

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
 Data File : BM047531.D
 Acq On : 14 Sep 2024 19:51
 Operator : RC/JU
 Sample : PB163160BSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB163160BSD

Quant Time: Sep 16 01:17:51 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Sep 15 08:56:37 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.851	152	915153	20.000	ng	0.00
21) Naphthalene-d8	10.651	136	4067259	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	2341128	20.000	ng	0.00
64) Phenanthrene-d10	17.215	188	4194273	20.000	ng	0.00
76) Chrysene-d12	21.445	240	2967510	20.000	ng	0.00
86) Perylene-d12	24.468	264	2038940	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	8708263	151.510	ng	0.00
7) Phenol-d6	7.028	99	11070072	136.763	ng	0.02
23) Nitrobenzene-d5	9.010	82	6487917	79.831	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	3030806	133.934	ng	0.00
45) 2-Fluorobiphenyl	13.110	172	13235502	77.878	ng	0.00
79) Terphenyl-d14	19.827	244	13042094	78.755	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.322	88	568192	23.080	ng	99
3) Pyridine	3.716	79	1292287	17.635	ng	98
4) n-Nitrosodimethylamine	3.628	42	1404305	42.237	ng	# 98
6) Aniline	7.193	93	1441878	20.093	ng	99
8) 2-Chlorophenol	7.422	128	3027218	47.777	ng	97
9) Benzaldehyde	6.987	77	194829	5.062	ng	97
10) Phenol	7.051	94	3982655	49.140	ng	97
11) bis(2-Chloroethyl)ether	7.275	93	2884917	44.338	ng	99
12) 1,3-Dichlorobenzene	7.745	146	2911633	41.983	ng	98
13) 1,4-Dichlorobenzene	7.887	146	3013656	42.663	ng	99
14) 1,2-Dichlorobenzene	8.204	146	2938336	42.267	ng	99
15) Benzyl Alcohol	8.093	79	2650169	48.336	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.375	45	3966084	43.331	ng	99
17) 2-Methylphenol	8.293	107	2459080	47.495	ng	99
18) Hexachloroethane	8.940	117	1160992	41.143	ng	98
19) n-Nitroso-di-n-propyla...	8.669	70	2379092	43.593	ng	96
20) 3+4-Methylphenols	8.628	107	3375226	46.720	ng	99
22) Acetophenone	8.675	105	4242210	39.673	ng	# 98
24) Nitrobenzene	9.051	77	3306331	39.592	ng	99
25) Isophorone	9.587	82	6095578	42.663	ng	98
26) 2-Nitrophenol	9.757	139	1427182	50.152	ng	97
27) 2,4-Dimethylphenol	9.822	122	2159575	50.062	ng	99
28) bis(2-Chloroethoxy)met...	10.063	93	3738646	41.658	ng	100
29) 2,4-Dichlorophenol	10.298	162	2626663	47.926	ng	99
30) 1,2,4-Trichlorobenzene	10.516	180	2649083	42.197	ng	99
31) Naphthalene	10.698	128	9220476	41.976	ng	99
32) Benzoic acid	10.016	122	1763745	42.387	ng	97
33) 4-Chloroaniline	10.804	127	1486245	18.714	ng	99
34) Hexachlorobutadiene	10.992	225	1400525	40.277	ng	99
35) Caprolactam	11.616	113	346296	19.184	ng	95
36) 4-Chloro-3-methylphenol	11.933	107	2861796	45.564	ng	99
37) 2-Methylnaphthalene	12.310	142	6472913	44.275	ng	99
38) 1-Methylnaphthalene	12.528	142	5920620	40.751	ng	99
40) 1,2,4,5-Tetrachloroben...	12.680	216	2736865	43.203	ng	99
41) Hexachlorocyclopentadiene	12.669	237	2026060	97.832	ng	98
43) 2,4,6-Trichlorophenol	12.916	196	1869709	47.110	ng	99

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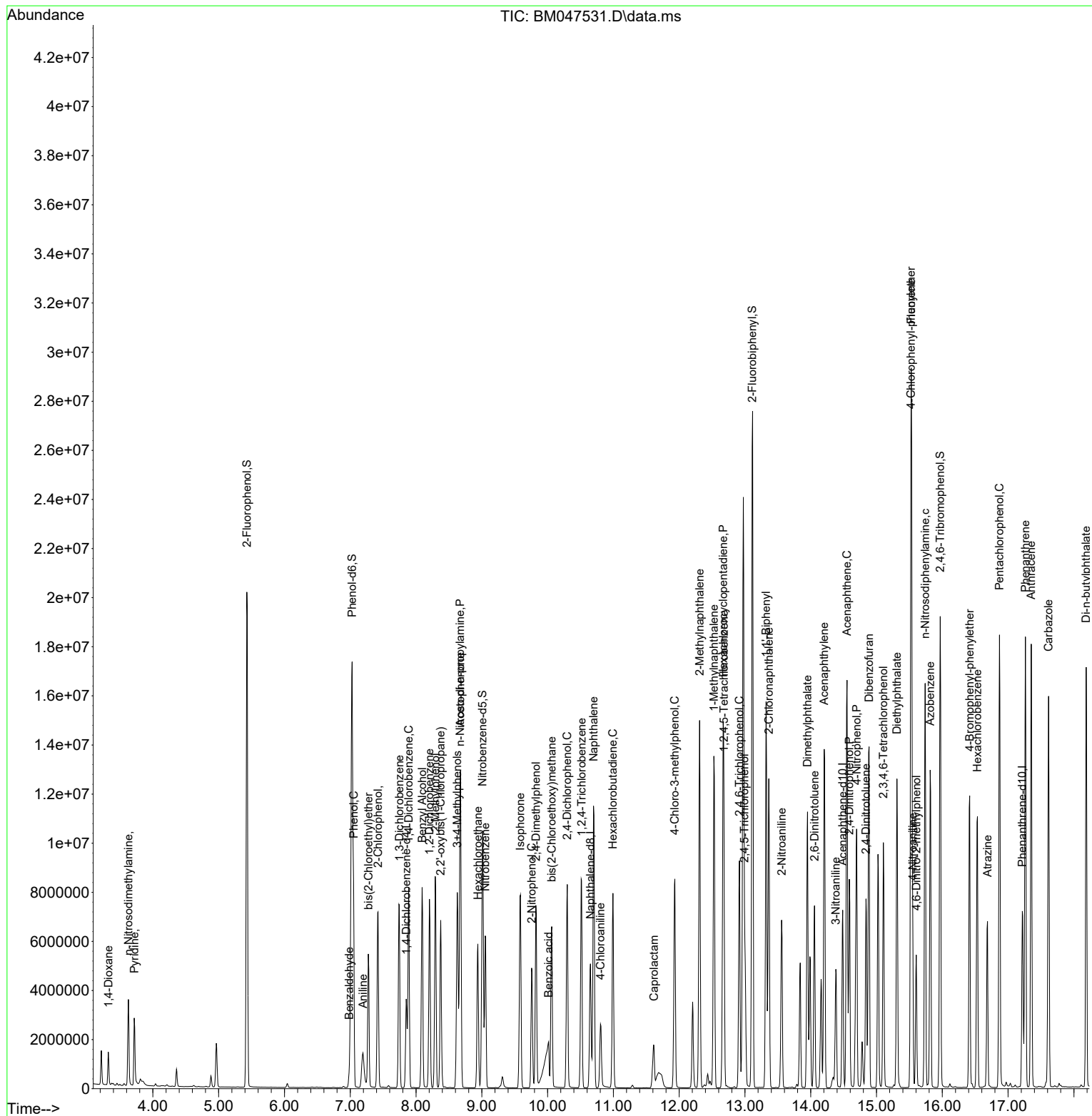
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.992	196	2127335	47.456	ng	97
46) 1,1'-Biphenyl	13.322	154	7279022	39.961	ng	99
47) 2-Chloronaphthalene	13.363	162	5891760	41.656	ng	99
48) 2-Nitroaniline	13.557	65	1828124	44.006	ng	94
49) Acenaphthylene	14.204	152	9508223	46.585	ng	99
50) Dimethylphthalate	13.951	163	6791885	42.564	ng	99
51) 2,6-Dinitrotoluene	14.057	165	1384837	41.111	ng	96
52) Acenaphthene	14.551	154	5853063	40.928	ng	98
53) 3-Nitroaniline	14.380	138	1178112	31.466	ng	96
54) 2,4-Dinitrophenol	14.586	184	1551705	81.280	ng	91
55) Dibenzofuran	14.886	168	8561086	42.601	ng	99
56) 4-Nitrophenol	14.698	139	2729881	88.605	ng	91
57) 2,4-Dinitrotoluene	14.839	165	1916492	42.659	ng	97
58) Fluorene	15.527	166	7540888	41.679	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.104	232	1590245	45.500	ng	97
60) Diethylphthalate	15.310	149	7045563	41.488	ng	97
61) 4-Chlorophenyl-phenyle...	15.521	204	3507560	42.399	ng	97
62) 4-Nitroaniline	15.551	138	1650156	37.494	ng	98
63) Azobenzene	15.816	77	7507862	40.151	ng	98
65) 4,6-Dinitro-2-methylph...	15.604	198	974425	45.969	ng	87
66) n-Nitrosodiphenylamine	15.739	169	5906831	46.035	ng	99
67) 4-Bromophenyl-phenylether	16.416	248	1916606	47.028	ng	95
68) Hexachlorobenzene	16.533	284	2055417	44.519	ng	95
69) Atrazine	16.686	200	1057596	29.822	ng	99
70) Pentachlorophenol	16.868	266	2742775	102.483	ng	100
71) Phenanthrene	17.263	178	10246701	44.330	ng	99
72) Anthracene	17.351	178	9986275	44.968	ng	99
73) Carbazole	17.615	167	9361501	42.536	ng	100
74) Di-n-butylphthalate	18.186	149	11329108	43.023	ng	# 96
75) Fluoranthene	19.268	202	10645299	42.211	ng	99
77) Benzidine	19.445	184	445342	10.656	ng	99
78) Pyrene	19.627	202	10890348	50.312	ng	96
80) Butylbenzylphthalate	20.521	149	4532923	54.400	ng	98
81) Benzo(a)anthracene	21.427	228	8885057	45.936	ng	99
82) 3,3'-Dichlorobenzidine	21.345	252	2128086	41.360	ng	99
83) Chrysene	21.486	228	8153284	44.565	ng	99
84) Bis(2-ethylhexyl)phtha...	21.356	149	6704801	51.365	ng	97
85) Di-n-octyl phthalate	22.503	149	9410144	50.965	ng	97
87) Indeno(1,2,3-cd)pyrene	27.909	276	7503388	61.493	ng	98
88) Benzo(b)fluoranthene	23.515	252	6908659	52.369	ng	99
89) Benzo(k)fluoranthene	23.580	252	7138421	54.598	ng	99
90) Benzo(a)pyrene	24.333	252	6146347	56.845	ng	100
91) Dibenzo(a,h)anthracene	27.968	278	6411736	62.456	ng	98
92) Benzo(g,h,i)perylene	28.974	276	5874966	58.584	ng	98

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

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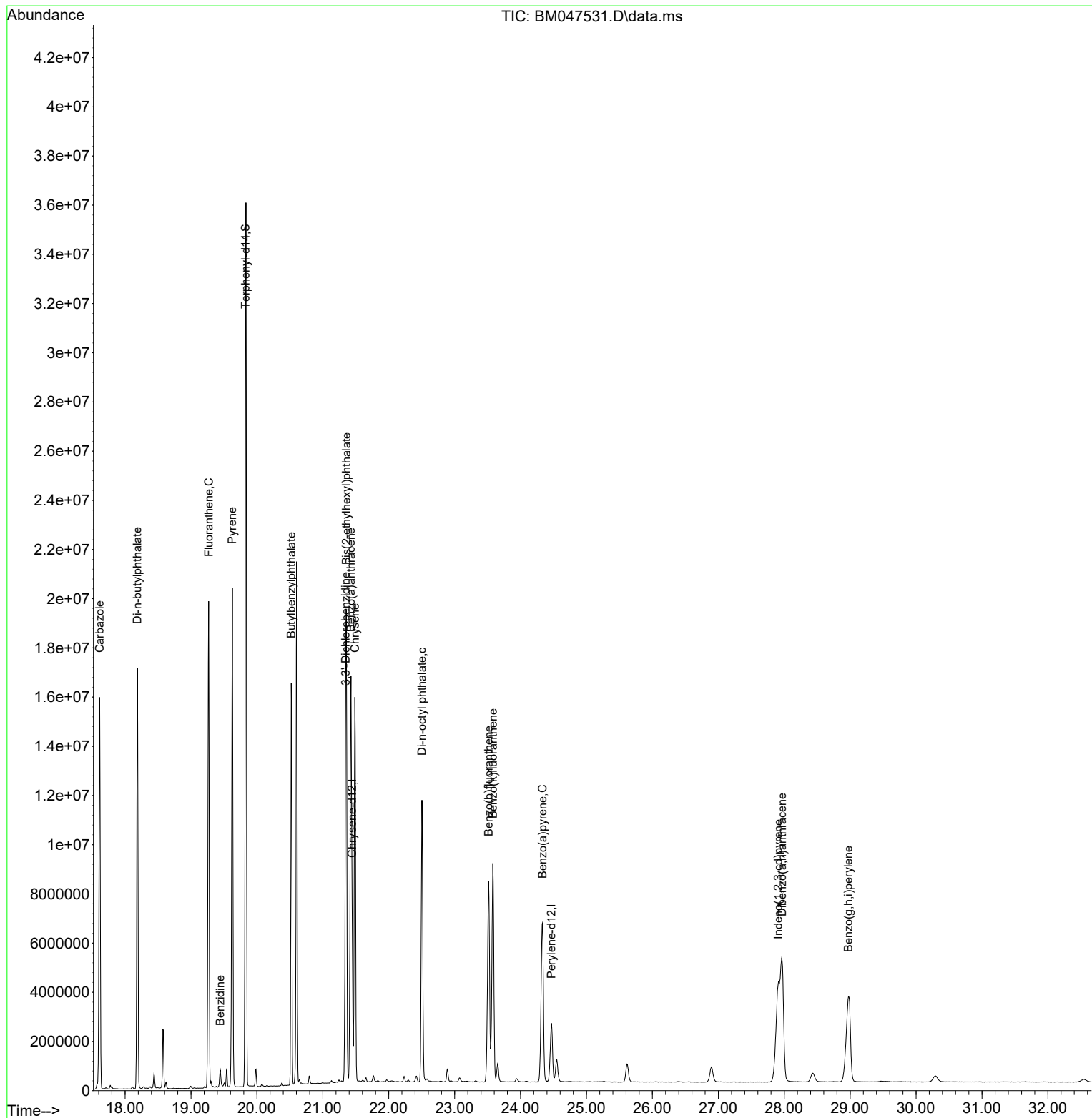
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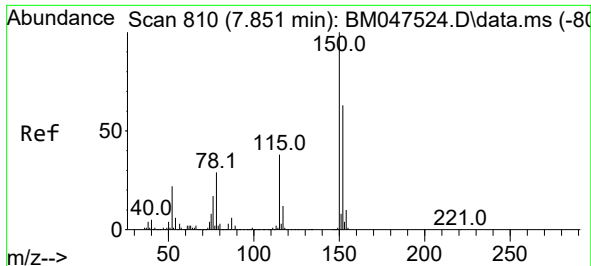


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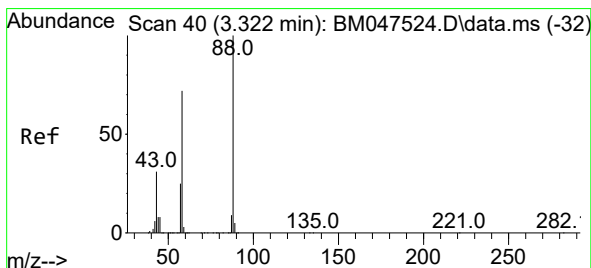
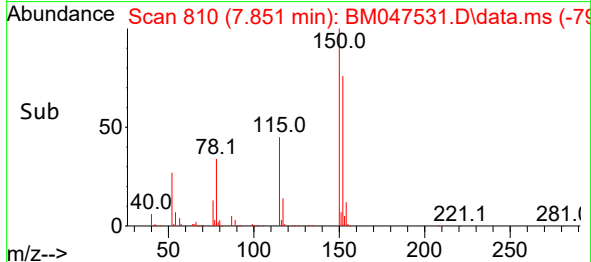
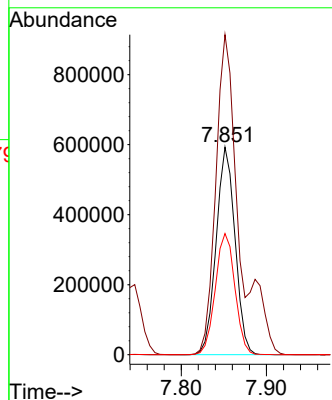
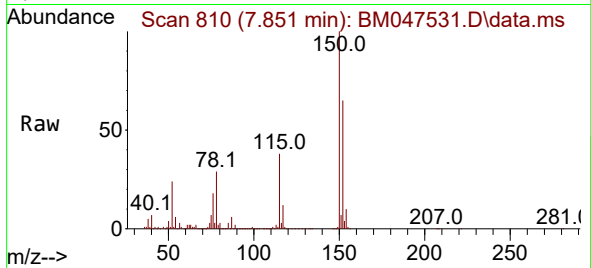




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.851 min Scan# 810
 Delta R.T. 0.000 min
 Lab File: BM047531.D
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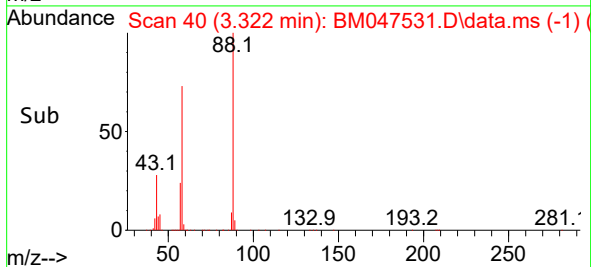
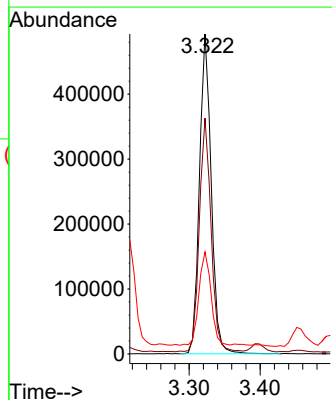
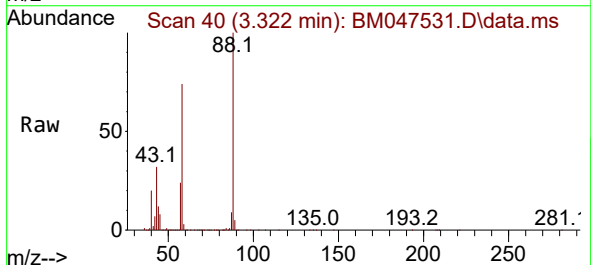
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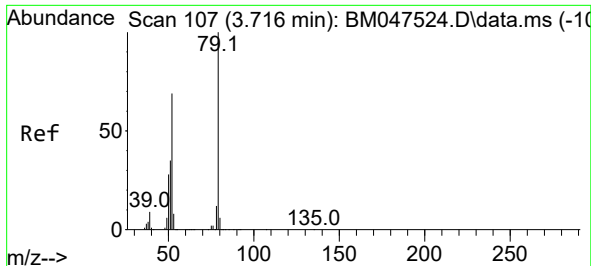
Tgt Ion:152 Resp: 915153
 Ion Ratio Lower Upper
 152 100
 150 154.2 126.8 190.2
 115 58.4 47.8 71.8



#2
 1,4-Dioxane
 Concen: 23.080 ng
 RT: 3.322 min Scan# 40
 Delta R.T. 0.000 min
 Lab File: BM047531.D
 Acq: 14 Sep 2024 19:51

Tgt Ion: 88 Resp: 568192
 Ion Ratio Lower Upper
 88 100
 58 72.8 59.0 88.6
 43 30.0 25.0 37.4



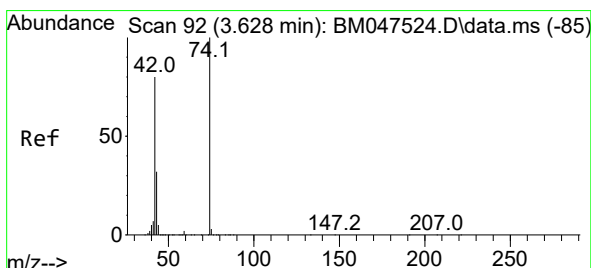
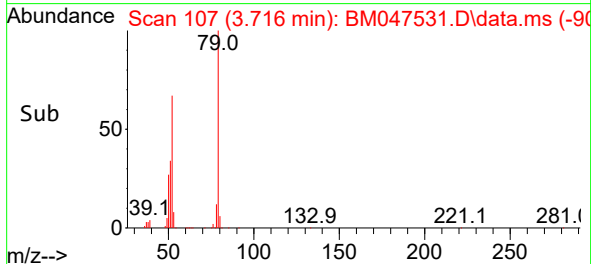
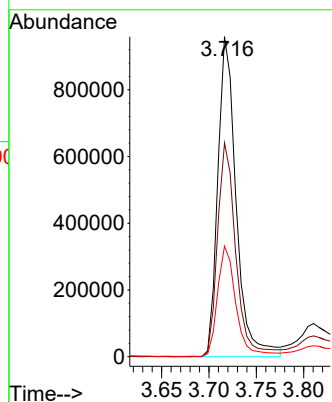
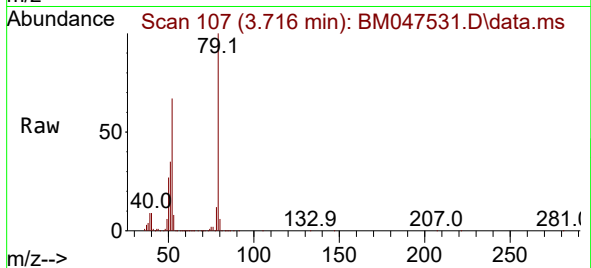


#3
Pyridine
Concen: 17.635 ng
RT: 3.716 min Scan# 107
Delta R.T. 0.000 min
Lab File: BM047531.D
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ClientSampleId :
PB163160BSD

Tgt Ion: 79 Resp: 1292287

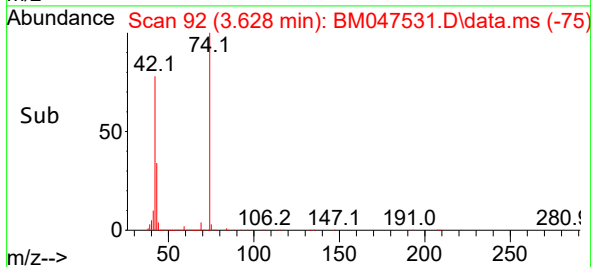
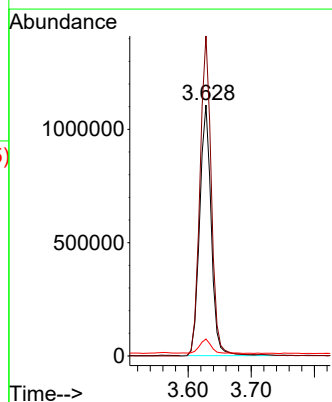
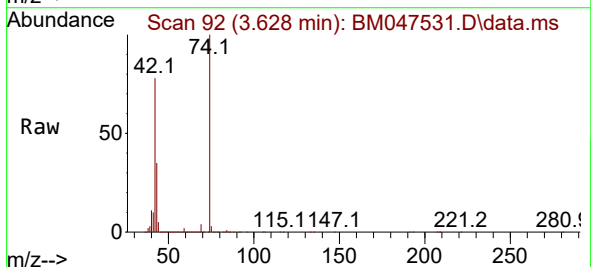
Ion	Ratio	Lower	Upper
79	100		
52	66.8	55.4	83.0
51	34.6	27.9	41.9

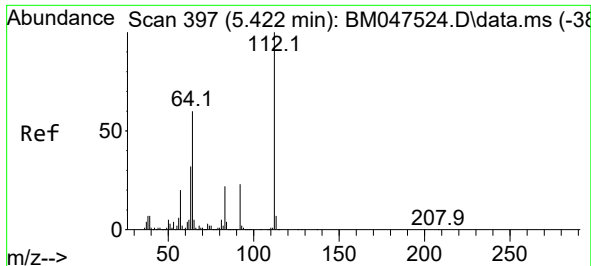


#4
n-Nitrosodimethylamine
Concen: 42.237 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.000 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

Tgt Ion: 42 Resp: 1404305

Ion	Ratio	Lower	Upper
42	100		
74	127.5	100.5	150.7
44	6.8	6.9	10.3

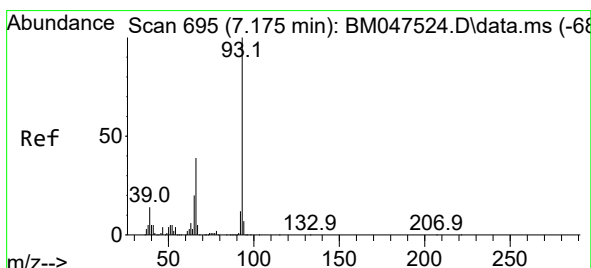
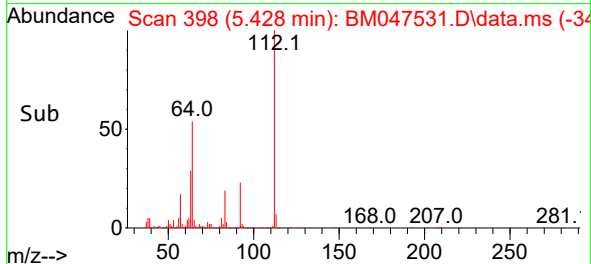
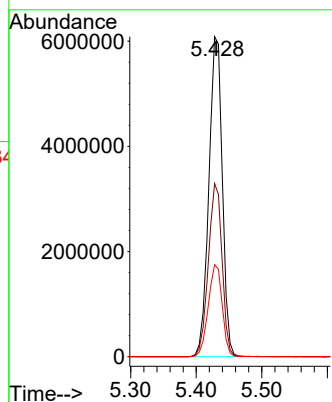
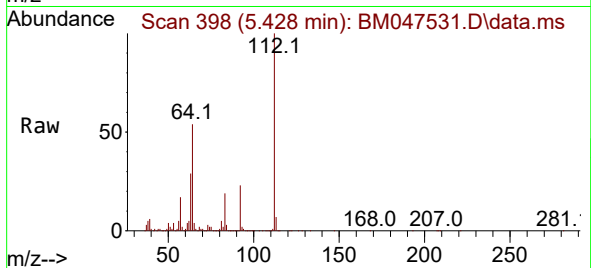




#5
2-Fluorophenol
Concen: 151.510 ng
RT: 5.428 min Scan# 397
Delta R.T. 0.006 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

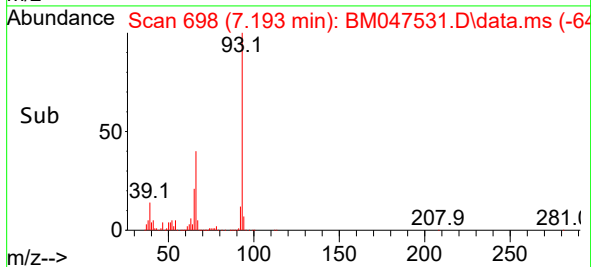
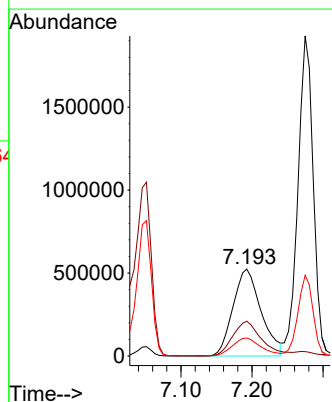
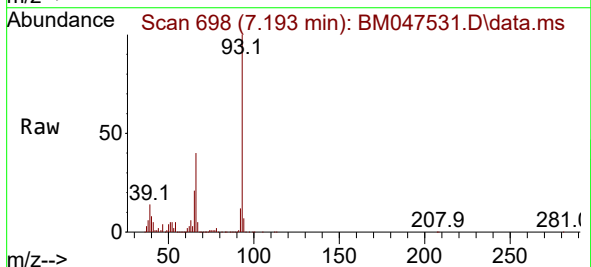
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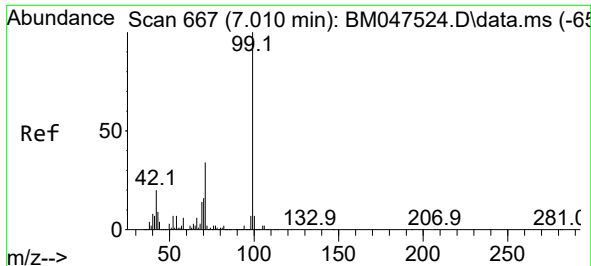
Tgt Ion:112 Resp: 8708263
Ion Ratio Lower Upper
112 100
64 54.1 48.2 72.4
63 28.8 26.0 39.0



#6
Aniline
Concen: 20.093 ng
RT: 7.193 min Scan# 698
Delta R.T. 0.018 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

Tgt Ion: 93 Resp: 1441878
Ion Ratio Lower Upper
93 100
66 39.9 31.4 47.0
65 20.6 16.3 24.5

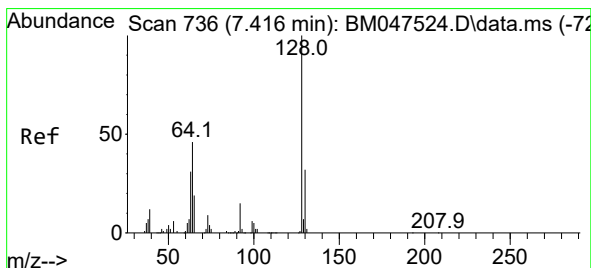
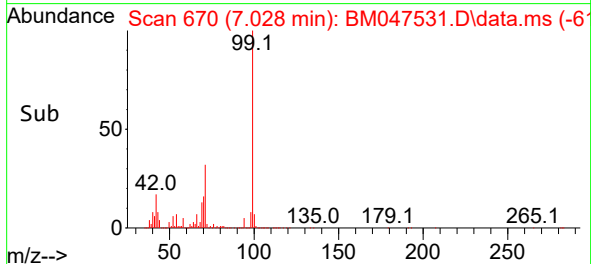
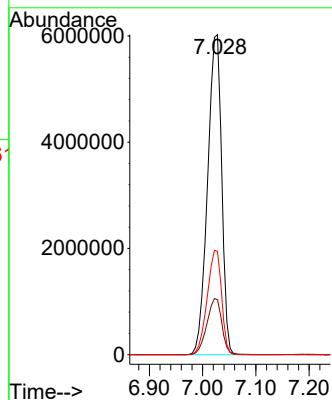
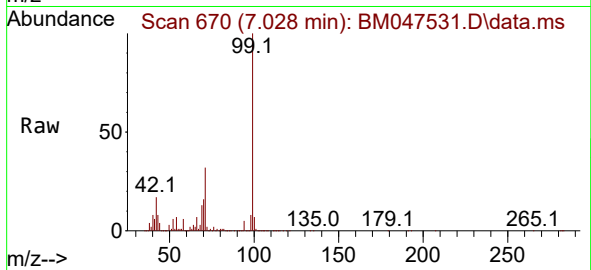




#7
Phenol-d6
Concen: 136.763 ng
RT: 7.028 min Scan# 61
Delta R.T. 0.018 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

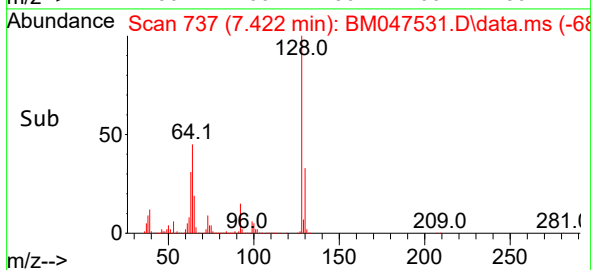
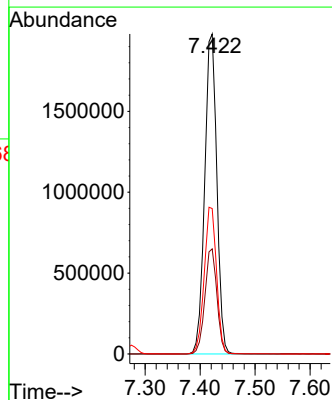
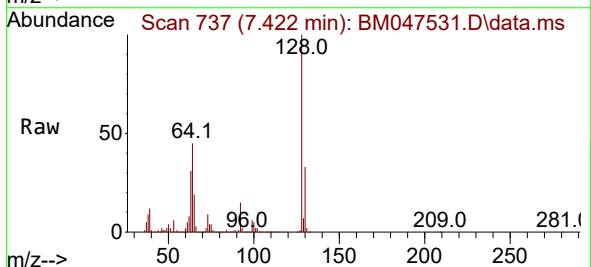
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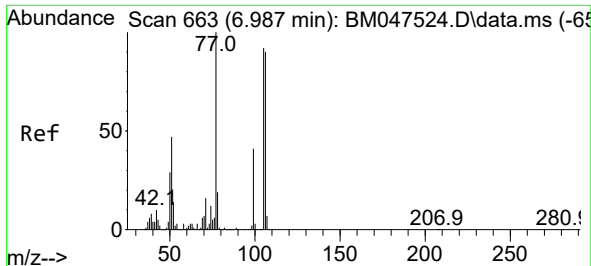
Tgt Ion: 99 Resp:11070072
Ion Ratio Lower Upper
99 100
42 17.2 15.8 23.8
71 32.3 27.6 41.4



#8
2-Chlorophenol
Concen: 47.777 ng
RT: 7.422 min Scan# 737
Delta R.T. 0.006 min
Lab File: BM047531.D
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Tgt Ion:128 Resp: 3027218
Ion Ratio Lower Upper
128 100
130 32.9 11.8 51.8
64 45.5 27.6 67.6

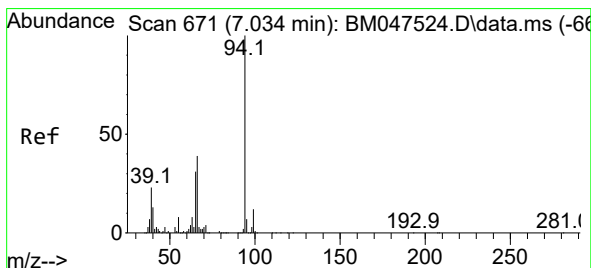
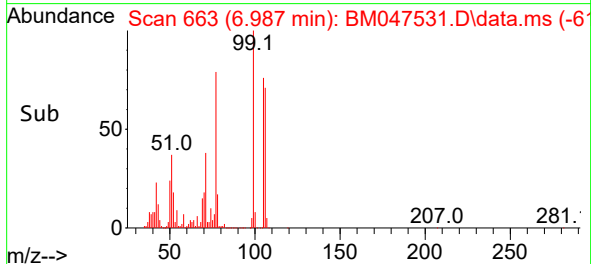
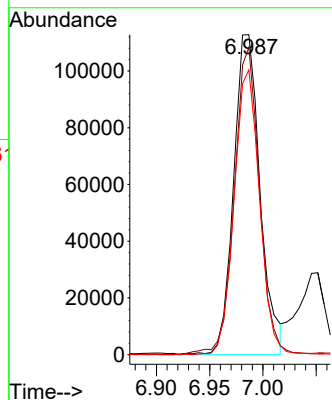
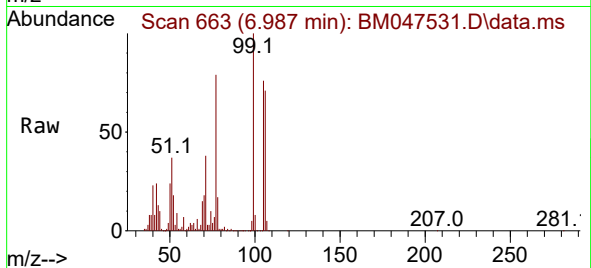




#9
Benzaldehyde
Concen: 5.062 ng
RT: 6.987 min Scan# 609
Delta R.T. 0.000 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

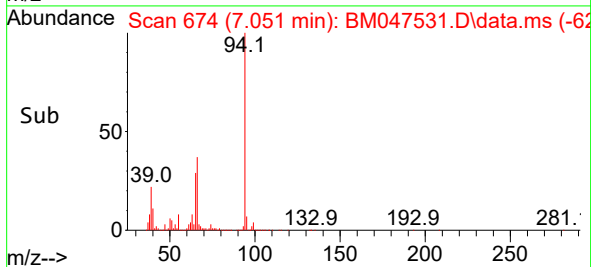
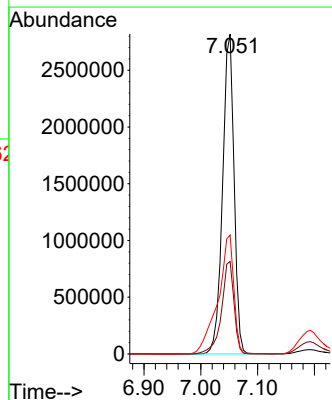
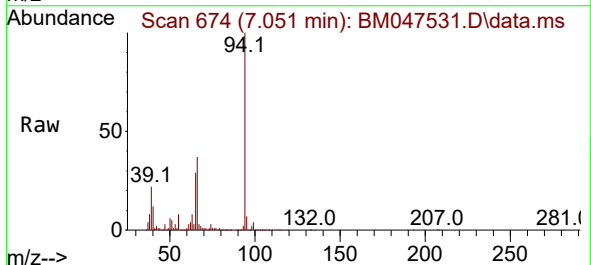
Instrument :
BNA_M
ClientSampleId :
PB163160BSD

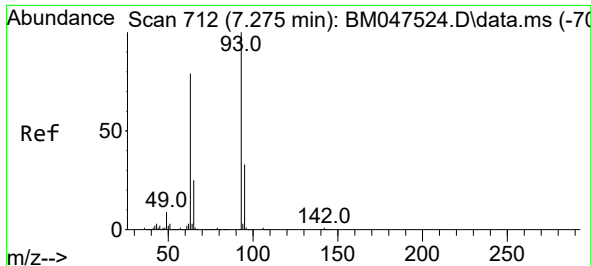
Tgt Ion: 77 Resp: 194829
Ion Ratio Lower Upper
77 100
105 96.0 71.8 111.8
106 89.0 69.7 109.7



#10
Phenol
Concen: 49.140 ng
RT: 7.051 min Scan# 674
Delta R.T. 0.018 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

Tgt Ion: 94 Resp: 3982655
Ion Ratio Lower Upper
94 100
65 28.9 10.8 50.8
66 37.2 19.2 59.2



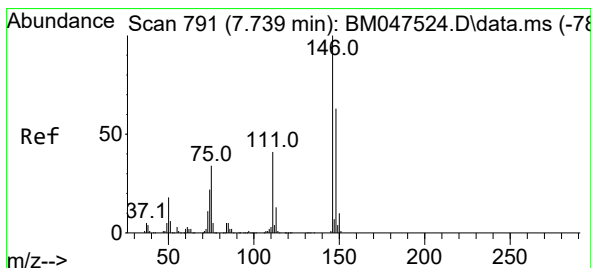
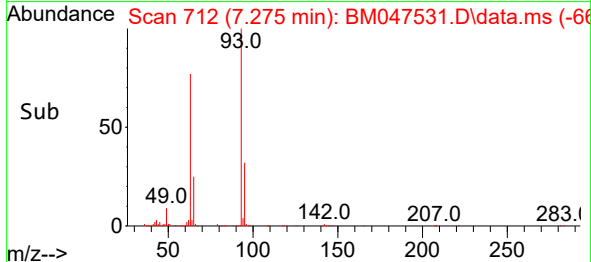
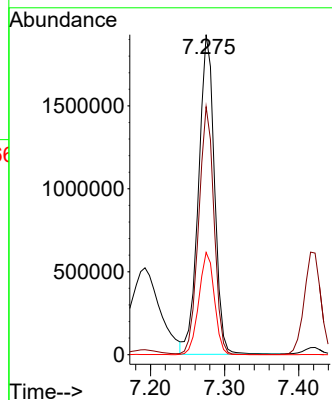
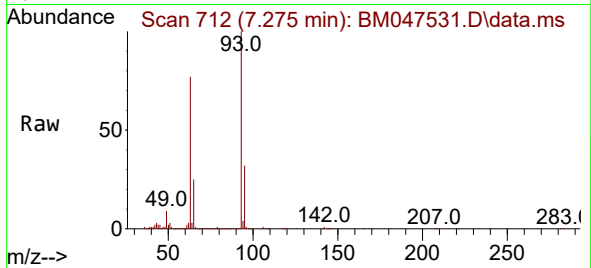


#11
bis(2-Chloroethyl)ether
Concen: 44.338 ng
RT: 7.275 min Scan# 712
Delta R.T. 0.000 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

Instrument :
BNA_M
ClientSampleId :
PB163160BSD

Tgt Ion: 93 Resp: 2884917

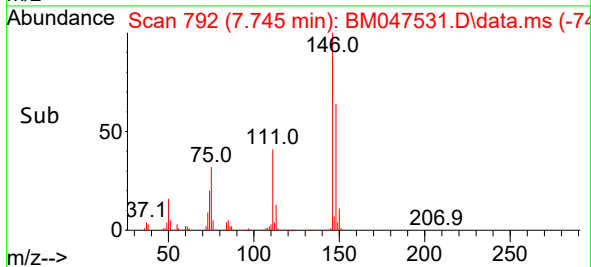
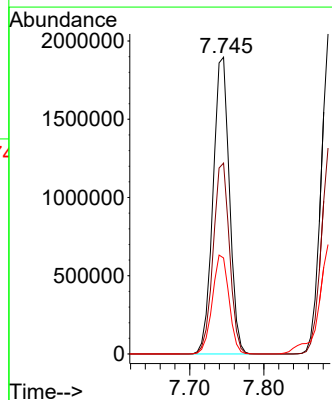
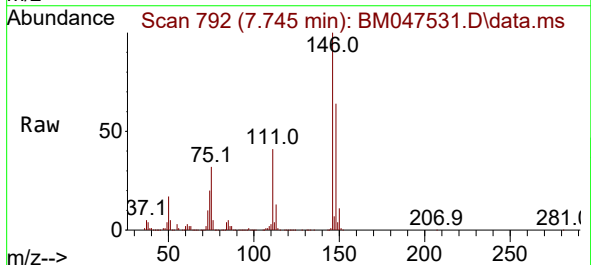
Ion	Ratio	Lower	Upper
93	100		
63	77.5	58.2	98.2
95	32.0	12.8	52.8

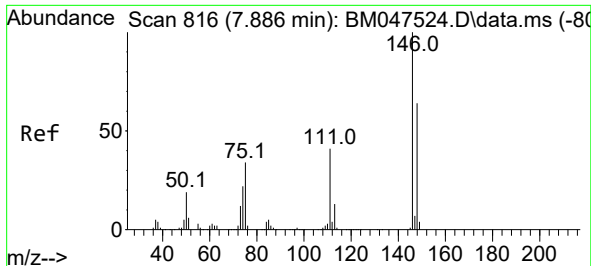


#12
1,3-Dichlorobenzene
Concen: 41.983 ng
RT: 7.745 min Scan# 792
Delta R.T. 0.006 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

Tgt Ion: 146 Resp: 2911633

Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.2	75.4
75	32.3	27.4	41.0





#13

1,4-Dichlorobenzene

Concen: 42.663 ng

RT: 7.887 min Scan# 816

Delta R.T. 0.000 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

Instrument :

BNA_M

ClientSampleId :

PB163160BSD

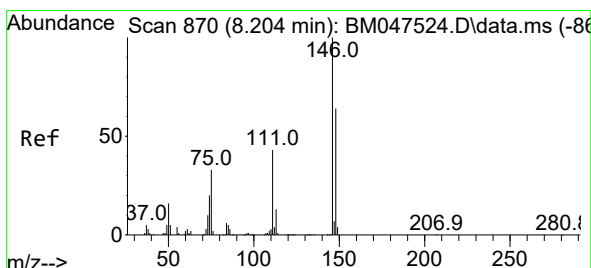
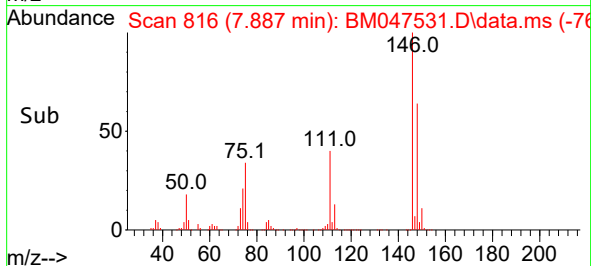
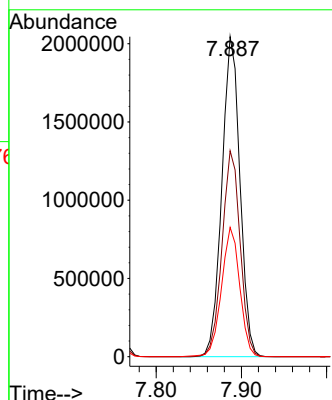
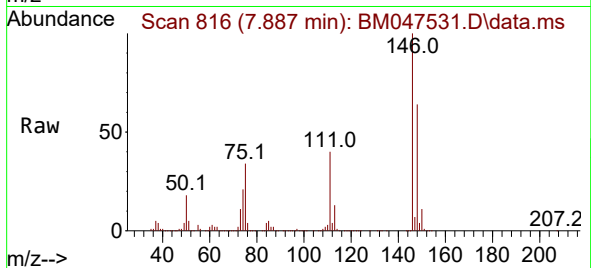
Tgt Ion:146 Resp: 3013656

Ion Ratio Lower Upper

146 100

148 64.3 51.3 76.9

111 40.4 32.9 49.3



#14

1,2-Dichlorobenzene

Concen: 42.267 ng

RT: 8.204 min Scan# 870

Delta R.T. 0.000 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

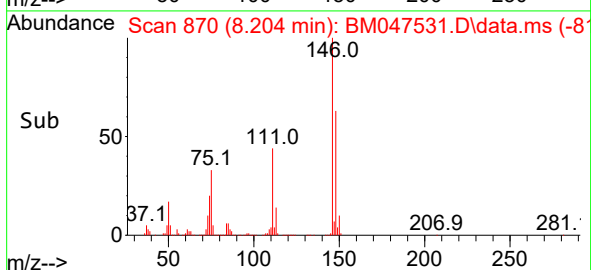
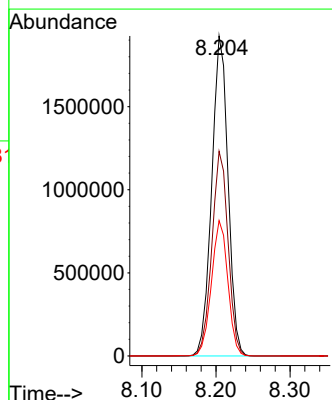
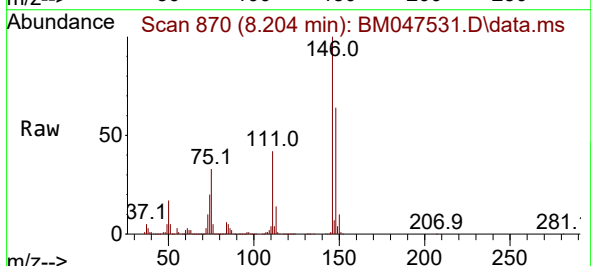
Tgt Ion:146 Resp: 2938336

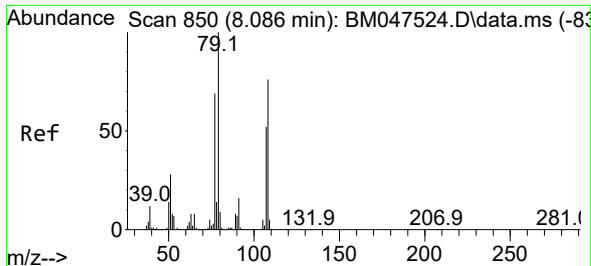
Ion Ratio Lower Upper

146 100

148 64.0 51.1 76.7

111 42.3 34.7 52.1

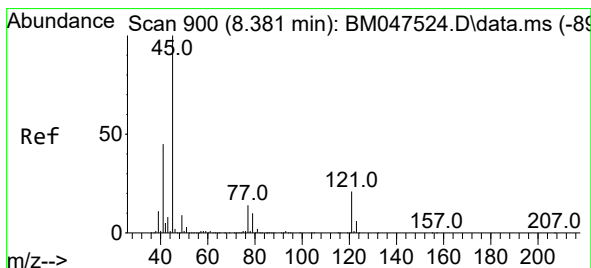
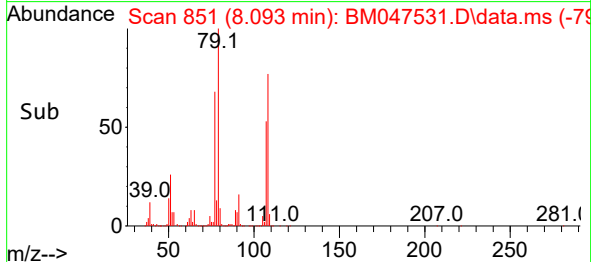
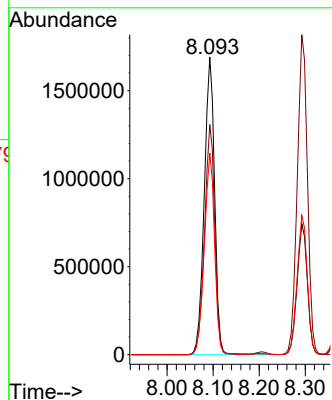
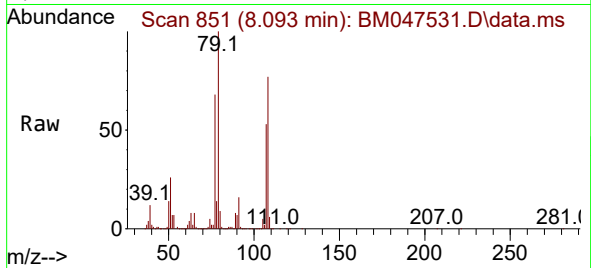




#15
Benzyl Alcohol
Concen: 48.336 ng
RT: 8.093 min Scan# 81
Delta R.T. 0.006 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

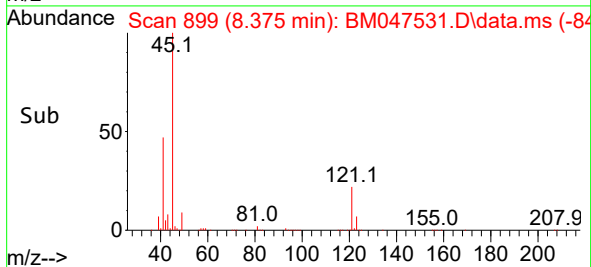
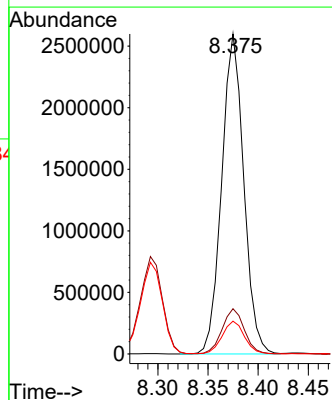
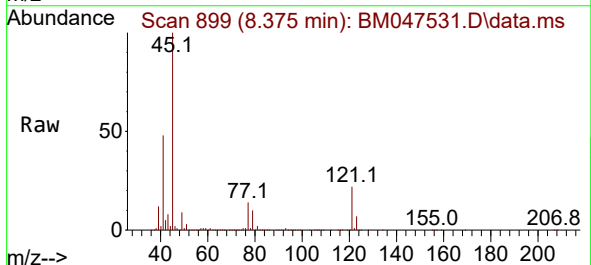
Instrument :
BNA_M
ClientSampleId :
PB163160BSD

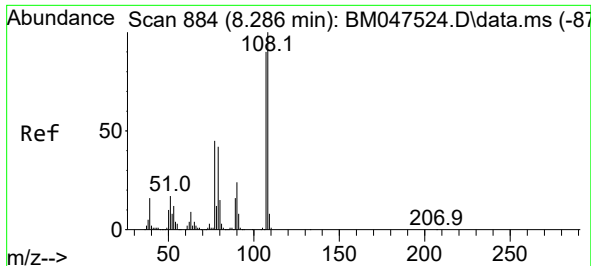
Tgt Ion: 79 Resp: 2650169
Ion Ratio Lower Upper
79 100
108 77.4 60.6 91.0
77 67.8 55.0 82.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.331 ng
RT: 8.375 min Scan# 899
Delta R.T. -0.006 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

Tgt Ion: 45 Resp: 3966084
Ion Ratio Lower Upper
45 100
77 14.2 0.0 33.7
79 10.3 0.0 30.3

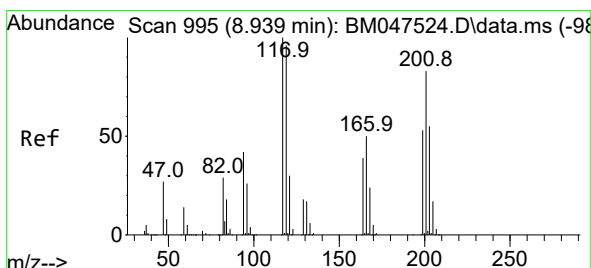
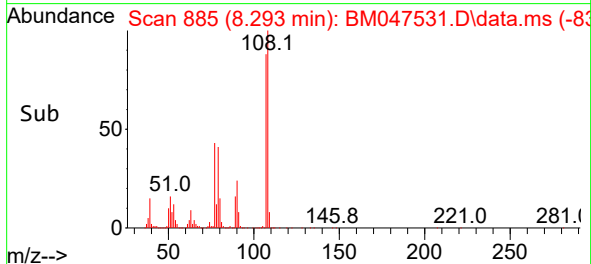
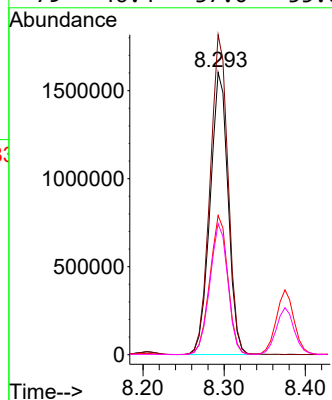
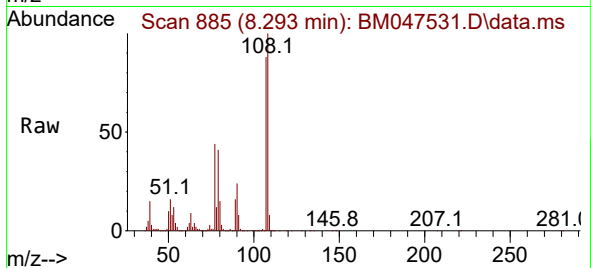




#17
2-Methylphenol
Concen: 47.495 ng
RT: 8.293 min Scan# 885
Delta R.T. 0.006 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

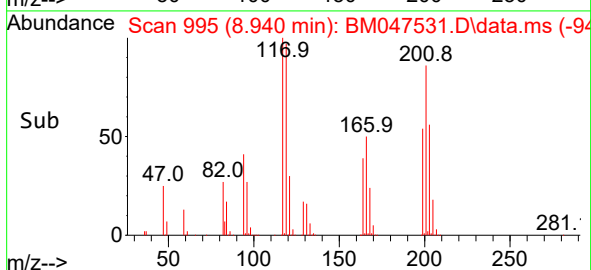
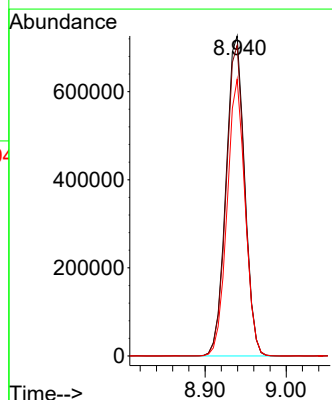
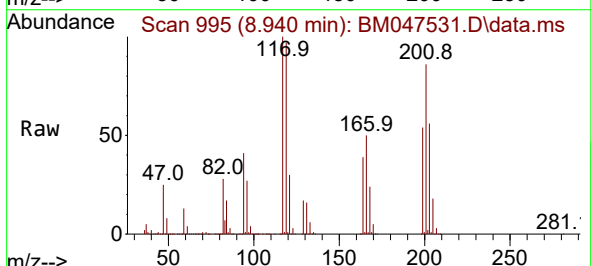
Instrument :
BNA_M
ClientSampleId :
PB163160BSD

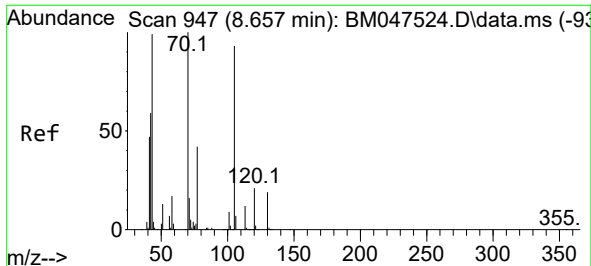
Tgt Ion:107 Resp: 2459080
Ion Ratio Lower Upper
107 100
108 113.3 88.9 133.3
77 49.3 39.8 59.8
79 46.4 37.0 55.6



#18
Hexachloroethane
Concen: 41.143 ng
RT: 8.940 min Scan# 995
Delta R.T. 0.000 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

Tgt Ion:117 Resp: 1160992
Ion Ratio Lower Upper
117 100
119 97.0 77.0 115.4
201 86.5 66.8 100.2

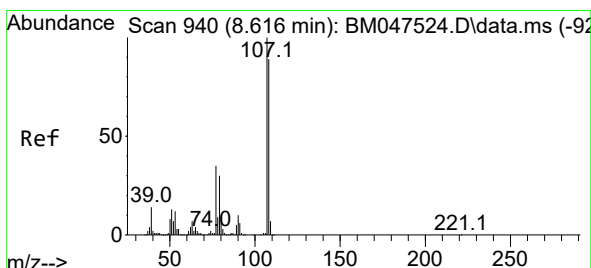
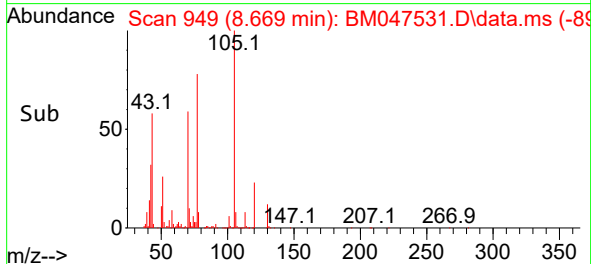
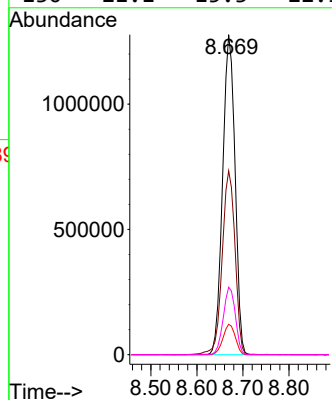
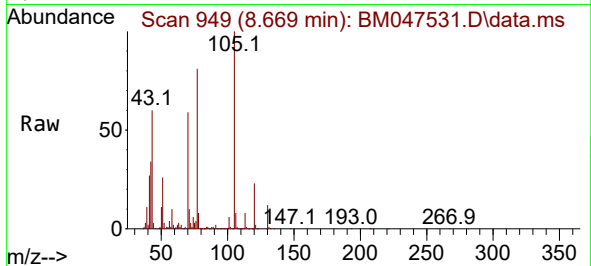




#19
n-Nitroso-di-n-propylamine
Concen: 43.593 ng
RT: 8.669 min Scan# 947
Delta R.T. 0.012 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

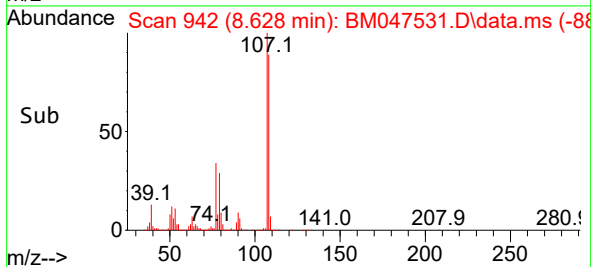
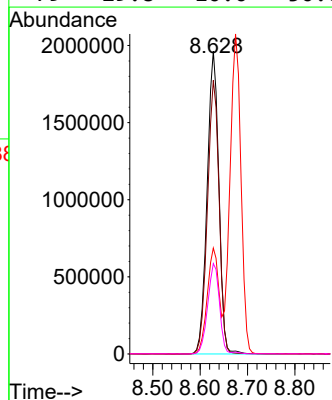
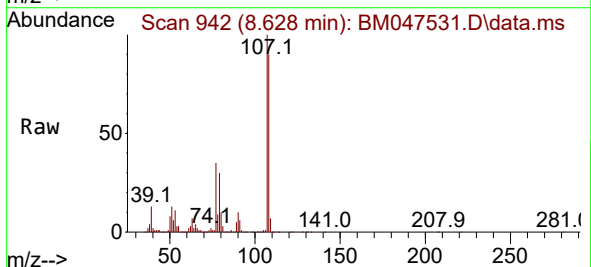
Instrument :
BNA_M
ClientSampleId :
PB163160BSD

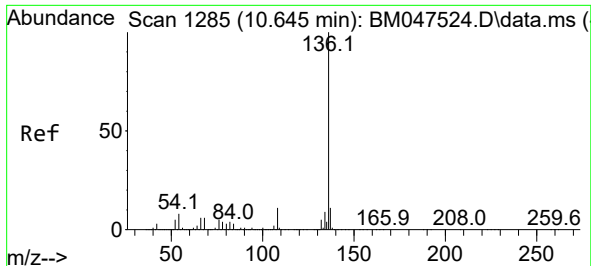
Tgt Ion: 70 Resp: 2379092
Ion Ratio Lower Upper
70 100
42 57.5 48.2 72.2
101 9.5 7.0 10.4
130 21.1 15.3 22.9



#20
3+4-Methylphenols
Concen: 46.720 ng
RT: 8.628 min Scan# 942
Delta R.T. 0.012 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

Tgt Ion: 107 Resp: 3375226
Ion Ratio Lower Upper
107 100
108 90.3 68.9 108.9
77 35.0 15.5 55.5
79 29.8 10.0 50.0

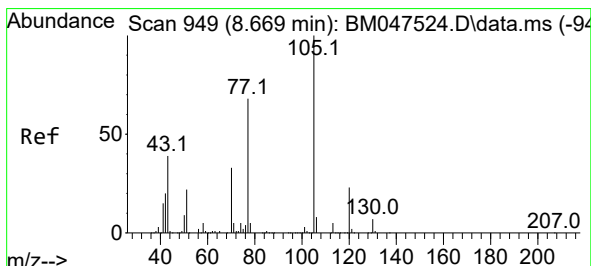
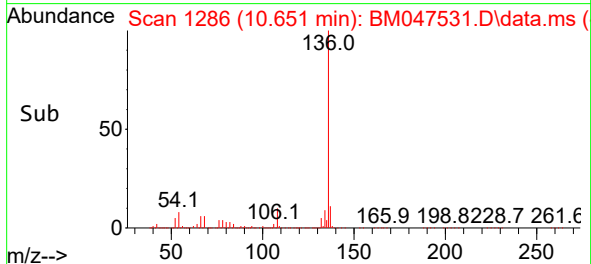
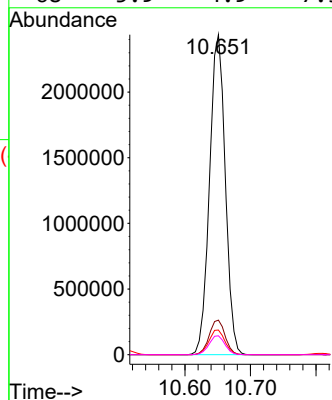
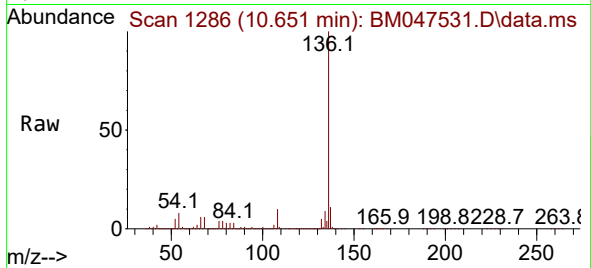




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.651 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

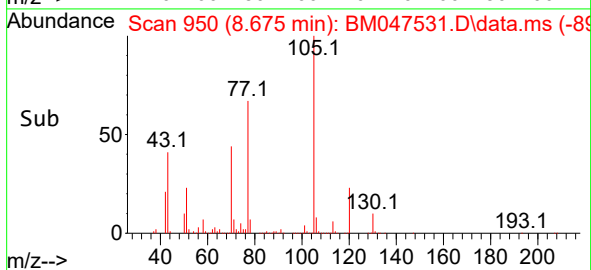
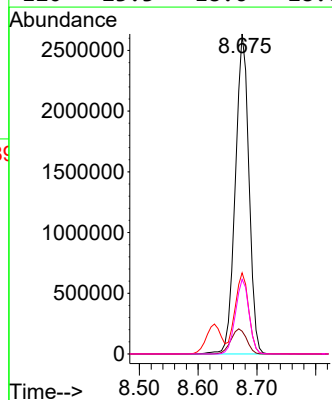
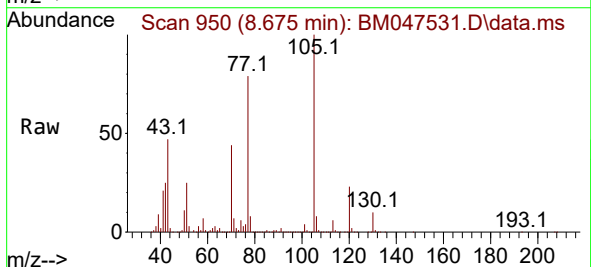
Instrument :
BNA_M
ClientSampleId :
PB163160BSD

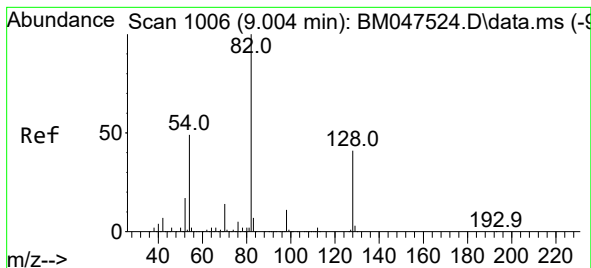
Tgt Ion:136 Resp: 4067259
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 7.7 6.6 9.8
68 5.9 4.9 7.3



#22
Acetophenone
Concen: 39.673 ng
RT: 8.675 min Scan# 950
Delta R.T. 0.006 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

Tgt Ion:105 Resp: 4242210
Ion Ratio Lower Upper
105 100
71 7.1 4.3 6.5#
51 25.3 21.5 32.3
120 23.3 18.6 28.0





#23

Nitrobenzene-d5

Concen: 79.831 ng

RT: 9.010 min Scan# 1007

Delta R.T. 0.006 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

Instrument :

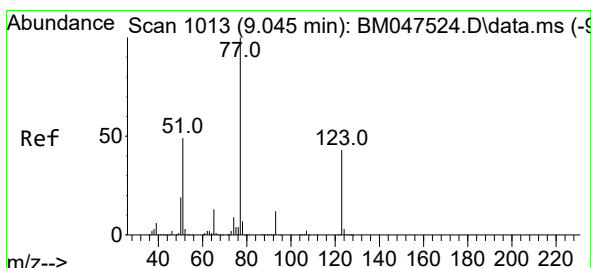
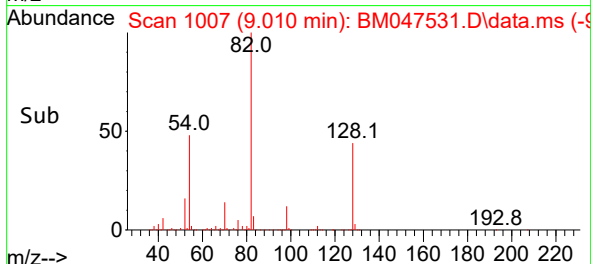
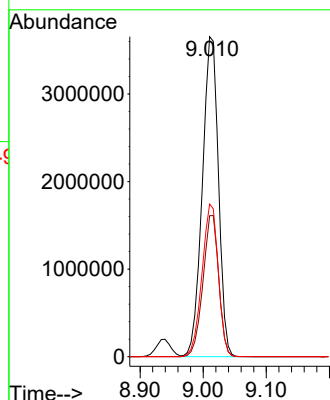
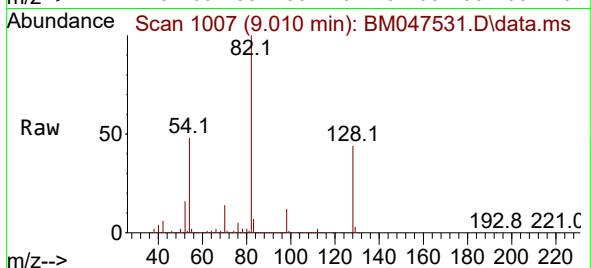
BNA_M

ClientSampleId :

PB163160BSD

Tgt Ion: 82 Resp: 6487917

Ion	Ratio	Lower	Upper
82	100		
128	44.1	33.0	49.4
54	47.7	39.3	58.9



#24

Nitrobenzene

Concen: 39.592 ng

RT: 9.051 min Scan# 1014

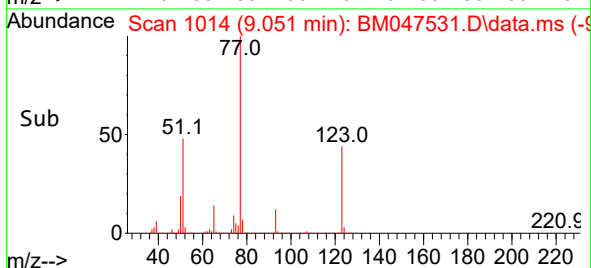
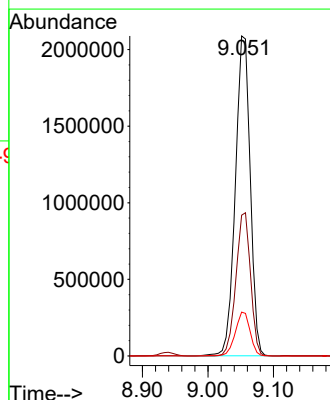
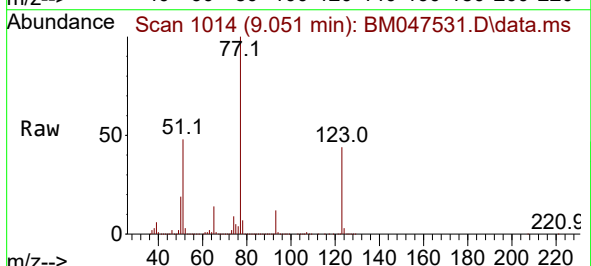
Delta R.T. 0.006 min

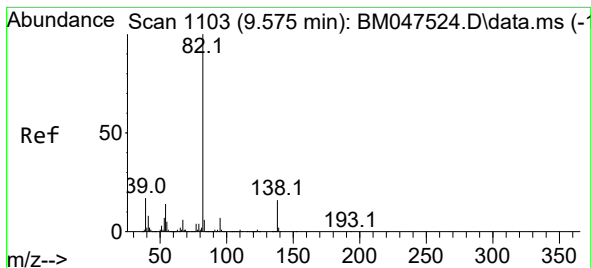
Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

Tgt Ion: 77 Resp: 3306331

Ion	Ratio	Lower	Upper
77	100		
123	44.0	34.5	51.7
65	13.7	10.7	16.1





#25

Isophorone

Concen: 42.663 ng

RT: 9.587 min Scan# 1105

Delta R.T. 0.012 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

Instrument :

BNA_M

ClientSampleId :

PB163160BSD

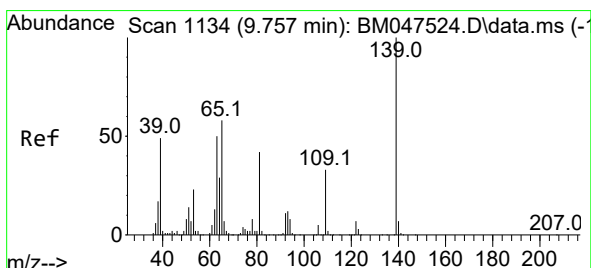
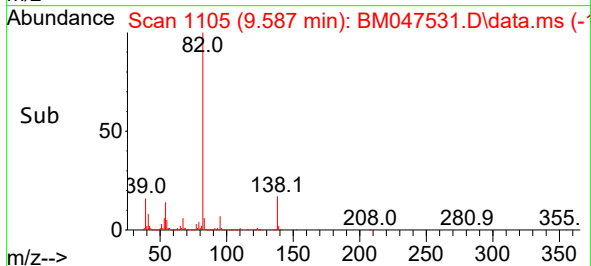
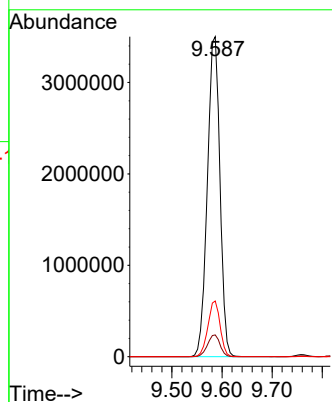
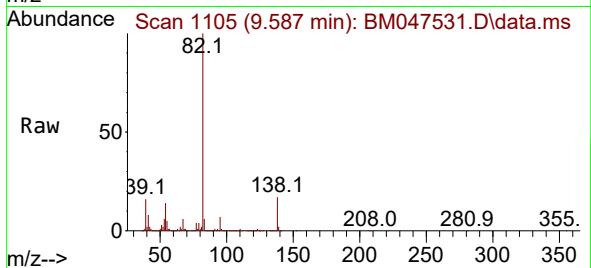
Tgt Ion: 82 Resp: 6095578

Ion Ratio Lower Upper

82 100

95 6.8 5.4 8.0

138 17.4 12.9 19.3



#26

2-Nitrophenol

Concen: 50.152 ng

RT: 9.757 min Scan# 1134

Delta R.T. 0.000 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

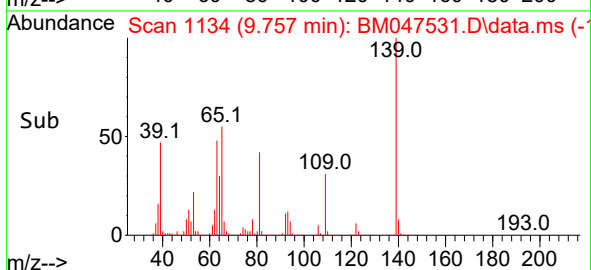
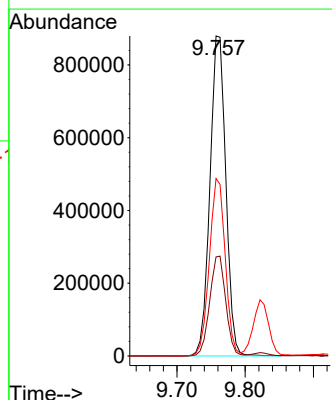
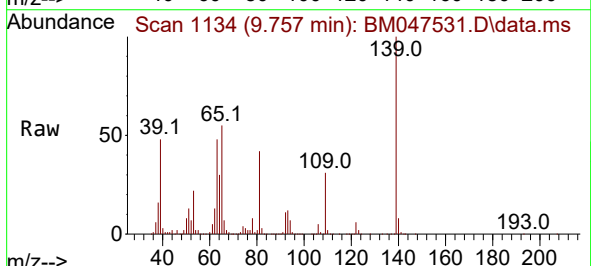
Tgt Ion:139 Resp: 1427182

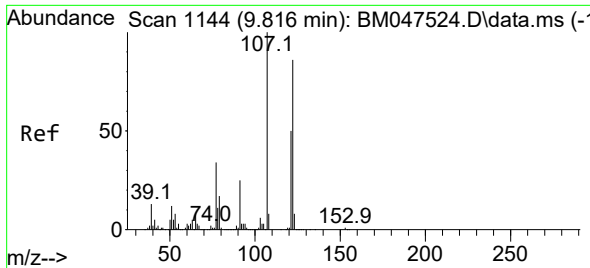
Ion Ratio Lower Upper

139 100

109 30.9 26.0 39.0

65 55.4 46.2 69.4

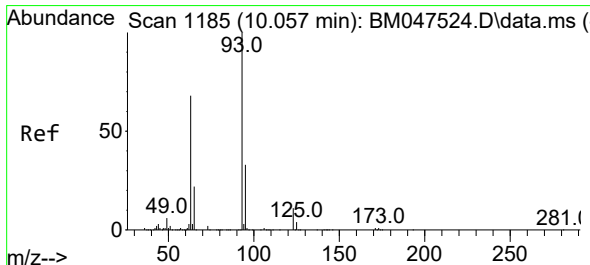
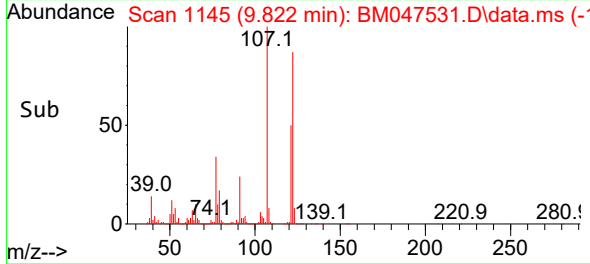
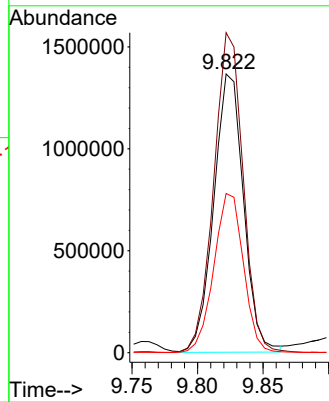
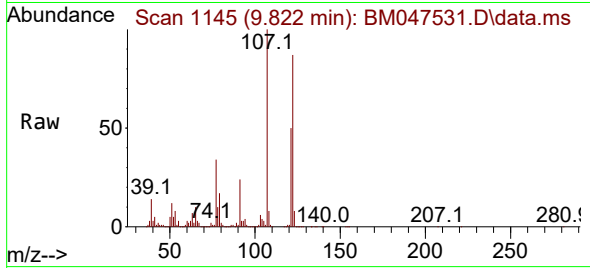




#27
2,4-Dimethylphenol
Concen: 50.062 ng
RT: 9.822 min Scan# 1144
Delta R.T. 0.006 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

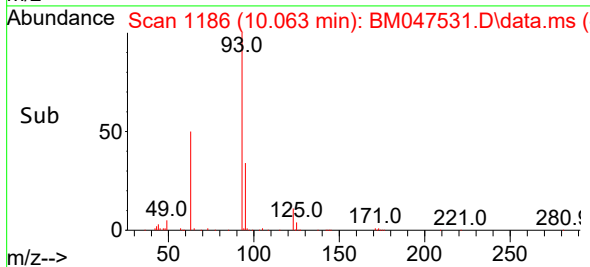
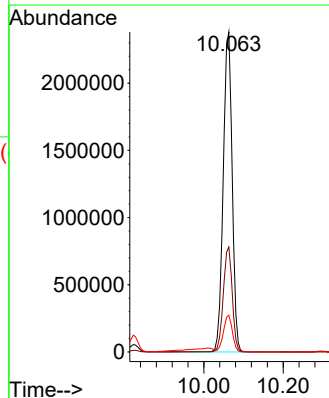
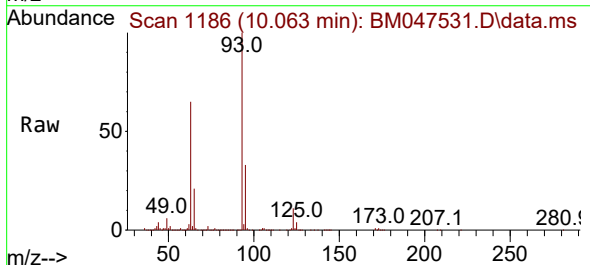
Instrument :
BNA_M
ClientSampleId :
PB163160BSD

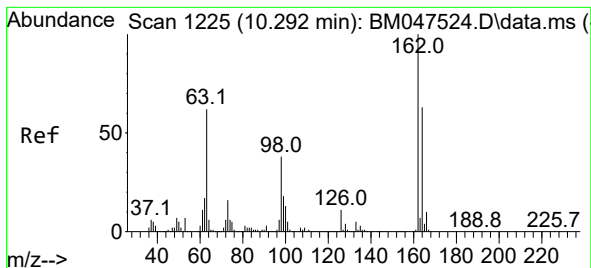
Tgt Ion:122 Resp: 2159575
Ion Ratio Lower Upper
122 100
107 114.8 92.4 138.6
121 57.1 46.2 69.4



#28
bis(2-Chloroethoxy)methane
Concen: 41.658 ng
RT: 10.063 min Scan# 1186
Delta R.T. 0.006 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

Tgt Ion: 93 Resp: 3738646
Ion Ratio Lower Upper
93 100
95 32.8 26.2 39.2
123 11.5 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 47.926 ng

RT: 10.298 min Scan# 1225

Delta R.T. 0.006 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

Instrument :

BNA_M

ClientSampleId :

PB163160BSD

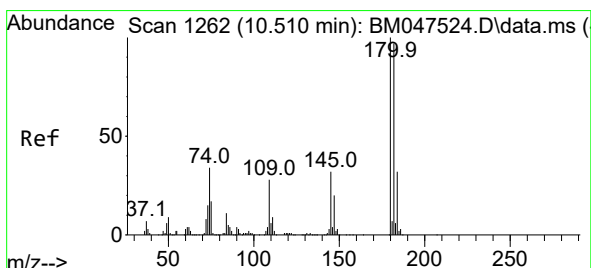
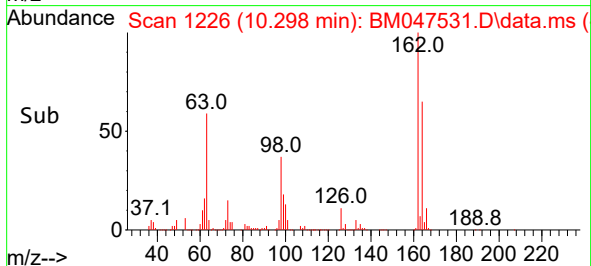
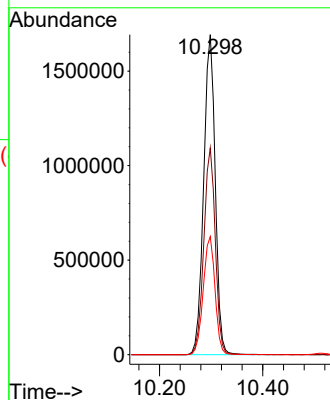
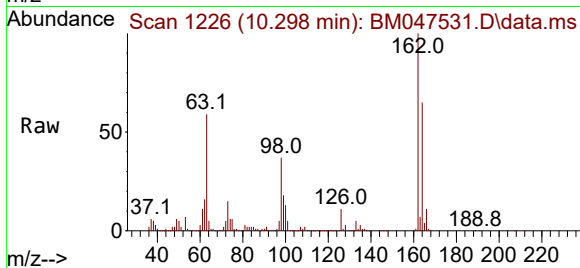
Tgt Ion:162 Resp: 2626663

Ion Ratio Lower Upper

162 100

164 64.6 43.5 83.5

98 36.9 17.6 57.6



#30

1,2,4-Trichlorobenzene

Concen: 42.197 ng

RT: 10.516 min Scan# 1263

Delta R.T. 0.006 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

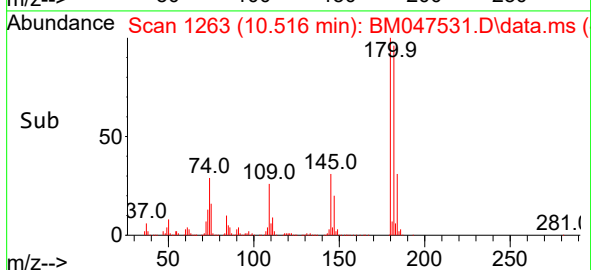
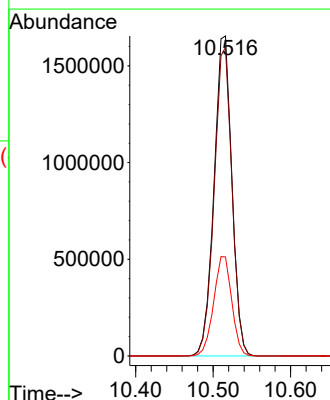
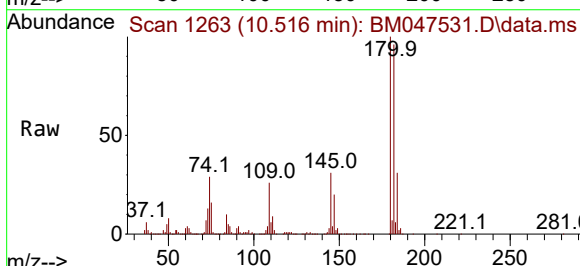
Tgt Ion:180 Resp: 2649083

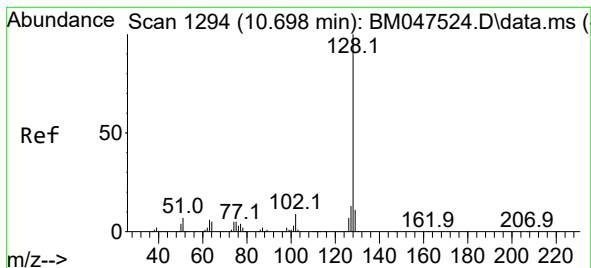
Ion Ratio Lower Upper

180 100

182 96.5 77.6 116.4

145 31.0 25.4 38.0

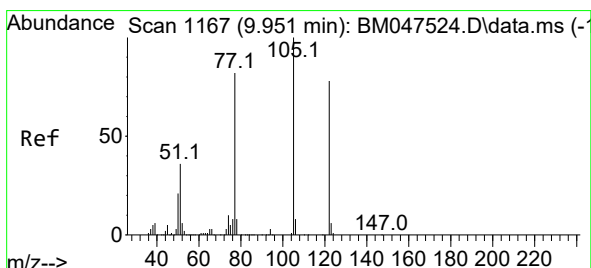
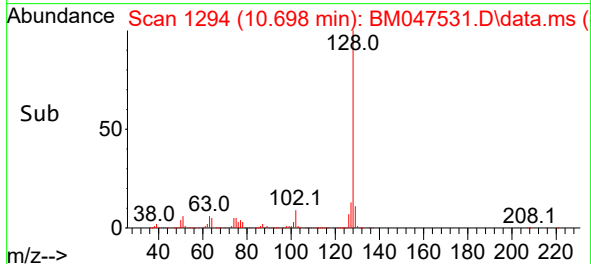
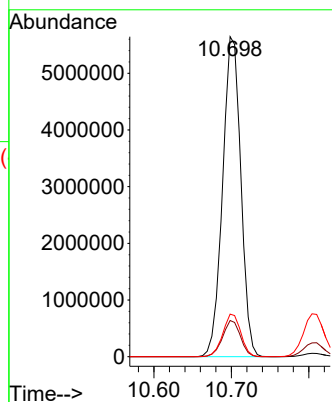
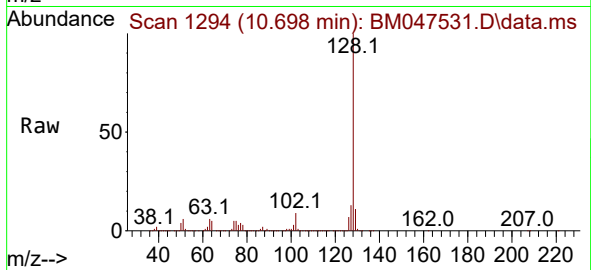




#31
Naphthalene
Concen: 41.976 ng
RT: 10.698 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

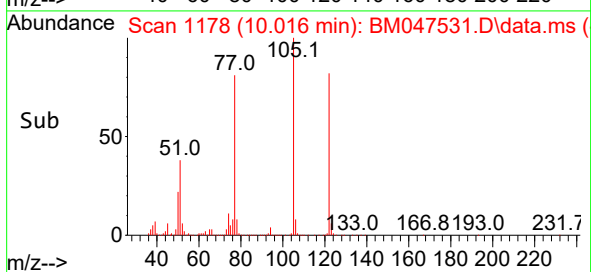
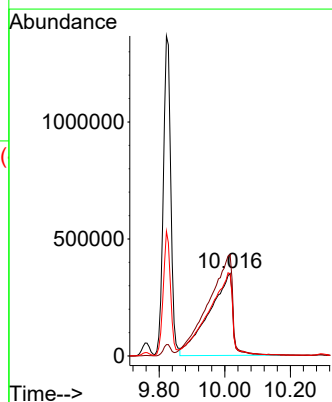
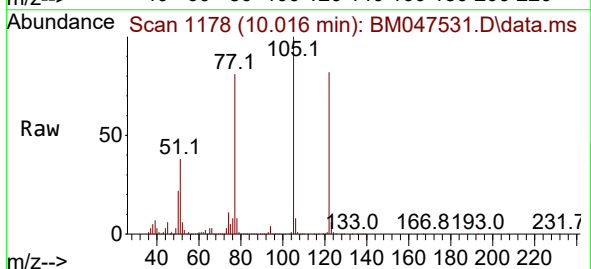
Instrument :
BNA_M
ClientSampleId :
PB163160BSD

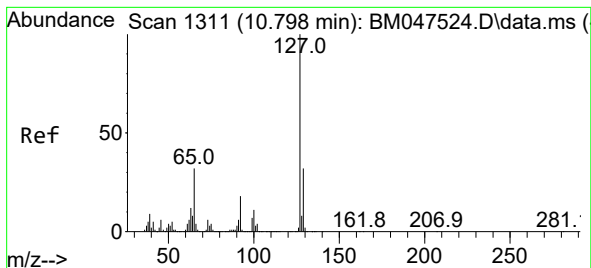
Tgt Ion:128 Resp: 9220476
Ion Ratio Lower Upper
128 100
129 11.3 8.7 13.1
127 13.3 10.5 15.7



#32
Benzoic acid
Concen: 42.387 ng
RT: 10.016 min Scan# 1178
Delta R.T. 0.065 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

Tgt Ion:122 Resp: 1763745
Ion Ratio Lower Upper
122 100
105 122.7 104.7 144.7
77 99.6 83.4 123.4





#33

4-Chloroaniline

Concen: 18.714 ng

RT: 10.804 min Scan# 1

Delta R.T. 0.006 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

Instrument :

BNA_M

ClientSampleId :

PB163160BSD

Tgt Ion:127 Resp: 1486245

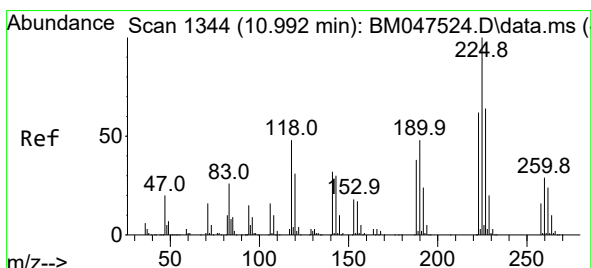
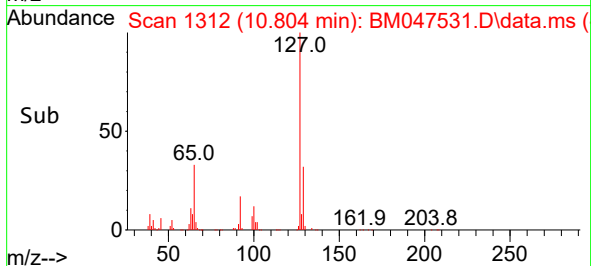
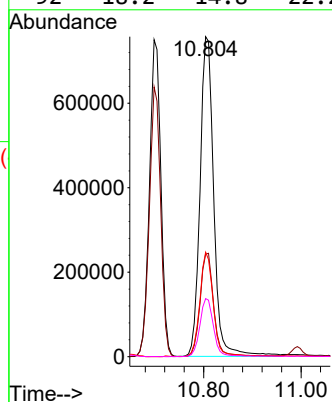
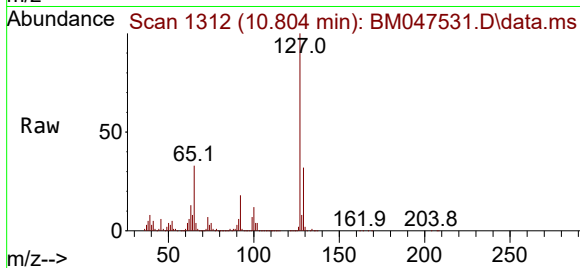
Ion Ratio Lower Upper

127 100

129 32.1 25.4 38.0

65 32.6 25.5 38.3

92 18.2 14.8 22.2



#34

Hexachlorobutadiene

Concen: 40.277 ng

RT: 10.992 min Scan# 1344

Delta R.T. 0.000 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

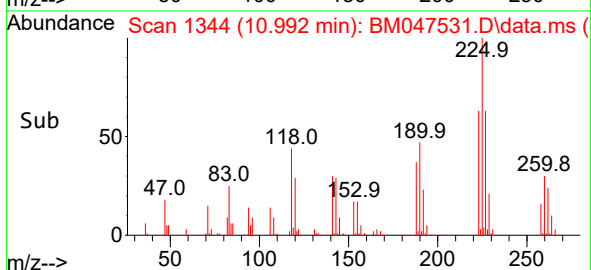
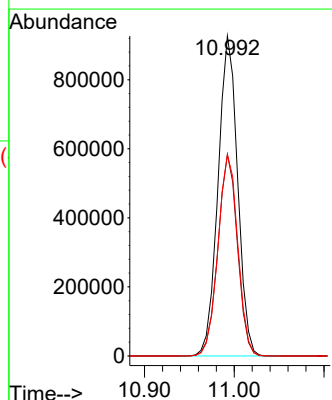
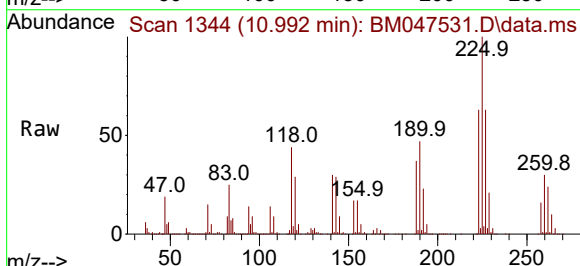
Tgt Ion:225 Resp: 1400525

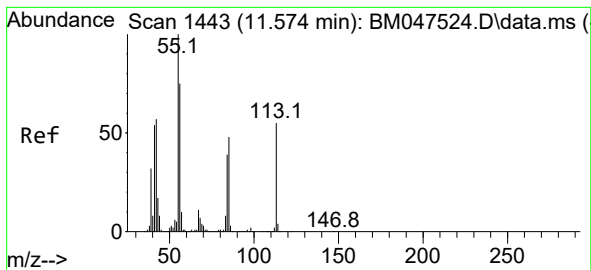
Ion Ratio Lower Upper

225 100

223 63.0 49.8 74.6

227 62.9 51.0 76.4

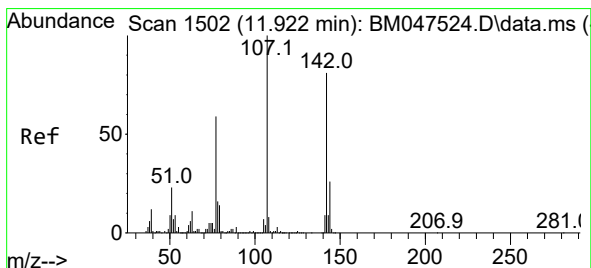
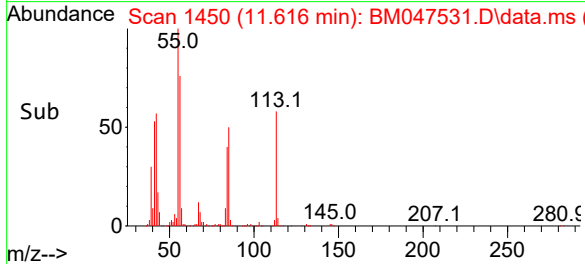
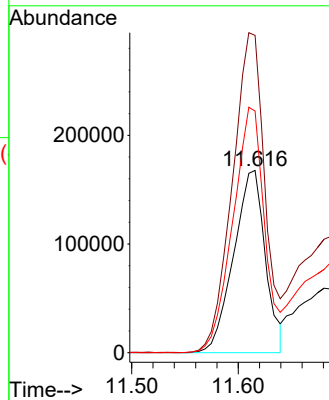
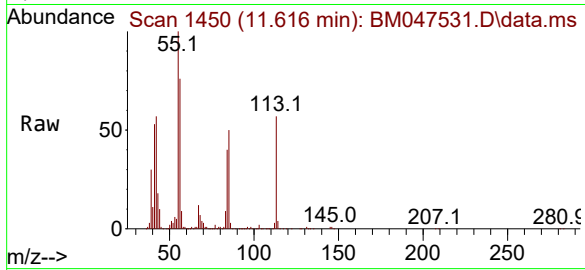




#35
 Caprolactam
 Concen: 19.184 ng
 RT: 11.616 min Scan# 1443
 Delta R.T. 0.041 min
 Lab File: BM047531.D
 Acq: 14 Sep 2024 19:51

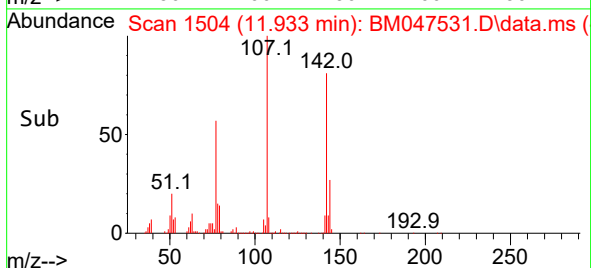
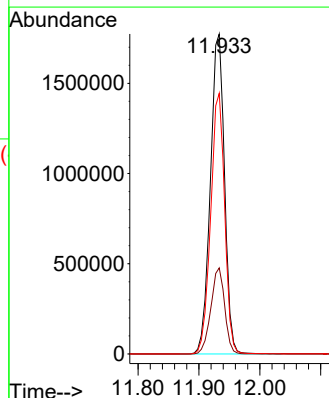
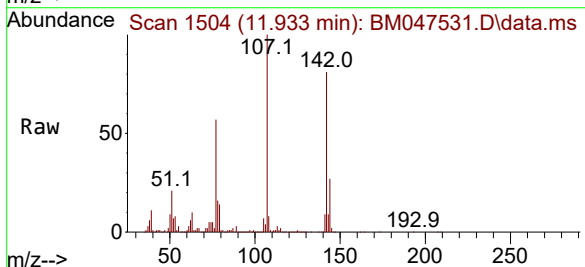
Instrument :
 BNA_M
 ClientSampleId :
 PB163160BSD

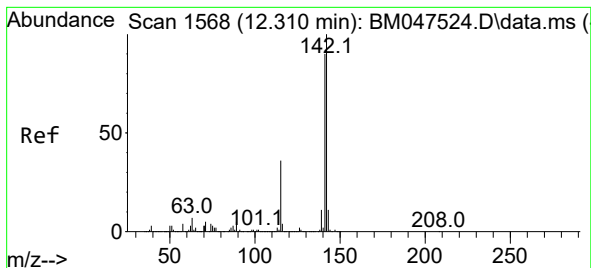
Tgt Ion:113 Resp: 346296
 Ion Ratio Lower Upper
 113 100
 55 174.1 162.5 202.5
 56 132.6 116.5 156.5



#36
 4-Chloro-3-methylphenol
 Concen: 45.564 ng
 RT: 11.933 min Scan# 1504
 Delta R.T. 0.012 min
 Lab File: BM047531.D
 Acq: 14 Sep 2024 19:51

Tgt Ion:107 Resp: 2861796
 Ion Ratio Lower Upper
 107 100
 144 26.9 20.5 30.7
 142 81.4 65.0 97.4





#37

2-Methylnaphthalene

Concen: 44.275 ng

RT: 12.310 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

Instrument :

BNA_M

ClientSampleId :

PB163160BSD

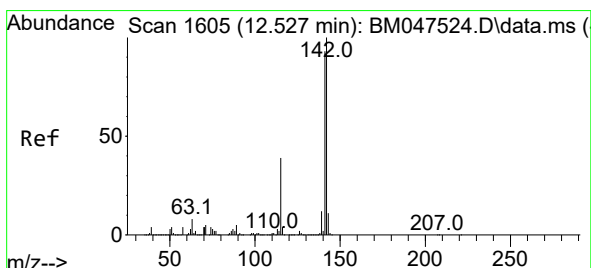
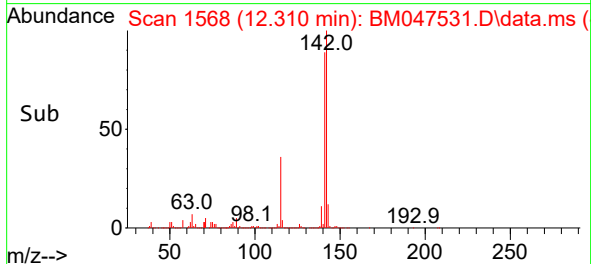
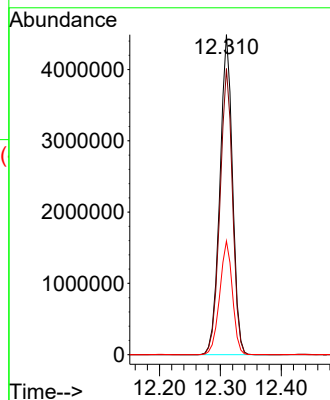
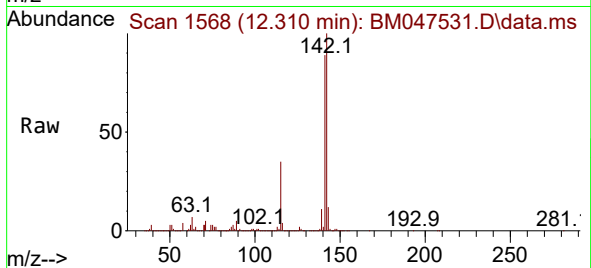
Tgt Ion:142 Resp: 6472913

Ion Ratio Lower Upper

142 100

141 89.4 72.2 108.4

115 35.5 29.1 43.7



#38

1-Methylnaphthalene

Concen: 40.751 ng

RT: 12.528 min Scan# 1605

Delta R.T. 0.000 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

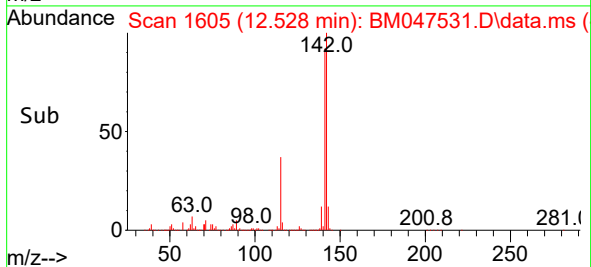
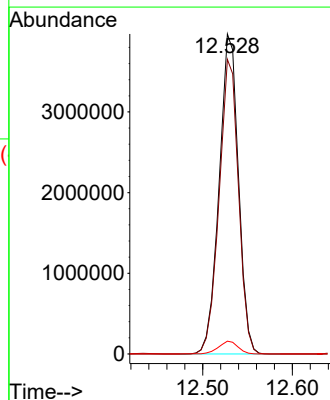
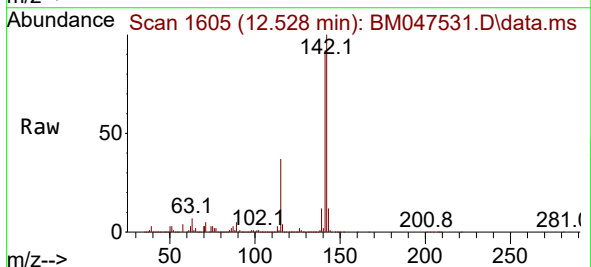
Tgt Ion:142 Resp: 5920620

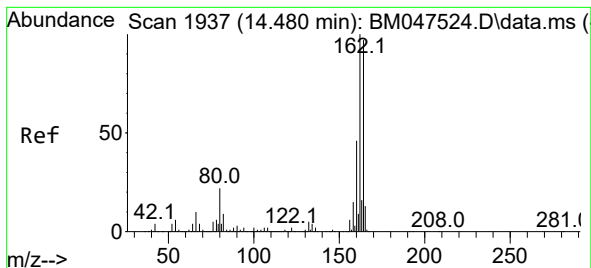
Ion Ratio Lower Upper

142 100

141 92.0 74.7 112.1

116 4.0 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.486 min Scan# 1937

Delta R.T. 0.006 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

Instrument :

BNA_M

ClientSampleId :

PB163160BSD

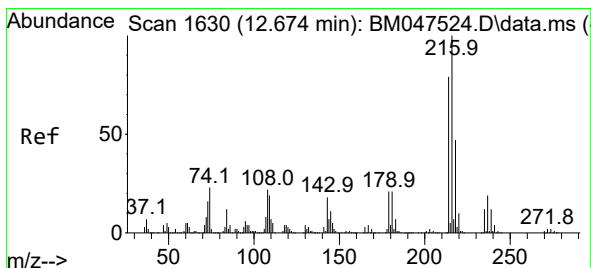
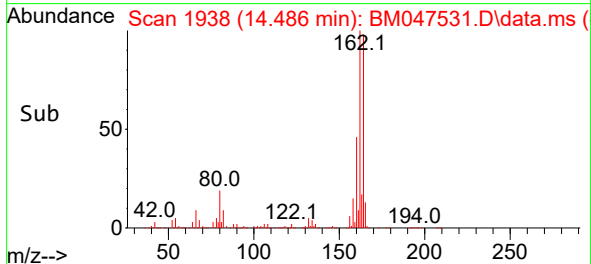
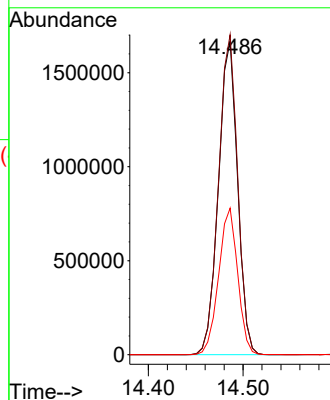
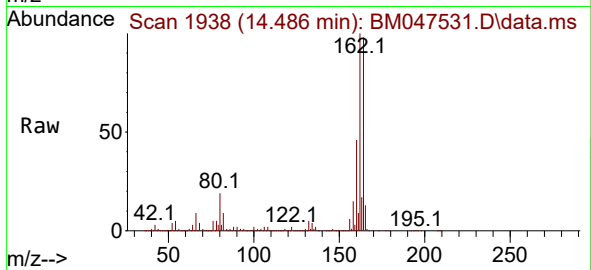
Tgt Ion:164 Resp: 2341128

Ion Ratio Lower Upper

164 100

162 102.1 82.2 123.2

160 46.7 38.2 57.2



#40

1,2,4,5-Tetrachlorobenzene

Concen: 43.203 ng

RT: 12.680 min Scan# 1631

Delta R.T. 0.006 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

Tgt Ion:216 Resp: 2736865

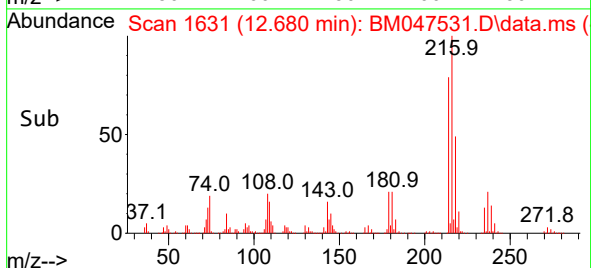
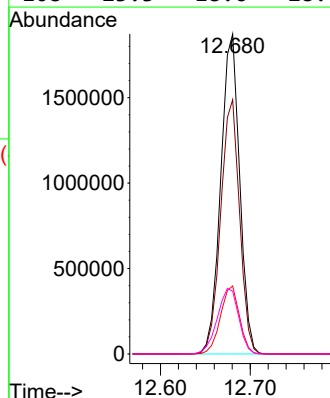
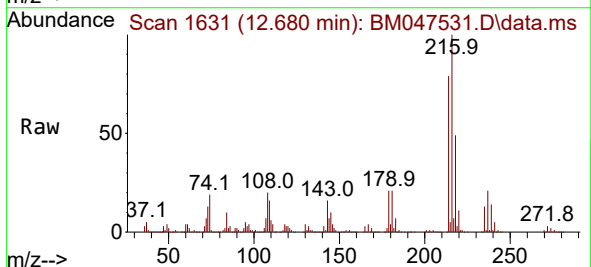
Ion Ratio Lower Upper

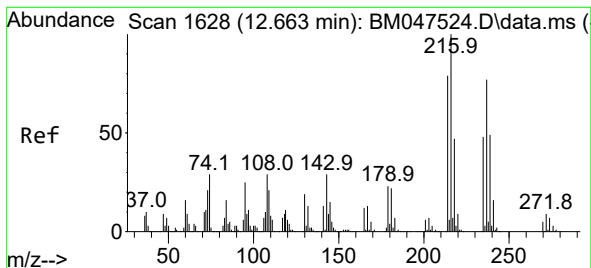
216 100

214 79.4 63.0 94.6

179 21.4 17.5 26.3

108 23.3 18.6 28.0





#41

Hexachlorocyclopentadiene

Concen: 97.832 ng

RT: 12.669 min Scan# 1

Delta R.T. 0.006 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

Instrument :

BNA_M

ClientSampleId :

PB163160BSD

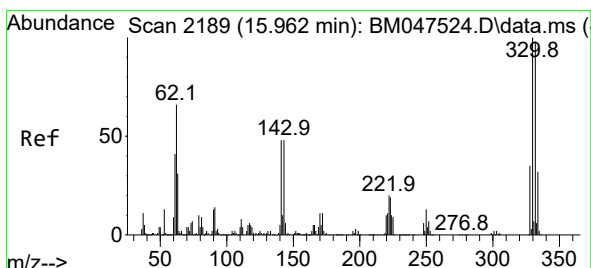
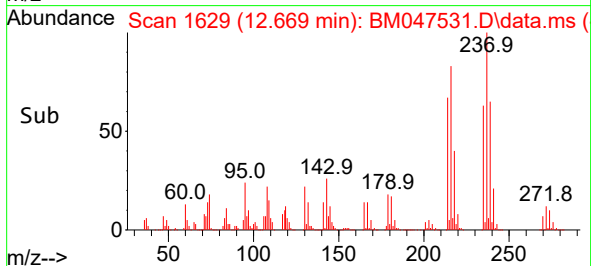
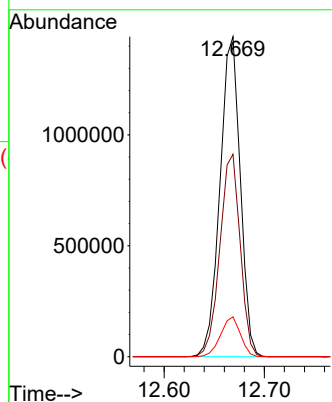
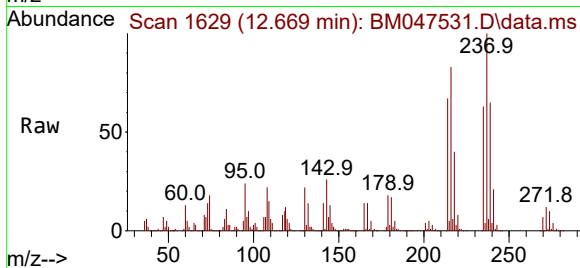
Tgt Ion:237 Resp: 2026060

Ion Ratio Lower Upper

237 100

235 63.2 42.0 82.0

272 12.4 0.0 31.5



#42

2,4,6-Tribromophenol

Concen: 133.934 ng

RT: 15.968 min Scan# 2190

Delta R.T. 0.006 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

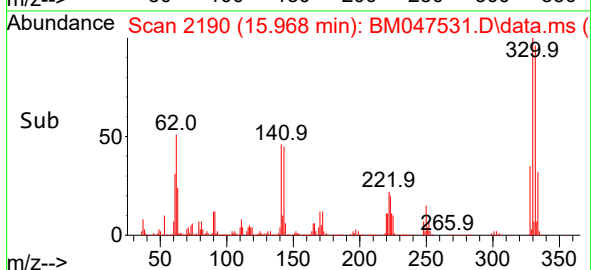
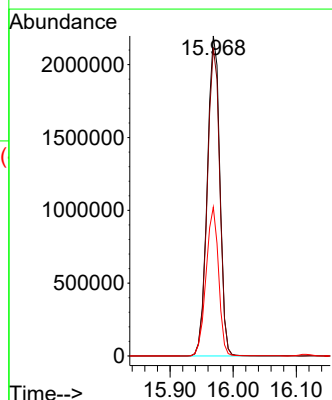
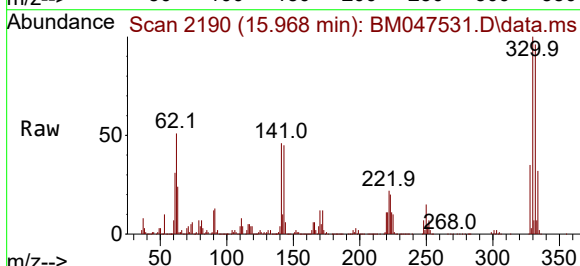
Tgt Ion:330 Resp: 3030806

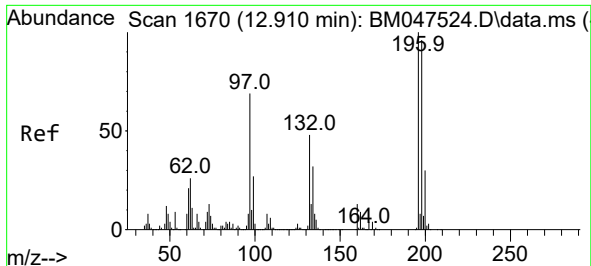
Ion Ratio Lower Upper

330 100

332 95.9 76.9 115.3

141 46.4 42.2 63.2

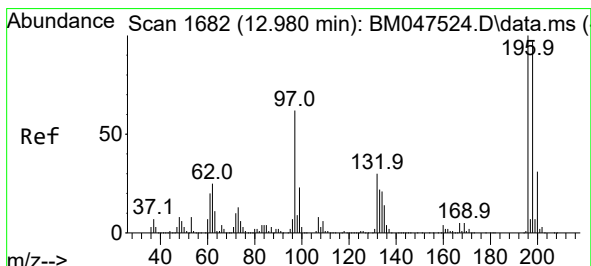
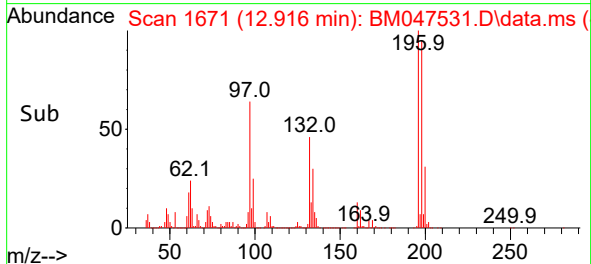
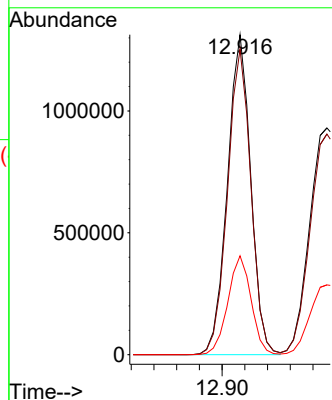
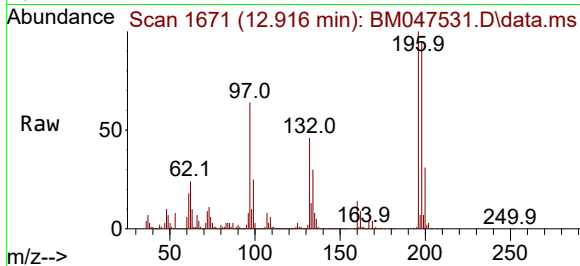




#43
2,4,6-Trichlorophenol
Concen: 47.110 ng
RT: 12.916 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

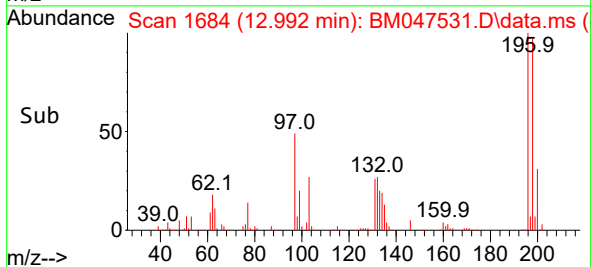
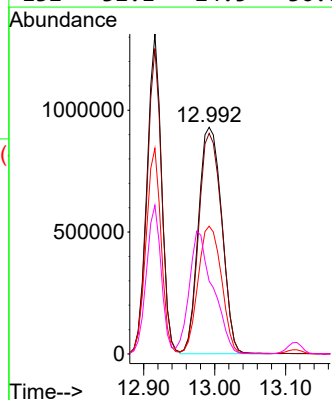
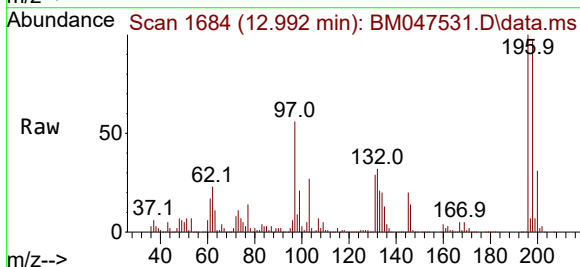
Instrument :
BNA_M
ClientSampleId :
PB163160BSD

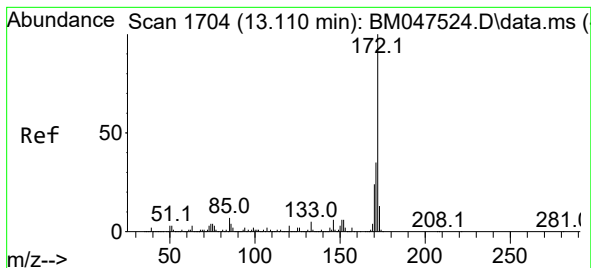
Tgt Ion:196 Resp: 1869709
Ion Ratio Lower Upper
196 100
198 95.4 76.9 115.3
200 30.9 24.3 36.5



#44
2,4,5-Trichlorophenol
Concen: 47.456 ng
RT: 12.992 min Scan# 1684
Delta R.T. 0.012 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

Tgt Ion:196 Resp: 2127335
Ion Ratio Lower Upper
196 100
198 97.3 77.4 116.2
97 56.4 49.8 74.8
132 32.1 24.5 36.7





#45

2-Fluorobiphenyl

Concen: 77.878 ng

RT: 13.110 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

Instrument :

BNA_M

ClientSampleId :

PB163160BSD

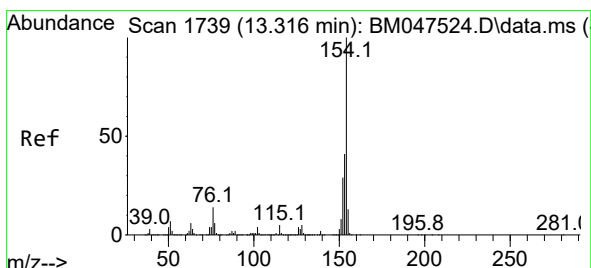
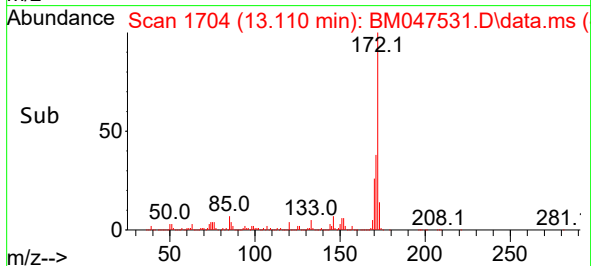
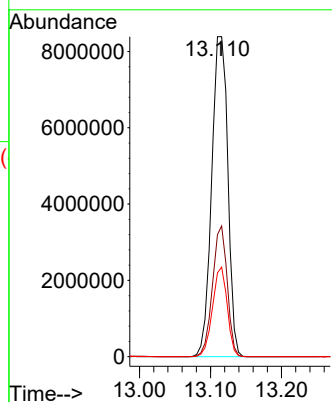
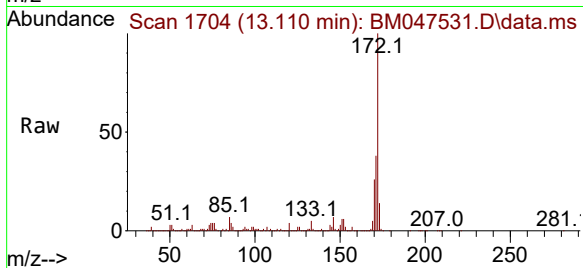
Tgt Ion:172 Resp:13235502

Ion Ratio Lower Upper

172 100

171 38.1 28.2 42.2

170 26.2 19.4 29.0



#46

1,1'-Biphenyl

Concen: 39.961 ng

RT: 13.322 min Scan# 1740

Delta R.T. 0.006 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

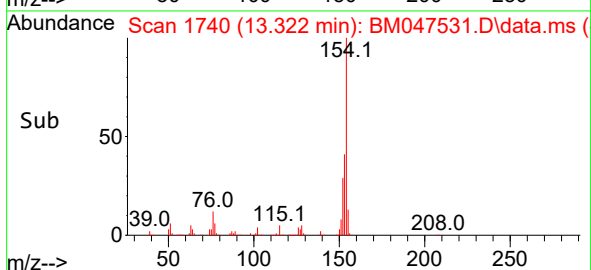
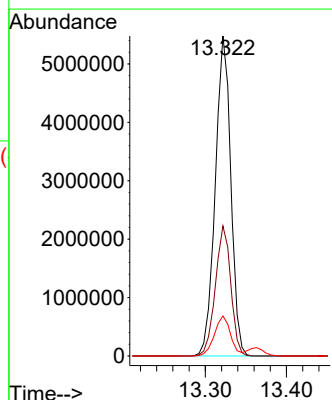
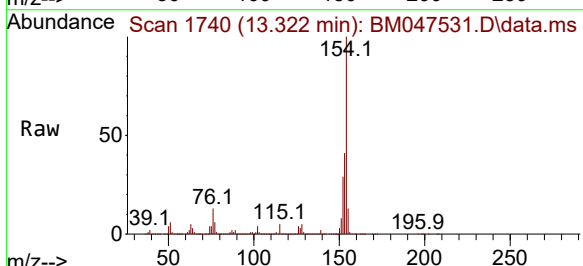
Tgt Ion:154 Resp: 7279022

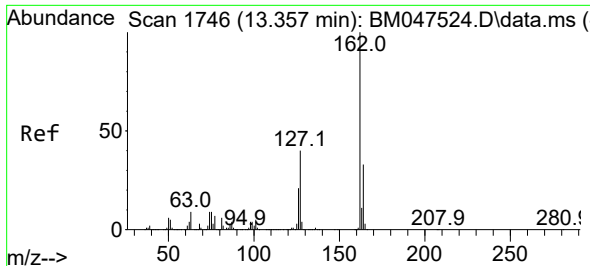
Ion Ratio Lower Upper

154 100

153 40.6 20.6 60.6

76 12.5 0.0 33.9

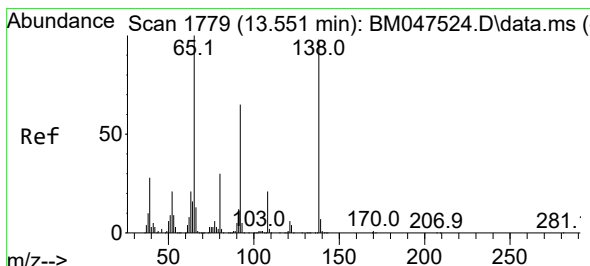
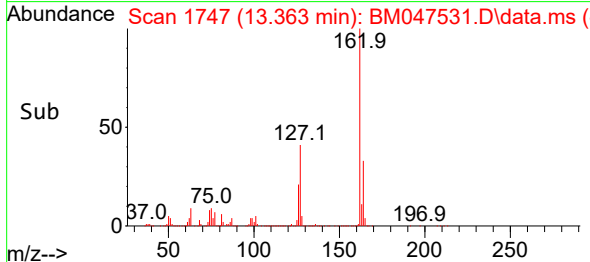
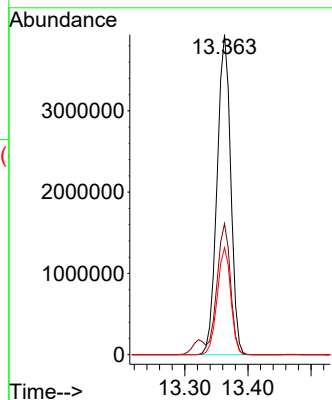
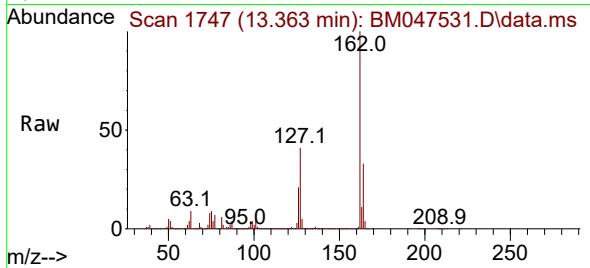




#47
2-Chloronaphthalene
Concen: 41.656 ng
RT: 13.363 min Scan# 1746
Delta R.T. 0.006 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

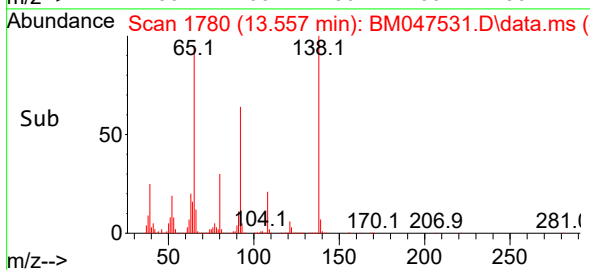
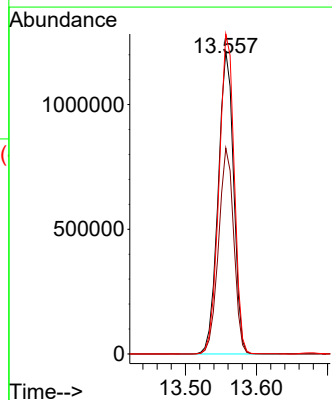
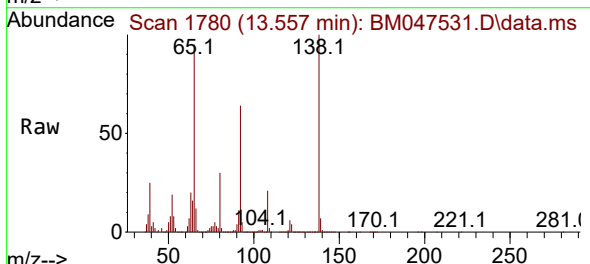
Instrument :
BNA_M
ClientSampleId :
PB163160BSD

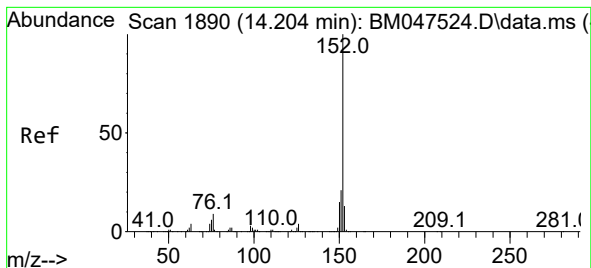
Tgt Ion:162 Resp: 5891760
Ion Ratio Lower Upper
162 100
127 41.0 32.2 48.4
164 33.4 26.3 39.5



#48
2-Nitroaniline
Concen: 44.006 ng
RT: 13.557 min Scan# 1780
Delta R.T. 0.006 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

Tgt Ion: 65 Resp: 1828124
Ion Ratio Lower Upper
65 100
92 68.0 51.9 77.9
138 105.6 78.5 117.7





#49

Acenaphthylene

Concen: 46.585 ng

RT: 14.204 min Scan# 1890

Delta R.T. 0.000 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

Instrument :

BNA_M

ClientSampleId :

PB163160BSD

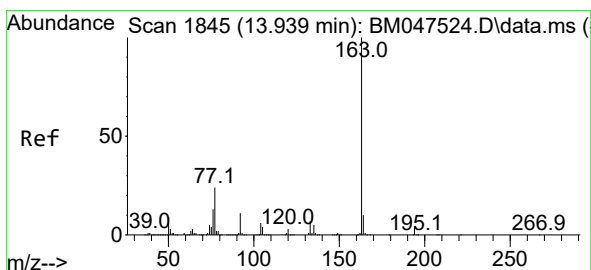
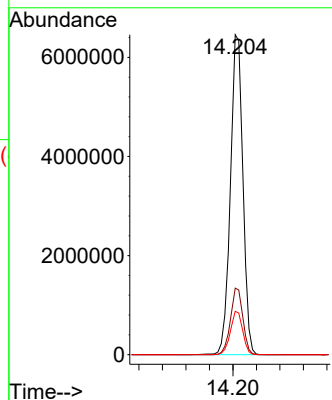
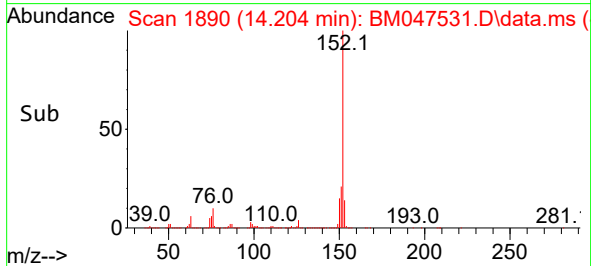
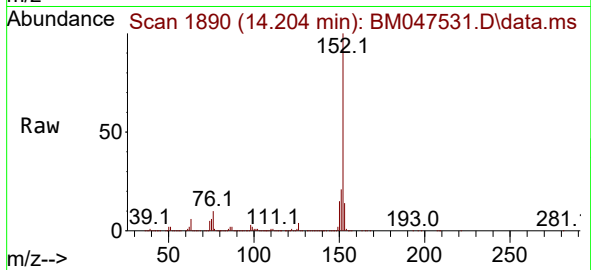
Tgt Ion:152 Resp: 9508223

Ion Ratio Lower Upper

152 100

151 20.8 16.5 24.7

153 13.6 10.4 15.6



#50

Dimethylphthalate

Concen: 42.564 ng

RT: 13.951 min Scan# 1847

Delta R.T. 0.012 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

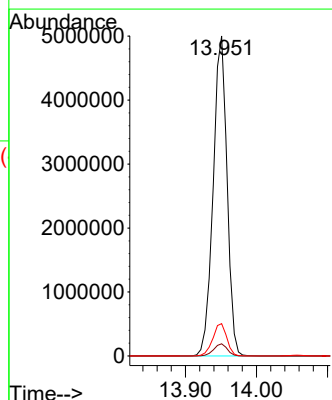
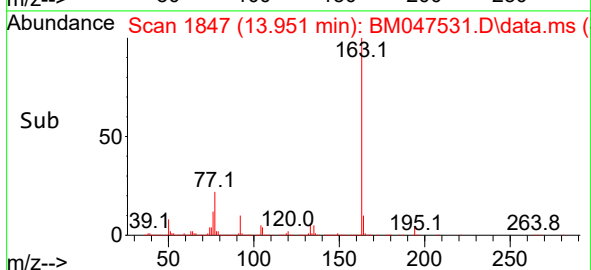
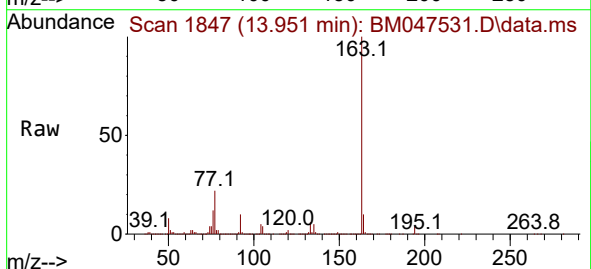
Tgt Ion:163 Resp: 6791885

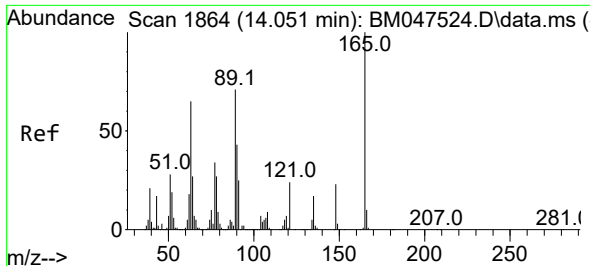
Ion Ratio Lower Upper

163 100

194 3.8 2.9 4.3

164 10.1 7.9 11.9

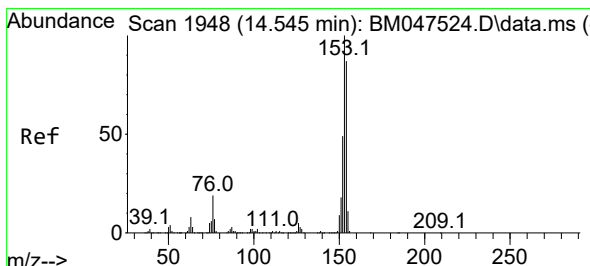
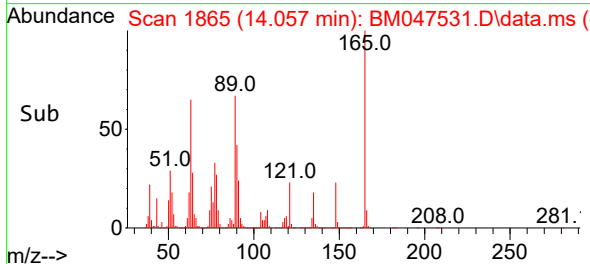
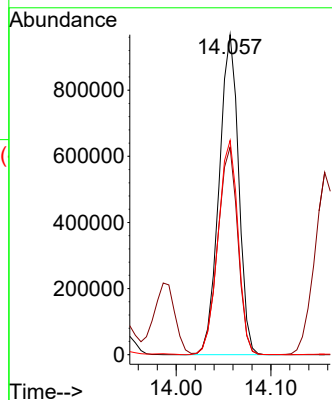
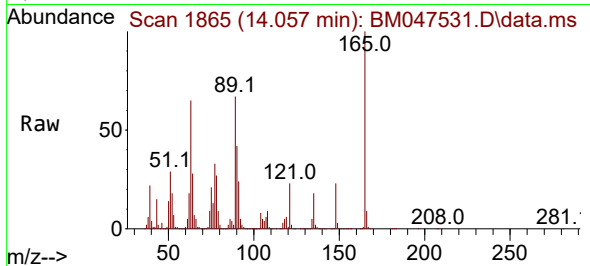




#51
2,6-Dinitrotoluene
Concen: 41.111 ng
RT: 14.057 min Scan# 1864
Delta R.T. 0.006 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

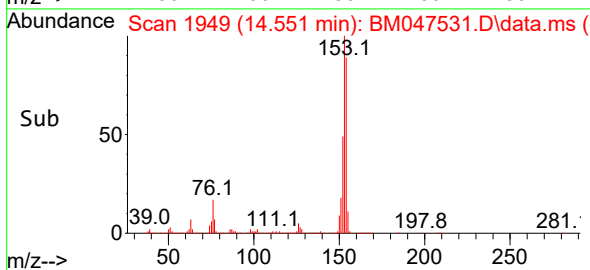
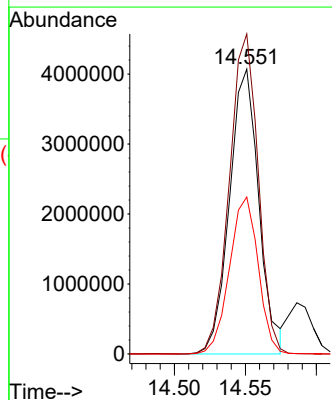
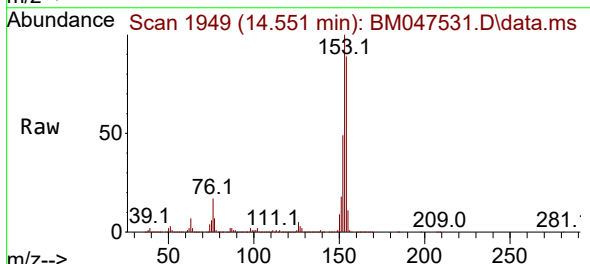
Instrument :
BNA_M
ClientSampleId :
PB163160BSD

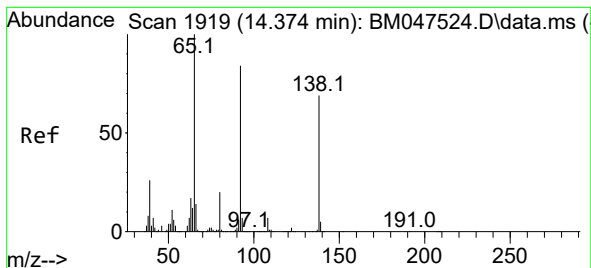
Tgt Ion:165 Resp: 1384837
Ion Ratio Lower Upper
165 100
63 64.8 54.2 81.2
89 66.9 56.4 84.6



#52
Acenaphthene
Concen: 40.928 ng
RT: 14.551 min Scan# 1949
Delta R.T. 0.006 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

Tgt Ion:154 Resp: 5853063
Ion Ratio Lower Upper
154 100
153 112.4 92.2 138.2
152 55.1 45.4 68.0

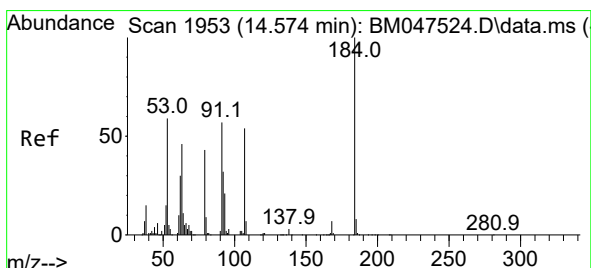
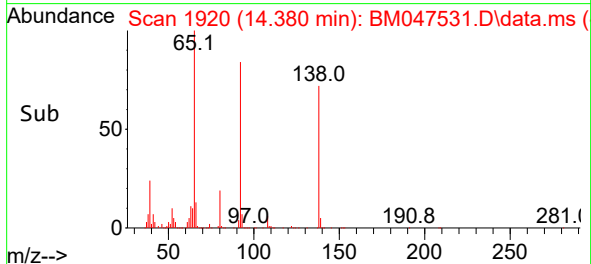
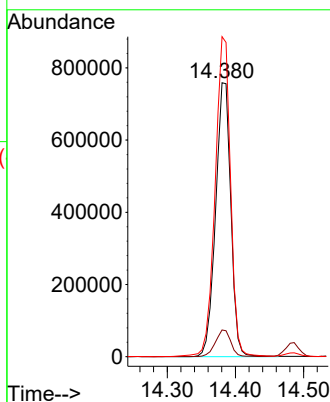
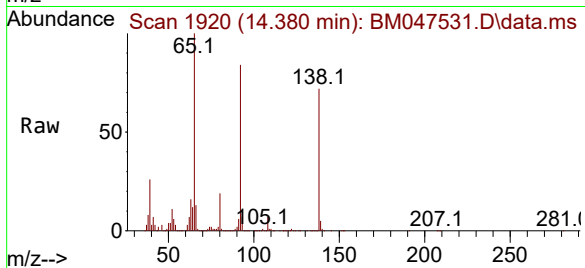




#53
3-Nitroaniline
Concen: 31.466 ng
RT: 14.380 min Scan# 1919
Delta R.T. 0.006 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

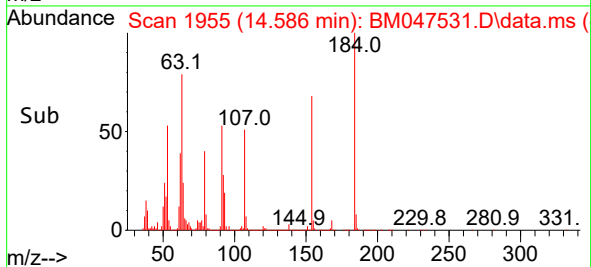
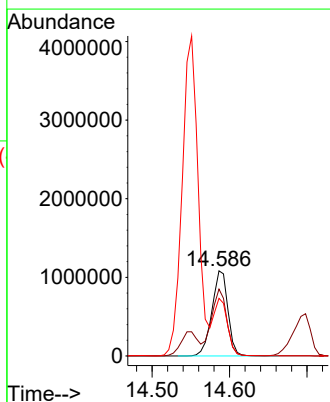
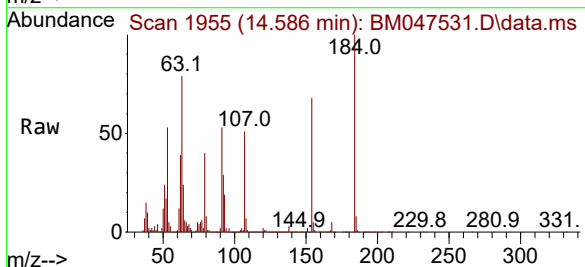
Instrument :
BNA_M
ClientSampleId :
PB163160BSD

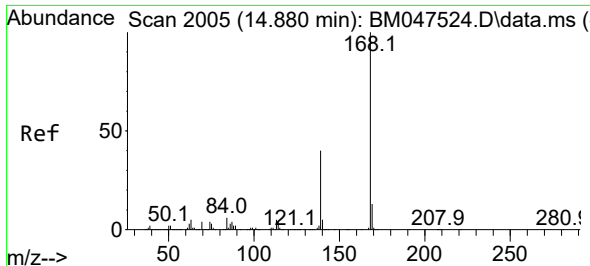
Tgt Ion:138 Resp: 1178112
Ion Ratio Lower Upper
138 100
108 9.8 8.0 12.0
92 116.8 97.4 146.0



#54
2,4-Dinitrophenol
Concen: 81.280 ng
RT: 14.586 min Scan# 1955
Delta R.T. 0.012 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

Tgt Ion:184 Resp: 1551705
Ion Ratio Lower Upper
184 100
63 78.6 69.4 104.0
154 67.7 60.4 90.6

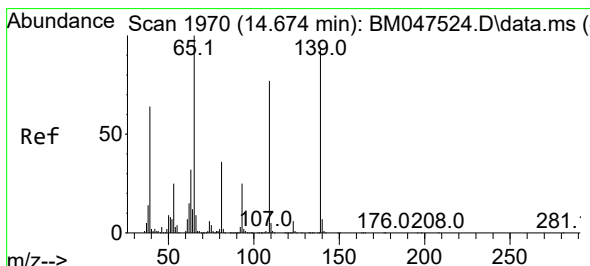
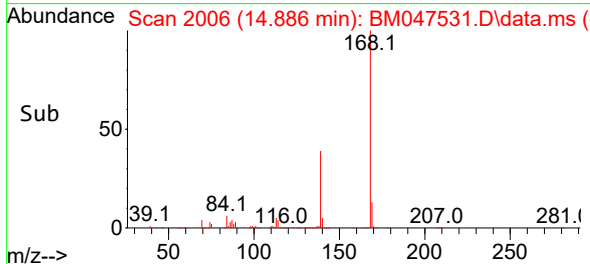
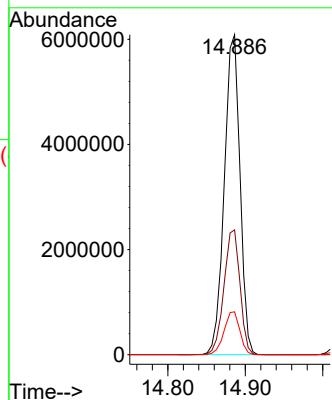
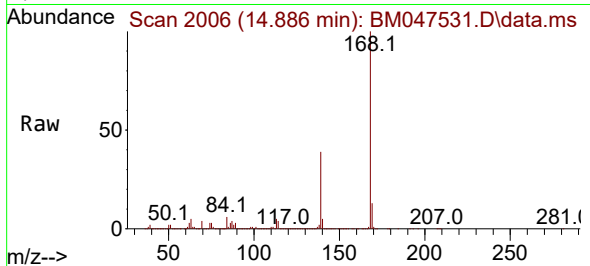




#55
Dibenzenofuran
Concen: 42.601 ng
RT: 14.886 min Scan# 20
Delta R.T. 0.006 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

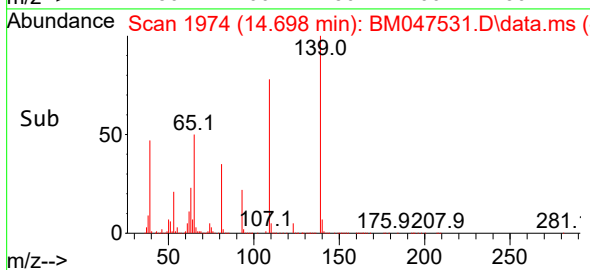
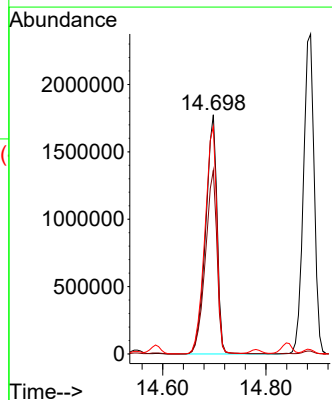
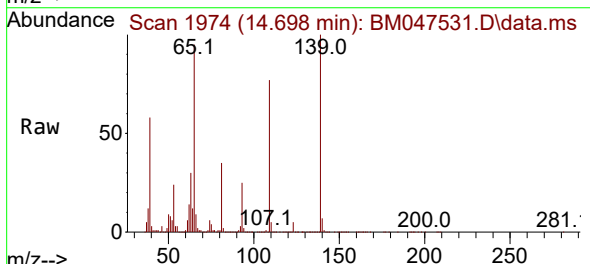
Instrument :
BNA_M
ClientSampleId :
PB163160BSD

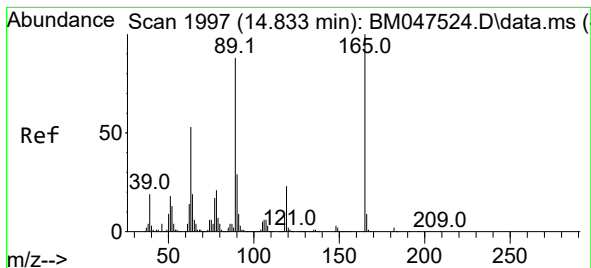
Tgt Ion:168 Resp: 8561086
Ion Ratio Lower Upper
168 100
139 39.0 31.9 47.9
169 13.4 10.5 15.7



#56
4-Nitrophenol
Concen: 88.605 ng
RT: 14.698 min Scan# 1974
Delta R.T. 0.024 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

Tgt Ion:139 Resp: 2729881
Ion Ratio Lower Upper
139 100
109 76.7 62.0 102.0
65 95.0 87.0 127.0

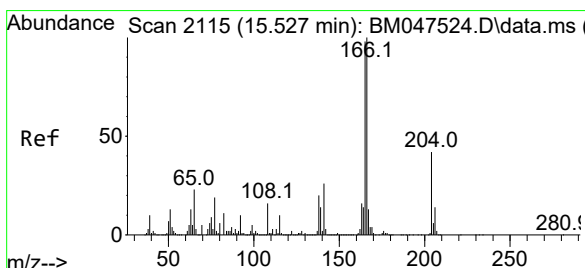
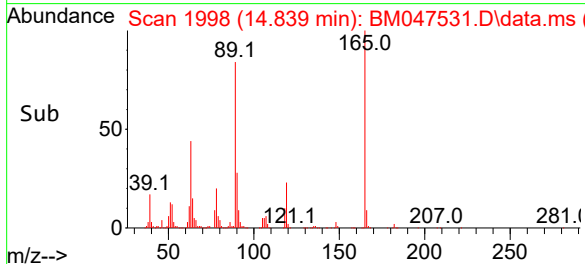
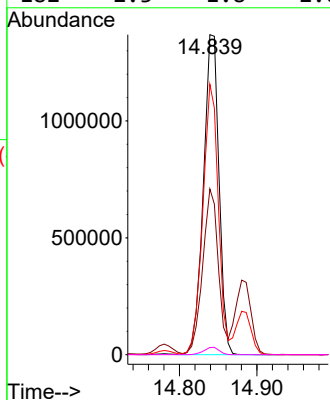
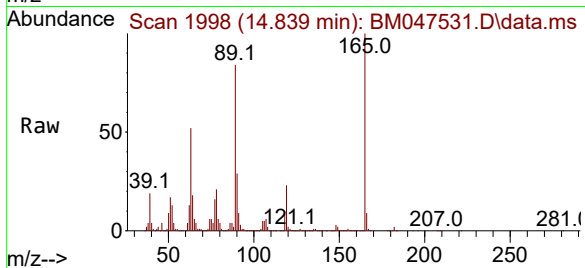




#57
2,4-Dinitrotoluene
Concen: 42.659 ng
RT: 14.839 min Scan# 1997
Delta R.T. 0.006 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

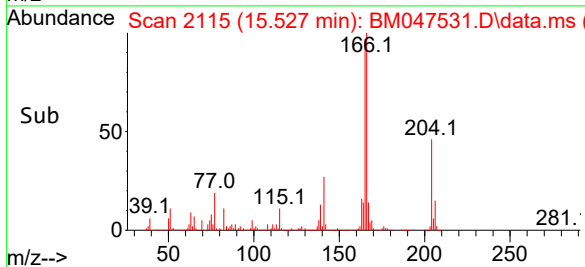
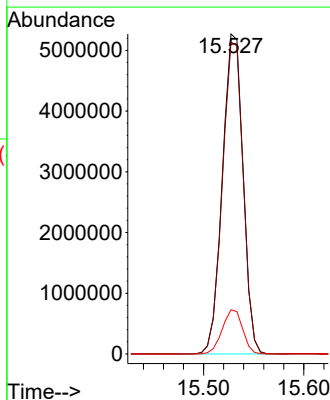
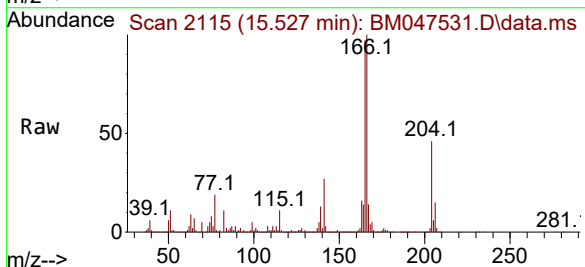
Instrument :
BNA_M
ClientSampleId :
PB163160BSD

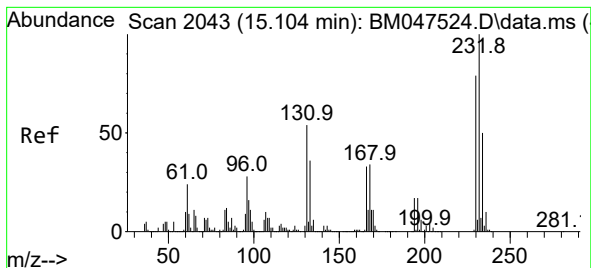
Tgt Ion:165 Resp: 1916492
Ion Ratio Lower Upper
165 100
63 51.8 42.4 63.6
89 84.5 70.5 105.7
182 2.3 1.8 2.6



#58
Fluorene
Concen: 41.679 ng
RT: 15.527 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

Tgt Ion:166 Resp: 7540888
Ion Ratio Lower Upper
166 100
165 97.5 78.6 117.8
167 13.8 10.7 16.1

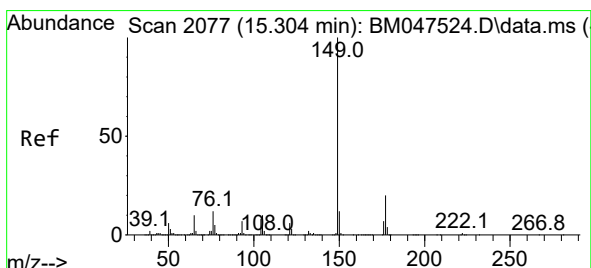
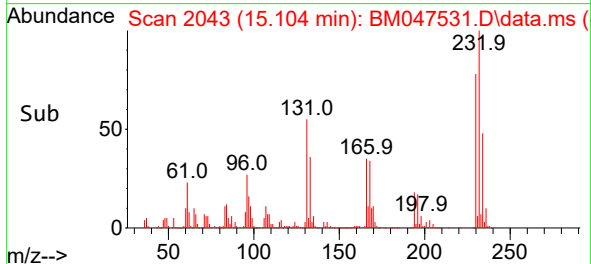
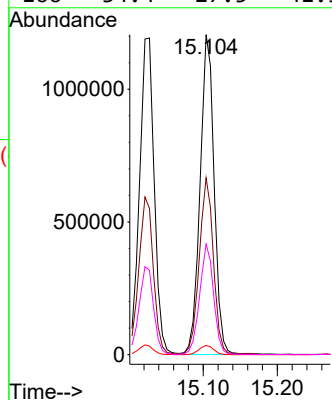
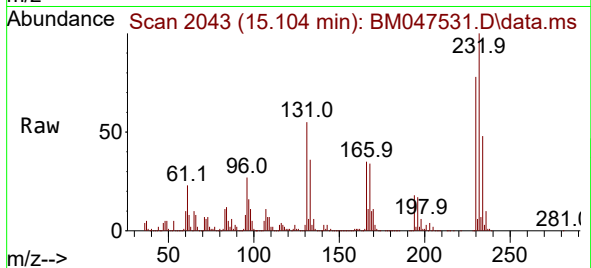




#59
2,3,4,6-Tetrachlorophenol
Concen: 45.500 ng
RT: 15.104 min Scan# 2043
Delta R.T. 0.000 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

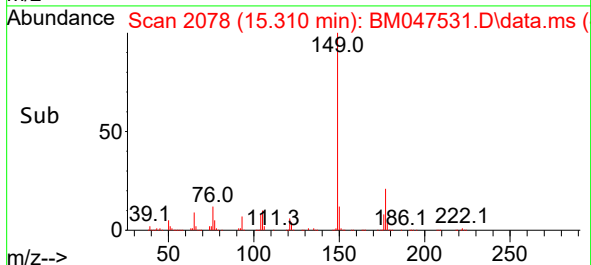
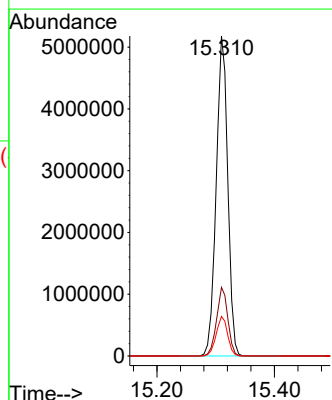
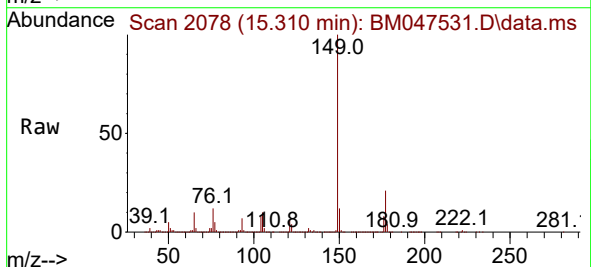
Instrument :
BNA_M
ClientSampleId :
PB163160BSD

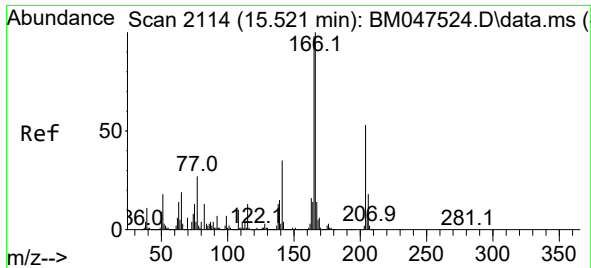
Tgt Ion:232 Resp: 1590245
Ion Ratio Lower Upper
232 100
131 55.0 47.0 70.4
130 3.0 2.6 3.8
166 34.4 27.5 41.3



#60
Diethylphthalate
Concen: 41.488 ng
RT: 15.310 min Scan# 2078
Delta R.T. 0.006 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

Tgt Ion:149 Resp: 7045563
Ion Ratio Lower Upper
149 100
177 21.5 15.8 23.8
150 12.4 9.7 14.5

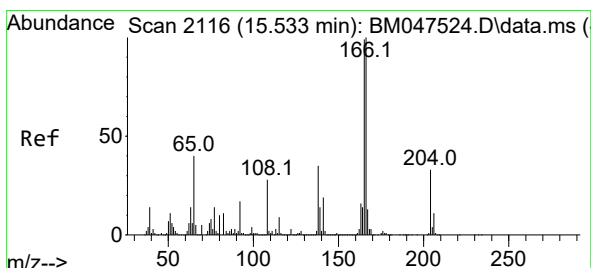
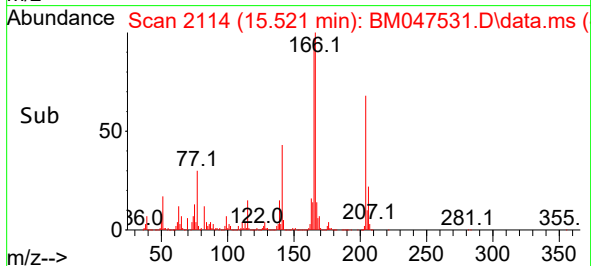
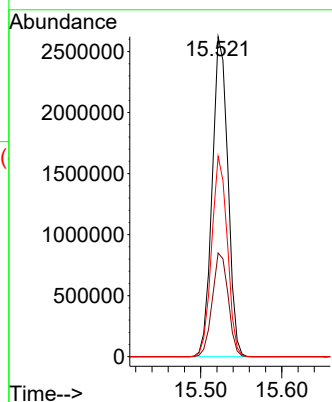
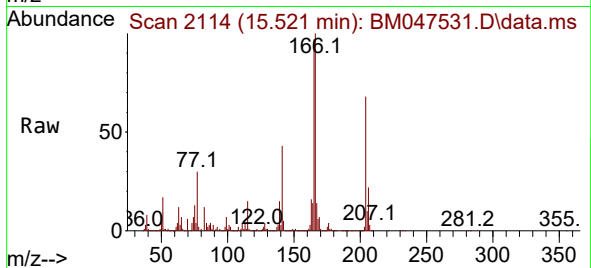




#61
4-Chlorophenyl-phenylether
Concen: 42.399 ng
RT: 15.521 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

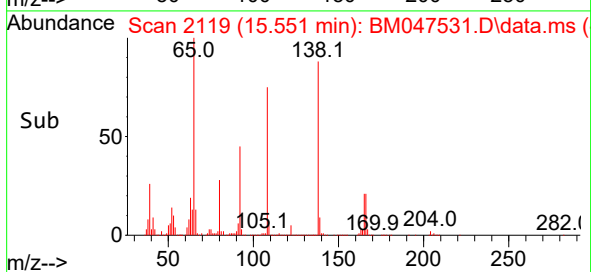
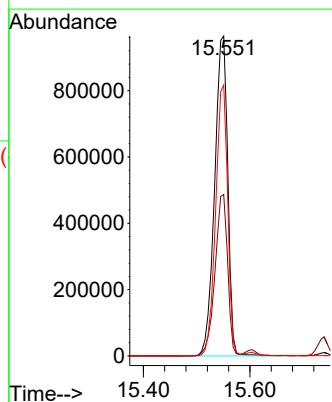
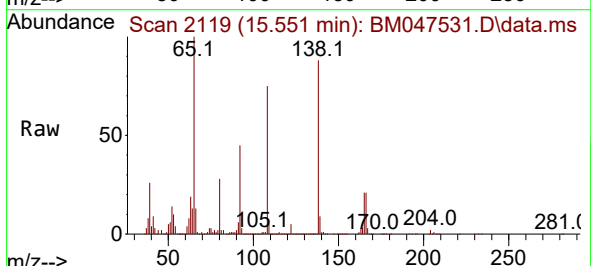
Instrument :
BNA_M
ClientSampleId :
PB163160BSD

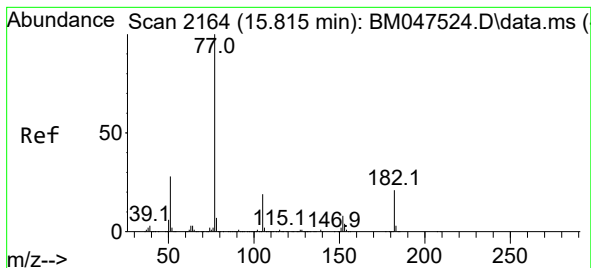
Tgt Ion:204 Resp: 3507560
Ion Ratio Lower Upper
204 100
206 32.4 26.5 39.7
141 62.6 52.1 78.1



#62
4-Nitroaniline
Concen: 37.494 ng
RT: 15.551 min Scan# 2119
Delta R.T. 0.018 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

Tgt Ion:138 Resp: 1650156
Ion Ratio Lower Upper
138 100
92 50.4 30.0 70.0
108 84.7 61.7 101.7





#63

Azobenzene

Concen: 40.151 ng

RT: 15.816 min Scan# 2164

Delta R.T. 0.000 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

Instrument :

BNA_M

ClientSampleId :

PB163160BSD

Tgt Ion: 77 Resp: 7507862

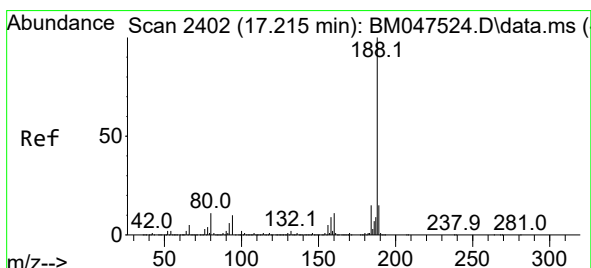
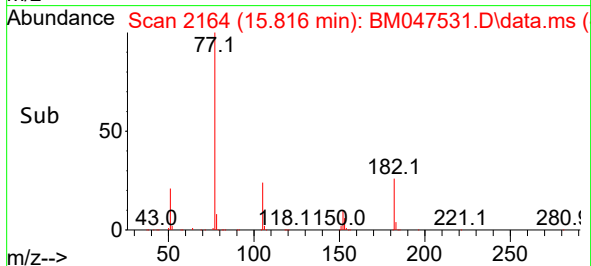
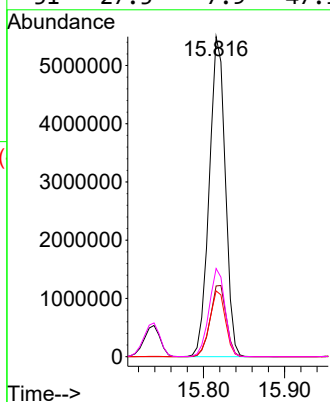
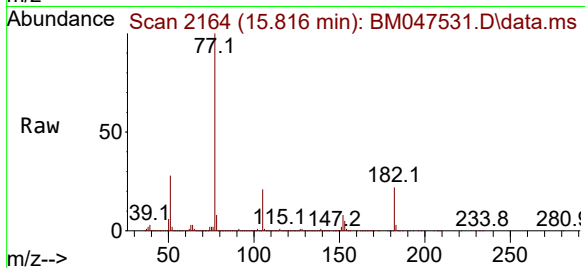
Ion Ratio Lower Upper

77 100

182 22.1 1.2 41.2

105 20.5 0.0 39.4

51 27.5 7.9 47.9



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.215 min Scan# 2402

Delta R.T. 0.000 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

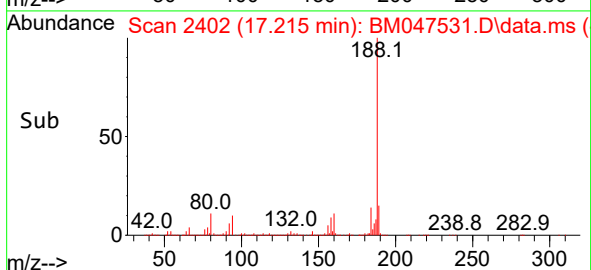
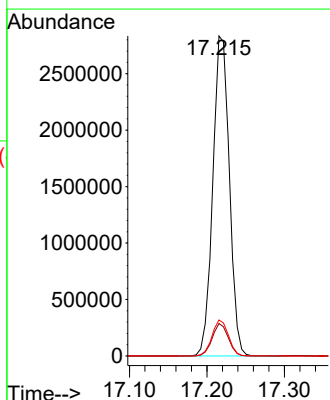
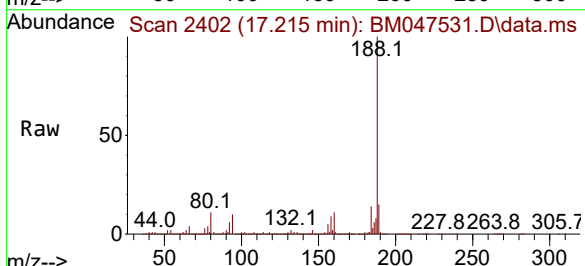
Tgt Ion:188 Resp: 4194273

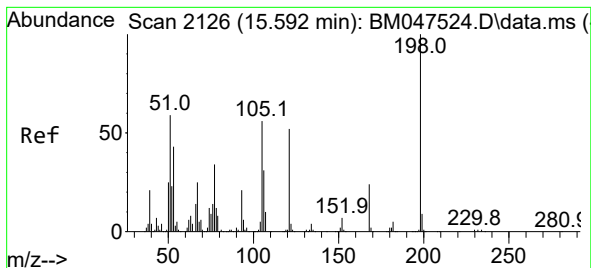
Ion Ratio Lower Upper

188 100

94 10.2 8.4 12.6

80 11.2 9.1 13.7

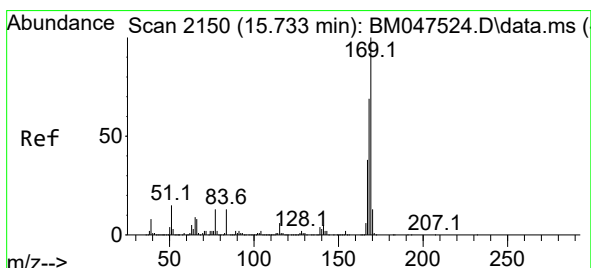
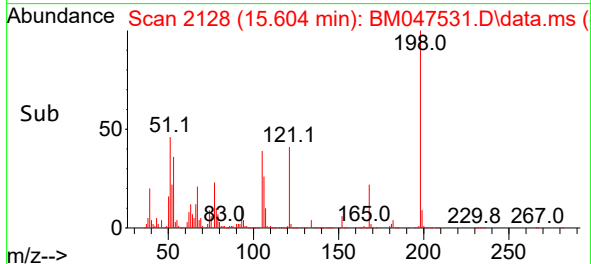
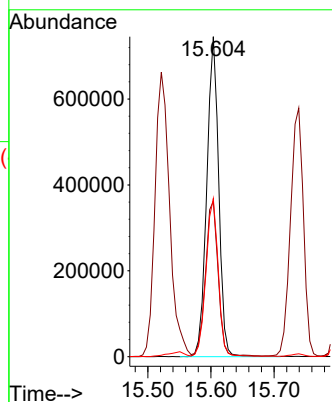
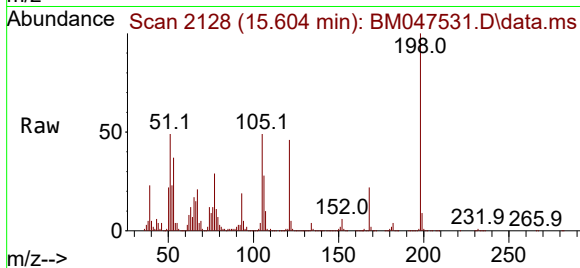




#65
4,6-Dinitro-2-methylphenol
Concen: 45.969 ng
RT: 15.604 min Scan# 2126
Delta R.T. 0.012 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

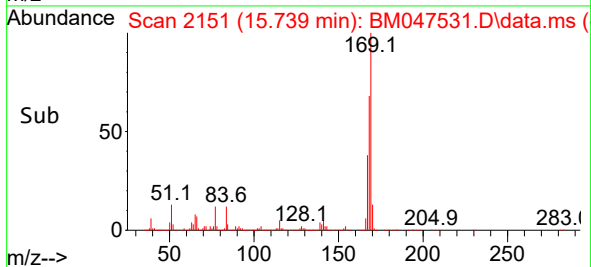
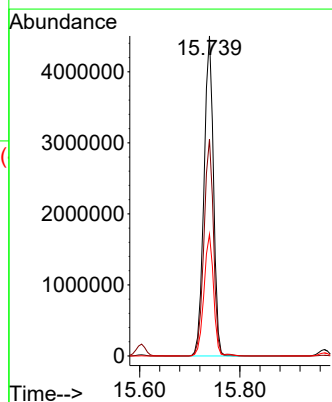
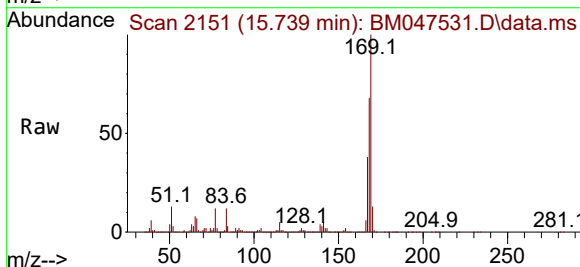
Instrument :
BNA_M
ClientSampleId :
PB163160BSD

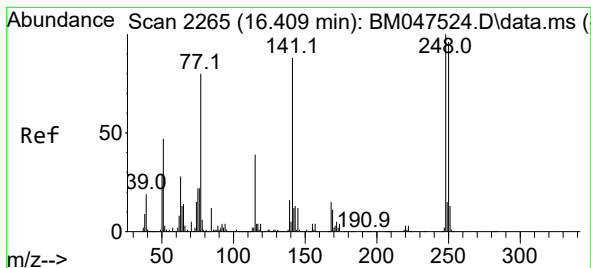
Tgt Ion:198 Resp: 974425
Ion Ratio Lower Upper
198 100
51 48.5 41.5 81.5
105 49.4 36.4 76.4



#66
n-Nitrosodiphenylamine
Concen: 46.035 ng
RT: 15.739 min Scan# 2151
Delta R.T. 0.006 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

Tgt Ion:169 Resp: 5906831
Ion Ratio Lower Upper
169 100
168 67.8 55.3 82.9
167 38.0 30.5 45.7

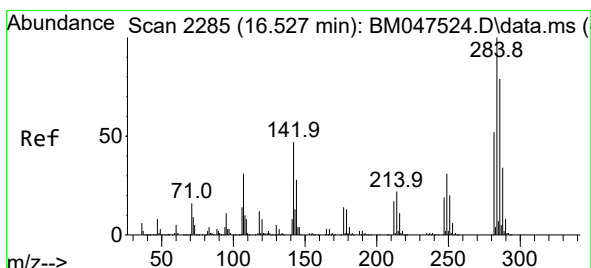
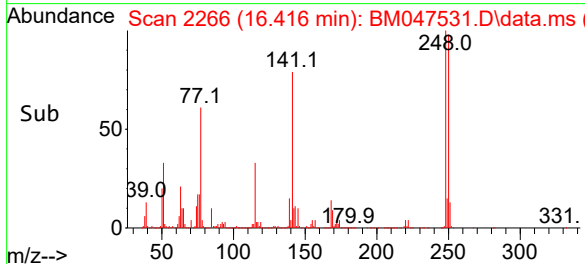
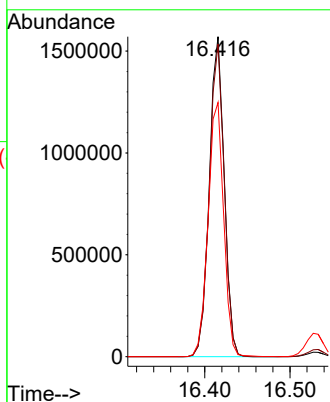
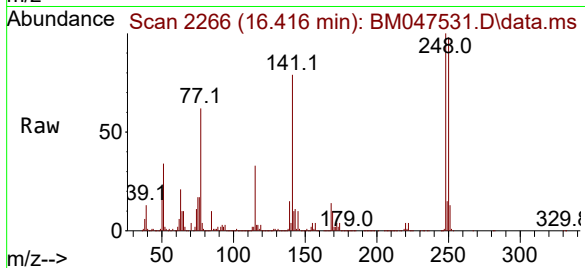




#67
4-Bromophenyl-phenylether
Concen: 47.028 ng
RT: 16.416 min Scan# 2266
Delta R.T. 0.006 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

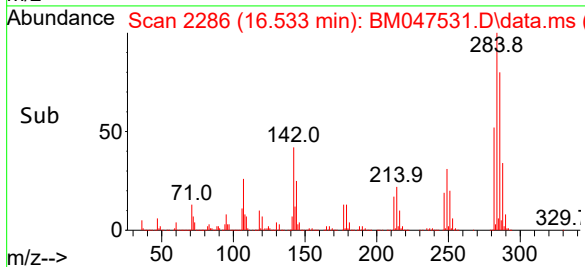
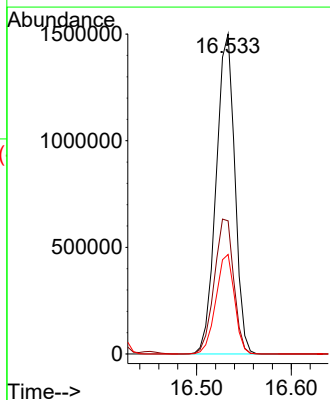
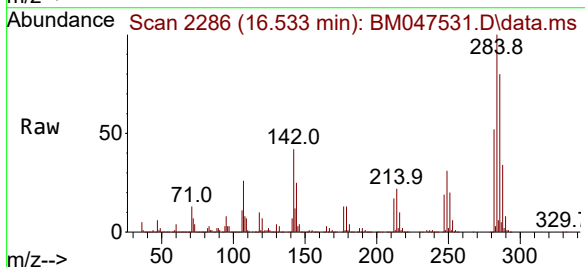
Instrument :
BNA_M
ClientSampleId :
PB163160BSD

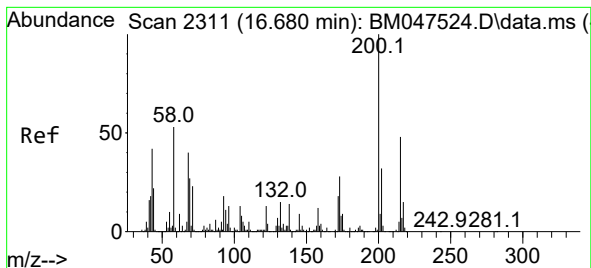
Tgt Ion:248 Resp: 1916606
Ion Ratio Lower Upper
248 100
250 97.7 76.9 115.3
141 79.5 70.8 106.2



#68
Hexachlorobenzene
Concen: 44.519 ng
RT: 16.533 min Scan# 2286
Delta R.T. 0.006 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

Tgt Ion:284 Resp: 2055417
Ion Ratio Lower Upper
284 100
142 41.6 37.3 55.9
249 31.1 24.5 36.7





#69

Atrazine

Concen: 29.822 ng

RT: 16.686 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

Instrument :

BNA_M

ClientSampleId :

PB163160BSD

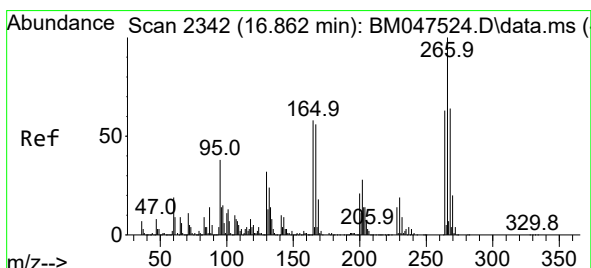
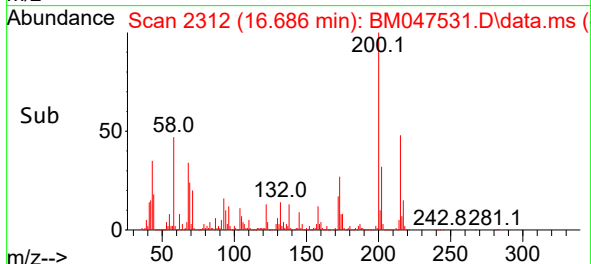
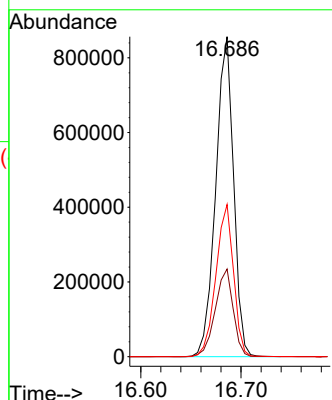
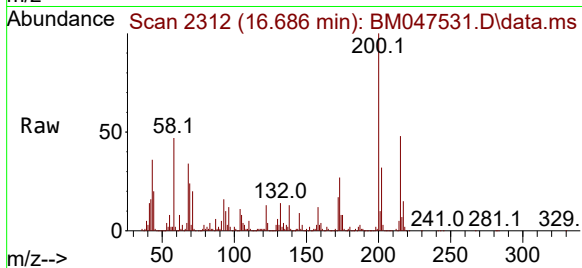
Tgt Ion:200 Resp: 1057596

Ion Ratio Lower Upper

200 100

173 27.4 7.7 47.7

215 47.5 27.9 67.9



#70

Pentachlorophenol

Concen: 102.483 ng

RT: 16.868 min Scan# 2343

Delta R.T. 0.006 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

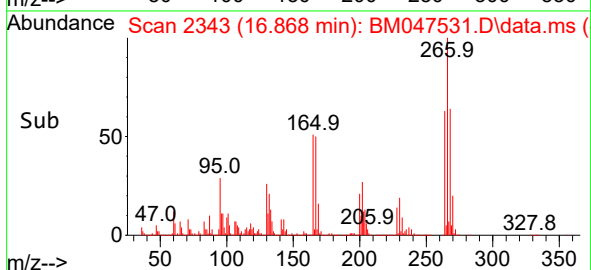
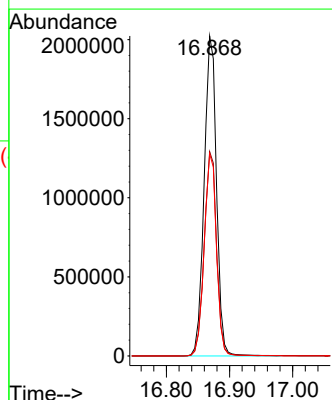
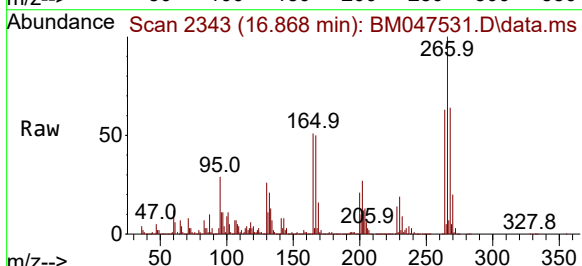
Tgt Ion:266 Resp: 2742775

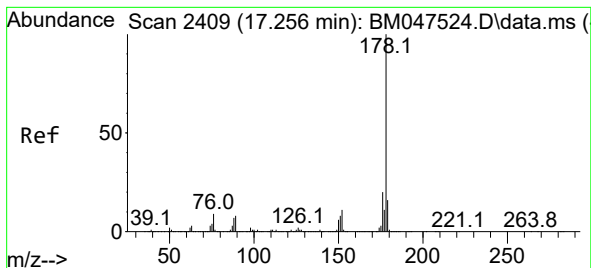
Ion Ratio Lower Upper

266 100

268 63.8 51.0 76.4

264 63.2 50.4 75.6

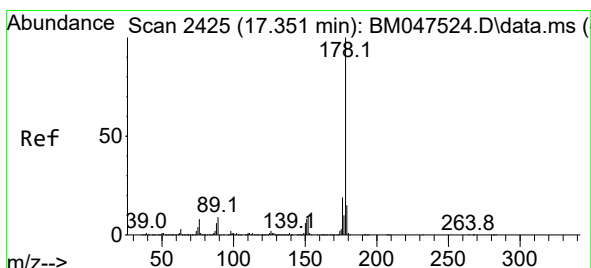
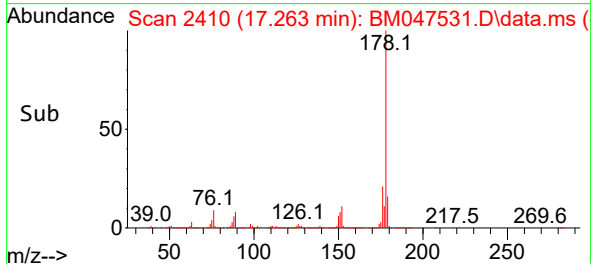
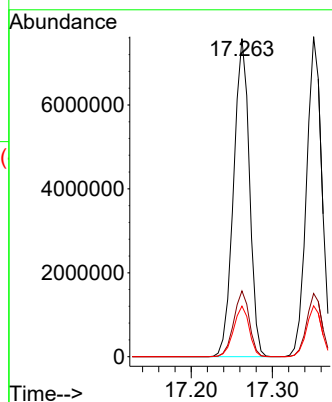
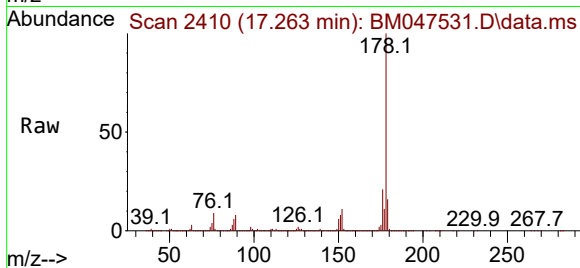




#71
Phenanthrene
Concen: 44.330 ng
RT: 17.263 min Scan# 2409
Delta R.T. 0.006 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

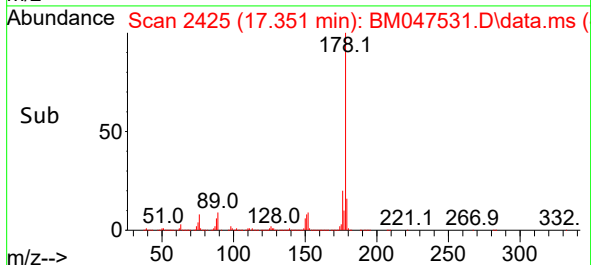
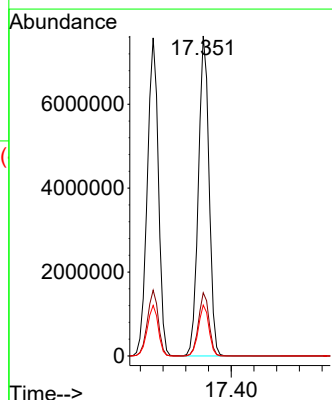
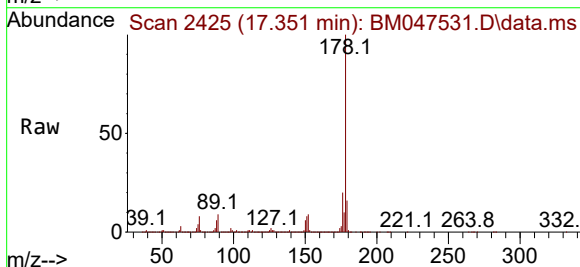
Instrument :
BNA_M
ClientSampleId :
PB163160BSD

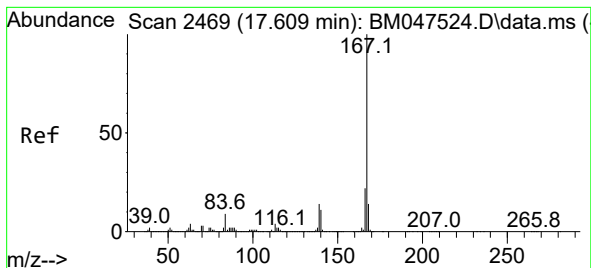
Tgt Ion:178 Resp:10246701
Ion Ratio Lower Upper
178 100
176 20.7 16.0 24.0
179 15.9 12.4 18.6



#72
Anthracene
Concen: 44.968 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

Tgt Ion:178 Resp: 9986275
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.0
179 15.9 12.3 18.5





#73

Carbazole

Concen: 42.536 ng

RT: 17.615 min Scan# 24

Delta R.T. 0.006 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

Instrument :

BNA_M

ClientSampleId :

PB163160BSD

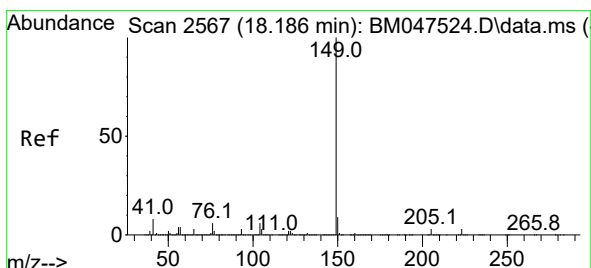
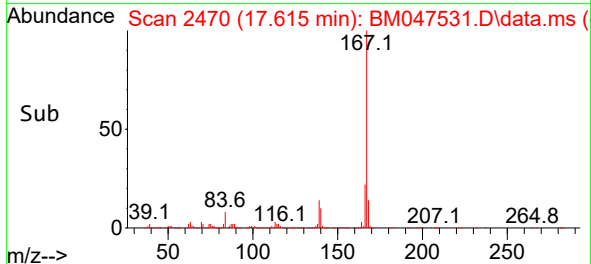
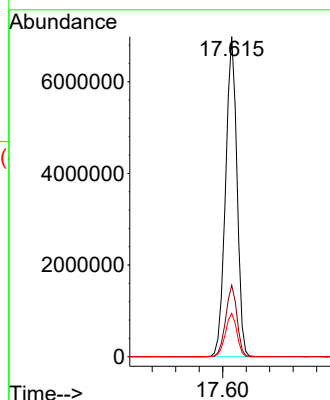
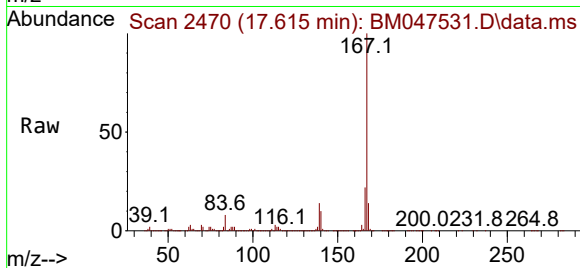
Tgt Ion:167 Resp: 9361501

Ion Ratio Lower Upper

167 100

166 22.3 17.8 26.8

139 13.6 11.0 16.6



#74

Di-n-butylphthalate

Concen: 43.023 ng

RT: 18.186 min Scan# 2567

Delta R.T. 0.000 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

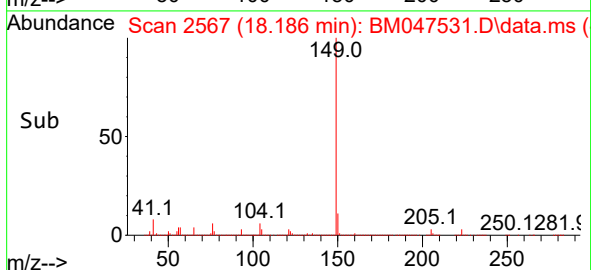
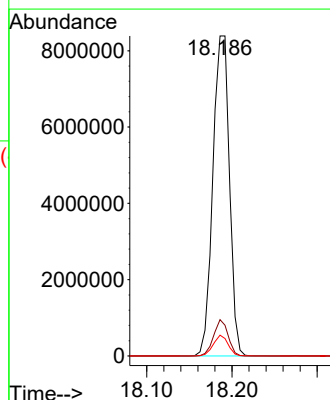
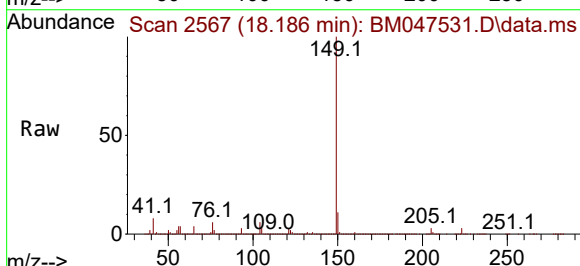
Tgt Ion:149 Resp:11329108

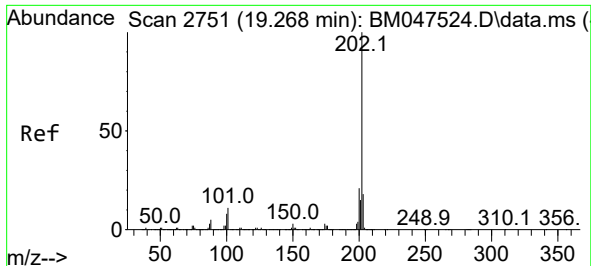
Ion Ratio Lower Upper

149 100

150 11.3 7.4 11.2#

104 6.5 4.6 6.8

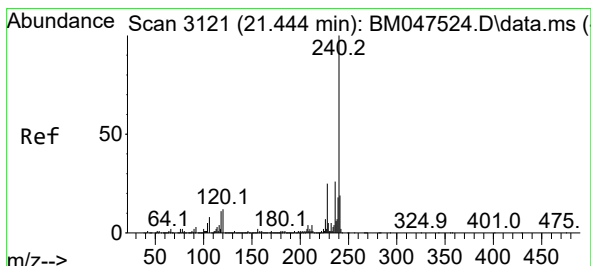
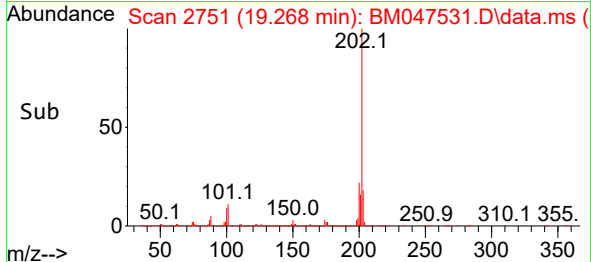
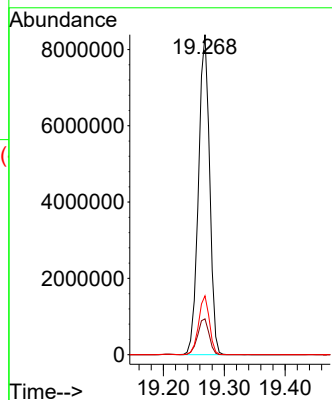
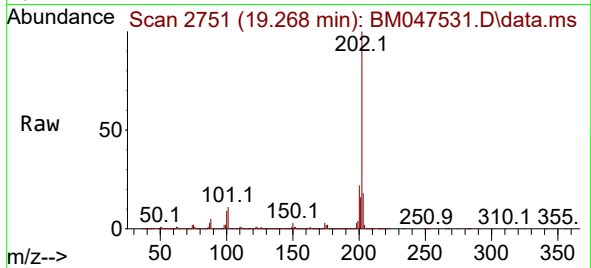




#75
Fluoranthene
Concen: 42.211 ng
RT: 19.268 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

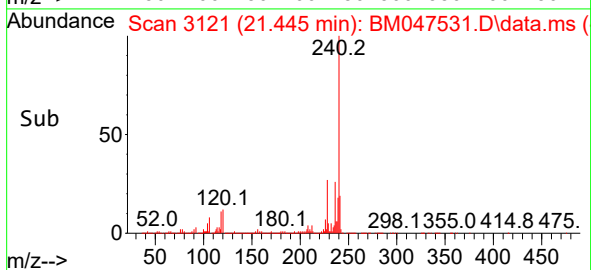
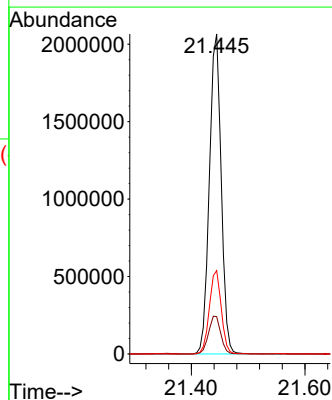
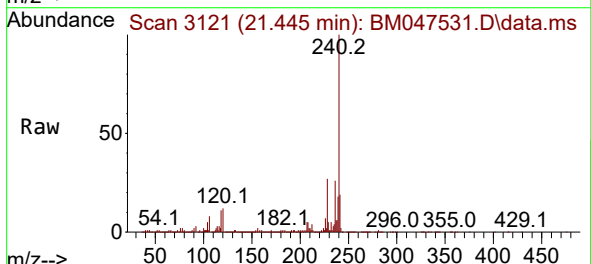
Instrument :
BNA_M
ClientSampleId :
PB163160BSD

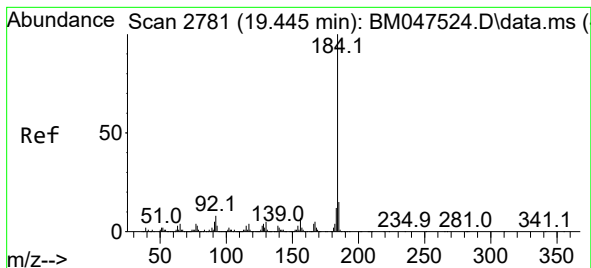
Tgt Ion:202 Resp:10645299
Ion Ratio Lower Upper
202 100
101 11.2 0.0 30.8
203 18.4 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.445 min Scan# 3121
Delta R.T. 0.001 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

Tgt Ion:240 Resp: 2967510
Ion Ratio Lower Upper
240 100
120 11.6 9.6 14.4
236 26.0 20.9 31.3





#77

Benzidine

Concen: 10.656 ng

RT: 19.445 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

Instrument :

BNA_M

ClientSampleId :

PB163160BSD

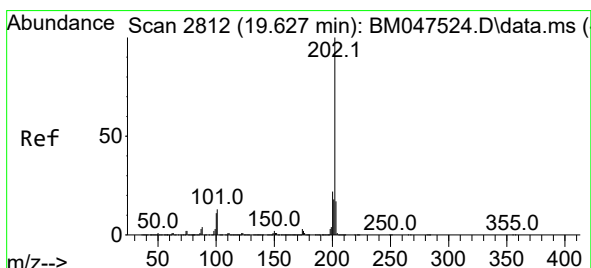
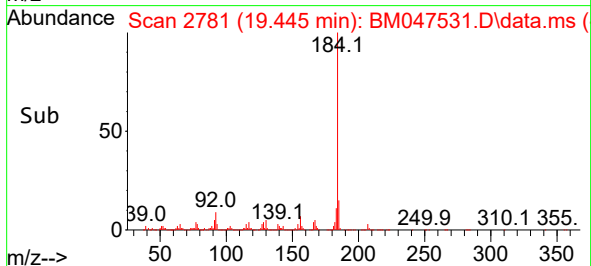
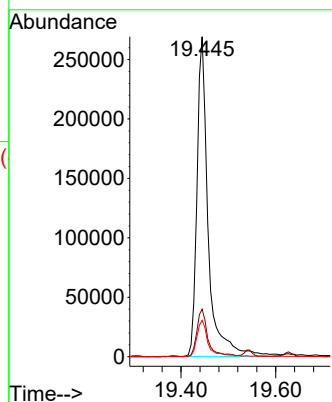
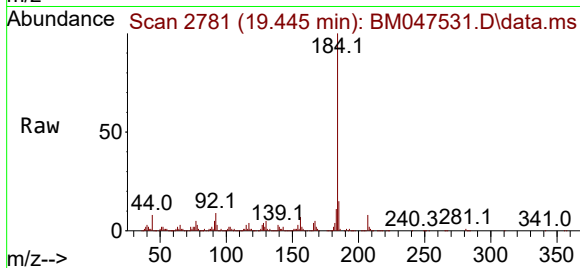
Tgt Ion:184 Resp: 445342

Ion Ratio Lower Upper

184 100

185 14.8 12.2 18.2

183 11.4 9.6 14.4



#78

Pyrene

Concen: 50.312 ng

RT: 19.627 min Scan# 2812

Delta R.T. 0.000 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

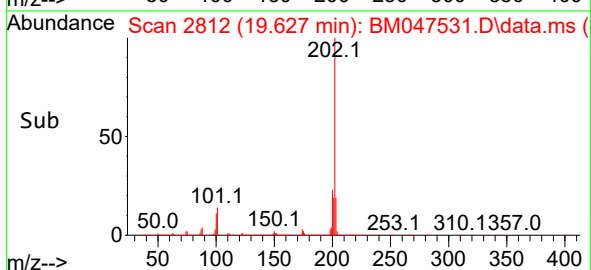
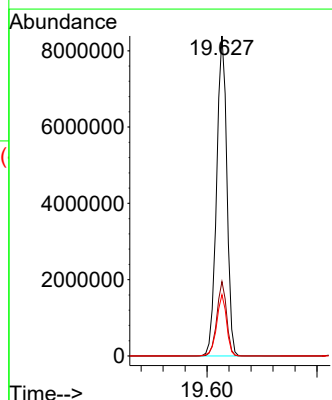
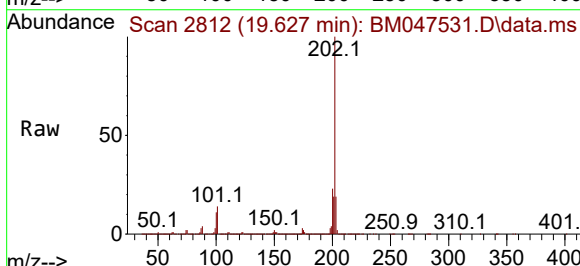
Tgt Ion:202 Resp:10890348

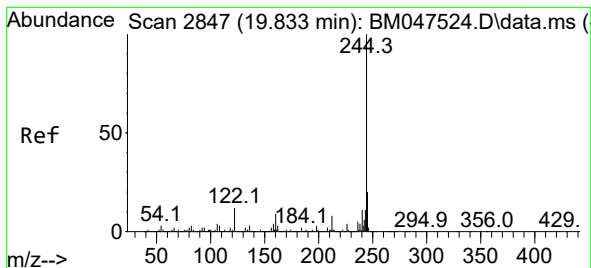
Ion Ratio Lower Upper

202 100

200 23.3 17.2 25.8

203 19.2 14.0 21.0





#79

Terphenyl-d14

Concen: 78.755 ng

RT: 19.827 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

Instrument :

BNA_M

ClientSampleId :

PB163160BSD

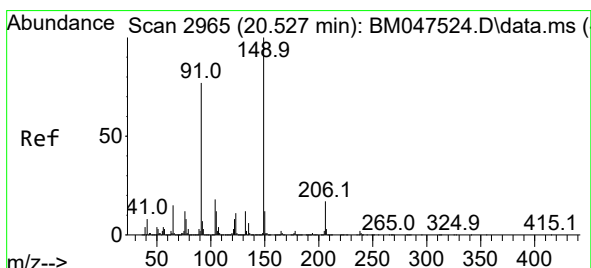
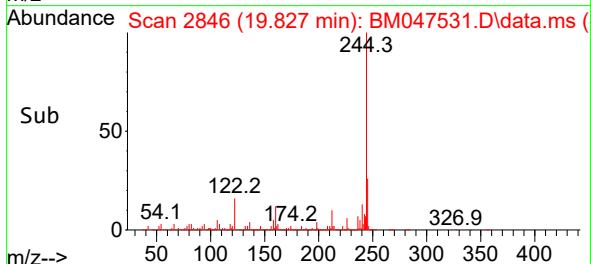
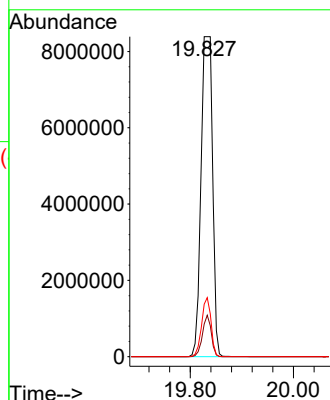
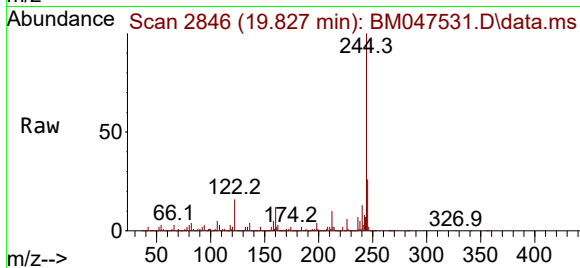
Tgt Ion:244 Resp:13042094

Ion Ratio Lower Upper

244 100

212 10.2 6.2 9.2#

122 16.4 9.6 14.4#



#80

Butylbenzylphthalate

Concen: 54.400 ng

RT: 20.521 min Scan# 2964

Delta R.T. -0.006 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

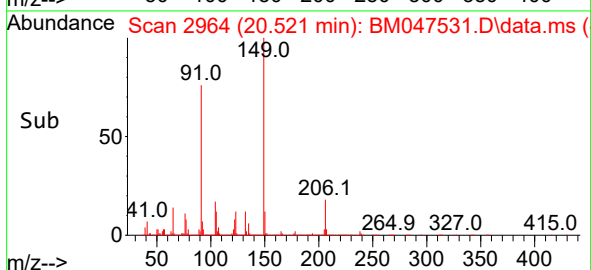
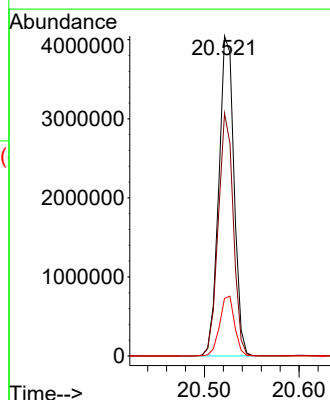
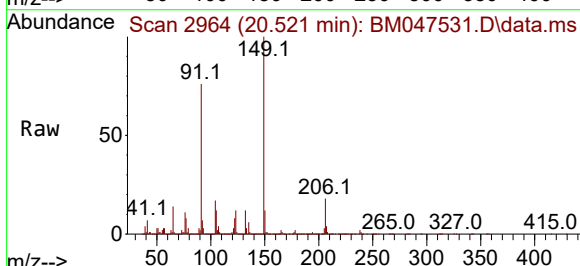
Tgt Ion:149 Resp: 4532923

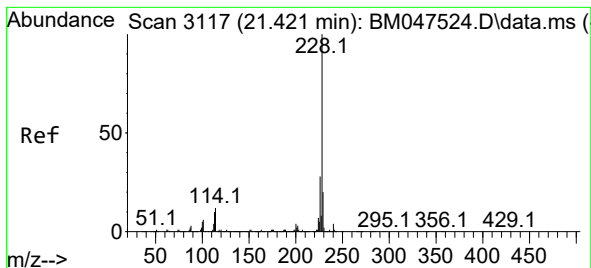
Ion Ratio Lower Upper

149 100

91 75.9 62.0 93.0

206 18.0 13.8 20.8





#81

Benzo(a)anthracene

Concen: 45.936 ng

RT: 21.427 min Scan# 3117

Delta R.T. 0.006 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

Instrument :

BNA_M

ClientSampleId :

PB163160BSD

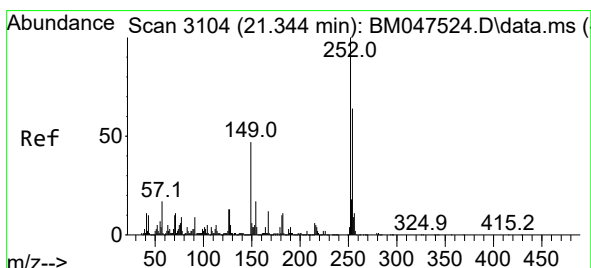
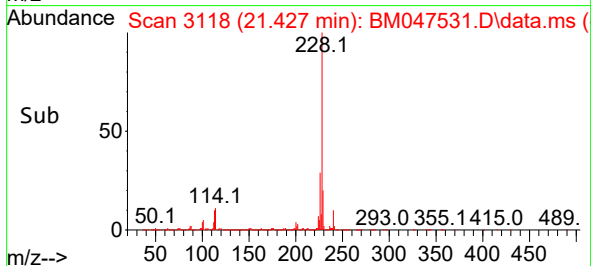
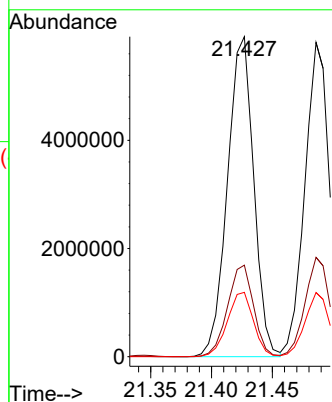
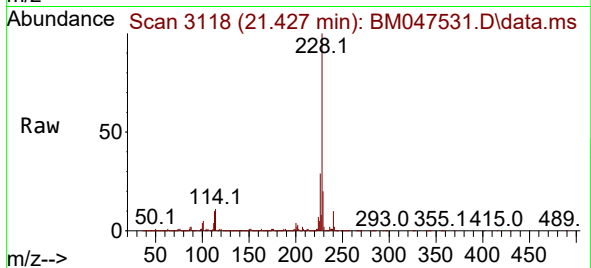
Tgt Ion:228 Resp: 8885057

Ion Ratio Lower Upper

228 100

226 28.6 22.4 33.6

229 20.1 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 41.360 ng

RT: 21.345 min Scan# 3104

Delta R.T. 0.000 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

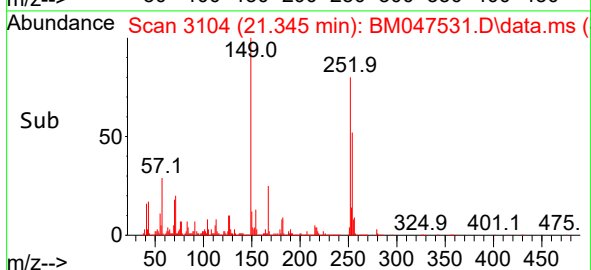
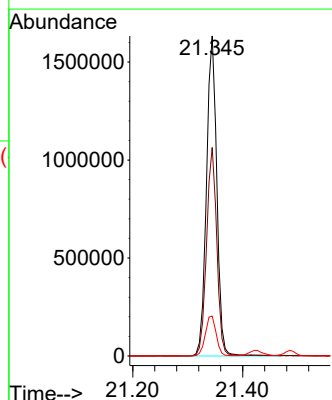
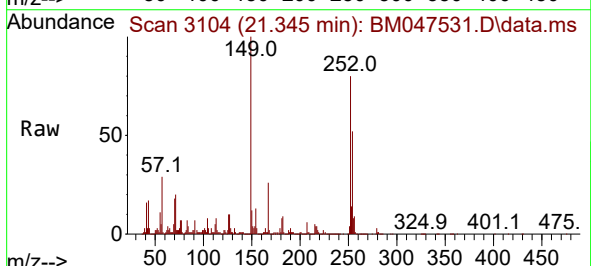
Tgt Ion:252 Resp: 2128086

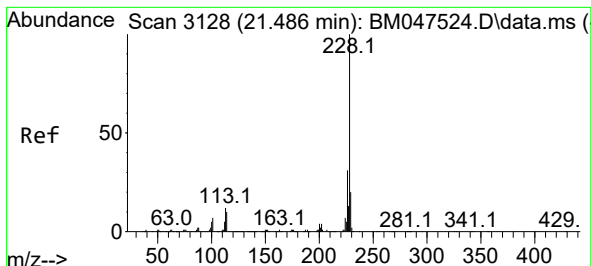
Ion Ratio Lower Upper

252 100

254 65.2 51.5 77.3

126 12.4 10.3 15.5





#83

Chrysene

Concen: 44.565 ng

RT: 21.486 min Scan# 3128

Delta R.T. 0.000 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

Instrument :

BNA_M

ClientSampleId :

PB163160BSD

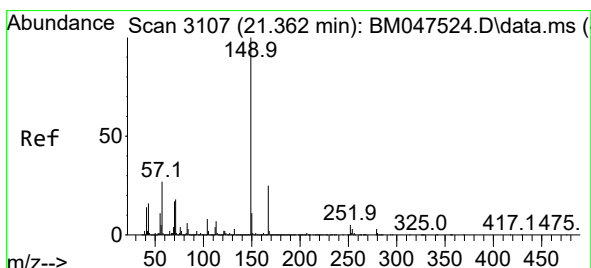
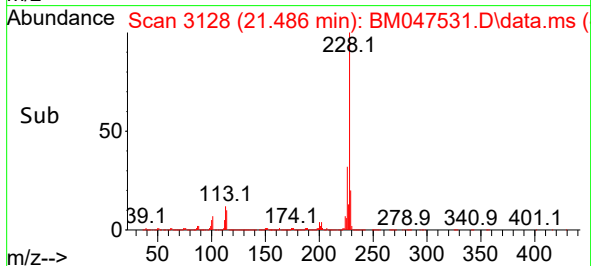
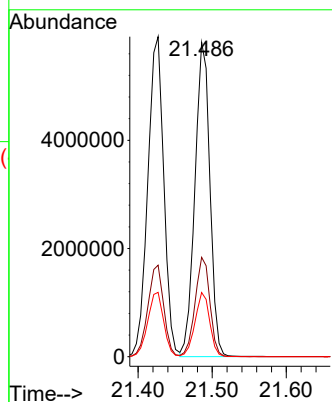
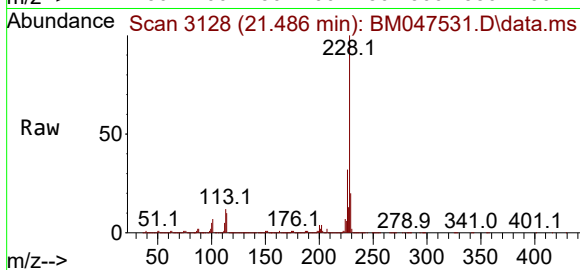
Tgt Ion:228 Resp: 8153284

Ion Ratio Lower Upper

228 100

226 31.6 25.0 37.6

229 20.4 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.365 ng

RT: 21.356 min Scan# 3106

Delta R.T. -0.006 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

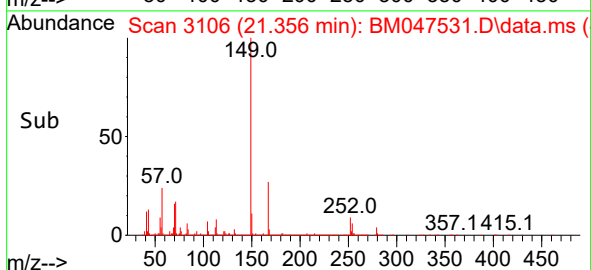
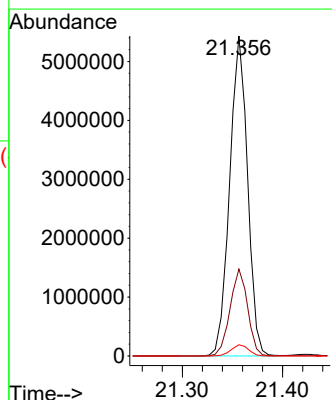
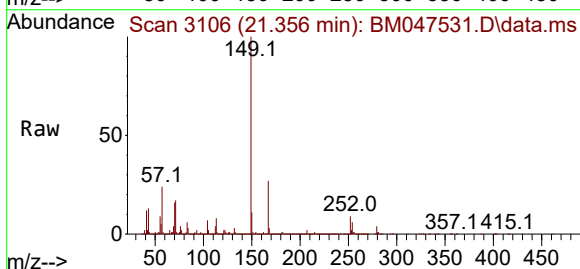
Tgt Ion:149 Resp: 6704801

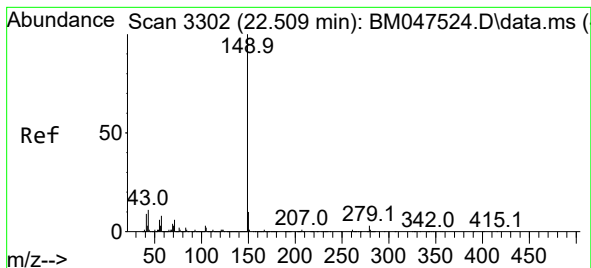
Ion Ratio Lower Upper

149 100

167 27.2 20.2 30.4

279 3.5 2.6 4.0





#85

Di-n-octyl phthalate

Concen: 50.965 ng

RT: 22.503 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

Instrument :

BNA_M

ClientSampleId :

PB163160BSD

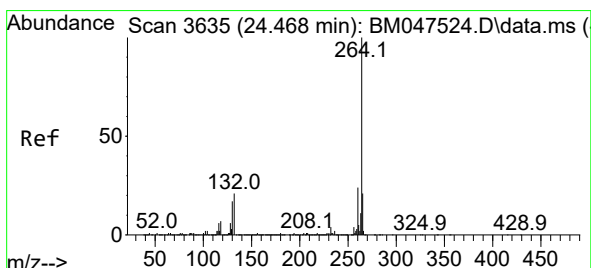
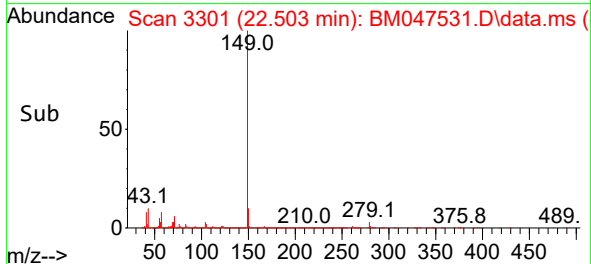
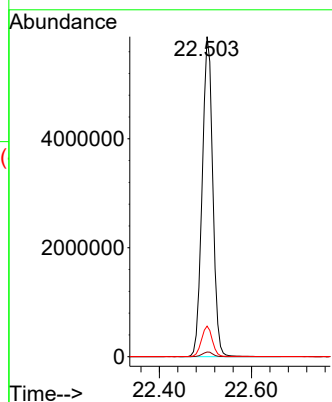
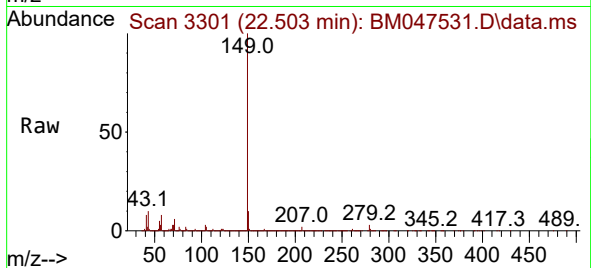
Tgt Ion:149 Resp: 9410144

Ion Ratio Lower Upper

149 100

167 1.4 1.1 1.7

43 9.7 8.9 13.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.468 min Scan# 3635

Delta R.T. 0.000 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

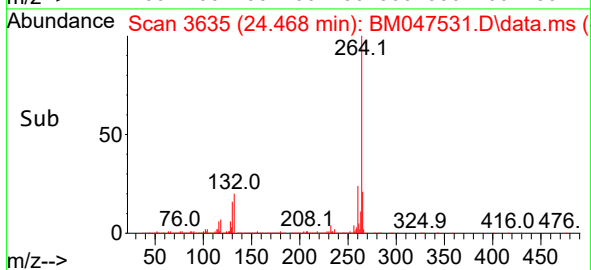
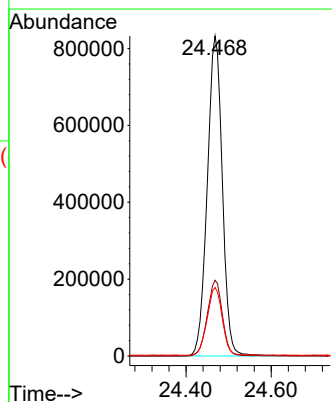
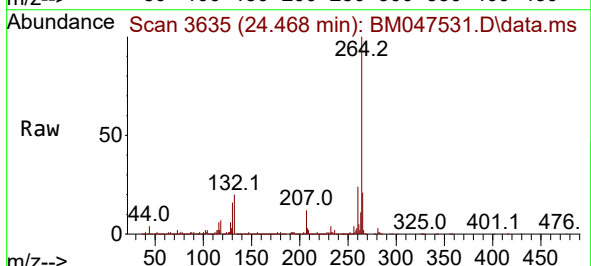
Tgt Ion:264 Resp: 2038940

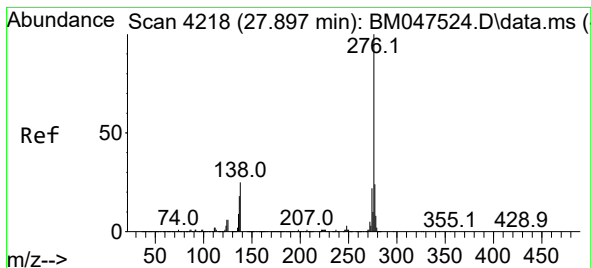
Ion Ratio Lower Upper

264 100

260 23.7 18.9 28.3

265 21.4 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 61.493 ng

RT: 27.909 min Scan# 41

Delta R.T. 0.012 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

Instrument :

BNA_M

ClientSampleId :

PB163160BSD

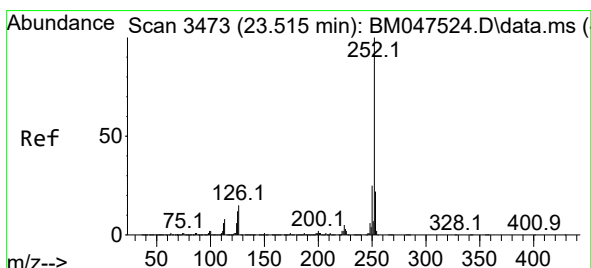
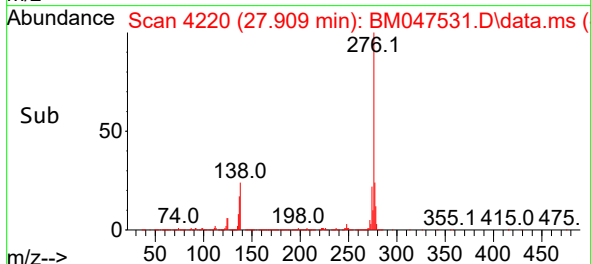
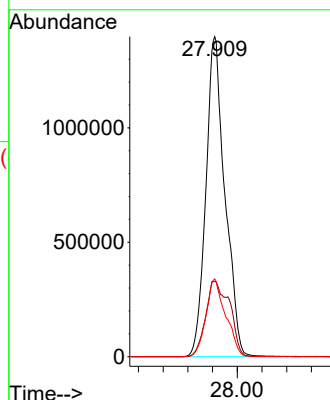
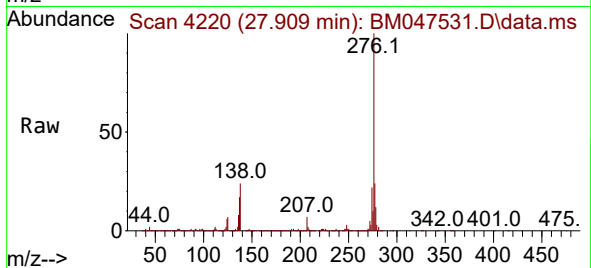
Tgt Ion:276 Resp: 7503388

Ion Ratio Lower Upper

276 100

138 29.7 25.0 37.6

277 25.1 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 52.369 ng

RT: 23.515 min Scan# 3473

Delta R.T. 0.000 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

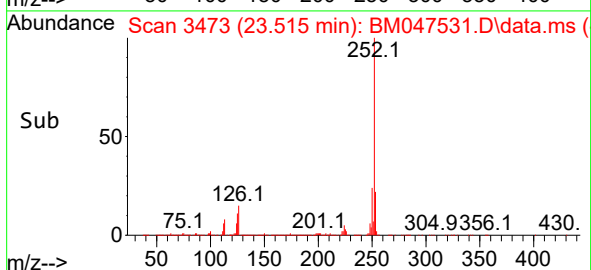
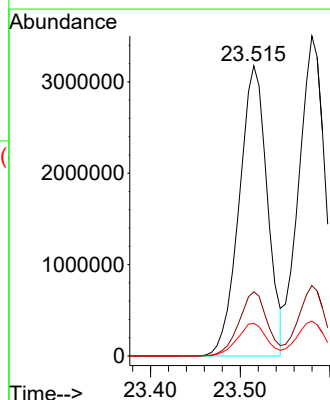
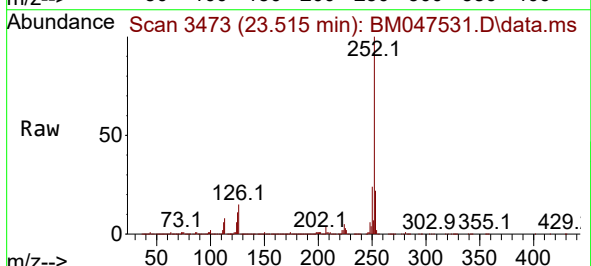
Tgt Ion:252 Resp: 6908659

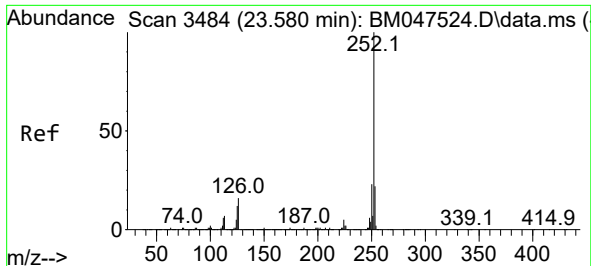
Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 11.3 9.5 14.3

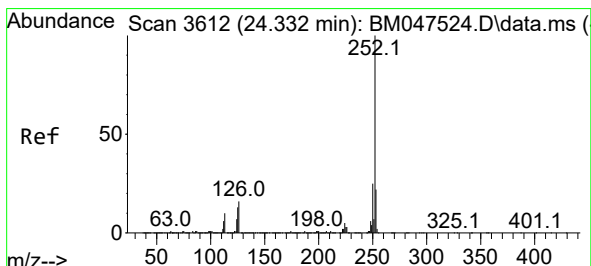
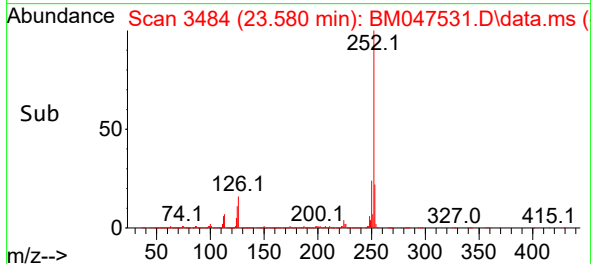
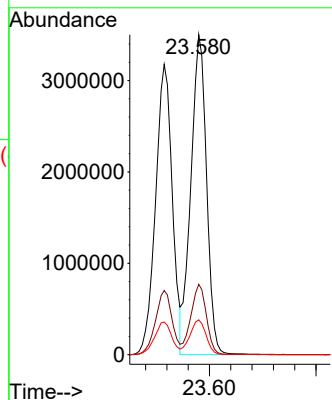
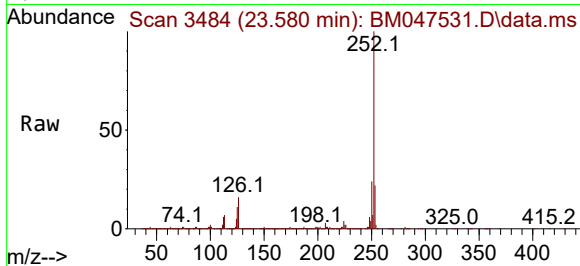




#89
Benzo(k)fluoranthene
Concen: 54.598 ng
RT: 23.580 min Scan# 3484
Delta R.T. 0.000 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

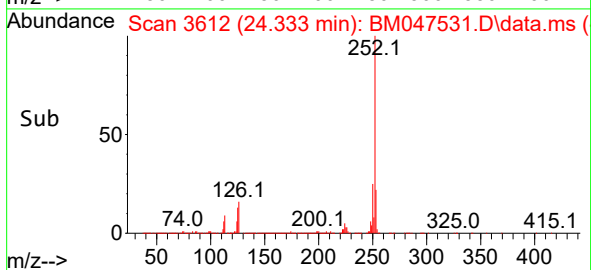
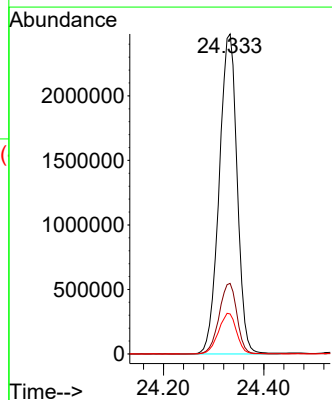
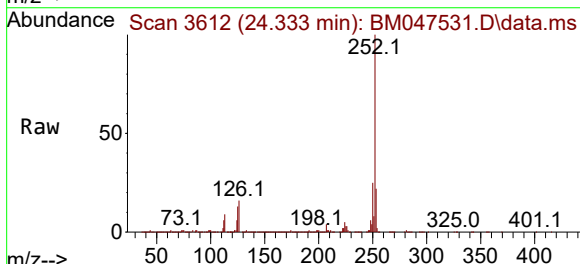
Instrument :
BNA_M
ClientSampleId :
PB163160BSD

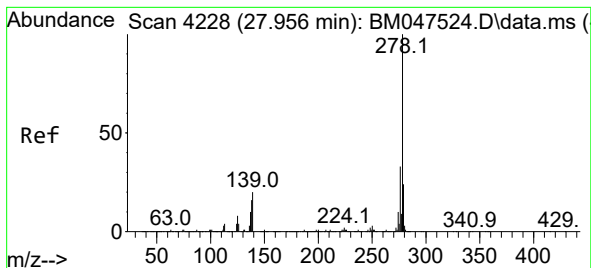
Tgt Ion:252 Resp: 7138421
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.6
125 10.9 9.5 14.3



#90
Benzo(a)pyrene
Concen: 56.845 ng
RT: 24.333 min Scan# 3612
Delta R.T. 0.000 min
Lab File: BM047531.D
Acq: 14 Sep 2024 19:51

Tgt Ion:252 Resp: 6146347
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 12.5 10.2 15.4





#91

Dibenzo(a,h)anthracene

Concen: 62.456 ng

RT: 27.968 min Scan# 41

Delta R.T. 0.012 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

Instrument :

BNA_M

ClientSampleId :

PB163160BSD

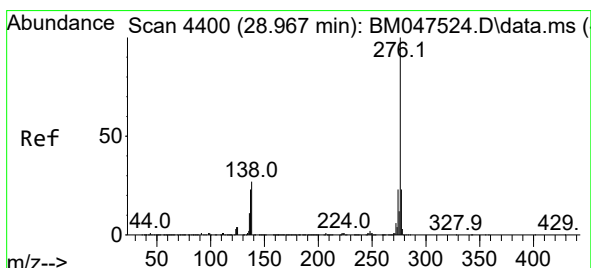
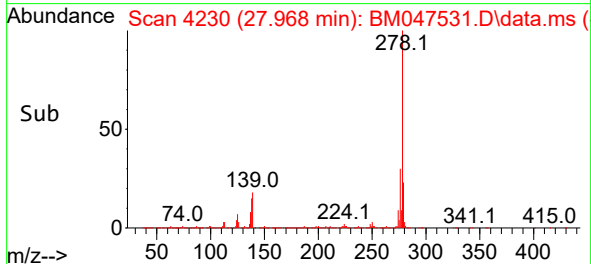
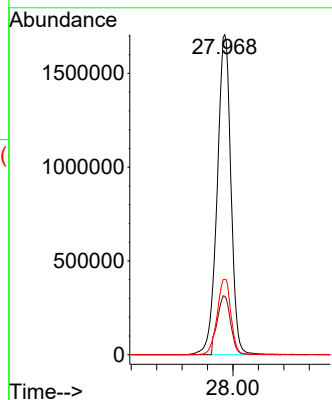
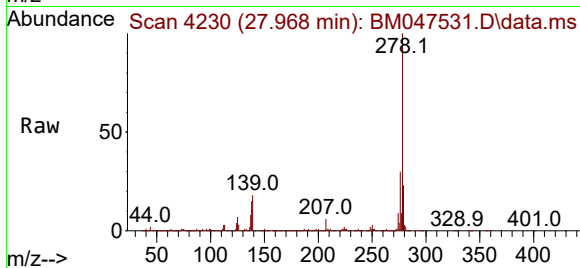
Tgt Ion:278 Resp: 6411736

Ion Ratio Lower Upper

278 100

139 18.3 15.9 23.9

279 23.5 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 58.584 ng

RT: 28.974 min Scan# 4401

Delta R.T. 0.006 min

Lab File: BM047531.D

Acq: 14 Sep 2024 19:51

Tgt Ion:276 Resp: 5874966

Ion Ratio Lower Upper

276 100

277 23.5 18.6 28.0

138 24.8 21.5 32.3

