

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012924\
 Data File : BF137188.D
 Acq On : 29 Jan 2024 12:40
 Operator : CG\JU
 Sample : P1178-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 29 13:08:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 02:14:33 2024
 Response via : Initial Calibration

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

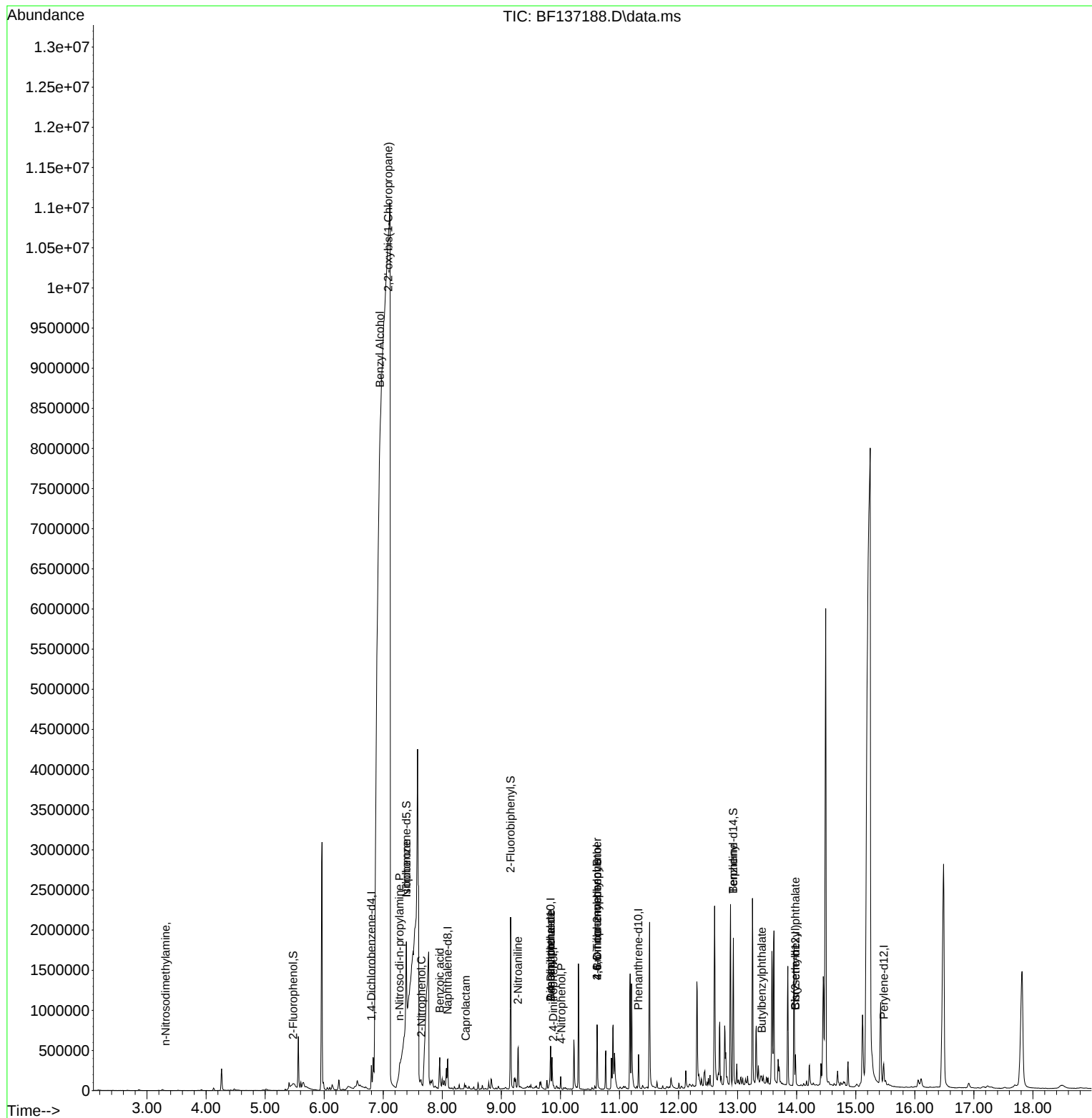
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	45367	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	176836	20.000	ng	0.01
39) Acenaphthene-d10	9.833	164	96238	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	157411	20.000	ng	-0.01
76) Chrysene-d12	13.980	240	116265	20.000	ng	0.00
86) Perylene-d12	15.474	264	118389	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	53174	20.363	ng	0.05
7) Phenol-d6	6.451	99	634	0.170	ng	0.02
23) Nitrobenzene-d5	7.392	82	357187	91.631	ng	0.02
42) 2,4,6-Tribromophenol	10.622	330	91599	85.191	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	660560	96.367	ng	0.00
79) Terphenyl-d14	12.927	244	610377	73.635	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.316	42	75	6.999	ng	# 1
15) Benzyl Alcohol	6.945	79	29426	10.397	ng	# 48
16) 2,2'-oxybis(1-Chloropr...	7.087	45	558581	102.750	ng	96
19) n-Nitroso-di-n-propyla...	7.275	70	23333	8.651	ng	# 89
25) Isophorone	7.392	82	357187	49.015	ng	# 69
26) 2-Nitrophenol	7.645	139	429	4.731	ng	# 71
32) Benzoic acid	7.957	122	16866	26.203	ng	95
35) Caprolactam	8.398	113	4545	5.641	ng	# 63
48) 2-Nitroaniline	9.280	65	5777	3.260	ng	# 22
50) Dimethylphthalate	9.833	163	17249	2.579	ng	# 1
54) 2,4-Dinitrophenol	9.880	184	65	10.881	ng	# 52
56) 4-Nitrophenol	10.016	139	61	8.107	ng	# 47
57) 2,4-Dinitrotoluene	9.833	165	12111	6.881	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.622	198	132	7.960	ng	# 1
67) 4-Bromophenyl-phenylether	10.622	248	5981	3.452	ng	# 1
77) Benzidine	12.927	184	8388	10.379	ng	97
80) Butylbenzylphthalate	13.410	149	530	2.852	ng	# 55
84) Bis(2-ethylhexyl)phtha...	13.980	149	7787	2.053	ng	# 95

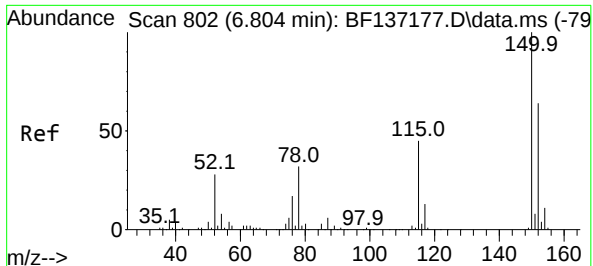
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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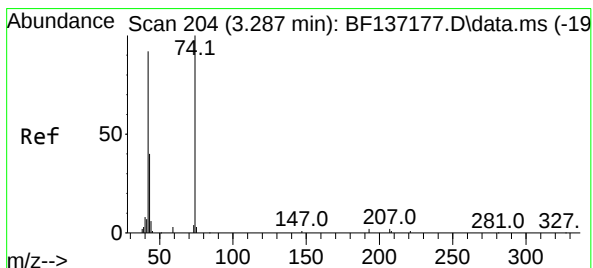
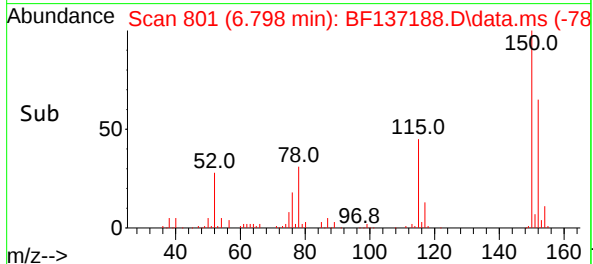
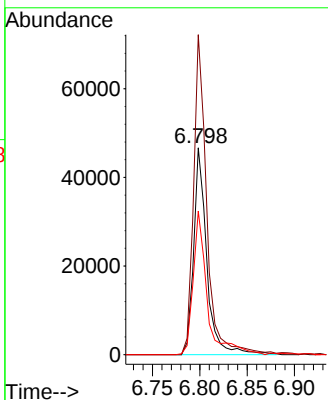
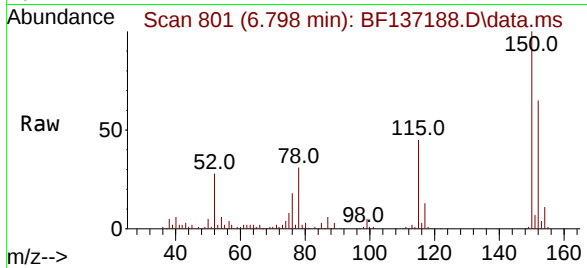




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 802
Delta R.T. -0.006 min
Lab File: BF137188.D
Acq: 29 Jan 2024 12:40

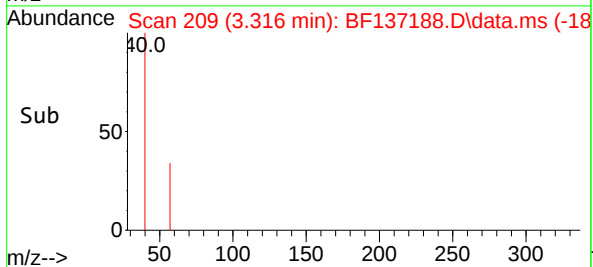
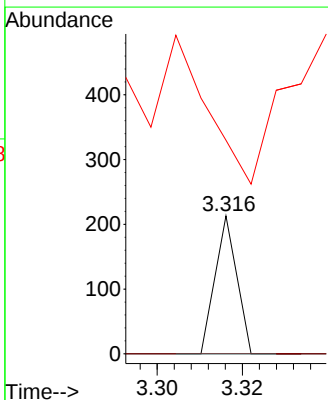
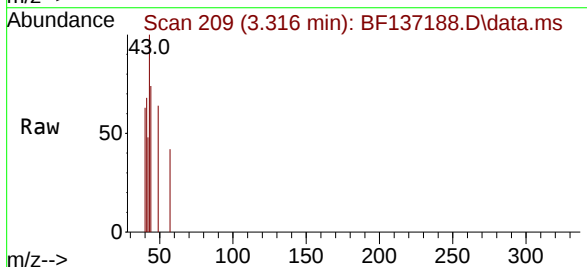
Instrument :
BNA_F
ClientSampleId :

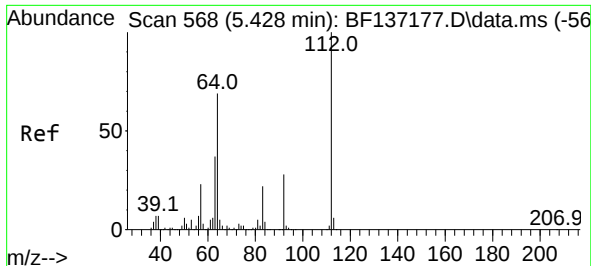
Tgt Ion:152 Resp: 45367
Ion Ratio Lower Upper
152 100
150 154.6 125.6 188.4
115 69.4 55.9 83.9



#4
n-Nitrosodimethylamine
Concen: 6.999 ng
RT: 3.316 min Scan# 209
Delta R.T. 0.029 min
Lab File: BF137188.D
Acq: 29 Jan 2024 12:40

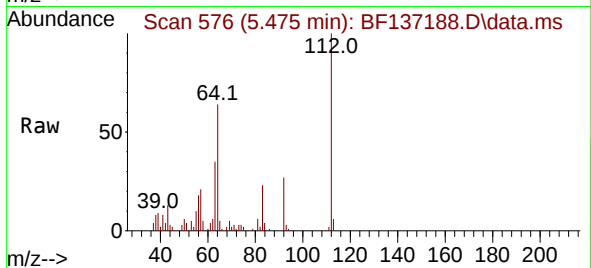
Tgt Ion: 42 Resp: 75
Ion Ratio Lower Upper
42 100
74 0.0 86.6 129.8#
44 154.9 5.7 8.5#



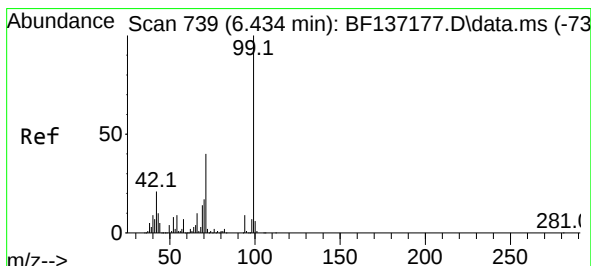
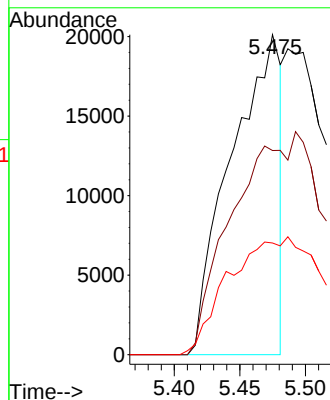
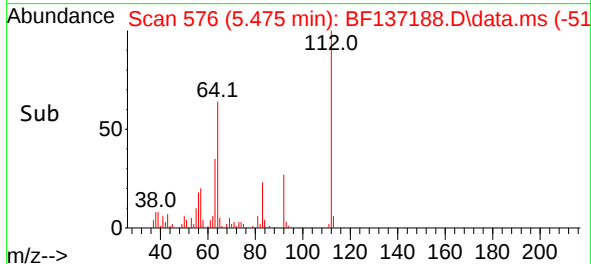


#5
2-Fluorophenol
Concen: 20.363 ng
RT: 5.475 min Scan# 51
Delta R.T. 0.047 min
Lab File: BF137188.D
Acq: 29 Jan 2024 12:40

Instrument :
BNA_F
ClientSampleId :

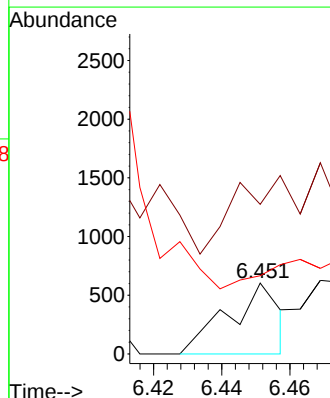
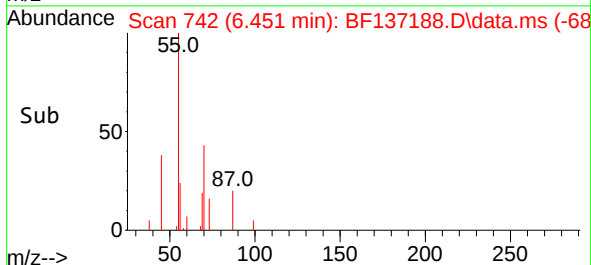
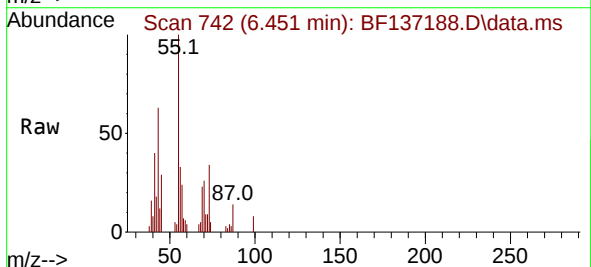


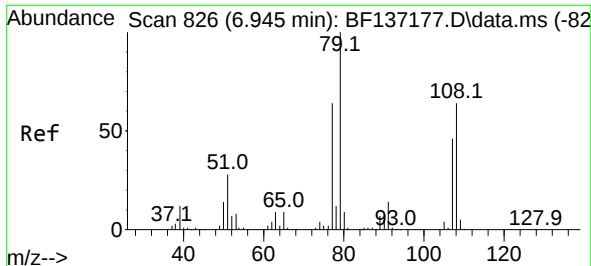
Tgt Ion:112 Resp: 53174
Ion Ratio Lower Upper
112 100
64 63.8 55.5 83.3
63 34.9 29.8 44.8



#7
Phenol-d6
Concen: 0.170 ng
RT: 6.451 min Scan# 742
Delta R.T. 0.018 min
Lab File: BF137188.D
Acq: 29 Jan 2024 12:40

Tgt Ion: 99 Resp: 634
Ion Ratio Lower Upper
99 100
42 210.9 16.6 25.0#
71 110.3 31.8 47.6#

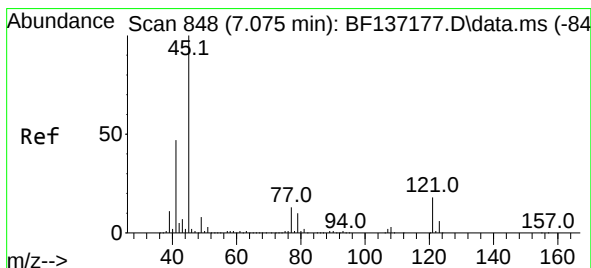
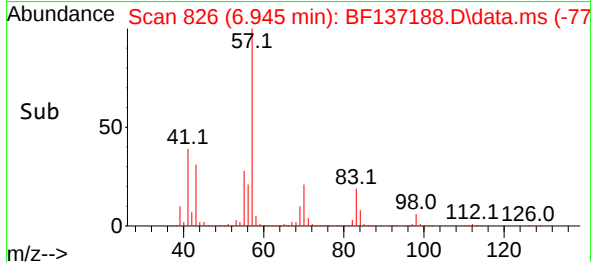
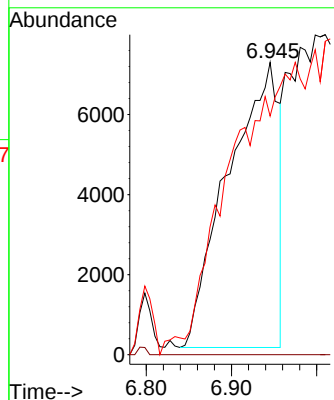
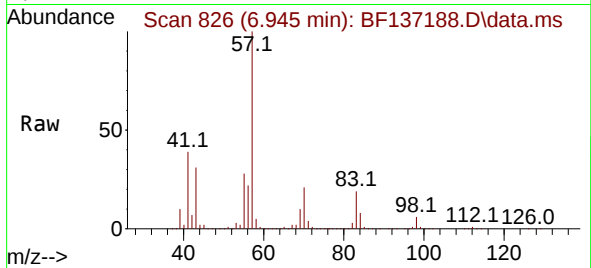




#15
Benzyl Alcohol
Concen: 10.397 ng
RT: 6.945 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF137188.D
Acq: 29 Jan 2024 12:40

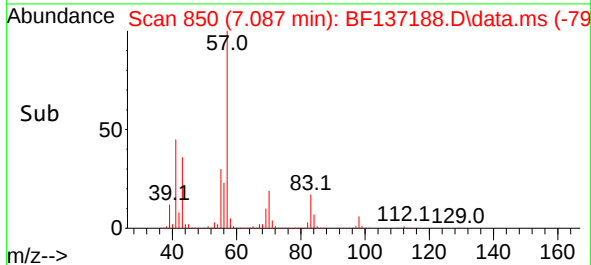
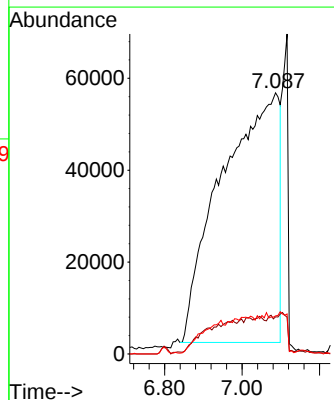
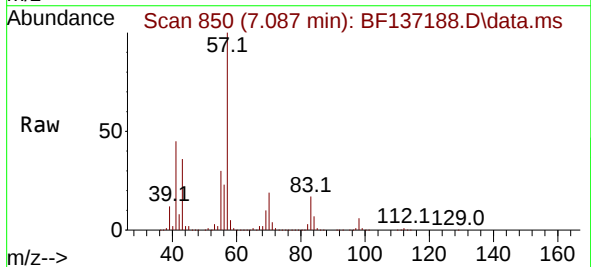
Instrument :
BNA_F
ClientSampleId :

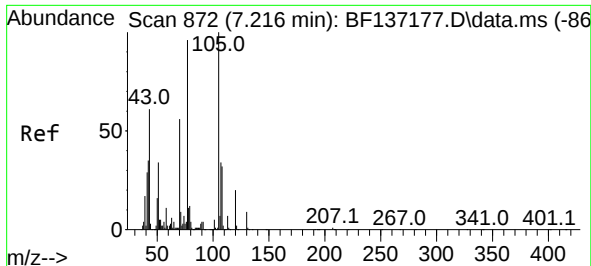
Tgt Ion: 79 Resp: 29426
Ion Ratio Lower Upper
79 100
108 0.0 51.1 76.7#
77 81.6 51.2 76.8#



#16
2,2'-oxybis(1-chloropropane)
Concen: 102.750 ng
RT: 7.087 min Scan# 850
Delta R.T. 0.012 min
Lab File: BF137188.D
Acq: 29 Jan 2024 12:40

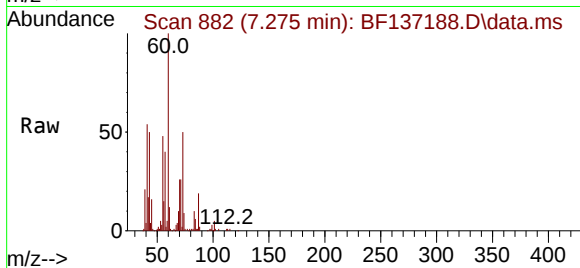
Tgt Ion: 45 Resp: 558581
Ion Ratio Lower Upper
45 100
77 14.2 0.0 34.3
79 14.6 0.0 30.8



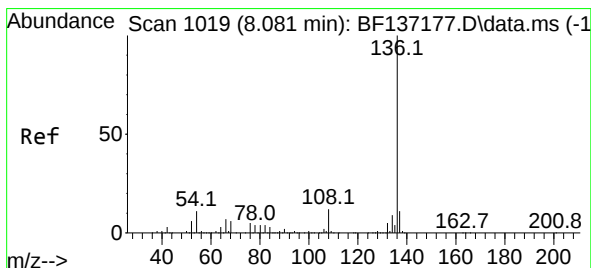
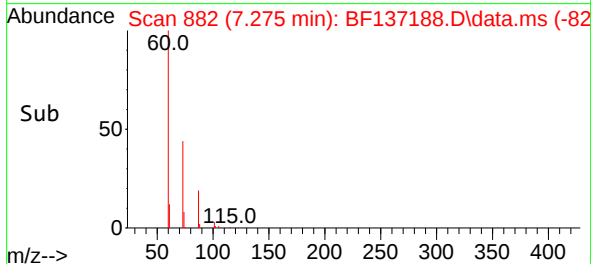
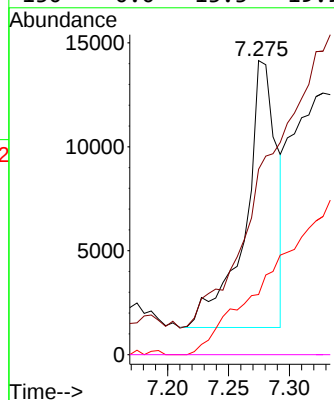


#19
n-Nitroso-di-n-propylamine
Concen: 8.651 ng
RT: 7.275 min Scan# 81
Delta R.T. 0.059 min
Lab File: BF137188.D
Acq: 29 Jan 2024 12:40

Instrument :
BNA_F
ClientSampleId :

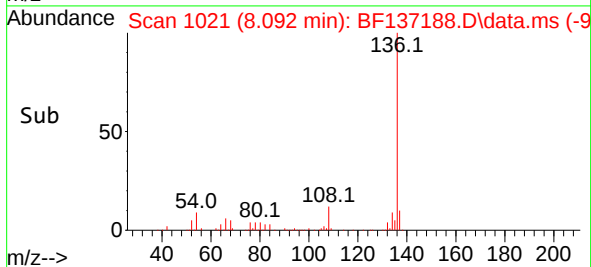
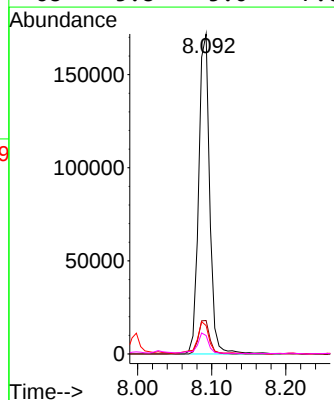
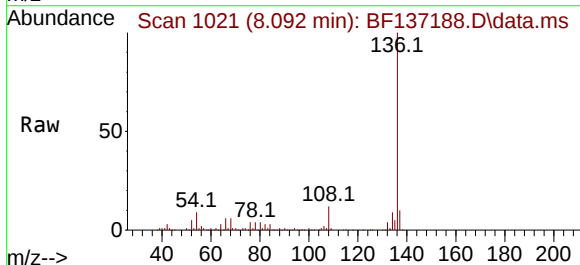


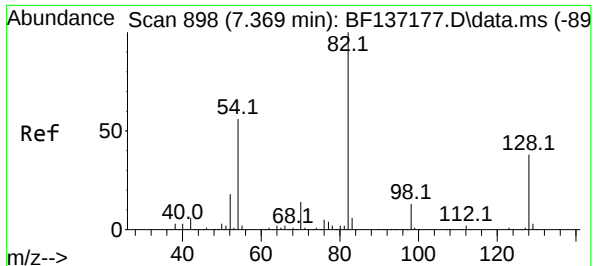
Tgt Ion: 70 Resp: 23333
Ion Ratio Lower Upper
70 100
42 63.0 50.6 75.8
101 20.5 7.1 10.7#
130 0.0 13.3 19.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1021
Delta R.T. 0.012 min
Lab File: BF137188.D
Acq: 29 Jan 2024 12:40

Tgt Ion: 136 Resp: 176836
Ion Ratio Lower Upper
136 100
137 10.5 8.7 13.1
54 8.9 8.7 13.1
68 5.8 5.0 7.6





#23

Nitrobenzene-d5

Concen: 91.631 ng

RT: 7.392 min Scan# 902

Delta R.T. 0.024 min

Lab File: BF137188.D

Acq: 29 Jan 2024 12:40

Instrument :

BNA_F

ClientSampleId :

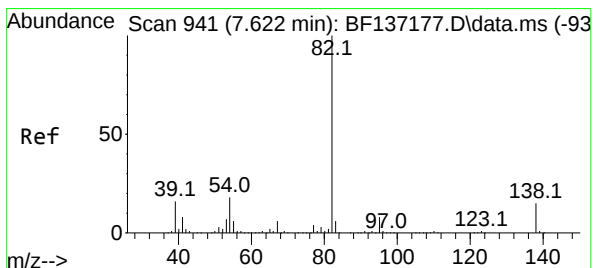
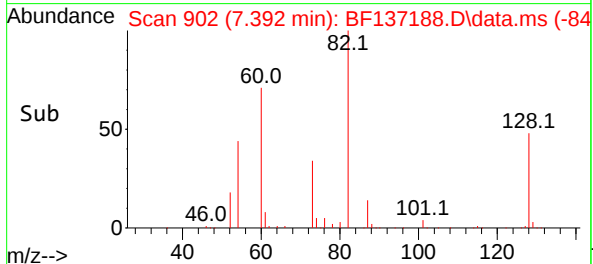
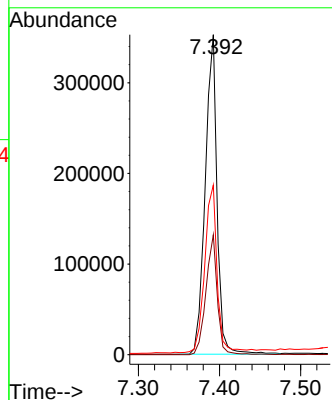
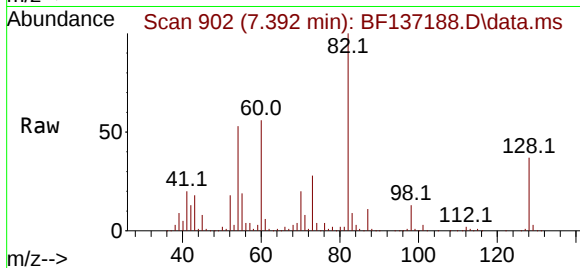
Tgt Ion: 82 Resp: 357187

Ion Ratio Lower Upper

82 100

128 37.5 30.3 45.5

54 53.0 44.9 67.3



#25

Isophorone

Concen: 49.015 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.229 min

Lab File: BF137188.D

Acq: 29 Jan 2024 12:40

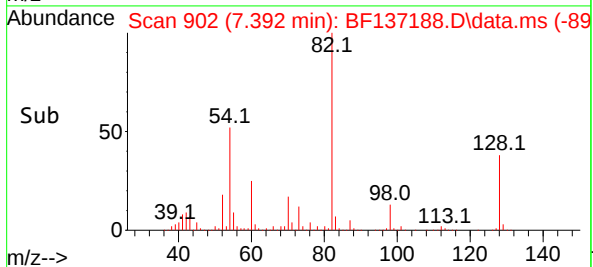
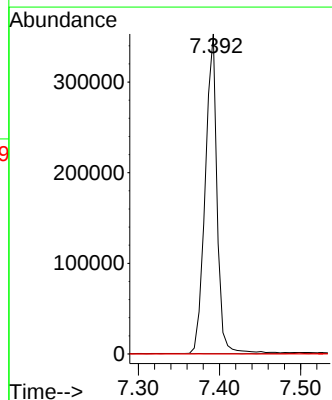
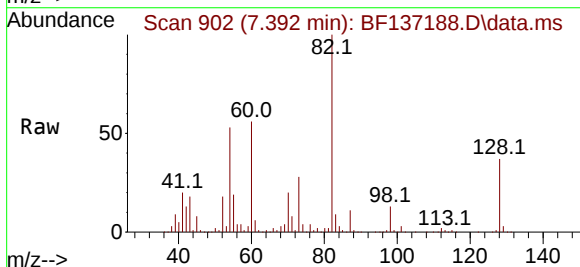
Tgt Ion: 82 Resp: 357187

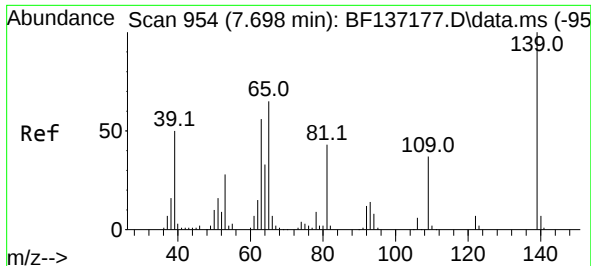
Ion Ratio Lower Upper

82 100

95 0.1 6.2 9.2#

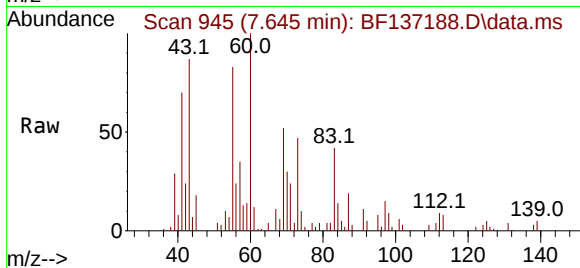
138 0.0 11.6 17.4#



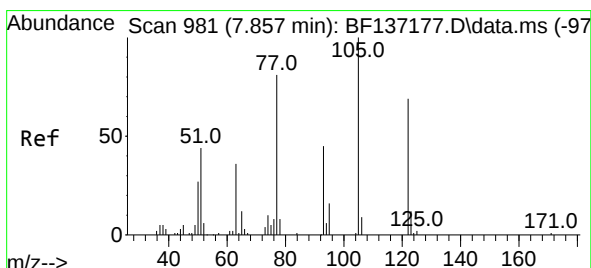
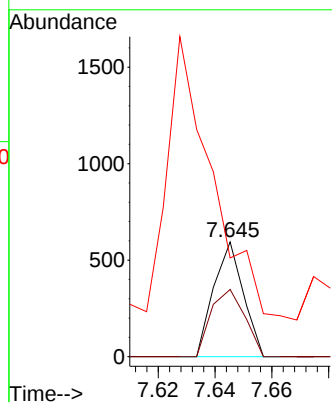
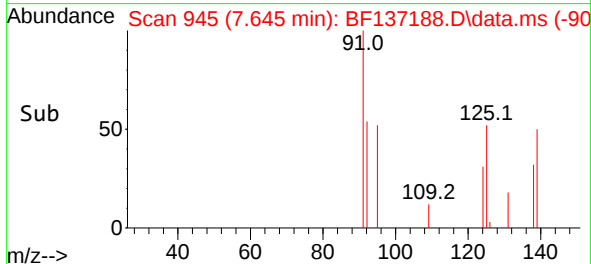


#26
2-Nitrophenol
Concen: 4.731 ng
RT: 7.645 min Scan# 945
Delta R.T. -0.053 min
Lab File: BF137188.D
Acq: 29 Jan 2024 12:40

Instrument :
BNA_F
ClientSampleId :

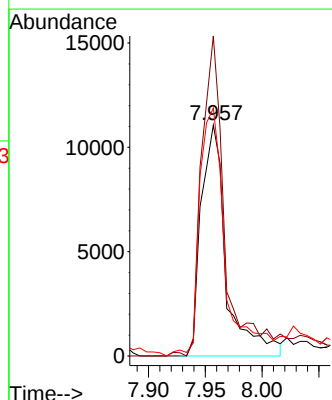
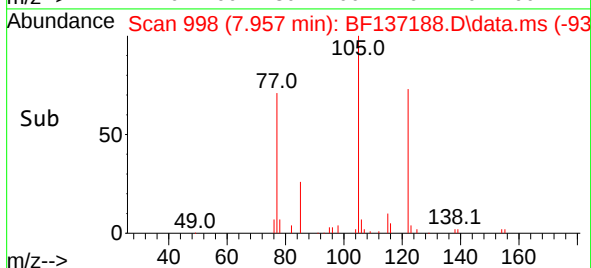
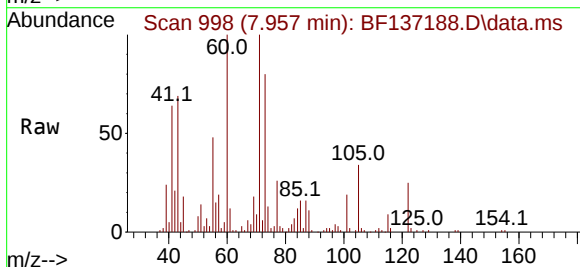


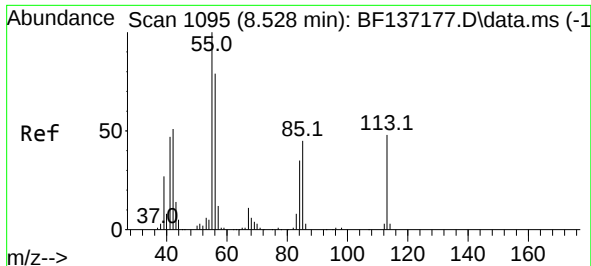
Tgt Ion:139 Resp: 429
Ion Ratio Lower Upper
139 100
109 58.6 29.9 44.9#
65 86.0 52.4 78.6#



#32
Benzoic acid
Concen: 26.203 ng
RT: 7.957 min Scan# 998
Delta R.T. 0.100 min
Lab File: BF137188.D
Acq: 29 Jan 2024 12:40

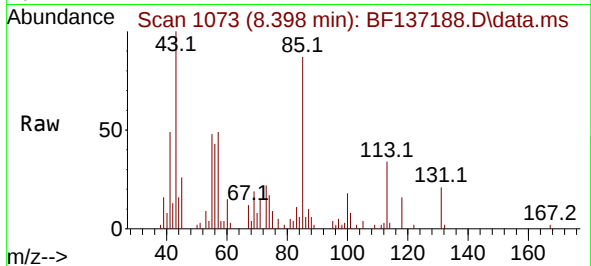
Tgt Ion:122 Resp: 16866
Ion Ratio Lower Upper
122 100
105 138.6 112.6 152.6
77 107.4 92.3 132.3



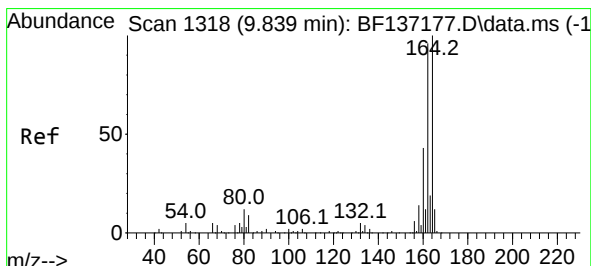
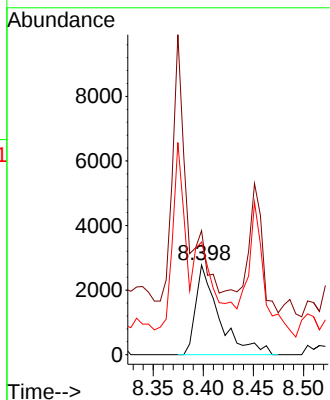
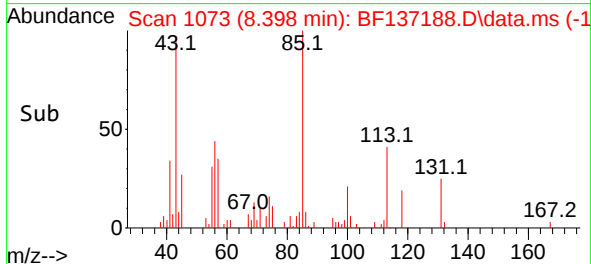


#35
 Caprolactam
 Concen: 5.641 ng
 RT: 8.398 min Scan# 1095
 Delta R.T. -0.129 min
 Lab File: BF137188.D
 Acq: 29 Jan 2024 12:40

Instrument :
 BNA_F
 ClientSampleId :

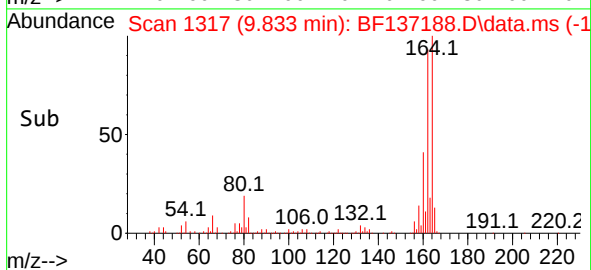
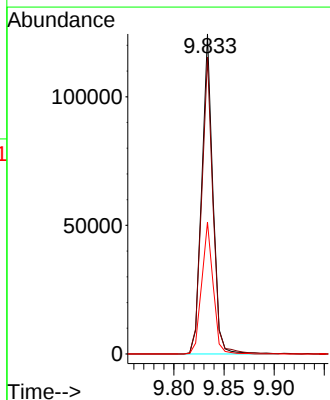
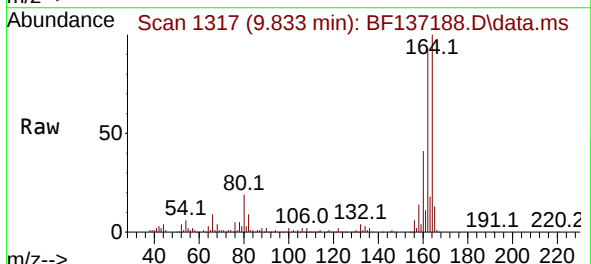


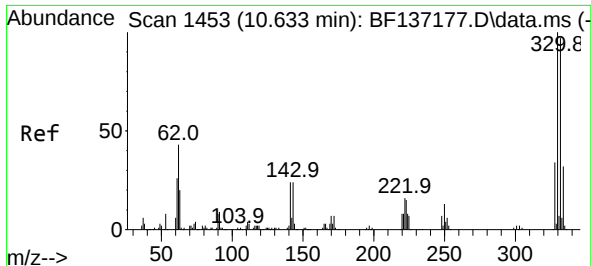
Tgt Ion:113 Resp: 4545
 Ion Ratio Lower Upper
 113 100
 55 138.3 186.6 226.6#
 56 125.7 142.9 182.9#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.833 min Scan# 1317
 Delta R.T. -0.006 min
 Lab File: BF137188.D
 Acq: 29 Jan 2024 12:40

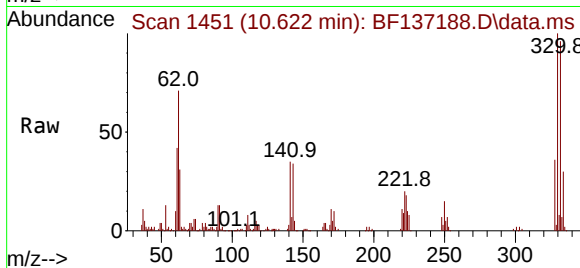
Tgt Ion:164 Resp: 96238
 Ion Ratio Lower Upper
 164 100
 162 92.8 77.0 115.4
 160 41.2 34.2 51.2



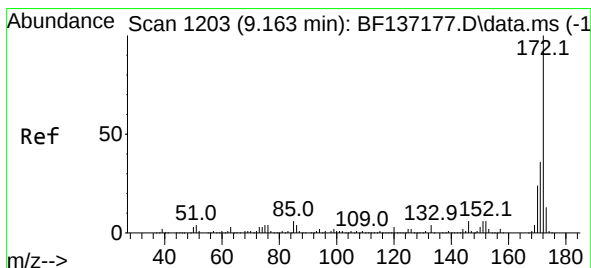
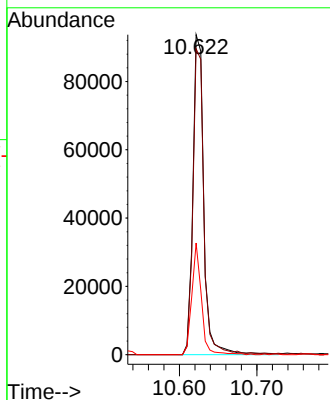
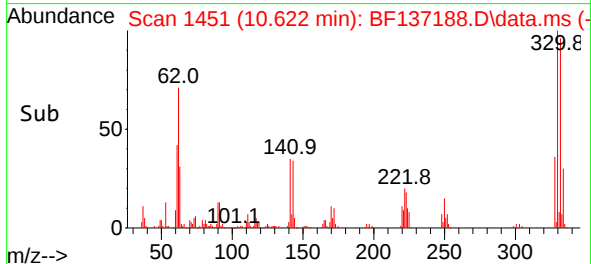


#42
2,4,6-Tribromophenol
Concen: 85.191 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF137188.D
Acq: 29 Jan 2024 12:40

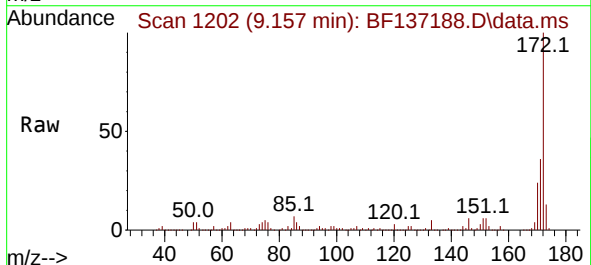
Instrument :
BNA_F
ClientSampleId :



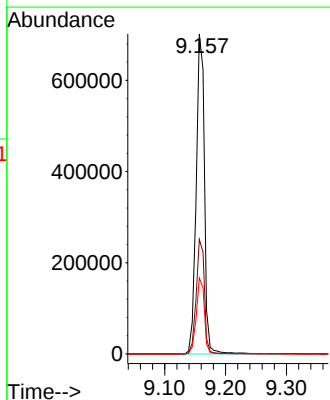
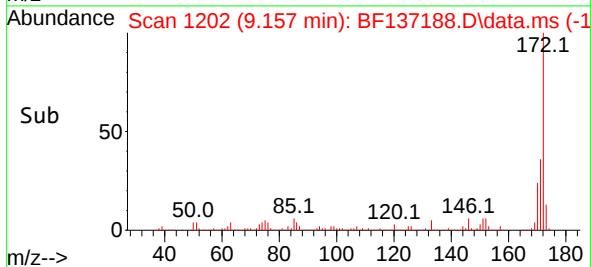
Tgt Ion:330 Resp: 91599
Ion Ratio Lower Upper
330 100
332 95.0 77.0 115.4
141 30.6 23.7 35.5

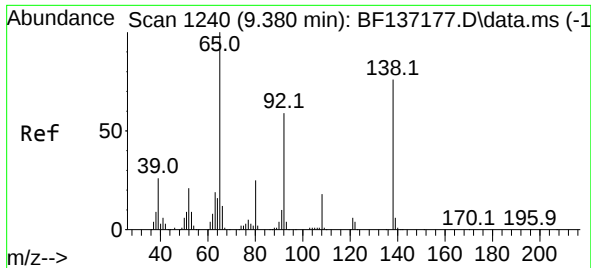


#45
2-Fluorobiphenyl
Concen: 96.367 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF137188.D
Acq: 29 Jan 2024 12:40



Tgt Ion:172 Resp: 660560
Ion Ratio Lower Upper
172 100
171 35.8 28.7 43.1
170 23.8 19.2 28.8





#48

2-Nitroaniline

Concen: 3.260 ng

RT: 9.280 min Scan# 11

Delta R.T. -0.100 min

Lab File: BF137188.D

Acq: 29 Jan 2024 12:40

Instrument :

BNA_F

ClientSampleId :

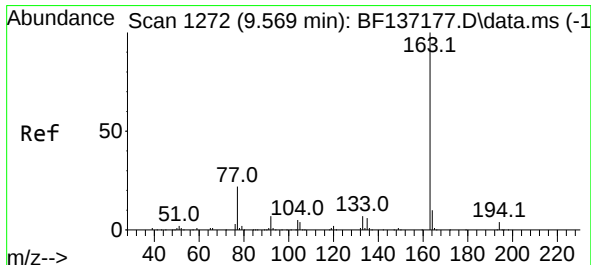
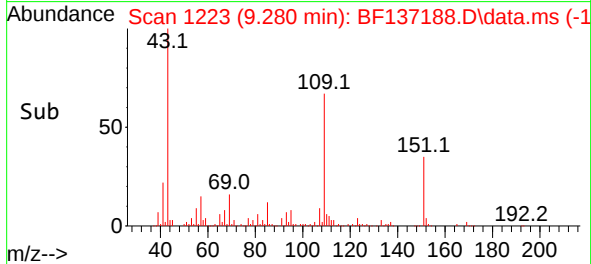
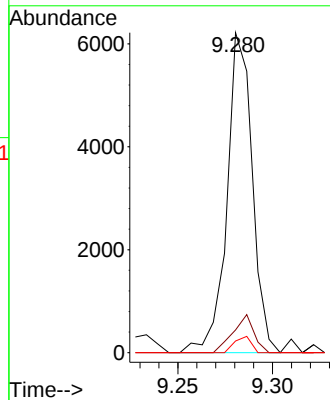
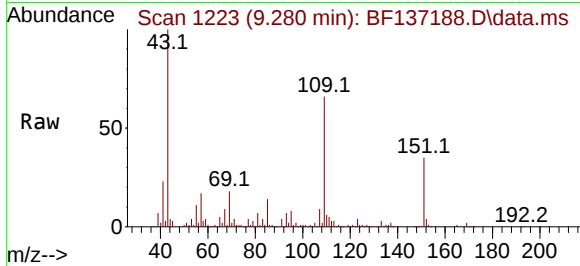
Tgt Ion: 65 Resp: 5777

Ion Ratio Lower Upper

65 100

92 7.1 47.6 71.4#

138 3.7 61.0 91.4#



#50

Dimethylphthalate

Concen: 2.579 ng

RT: 9.833 min Scan# 1317

Delta R.T. 0.265 min

Lab File: BF137188.D

Acq: 29 Jan 2024 12:40

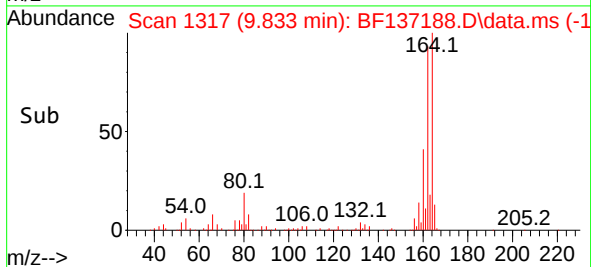
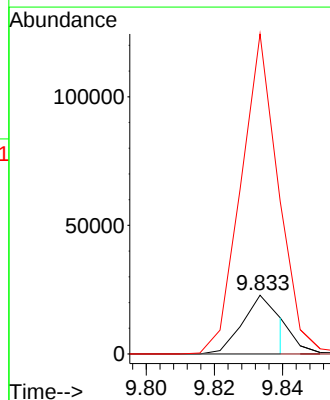
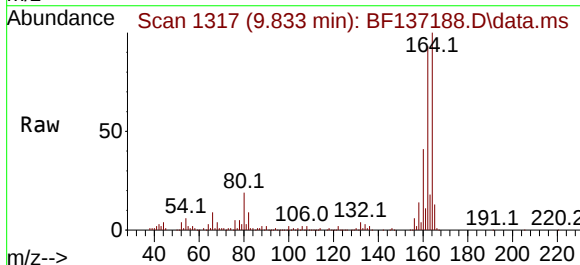
Tgt Ion:163 Resp: 17249

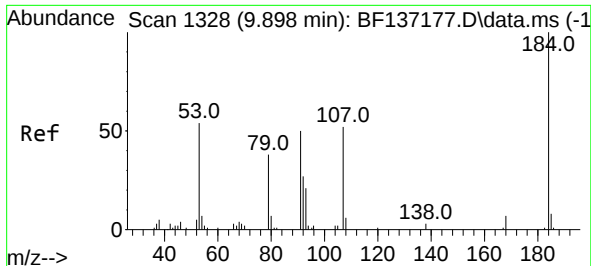
Ion Ratio Lower Upper

163 100

194 0.0 3.4 5.0#

164 544.6 8.3 12.5#





#54

2,4-Dinitrophenol

Concen: 10.881 ng

RT: 9.880 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF137188.D

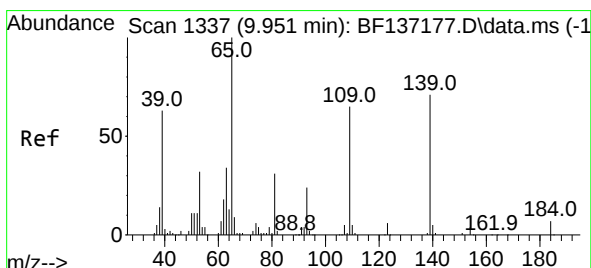
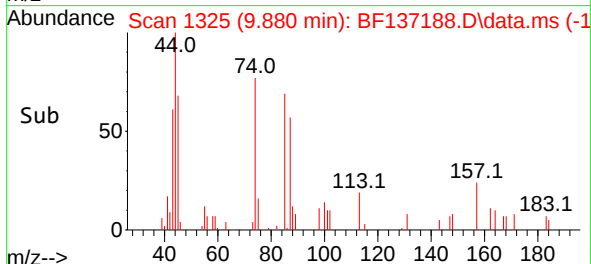
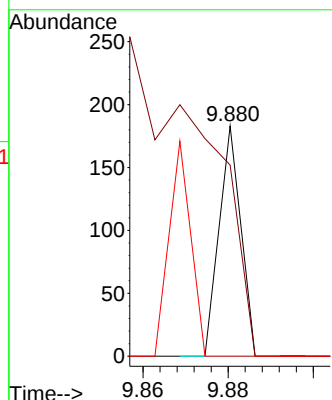
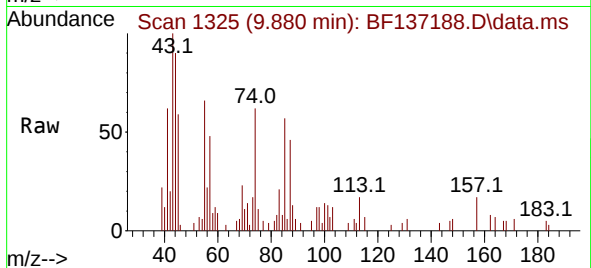
Acq: 29 Jan 2024 12:40

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:184	Resp:	65
Ion	Ratio	Lower Upper
184	100	
63	83.1	63.2 94.8
154	0.0	63.6 95.4#



#56

4-Nitrophenol

Concen: 8.107 ng

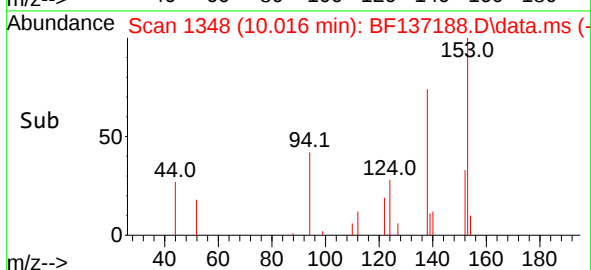
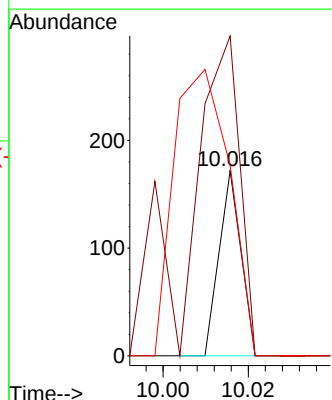
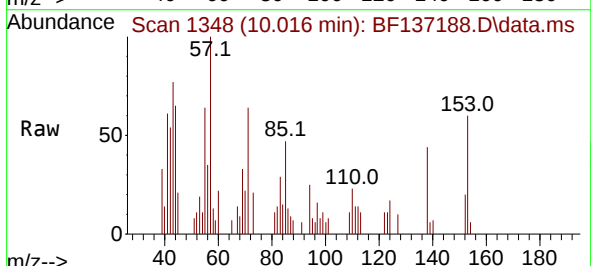
RT: 10.016 min Scan# 1348

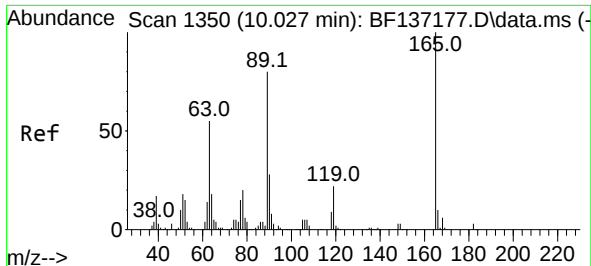
Delta R.T. 0.065 min

Lab File: BF137188.D

Acq: 29 Jan 2024 12:40

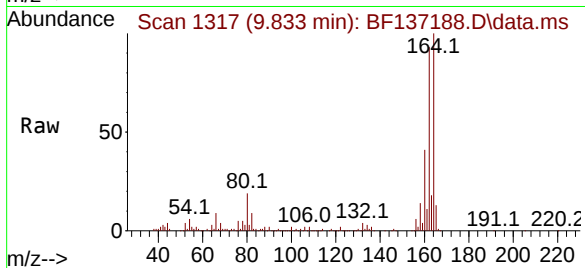
Tgt Ion:139	Resp:	61
Ion	Ratio	Lower Upper
139	100	
109	172.7	72.6 112.6#
65	102.9	124.2 164.2#



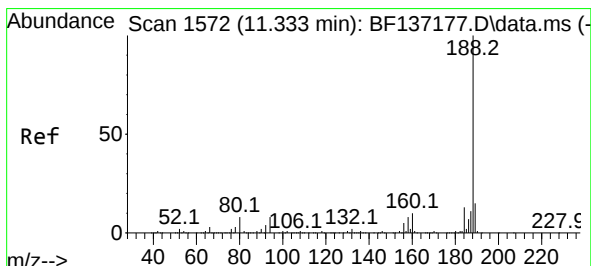
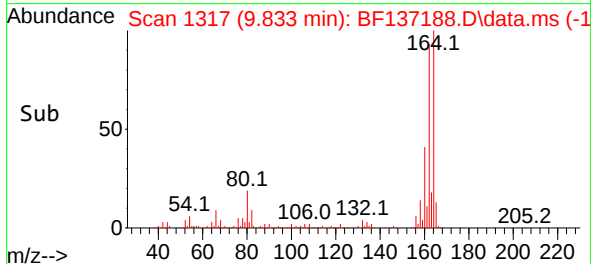
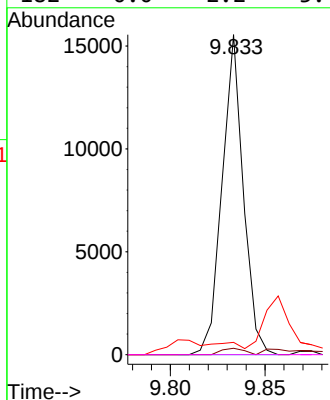


#57
2,4-Dinitrotoluene
Concen: 6.881 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF137188.D
Acq: 29 Jan 2024 12:40

Instrument :
BNA_F
ClientSampleId :

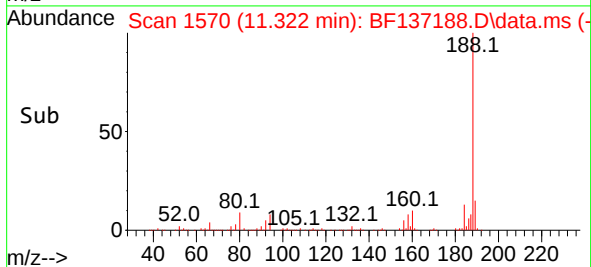
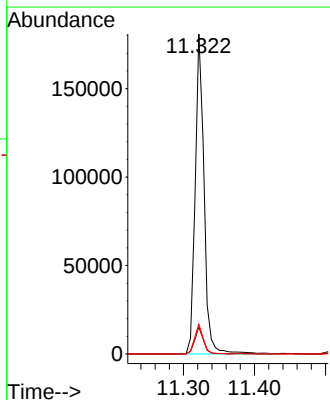
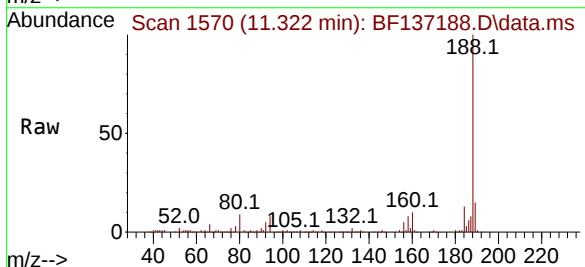


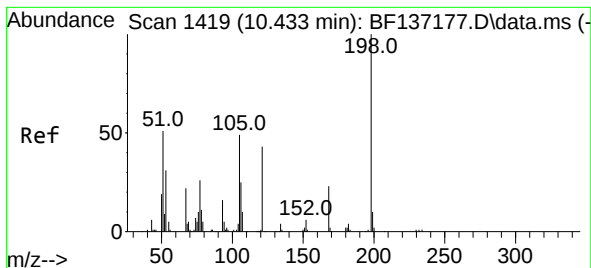
Tgt Ion:165 Resp: 12111
Ion Ratio Lower Upper
165 100
63 2.0 45.0 67.6#
89 3.8 64.2 96.2#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF137188.D
Acq: 29 Jan 2024 12:40

Tgt Ion:188 Resp: 157411
Ion Ratio Lower Upper
188 100
94 8.3 6.0 9.0
80 9.4 6.7 10.1

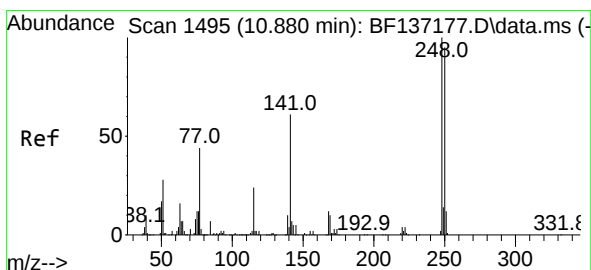
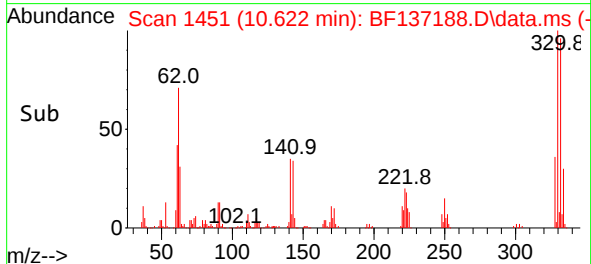
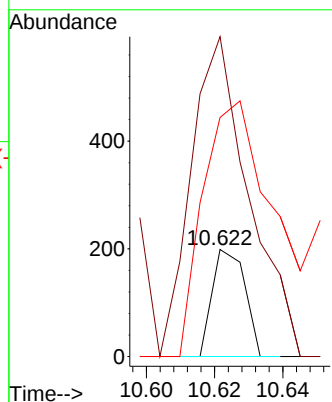
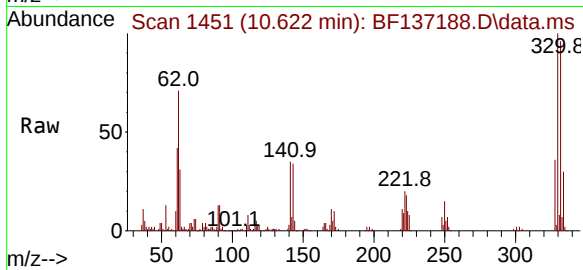




#65
4,6-Dinitro-2-methylphenol
Concen: 7.960 ng
RT: 10.622 min Scan# 1419
Delta R.T. 0.189 min
Lab File: BF137188.D
Acq: 29 Jan 2024 12:40

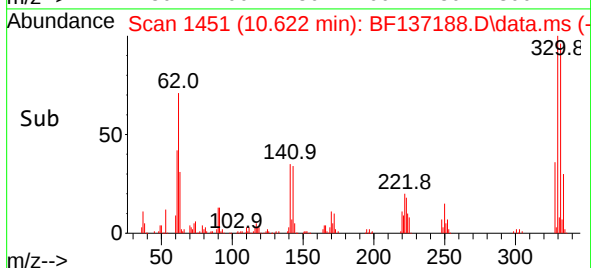
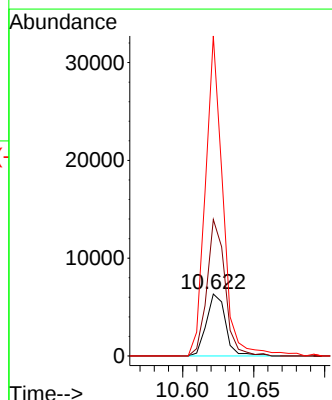
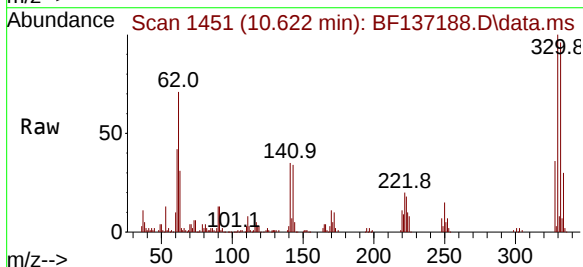
Instrument :
BNA_F
ClientSampleId :

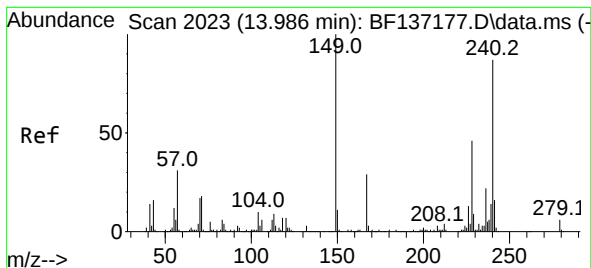
Tgt Ion:198 Resp: 132
Ion Ratio Lower Upper
198 100
51 298.5 41.6 81.6#
105 223.1 30.7 70.7#



#67
4-Bromophenyl-phenylether
Concen: 3.452 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.259 min
Lab File: BF137188.D
Acq: 29 Jan 2024 12:40

Tgt Ion:248 Resp: 5981
Ion Ratio Lower Upper
248 100
250 220.1 76.2 114.2#
141 516.3 48.8 73.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF137188.D

Acq: 29 Jan 2024 12:40

Instrument :

BNA_F

ClientSampleId :

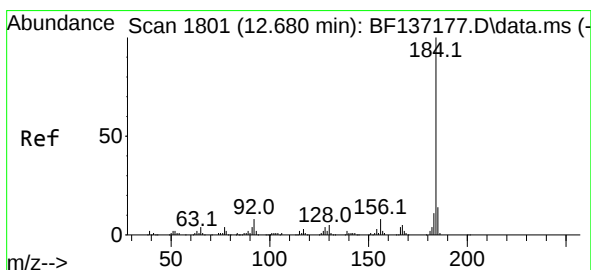
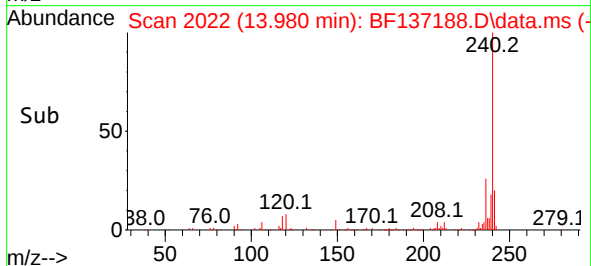
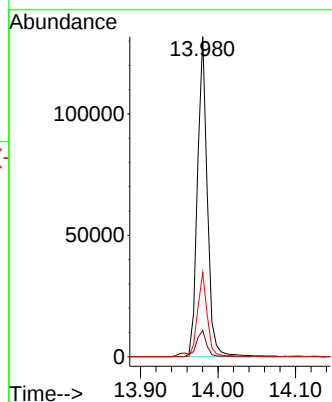
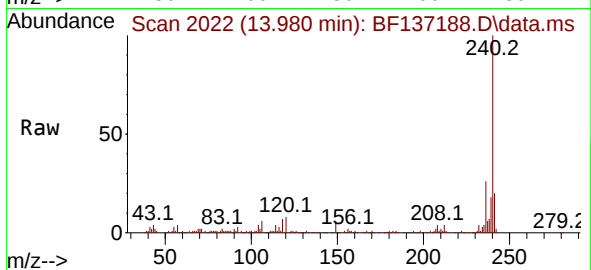
Tgt Ion:240 Resp: 116265

Ion Ratio Lower Upper

240 100

120 8.2 6.7 10.1

236 26.3 20.4 30.6



#77

Benzidine

Concen: 10.379 ng

RT: 12.927 min Scan# 1843

Delta R.T. 0.247 min

Lab File: BF137188.D

Acq: 29 Jan 2024 12:40

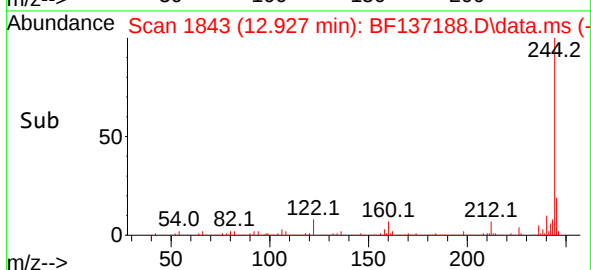
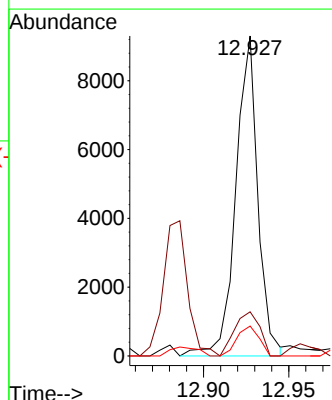
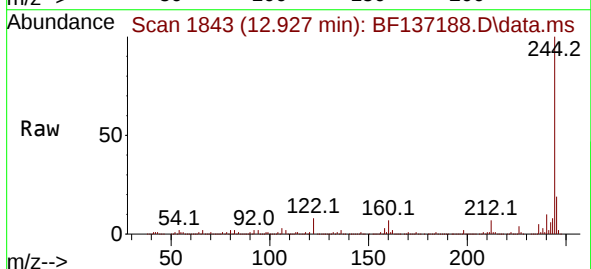
Tgt Ion:184 Resp: 8388

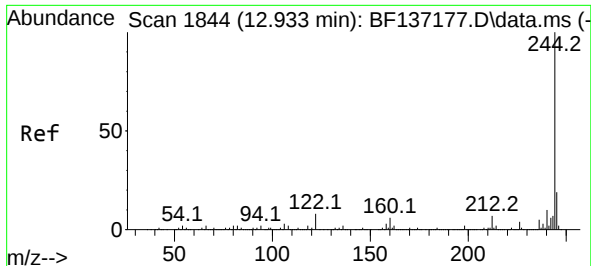
Ion Ratio Lower Upper

184 100

185 13.8 11.5 17.3

183 9.4 9.2 13.8





#79

Terphenyl-d14

Concen: 73.635 ng

RT: 12.927 min Scan# 1843

Delta R.T. -0.006 min

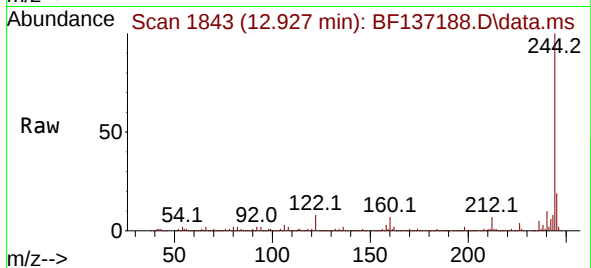
Lab File: BF137188.D

Acq: 29 Jan 2024 12:40

Instrument :

BNA_F

ClientSampleId :



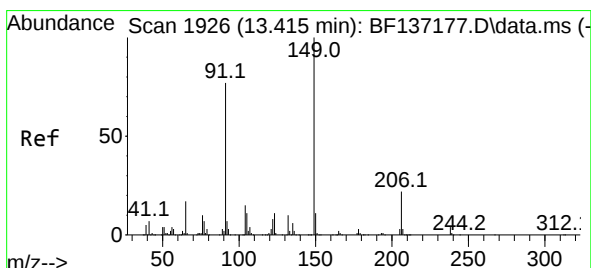
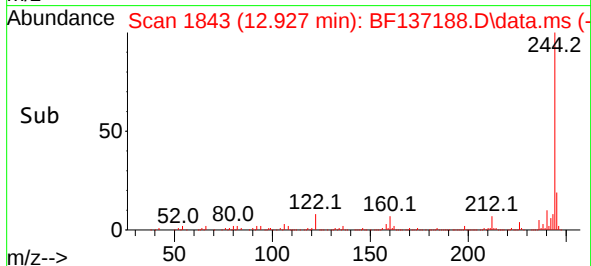
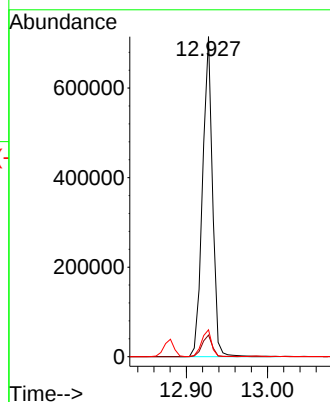
Tgt Ion:244 Resp: 610377

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

122 8.4 6.6 9.8



#80

Butylbenzylphthalate

Concen: 2.852 ng

RT: 13.410 min Scan# 1925

Delta R.T. -0.005 min

Lab File: BF137188.D

Acq: 29 Jan 2024 12:40

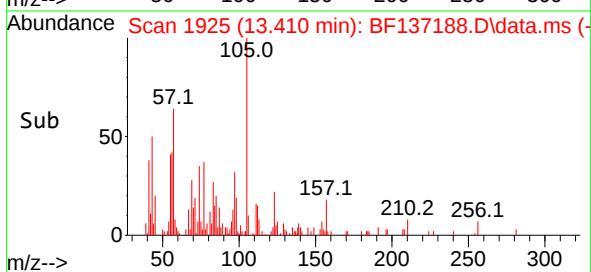
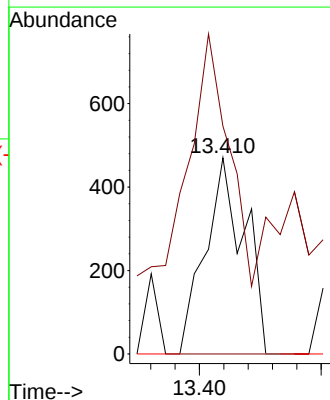
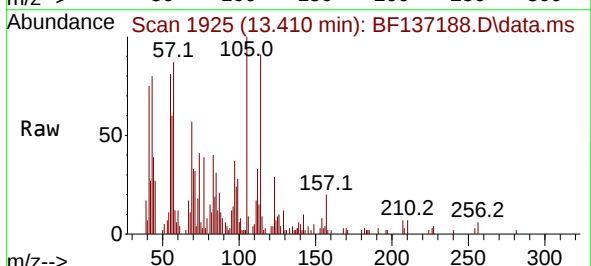
Tgt Ion:149 Resp: 530

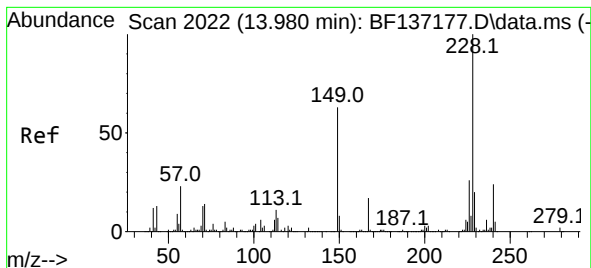
Ion Ratio Lower Upper

149 100

91 116.2 61.8 92.8#

206 0.0 17.7 26.5#

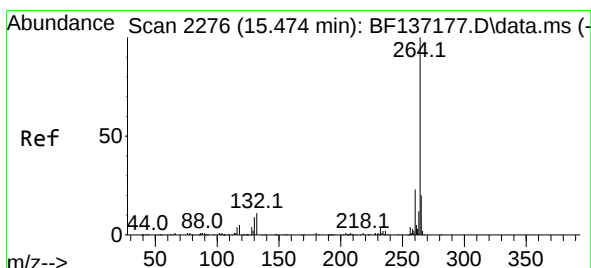
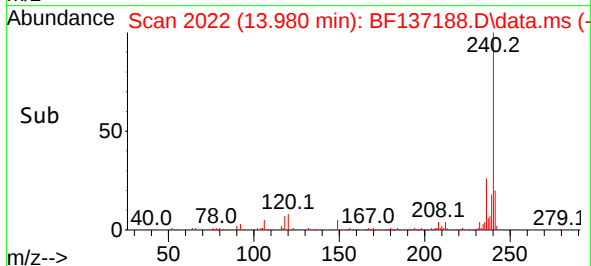
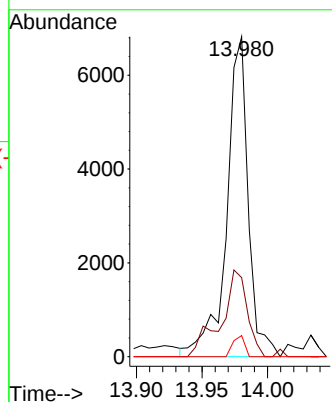
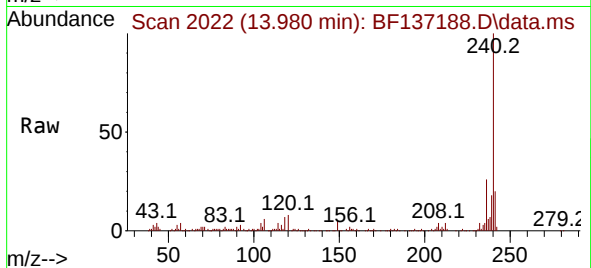




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.053 ng
 RT: 13.980 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: BF137188.D
 Acq: 29 Jan 2024 12:40

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:149 Resp: 7787
 Ion Ratio Lower Upper
 149 100
 167 24.7 21.6 32.4
 279 6.6 3.2 4.8#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.474 min Scan# 2276
 Delta R.T. 0.000 min
 Lab File: BF137188.D
 Acq: 29 Jan 2024 12:40

Tgt Ion:264 Resp: 118389
 Ion Ratio Lower Upper
 264 100
 260 24.4 18.2 27.4
 265 22.4 16.3 24.5

