

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081624\
 Data File : BM047231.D
 Acq On : 16 Aug 2024 12:26
 Operator : RC/JU
 Sample : PB162729BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB162729BS

Quant Time: Aug 16 13:24:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Aug 11 23:47:58 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.363	152	357944	20.000	ng	-0.01
21) Naphthalene-d8	10.116	136	1247595	20.000	ng	-0.02
39) Acenaphthene-d10	14.022	164	690408	20.000	ng	-0.01
64) Phenanthrene-d10	16.786	188	1230071	20.000	ng	0.00
76) Chrysene-d12	21.021	240	922113	20.000	ng	-0.01
86) Perylene-d12	23.715	264	1160775	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.022	112	2398005	119.707	ng	0.00
7) Phenol-d6	6.581	99	2944002	106.656	ng	0.00
23) Nitrobenzene-d5	8.516	82	1982103	79.998	ng	0.00
42) 2,4,6-Tribromophenol	15.533	330	932623	116.499	ng	0.00
45) 2-Fluorobiphenyl	12.633	172	4015027	89.705	ng	-0.01
79) Terphenyl-d14	19.451	244	4496493	104.487	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.034	88	260964	31.441	ng	98
3) Pyridine	3.405	79	693029	28.474	ng	98
4) n-Nitrosodimethylamine	3.322	42	421855	39.672	ng	98
6) Aniline	6.716	93	676826	25.942	ng	99
8) 2-Chlorophenol	6.940	128	977794	44.753	ng	99
9) Benzaldehyde	6.528	77	357044	20.407	ng	99
10) Phenol	6.604	94	1093647	39.707	ng	99
11) bis(2-Chloroethyl)ether	6.816	93	958992	40.658	ng	99
12) 1,3-Dichlorobenzene	7.251	146	1104335	42.535	ng	98
13) 1,4-Dichlorobenzene	7.398	146	1115316	42.428	ng	99
14) 1,2-Dichlorobenzene	7.704	146	1071974	43.220	ng	99
15) Benzyl Alcohol	7.616	79	827455	42.121	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.887	45	1229978	40.638	ng	99
17) 2-Methylphenol	7.828	107	730073	39.732	ng	99
18) Hexachloroethane	8.416	117	430463	42.275	ng	95
19) n-Nitroso-di-n-propyla...	8.175	70	675376	36.325	ng	99
20) 3+4-Methylphenols	8.157	107	976804	38.025	ng	99
22) Acetophenone	8.187	105	1206964	40.079	ng	99
24) Nitrobenzene	8.557	77	1046069	41.928	ng	97
25) Isophorone	9.081	82	1820781	42.206	ng	99
26) 2-Nitrophenol	9.251	139	536111	48.521	ng	96
27) 2,4-Dimethylphenol	9.334	122	622635	48.107	ng	98
28) bis(2-Chloroethoxy)met...	9.563	93	1178827	43.427	ng	99
29) 2,4-Dichlorophenol	9.787	162	889347	46.311	ng	97
30) 1,2,4-Trichlorobenzene	9.986	180	1016804	46.787	ng	99
31) Naphthalene	10.169	128	2681944	43.152	ng	100
32) Benzoic acid	9.516	122	556419	37.004	ng	97
33) 4-Chloroaniline	10.292	127	473858	19.826	ng	100
34) Hexachlorobutadiene	10.451	225	618503	48.623	ng	99
35) Caprolactam	11.104	113	215301m	32.283	ng	
36) 4-Chloro-3-methylphenol	11.445	107	788953	38.576	ng	99
37) 2-Methylnaphthalene	11.792	142	1827193	41.291	ng	99
38) 1-Methylnaphthalene	12.022	142	1691354	38.674	ng	97
40) 1,2,4,5-Tetrachloroben...	12.180	216	928082	49.284	ng	99
41) Hexachlorocyclopentadiene	12.151	237	916634	139.399	ng	97
43) 2,4,6-Trichlorophenol	12.439	196	668264	49.928	ng	99

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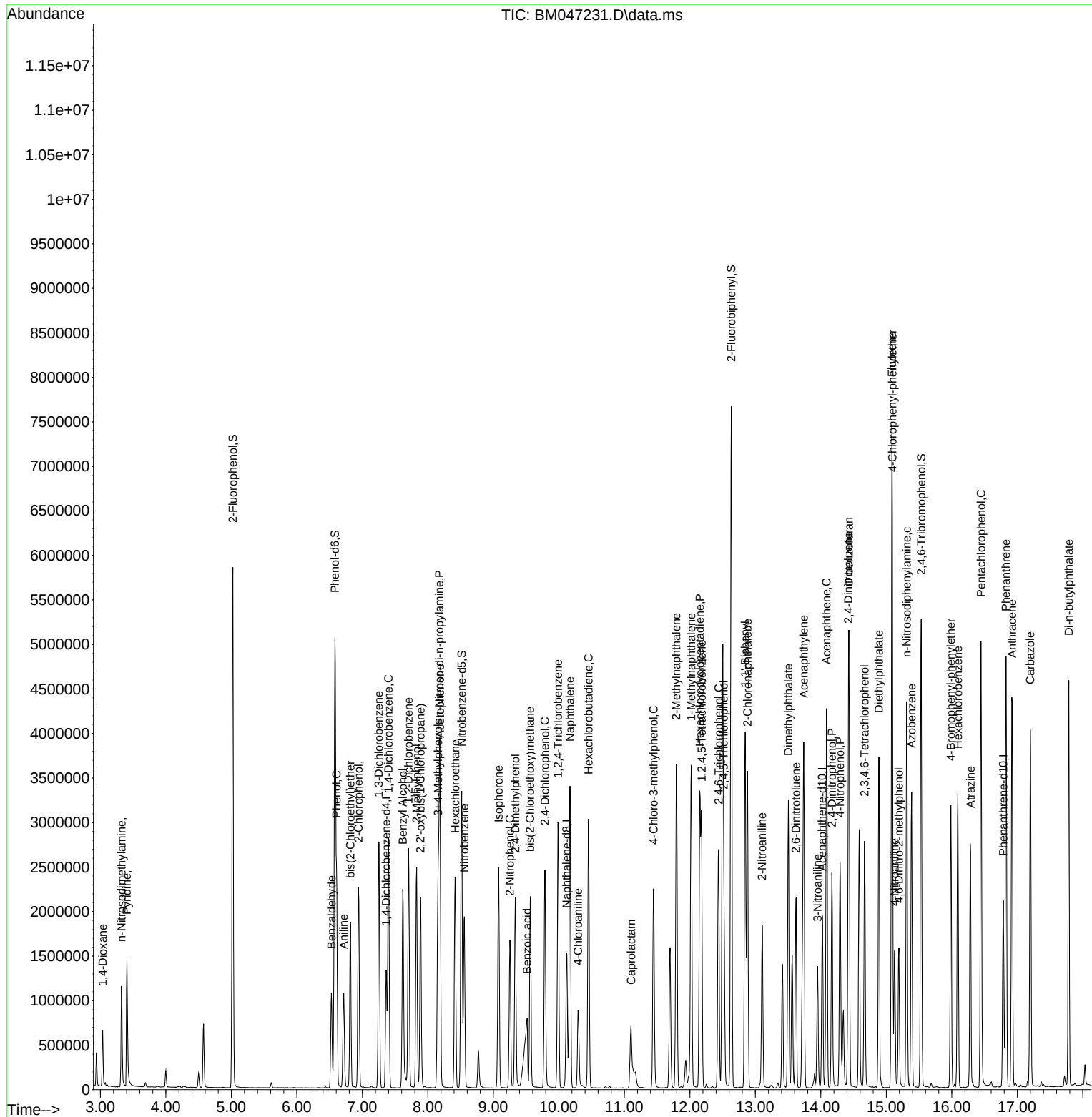
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.516	196	655444	44.105	ng	98
46) 1,1'-Biphenyl	12.845	154	2119379	43.120	ng	99
47) 2-Chloronaphthalene	12.880	162	1758166	45.766	ng	99
48) 2-Nitroaniline	13.104	65	505583	42.008	ng	99
49) Acenaphthylene	13.739	152	2706026	47.786	ng	100
50) Dimethylphthalate	13.504	163	2062894	42.782	ng	99
51) 2,6-Dinitrotoluene	13.622	165	458252	40.655	ng	92
52) Acenaphthene	14.086	154	1566021	43.597	ng	99
53) 3-Nitroaniline	13.951	138	333006	29.483	ng	97
54) 2,4-Dinitrophenol	14.169	184	532030	78.753	ng	94
55) Dibenzofuran	14.427	168	2487758	43.846	ng	99
56) 4-Nitrophenol	14.292	139	703037	72.184	ng	96
57) 2,4-Dinitrotoluene	14.422	165	585323	38.905	ng	97
58) Fluorene	15.086	166	1924114	41.100	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.669	232	550877	45.104	ng	95
60) Diethylphthalate	14.886	149	1996538	40.547	ng	99
61) 4-Chlorophenyl-phenyle...	15.092	204	964358	43.269	ng	97
62) 4-Nitroaniline	15.127	138	376659	33.850	ng	100
63) Azobenzene	15.386	77	1873443	40.127	ng	97
65) 4,6-Dinitro-2-methylph...	15.192	198	348978	48.457	ng	92
66) n-Nitrosodiphenylamine	15.310	169	1641247	48.986	ng	100
67) 4-Bromophenyl-phenylether	15.986	248	604394	50.990	ng	98
68) Hexachlorobenzene	16.092	284	683723	48.163	ng	96
69) Atrazine	16.286	200	486883	48.293	ng	98
70) Pentachlorophenol	16.445	266	850825	85.500	ng	99
71) Phenanthrene	16.827	178	2825756	45.774	ng	100
72) Anthracene	16.921	178	2802943	46.664	ng	100
73) Carbazole	17.198	167	2583371	42.123	ng	99
74) Di-n-butylphthalate	17.786	149	3217655	45.089	ng	99
75) Fluoranthene	18.862	202	3002840	39.992	ng	99
77) Benzidine	19.068	184	695227	44.459	ng	99
78) Pyrene	19.227	202	3114080	47.297	ng	99
80) Butylbenzylphthalate	20.168	149	1331059	49.537	ng	96
81) Benzo(a)anthracene	21.009	228	2906884	47.486	ng	99
82) 3,3'-Dichlorobenzidine	20.951	252	906917	47.351	ng	99
83) Chrysene	21.062	228	2728210	46.974	ng	99
84) Bis(2-ethylhexyl)phtha...	20.968	149	1894299	49.711	ng	99
85) Di-n-octyl phthalate	21.997	149	3280878	50.655	ng	99
87) Indeno(1,2,3-cd)pyrene	26.709	276	4379330	58.368	ng	99
88) Benzo(b)fluoranthene	22.874	252	3245694	47.084	ng	100
89) Benzo(k)fluoranthene	22.933	252	3175767	48.775	ng	99
90) Benzo(a)pyrene	23.592	252	3144612	52.660	ng	98
91) Dibenzo(a,h)anthracene	26.762	278	3494731	57.555	ng	99
92) Benzo(g,h,i)perylene	27.644	276	3545130	56.234	ng	100

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

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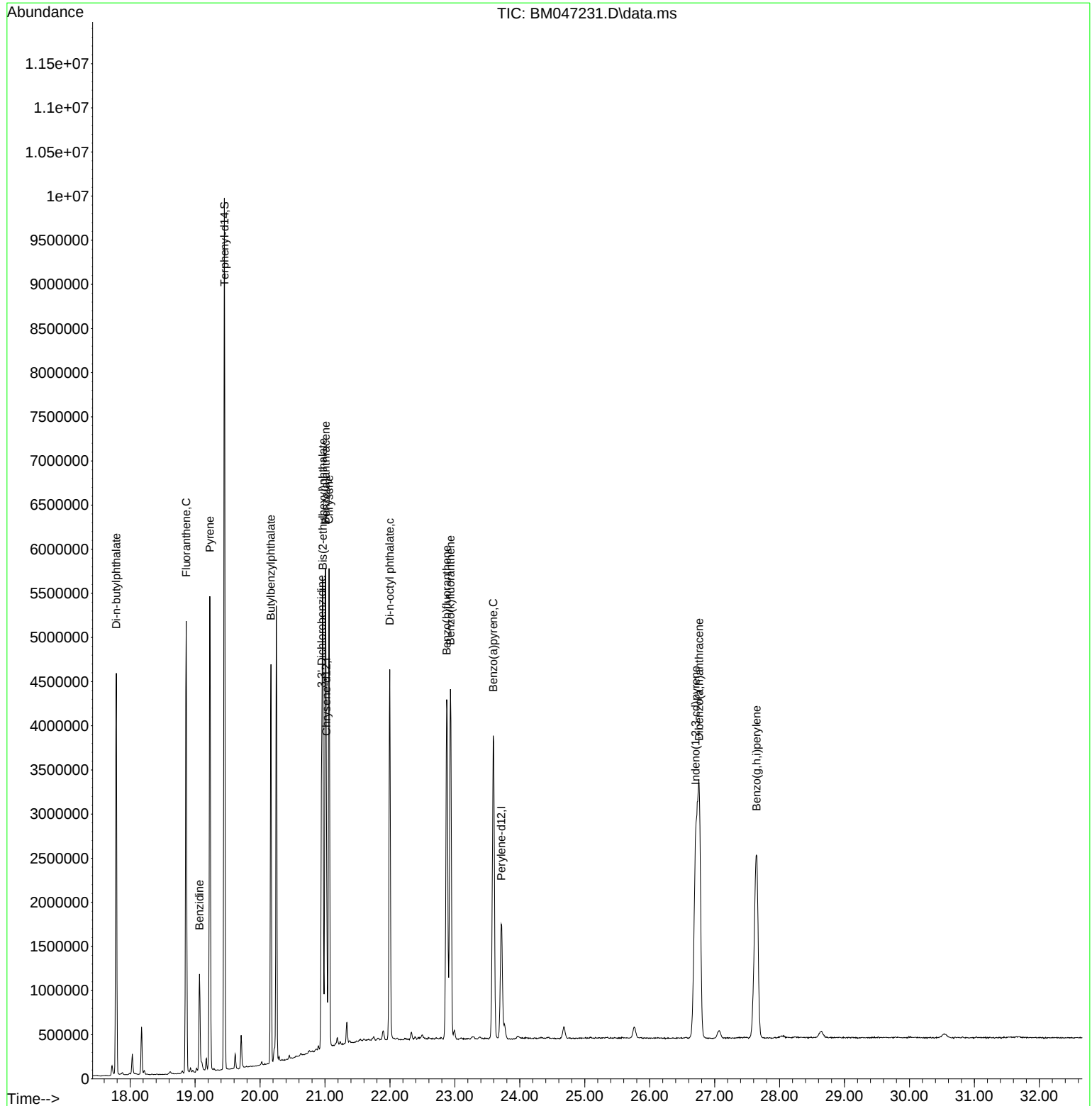
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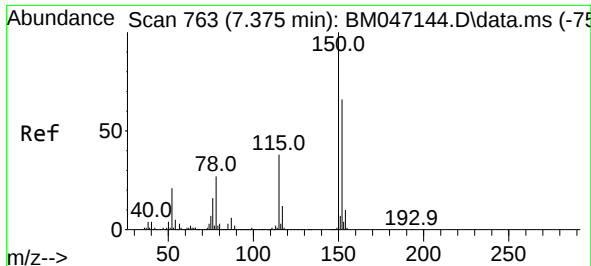


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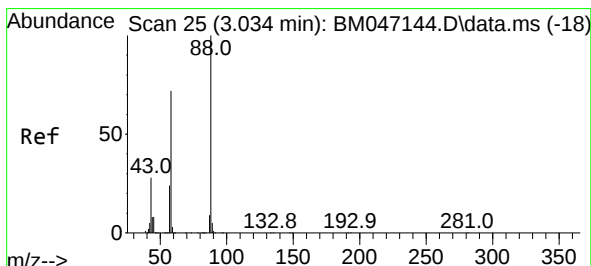
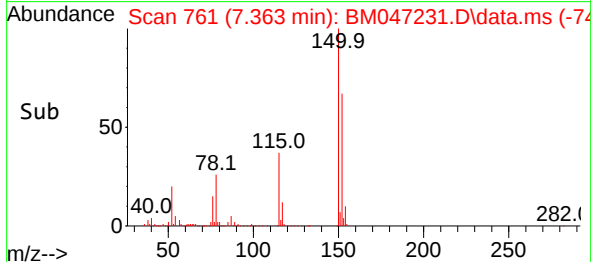
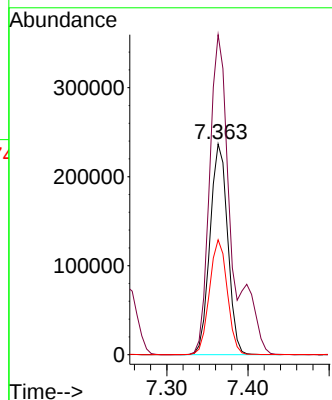
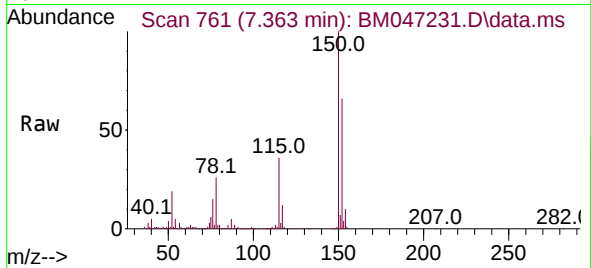




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.363 min Scan# 7
Delta R.T. -0.012 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

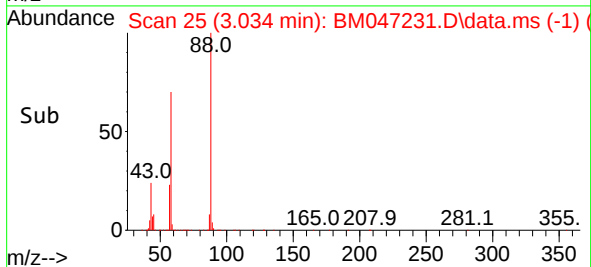
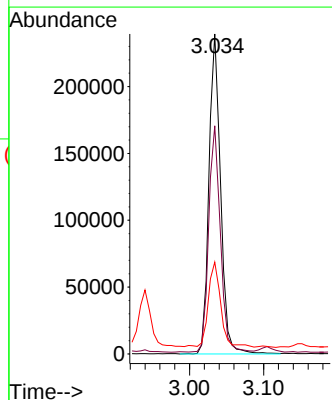
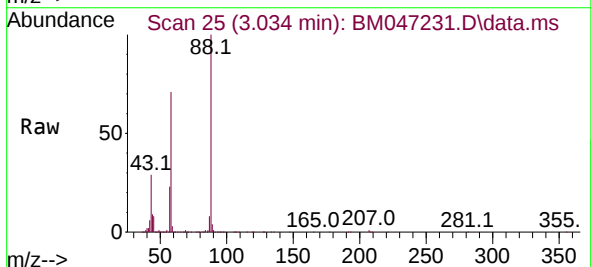
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Tgt Ion:152 Resp: 357944
Ion Ratio Lower Upper
152 100
150 151.9 120.5 180.7
115 54.5 45.5 68.3



#2
1,4-Dioxane
Concen: 31.441 ng
RT: 3.034 min Scan# 25
Delta R.T. -0.000 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

Tgt Ion: 88 Resp: 260964
Ion Ratio Lower Upper
88 100
58 70.8 58.2 87.4
43 28.4 22.5 33.7

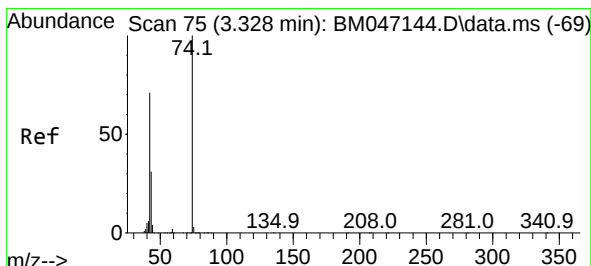
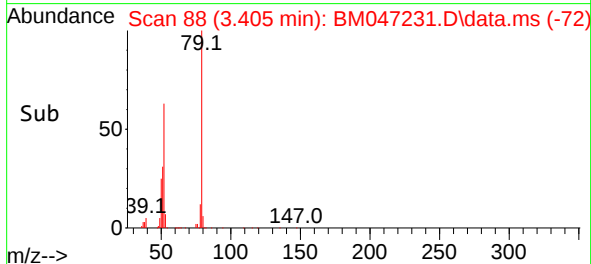
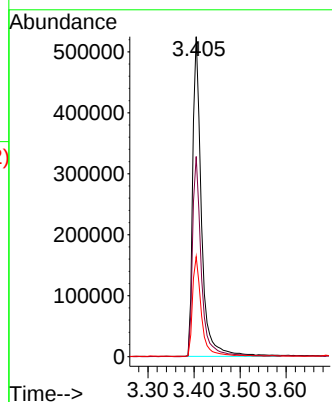
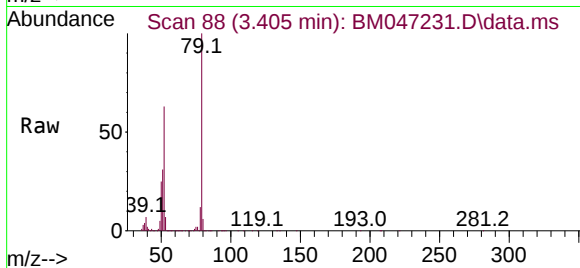




#3
 Pyridine
 Concen: 28.474 ng
 RT: 3.405 min Scan# 89
 Delta R.T. -0.006 min
 Lab File: BM047231.D
 Acq: 16 Aug 2024 12:26

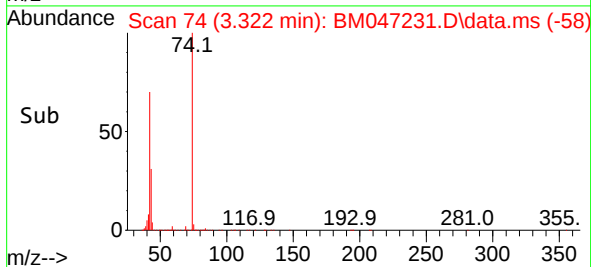
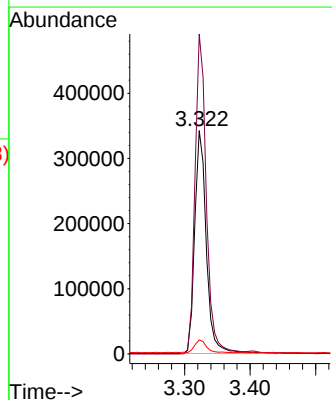
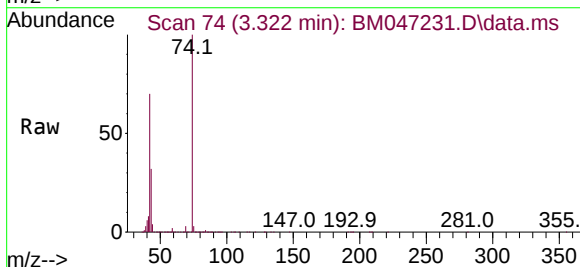
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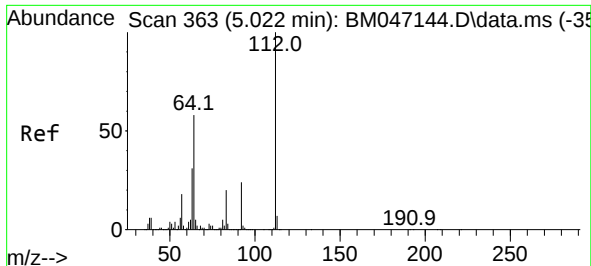
Tgt Ion: 79 Resp: 693029
 Ion Ratio Lower Upper
 79 100
 52 62.6 51.2 76.8
 51 31.2 26.1 39.1



#4
 n-Nitrosodimethylamine
 Concen: 39.672 ng
 RT: 3.322 min Scan# 74
 Delta R.T. -0.006 min
 Lab File: BM047231.D
 Acq: 16 Aug 2024 12:26

Tgt Ion: 42 Resp: 421855
 Ion Ratio Lower Upper
 42 100
 74 143.2 112.9 169.3
 44 6.3 5.3 7.9

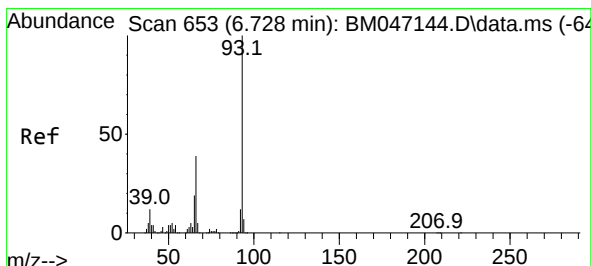
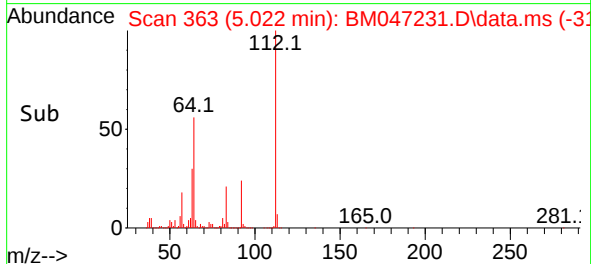
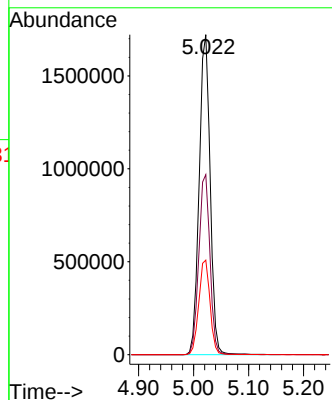
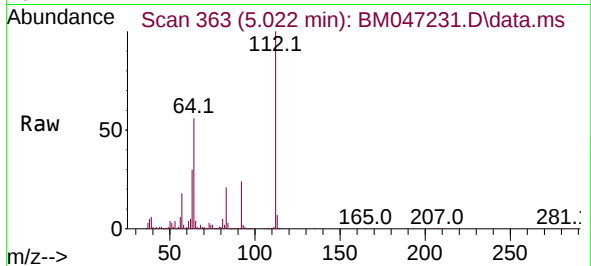




#5
2-Fluorophenol
Concen: 119.707 ng
RT: 5.022 min Scan# 30
Delta R.T. -0.000 min
Lab File: BM047231.D
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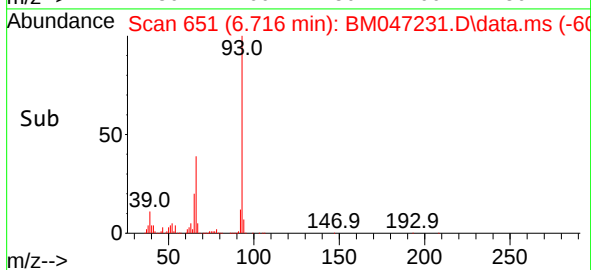
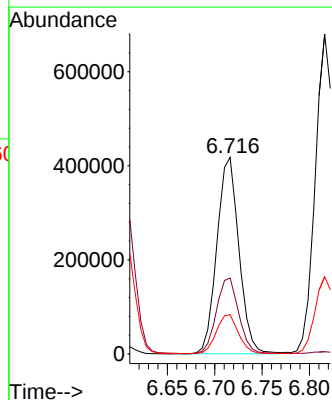
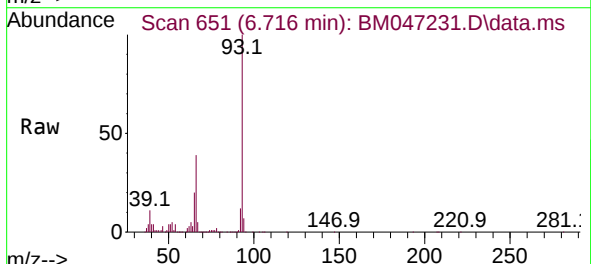
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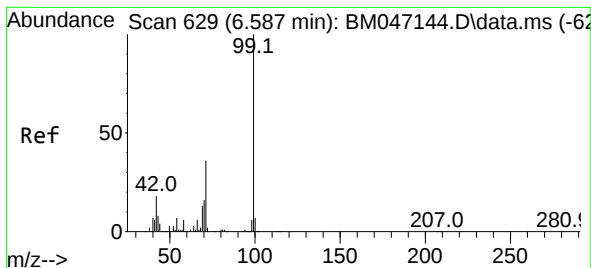
Tgt Ion:112 Resp: 2398005
Ion Ratio Lower Upper
112 100
64 56.2 46.7 70.1
63 29.6 24.8 37.2



#6
Aniline
Concen: 25.942 ng
RT: 6.716 min Scan# 651
Delta R.T. -0.012 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

Tgt Ion: 93 Resp: 676826
Ion Ratio Lower Upper
93 100
66 38.7 31.4 47.2
65 20.0 15.6 23.4





#7

Phenol-d6

Concen: 106.656 ng

RT: 6.581 min Scan# 61

Delta R.T. -0.006 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

Instrument :

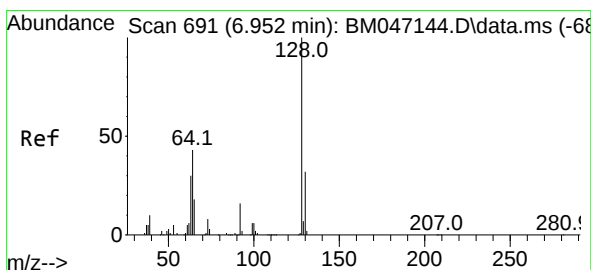
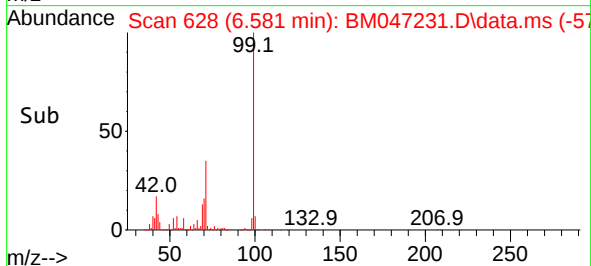
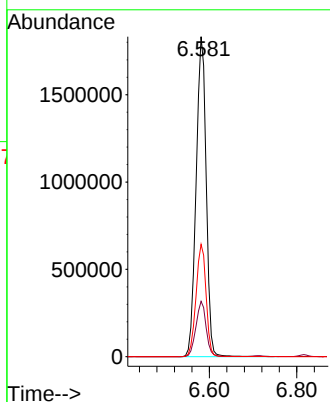
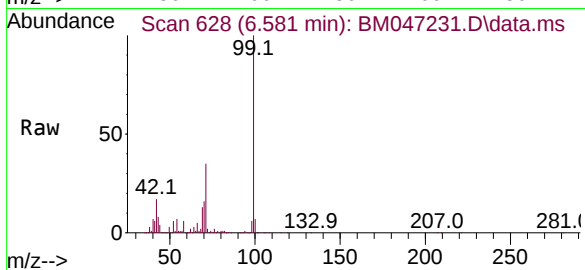
BNA_M

ClientSampleId :

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Tgt Ion: 99 Resp: 2944002

Ion	Ratio	Lower	Upper
99	100		
42	17.3	14.1	21.1
71	35.1	28.5	42.7



#8

2-Chlorophenol

Concen: 44.753 ng

RT: 6.940 min Scan# 689

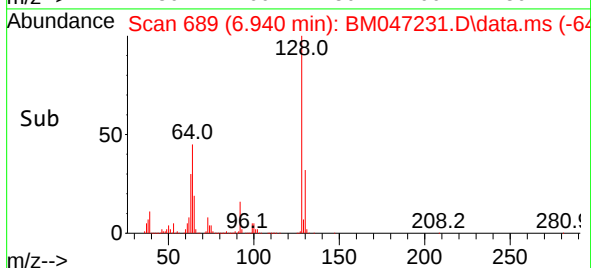
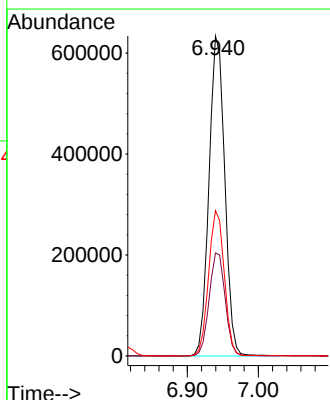
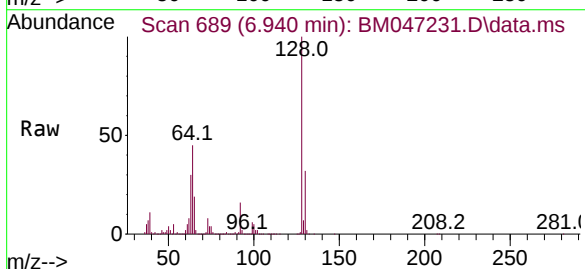
Delta R.T. -0.012 min

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Tgt Ion: 128 Resp: 977794

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.1	52.1
64	45.4	26.6	66.6

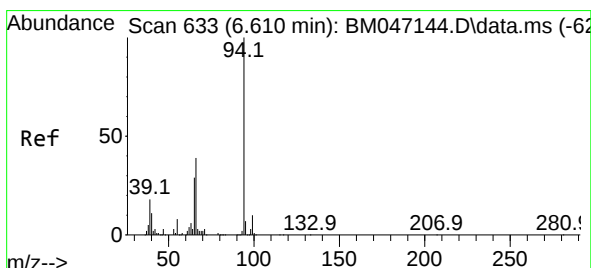
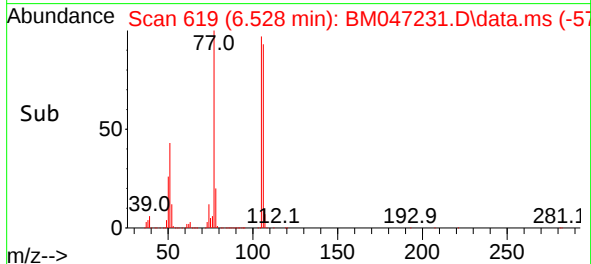
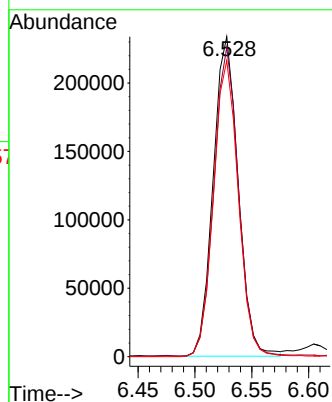
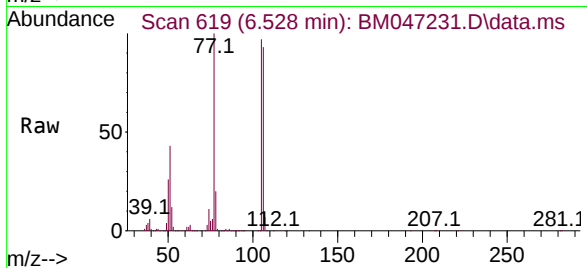




#9
Benzaldehyde
Concen: 20.407 ng
RT: 6.528 min Scan# 619
Delta R.T. -0.012 min
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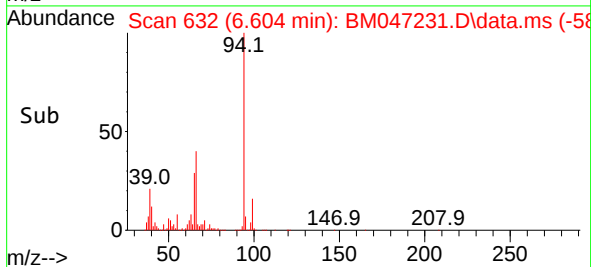
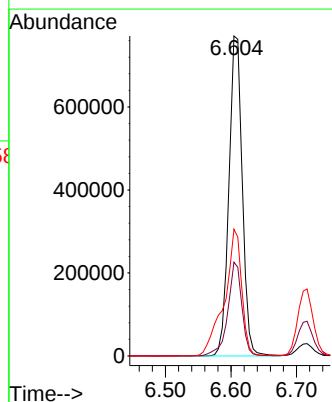
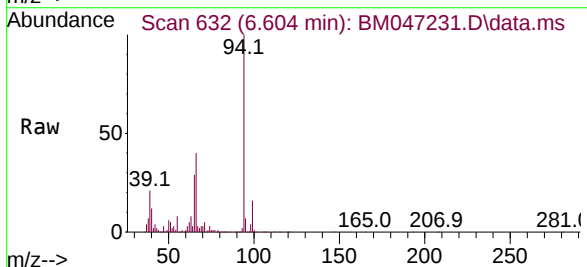
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ClientSampleId :
PB162729BS

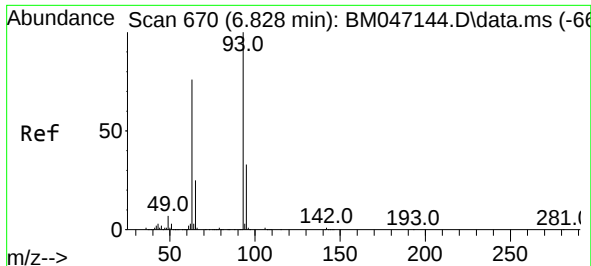
Tgt Ion: 77 Resp: 357044
Ion Ratio Lower Upper
77 100
105 96.7 74.5 114.5
106 92.6 72.3 112.3



#10
Phenol
Concen: 39.707 ng
RT: 6.604 min Scan# 632
Delta R.T. -0.006 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

Tgt Ion: 94 Resp: 1093647
Ion Ratio Lower Upper
94 100
65 29.3 9.0 49.0
66 39.6 18.9 58.9

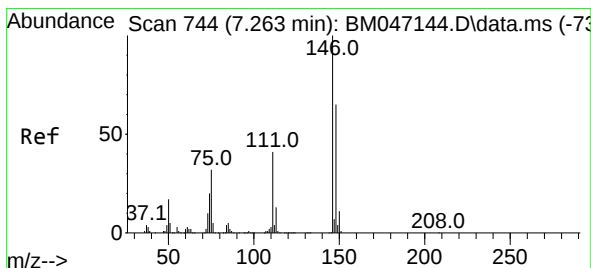
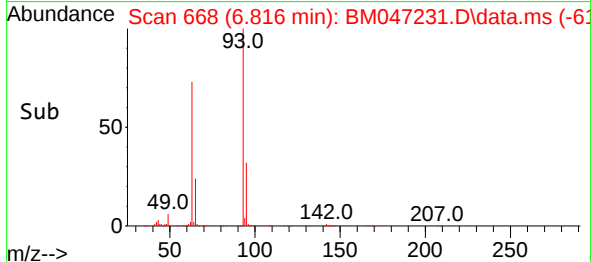
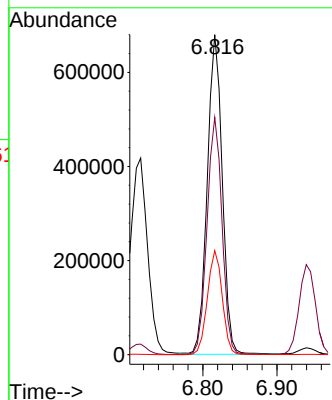
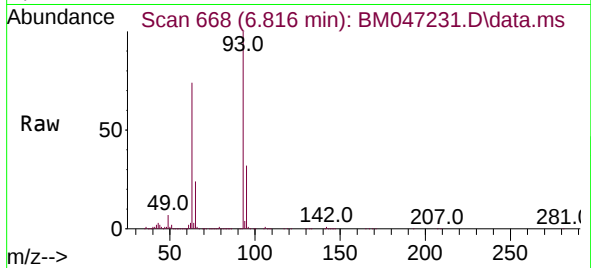




#11
bis(2-Chloroethyl)ether
Concen: 40.658 ng
RT: 6.816 min Scan# 610
Delta R.T. -0.012 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

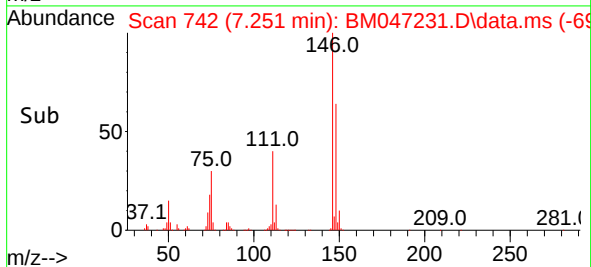
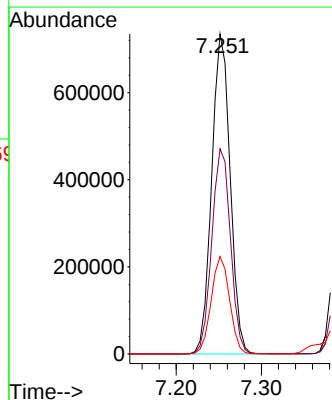
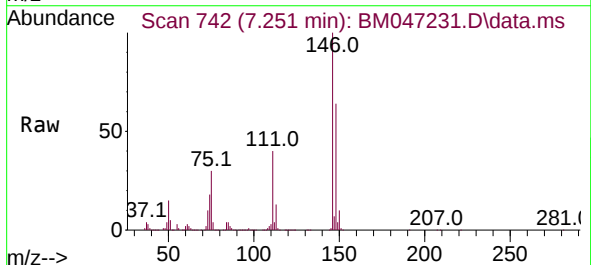
Instrument :
BNA_M
ClientSampleId :
PB162729BS

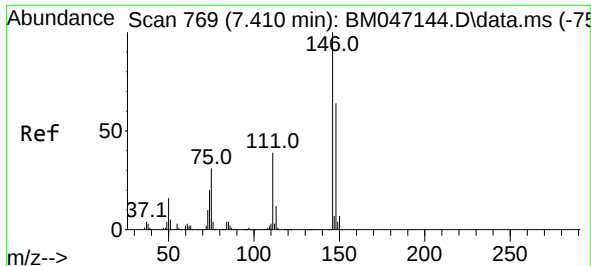
Tgt Ion: 93 Resp: 958992
Ion Ratio Lower Upper
93 100
63 74.1 55.8 95.8
95 32.5 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 42.535 ng
RT: 7.251 min Scan# 742
Delta R.T. -0.012 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

Tgt Ion: 146 Resp: 1104335
Ion Ratio Lower Upper
146 100
148 64.1 52.3 78.5
75 30.4 25.8 38.6

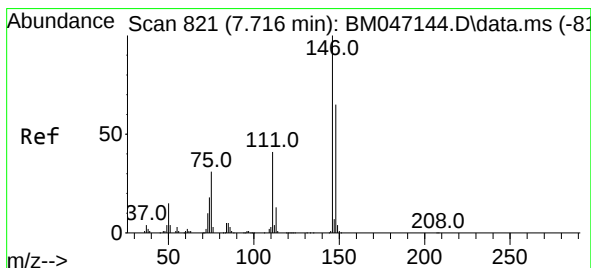
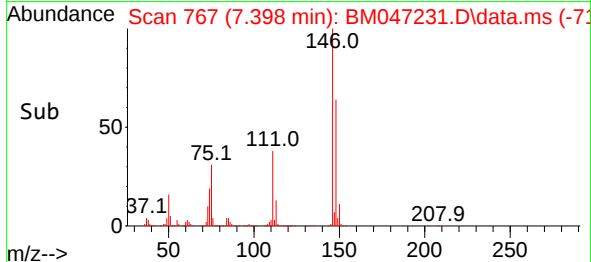
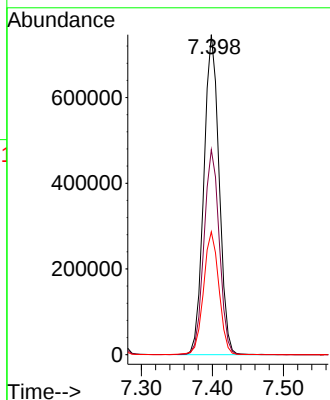
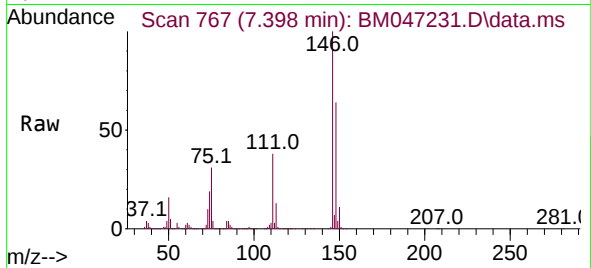




#13
1,4-Dichlorobenzene
Concen: 42.428 ng
RT: 7.398 min Scan# 701
Delta R.T. -0.012 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

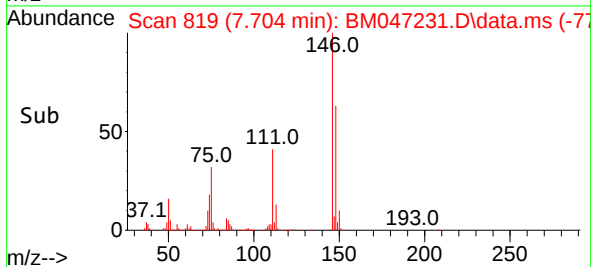
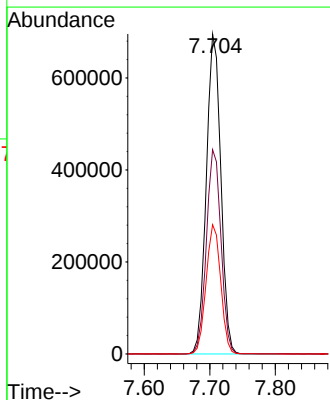
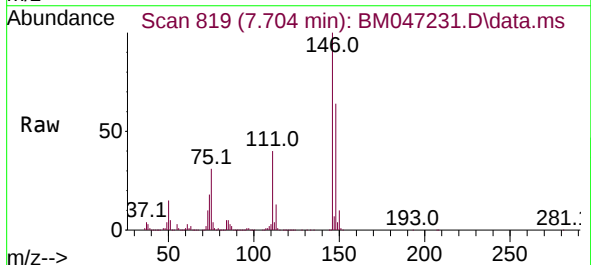
Instrument :
BNA_M
ClientSampleId :
PB162729BS

Tgt Ion:146 Resp: 1115316
Ion Ratio Lower Upper
146 100
148 64.0 51.4 77.2
111 38.4 31.5 47.3



#14
1,2-Dichlorobenzene
Concen: 43.220 ng
RT: 7.704 min Scan# 819
Delta R.T. -0.012 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

Tgt Ion:146 Resp: 1071974
Ion Ratio Lower Upper
146 100
148 63.9 51.8 77.8
111 40.4 33.3 49.9

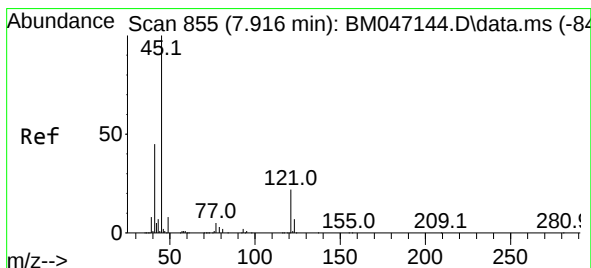
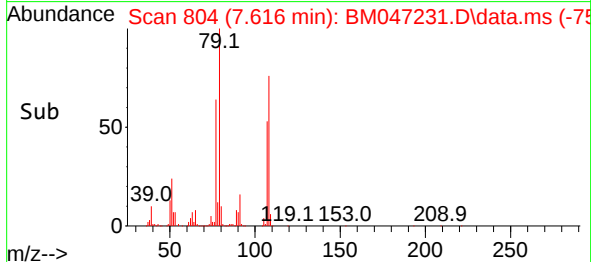
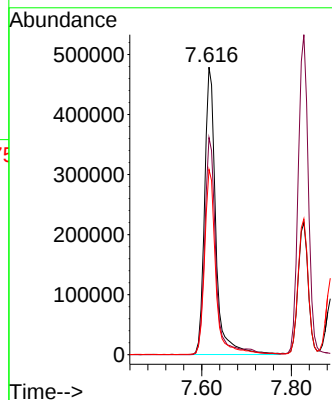
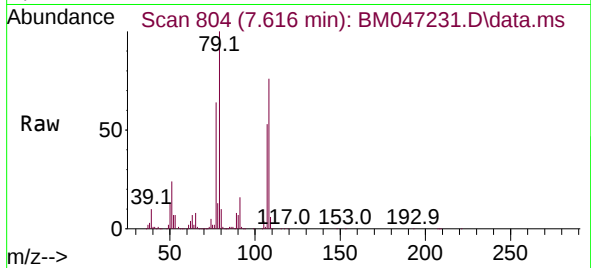




#15
Benzyl Alcohol
Concen: 42.121 ng
RT: 7.616 min Scan# 804
Delta R.T. -0.012 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

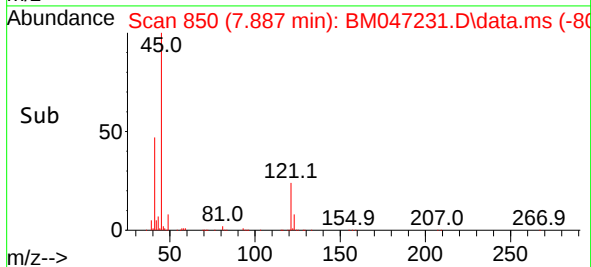
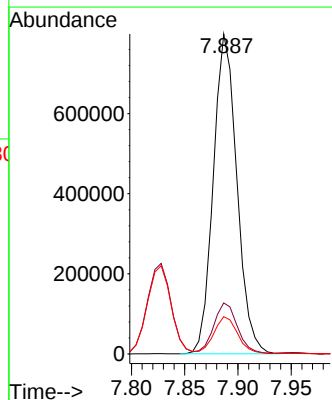
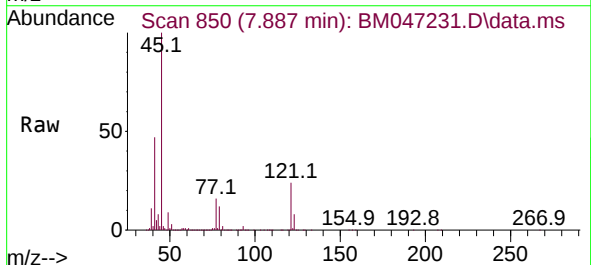
Instrument :
BNA_M
ClientSampleId :
PB162729BS

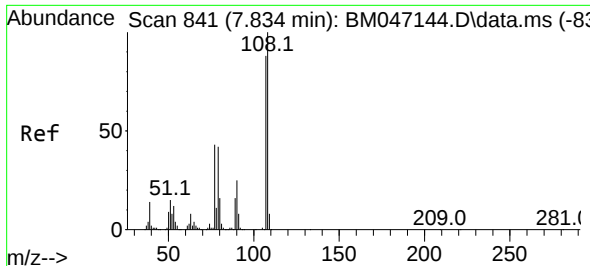
Tgt Ion: 79 Resp: 827455
Ion Ratio Lower Upper
79 100
108 75.5 59.7 89.5
77 64.4 52.9 79.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.638 ng
RT: 7.887 min Scan# 850
Delta R.T. -0.030 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

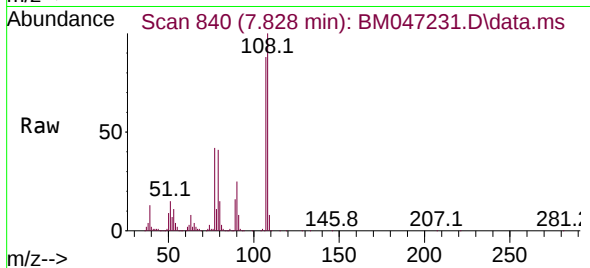
Tgt Ion: 45 Resp: 1229978
Ion Ratio Lower Upper
45 100
77 16.0 0.0 35.6
79 11.7 0.0 32.4



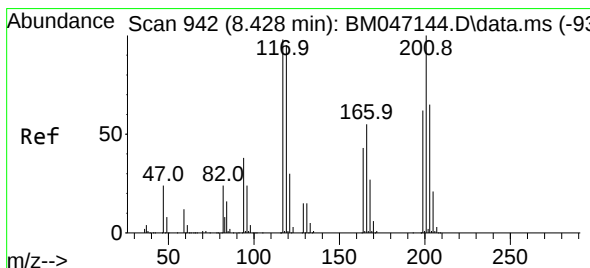
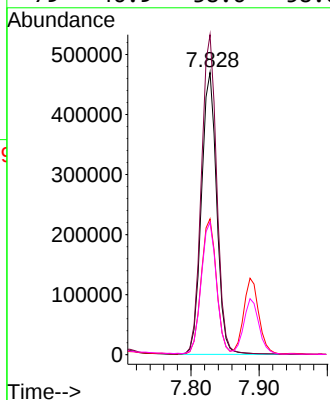
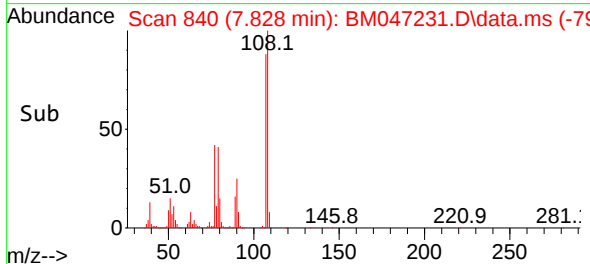


#17
2-Methylphenol
Concen: 39.732 ng
RT: 7.828 min Scan# 841
Delta R.T. -0.006 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

Instrument :
BNA_M
ClientSampleId :
PB162729BS

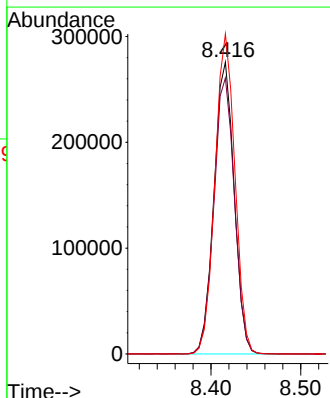
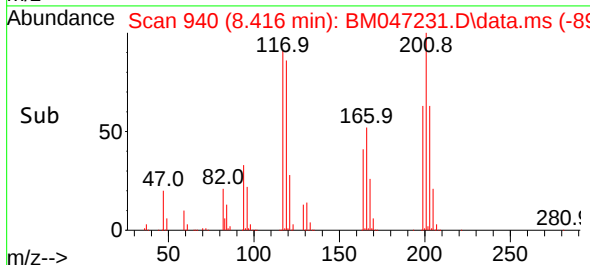
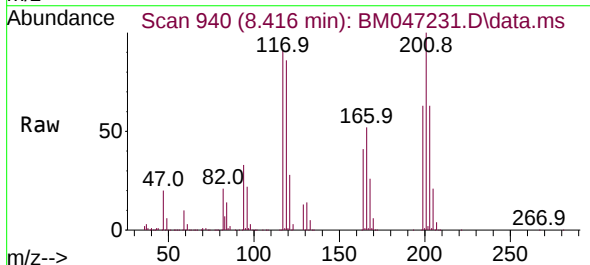


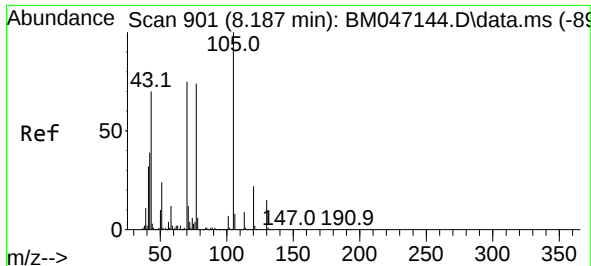
Tgt Ion:	107	Resp:	730073
Ion Ratio	Lower	Upper	
107	100		
108	113.4	90.6	135.8
77	48.1	39.3	58.9
79	46.9	38.6	58.0



#18
Hexachloroethane
Concen: 42.275 ng
RT: 8.416 min Scan# 940
Delta R.T. -0.012 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

Tgt Ion:	117	Resp:	430463
Ion Ratio	Lower	Upper	
117	100		
119	94.6	77.0	115.4
201	109.6	81.3	121.9

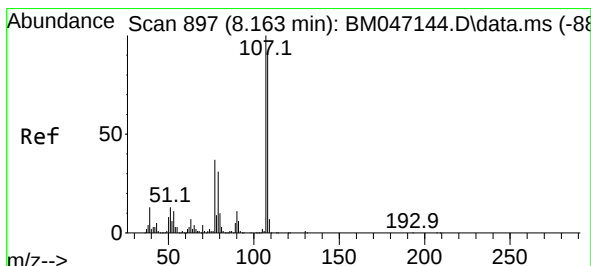
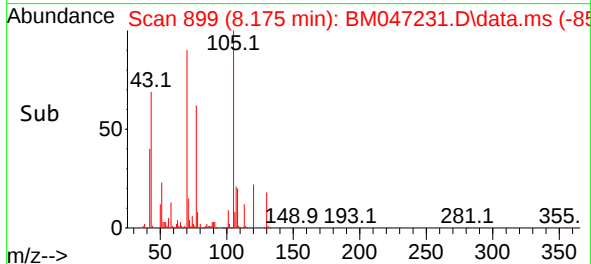
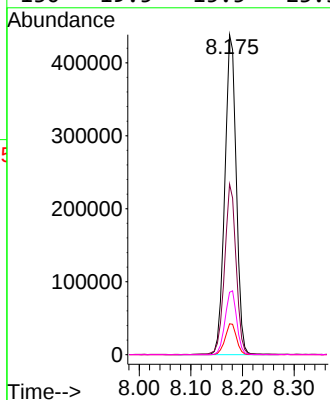
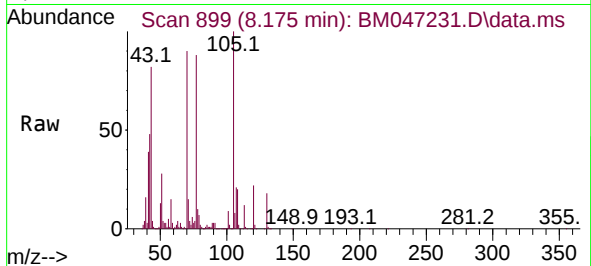




#19
n-Nitroso-di-n-propylamine
Concen: 36.325 ng
RT: 8.175 min Scan# 899
Delta R.T. -0.012 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

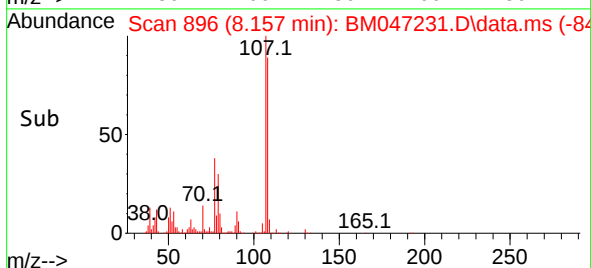
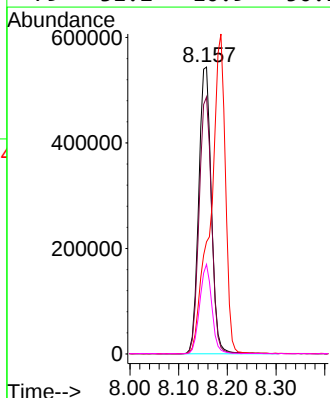
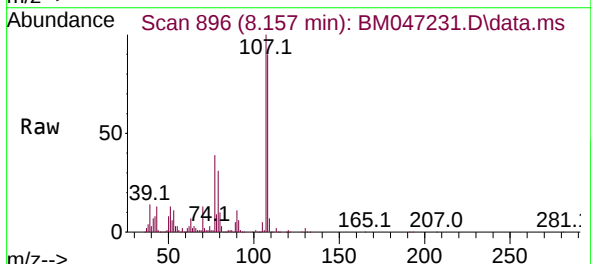
Instrument :
BNA_M
ClientSampleId :
PB162729BS

Tgt Ion: 70 Resp: 675376
Ion Ratio Lower Upper
70 100
42 53.3 42.0 63.0
101 9.7 7.2 10.8
130 19.5 15.5 23.3



#20
3+4-Methylphenols
Concen: 38.025 ng
RT: 8.157 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

Tgt Ion: 107 Resp: 976804
Ion Ratio Lower Upper
107 100
108 89.6 70.7 110.7
77 39.1 17.4 57.4
79 31.2 10.9 50.9

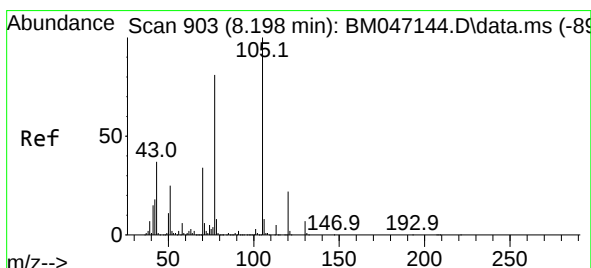
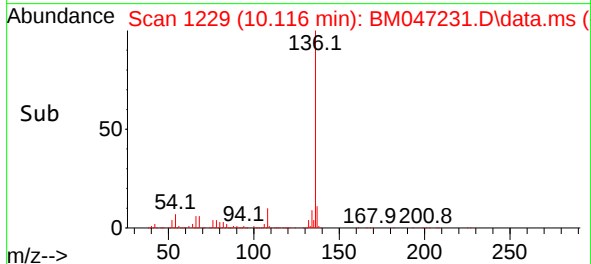
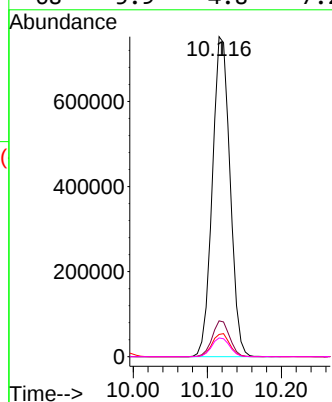
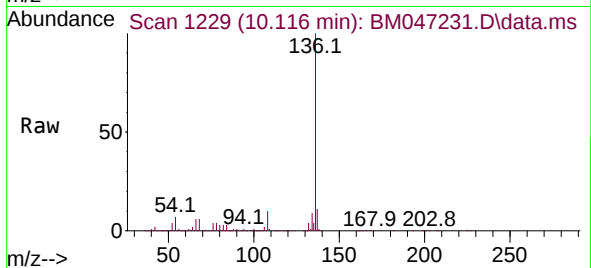




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.116 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

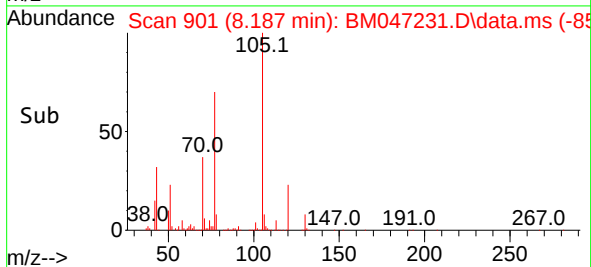
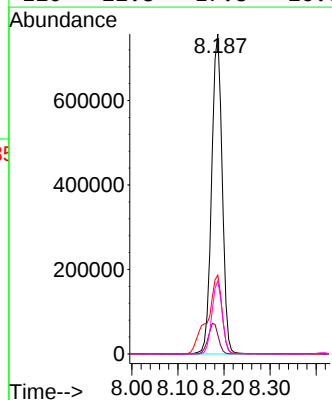
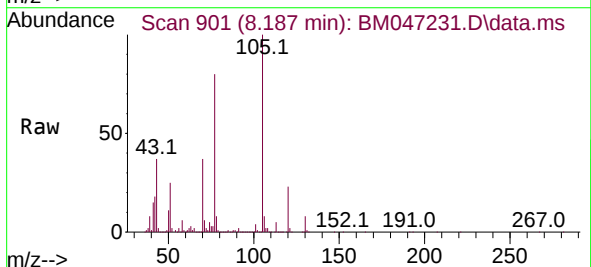
Instrument :
BNA_M
ClientSampleId :
PB162729BS

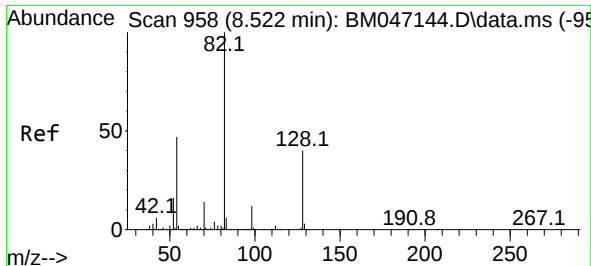
Tgt Ion:136 Resp: 1247595
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.0 6.0 9.0
68 5.9 4.8 7.2



#22
Acetophenone
Concen: 40.079 ng
RT: 8.187 min Scan# 901
Delta R.T. -0.012 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

Tgt Ion:105 Resp: 1206964
Ion Ratio Lower Upper
105 100
71 6.0 4.5 6.7
51 24.6 20.1 30.1
120 22.8 17.8 26.6

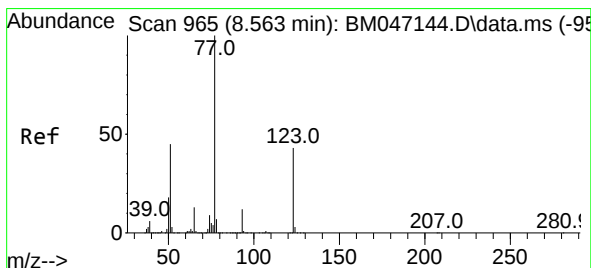
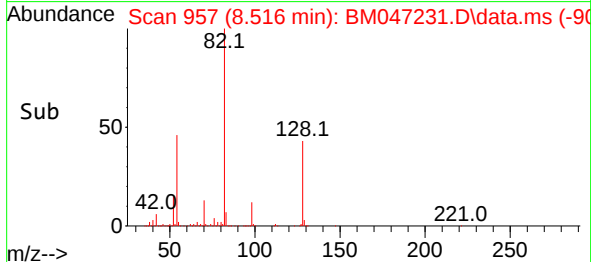
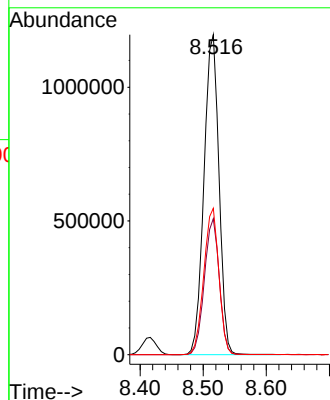
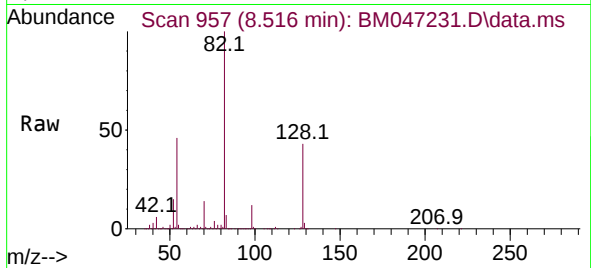




#23
Nitrobenzene-d5
Concen: 79.998 ng
RT: 8.516 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

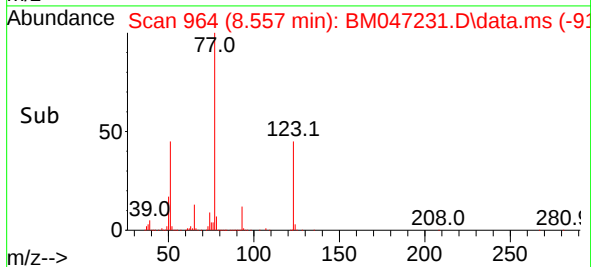
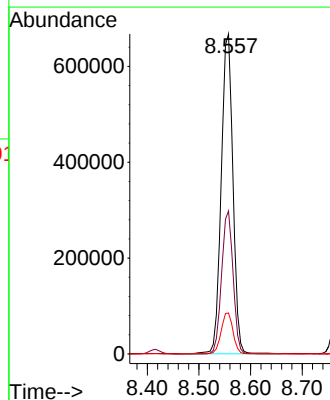
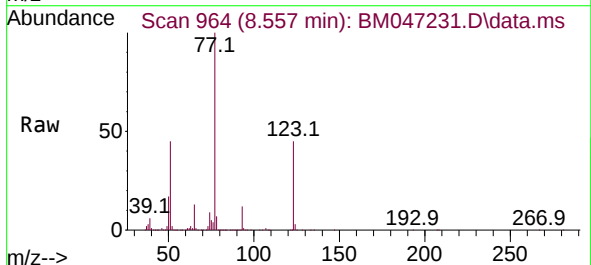
Instrument :
BNA_M
ClientSampleId :
PB162729BS

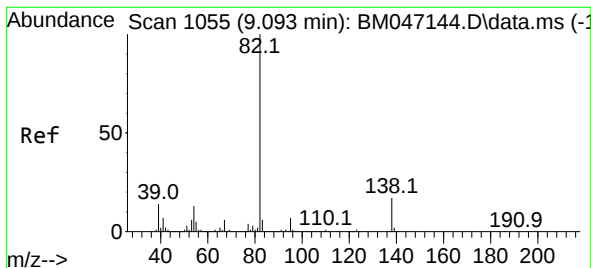
Tgt Ion: 82 Resp: 1982103
Ion Ratio Lower Upper
82 100
128 42.5 32.3 48.5
54 45.8 37.4 56.2



#24
Nitrobenzene
Concen: 41.928 ng
RT: 8.557 min Scan# 964
Delta R.T. -0.006 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

Tgt Ion: 77 Resp: 1046069
Ion Ratio Lower Upper
77 100
123 44.7 34.0 51.0
65 12.8 10.5 15.7





#25

Isophorone

Concen: 42.206 ng

RT: 9.081 min Scan# 1053

Delta R.T. -0.012 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

Instrument :

BNA_M

ClientSampleId :

PB162729BS

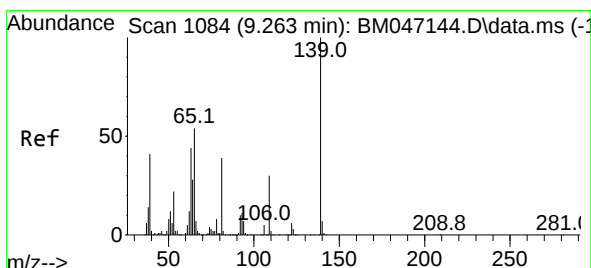
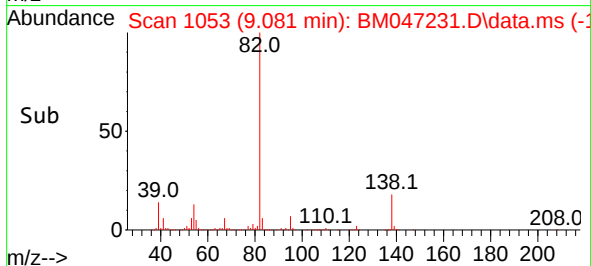
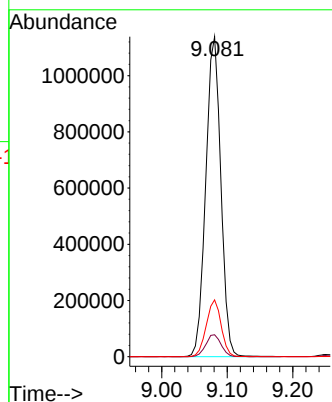
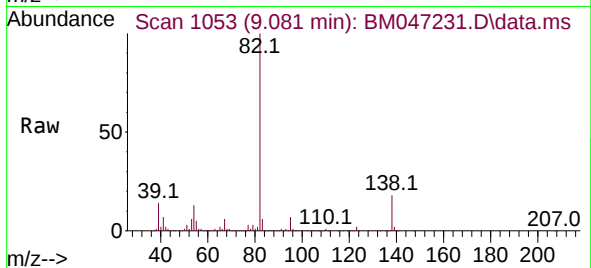
Tgt Ion: 82 Resp: 1820781

Ion Ratio Lower Upper

82 100

95 6.9 5.5 8.3

138 17.8 13.5 20.3



#26

2-Nitrophenol

Concen: 48.521 ng

RT: 9.251 min Scan# 1082

Delta R.T. -0.012 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

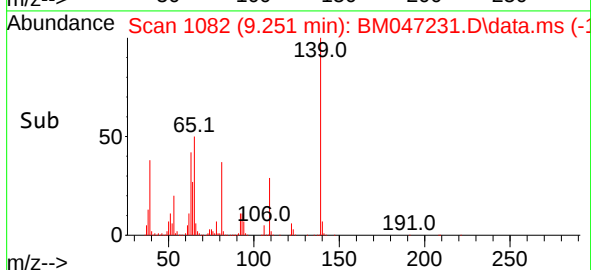
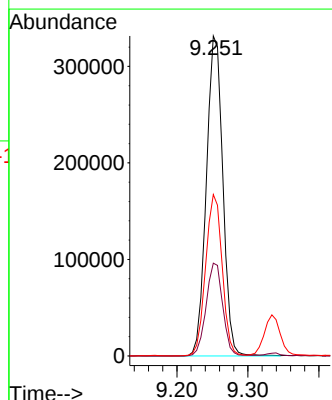
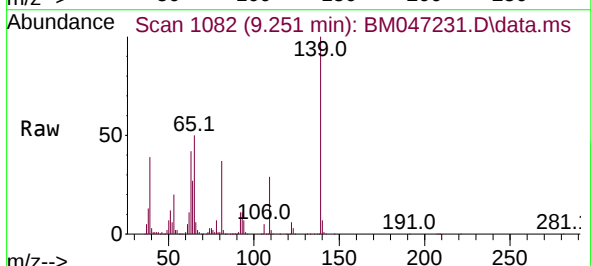
Tgt Ion:139 Resp: 536111

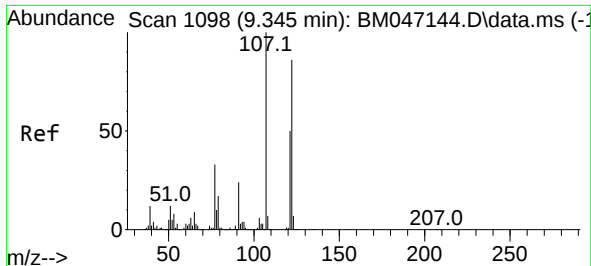
Ion Ratio Lower Upper

139 100

109 29.0 24.4 36.6

65 50.5 43.0 64.6

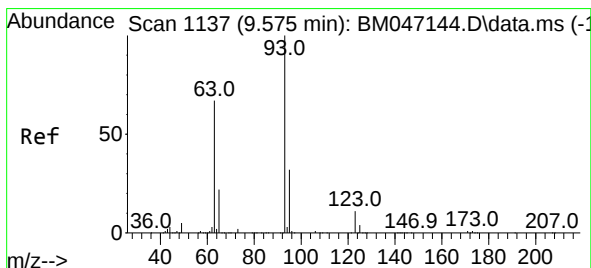
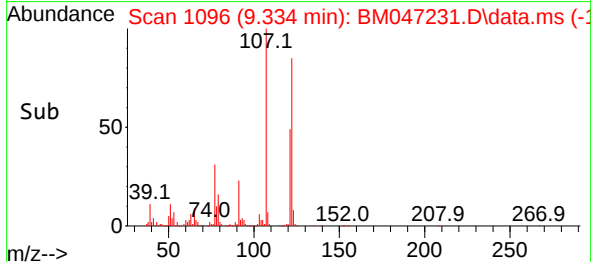
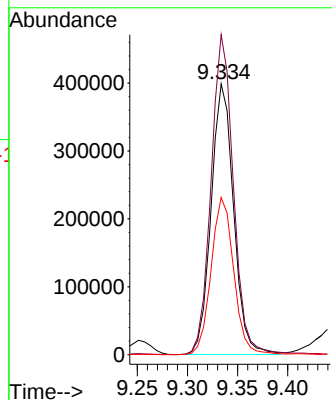
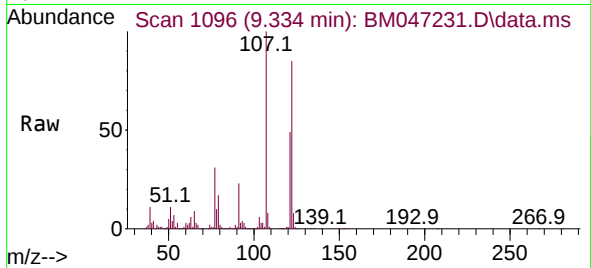




#27
2,4-Dimethylphenol
Concen: 48.107 ng
RT: 9.334 min Scan# 1109
Delta R.T. -0.012 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

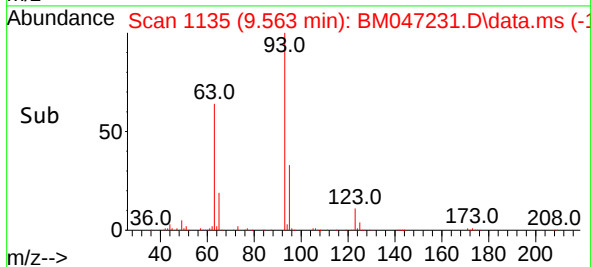
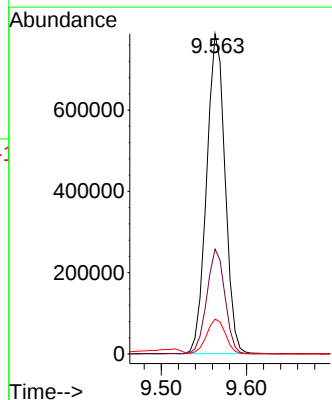
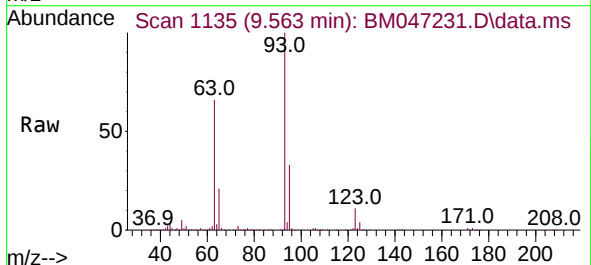
Instrument :
BNA_M
ClientSampleId :
PB162729BS

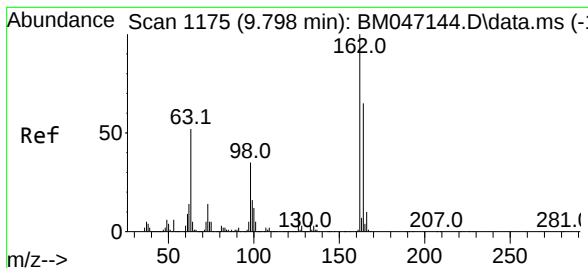
Tgt Ion:122 Resp: 622635
Ion Ratio Lower Upper
122 100
107 118.2 92.8 139.2
121 58.0 46.1 69.1



#28
bis(2-Chloroethoxy)methane
Concen: 43.427 ng
RT: 9.563 min Scan# 1135
Delta R.T. -0.012 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

Tgt Ion: 93 Resp: 1178827
Ion Ratio Lower Upper
93 100
95 32.8 25.8 38.8
123 10.9 9.0 13.4





#29

2,4-Dichlorophenol

Concen: 46.311 ng

RT: 9.787 min Scan# 1173

Delta R.T. -0.012 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

Instrument :

BNA_M

ClientSampleId :

PB162729BS

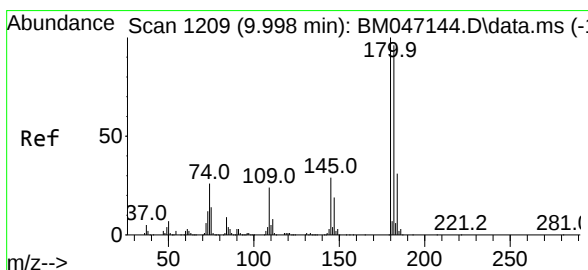
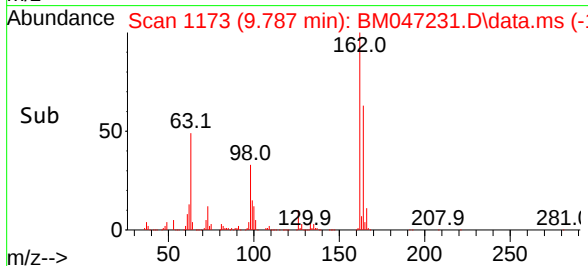
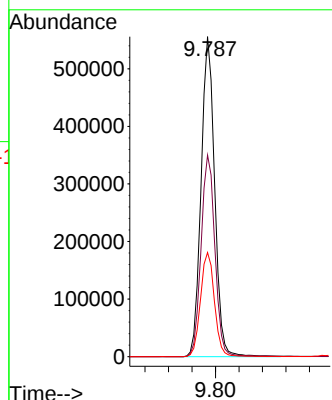
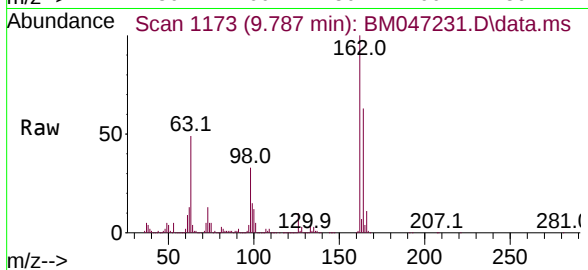
Tgt Ion:162 Resp: 889347

Ion Ratio Lower Upper

162 100

164 63.0 44.7 84.7

98 32.6 14.9 54.9



#30

1,2,4-Trichlorobenzene

Concen: 46.787 ng

RT: 9.986 min Scan# 1207

Delta R.T. -0.012 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

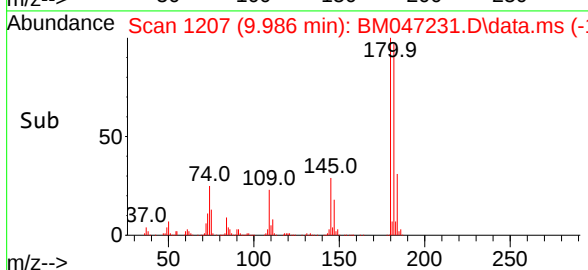
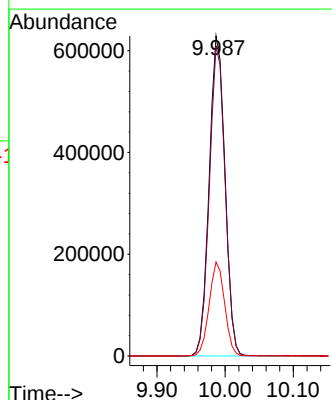
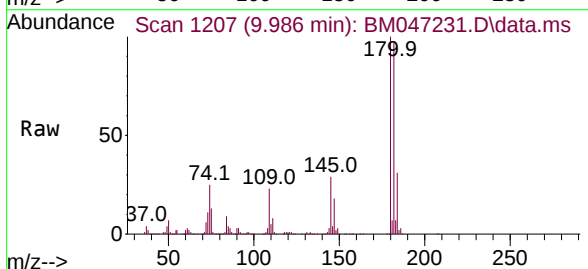
Tgt Ion:180 Resp: 1016804

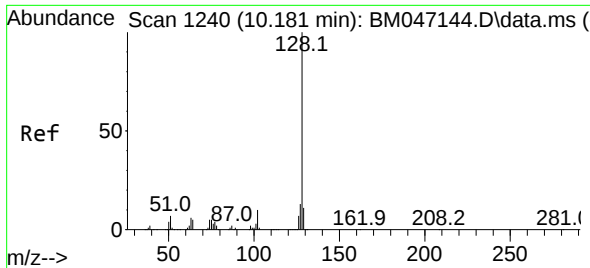
Ion Ratio Lower Upper

180 100

182 96.9 76.6 115.0

145 29.3 23.4 35.2

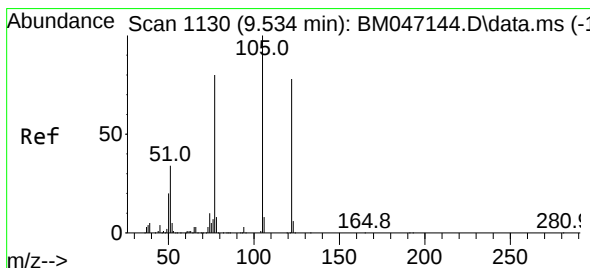
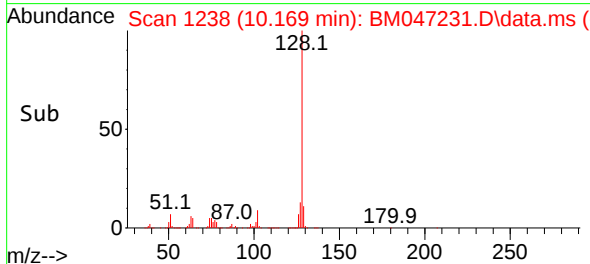
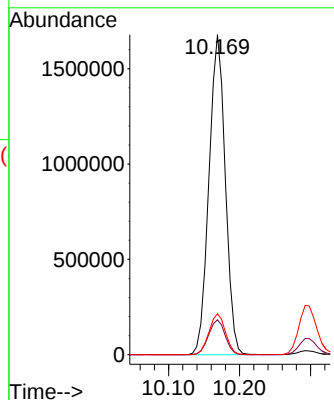
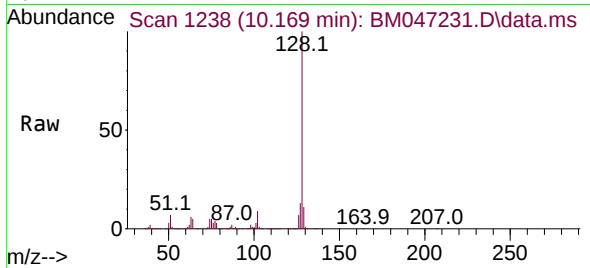




#31
Naphthalene
Concen: 43.152 ng
RT: 10.169 min Scan# 1127
Delta R.T. -0.012 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

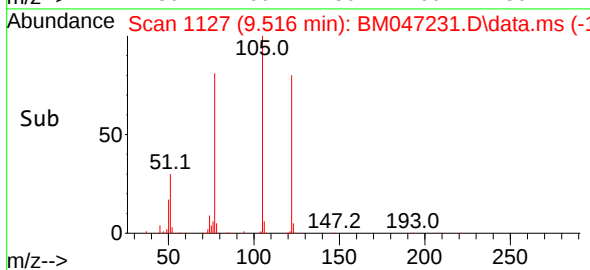
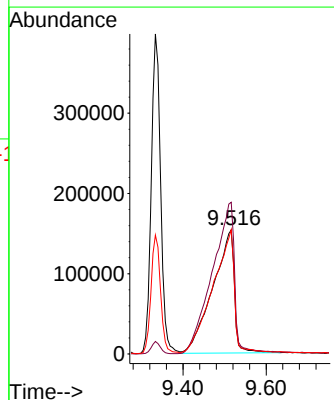
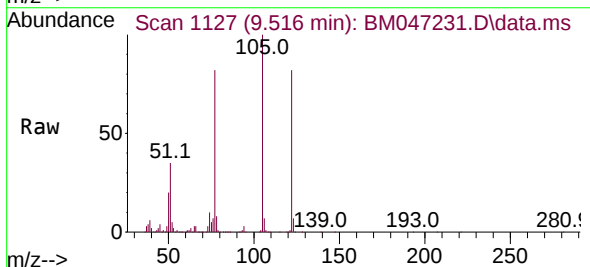
Instrument :
BNA_M
ClientSampleId :
PB162729BS

Tgt Ion:128 Resp: 2681944
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 12.8 10.2 15.4



#32
Benzoic acid
Concen: 37.004 ng
RT: 9.516 min Scan# 1127
Delta R.T. -0.018 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

Tgt Ion:122 Resp: 556419
Ion Ratio Lower Upper
122 100
105 122.3 107.1 147.1
77 100.2 82.1 122.1





#33

4-Chloroaniline

Concen: 19.826 ng

RT: 10.292 min Scan# 1259

Delta R.T. -0.018 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

Instrument :

BNA_M

ClientSampleId :

PB162729BS

Tgt Ion:127 Resp: 473858

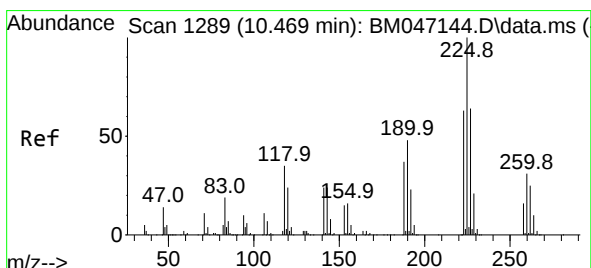
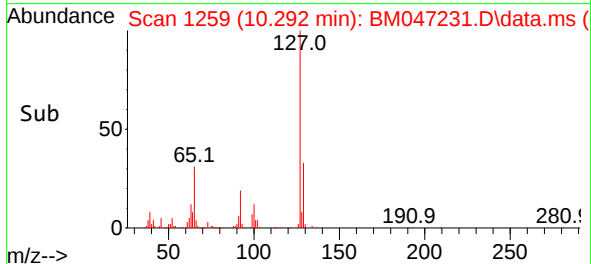
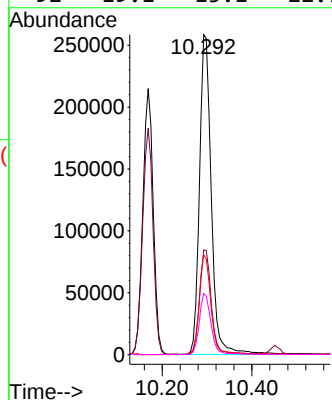
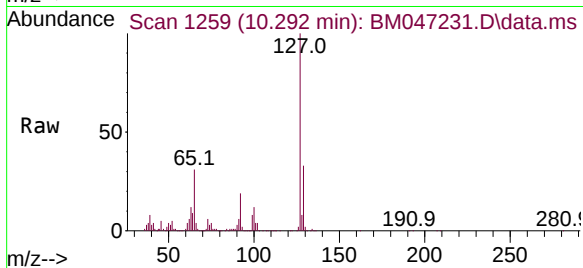
Ion Ratio Lower Upper

127 100

129 32.7 25.8 38.8

65 31.2 24.9 37.3

92 19.1 15.1 22.7



#34

Hexachlorobutadiene

Concen: 48.623 ng

RT: 10.451 min Scan# 1286

Delta R.T. -0.018 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

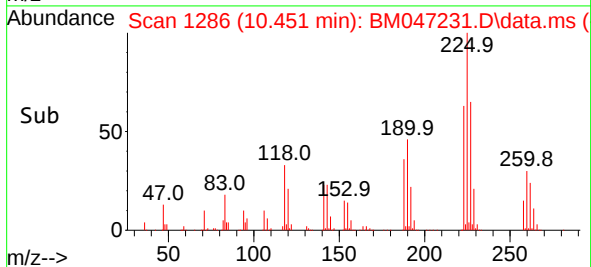
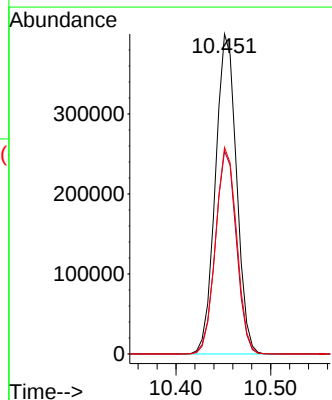
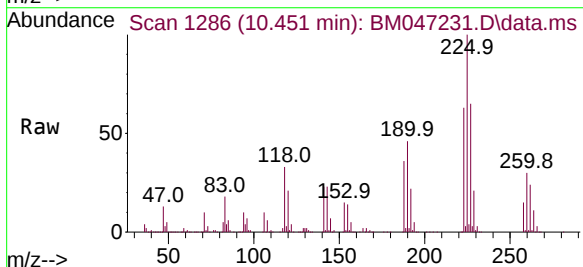
Tgt Ion:225 Resp: 618503

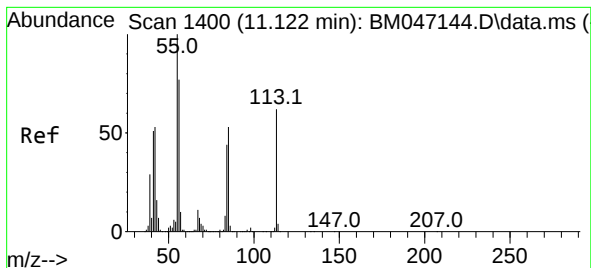
Ion Ratio Lower Upper

225 100

223 63.4 50.2 75.2

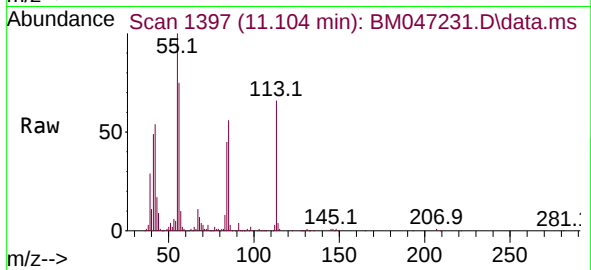
227 64.6 51.4 77.0



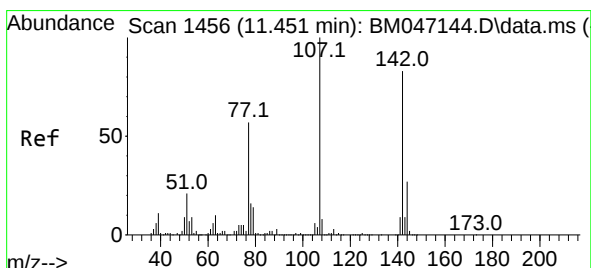
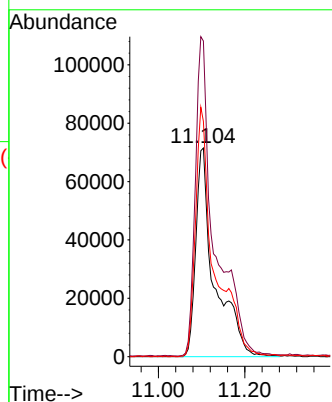
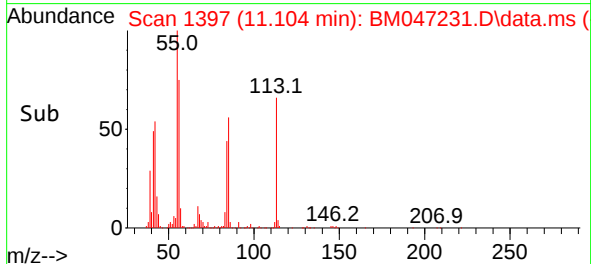


#35
Caprolactam
Concen: 32.283 ng m
RT: 11.104 min Scan# 11104
Delta R.T. -0.018 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

Instrument :
BNA_M
ClientSampleId :
PB162729BS

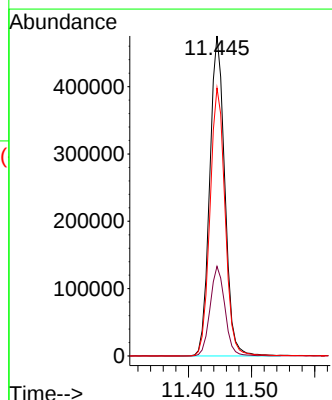
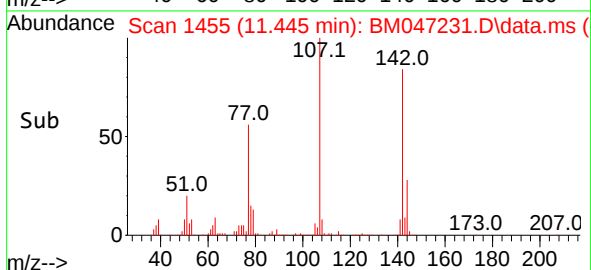
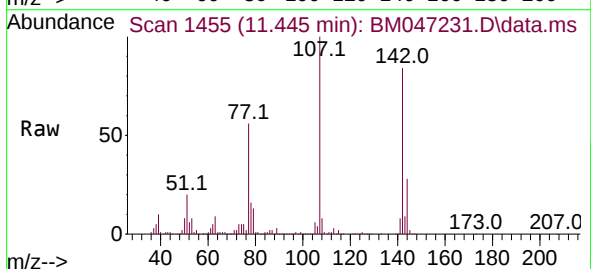


Tgt Ion:113 Resp: 215301
Ion Ratio Lower Upper
113 100
55 151.3 140.5 180.5
56 112.7 103.6 143.6



#36
4-Chloro-3-methylphenol
Concen: 38.576 ng
RT: 11.445 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

Tgt Ion:107 Resp: 788953
Ion Ratio Lower Upper
107 100
144 28.0 21.8 32.6
142 83.8 66.8 100.2

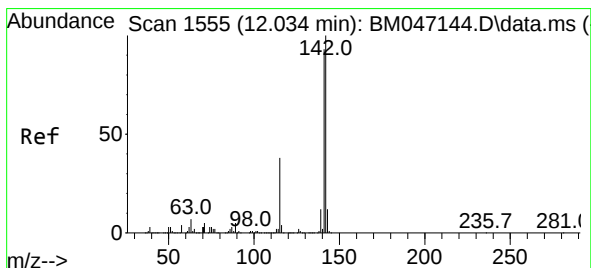
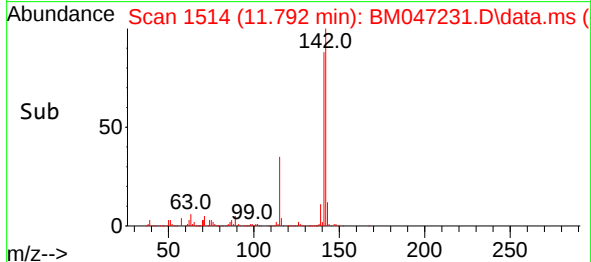
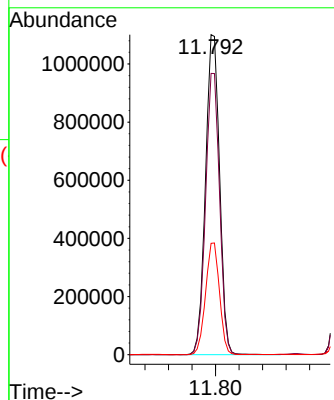
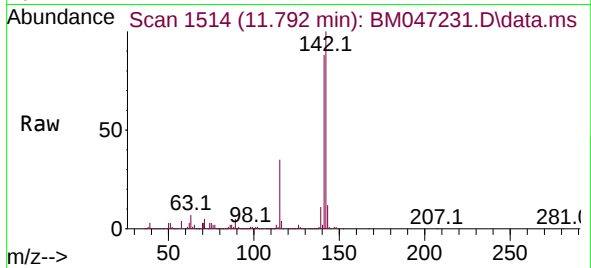




#37
2-Methylnaphthalene
Concen: 41.291 ng
RT: 11.792 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

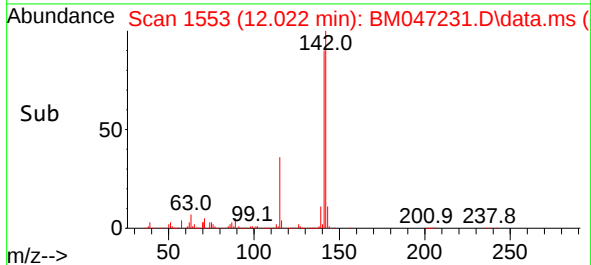
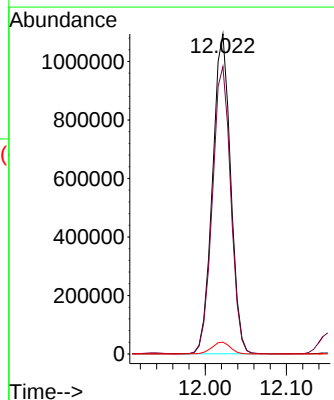
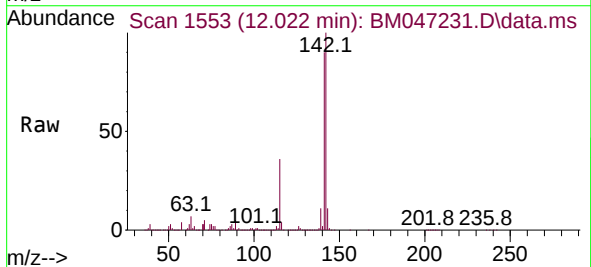
Instrument :
BNA_M
ClientSampleId :
PB162729BS

Tgt Ion:142 Resp: 1827193
Ion Ratio Lower Upper
142 100
141 87.9 70.9 106.3
115 34.8 28.7 43.1



#38
1-Methylnaphthalene
Concen: 38.674 ng
RT: 12.022 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

Tgt Ion:142 Resp: 1691354
Ion Ratio Lower Upper
142 100
141 89.8 74.6 111.8
116 3.7 3.1 4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.022 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

Instrument :

BNA_M

ClientSampleId :

PB162729BS

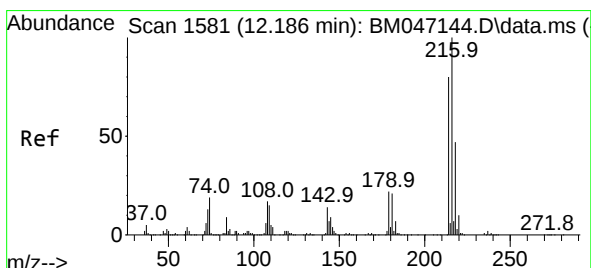
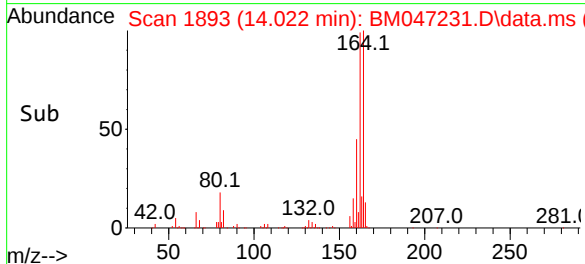
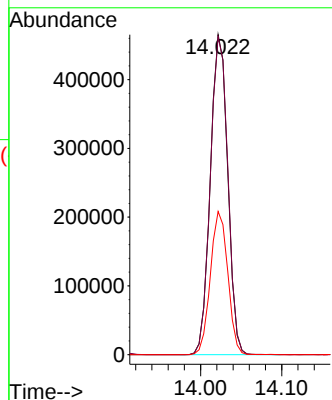
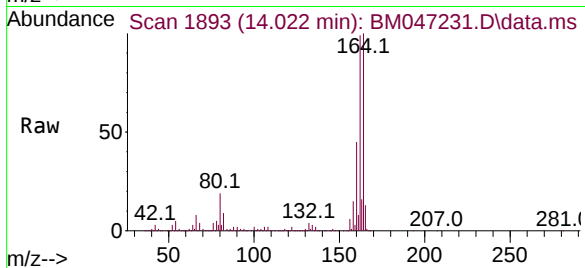
Tgt Ion:164 Resp: 690408

Ion Ratio Lower Upper

164 100

162 99.4 80.7 121.1

160 44.8 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 49.284 ng

RT: 12.180 min Scan# 1580

Delta R.T. -0.006 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

Tgt Ion:216 Resp: 928082

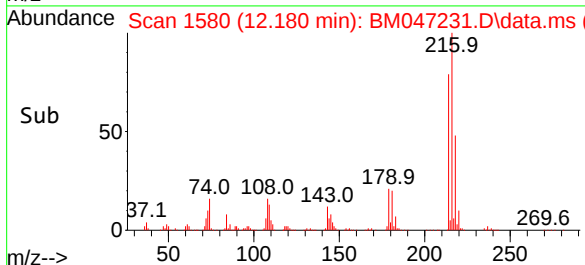
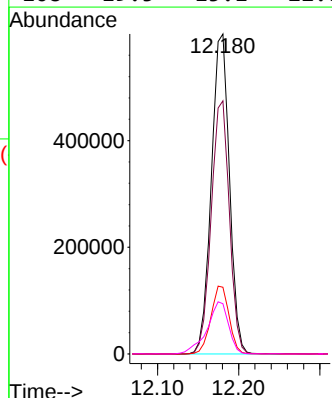
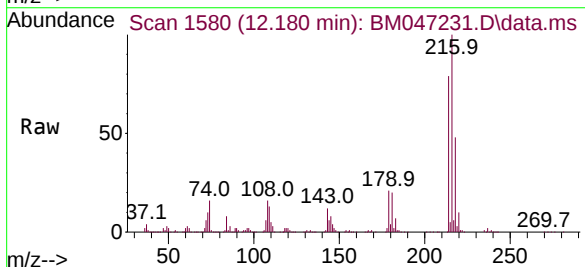
Ion Ratio Lower Upper

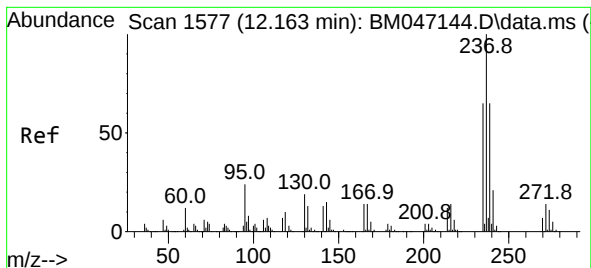
216 100

214 79.4 63.4 95.2

179 21.3 17.6 26.4

108 19.5 15.1 22.7





#41

Hexachlorocyclopentadiene

Concen: 139.399 ng

RT: 12.151 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

Instrument :

BNA_M

ClientSampleId :

PB162729BS

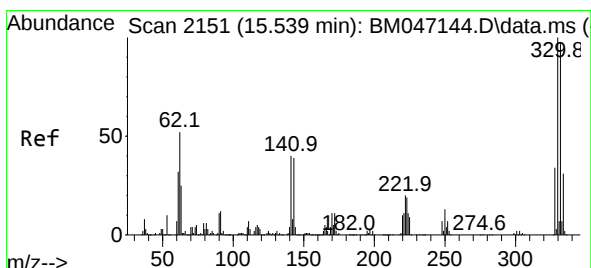
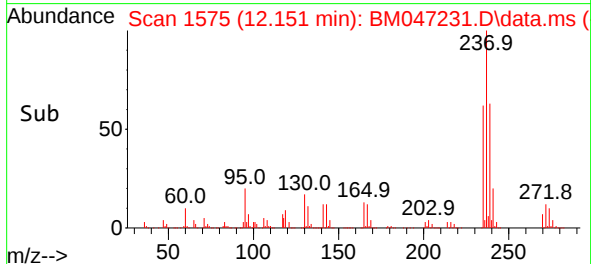
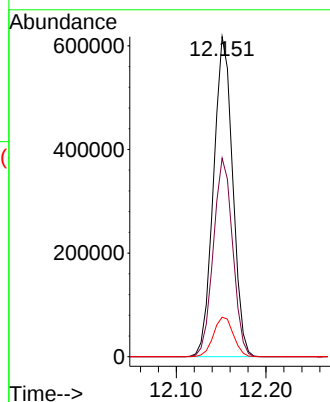
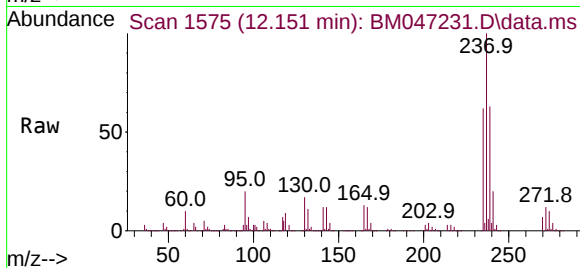
Tgt Ion:237 Resp: 916634

Ion Ratio Lower Upper

237 100

235 62.0 44.8 84.8

272 12.4 0.0 33.5



#42

2,4,6-Tribromophenol

Concen: 116.499 ng

RT: 15.533 min Scan# 2150

Delta R.T. -0.006 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

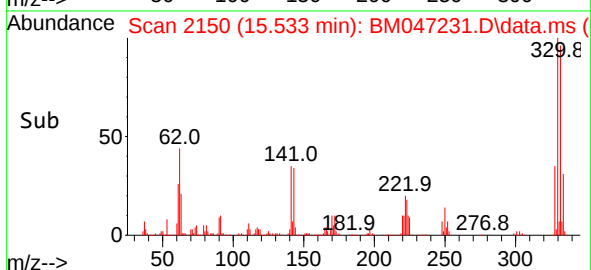
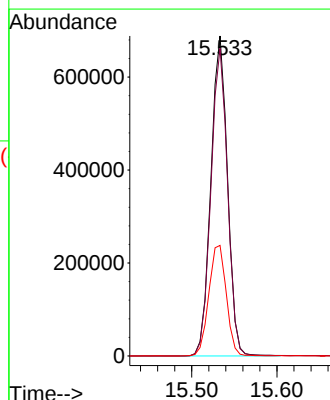
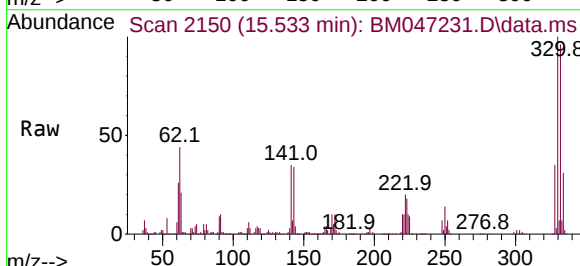
Tgt Ion:330 Resp: 932623

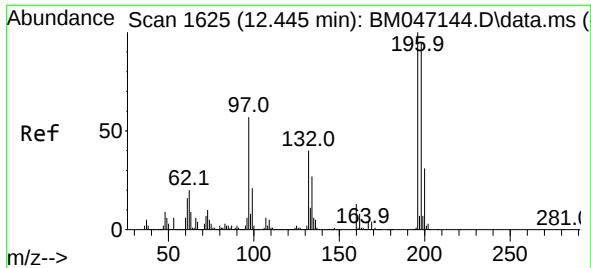
Ion Ratio Lower Upper

330 100

332 96.2 77.4 116.2

141 36.4 31.6 47.4

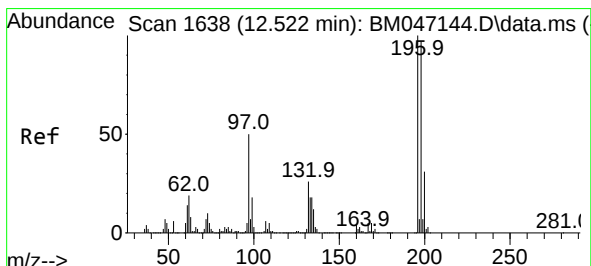
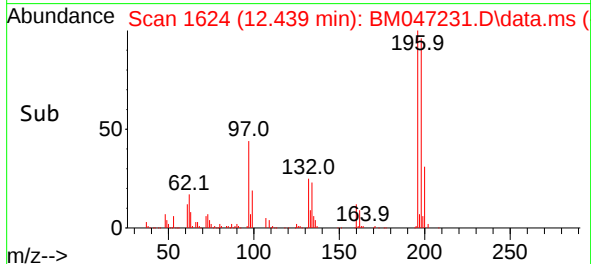
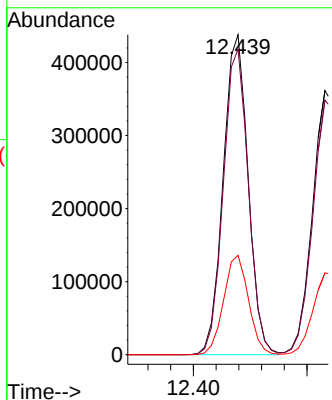
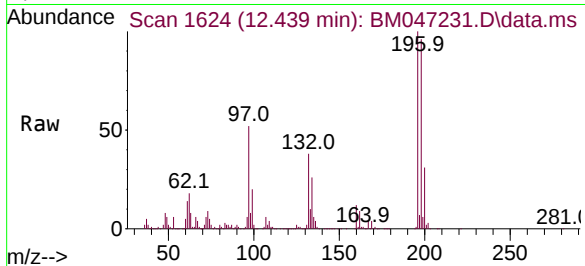




#43
2,4,6-Trichlorophenol
Concen: 49.928 ng
RT: 12.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

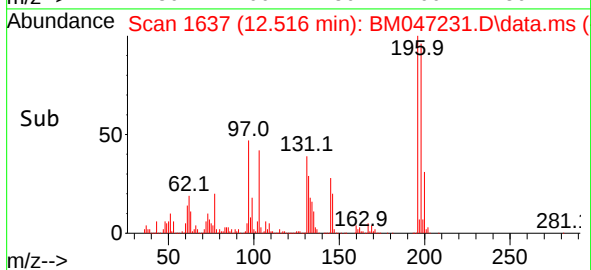
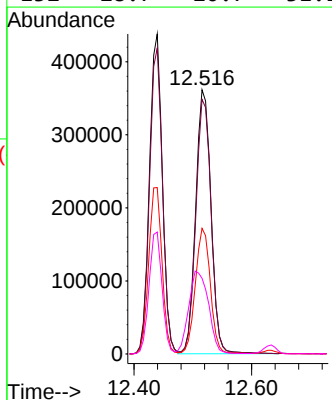
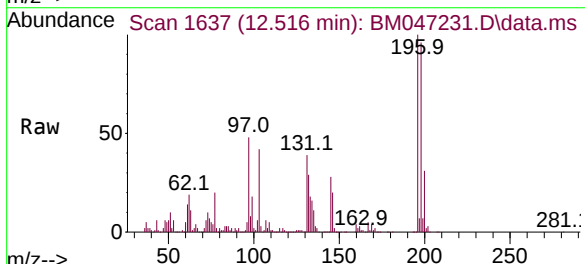
Instrument :
BNA_M
ClientSampleId :
PB162729BS

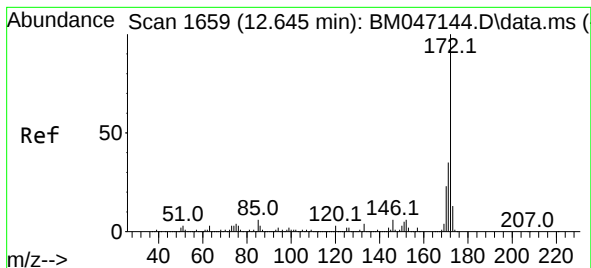
Tgt Ion:196 Resp: 668264
Ion Ratio Lower Upper
196 100
198 95.5 75.6 113.4
200 31.1 24.6 37.0



#44
2,4,5-Trichlorophenol
Concen: 44.105 ng
RT: 12.516 min Scan# 1637
Delta R.T. -0.006 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

Tgt Ion:196 Resp: 655444
Ion Ratio Lower Upper
196 100
198 96.4 77.7 116.5
97 47.5 39.8 59.8
132 28.7 20.7 31.1





#45

2-Fluorobiphenyl

Concen: 89.705 ng

RT: 12.633 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

Instrument :

BNA_M

ClientSampleId :

PB162729BS

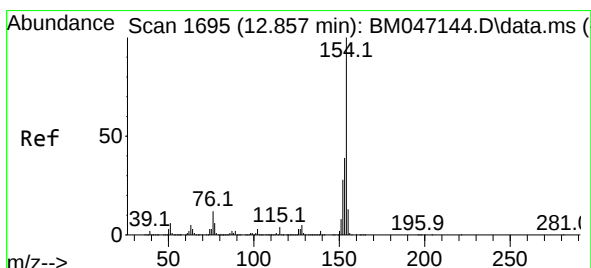
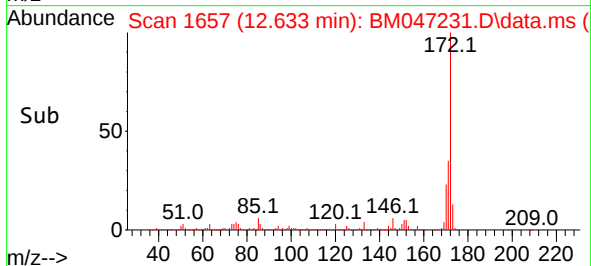
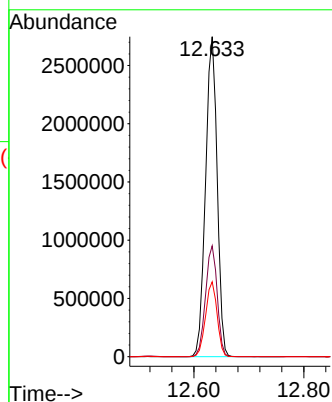
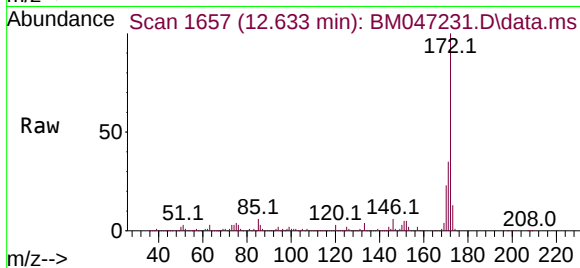
Tgt Ion:172 Resp: 4015027

Ion Ratio Lower Upper

172 100

171 34.7 27.8 41.6

170 23.4 18.7 28.1



#46

1,1'-Biphenyl

Concen: 43.120 ng

RT: 12.845 min Scan# 1693

Delta R.T. -0.012 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

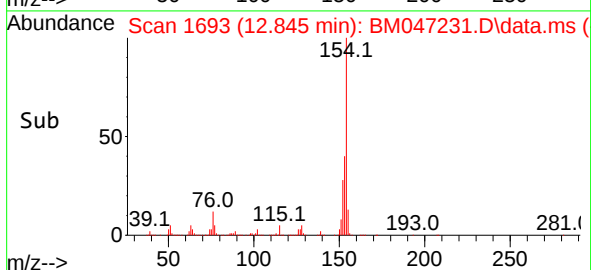
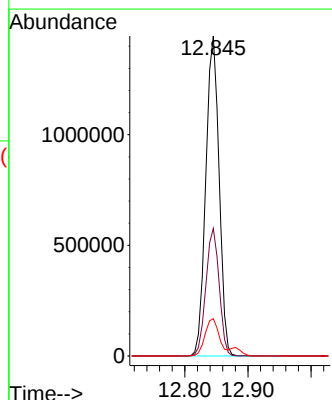
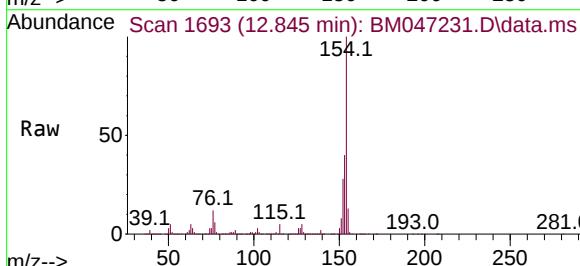
Tgt Ion:154 Resp: 2119379

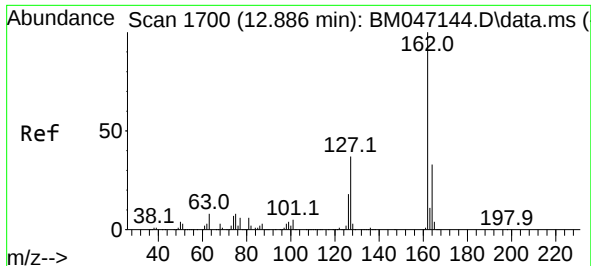
Ion Ratio Lower Upper

154 100

153 39.9 19.0 59.0

76 11.6 0.0 31.9





#47

2-Chloronaphthalene

Concen: 45.766 ng

RT: 12.880 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

Instrument :

BNA_M

ClientSampleId :

PB162729BS

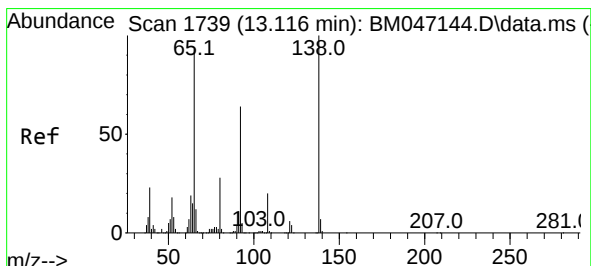
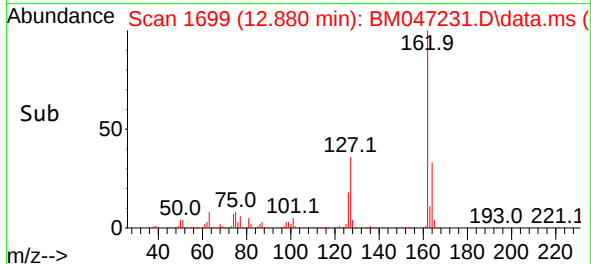
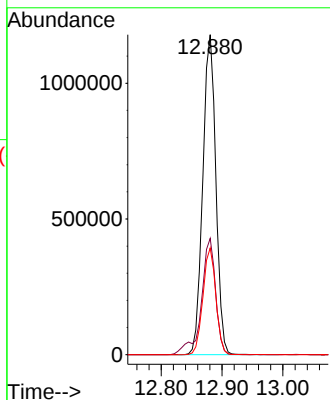
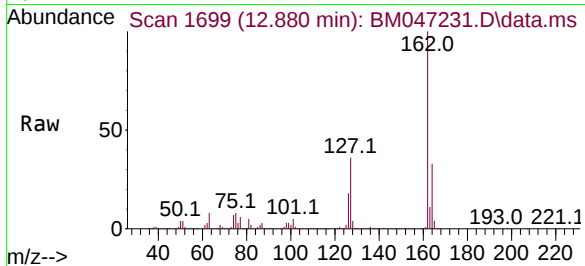
Tgt Ion:162 Resp: 1758166

Ion Ratio Lower Upper

162 100

127 36.3 30.0 45.0

164 33.4 26.3 39.5



#48

2-Nitroaniline

Concen: 42.008 ng

RT: 13.104 min Scan# 1737

Delta R.T. -0.012 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

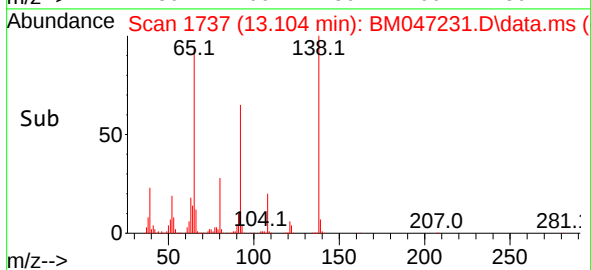
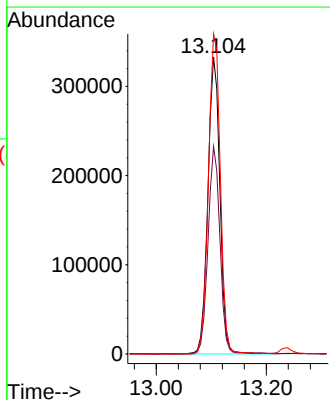
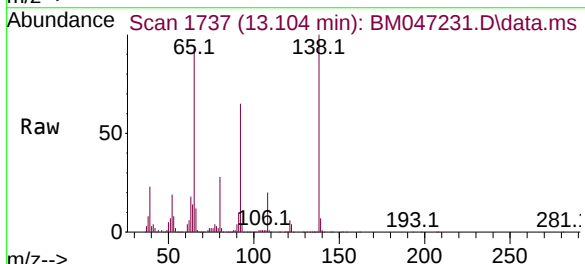
Tgt Ion: 65 Resp: 505583

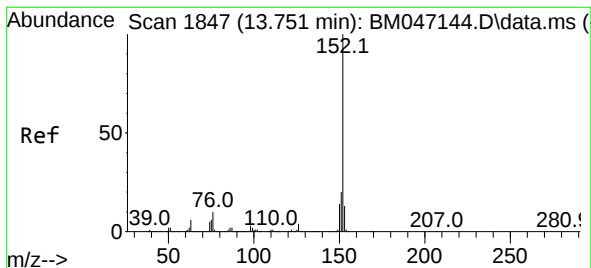
Ion Ratio Lower Upper

65 100

92 69.9 55.1 82.7

138 107.8 85.9 128.9





#49

Acenaphthylene

Concen: 47.786 ng

RT: 13.739 min Scan# 1845

Delta R.T. -0.012 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

Instrument :

BNA_M

ClientSampleId :

PB162729BS

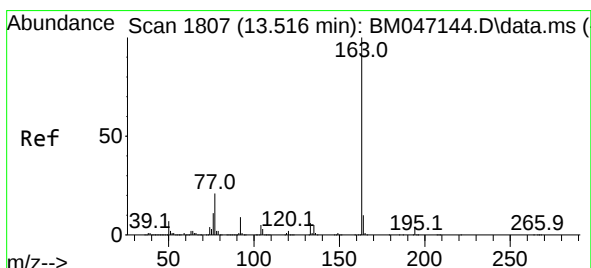
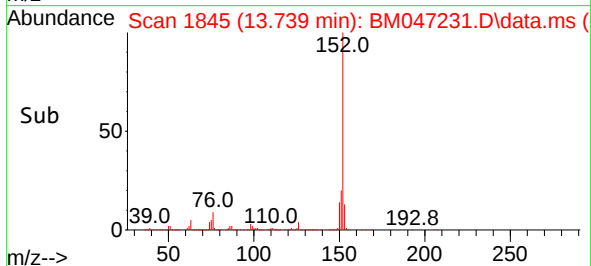
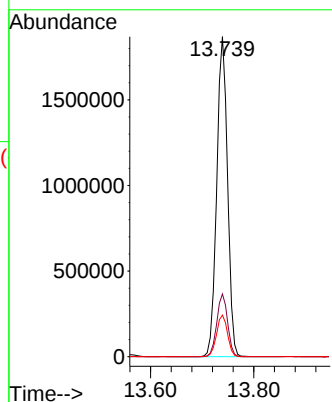
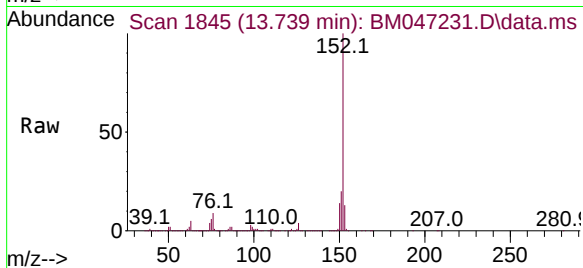
Tgt Ion:152 Resp: 2706026

Ion Ratio Lower Upper

152 100

151 19.6 15.8 23.6

153 13.0 10.4 15.6



#50

Dimethylphthalate

Concen: 42.782 ng

RT: 13.504 min Scan# 1805

Delta R.T. -0.012 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

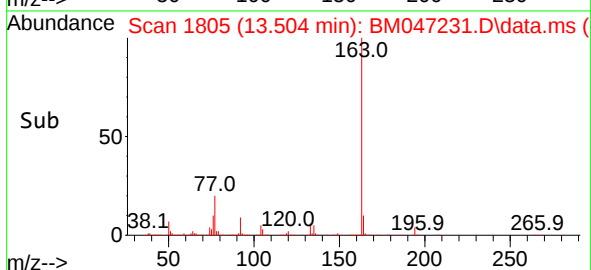
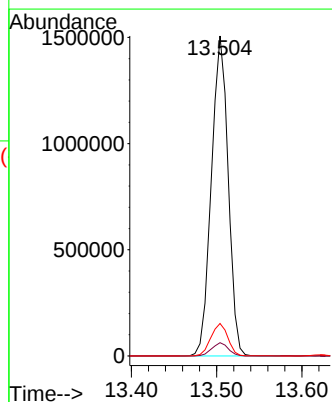
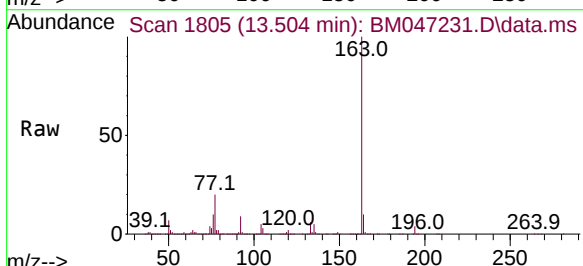
Tgt Ion:163 Resp: 2062894

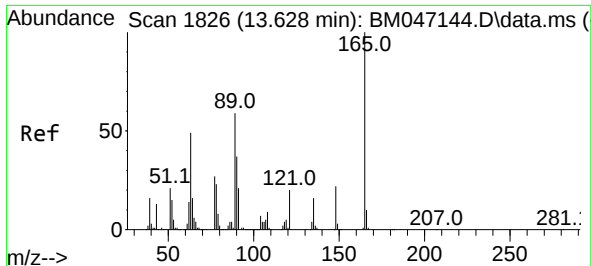
Ion Ratio Lower Upper

163 100

194 4.2 3.0 4.6

164 10.2 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 40.655 ng

RT: 13.622 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

Instrument :

BNA_M

ClientSampleId :

PB162729BS

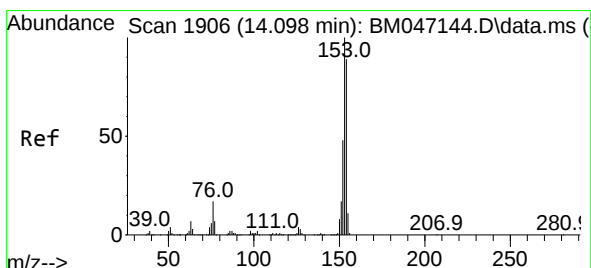
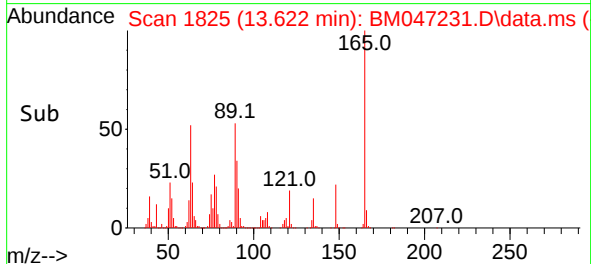
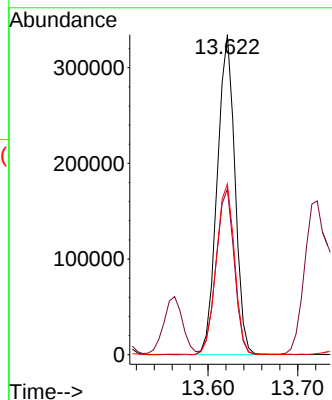
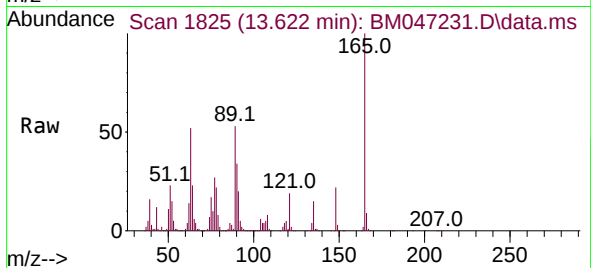
Tgt Ion:165 Resp: 458252

Ion Ratio Lower Upper

165 100

63 51.7 46.5 69.7

89 53.4 47.3 70.9



#52

Acenaphthene

Concen: 43.597 ng

RT: 14.086 min Scan# 1904

Delta R.T. -0.012 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

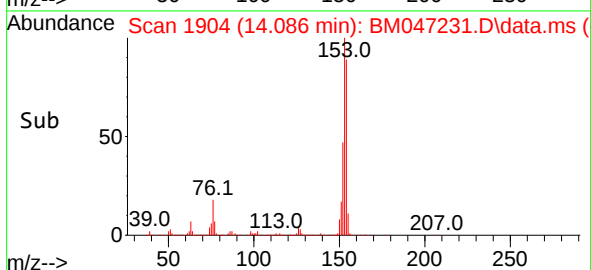
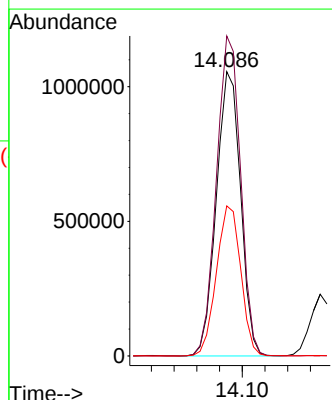
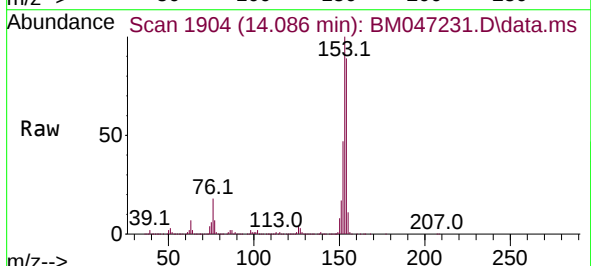
Tgt Ion:154 Resp: 1566021

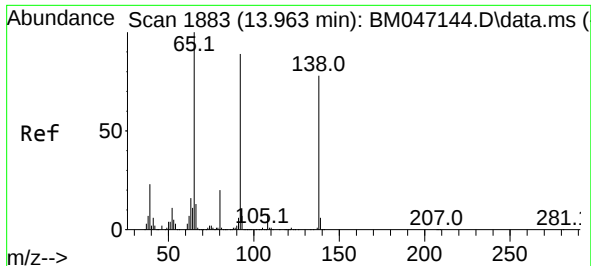
Ion Ratio Lower Upper

154 100

153 112.6 90.3 135.5

152 52.8 42.9 64.3

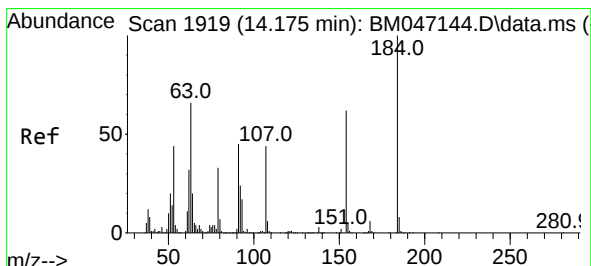
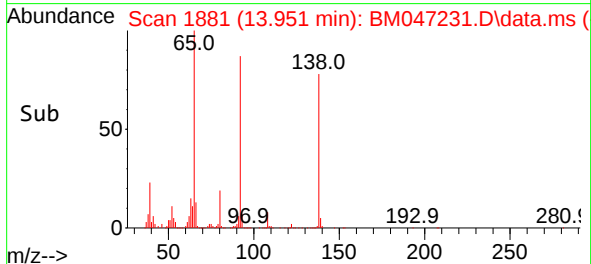
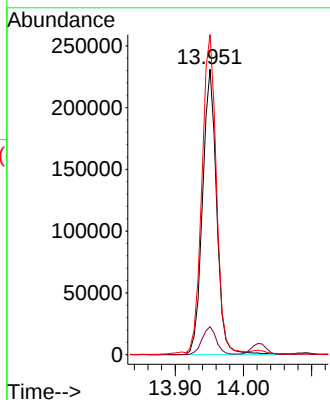
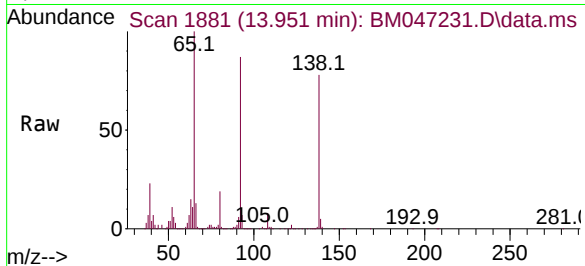




#53
3-Nitroaniline
Concen: 29.483 ng
RT: 13.951 min Scan# 1881
Delta R.T. -0.012 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

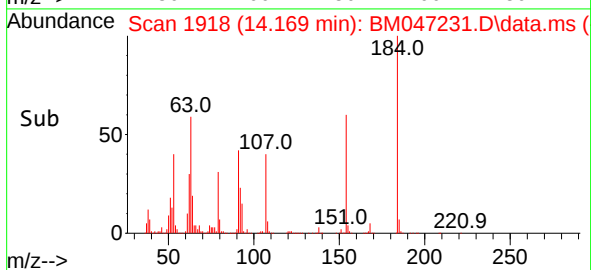
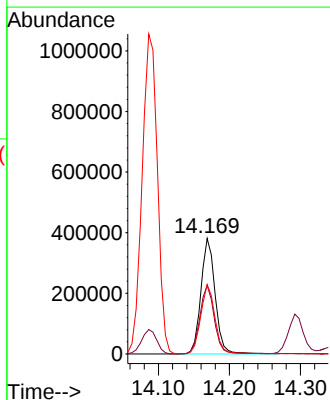
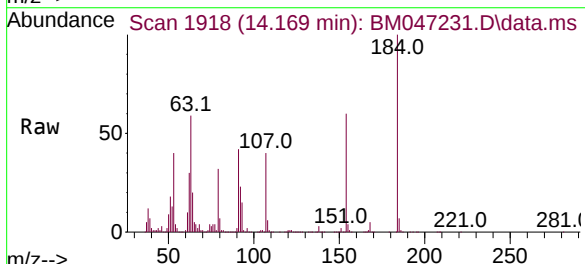
Instrument :
BNA_M
ClientSampleId :
PB162729BS

Tgt Ion:138 Resp: 333006
Ion Ratio Lower Upper
138 100
108 9.8 7.9 11.9
92 112.1 92.0 138.0



#54
2,4-Dinitrophenol
Concen: 78.753 ng
RT: 14.169 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

Tgt Ion:184 Resp: 532030
Ion Ratio Lower Upper
184 100
63 59.5 52.7 79.1
154 60.1 50.4 75.6

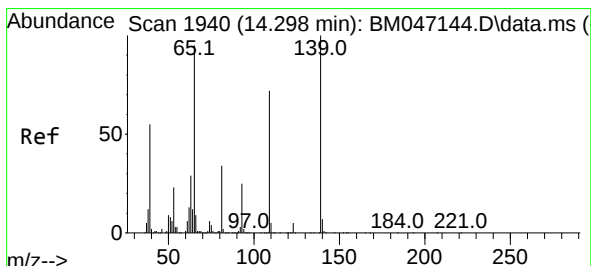
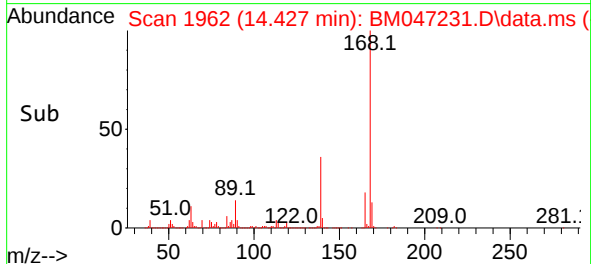
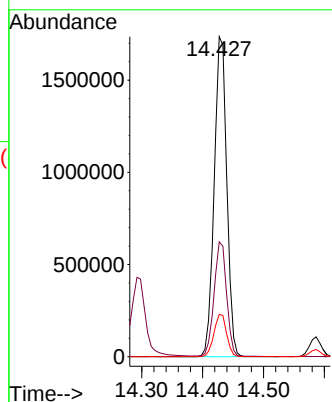
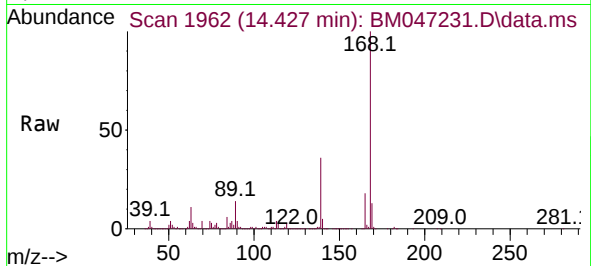




#55
Dibenzenofuran
Concen: 43.846 ng
RT: 14.427 min Scan# 1962
Delta R.T. -0.012 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

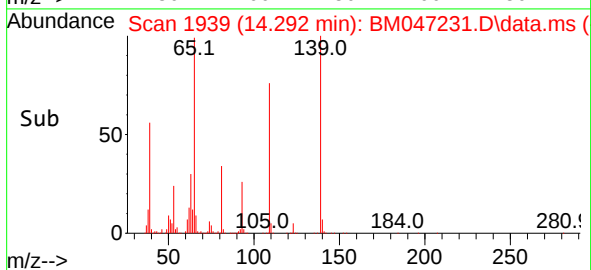
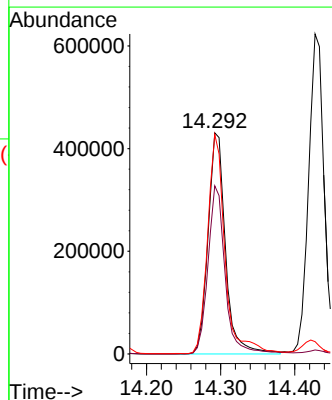
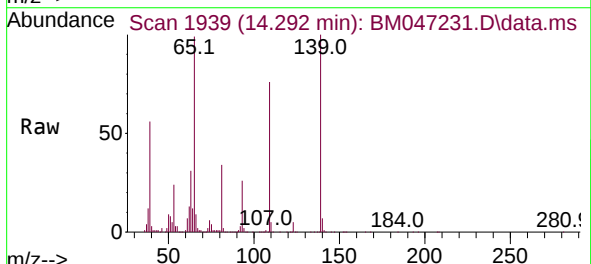
Instrument :
BNA_M
ClientSampleId :
PB162729BS

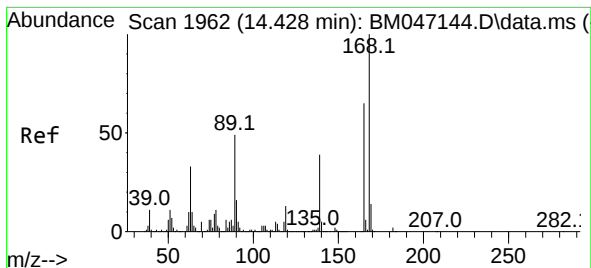
Tgt Ion:168 Resp: 2487758
Ion Ratio Lower Upper
168 100
139 35.9 29.6 44.4
169 13.2 10.7 16.1



#56
4-Nitrophenol
Concen: 72.184 ng
RT: 14.292 min Scan# 1939
Delta R.T. -0.006 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

Tgt Ion:139 Resp: 703037
Ion Ratio Lower Upper
139 100
109 76.0 52.5 92.5
65 99.3 75.4 115.4

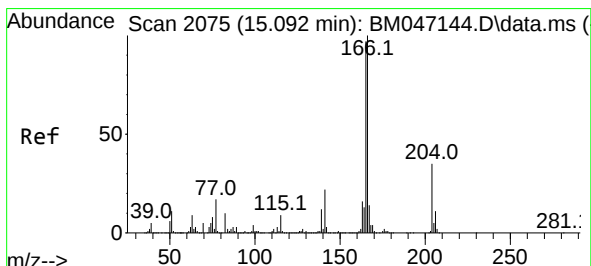
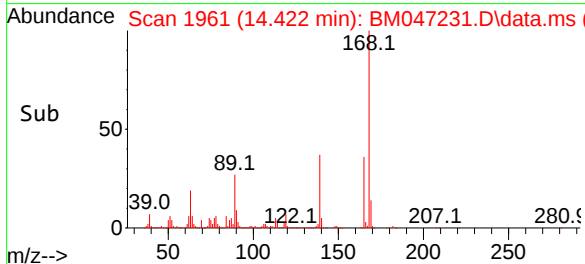
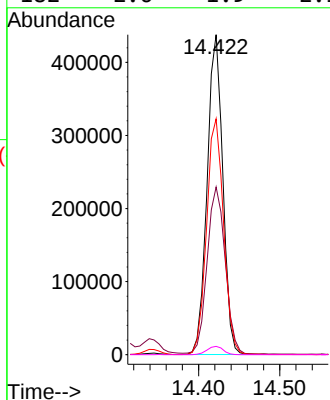
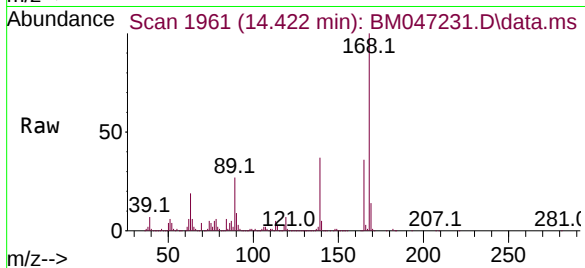




#57
2,4-Dinitrotoluene
Concen: 38.905 ng
RT: 14.422 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

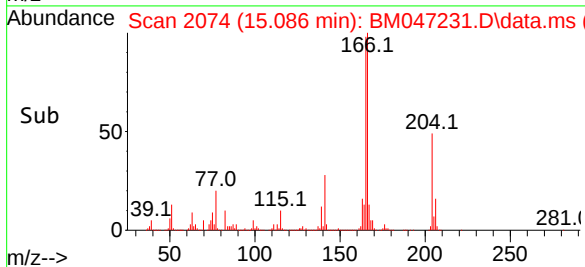
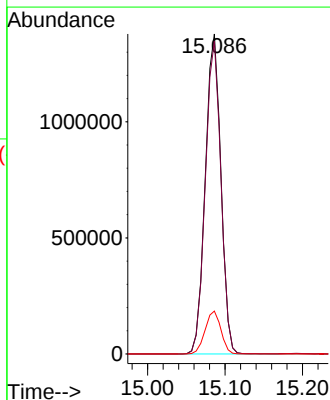
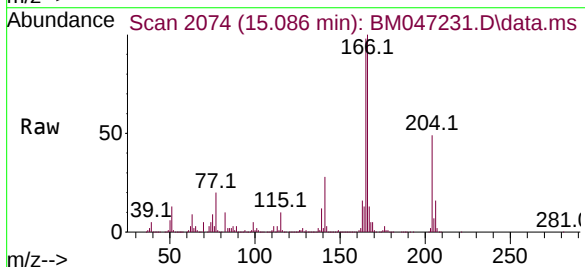
Instrument :
BNA_M
ClientSampleId :
PB162729BS

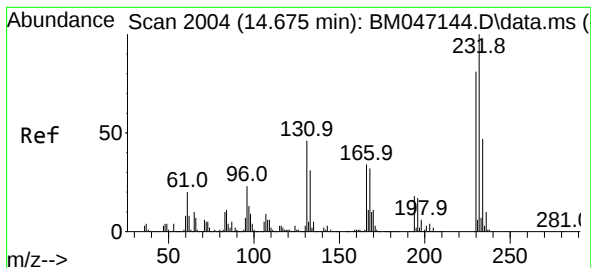
Tgt Ion:	165	Resp:	585323
Ion	Ratio	Lower	Upper
165	100		
63	52.4	40.3	60.5
89	73.7	61.0	91.6
182	2.6	1.9	2.9



#58
Fluorene
Concen: 41.100 ng
RT: 15.086 min Scan# 2074
Delta R.T. -0.006 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

Tgt Ion:	166	Resp:	1924114
Ion	Ratio	Lower	Upper
166	100		
165	97.8	77.4	116.0
167	13.4	11.0	16.6

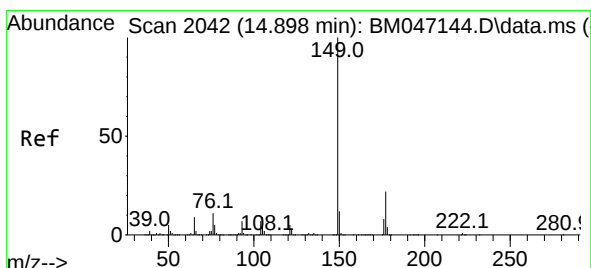
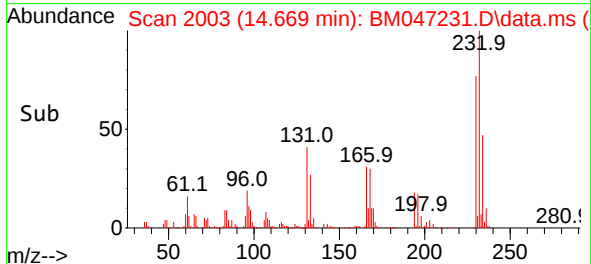
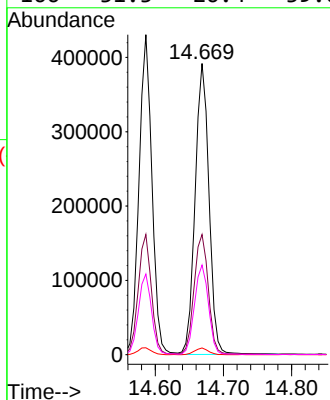
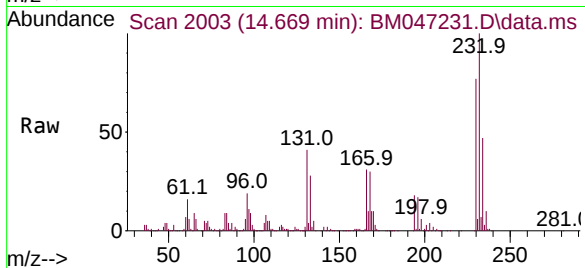




#59
2,3,4,6-Tetrachlorophenol
Concen: 45.104 ng
RT: 14.669 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

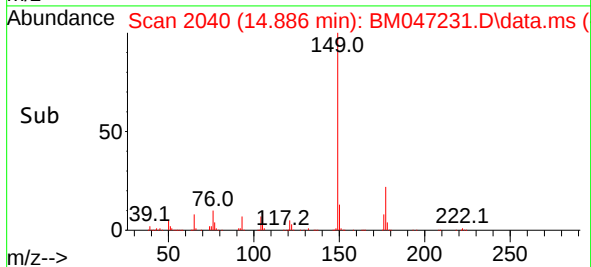
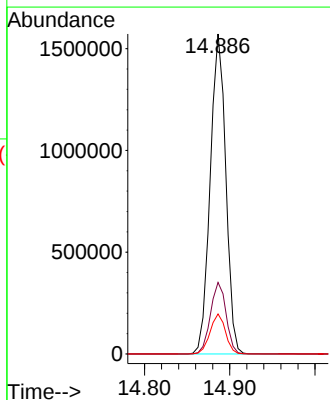
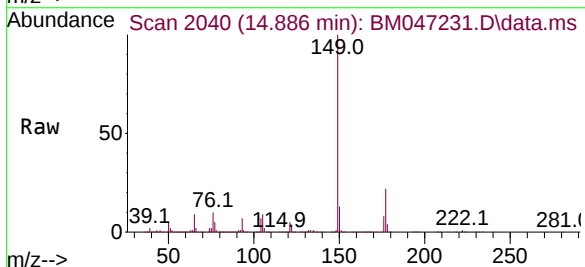
Instrument :
BNA_M
ClientSampleId :
PB162729BS

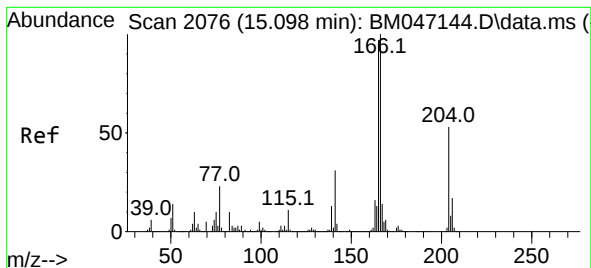
Tgt Ion:232 Resp: 550877
Ion Ratio Lower Upper
232 100
131 41.8 36.9 55.3
130 2.3 2.0 3.0
166 31.3 26.4 39.6



#60
Diethylphthalate
Concen: 40.547 ng
RT: 14.886 min Scan# 2040
Delta R.T. -0.012 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

Tgt Ion:149 Resp: 1996538
Ion Ratio Lower Upper
149 100
177 22.4 17.6 26.4
150 12.5 9.8 14.6

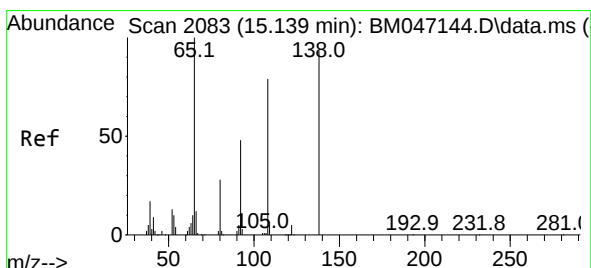
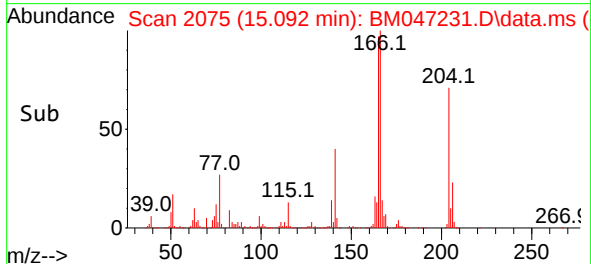
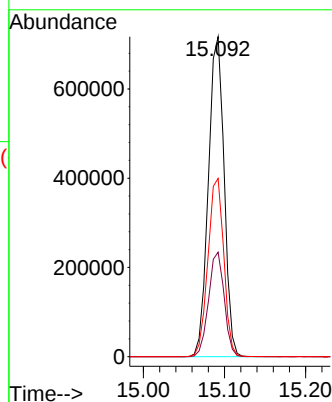
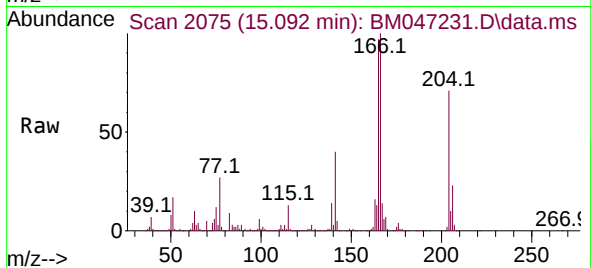




#61
4-Chlorophenyl-phenylether
Concen: 43.269 ng
RT: 15.092 min Scan# 2076
Delta R.T. -0.006 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

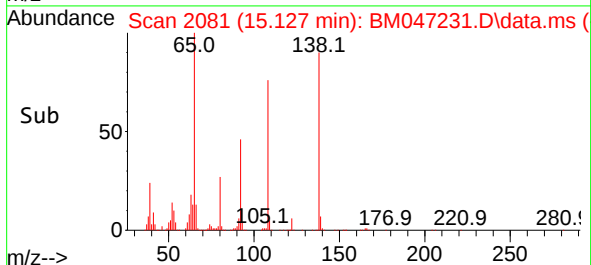
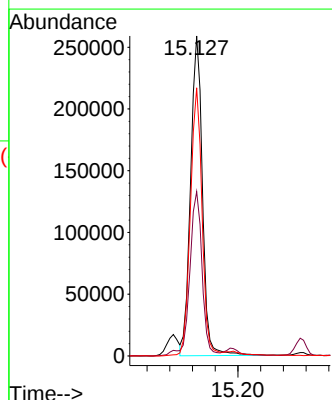
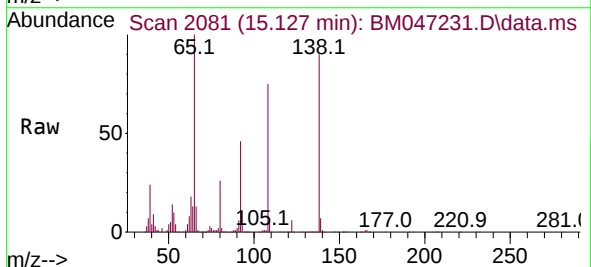
Instrument :
BNA_M
ClientSampleId :
PB162729BS

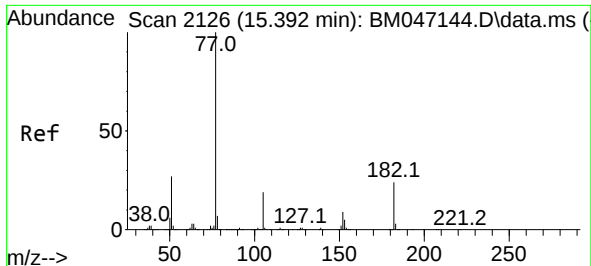
Tgt Ion:204 Resp: 964358
Ion Ratio Lower Upper
204 100
206 32.6 26.2 39.4
141 55.7 47.2 70.8



#62
4-Nitroaniline
Concen: 33.850 ng
RT: 15.127 min Scan# 2081
Delta R.T. -0.012 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

Tgt Ion:138 Resp: 376659
Ion Ratio Lower Upper
138 100
92 51.4 31.9 71.9
108 83.8 63.8 103.8



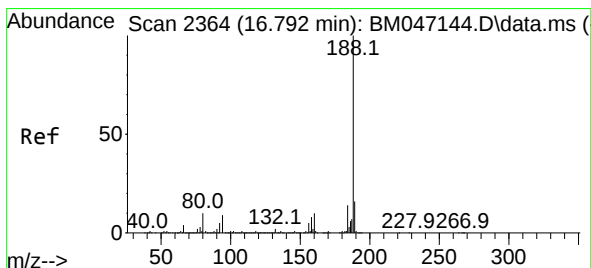
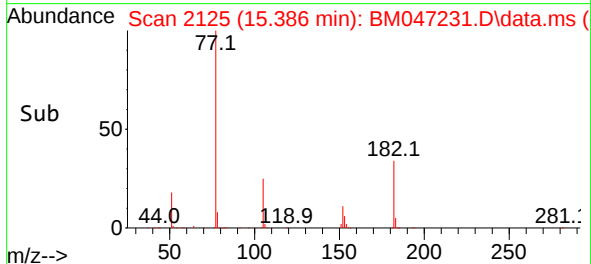
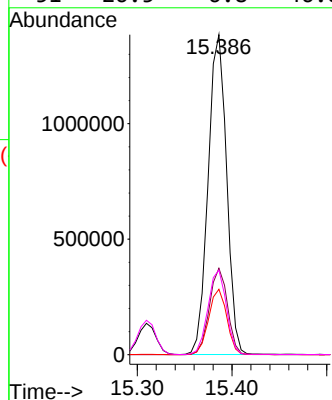
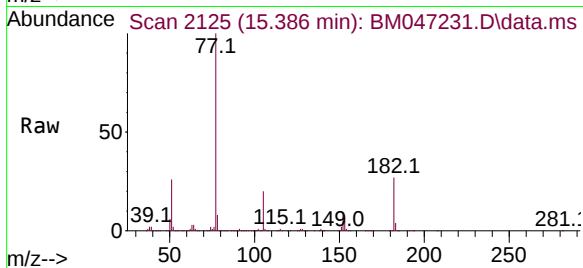


#63
Azobenzene
Concen: 40.127 ng
RT: 15.386 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

Instrument :
BNA_M
ClientSampleId :
PB162729BS

Tgt Ion: 77 Resp: 1873443

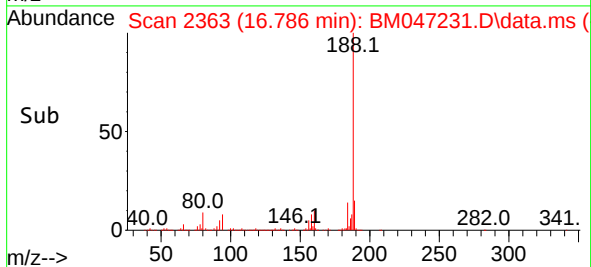
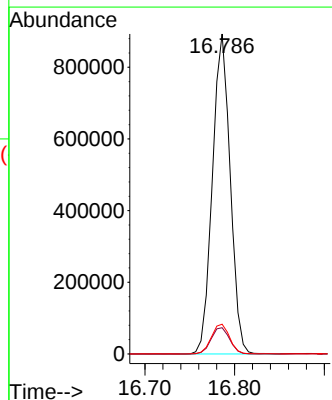
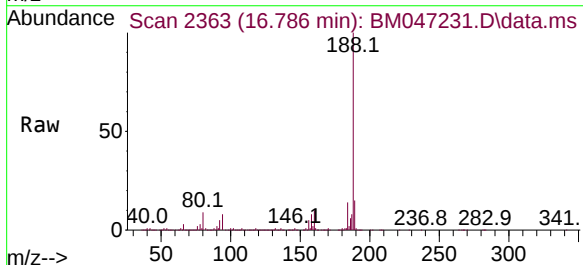
Ion	Ratio	Lower	Upper
77	100		
182	27.0	3.8	43.8
105	20.5	0.0	39.5
51	26.5	6.8	46.8

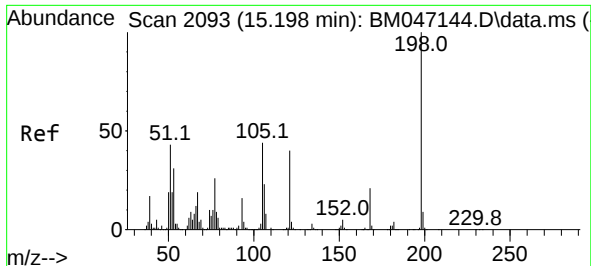


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.786 min Scan# 2363
Delta R.T. -0.006 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

Tgt Ion:188 Resp: 1230071

Ion	Ratio	Lower	Upper
188	100		
94	8.2	7.0	10.6
80	9.3	8.0	12.0





#65
4,6-Dinitro-2-methylphenol
Concen: 48.457 ng
RT: 15.192 min Scan# 2092
Delta R.T. -0.006 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

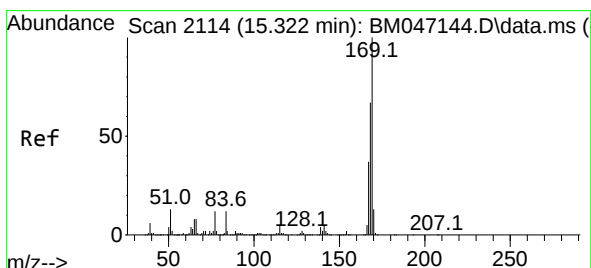
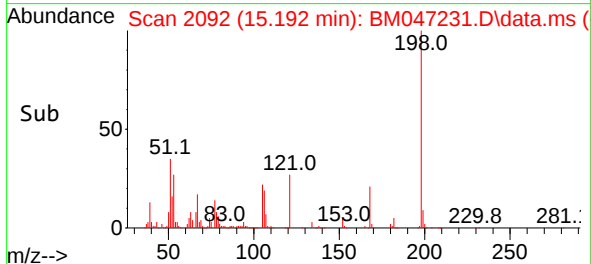
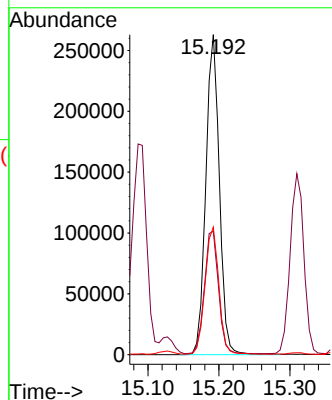
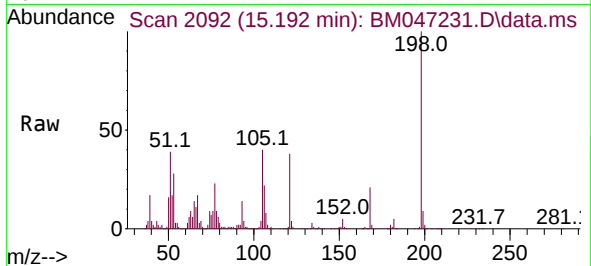
Instrument :

BNA_M

ClientSampleId :

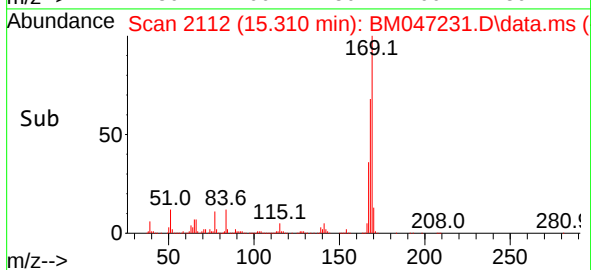
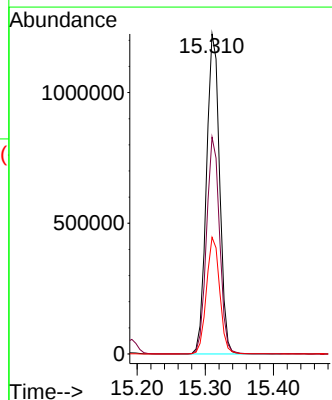
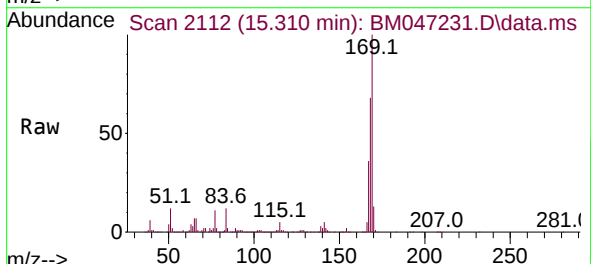
PB162729BS

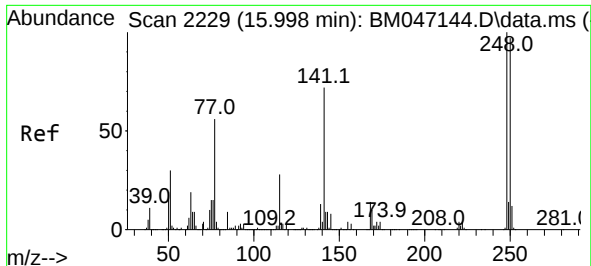
Tgt Ion:198 Resp: 348978
Ion Ratio Lower Upper
198 100
51 38.6 23.9 63.9
105 39.8 24.3 64.3



#66
n-Nitrosodiphenylamine
Concen: 48.986 ng
RT: 15.310 min Scan# 2112
Delta R.T. -0.012 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

Tgt Ion:169 Resp: 1641247
Ion Ratio Lower Upper
169 100
168 67.8 53.8 80.8
167 36.4 29.3 43.9

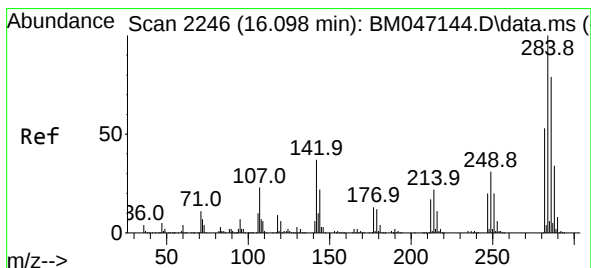
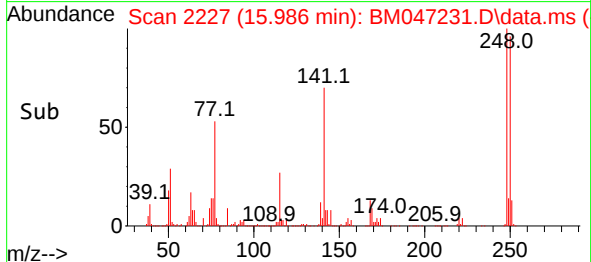
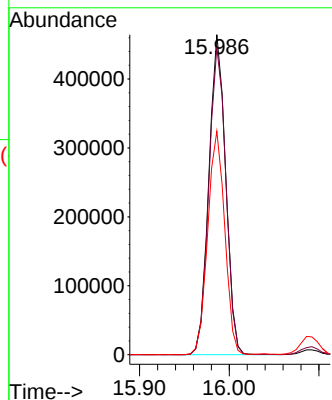
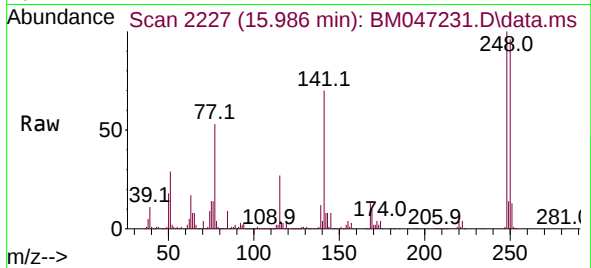




#67
4-Bromophenyl-phenylether
Concen: 50.990 ng
RT: 15.986 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

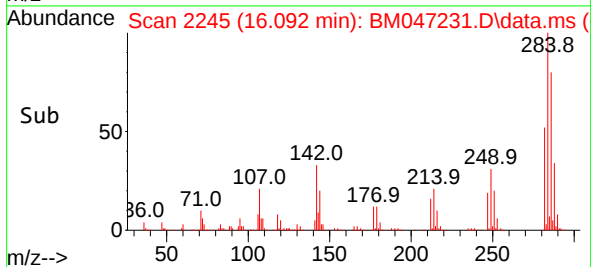
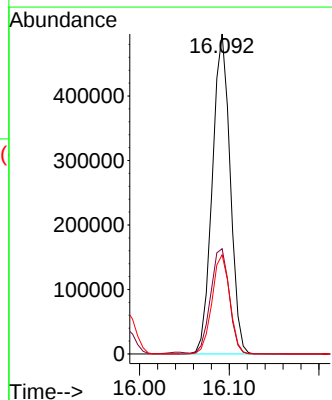
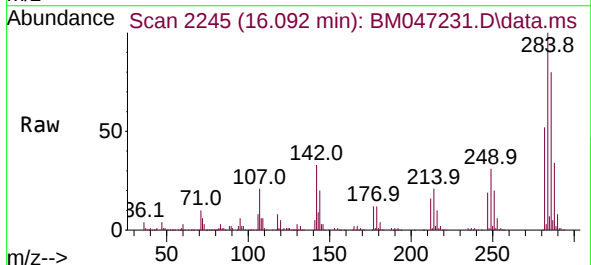
Instrument :
BNA_M
ClientSampleId :
PB162729BS

Tgt Ion:248 Resp: 604394
Ion Ratio Lower Upper
248 100
250 96.0 77.8 116.8
141 69.8 57.7 86.5



#68
Hexachlorobenzene
Concen: 48.163 ng
RT: 16.092 min Scan# 2245
Delta R.T. -0.006 min
Lab File: BM047231.D
Acq: 16 Aug 2024 12:26

Tgt Ion:284 Resp: 683723
Ion Ratio Lower Upper
284 100
142 32.9 29.4 44.0
249 31.0 25.1 37.7





#69

Atrazine

Concen: 48.293 ng

RT: 16.286 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

Instrument :

BNA_M

ClientSampleId :

PB162729BS

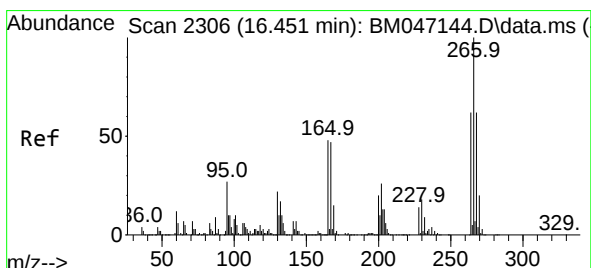
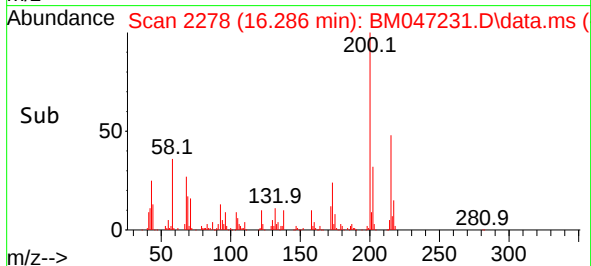
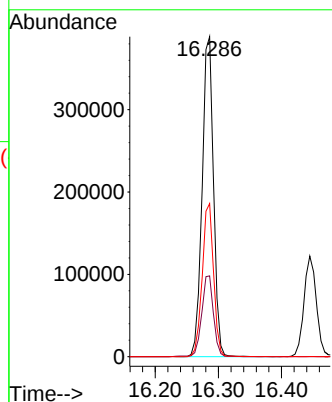
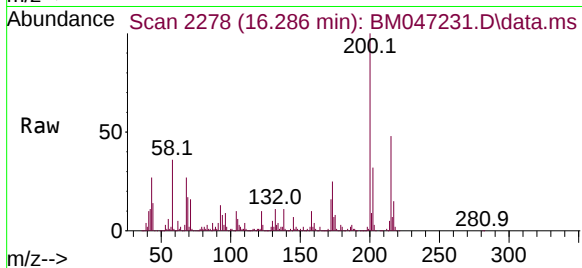
Tgt Ion:200 Resp: 486883

Ion Ratio Lower Upper

200 100

173 25.3 6.1 46.1

215 47.9 26.8 66.8



#70

Pentachlorophenol

Concen: 85.500 ng

RT: 16.445 min Scan# 2305

Delta R.T. -0.006 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

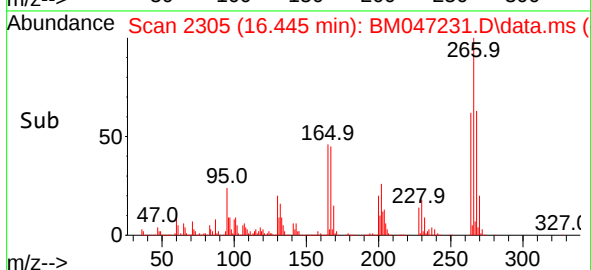
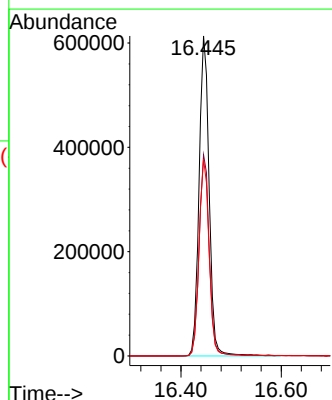
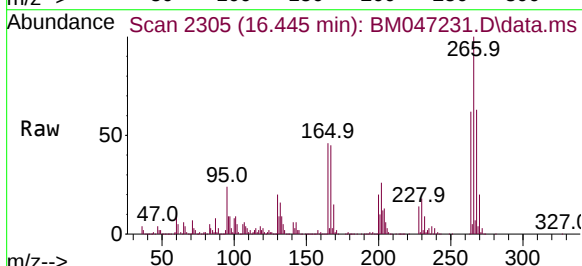
Tgt Ion:266 Resp: 850825

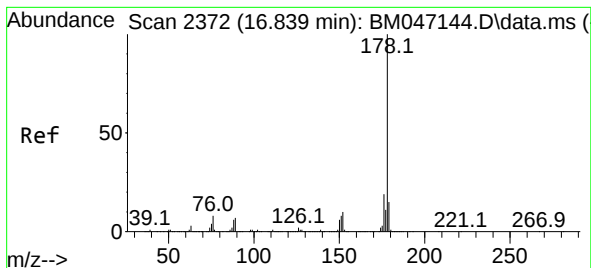
Ion Ratio Lower Upper

266 100

268 62.9 49.8 74.6

264 61.6 49.6 74.4





#71

Phenanthrene

Concen: 45.774 ng

RT: 16.827 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

Instrument :

BNA_M

ClientSampleId :

PB162729BS

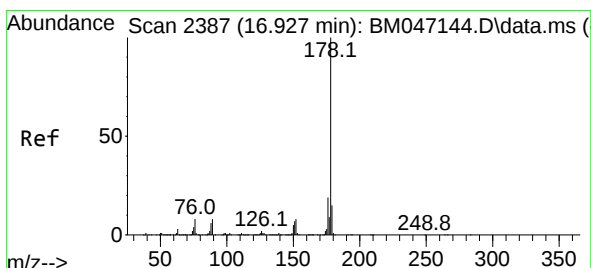
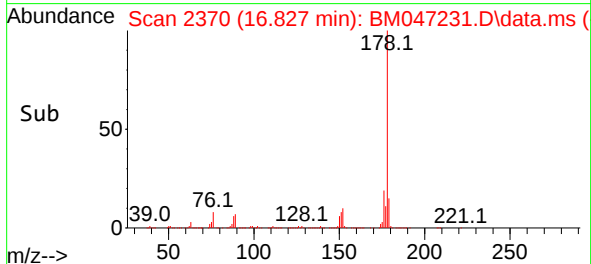
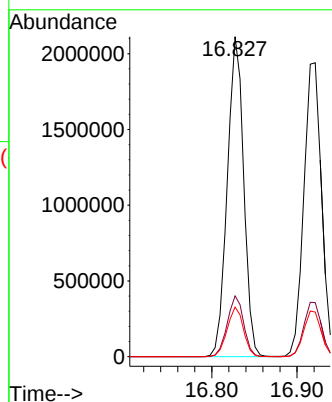
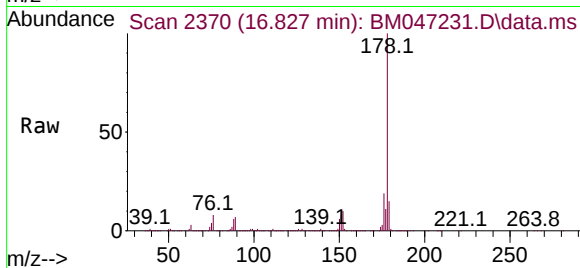
Tgt Ion:178 Resp: 2825756

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 15.5 12.4 18.6



#72

Anthracene

Concen: 46.664 ng

RT: 16.921 min Scan# 2386

Delta R.T. -0.006 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

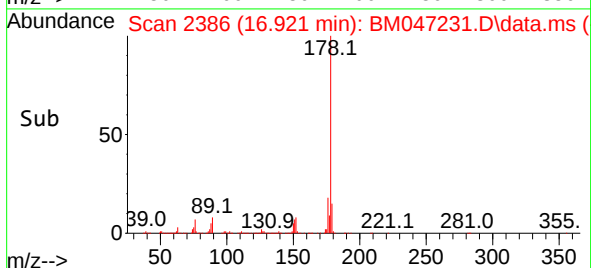
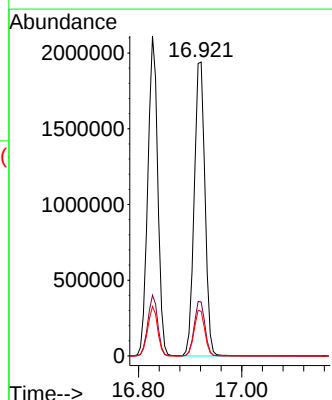
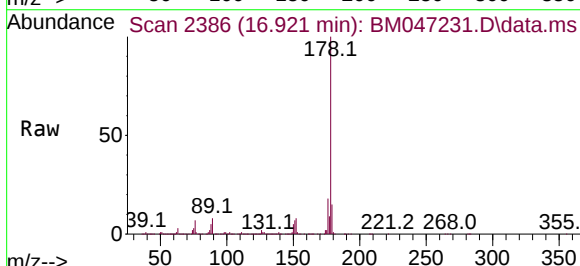
Tgt Ion:178 Resp: 2802943

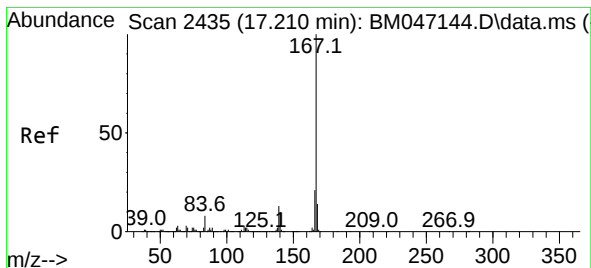
Ion Ratio Lower Upper

178 100

176 18.4 14.8 22.2

179 15.2 12.4 18.6





#73

Carbazole

Concen: 42.123 ng

RT: 17.198 min Scan# 24

Delta R.T. -0.012 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

Instrument :

BNA_M

ClientSampleId :

PB162729BS

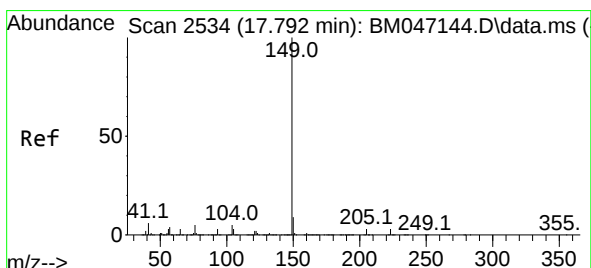
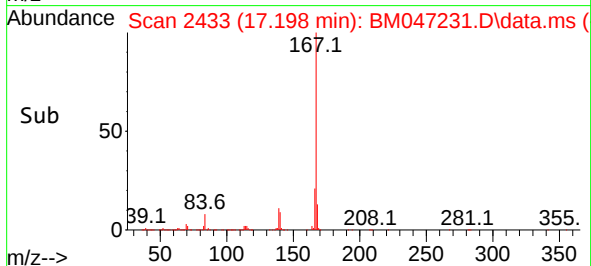
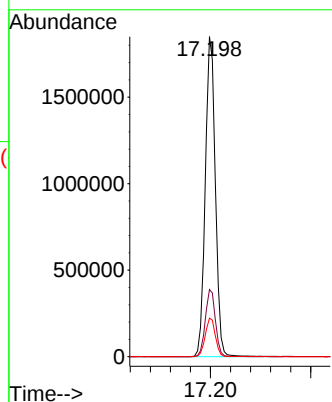
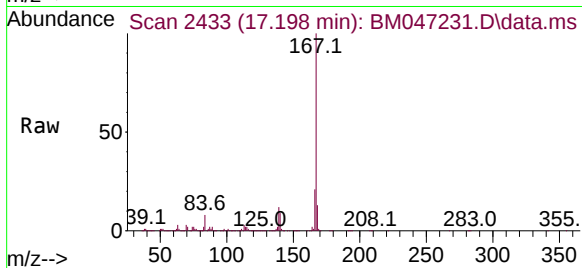
Tgt Ion:167 Resp: 2583371

Ion Ratio Lower Upper

167 100

166 21.0 17.1 25.7

139 12.0 10.0 15.0



#74

Di-n-butylphthalate

Concen: 45.089 ng

RT: 17.786 min Scan# 2533

Delta R.T. -0.006 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

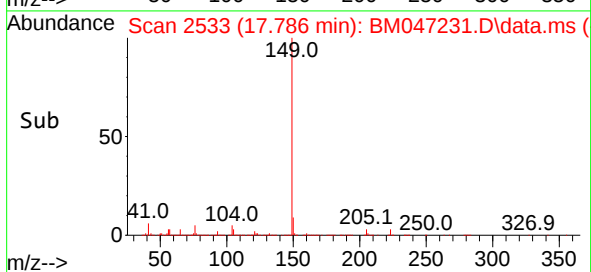
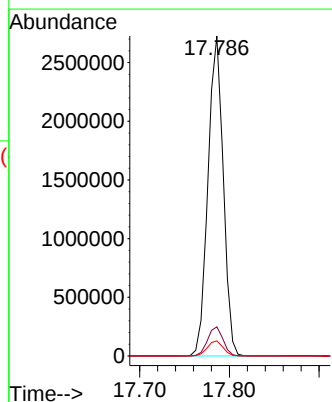
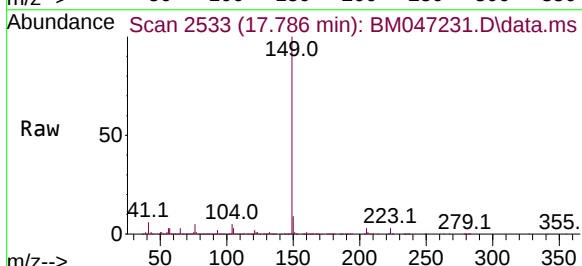
Tgt Ion:149 Resp: 3217655

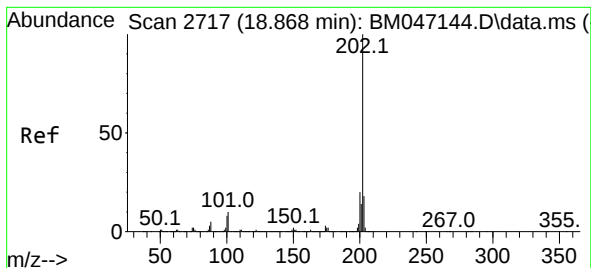
Ion Ratio Lower Upper

149 100

150 9.1 7.5 11.3

104 4.7 4.1 6.1





#75

Fluoranthene

Concen: 39.992 ng

RT: 18.862 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

Instrument :

BNA_M

ClientSampleId :

PB162729BS

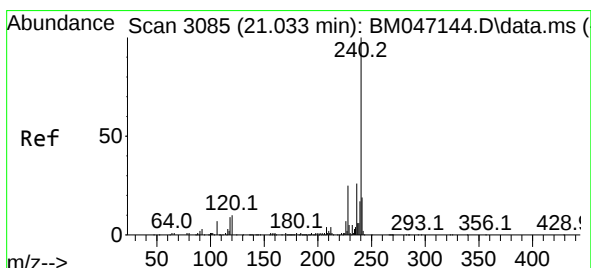
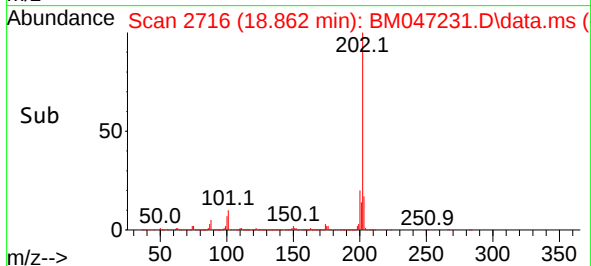
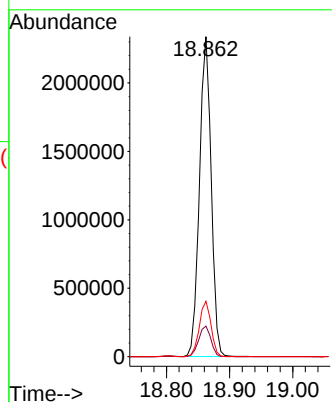
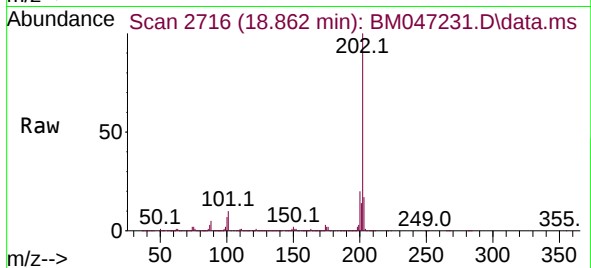
Tgt Ion:202 Resp: 3002840

Ion Ratio Lower Upper

202 100

101 9.5 0.0 30.2

203 17.3 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.021 min Scan# 3083

Delta R.T. -0.012 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

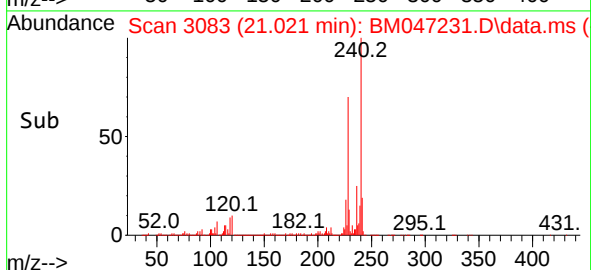
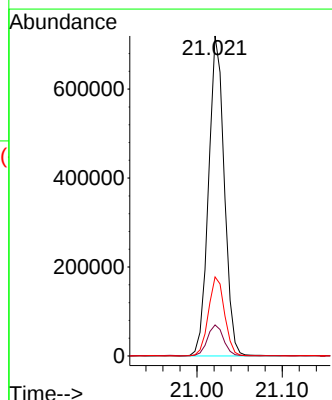
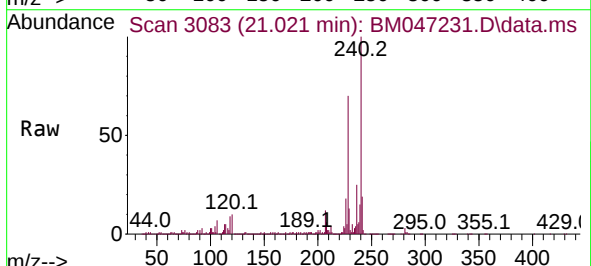
Tgt Ion:240 Resp: 922113

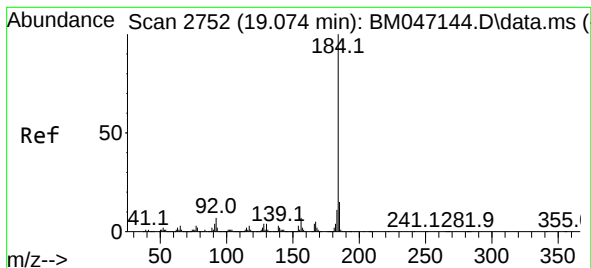
Ion Ratio Lower Upper

240 100

120 9.7 8.2 12.2

236 24.7 20.6 30.8





#77

Benzidine

Concen: 44.459 ng

RT: 19.068 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

Instrument :

BNA_M

ClientSampleId :

PB162729BS

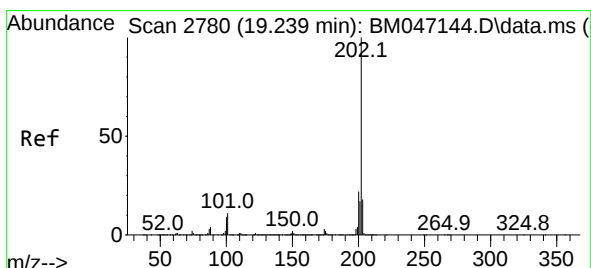
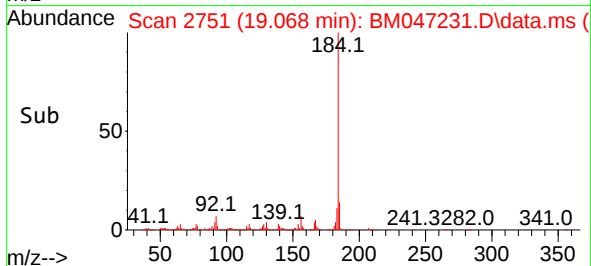
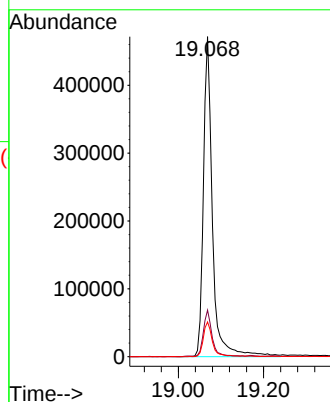
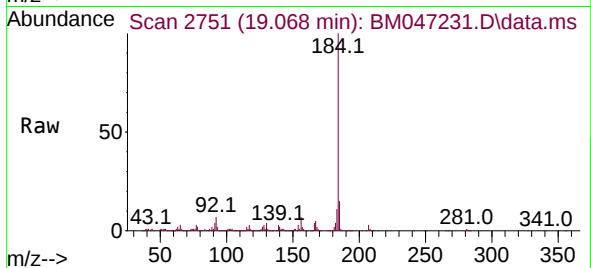
Tgt Ion:184 Resp: 695227

Ion Ratio Lower Upper

184 100

185 14.5 11.8 17.6

183 10.8 9.0 13.6



#78

Pyrene

Concen: 47.297 ng

RT: 19.227 min Scan# 2778

Delta R.T. -0.012 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

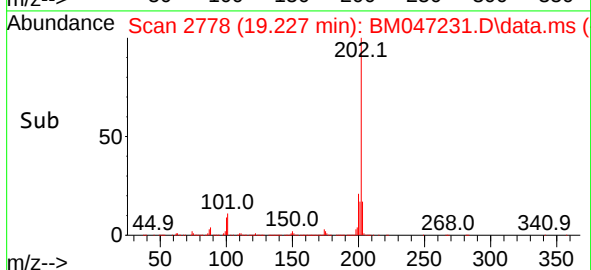
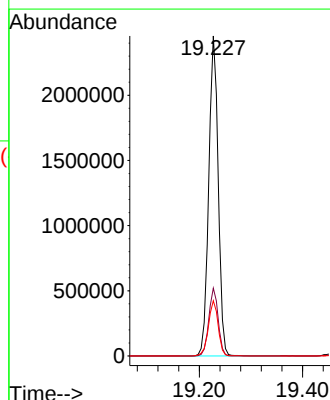
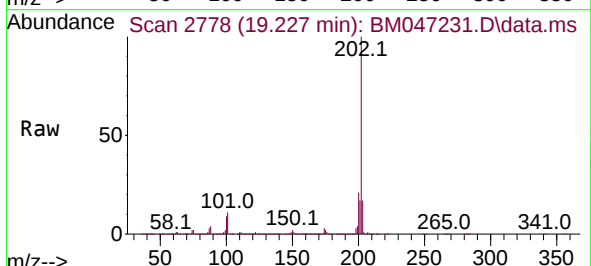
Tgt Ion:202 Resp: 3114080

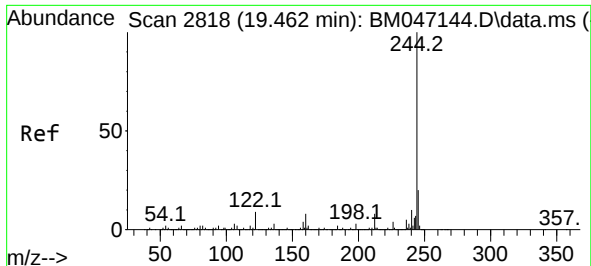
Ion Ratio Lower Upper

202 100

200 21.2 17.2 25.8

203 17.3 14.2 21.2

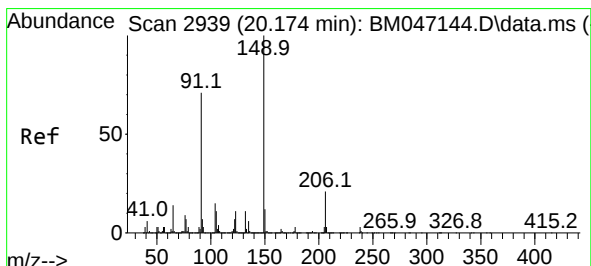
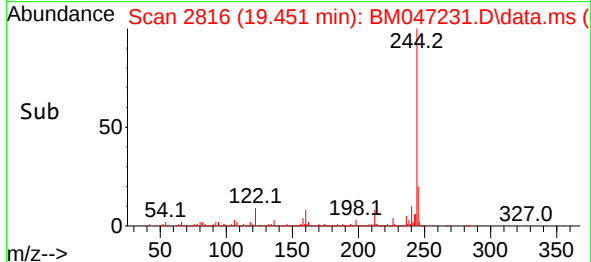
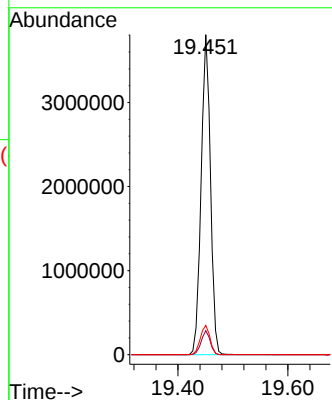
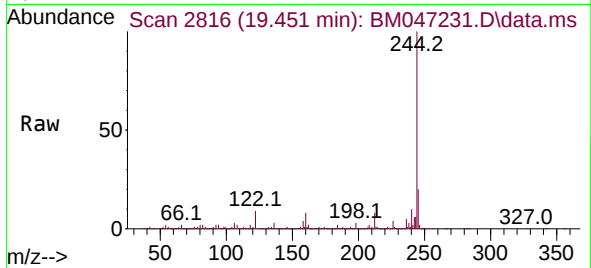




#79
 Terphenyl-d14
 Concen: 104.487 ng
 RT: 19.451 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM047231.D
 Acq: 16 Aug 2024 12:26

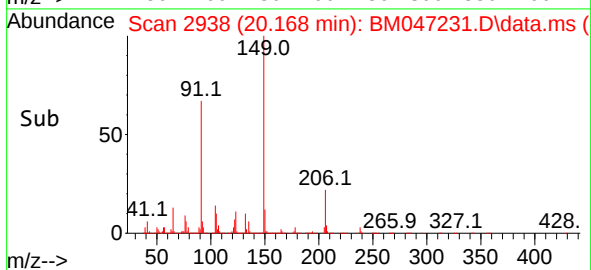
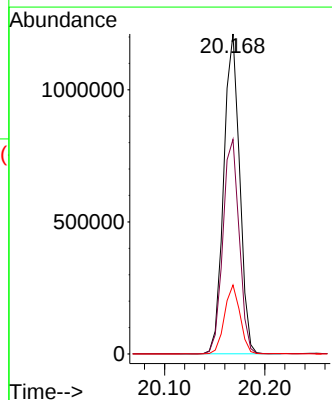
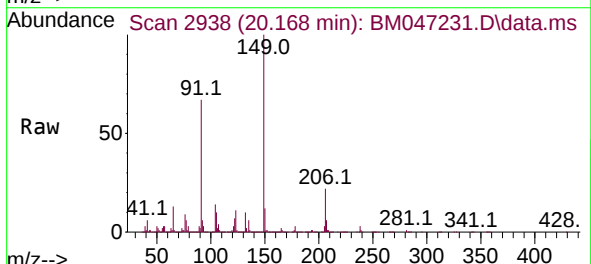
Instrument :
 BNA_M
 ClientSampleId :
 PB162729BS

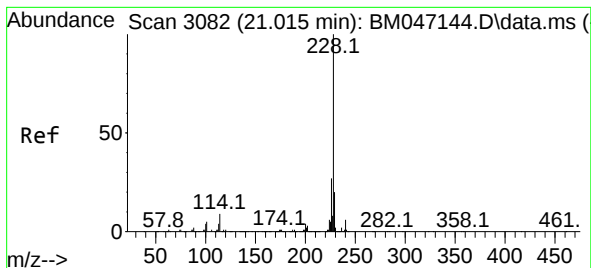
Tgt Ion:244 Resp: 4496493
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.4
 122 9.1 7.1 10.7



#80
 Butylbenzylphthalate
 Concen: 49.537 ng
 RT: 20.168 min Scan# 2938
 Delta R.T. -0.006 min
 Lab File: BM047231.D
 Acq: 16 Aug 2024 12:26

Tgt Ion:149 Resp: 1331059
 Ion Ratio Lower Upper
 149 100
 91 67.1 57.0 85.4
 206 21.5 16.4 24.6





#81

Benzo(a)anthracene

Concen: 47.486 ng

RT: 21.009 min Scan# 30

Delta R.T. -0.006 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

Instrument :

BNA_M

ClientSampleId :

PB162729BS

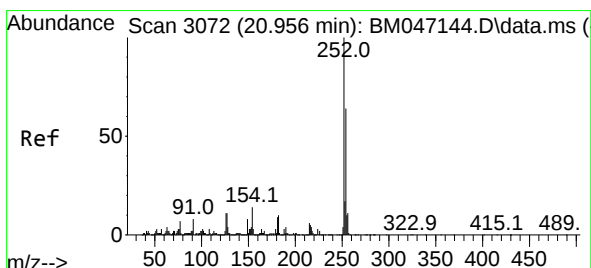
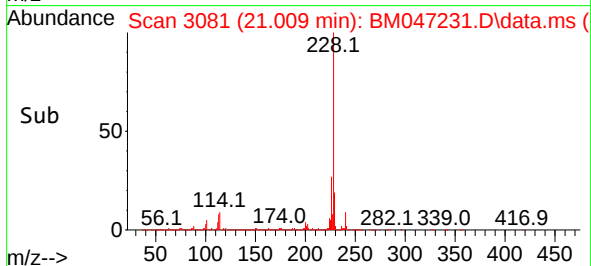
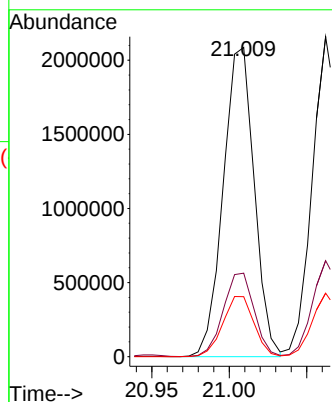
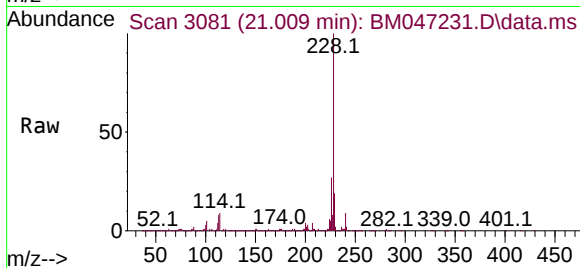
Tgt Ion:228 Resp: 2906884

Ion Ratio Lower Upper

228 100

226 27.0 21.8 32.6

229 19.4 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 47.351 ng

RT: 20.951 min Scan# 3071

Delta R.T. -0.006 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

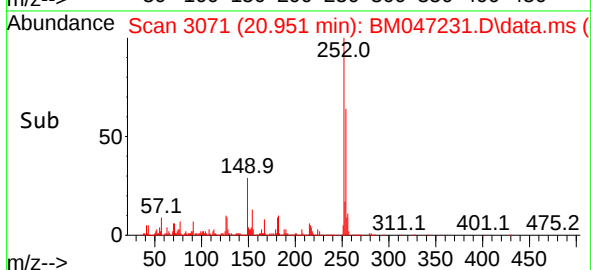
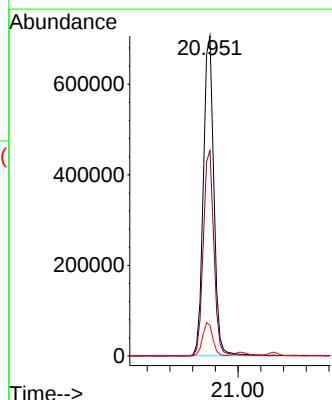
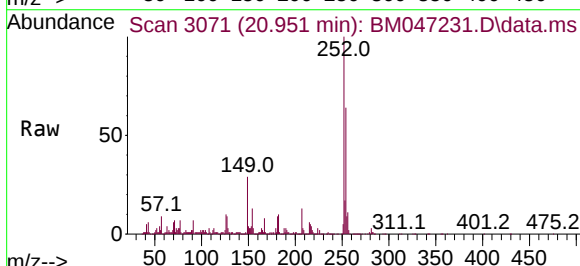
Tgt Ion:252 Resp: 906917

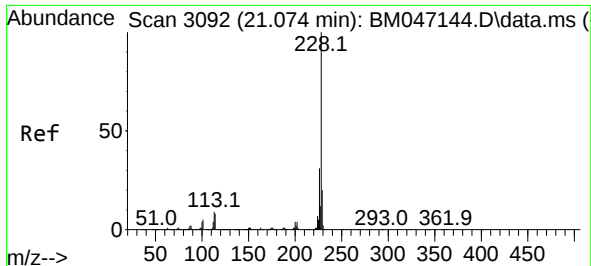
Ion Ratio Lower Upper

252 100

254 64.1 51.0 76.6

126 9.6 8.5 12.7





#83

Chrysene

Concen: 46.974 ng

RT: 21.062 min Scan# 3092

Delta R.T. -0.012 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

Instrument :

BNA_M

ClientSampleId :

PB162729BS

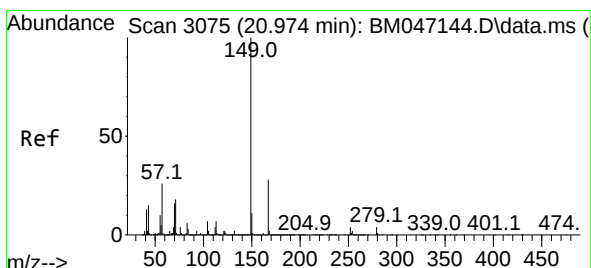
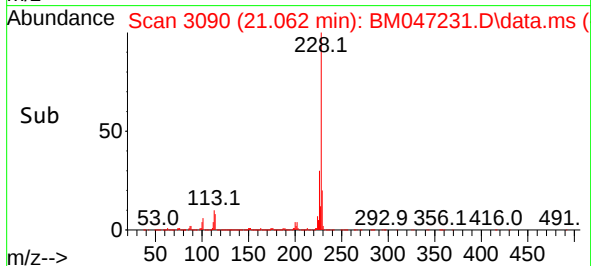
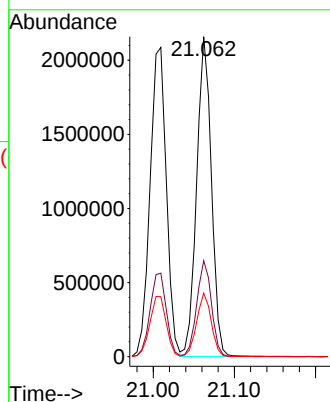
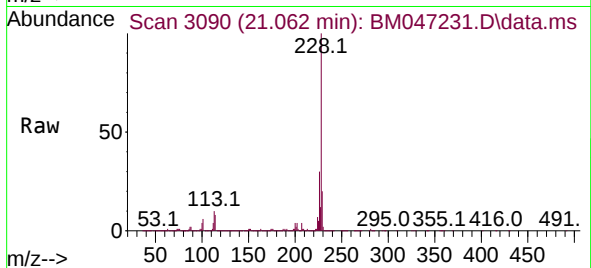
Tgt Ion:228 Resp: 2728210

Ion Ratio Lower Upper

228 100

226 30.0 24.4 36.6

229 19.9 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.711 ng

RT: 20.968 min Scan# 3074

Delta R.T. -0.006 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

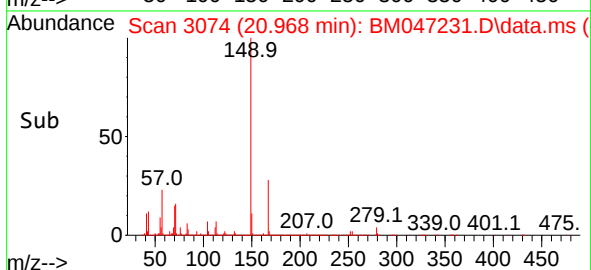
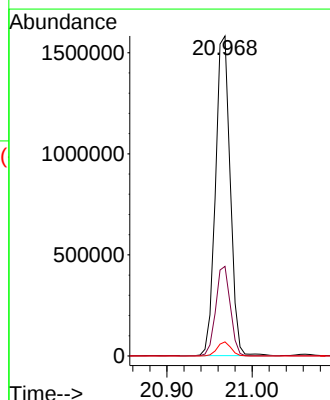
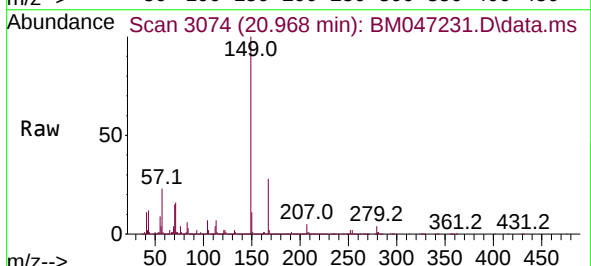
Tgt Ion:149 Resp: 1894299

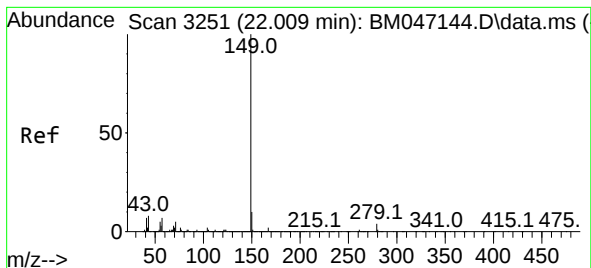
Ion Ratio Lower Upper

149 100

167 28.0 22.2 33.2

279 4.4 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 50.655 ng

RT: 21.997 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

Instrument :

BNA_M

ClientSampleId :

PB162729BS

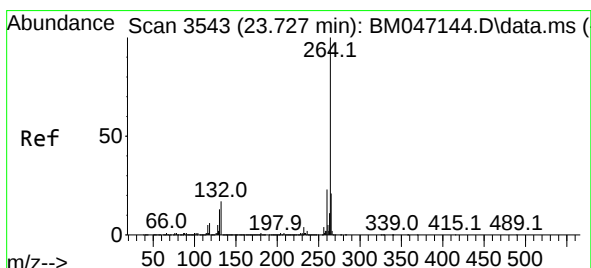
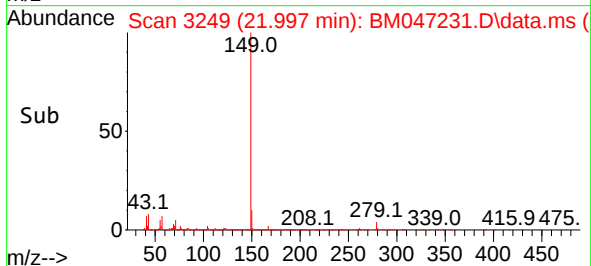
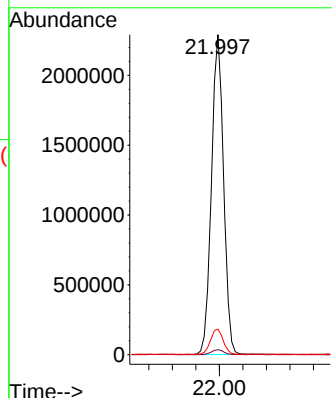
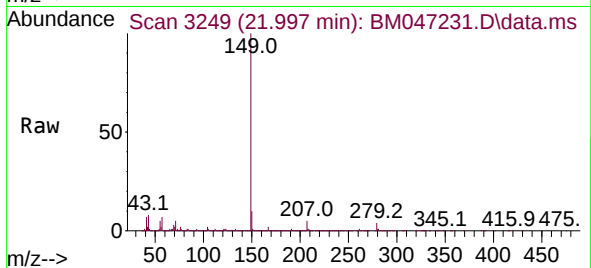
Tgt Ion:149 Resp: 3280878

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.3 6.9 10.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.715 min Scan# 3541

Delta R.T. -0.012 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

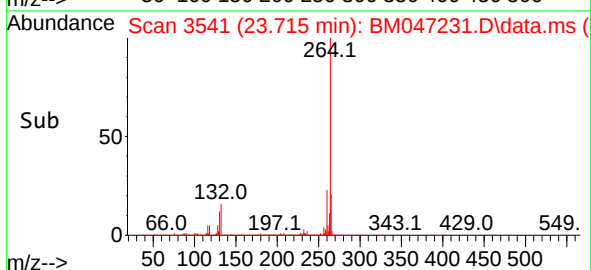
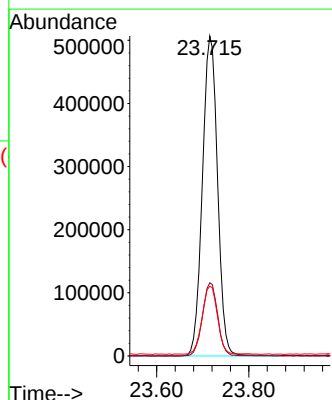
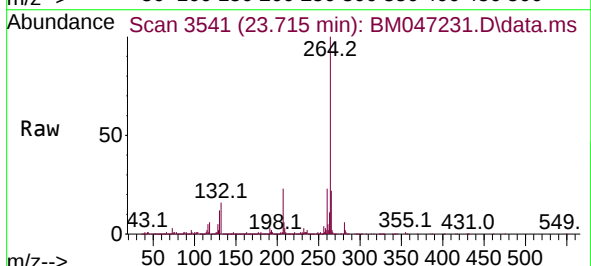
Tgt Ion:264 Resp: 1160775

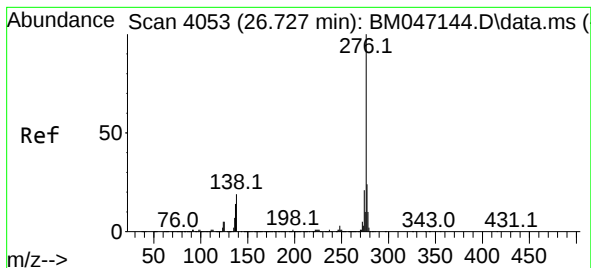
Ion Ratio Lower Upper

264 100

260 22.9 18.5 27.7

265 21.8 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 58.368 ng

RT: 26.709 min Scan# 4053

Delta R.T. -0.018 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

Instrument :

BNA_M

ClientSampleId :

PB162729BS

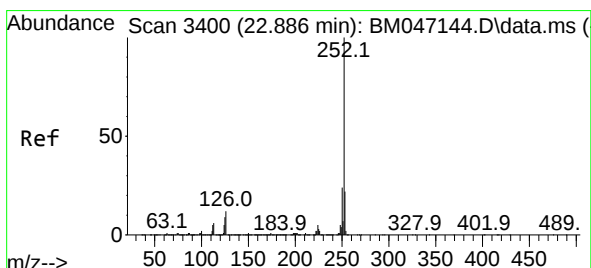
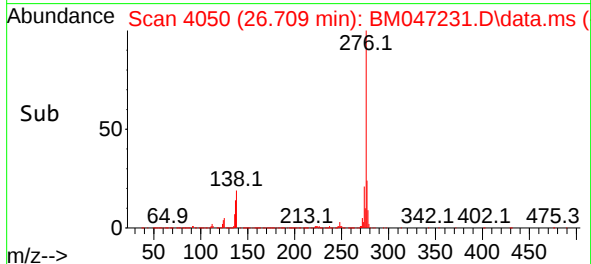
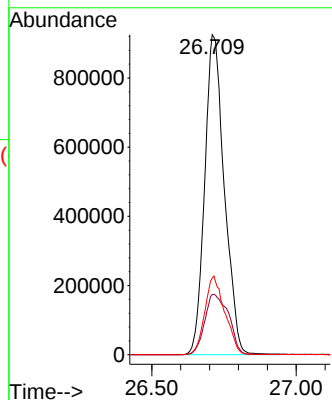
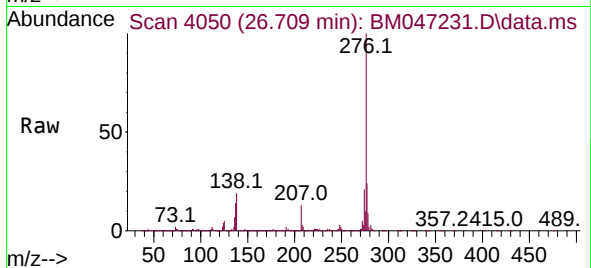
Tgt Ion:276 Resp: 4379330

Ion Ratio Lower Upper

276 100

138 23.0 19.4 29.0

277 25.1 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 47.084 ng

RT: 22.874 min Scan# 3398

Delta R.T. -0.012 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

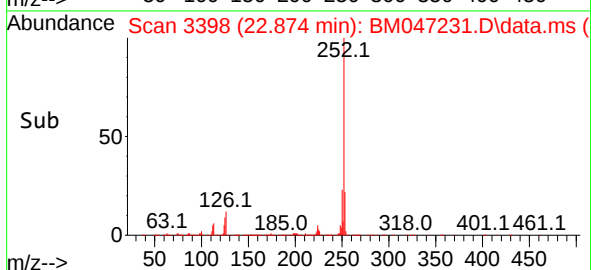
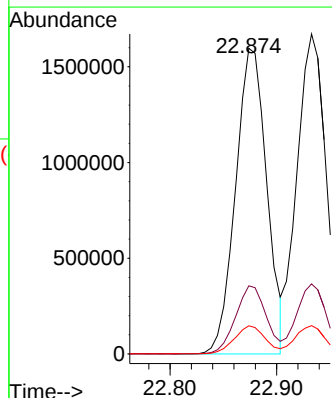
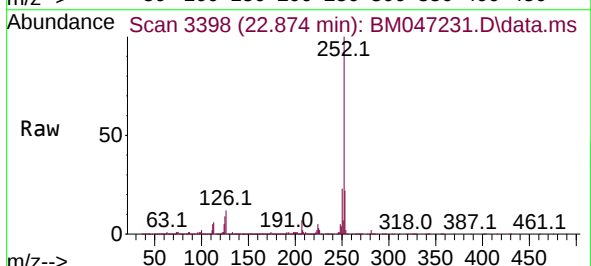
Tgt Ion:252 Resp: 3245694

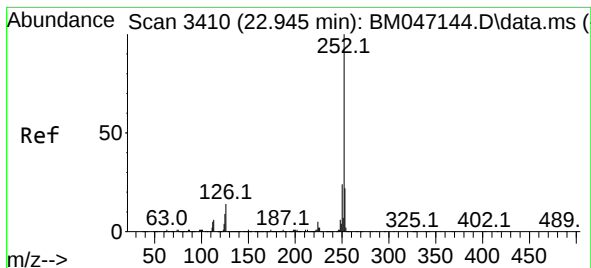
Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

125 9.2 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 48.775 ng

RT: 22.933 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

Instrument :

BNA_M

ClientSampleId :

PB162729BS

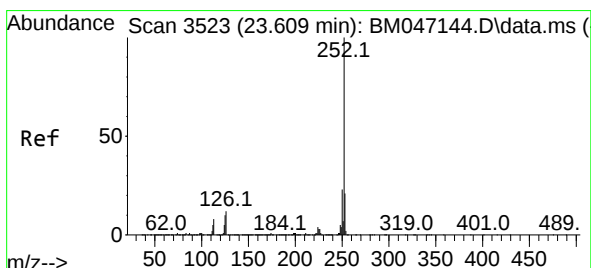
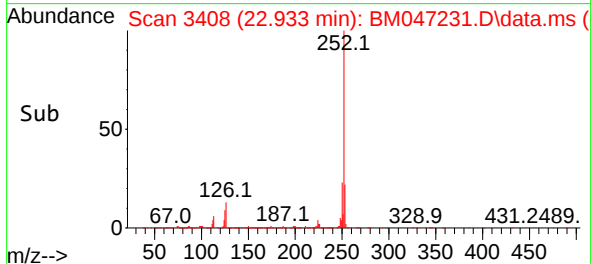
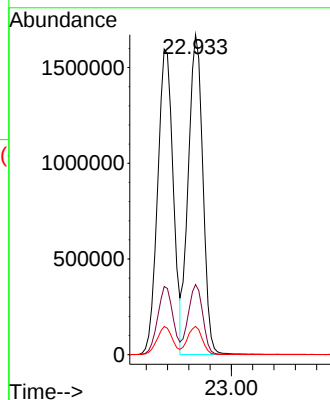
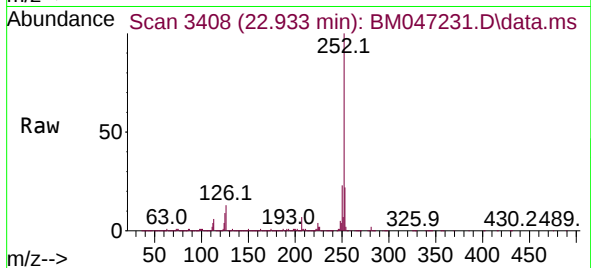
Tgt Ion:252 Resp: 3175767

Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

125 8.9 7.4 11.2



#90

Benzo(a)pyrene

Concen: 52.660 ng

RT: 23.592 min Scan# 3520

Delta R.T. -0.018 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

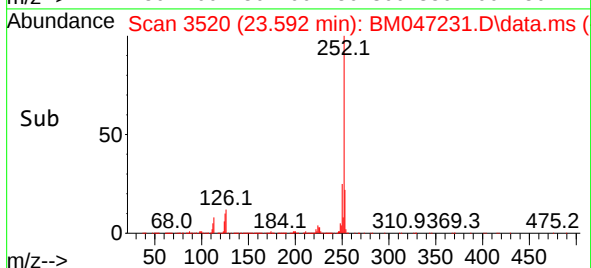
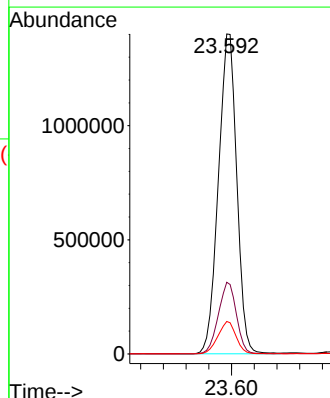
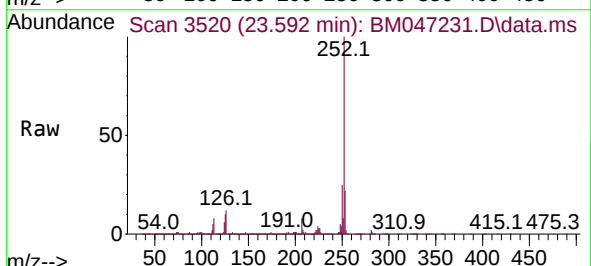
Tgt Ion:252 Resp: 3144612

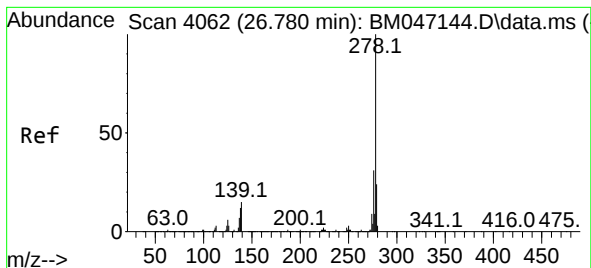
Ion Ratio Lower Upper

252 100

253 22.4 17.1 25.7

125 10.1 8.2 12.2





#91

Dibenzo(a,h)anthracene

Concen: 57.555 ng

RT: 26.762 min Scan# 4062

Delta R.T. -0.018 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

Instrument :

BNA_M

ClientSampleId :

PB162729BS

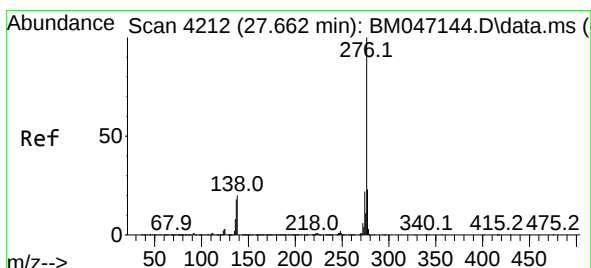
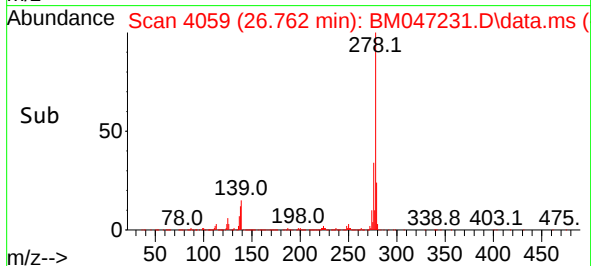
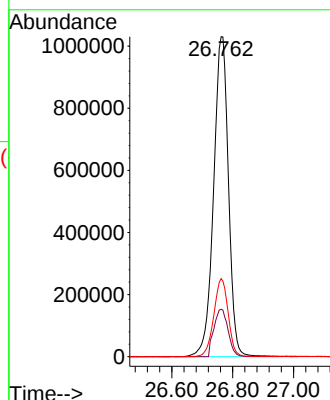
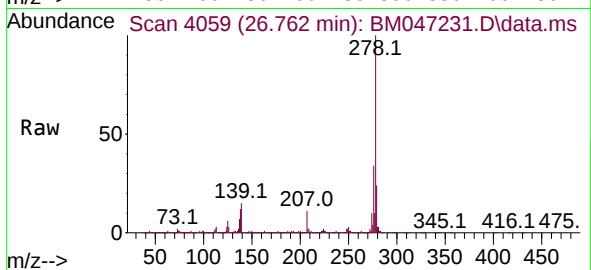
Tgt Ion:278 Resp: 3494731

Ion Ratio Lower Upper

278 100

139 14.8 12.0 18.0

279 24.4 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 56.234 ng

RT: 27.644 min Scan# 4209

Delta R.T. -0.018 min

Lab File: BM047231.D

Acq: 16 Aug 2024 12:26

Tgt Ion:276 Resp: 3545130

Ion Ratio Lower Upper

276 100

277 23.7 18.8 28.2

138 20.1 16.2 24.4

