlorocyclopentadiene	12.728	237	70343	4.446	ng/ul	94
41) 2,4,6-Trichlorophenol	12.975	196	59316	4.445	ng/ul	94
42) 2,4,5-Trichlorophenol	13.045	196	63962	4.391	ng/ul	99
43) 1,1'-Biphenyl	13.387	154	265114	4.545	ng/ul	98
44) 2-Chloronaphthalene	13.428	162	208061	4.620	ng/ul	98
45) 2-Nitroaniline	13.622	65	51589	4.042	ng/ul	96
47) Dimethylphthalate	14.004	163	259750	4.740	ng/ul	99
48) 2,6-Dinitrotoluene	14.122	165	40937	4.125	ng/ul	96
50) Acenaphthylene	14.269	152	320289	4.867	ng/ul	99
51) 3-Nitroaniline	14.445	138	42674	3.999	ng/ul#	98
52) Acenaphthene	14.610	153	221143	4.646	ng/ul	98
53) 2,4-Dinitrophenol	14.651	184	24631	4.467	ng/ul	88
55) 4-Nitrophenol	14.745	109	41746	4.363	ng/ul	97
56) Dibenzofuran	14.945	168	316366	4.807	ng/ul	95
57) 2,4-Dinitrotoluene	14.904	165	61456	4.299	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	15.169	232	53572	4.444	ng/ul	99
59) Diethylphthalate	15.369	149	253526	4.627	ng/ul	99
61) Fluorene	15.598	166	252450	4.701	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.592	204	127971	4.570	ng/ul	99
63) 4-Nitroaniline	15.604	138	46495	4.548	ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.669	198	33854	4.000	ng/ul#	98
67) N-Nitrosodiphenylamine	15.804	169	213873	4.598	ng/ul	93
68) 4-Bromophenyl-phenylether	16.486	248	77964	4.559	ng/ul	90
69) Hexachlorobenzene	16.604	284	96359	4.822	ng/ul	98
70) Atrazine	16.751	200	69690	4.131	ng/ul	94
71) Pentachlorophenol	16.945	266	39255	3.502	ng/ul	96
72) Phenanthrene	17.339	178	398799	4.604	ng/ul	100
74) Anthracene	17.433	178	406780	4.599	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.351	216	110461	4.401	ng/ul	98
76) Pentachlorobenzene	14.869	250	110158	4.509	ng/ul	91
77) Carbazole	17.698	167	341990	4.398	ng/ul	98
78) Di-n-butylphthalate	18.275	149	356364	4.031	ng/ul	100
80) Fluoranthene	19.357	202	457760	4.428	ng/ul	99
82) Pyrene	19.722	202	488054	4.536	ng/ul	97
83) Butylbenzylphthalate	20.622	149	140370	3.879	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.404	252	138552	4.265	ng/ul	99
85) Benzo(a)anthracene	21.469	228	458391	4.491	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.404	149	237654	4.141	ng/ul	96
87) Chrysene	21.521	228	458054	4.635	ng/ul	95
89) Di-n-octyl phthalate	22.339	149	356332	3.706	ng/ul	100
90) Benzo(b)fluoranthene	23.163	252	459207	4.597	ng/ul	98
91) Benzo(k)fluoranthene	23.215	252	447078	4.496	ng/ul	99
93) Benzo(a)pyrene	23.798	252	409942	4.534	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.415	276	519200	4.631	ng/ul	98
95) Dibenzo(a,h)anthracene	26.433	278	434998	4.700	ng/ul#	93
96) Benzo(g,h,i)perylene	27.186	276	410624	4.430	ng/ul	99

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

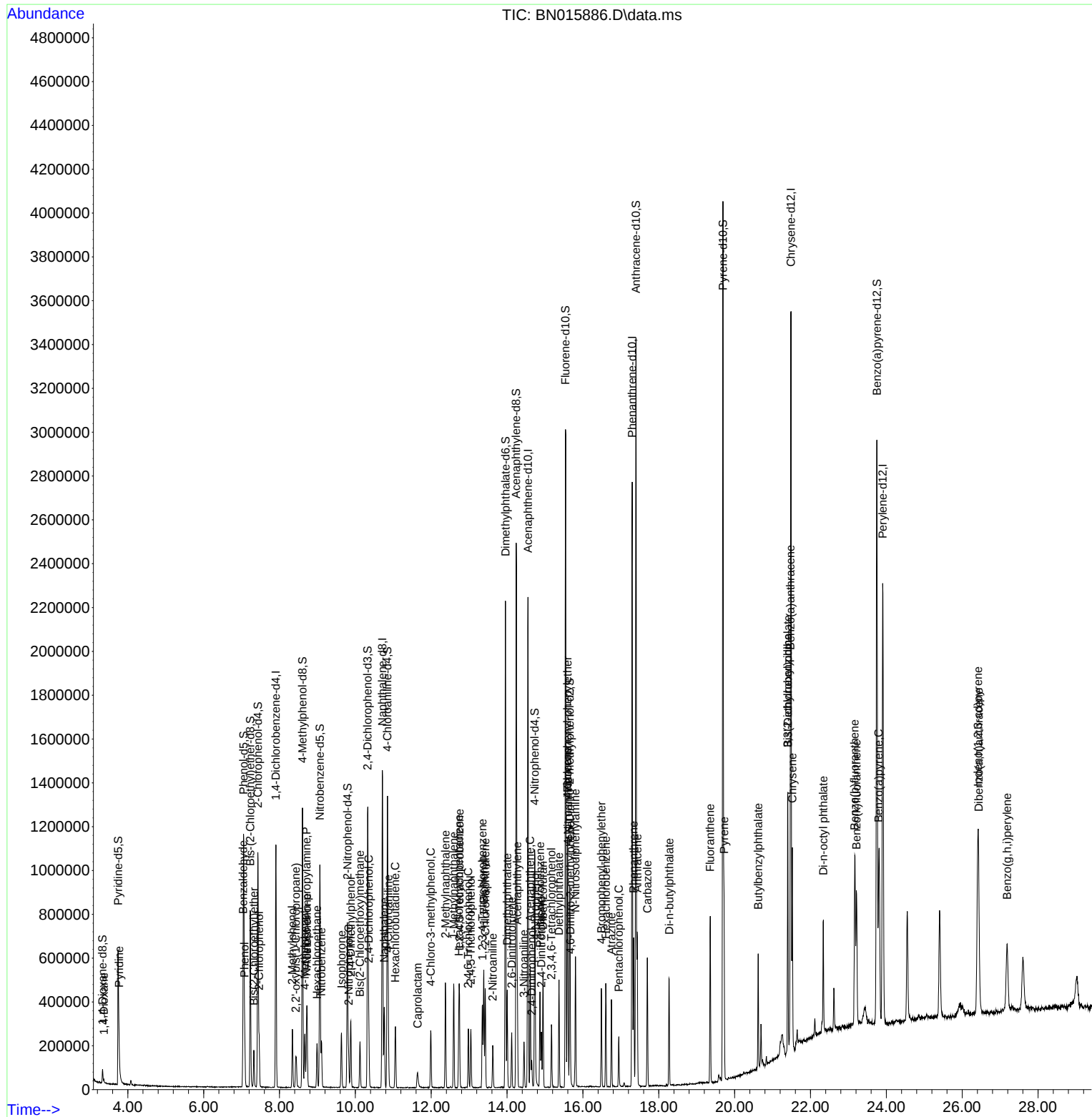
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081621\
 Data File : BN015886.D
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 Operator : CG/JU
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 Misc : SFAM-MDL-ME-SOIL-01
 ALS Vial : 13 Sample Multiplier: 1

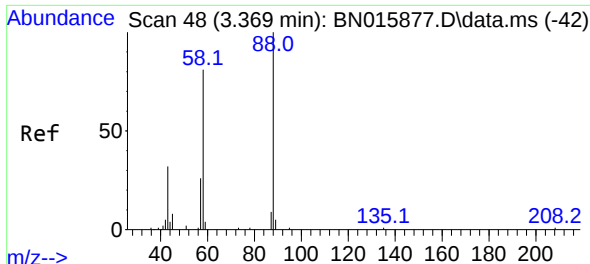
Instrument :
 BNA_N
 ClientSampleId :
 MDL-MED-SOIL-QT3-2021-05

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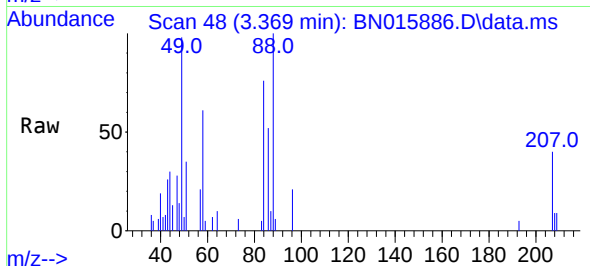
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 Quant Title : SVOA CALIBRATION
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#2
1,4-Dioxane
Concen: 1.185 ng/uL
RT: 3.369 min Scan# 48
Delta R.T. 0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

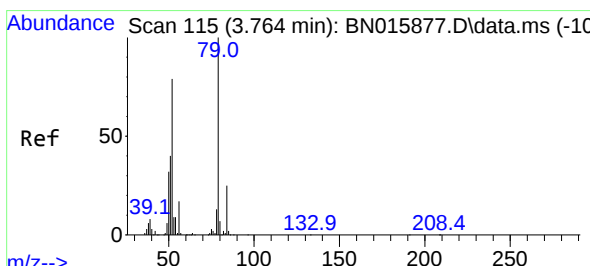
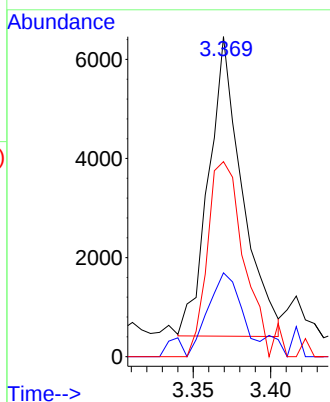
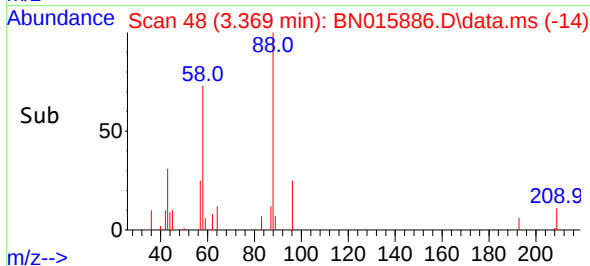
Instrument :
BNA_N
ClientSampleId :
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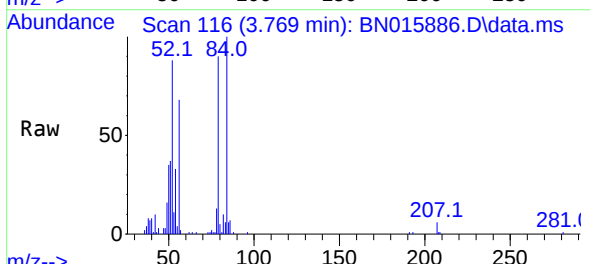
Tgt Ion: 88 Resp: 9075
Ion Ratio Lower Upper
88 100
43 26.2 26.4 39.6#
58 60.9 65.0 97.4#

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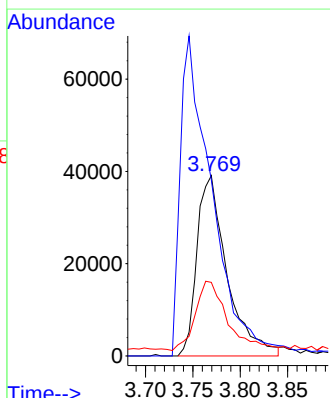
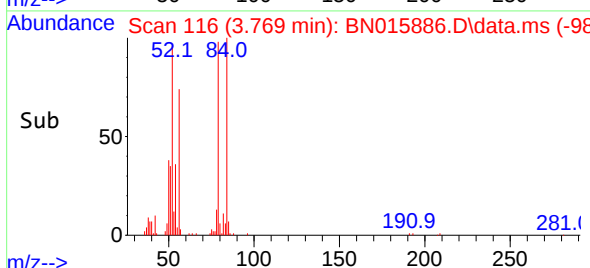
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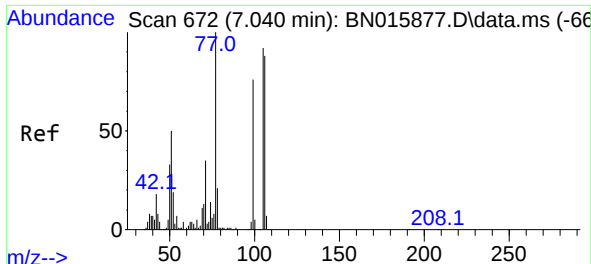


#5
Pyridine
Concen: 4.038 ng/uL
RT: 3.769 min Scan# 116
Delta R.T. 0.006 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58



Tgt Ion: 79 Resp: 86665
Ion Ratio Lower Upper
79 100
52 97.7 62.9 94.3#
51 40.8 32.0 48.0





#6
Benzaldehyde
Concen: 5.631 ng/ul
RT: 7.040 min Scan# 672
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

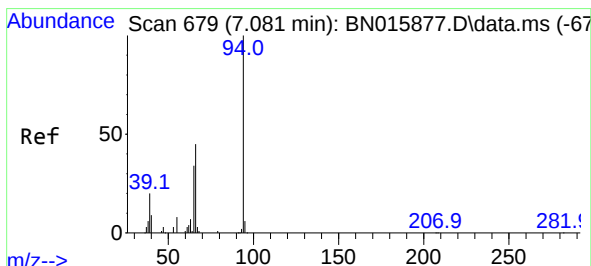
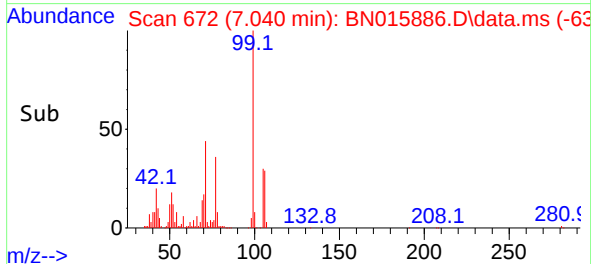
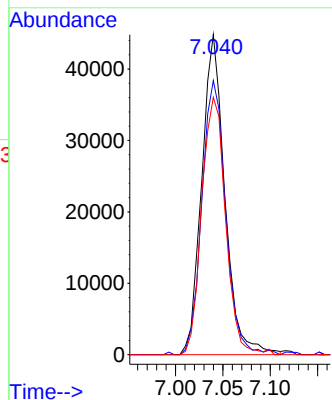
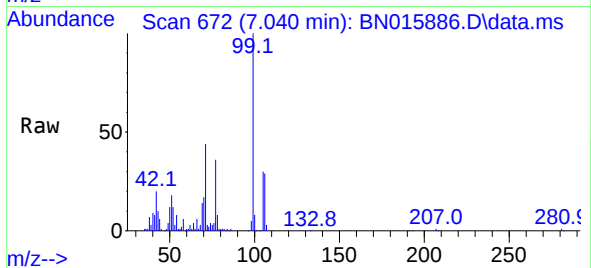
Tgt Ion: 77 Resp: 76046

Ion	Ratio	Lower	Upper
77	100		
105	85.6	73.4	110.0
106	80.4	70.3	105.5

Instrument :
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ClientSampleId :
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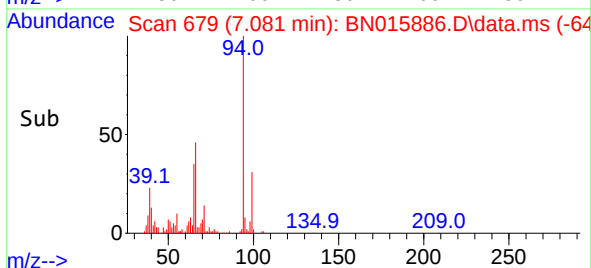
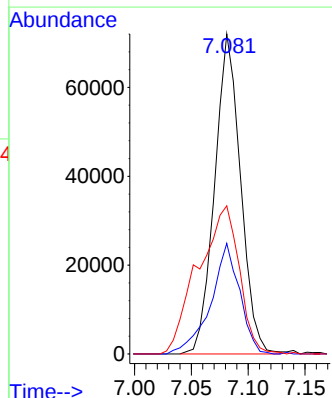
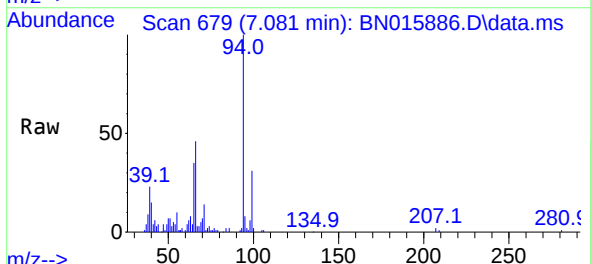
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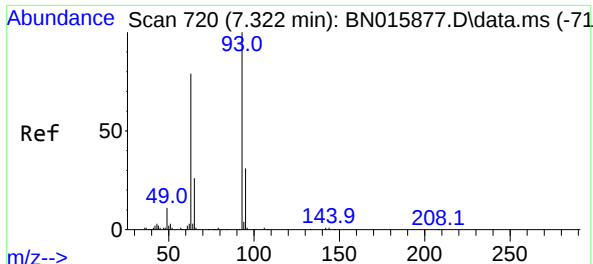


#8
Phenol
Concen: 4.272 ng/ul
RT: 7.081 min Scan# 679
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

Tgt Ion: 94 Resp: 114307

Ion	Ratio	Lower	Upper
94	100		
65	34.6	27.0	40.6
66	46.3	37.8	56.8





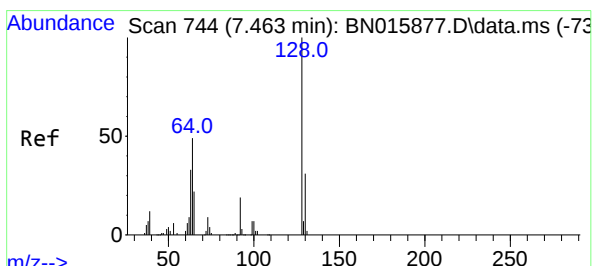
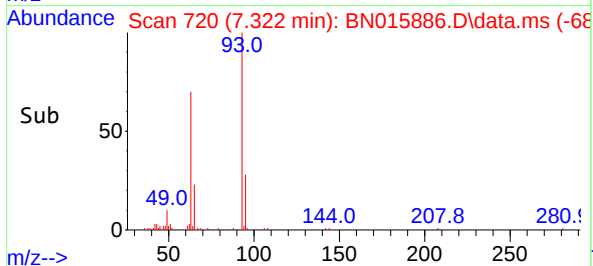
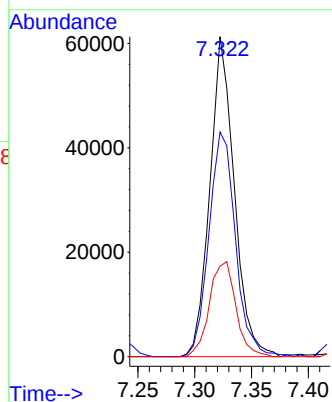
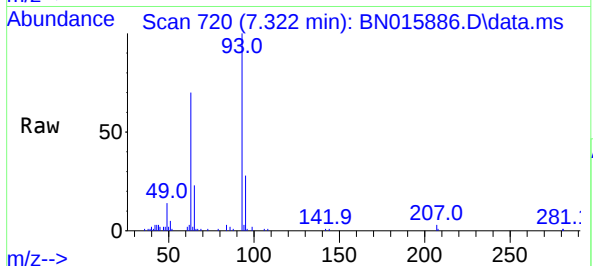
#10
Bis(2-Chloroethyl)ether
Concen: 4.384 ng/ul
RT: 7.322 min Scan# 720
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

Tgt Ion:	93	Resp:	91889
Ion	Ratio	Lower	Upper
93	100		
63	70.2	63.4	95.0
95	28.3	25.2	37.8

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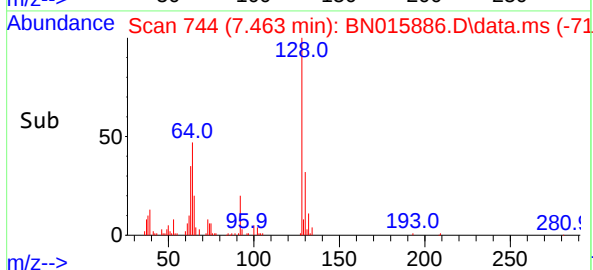
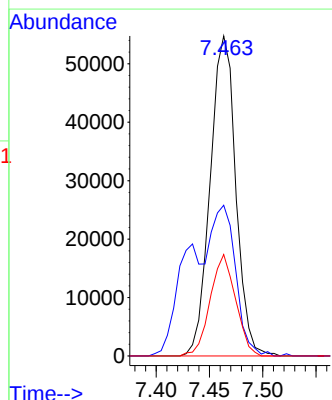
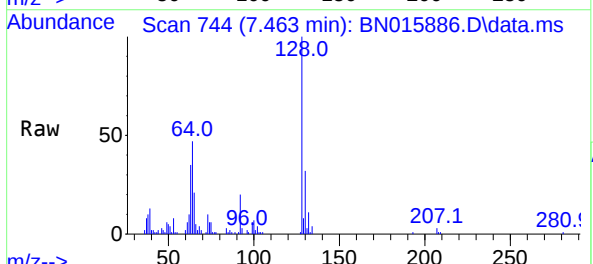
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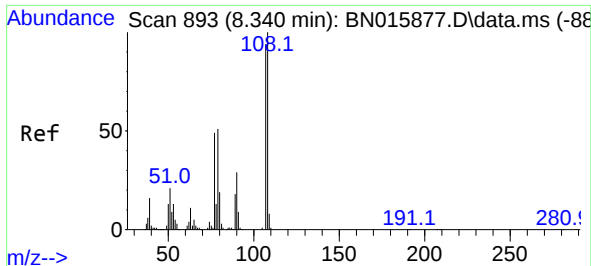
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#12
2-Chlorophenol
Concen: 4.768 ng/ul
RT: 7.463 min Scan# 744
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

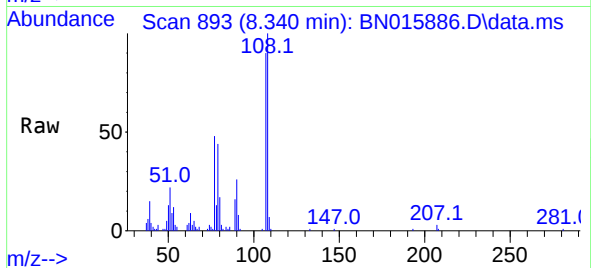
Tgt Ion:	128	Resp:	91521
Ion	Ratio	Lower	Upper
128	100		
64	47.1	41.4	62.2
130	31.7	25.2	37.8





#13
2-Methylphenol
Concen: 4.230 ng/ul
RT: 8.340 min Scan# 893
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

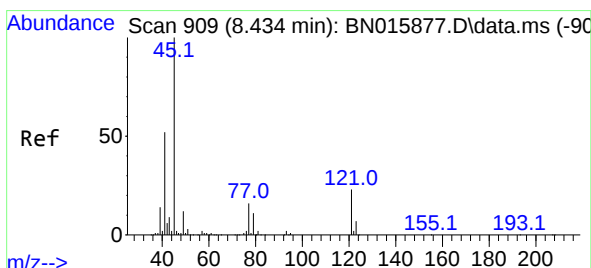
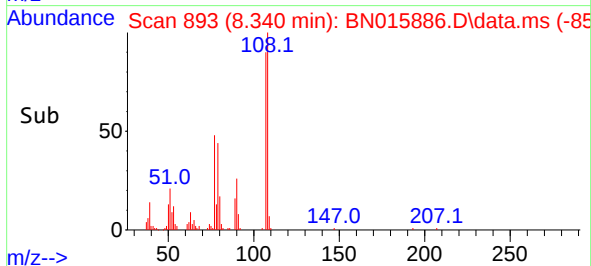
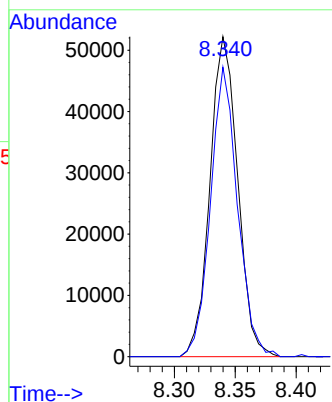
Instrument :
BNA_N
ClientSampleId :
MDL-MED-SOIL-QT3-2021-05



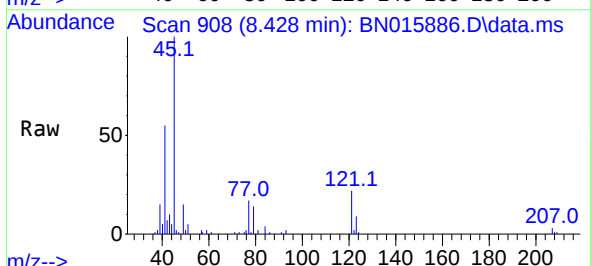
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Ion Ratio Lower Upper
108 100
107 90.4 74.9 112.3

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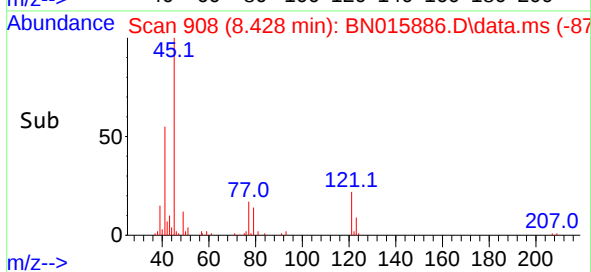
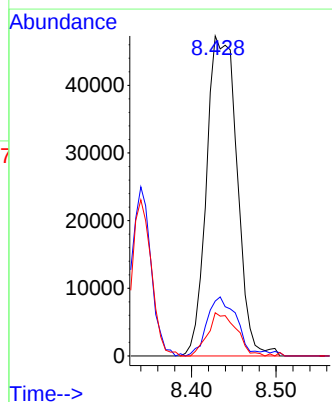
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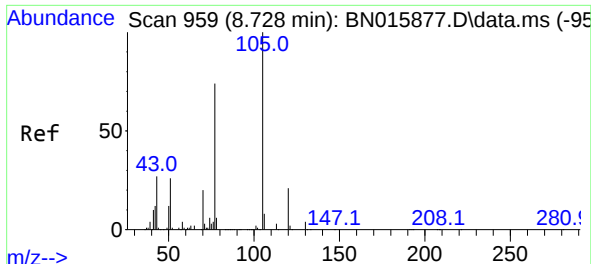


#14
2,2'-oxybis(1-Chloropropane)
Concen: 4.406 ng/ul m
RT: 8.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58



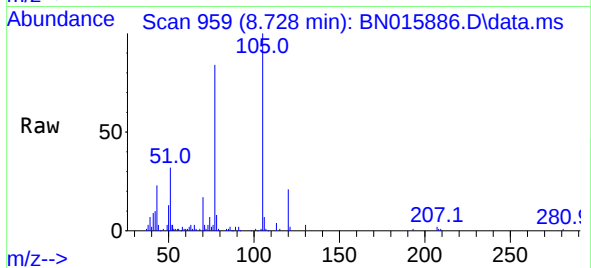
Tgt Ion: 45 Resp: 117950
Ion Ratio Lower Upper
45 100
77 17.2 13.2 19.8
79 13.5 8.7 13.1#





#16
Acetophenone
Concen: 4.370 ng/ul
RT: 8.728 min Scan# 959
Delta R.T. -0.000 min
Lab File: BN015886.D
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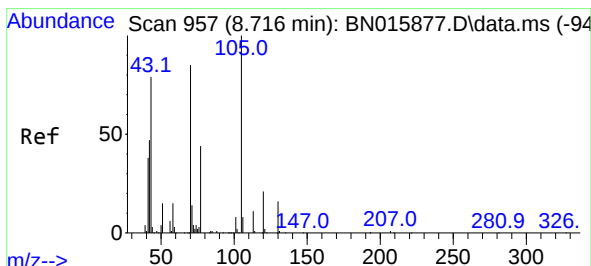
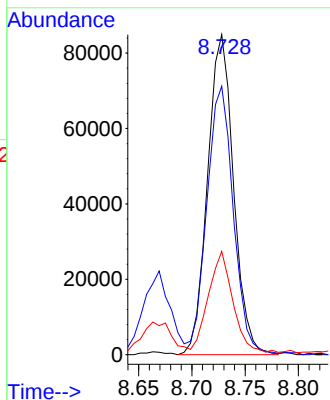
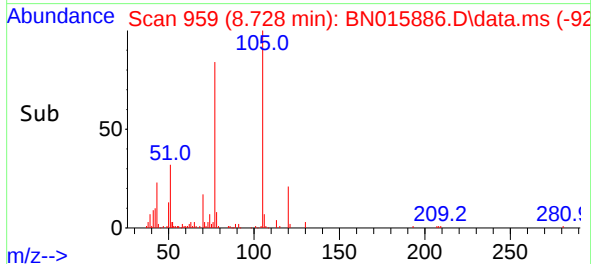
Instrument :
BNA_N
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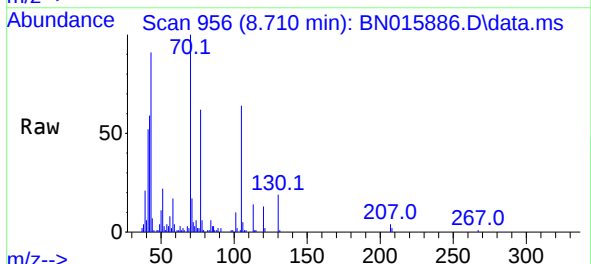
Tgt Ion: 105 Resp: 143964
Ion Ratio Lower Upper
105 100
77 83.9 66.3 99.5
51 32.3 23.7 35.5

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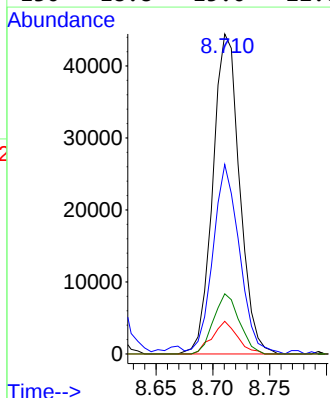
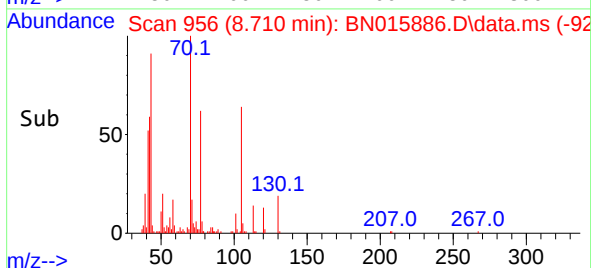
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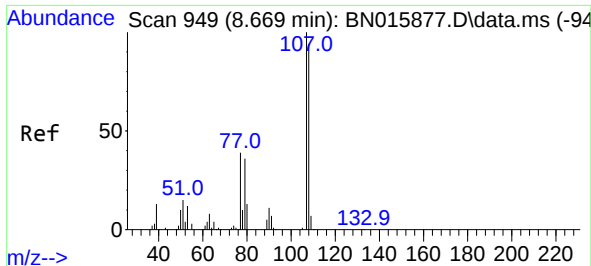


#17
N-Nitroso-di-n-propylamine
Concen: 4.531 ng/ul
RT: 8.710 min Scan# 956
Delta R.T. -0.006 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58



Tgt Ion: 70 Resp: 72893
Ion Ratio Lower Upper
70 100
42 59.2 45.3 67.9
101 10.2 7.6 11.4
130 18.8 15.0 22.6





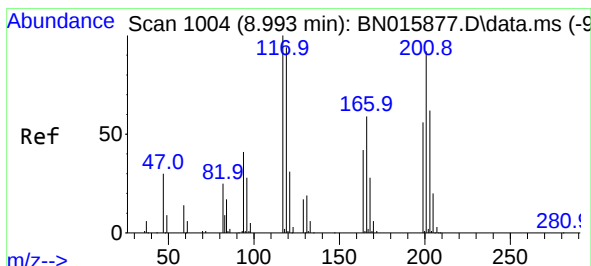
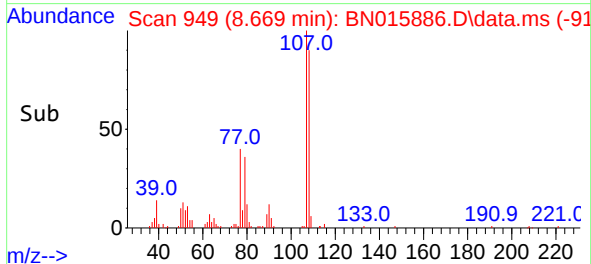
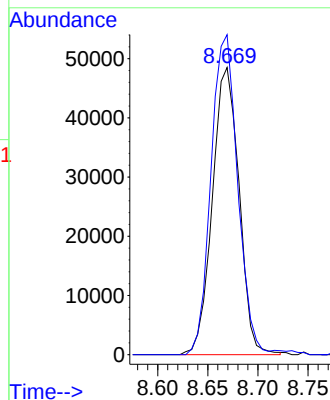
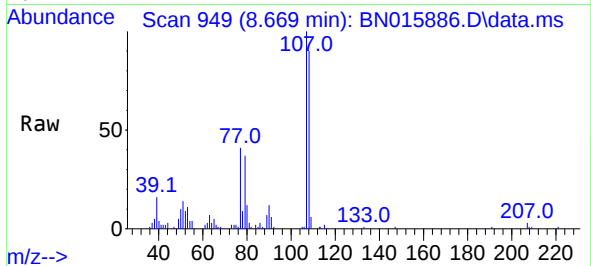
#18
4-Methylphenol
Concen: 4.276 ng/ul
RT: 8.669 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

Tgt Ion:108 Resp: 89683
Ion Ratio Lower Upper
108 100
107 111.4 85.3 127.9

Instrument :
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ClientSampleId :
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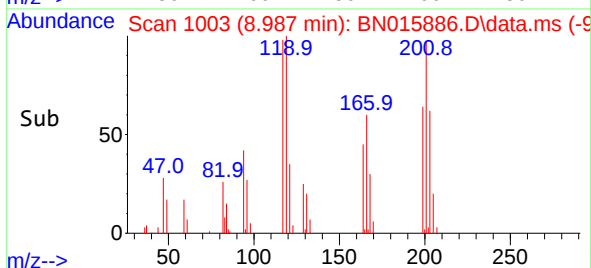
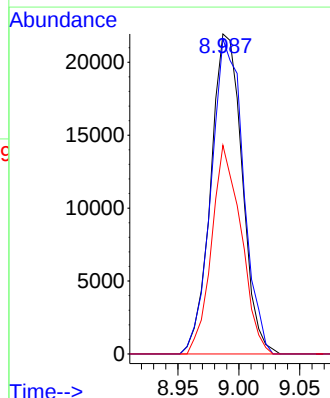
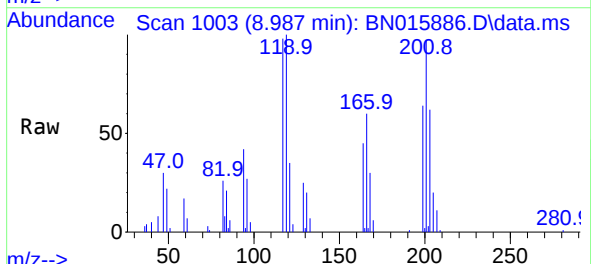
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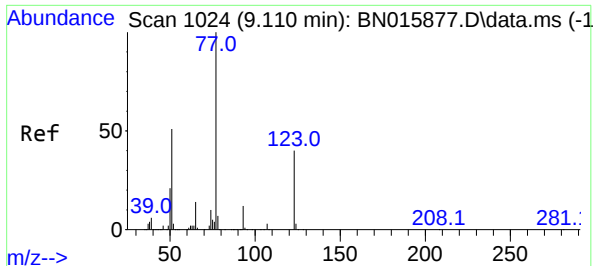
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#19
Hexachloroethane
Concen: 4.509 ng/ul
RT: 8.987 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

Tgt Ion:117 Resp: 39305
Ion Ratio Lower Upper
117 100
201 98.4 74.0 111.0
199 65.2 45.0 67.4





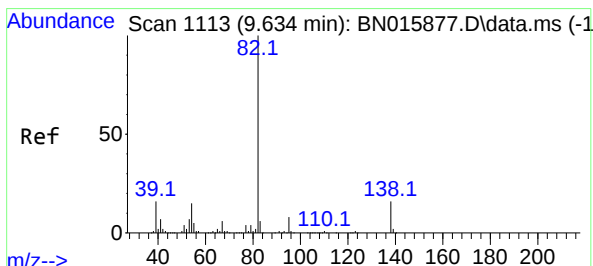
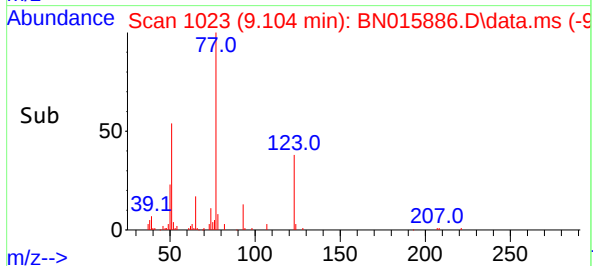
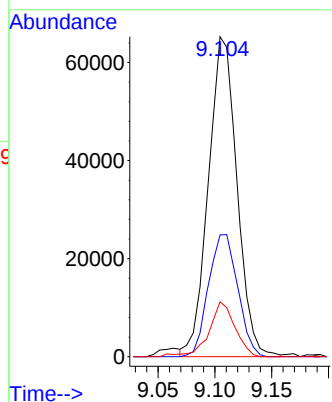
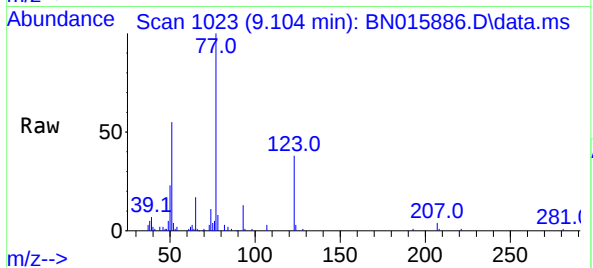
#22
Nitrobenzene
Concen: 4.647 ng/ul
RT: 9.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

Tgt Ion: 77 Resp: 114412
Ion Ratio Lower Upper
77 100
123 38.1 32.2 48.4
65 17.2 10.9 16.3#

Instrument :
BNA_N
ClientSampleId :
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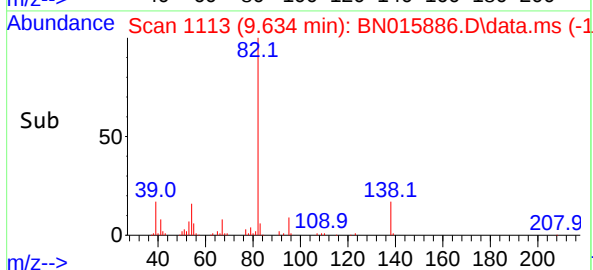
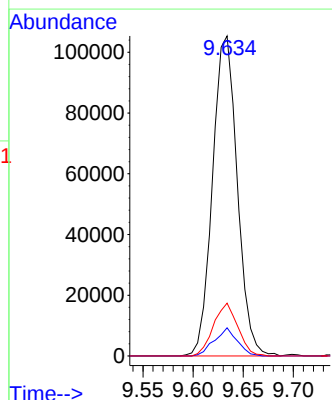
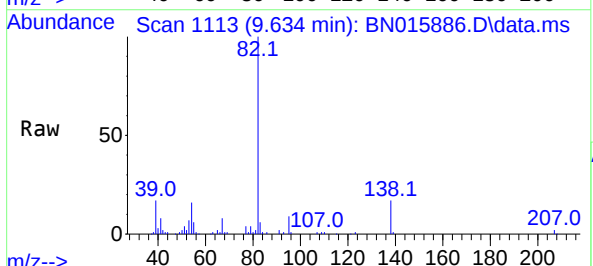
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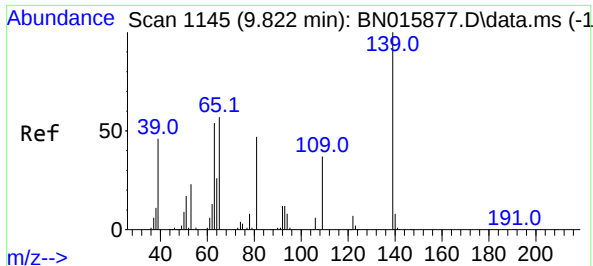
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#23
Isophorone
Concen: 4.229 ng/ul
RT: 9.634 min Scan# 1113
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

Tgt Ion: 82 Resp: 181150
Ion Ratio Lower Upper
82 100
95 8.8 6.1 9.1
138 16.5 13.0 19.4





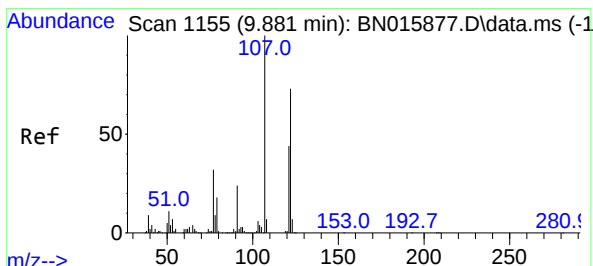
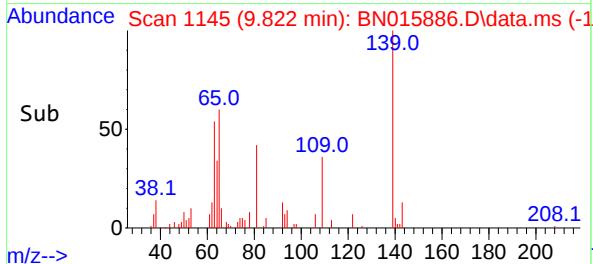
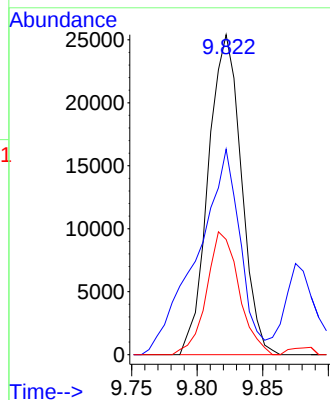
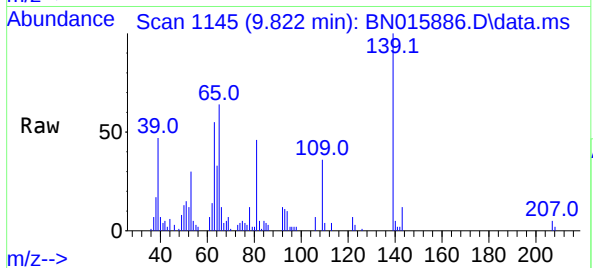
#25
2-Nitrophenol
Concen: 5.009 ng/ul
RT: 9.822 min Scan# 1145
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

Tgt Ion:	139	Resp:	44515
Ion Ratio	Lower	Upper	
139	100		
65	64.2	48.1	72.1
109	36.0	29.7	44.5

Instrument :
BNA_N
ClientSampleId :
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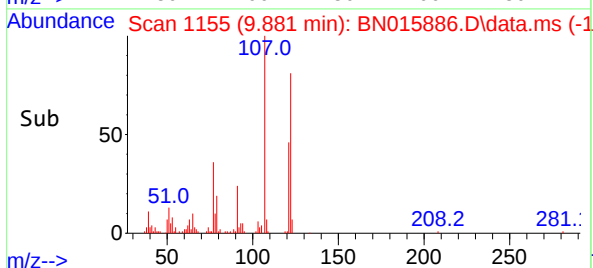
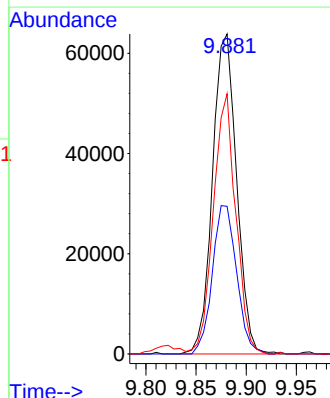
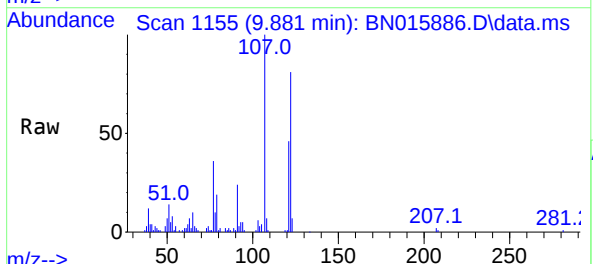
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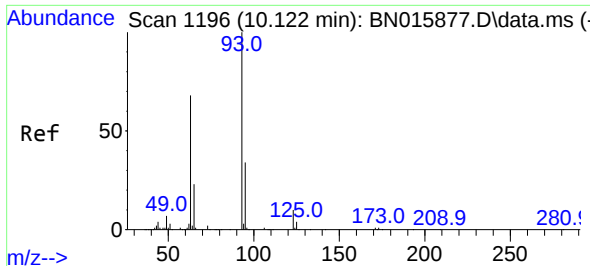
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#26
2,4-Dimethylphenol
Concen: 4.497 ng/ul
RT: 9.881 min Scan# 1155
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

Tgt Ion:	107	Resp:	106733
Ion Ratio	Lower	Upper	
107	100		
121	46.2	35.3	52.9
122	81.3	59.4	89.0





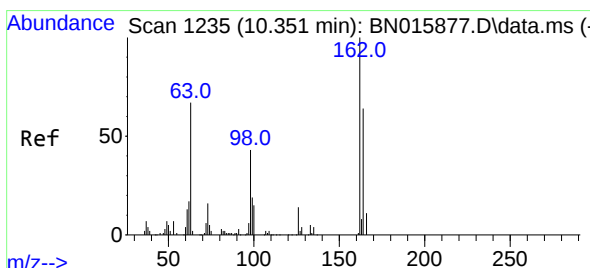
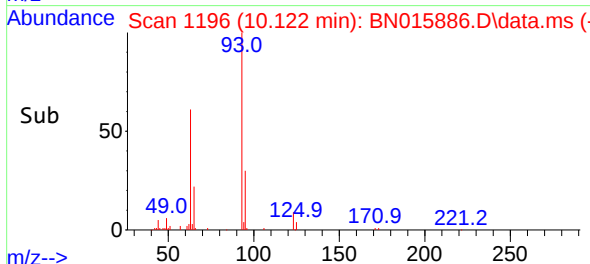
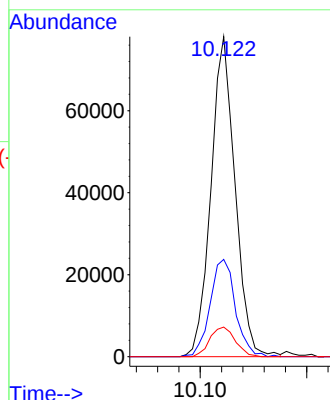
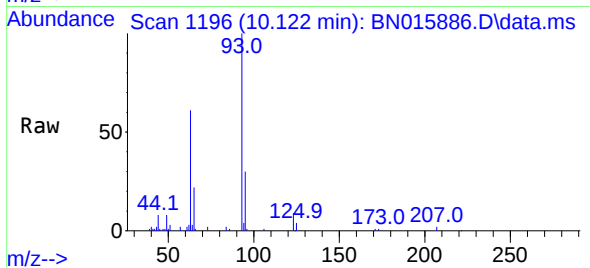
#27
 Bis(2-Chloroethoxy)methane
 Concen: 4.654 ng/ul
 RT: 10.122 min Scan# 1196
 Delta R.T. -0.000 min
 Lab File: BN015886.D
 Acq: 16 Aug 2021 19:58

Tgt Ion:	93	Resp:	122441
Ion	Ratio	Lower	Upper
93	100		
95	30.4	26.9	40.3
123	9.2	8.3	12.5

Instrument :
 BNA_N
 ClientSampleId :
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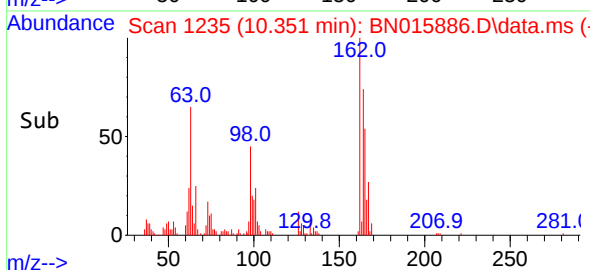
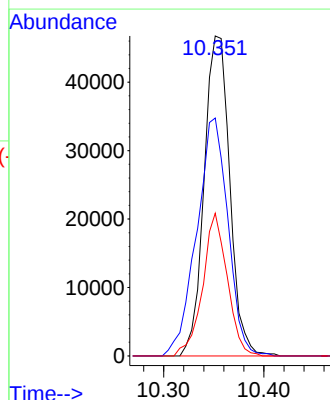
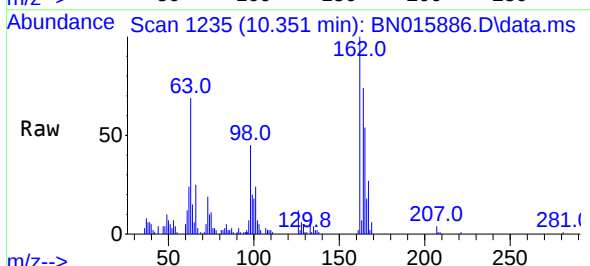
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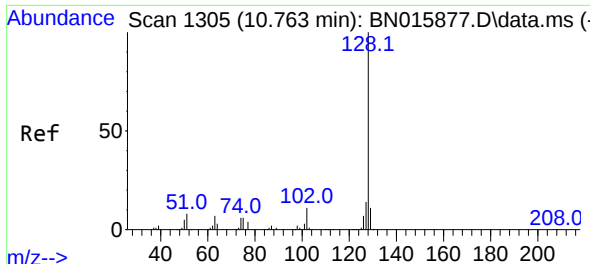
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#29
 2,4-Dichlorophenol
 Concen: 4.795 ng/ul
 RT: 10.351 min Scan# 1235
 Delta R.T. -0.000 min
 Lab File: BN015886.D
 Acq: 16 Aug 2021 19:58

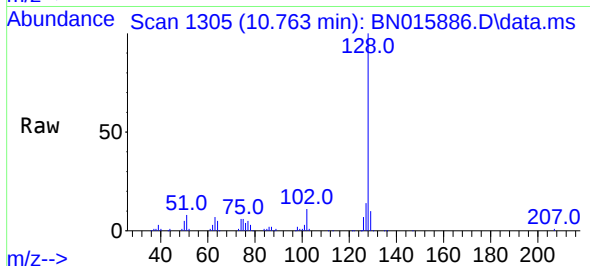
Tgt Ion:	162	Resp:	83361
Ion	Ratio	Lower	Upper
162	100		
164	74.3	51.9	77.9
98	44.6	34.2	51.2





#30
Naphthalene
Concen: 4.632 ng/ul
RT: 10.763 min Scan# 1305
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

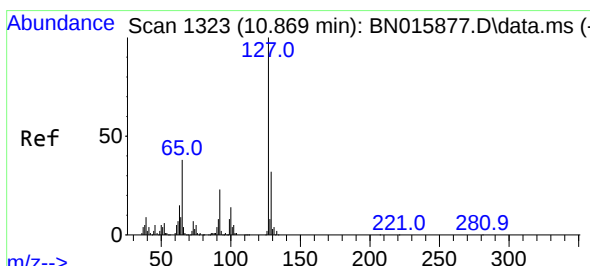
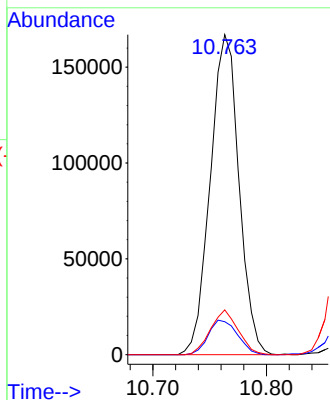
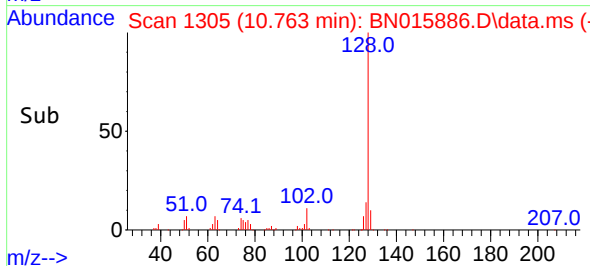
Instrument :
BNA_N
ClientSampleId :
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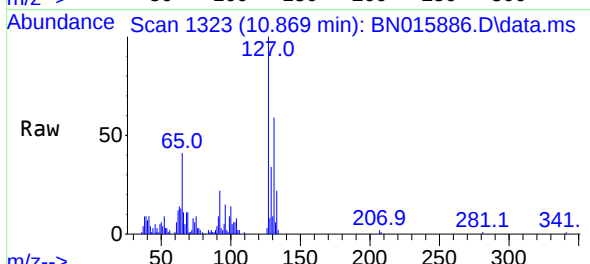
Tgt Ion:128 Resp: 293455
Ion Ratio Lower Upper
128 100
129 10.3 8.8 13.2
127 14.0 11.1 16.7

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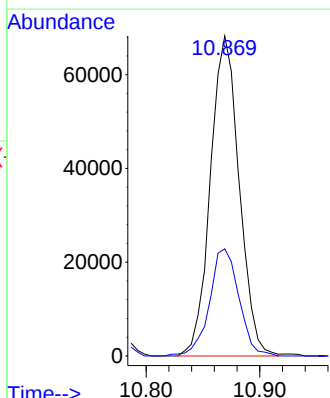
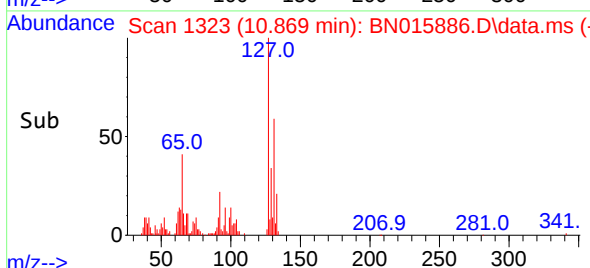
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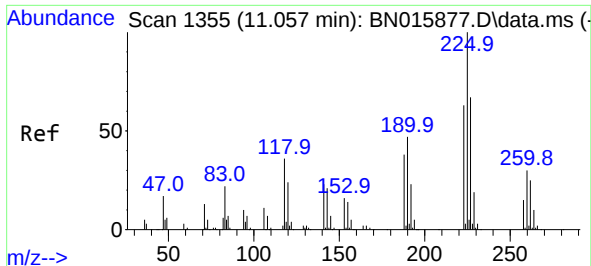


#32
4-Chloroaniline
Concen: 4.539 ng/ul
RT: 10.869 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58



Tgt Ion:127 Resp: 120284
Ion Ratio Lower Upper
127 100
129 33.5 25.6 38.4





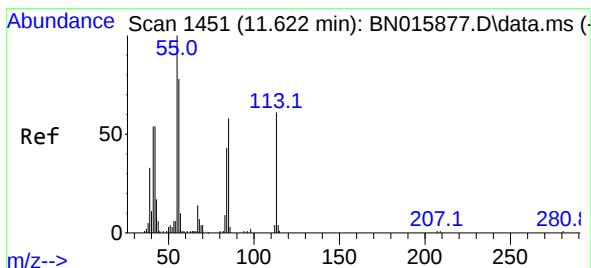
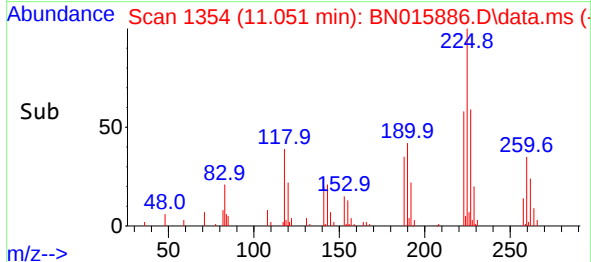
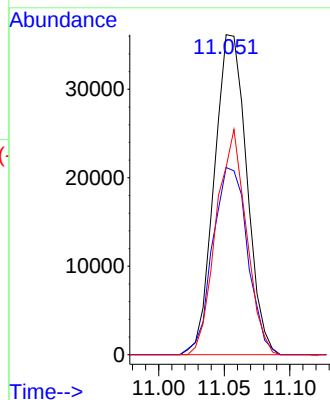
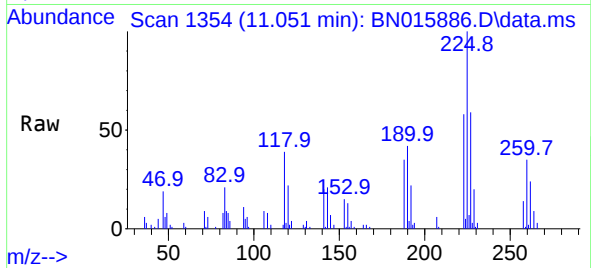
#33
Hexachlorobutadiene
Concen: 4.667 ng/ul
RT: 11.051 min Scan# 1354
Delta R.T. -0.006 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

Tgt Ion:225 Resp: 62342
Ion Ratio Lower Upper
225 100
223 58.5 50.5 75.7
227 58.6 53.9 80.9

Instrument :
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ClientSampleId :
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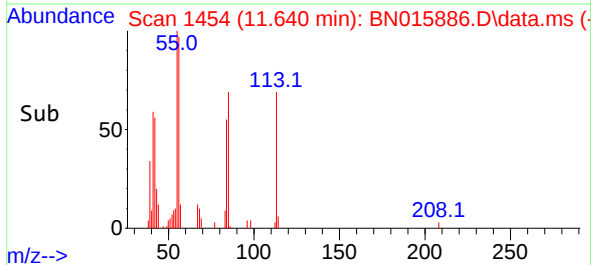
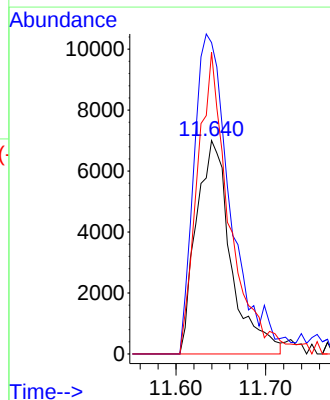
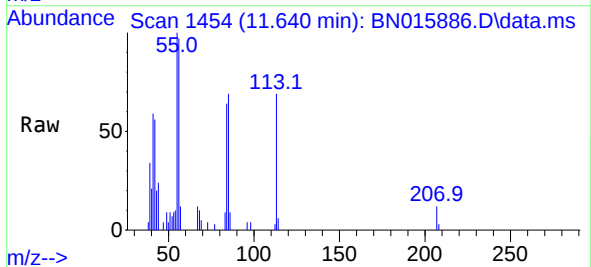
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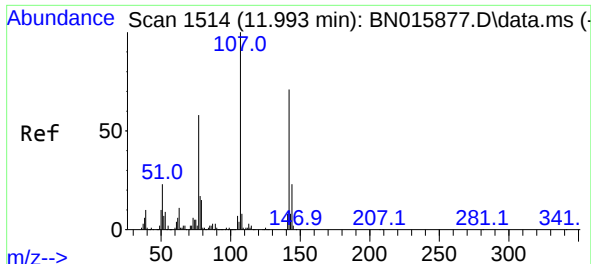
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#34
Caprolactam
Concen: 3.450 ng/ul
RT: 11.640 min Scan# 1454
Delta R.T. 0.018 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

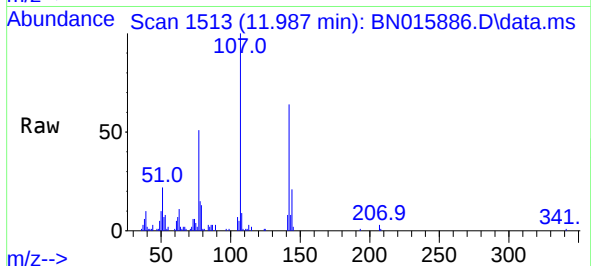
Tgt Ion:113 Resp: 18796
Ion Ratio Lower Upper
113 100
55 145.9 130.4 195.6
56 141.4 102.2 153.4





#35
4-Chloro-3-methylphenol
Concen: 4.411 ng/ul
RT: 11.987 min Scan# 1513
Delta R.T. -0.006 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

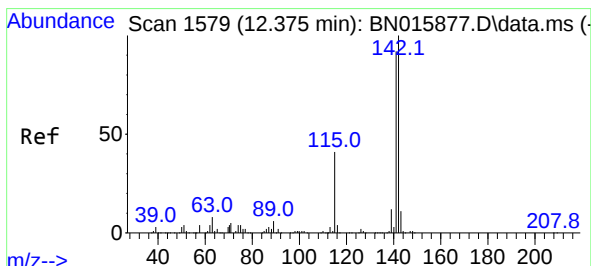
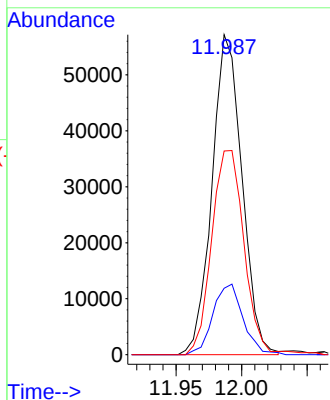
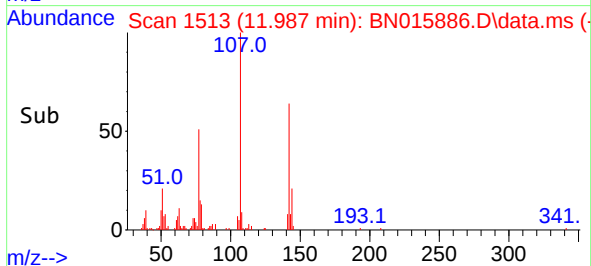
Instrument :
BNA_N
ClientSampleId :
MDL-MED-SOIL-QT3-2021-05



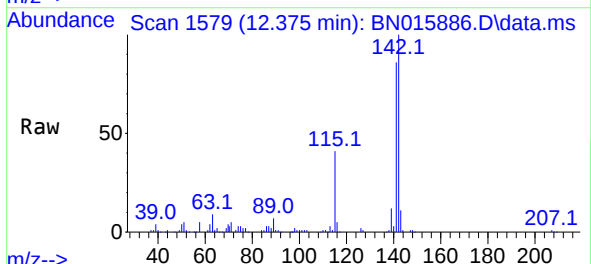
Tgt Ion:107 Resp: 90837
Ion Ratio Lower Upper
107 100
144 20.7 18.2 27.4
142 63.7 57.1 85.7

Manual Integrations
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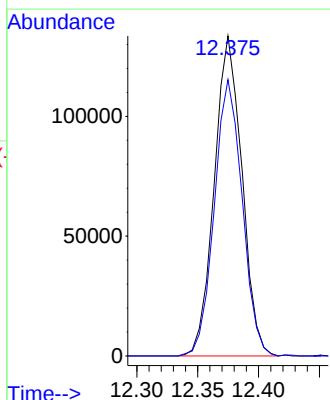
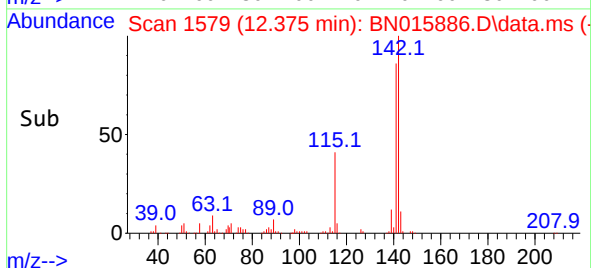
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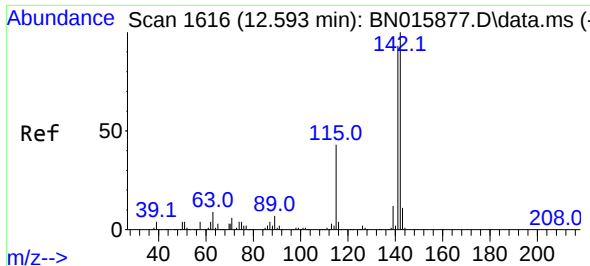


#36
2-Methylnaphthalene
Concen: 4.789 ng/ul
RT: 12.375 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58



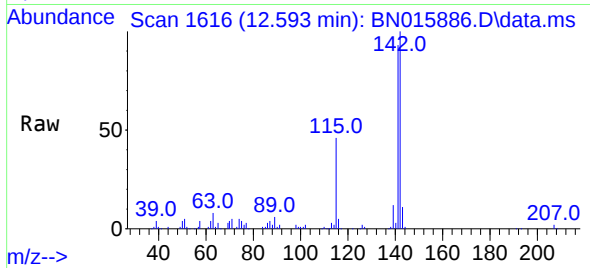
Tgt Ion:142 Resp: 211016
Ion Ratio Lower Upper
142 100
141 86.4 73.4 110.0





#37
1-Methylnaphthalene
Concen: 4.786 ng/ul
RT: 12.593 min Scan# 1616
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

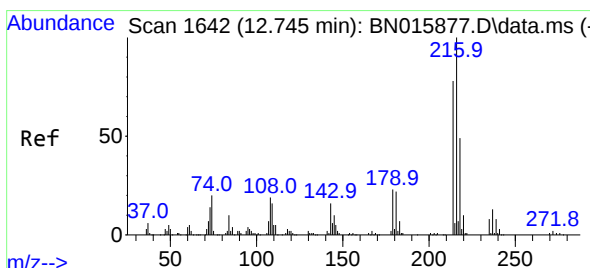
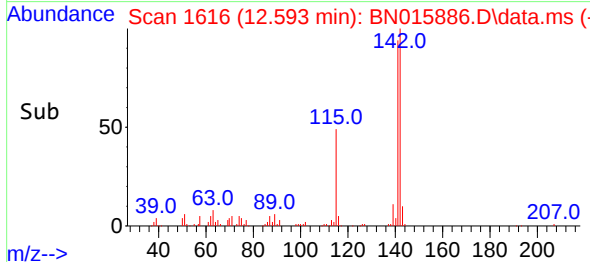
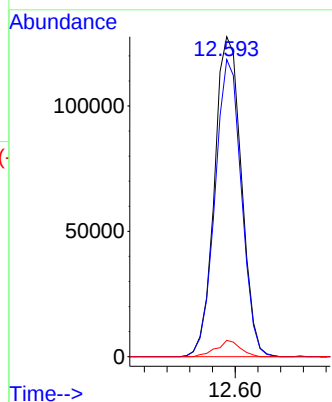
Instrument :
BNA_N
ClientSampleId :
MDL-MED-SOIL-QT3-2021-05



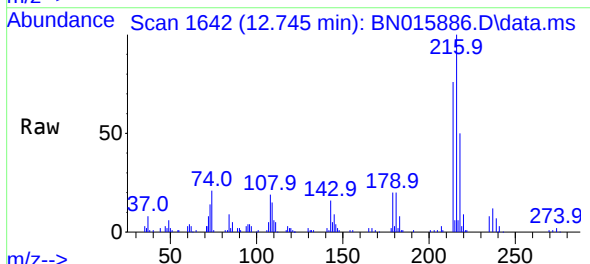
Tgt Ion:142 Resp: 209909
Ion Ratio Lower Upper
142 100
141 92.8 74.2 111.4
116 5.1 3.4 5.0#

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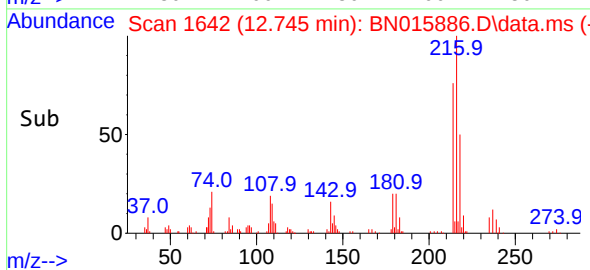
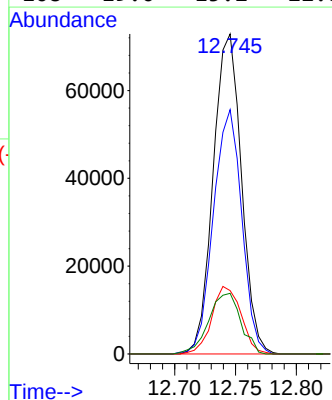
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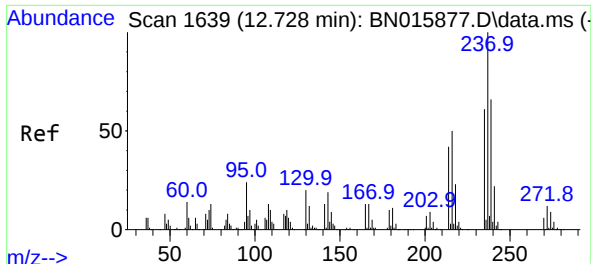


#39
1,2,4,5-Tetrachlorobenzene
Concen: 4.827 ng/ul
RT: 12.745 min Scan# 1642
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58



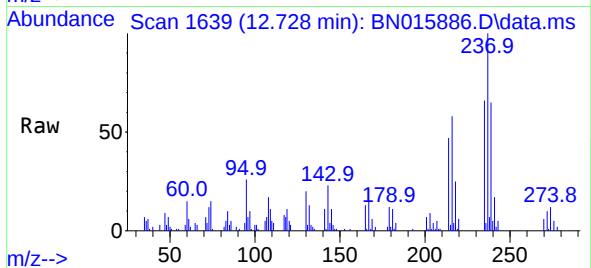
Tgt Ion:216 Resp: 117793
Ion Ratio Lower Upper
216 100
214 76.3 62.7 94.1
179 19.8 18.6 27.8
108 19.0 15.2 22.8





#40
Hexachlorocyclopentadiene
Concen: 4.446 ng/ul
RT: 12.728 min Scan# 1639
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

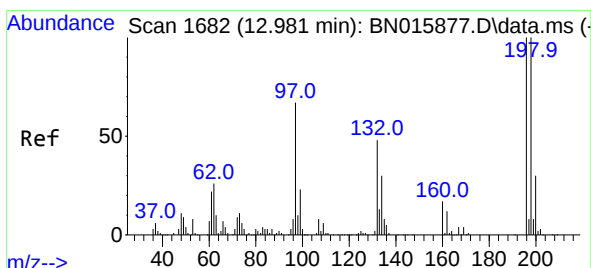
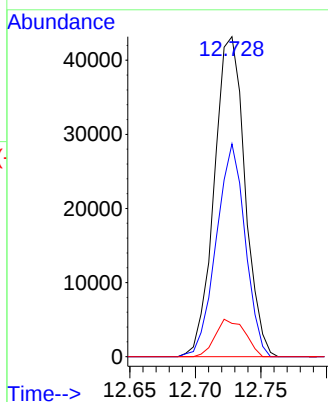
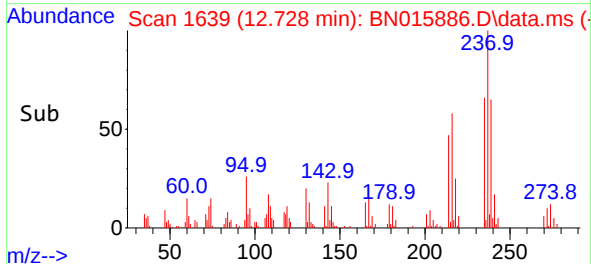
Instrument :
BNA_N
ClientSampleId :
MDL-MED-SOIL-QT3-2021-05



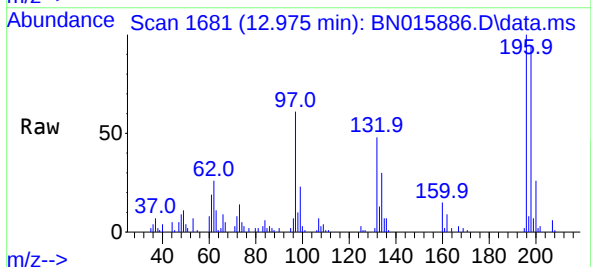
Tgt Ion:237 Resp: 70343
Ion Ratio Lower Upper
237 100
235 66.5 49.0 73.4
272 11.4 9.8 14.8

Manual Integrations
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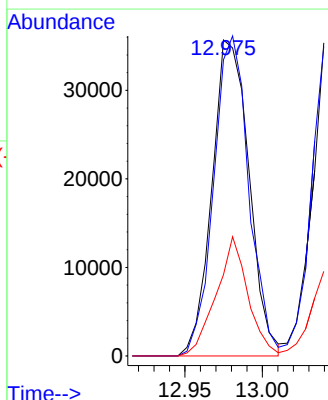
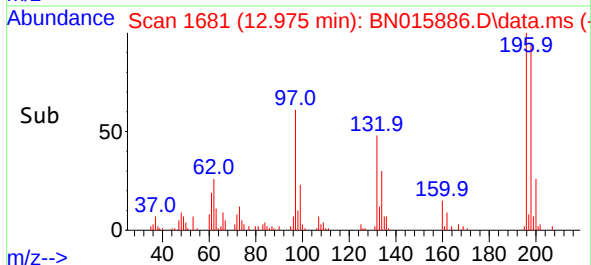
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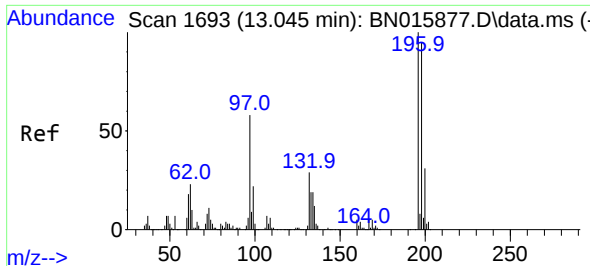


#41
2,4,6-Trichlorophenol
Concen: 4.445 ng/ul
RT: 12.975 min Scan# 1681
Delta R.T. -0.006 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58



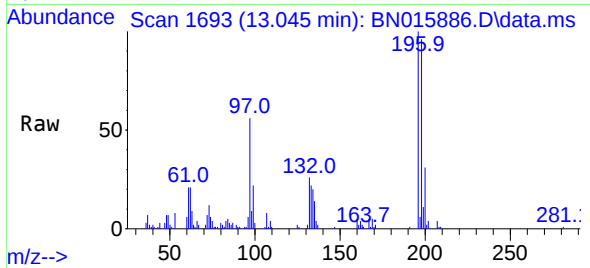
Tgt Ion:196 Resp: 59316
Ion Ratio Lower Upper
196 100
198 93.7 79.9 119.9
200 25.7 23.6 35.4





#42
2,4,5-Trichlorophenol
Concen: 4.391 ng/ul
RT: 13.045 min Scan# 1693
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

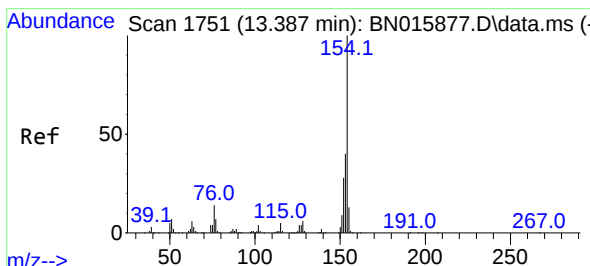
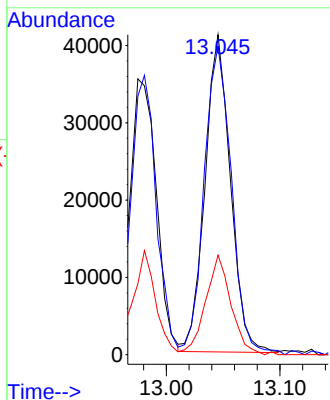
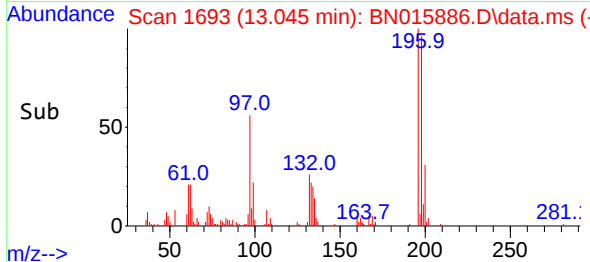
Instrument :
BNA_N
ClientSampleId :
MDL-MED-SOIL-QT3-2021-05



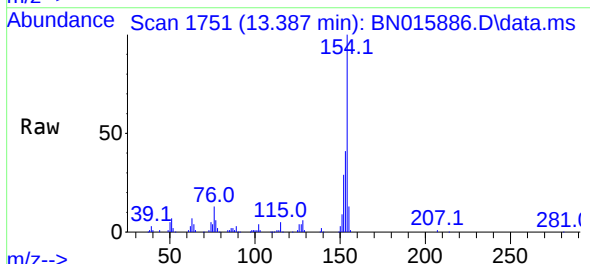
Tgt Ion:196 Resp: 63962
Ion Ratio Lower Upper
196 100
198 96.4 76.5 114.7
200 31.1 24.6 37.0

Manual Integrations
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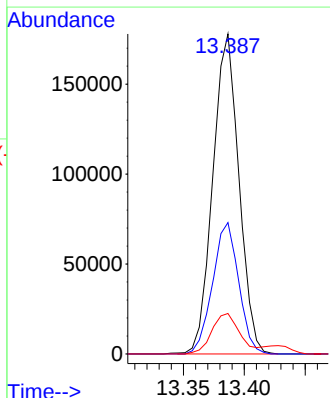
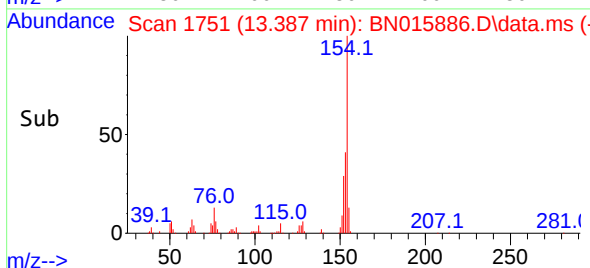
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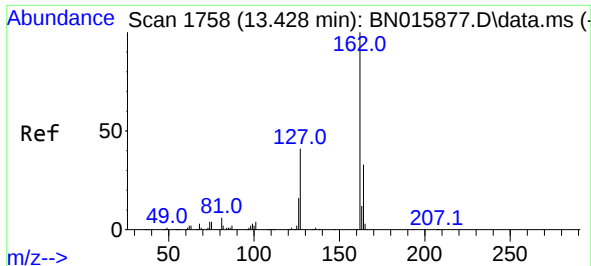


#43
1,1'-Biphenyl
Concen: 4.545 ng/ul
RT: 13.387 min Scan# 1751
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58



Tgt Ion:154 Resp: 265114
Ion Ratio Lower Upper
154 100
153 41.0 32.1 48.1
76 12.6 11.0 16.6





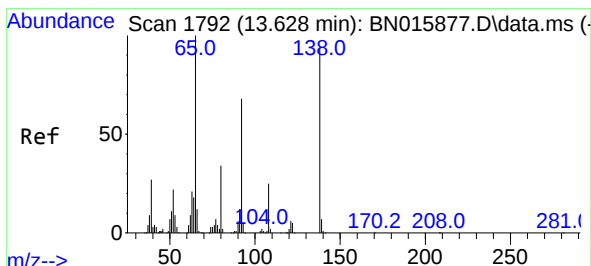
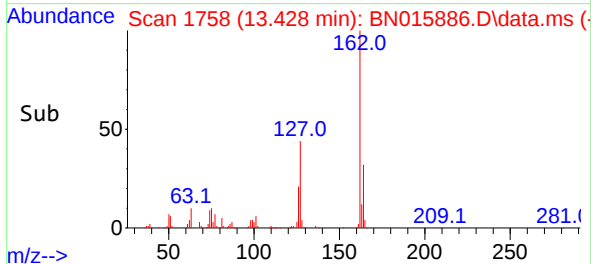
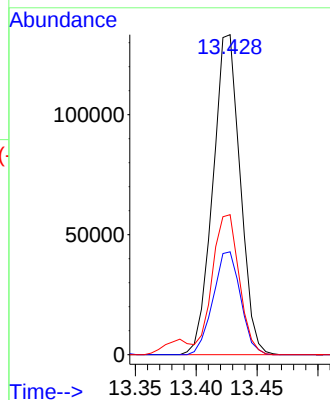
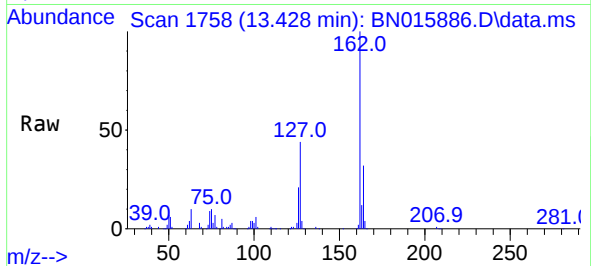
#44
2-Chloronaphthalene
Concen: 4.620 ng/ul
RT: 13.428 min Scan# 1758
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

Tgt Ion:	162	Resp:	208061
Ion	Ratio	Lower	Upper
162	100		
164	32.2	26.6	40.0
127	43.8	36.3	54.5

Instrument :
BNA_N
ClientSampleId :
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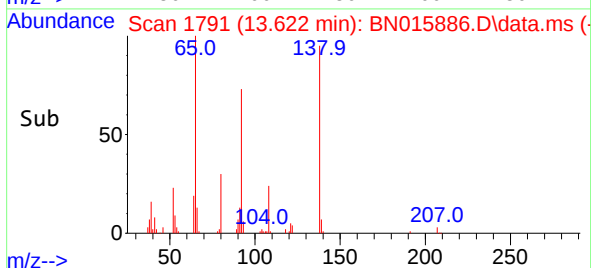
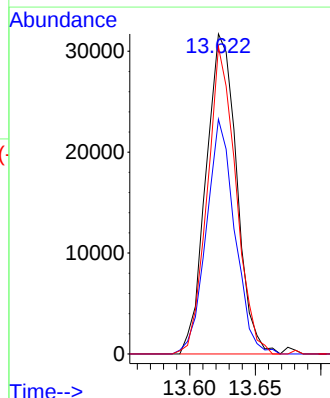
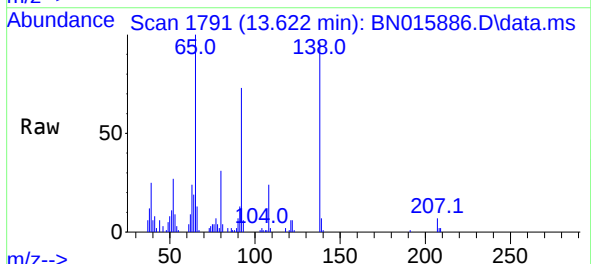
Manual Integrations
APPROVED

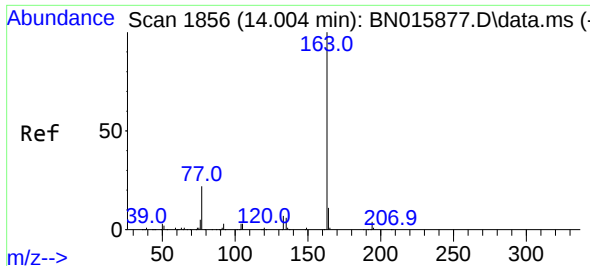
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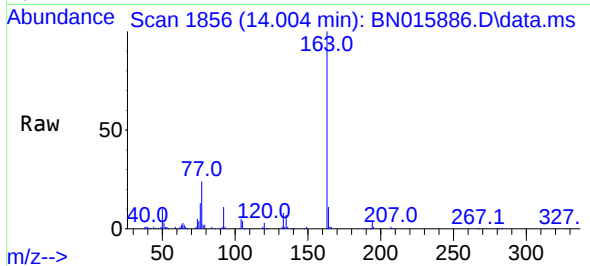
#45
2-Nitroaniline
Concen: 4.042 ng/ul
RT: 13.622 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

Tgt Ion:	65	Resp:	51589
Ion	Ratio	Lower	Upper
65	100		
92	73.4	54.5	81.7
138	96.0	75.4	113.0

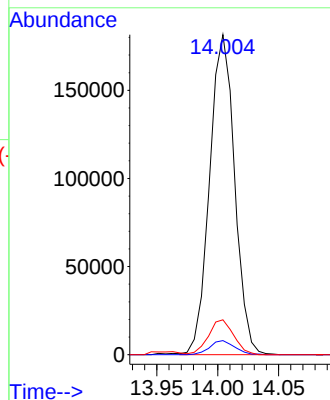
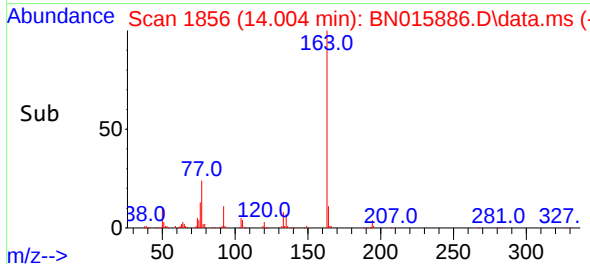




#47
Dimethylphthalate
Concen: 4.740 ng/ul
RT: 14.004 min Scan# 1856
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58



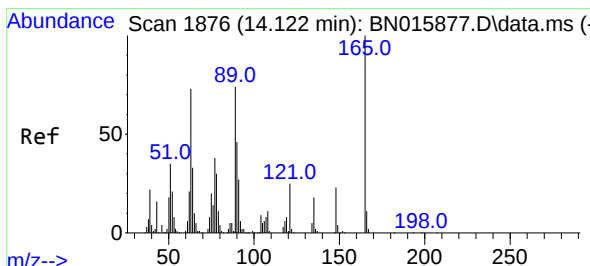
Tgt Ion:163 Resp: 259750
Ion Ratio Lower Upper
163 100
194 4.4 3.3 4.9
164 10.9 8.6 12.8



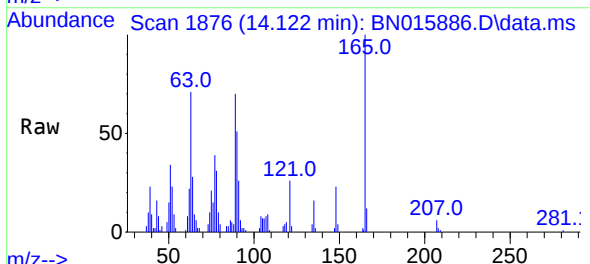
Instrument :
BNA_N
ClientSampleId :
MDL-MED-SOIL-QT3-2021-05

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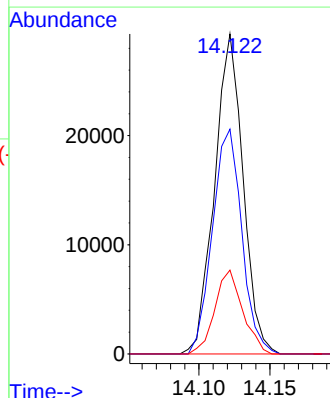
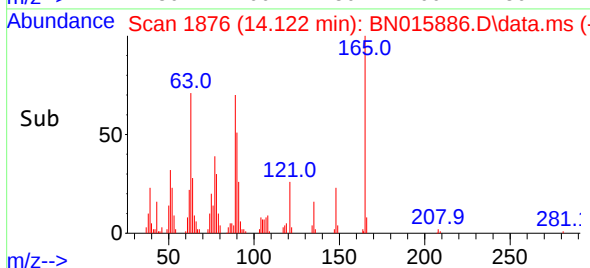
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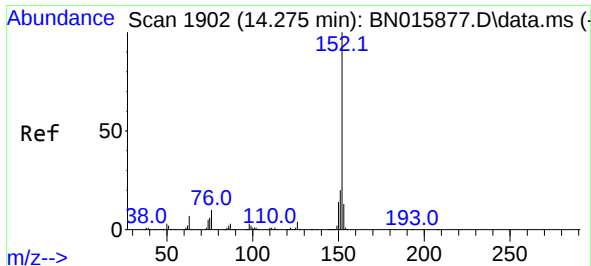


#48
2,6-Dinitrotoluene
Concen: 4.125 ng/ul
RT: 14.122 min Scan# 1876
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58



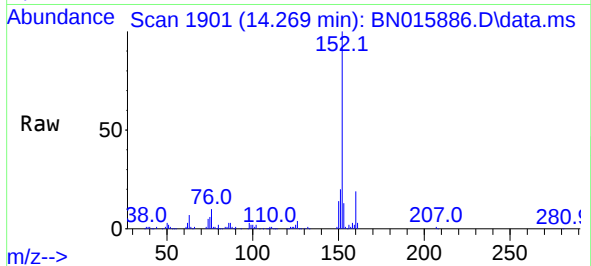
Tgt Ion:165 Resp: 40937
Ion Ratio Lower Upper
165 100
89 70.3 59.5 89.3
121 26.2 20.0 30.0





#50
Acenaphthylene
Concen: 4.867 ng/ul
RT: 14.269 min Scan# 1901
Delta R.T. -0.006 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

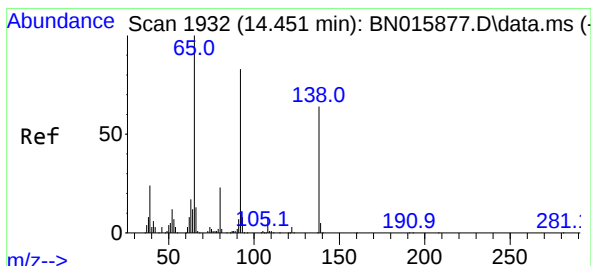
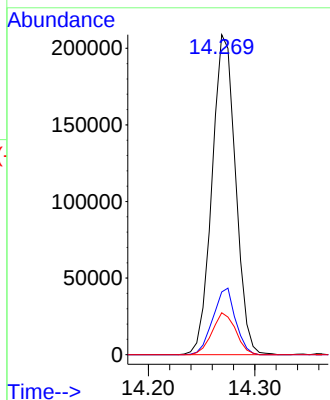
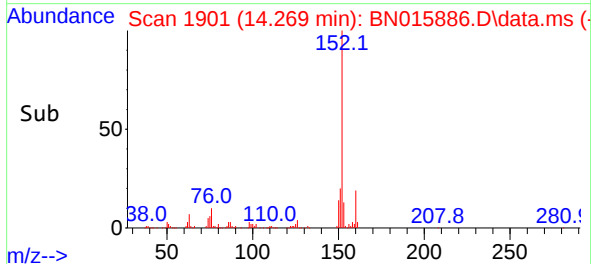
Instrument :
BNA_N
ClientSampleId :
MDL-MED-SOIL-QT3-2021-05



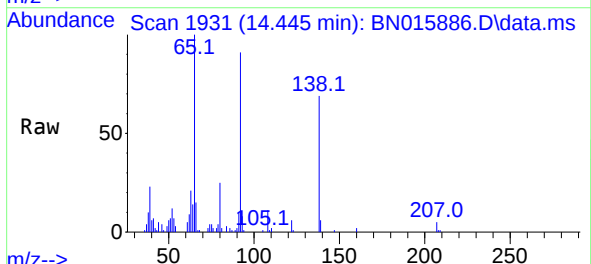
Tgt Ion:152 Resp: 320289
Ion Ratio Lower Upper
152 100
151 19.6 16.2 24.2
153 13.1 10.3 15.5

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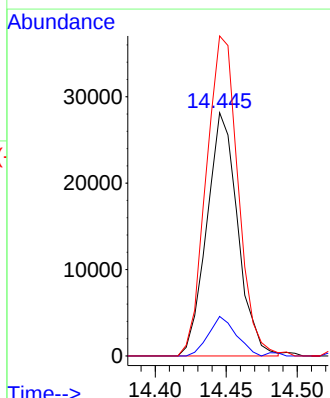
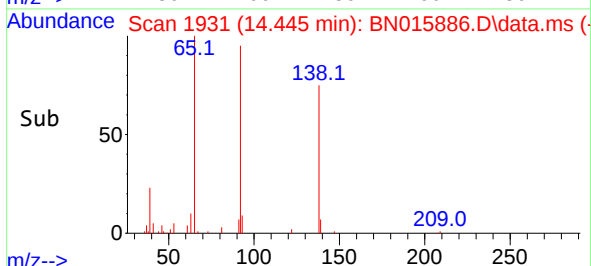
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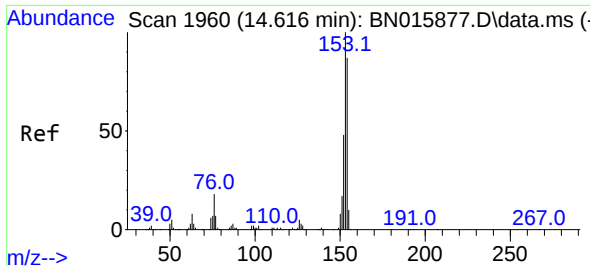


#51
3-Nitroaniline
Concen: 3.999 ng/ul
RT: 14.445 min Scan# 1931
Delta R.T. -0.006 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58



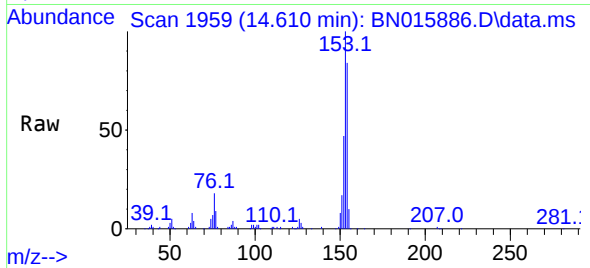
Tgt Ion:138 Resp: 42674
Ion Ratio Lower Upper
138 100
108 16.3 10.3 15.5#
92 131.6 103.9 155.9





#52
Acenaphthene
Concen: 4.646 ng/ul
RT: 14.610 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

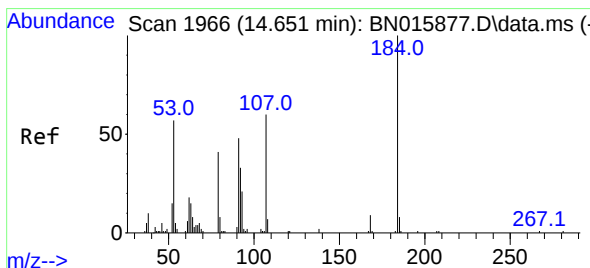
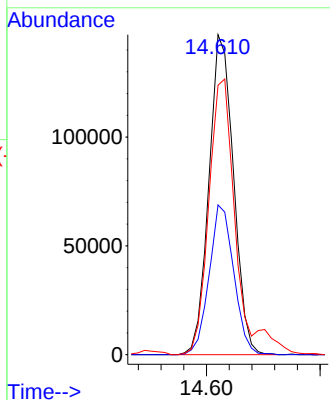
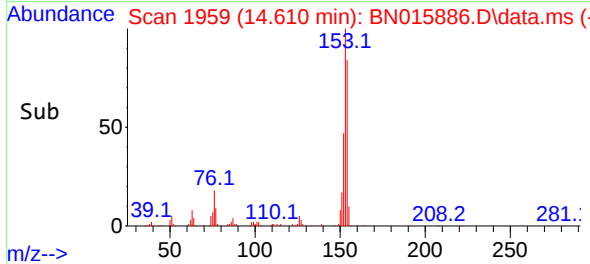
Instrument :
BNA_N
ClientSampleId :
MDL-MED-SOIL-QT3-2021-05



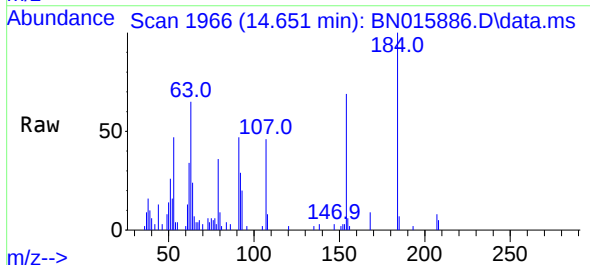
Tgt Ion:153 Resp: 221143
Ion Ratio Lower Upper
153 100
152 46.8 38.6 57.8
154 84.2 69.3 103.9

Manual Integrations
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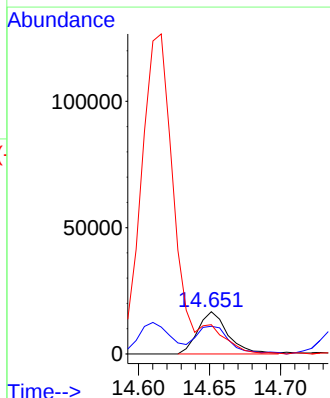
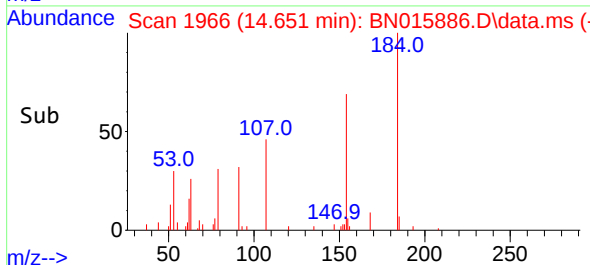
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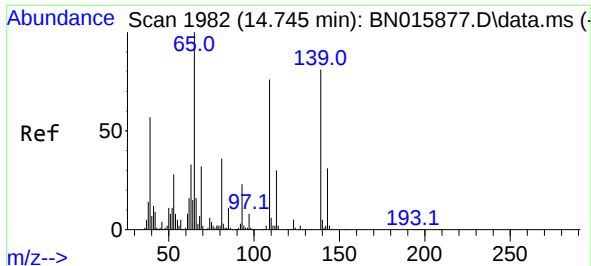


#53
2,4-Dinitrophenol
Concen: 4.467 ng/ul
RT: 14.651 min Scan# 1966
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58



Tgt Ion:184 Resp: 24631
Ion Ratio Lower Upper
184 100
63 65.5 64.8 97.2
154 69.2 59.7 89.5





#55
4-Nitrophenol
Concen: 4.363 ng/ul
RT: 14.745 min Scan# 1982
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

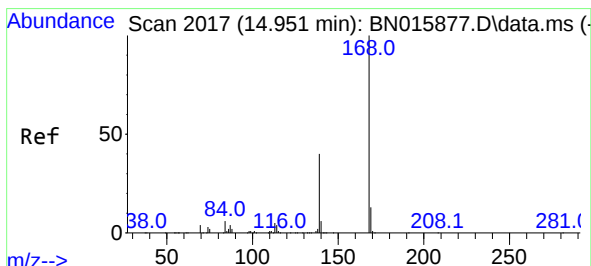
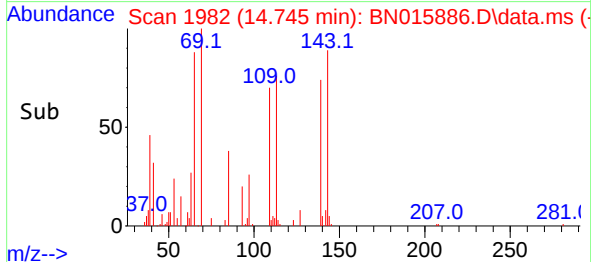
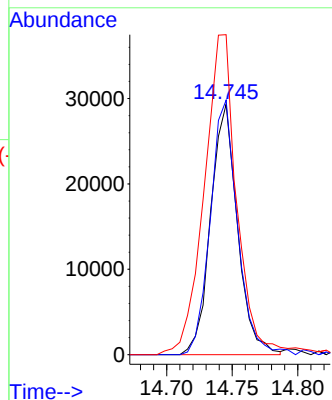
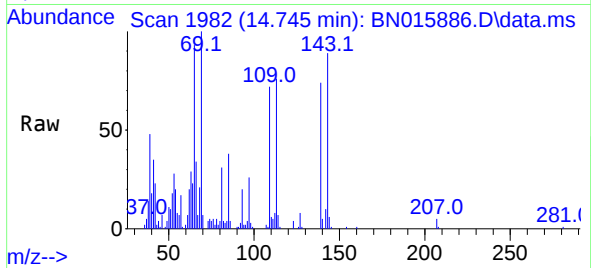
Tgt Ion:109 Resp: 41746

Ion	Ratio	Lower	Upper
109	100		
139	101.6	84.7	127.1
65	127.8	105.0	157.6

Instrument :
BNA_N
ClientSampleId :
MDL-MED-SOIL-QT3-2021-05

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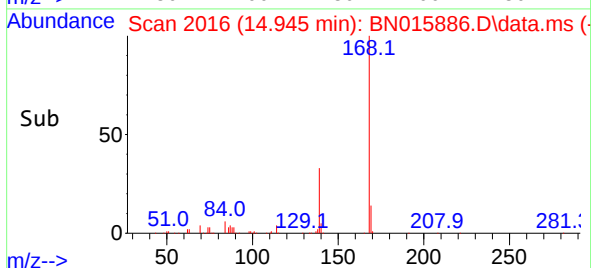
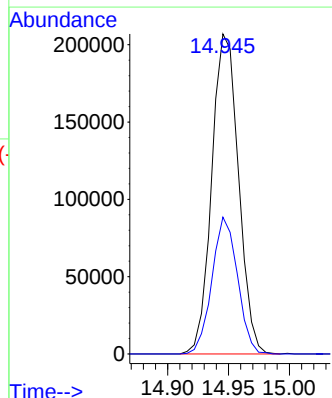
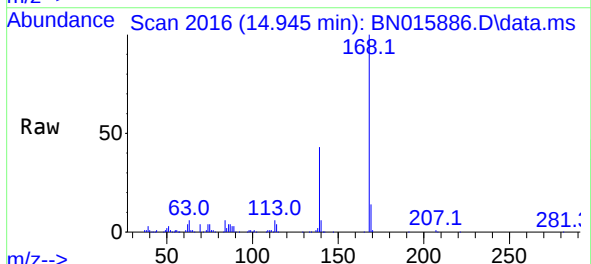
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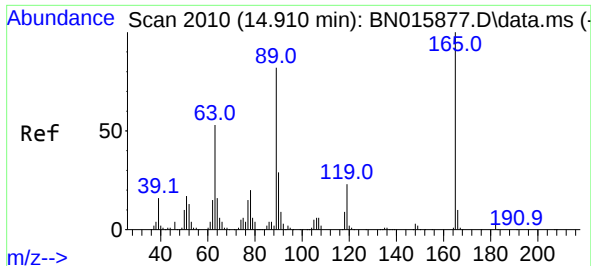


#56
Dibenzofuran
Concen: 4.807 ng/ul
RT: 14.945 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

Tgt Ion:168 Resp: 316366

Ion	Ratio	Lower	Upper
168	100		
139	42.7	31.8	47.6





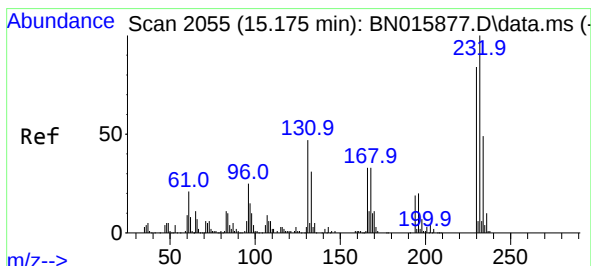
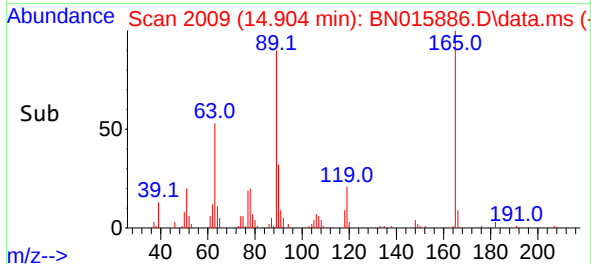
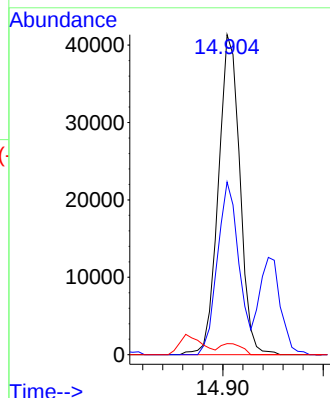
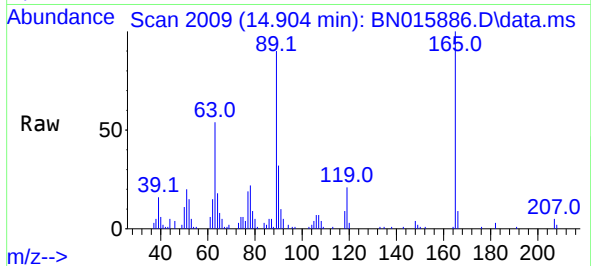
#57
2,4-Dinitrotoluene
Concen: 4.299 ng/ul
RT: 14.904 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

Tgt Ion:165 Resp: 61456
Ion Ratio Lower Upper
165 100
63 54.0 42.8 64.2
182 3.4 2.2 3.4#

Instrument :
BNA_N
ClientSampleId :
MDL-MED-SOIL-QT3-2021-05

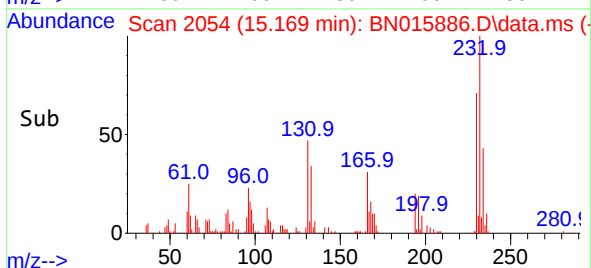
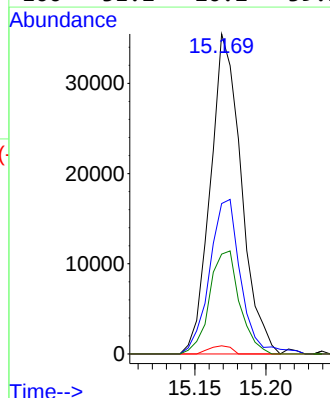
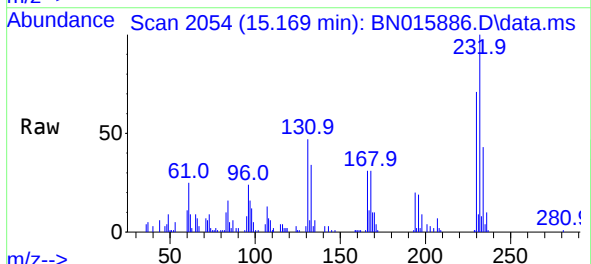
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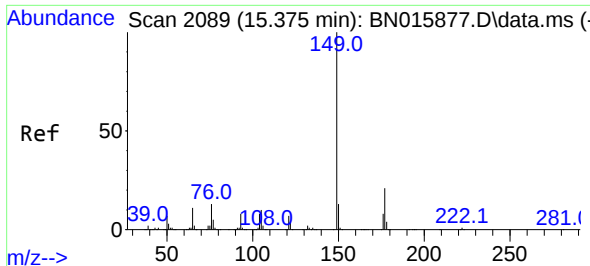
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#58
2,3,4,6-Tetrachlorophenol
Concen: 4.444 ng/ul
RT: 15.169 min Scan# 2054
Delta R.T. -0.006 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

Tgt Ion:232 Resp: 53572
Ion Ratio Lower Upper
232 100
131 47.0 37.5 56.3
130 2.6 2.2 3.4
166 31.2 26.2 39.2





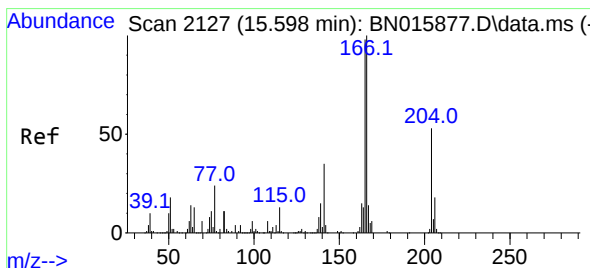
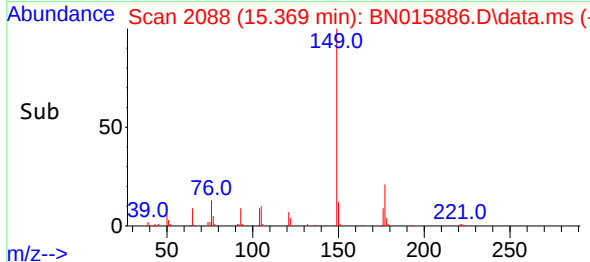
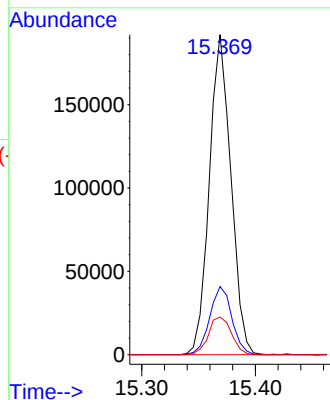
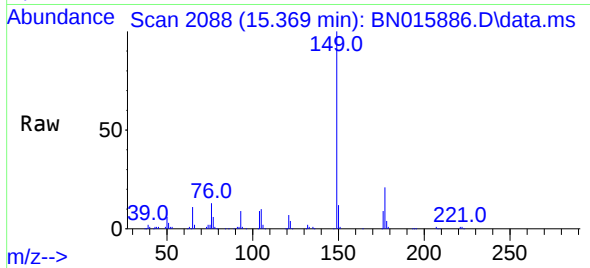
#59
Diethylphthalate
Concen: 4.627 ng/ul
RT: 15.369 min Scan# 2088
Delta R.T. -0.006 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

Tgt Ion:149 Resp: 253526
Ion Ratio Lower Upper
149 100
177 21.3 17.2 25.8
150 11.8 10.2 15.2

Instrument :
BNA_N
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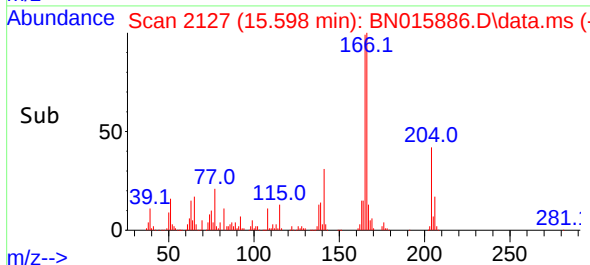
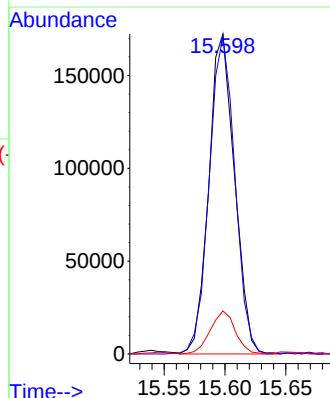
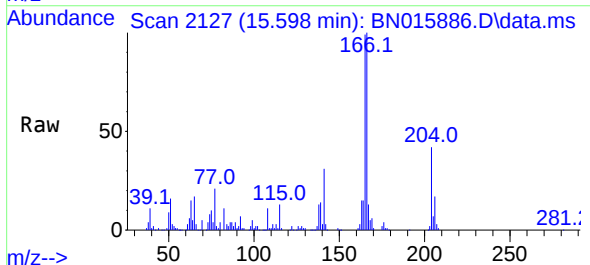
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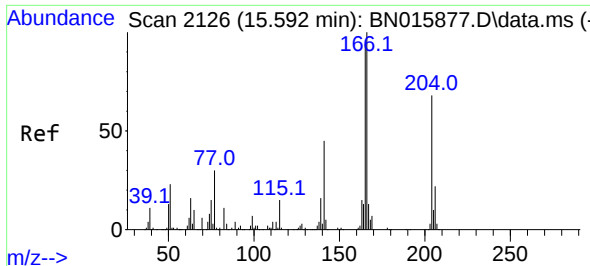
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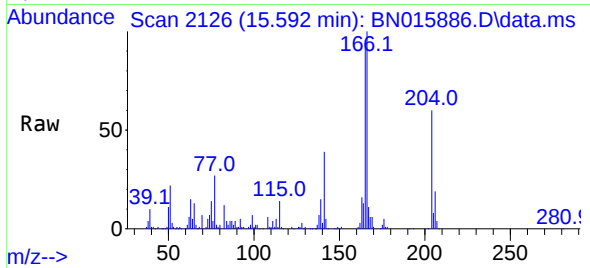
#61
Fluorene
Concen: 4.701 ng/ul
RT: 15.598 min Scan# 2127
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

Tgt Ion:166 Resp: 252450
Ion Ratio Lower Upper
166 100
165 99.4 78.4 117.6
167 13.4 10.8 16.2

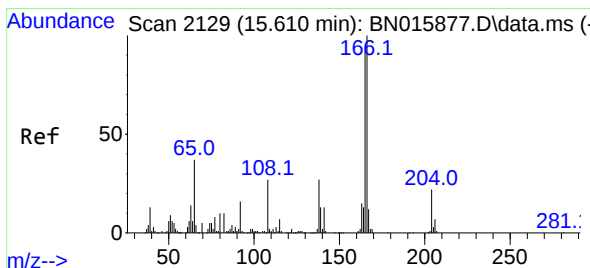
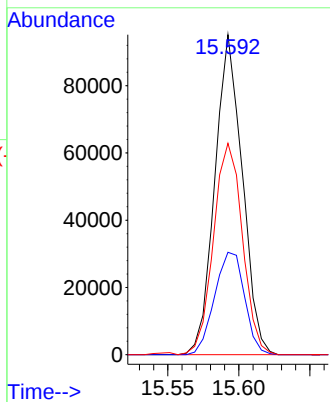
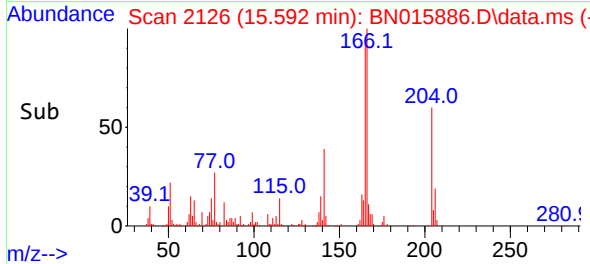




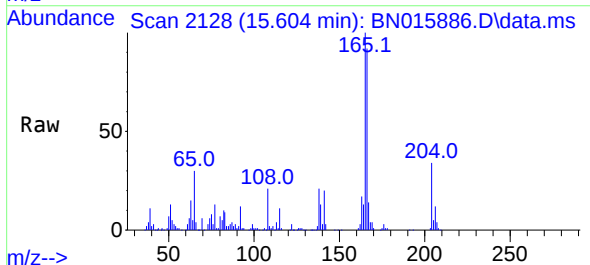
#62
4-Chlorophenyl-phenylether
Concen: 4.570 ng/ul
RT: 15.592 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58



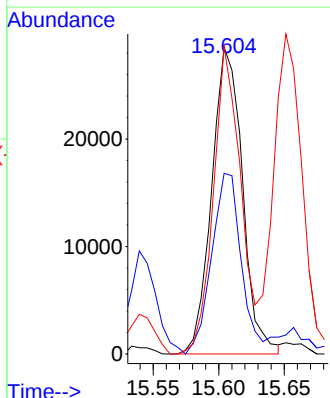
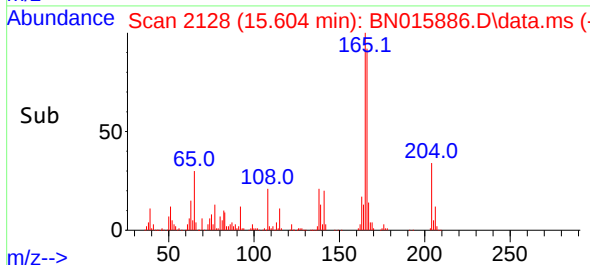
Tgt Ion:204 Resp: 127971
Ion Ratio Lower Upper
204 100
206 32.0 26.1 39.1
141 66.1 53.4 80.0



#63
4-Nitroaniline
Concen: 4.548 ng/ul
RT: 15.604 min Scan# 2128
Delta R.T. -0.006 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58



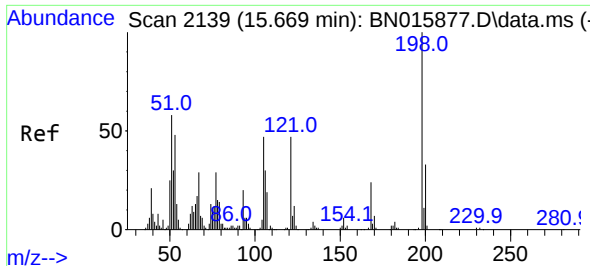
Tgt Ion:138 Resp: 46495
Ion Ratio Lower Upper
138 100
92 58.9 48.6 72.8
108 100.2 80.7 121.1



Instrument :
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ClientSampleId :
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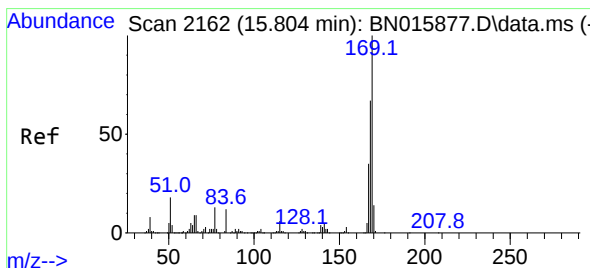
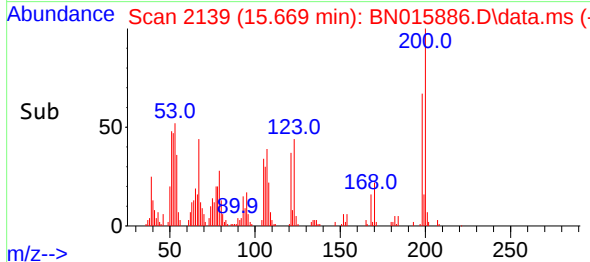
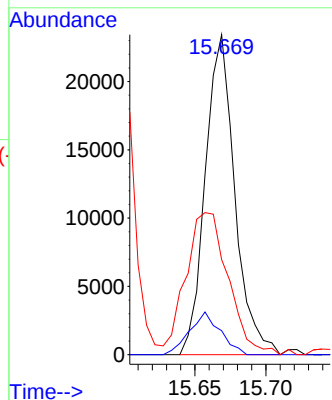
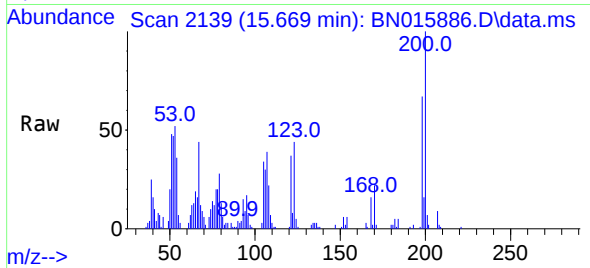
#66
4,6-Dinitro-2-methylphenol
Concen: 4.000 ng/ul
RT: 15.669 min Scan# 2139
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

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Tgt Ion:198 Resp: 33854
Ion Ratio Lower Upper
198 100
182 7.5 3.0 4.4#
77 29.7 23.4 35.0

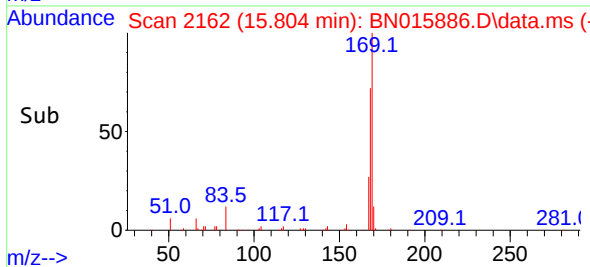
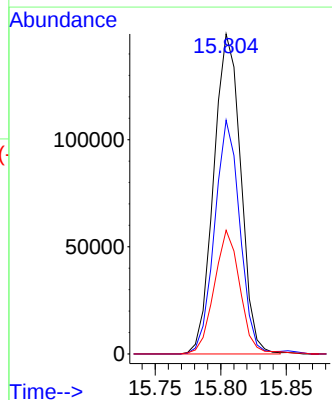
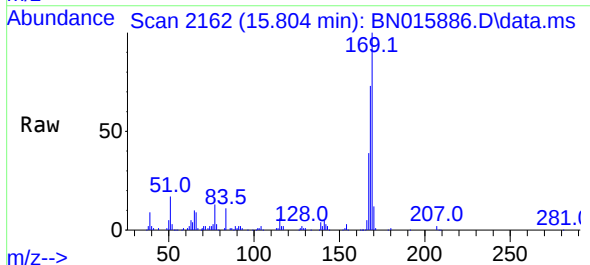
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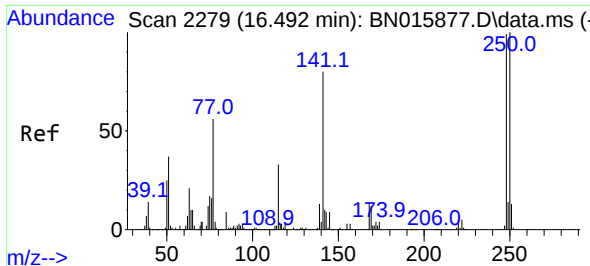
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#67
N-Nitrosodiphenylamine
Concen: 4.598 ng/ul
RT: 15.804 min Scan# 2162
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

Tgt Ion:169 Resp: 213873
Ion Ratio Lower Upper
169 100
168 73.1 53.5 80.3
167 38.7 27.9 41.9





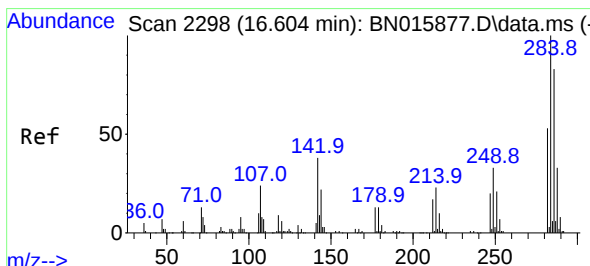
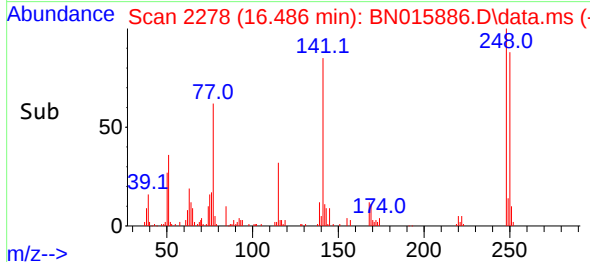
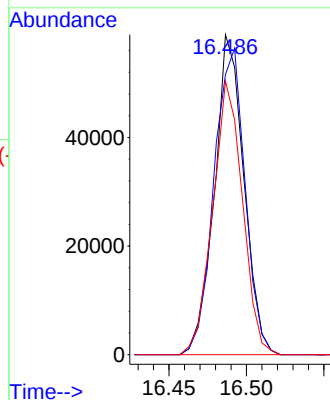
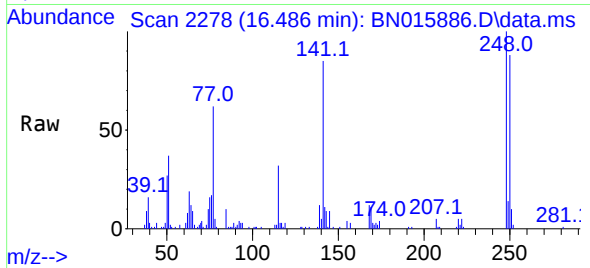
#68
4-Bromophenyl-phenylether
Concen: 4.559 ng/ul
RT: 16.486 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

Tgt Ion:	248	Resp:	77964
Ion	Ratio	Lower	Upper
248	100		
250	87.5	81.1	121.7
141	85.5	64.7	97.1

Instrument :
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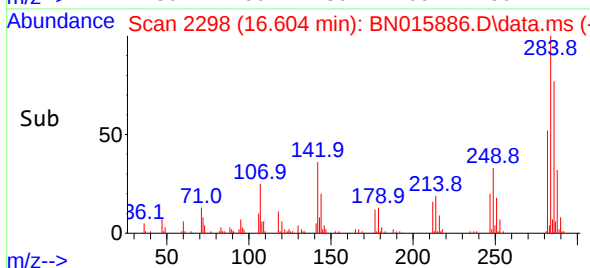
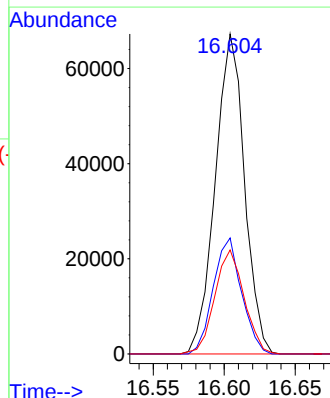
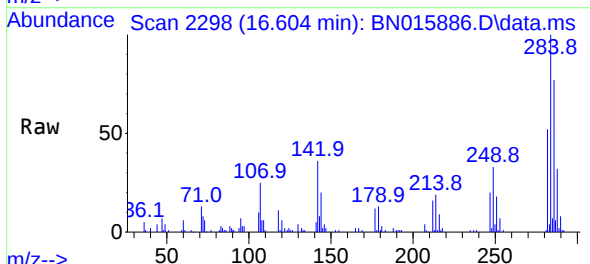
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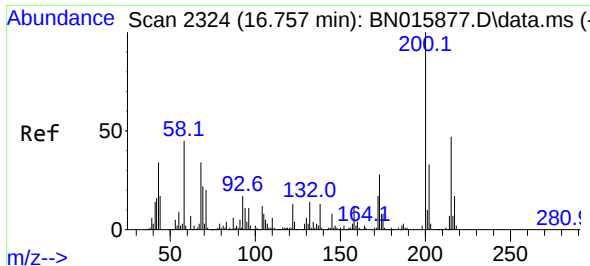
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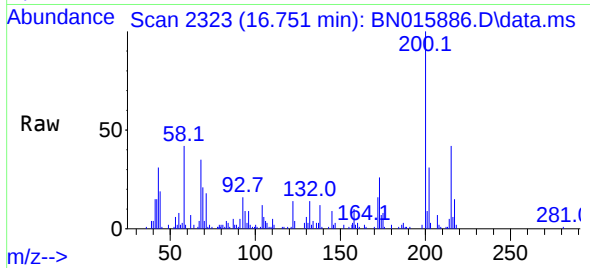
#69
Hexachlorobenzene
Concen: 4.822 ng/ul
RT: 16.604 min Scan# 2298
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

Tgt Ion:	284	Resp:	96359
Ion	Ratio	Lower	Upper
284	100		
142	36.3	30.3	45.5
249	32.5	26.3	39.5

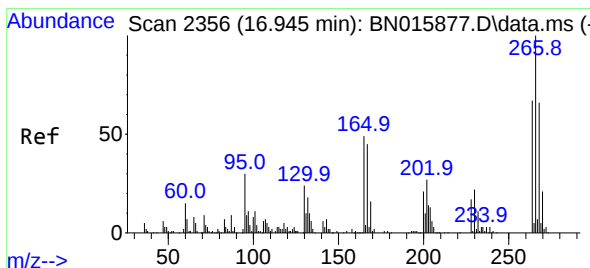
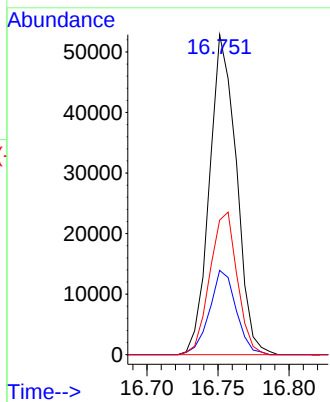
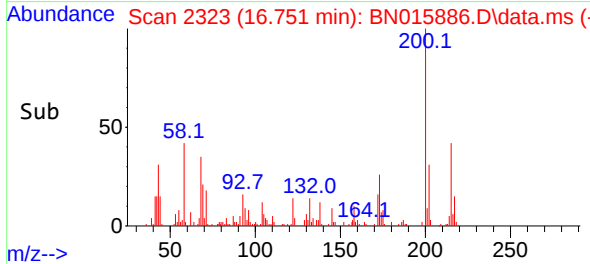




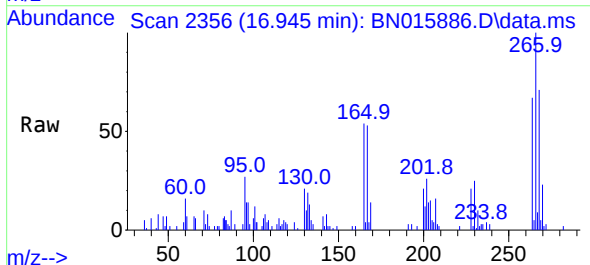
#70
Atrazine
Concen: 4.131 ng/ul
RT: 16.751 min Scan# 2323
Delta R.T. -0.006 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58



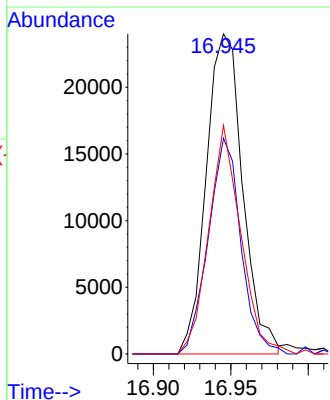
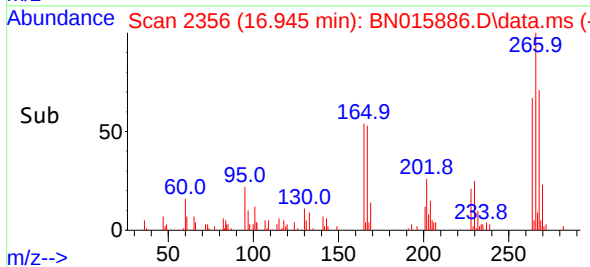
Tgt Ion:200 Resp: 69690
Ion Ratio Lower Upper
200 100
173 26.3 22.2 33.2
215 42.1 37.6 56.4



#71
Pentachlorophenol
Concen: 3.502 ng/ul
RT: 16.945 min Scan# 2356
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58



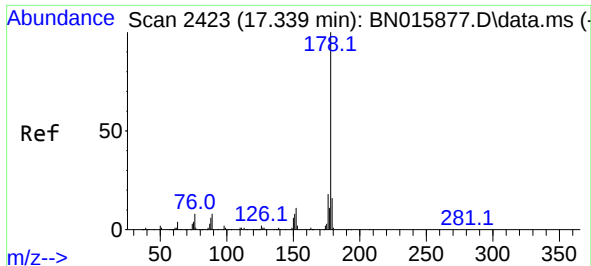
Tgt Ion:266 Resp: 39255
Ion Ratio Lower Upper
266 100
264 67.5 53.8 80.6
268 71.4 52.7 79.1



Instrument :
BNA_N
ClientSampleId :
MDL-MED-SOIL-QT3-2021-05

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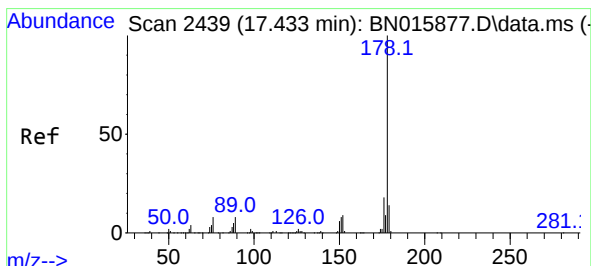
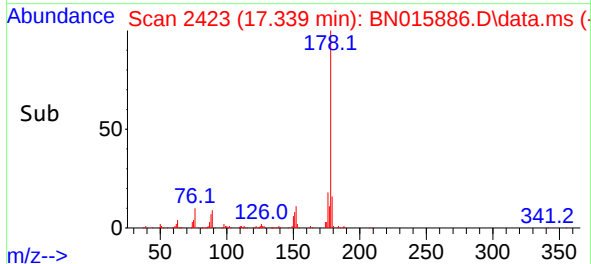
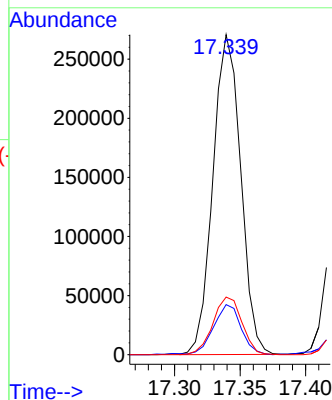
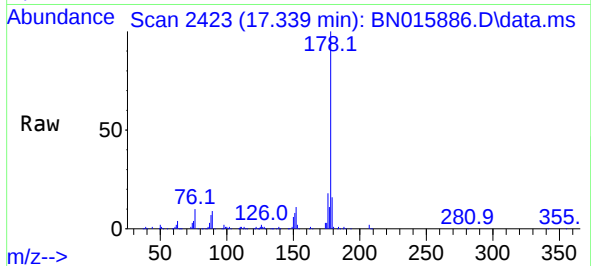
#72
Phenanthrene
Concen: 4.604 ng/u1
RT: 17.339 min Scan# 2423
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

Tgt Ion:178 Resp: 398799
Ion Ratio Lower Upper
178 100
179 15.7 12.5 18.7
176 18.0 14.6 21.8

Instrument :
BNA_N
ClientSampleId :
MDL-MED-SOIL-QT3-2021-05

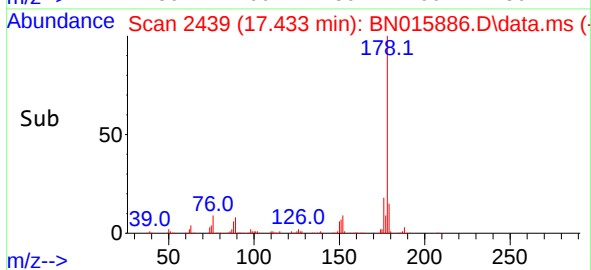
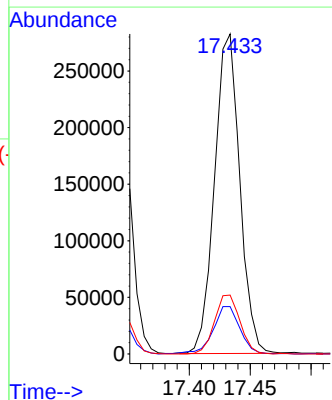
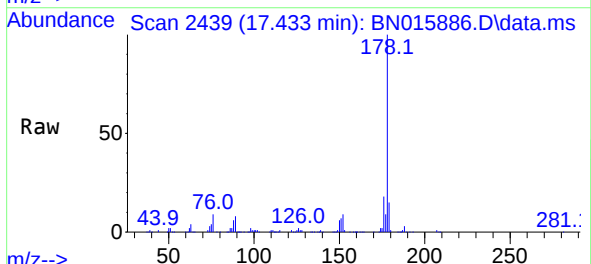
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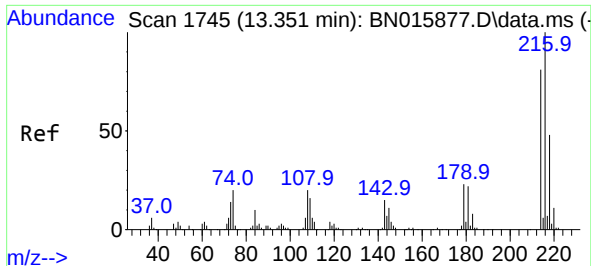
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#74
Anthracene
Concen: 4.599 ng/u1
RT: 17.433 min Scan# 2439
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

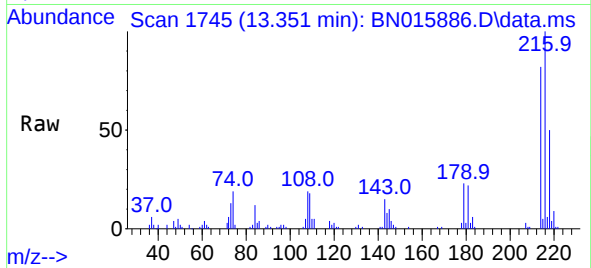
Tgt Ion:178 Resp: 406780
Ion Ratio Lower Upper
178 100
179 14.8 11.6 17.4
176 18.4 14.4 21.6





#75
1,2,3,4-Tetrachlorobenzene
Concen: 4.401 ng/uL
RT: 13.351 min Scan# 1745
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

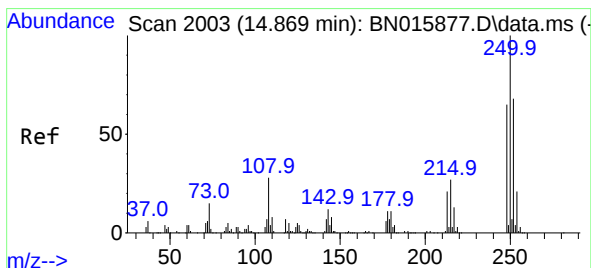
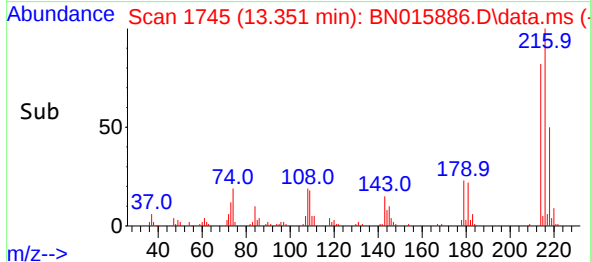
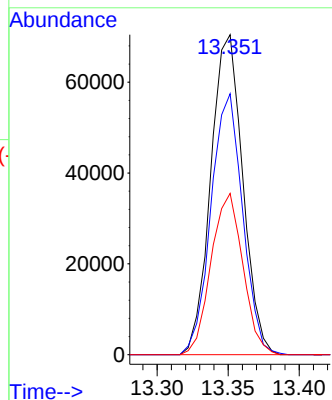
Instrument :
BNA_N
ClientSampleId :
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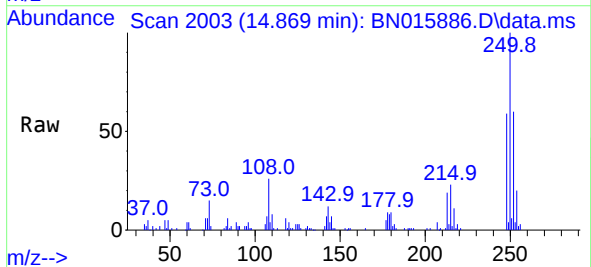
Tgt Ion:216 Resp: 110461
Ion Ratio Lower Upper
216 100
214 81.5 64.6 97.0
218 50.4 38.7 58.1

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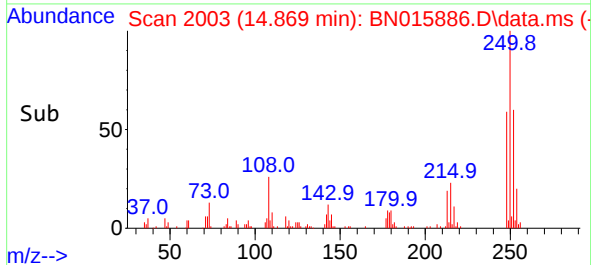
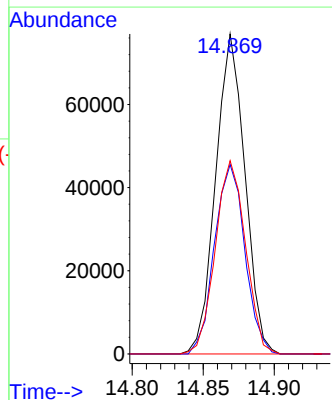
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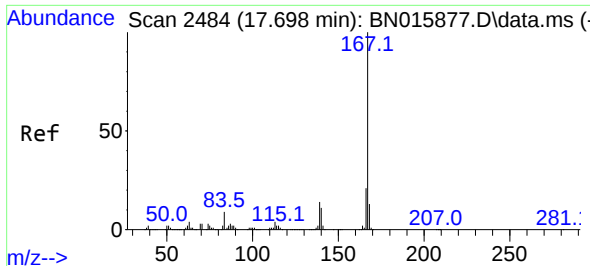


#76
Pentachlorobenzene
Concen: 4.509 ng/uL
RT: 14.869 min Scan# 2003
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

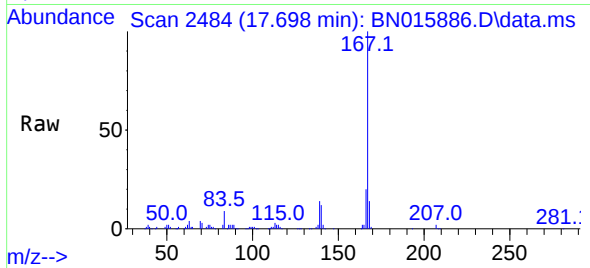


Tgt Ion:250 Resp: 110158
Ion Ratio Lower Upper
250 100
248 59.2 51.9 77.9
252 60.4 54.7 82.1

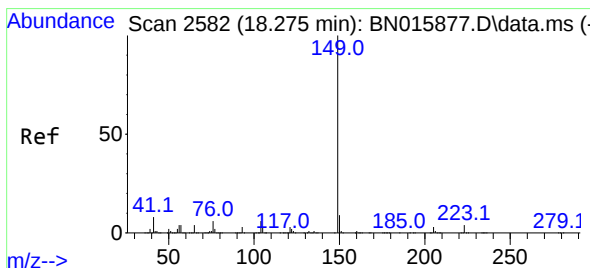
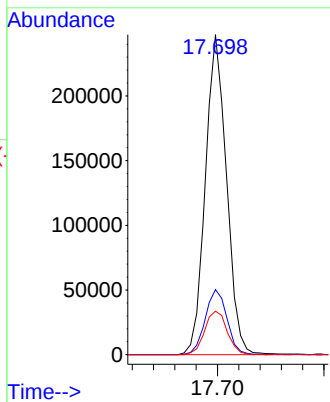
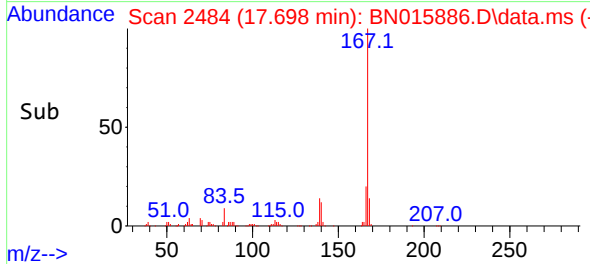




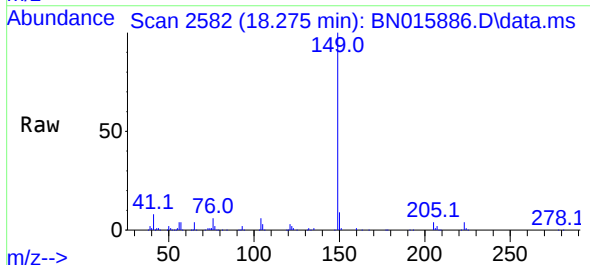
#77
 Carbazole
 Concen: 4.398 ng/ul
 RT: 17.698 min Scan# 2484
 Delta R.T. -0.000 min
 Lab File: BN015886.D
 Acq: 16 Aug 2021 19:58



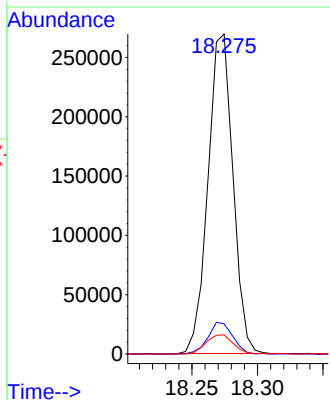
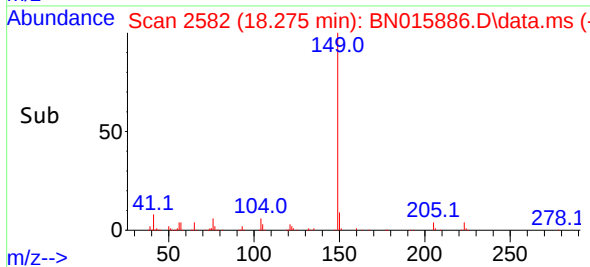
Tgt Ion:167 Resp: 341990
 Ion Ratio Lower Upper
 167 100
 166 20.3 17.1 25.7
 139 13.6 11.6 17.4



#78
 Di-n-butylphthalate
 Concen: 4.031 ng/ul
 RT: 18.275 min Scan# 2582
 Delta R.T. -0.000 min
 Lab File: BN015886.D
 Acq: 16 Aug 2021 19:58



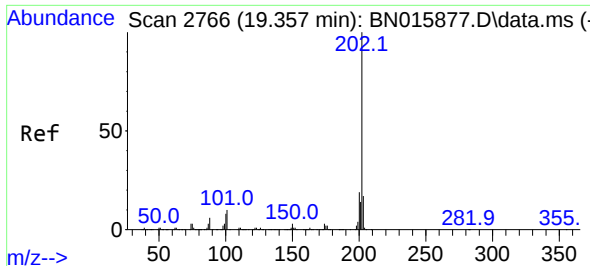
Tgt Ion:149 Resp: 356364
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.5 11.3
 104 6.0 5.0 7.4



Instrument :
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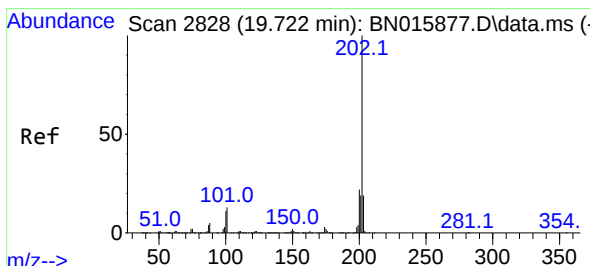
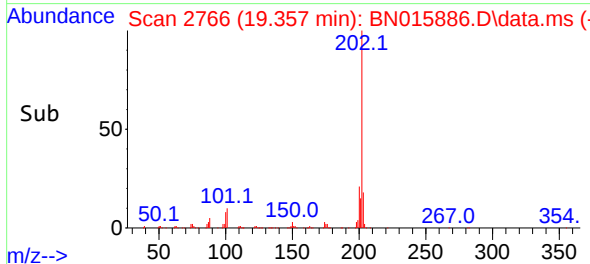
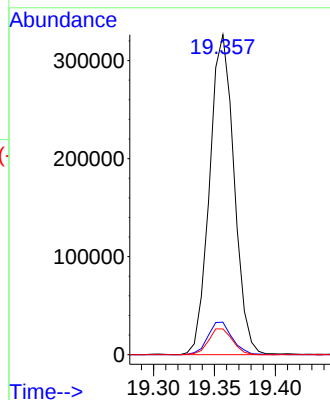
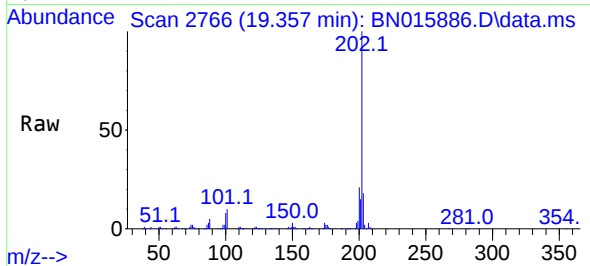
#80
Fluoranthene
Concen: 4.428 ng/ul
RT: 19.357 min Scan# 2766
Delta R.T. -0.000 min
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Tgt Ion:202 Resp: 457760
Ion Ratio Lower Upper
202 100
101 10.2 8.0 12.0
100 8.1 6.7 10.1

Instrument :
BNA_N
ClientSampleId :
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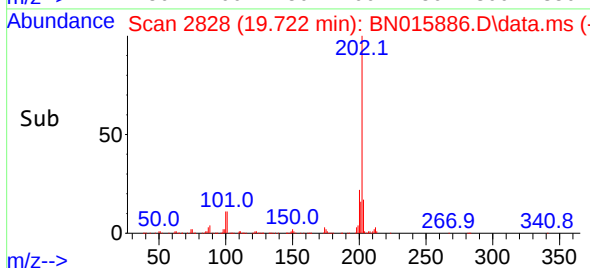
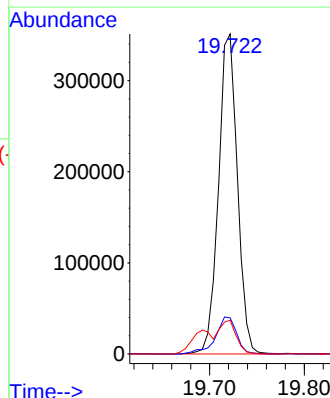
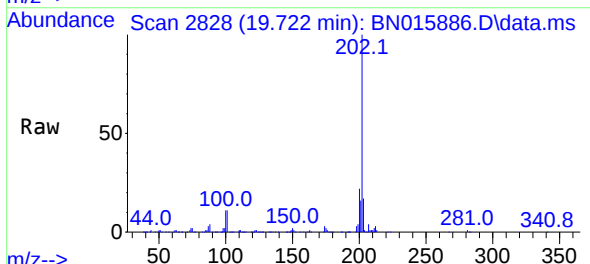
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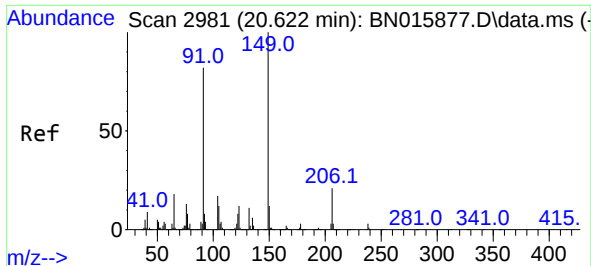
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#82
Pyrene
Concen: 4.536 ng/ul
RT: 19.722 min Scan# 2828
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

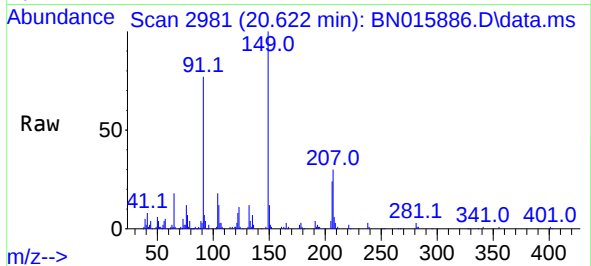
Tgt Ion:202 Resp: 488054
Ion Ratio Lower Upper
202 100
101 11.3 10.1 15.1
100 10.5 9.2 13.8





#83
Butylbenzylphthalate
Concen: 3.879 ng/ul
RT: 20.622 min Scan# 2981
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

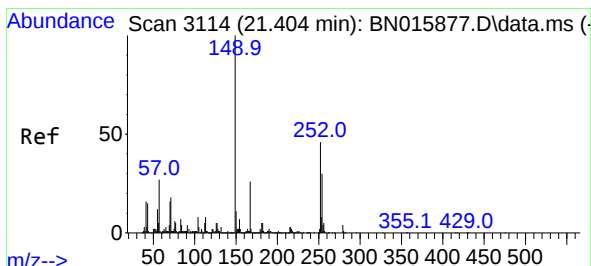
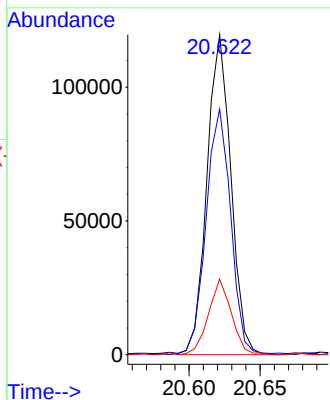
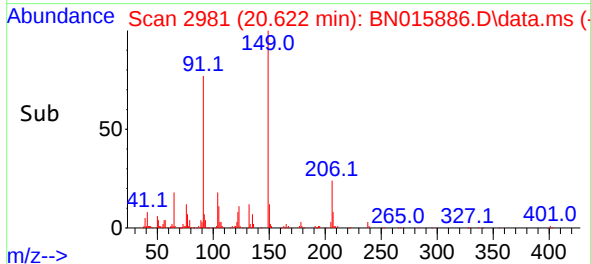
Instrument :
BNA_N
ClientSampleId :
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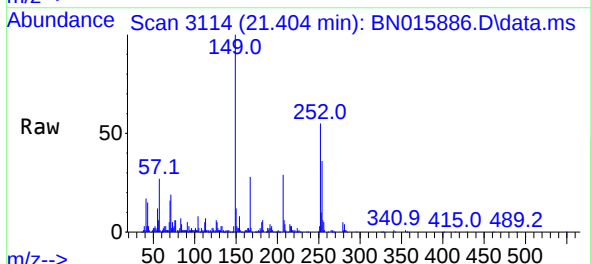
Tgt Ion:149 Resp: 140370
Ion Ratio Lower Upper
149 100
91 76.8 65.2 97.8
206 23.6 17.1 25.7

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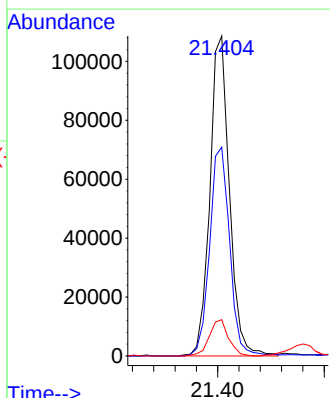
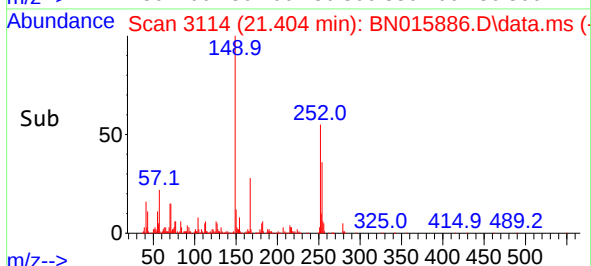
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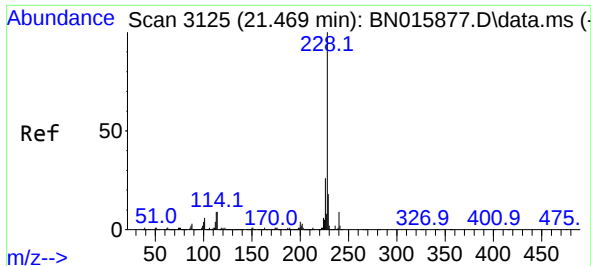


#84
3,3'-Dichlorobenzidine
Concen: 4.265 ng/ul
RT: 21.404 min Scan# 3114
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58



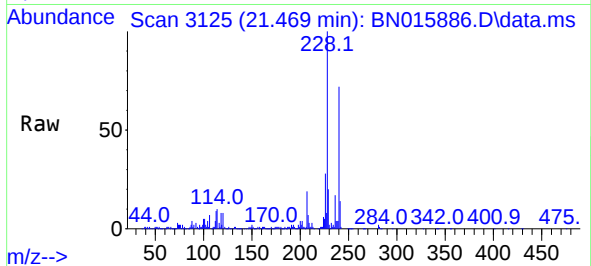
Tgt Ion:252 Resp: 138552
Ion Ratio Lower Upper
252 100
254 65.2 52.0 78.0
126 11.3 8.5 12.7





#85
Benzo(a)anthracene
Concen: 4.491 ng/ul
RT: 21.469 min Scan# 3125
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

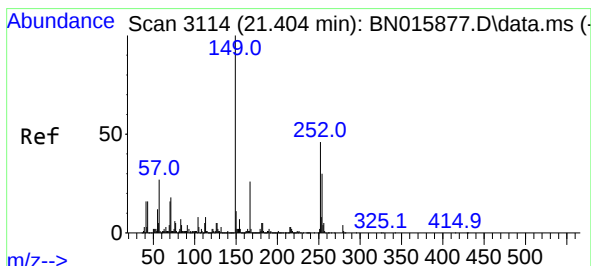
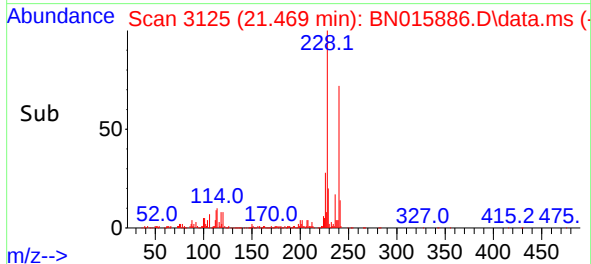
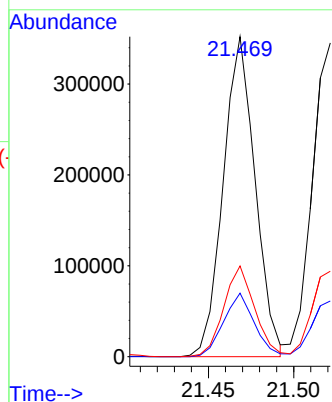
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:228 Resp: 458391
Ion Ratio Lower Upper
228 100
229 19.9 14.5 21.7
226 28.4 20.9 31.3

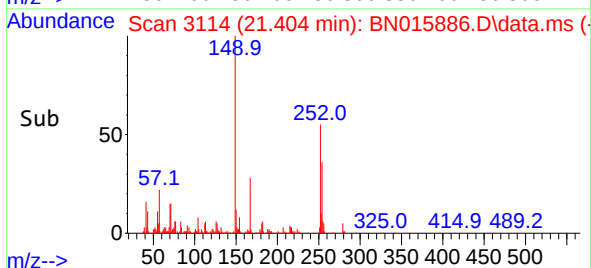
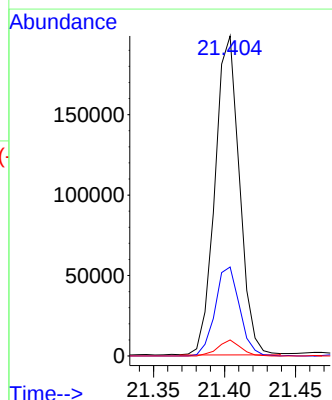
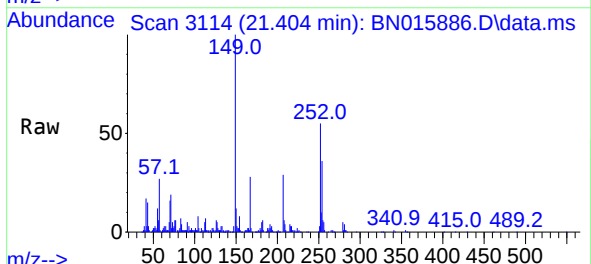
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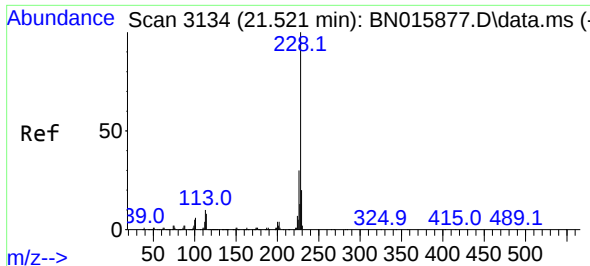
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#86
Bis(2-ethylhexyl)phthalate
Concen: 4.141 ng/ul
RT: 21.404 min Scan# 3114
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

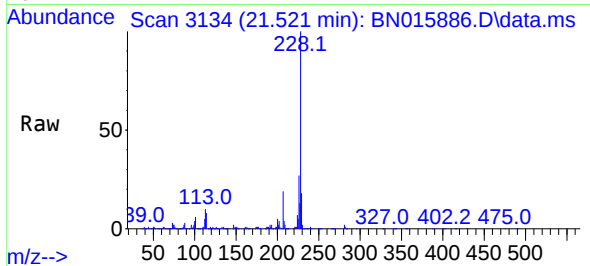
Tgt Ion:149 Resp: 237654
Ion Ratio Lower Upper
149 100
167 27.8 20.6 30.8
279 5.0 3.4 5.2





#87
Chrysene
Concen: 4.635 ng/ul
RT: 21.521 min Scan# 3134
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

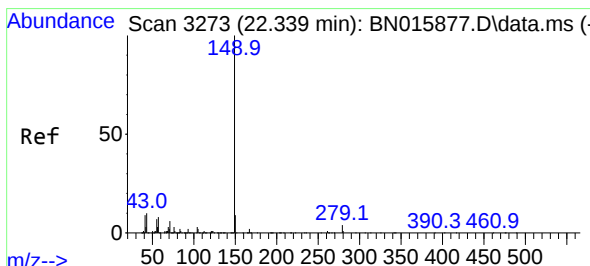
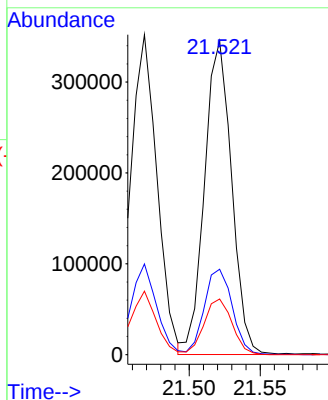
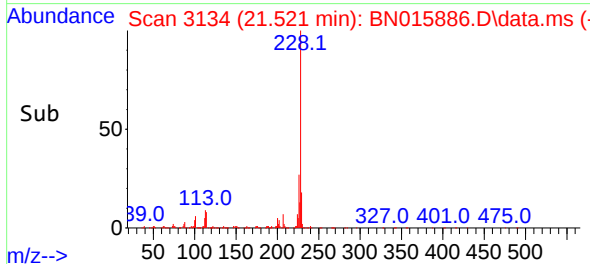
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:228 Resp: 458054
Ion Ratio Lower Upper
228 100
226 27.2 24.2 36.2
229 17.8 15.9 23.9

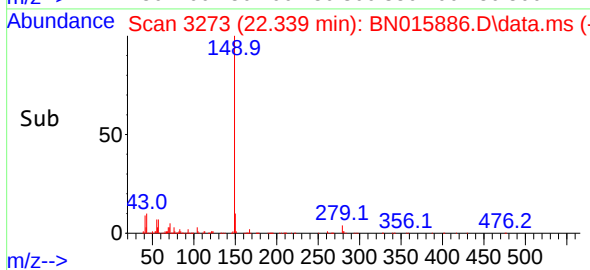
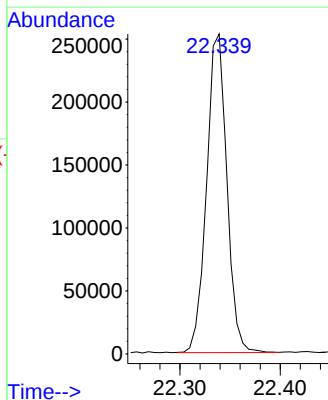
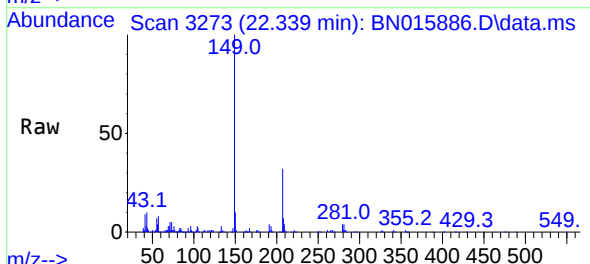
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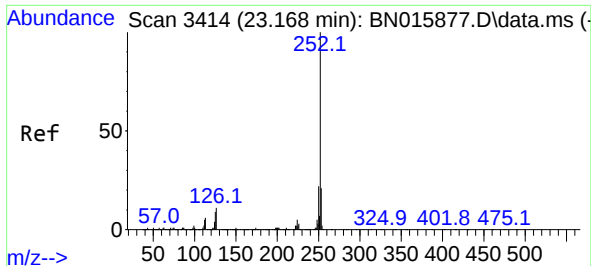
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#89
Di-n-octyl phthalate
Concen: 3.706 ng/ul
RT: 22.339 min Scan# 3273
Delta R.T. -0.000 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

Tgt Ion:149 Resp: 356332





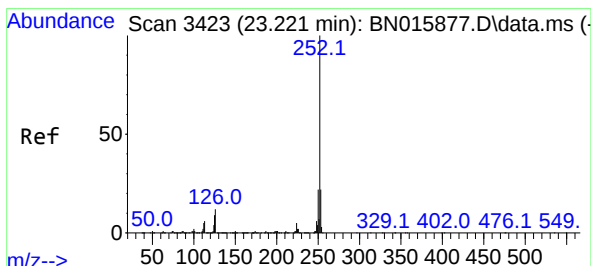
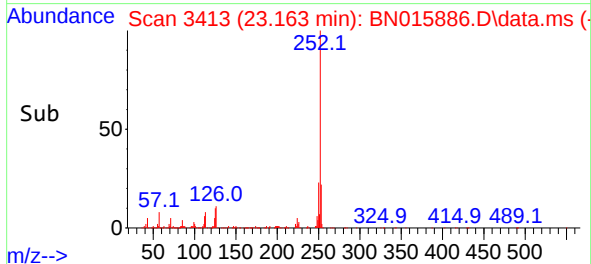
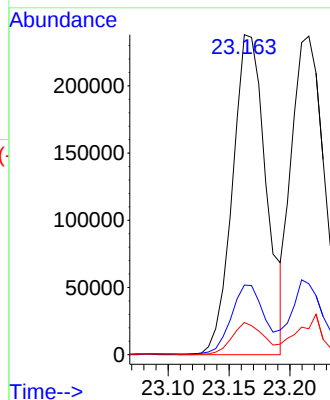
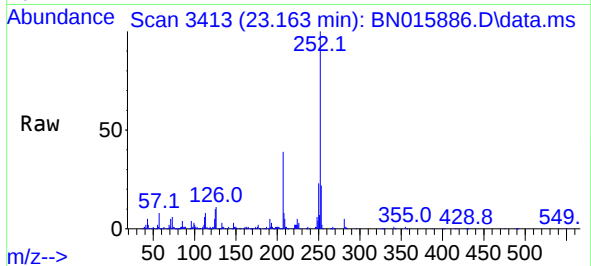
#90
Benzo(b)fluoranthene
Concen: 4.597 ng/ul
RT: 23.163 min Scan# 3413
Delta R.T. -0.006 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

Tgt Ion:252 Resp: 459207
Ion Ratio Lower Upper
252 100
253 21.8 16.6 25.0
125 10.1 7.1 10.7

Instrument :
BNA_N
ClientSampleId :
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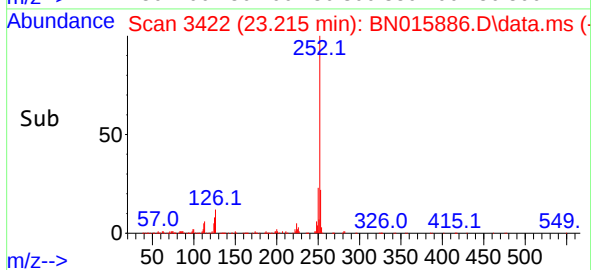
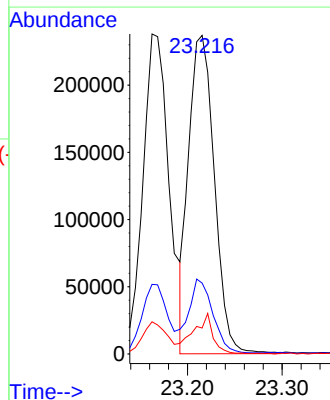
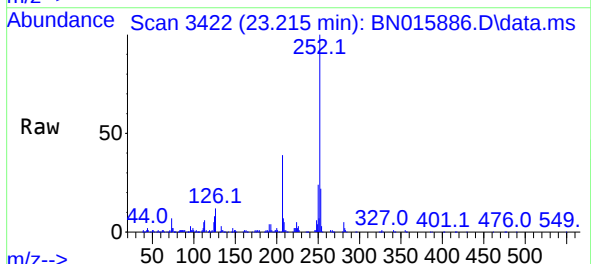
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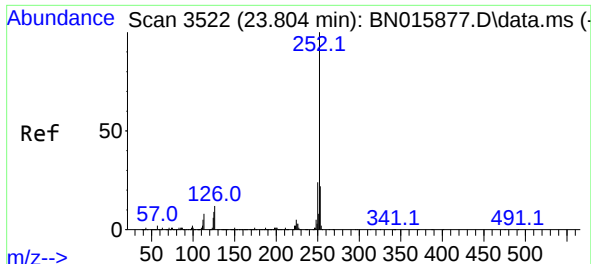
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#91
Benzo(k)fluoranthene
Concen: 4.496 ng/ul
RT: 23.215 min Scan# 3422
Delta R.T. -0.006 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

Tgt Ion:252 Resp: 447078
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 8.1 7.0 10.6





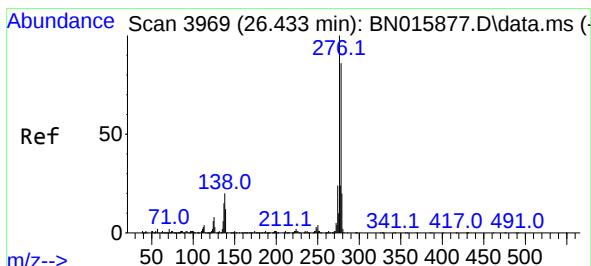
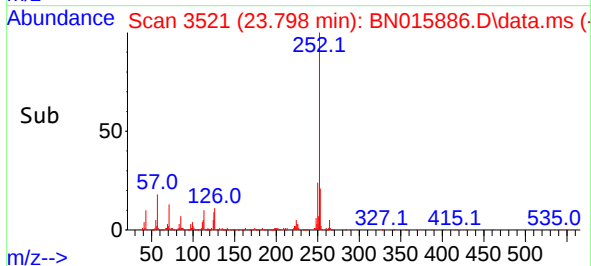
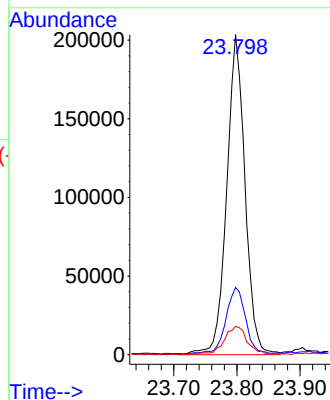
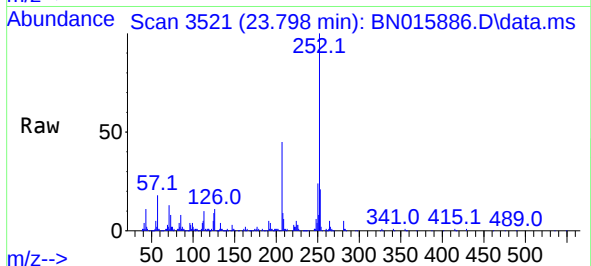
#93
Benzo(a)pyrene
Concen: 4.534 ng/ul
RT: 23.798 min Scan# 3521
Delta R.T. -0.006 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

Tgt Ion:252 Resp: 409942
Ion Ratio Lower Upper
252 100
253 21.0 18.0 27.0
125 8.9 7.2 10.8

Instrument :
BNA_N
ClientSampleId :
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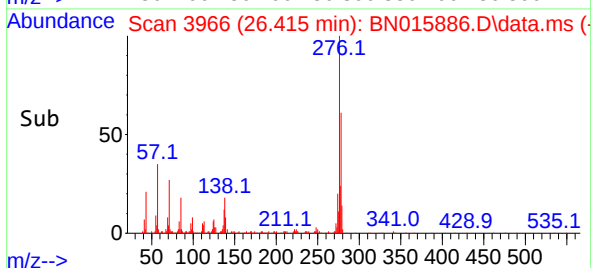
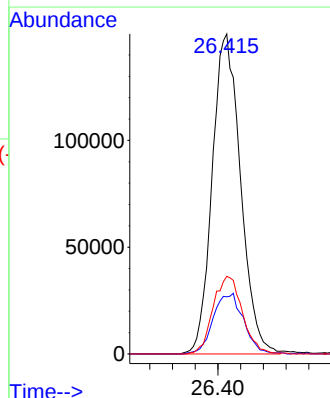
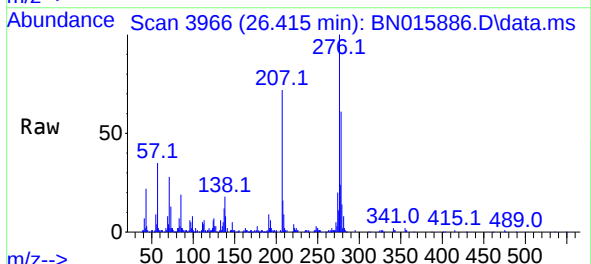
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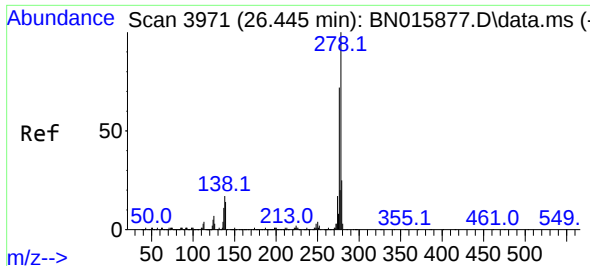
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#94
Indeno(1,2,3-cd)pyrene
Concen: 4.631 ng/ul
RT: 26.415 min Scan# 3966
Delta R.T. -0.018 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

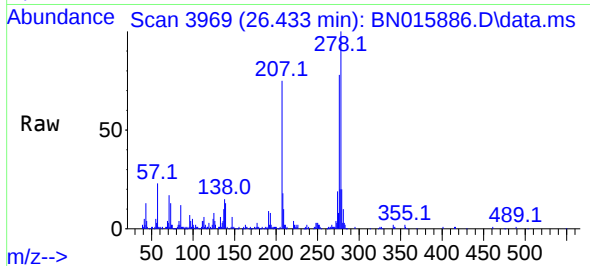
Tgt Ion:276 Resp: 519200
Ion Ratio Lower Upper
276 100
138 17.9 15.9 23.9
277 24.2 19.5 29.3





#95
Dibenzo(a,h)anthracene
Concen: 4.700 ng/ul
RT: 26.433 min Scan# 3969
Delta R.T. -0.012 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58

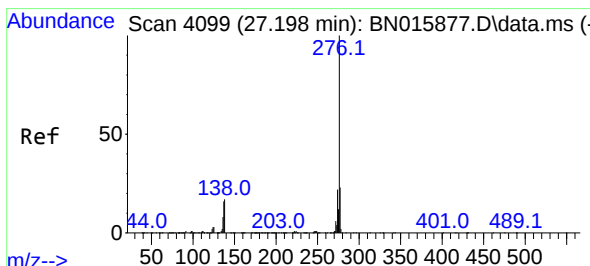
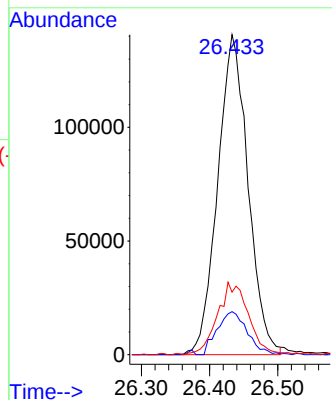
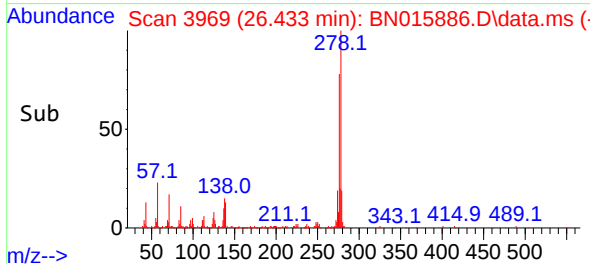
Instrument :
BNA_N
ClientSampleId :
MDL-MED-SOIL-QT3-2021-05



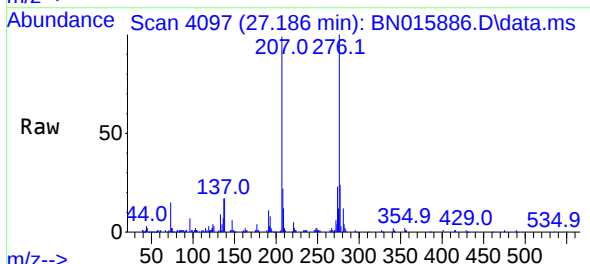
Tgt Ion:278 Resp: 434998
Ion Ratio Lower Upper
278 100
139 13.4 11.0 16.6
279 19.5 19.9 29.9#

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#96
Benzo(g,h,i)perylene
Concen: 4.430 ng/ul
RT: 27.186 min Scan# 4097
Delta R.T. -0.012 min
Lab File: BN015886.D
Acq: 16 Aug 2021 19:58



Tgt Ion:276 Resp: 410624
Ion Ratio Lower Upper
276 100
138 16.9 13.4 20.0
277 24.2 18.5 27.7

