

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031324\
 Data File : BF137581.D
 Acq On : 13 Mar 2024 17:25
 Operator : CG\JU
 Sample : P1733-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Quant Time: Mar 13 17:52:14 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 12 02:00:03 2024
 Response via : Initial Calibration

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

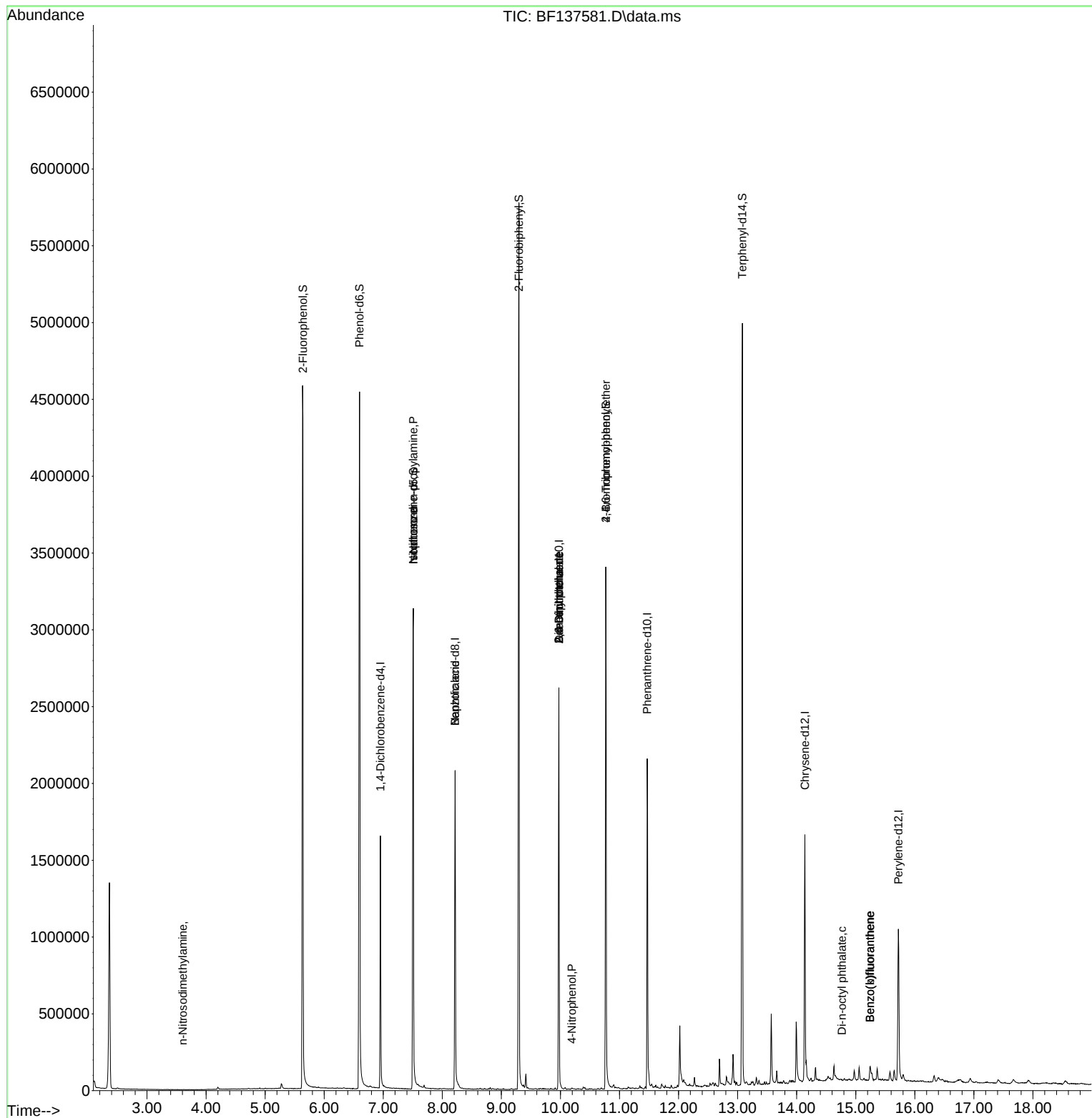
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.951	152	219012	20.000	ng	0.05
21) Naphthalene-d8	8.216	136	906419	20.000	ng	0.04
39) Acenaphthene-d10	9.975	164	502510	20.000	ng	0.04
64) Phenanthrene-d10	11.469	188	799454	20.000	ng	0.04
76) Chrysene-d12	14.139	240	527533	20.000	ng	0.04
86) Perylene-d12	15.721	264	530792	20.000	ng	0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.639	112	1415527	97.888	ng	0.07
7) Phenol-d6	6.598	99	1970273	94.391	ng	0.04
23) Nitrobenzene-d5	7.510	82	1238163	63.470	ng	0.04
42) 2,4,6-Tribromophenol	10.769	330	427438	96.861	ng	0.04
45) 2-Fluorobiphenyl	9.298	172	1905227	59.349	ng	0.04
79) Terphenyl-d14	13.080	244	1833314	47.788	ng	0.04
Target Compounds						
					Qvalue	
4) n-Nitrosodimethylamine	3.604	42	303	3.845	ng	# 1
19) n-Nitroso-di-n-propyla...	7.510	70	156898	12.172	ng	# 79
25) Isophorone	7.510	82	1238155	33.408	ng	# 69
32) Benzoic acid	8.216	122	190	6.318	ng	# 1
50) Dimethylphthalate	9.975	163	83377	2.384	ng	# 1
51) 2,6-Dinitrotoluene	9.975	165	65435	8.943	ng	# 20
56) 4-Nitrophenol	10.192	139	557	4.622	ng	# 5
57) 2,4-Dinitrotoluene	9.975	165	65426	7.279	ng	# 21
67) 4-Bromophenyl-phenylether	10.769	248	29089	3.341	ng	# 1
85) Di-n-octyl phthalate	14.768	149	96	5.609	ng	# 72
88) Benzo(b)fluoranthene	15.245	252	77522	2.469	ng	# 96
89) Benzo(k)fluoranthene	15.245	252	77522	2.299	ng	# 95

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

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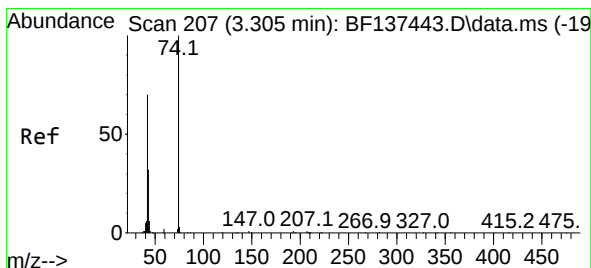
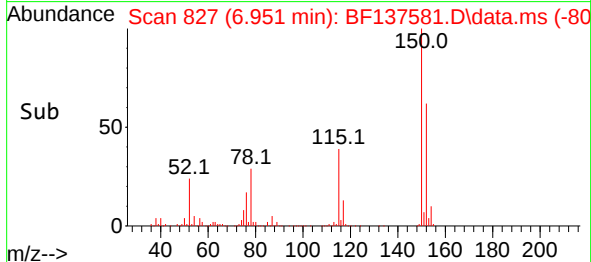
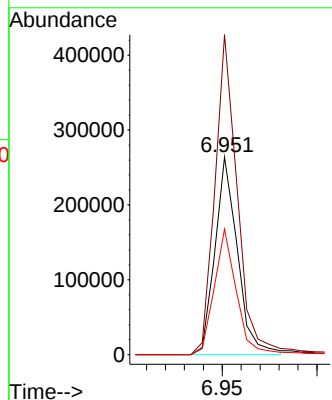
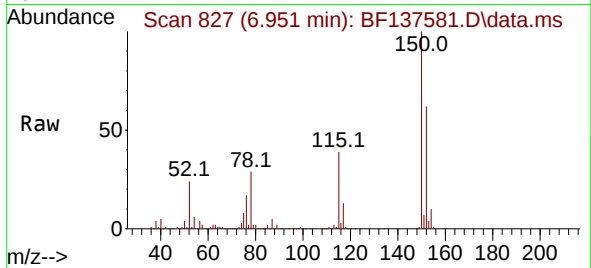




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.951 min Scan# 802
Delta R.T. 0.047 min
Lab File: BF137581.D
Acq: 13 Mar 2024 17:25

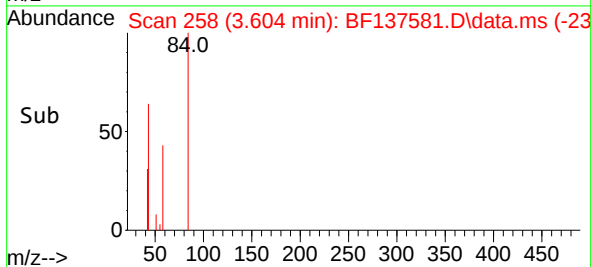
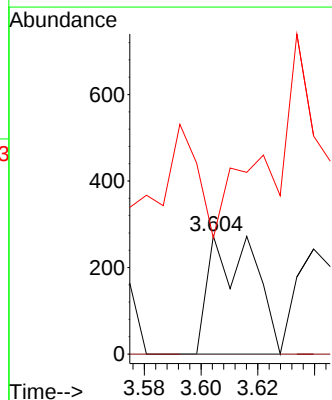
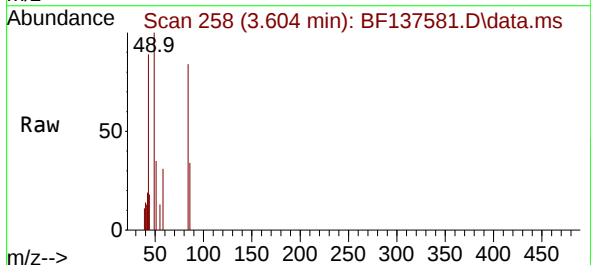
Instrument :
BNA_F
ClientSampleId :
WC-3

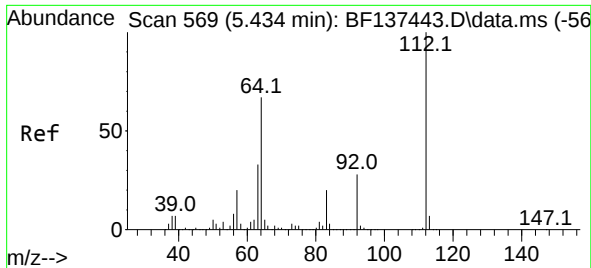
Tgt Ion:152 Resp: 219012
Ion Ratio Lower Upper
152 100
150 161.9 125.8 188.6
115 63.6 48.8 73.2



#4
n-Nitrosodimethylamine
Concen: 3.845 ng
RT: 3.604 min Scan# 258
Delta R.T. 0.035 min
Lab File: BF137581.D
Acq: 13 Mar 2024 17:25

Tgt Ion: 42 Resp: 303
Ion Ratio Lower Upper
42 100
74 0.0 114.0 171.0#
44 98.2 7.0 10.4#

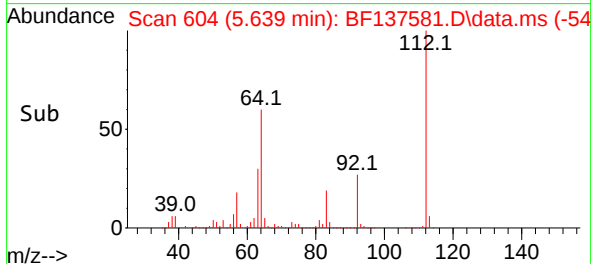
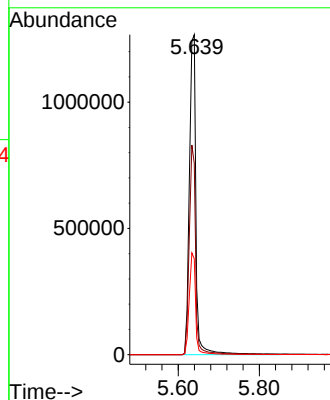
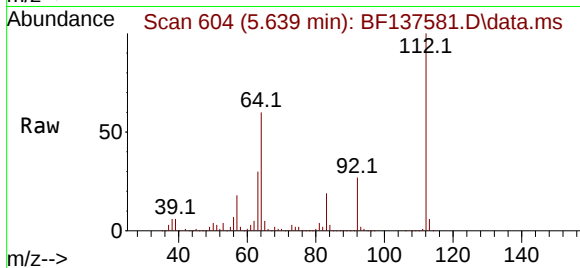




#5
2-Fluorophenol
Concen: 97.888 ng
RT: 5.639 min Scan# 604
Delta R.T. 0.070 min
Lab File: BF137581.D
Acq: 13 Mar 2024 17:25

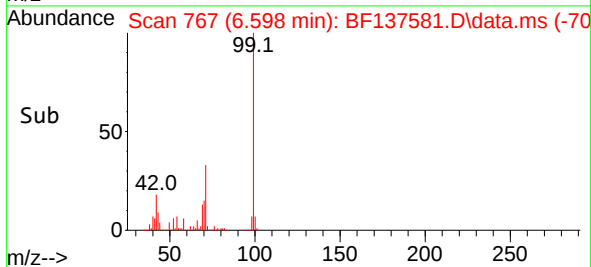
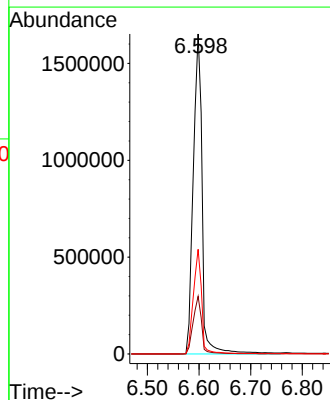
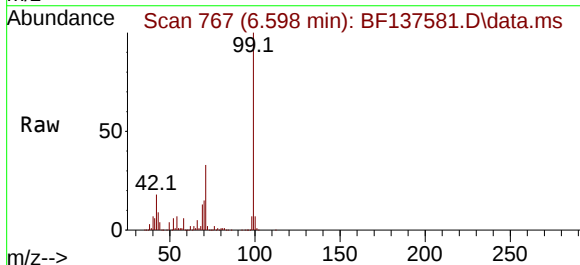
Instrument :
BNA_F
ClientSampleId :
WC-3

Tgt Ion:112 Resp: 1415527
Ion Ratio Lower Upper
112 100
64 59.8 53.4 80.2
63 30.0 26.2 39.2



#7
Phenol-d6
Concen: 94.391 ng
RT: 6.598 min Scan# 767
Delta R.T. 0.041 min
Lab File: BF137581.D
Acq: 13 Mar 2024 17:25

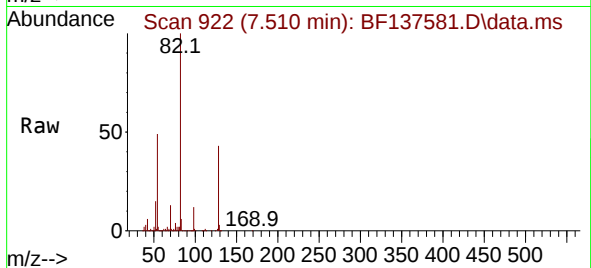
Tgt Ion: 99 Resp: 1970273
Ion Ratio Lower Upper
99 100
42 18.0 14.6 21.8
71 32.7 25.3 37.9



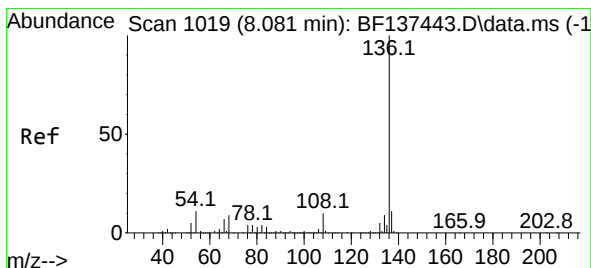
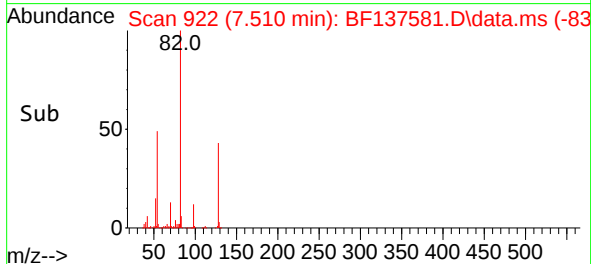
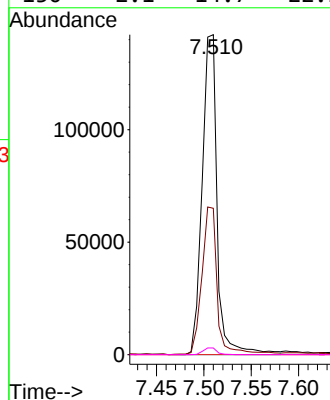


#19
n-Nitroso-di-n-propylamine
Concen: 12.172 ng
RT: 7.510 min Scan# 91
Delta R.T. 0.188 min
Lab File: BF137581.D
Acq: 13 Mar 2024 17:25

Instrument :
BNA_F
ClientSampleId :
WC-3

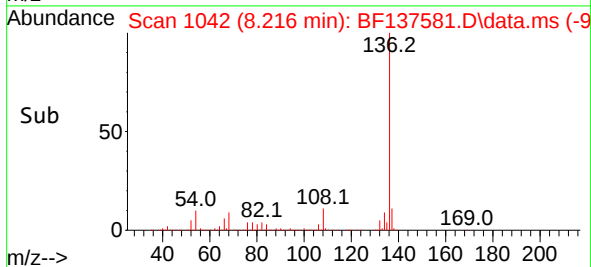
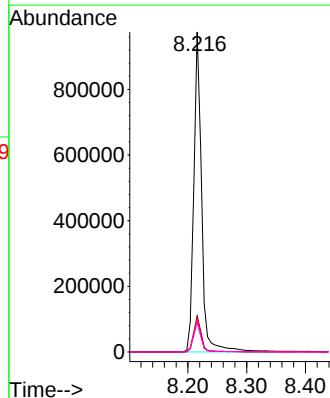
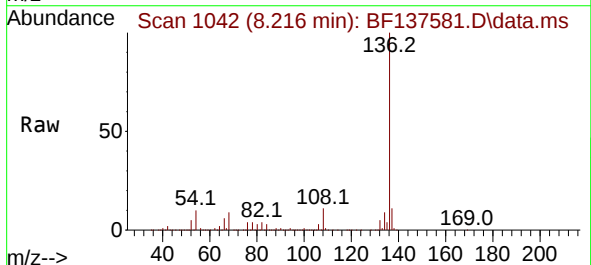


Tgt Ion: 70 Resp: 156898
Ion Ratio Lower Upper
70 100
42 45.7 45.2 67.8
101 0.0 7.3 10.9#
130 2.1 14.7 22.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1042
Delta R.T. 0.041 min
Lab File: BF137581.D
Acq: 13 Mar 2024 17:25

Tgt Ion: 136 Resp: 906419
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 10.3 8.5 12.7
68 9.3 7.4 11.2





#23

Nitrobenzene-d5

Concen: 63.470 ng

RT: 7.510 min Scan# 91

Delta R.T. 0.041 min

Lab File: BF137581.D

Acq: 13 Mar 2024 17:25

Instrument :

BNA_F

ClientSampleId :

WC-3

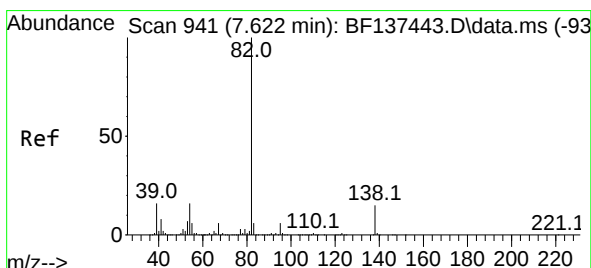
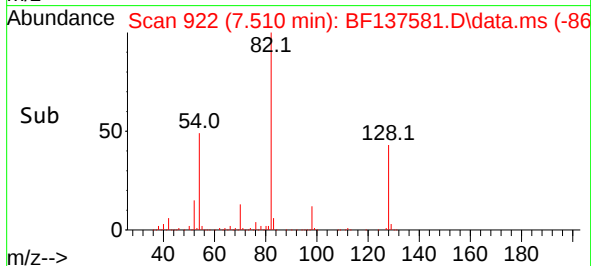
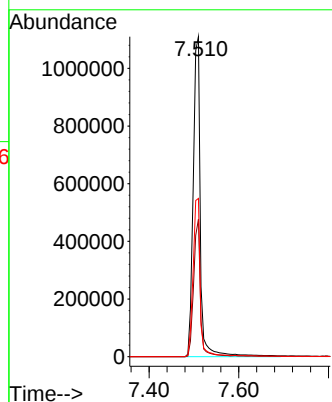
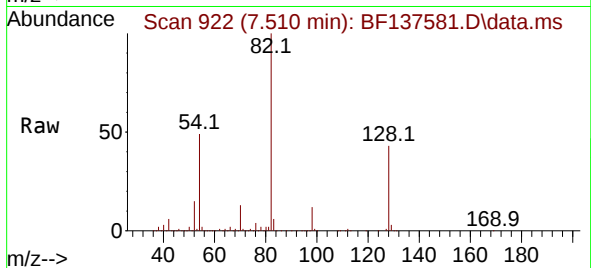
Tgt Ion: 82 Resp: 1238163

Ion Ratio Lower Upper

82 100

128 42.9 32.5 48.7

54 49.5 41.5 62.3



#25

Isophorone

Concen: 33.408 ng

RT: 7.510 min Scan# 922

Delta R.T. -0.212 min

Lab File: BF137581.D

Acq: 13 Mar 2024 17:25

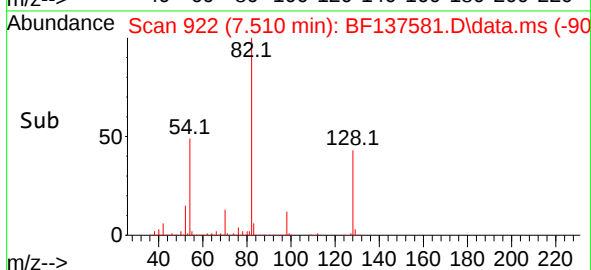
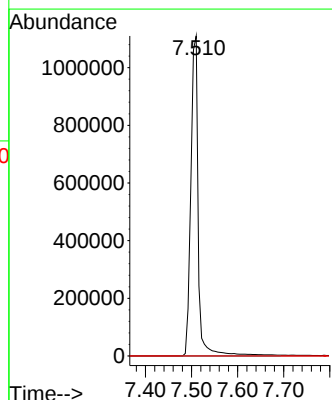
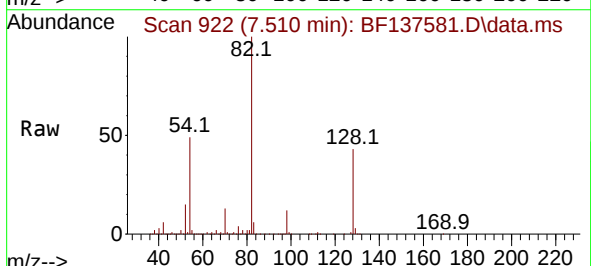
Tgt Ion: 82 Resp: 1238155

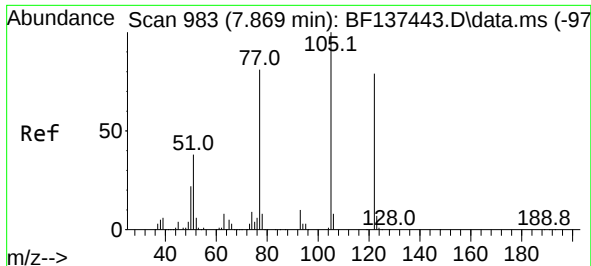
Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 11.8 17.8#

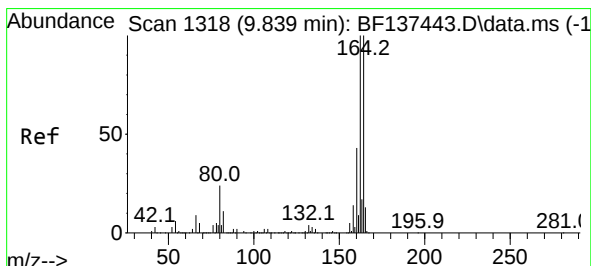
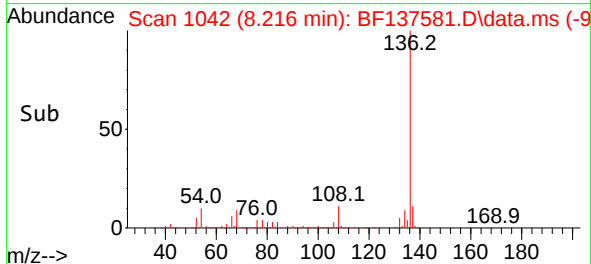
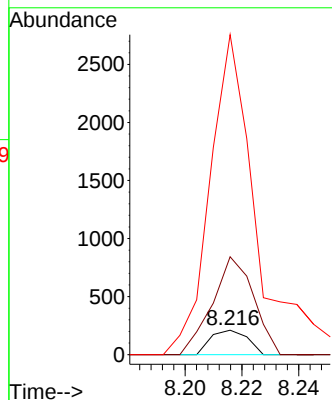
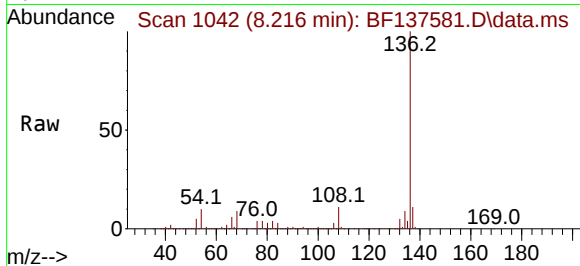




#32
Benzoic acid
Concen: 6.318 ng
RT: 8.216 min Scan# 1042
Delta R.T. 0.235 min
Lab File: BF137581.D
Acq: 13 Mar 2024 17:25

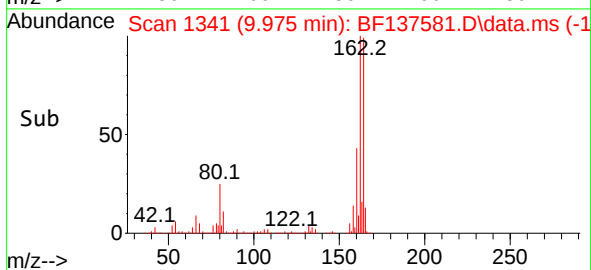
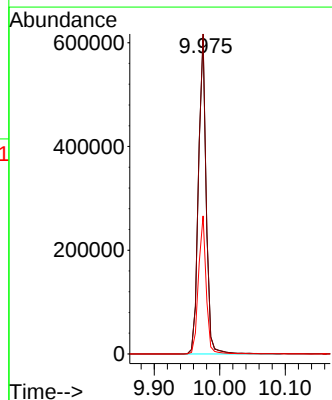
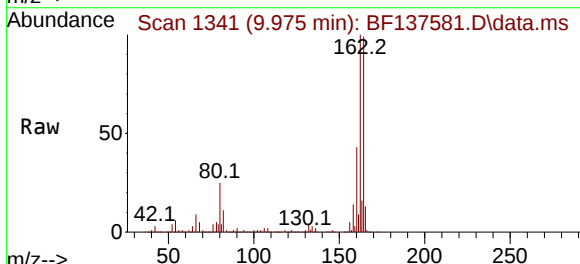
Instrument :
BNA_F
ClientSampleId :
WC-3

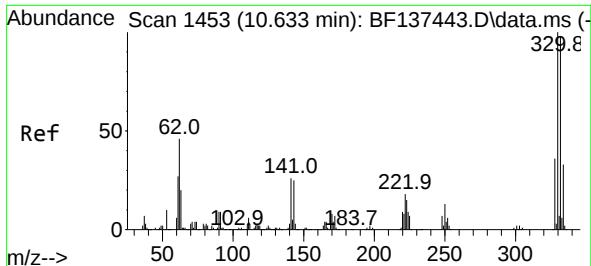
Tgt Ion:122 Resp: 190
Ion Ratio Lower Upper
122 100
105 399.5 102.4 142.4#
77 1306.2 81.1 121.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.975 min Scan# 1341
Delta R.T. 0.041 min
Lab File: BF137581.D
Acq: 13 Mar 2024 17:25

Tgt Ion:164 Resp: 502510
Ion Ratio Lower Upper
164 100
162 101.1 79.8 119.8
160 43.6 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 96.861 ng

RT: 10.769 min Scan# 1453

Delta R.T. 0.035 min

Lab File: BF137581.D

Acq: 13 Mar 2024 17:25

Instrument :

BNA_F

ClientSampleId :

WC-3

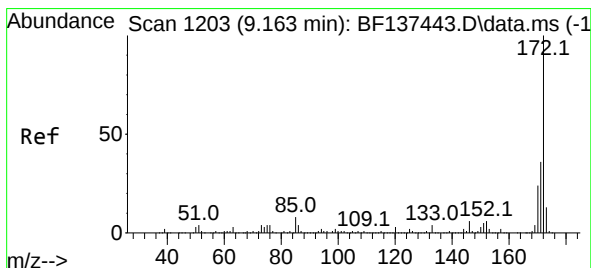
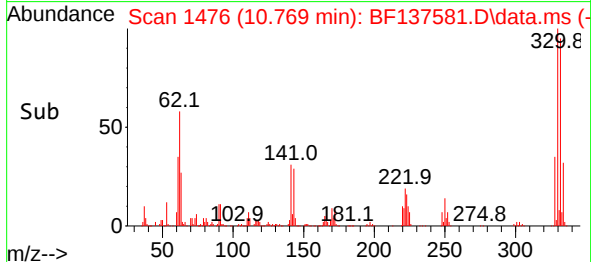
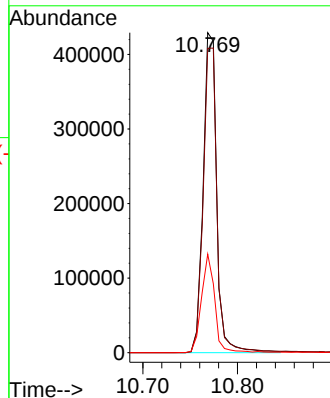
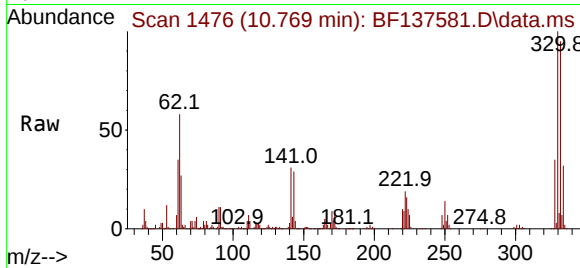
Tgt Ion:330 Resp: 427438

Ion Ratio Lower Upper

330 100

332 97.8 78.0 117.0

141 30.4 27.3 40.9



#45

2-Fluorobiphenyl

Concen: 59.349 ng

RT: 9.298 min Scan# 1226

Delta R.T. 0.041 min

Lab File: BF137581.D

Acq: 13 Mar 2024 17:25

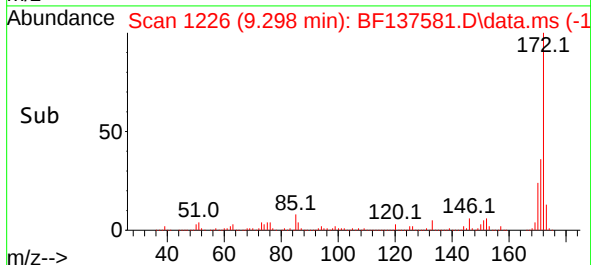
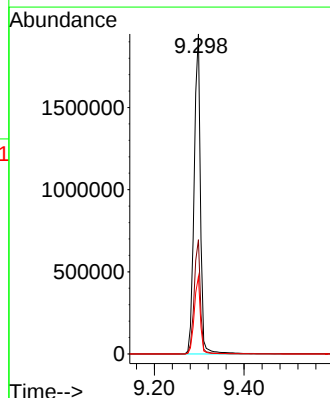
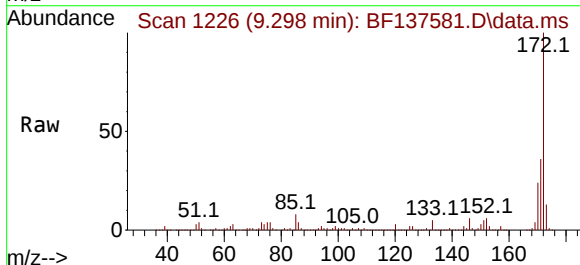
Tgt Ion:172 Resp: 1905227

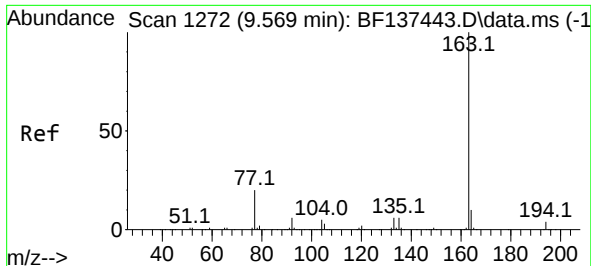
Ion Ratio Lower Upper

172 100

171 35.7 28.5 42.7

170 24.2 19.0 28.6

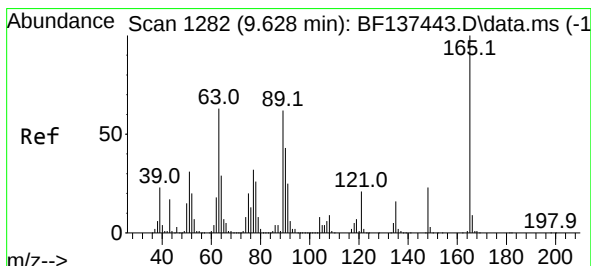
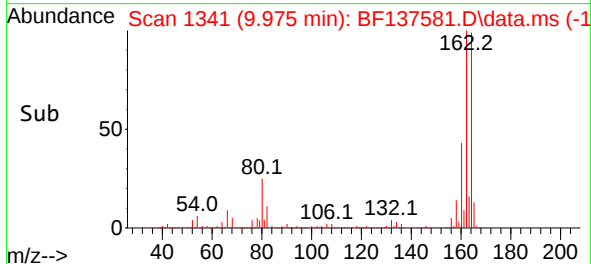
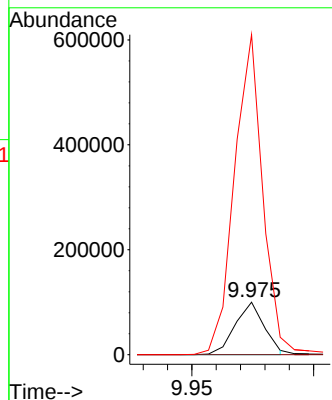
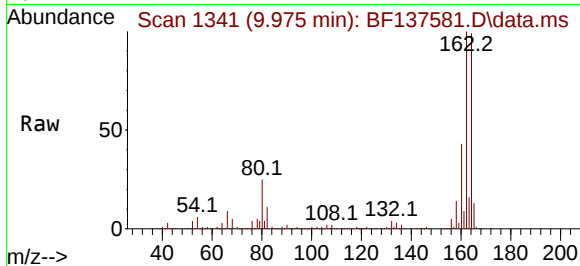




#50
Dimethylphthalate
Concen: 2.384 ng
RT: 9.975 min Scan# 1341
Delta R.T. 0.306 min
Lab File: BF137581.D
Acq: 13 Mar 2024 17:25

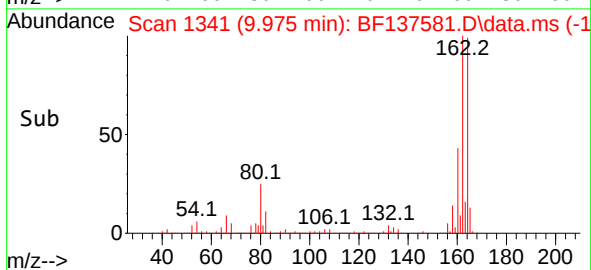
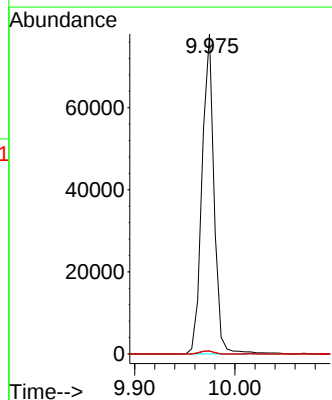
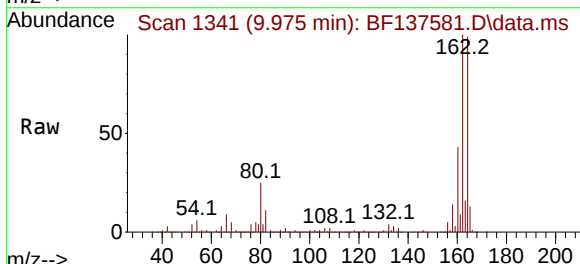
Instrument :
BNA_F
ClientSampleId :
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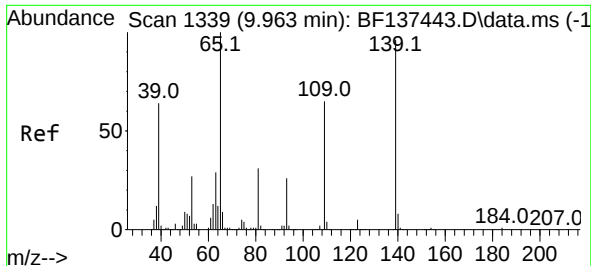
Tgt Ion:163 Resp: 83377
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 609.6 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.943 ng
RT: 9.975 min Scan# 1341
Delta R.T. 0.247 min
Lab File: BF137581.D
Acq: 13 Mar 2024 17:25

Tgt Ion:165 Resp: 65435
Ion Ratio Lower Upper
165 100
63 1.0 50.7 76.1#
89 0.9 50.0 75.0#

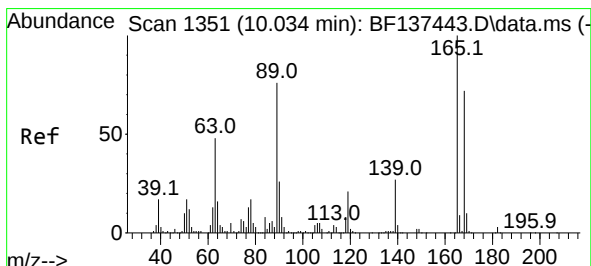
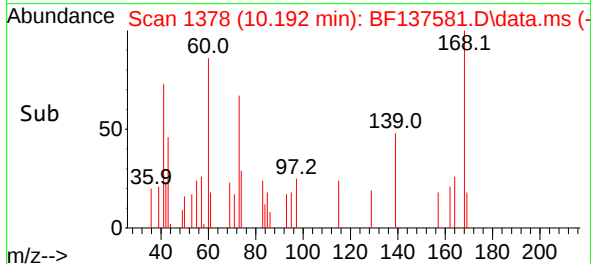
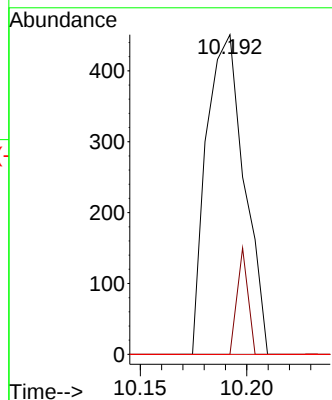
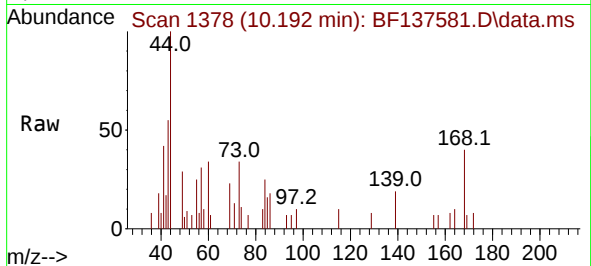




#56
4-Nitrophenol
Concen: 4.622 ng
RT: 10.192 min Scan# 11
Delta R.T. 0.129 min
Lab File: BF137581.D
Acq: 13 Mar 2024 17:25

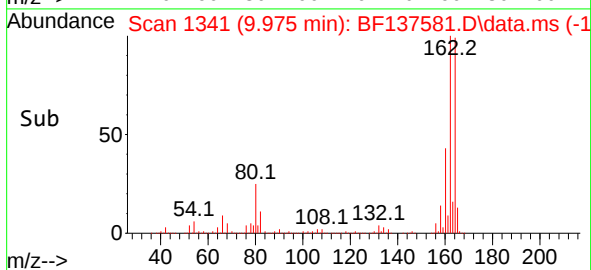
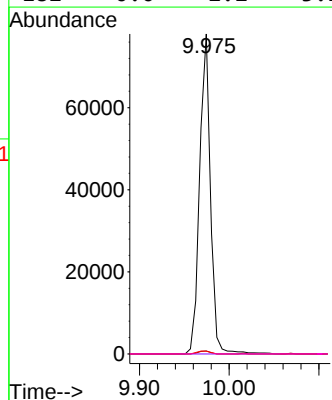
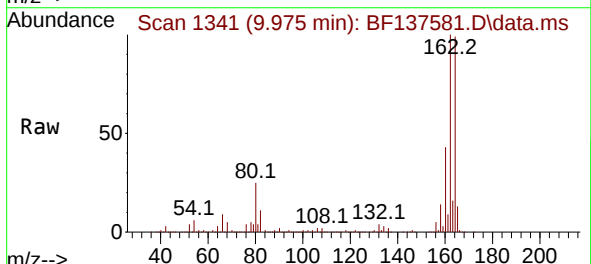
Instrument :
BNA_F
ClientSampleId :
WC-3

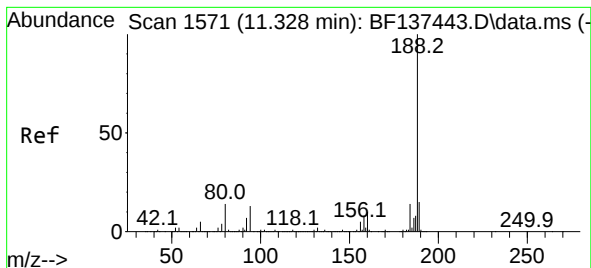
Tgt Ion:139 Resp: 557
Ion Ratio Lower Upper
139 100
109 0.0 47.1 87.1#
65 0.0 85.1 125.1#



#57
2,4-Dinitrotoluene
Concen: 7.279 ng
RT: 9.975 min Scan# 1341
Delta R.T. -0.159 min
Lab File: BF137581.D
Acq: 13 Mar 2024 17:25

Tgt Ion:165 Resp: 65426
Ion Ratio Lower Upper
165 100
63 1.0 39.0 58.6#
89 0.9 60.9 91.3#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.469 min Scan# 1

Delta R.T. 0.035 min

Lab File: BF137581.D

Acq: 13 Mar 2024 17:25

Instrument :

BNA_F

ClientSampleId :

WC-3

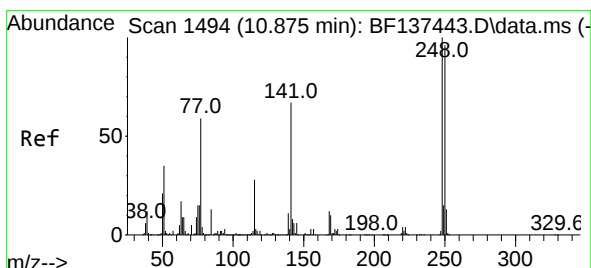
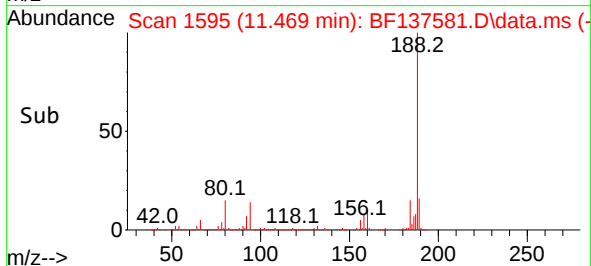
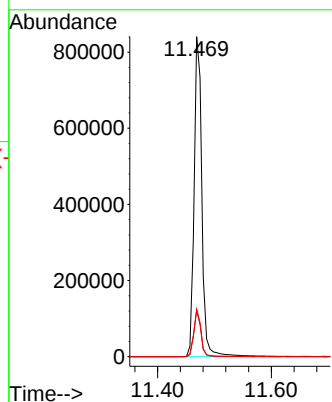
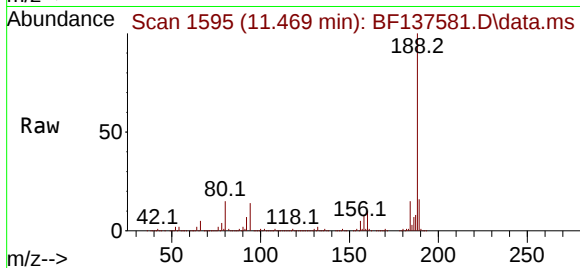
Tgt Ion:188 Resp: 799454

Ion Ratio Lower Upper

188 100

94 14.5 10.6 15.8

80 14.9 11.5 17.3



#67

4-Bromophenyl-phenylether

Concen: 3.341 ng

RT: 10.769 min Scan# 1476

Delta R.T. -0.206 min

Lab File: BF137581.D

Acq: 13 Mar 2024 17:25

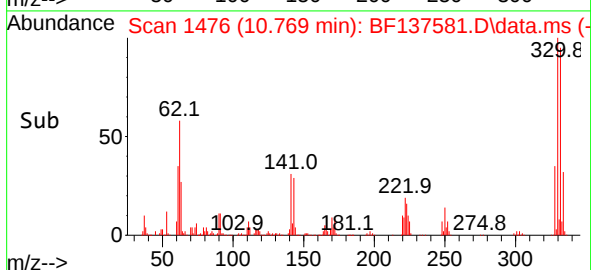
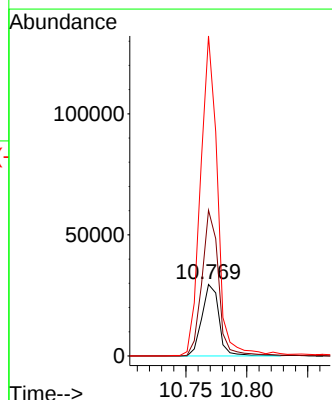
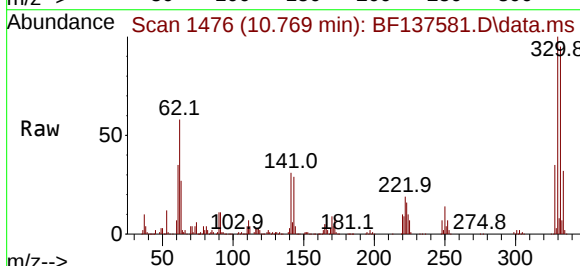
Tgt Ion:248 Resp: 29089

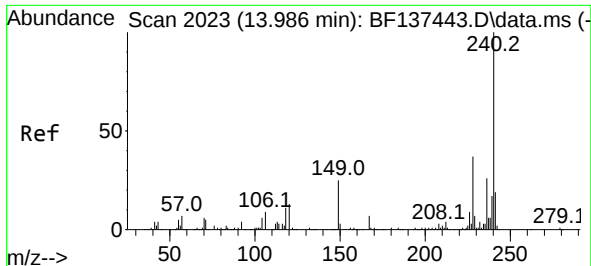
Ion Ratio Lower Upper

248 100

250 203.6 76.8 115.2#

141 447.1 53.4 80.0#

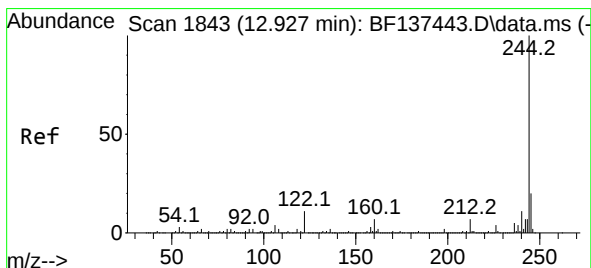
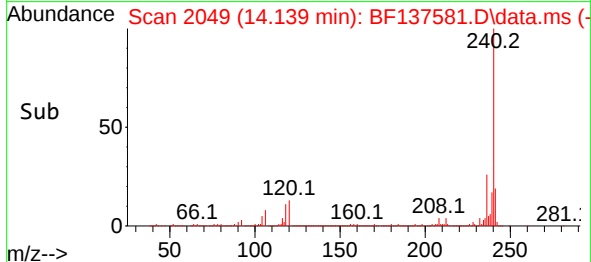
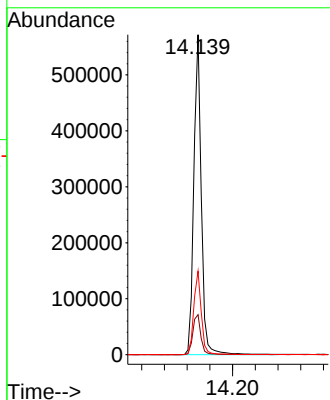
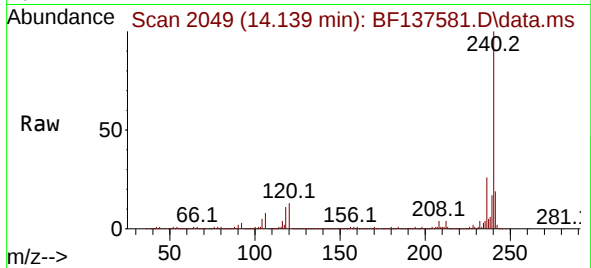




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.139 min Scan# 20
Delta R.T. 0.041 min
Lab File: BF137581.D
Acq: 13 Mar 2024 17:25

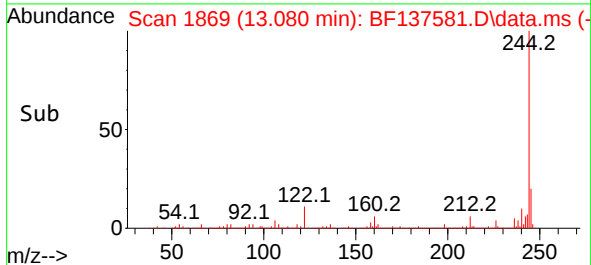
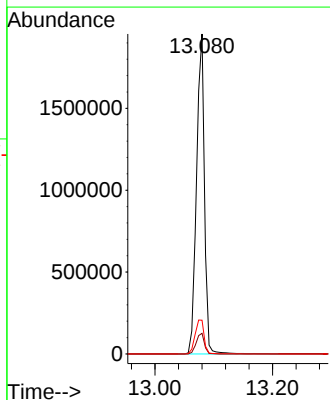
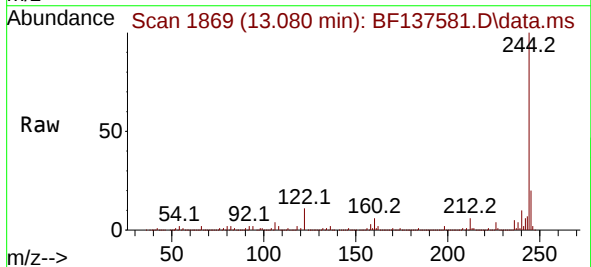
Instrument :
BNA_F
ClientSampleId :
WC-3

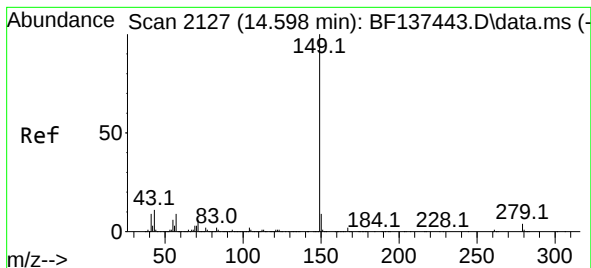
Tgt Ion:240 Resp: 527533
Ion Ratio Lower Upper
240 100
120 12.5 10.4 15.6
236 26.1 20.9 31.3



#79
Terphenyl-d14
Concen: 47.788 ng
RT: 13.080 min Scan# 1869
Delta R.T. 0.041 min
Lab File: BF137581.D
Acq: 13 Mar 2024 17:25

Tgt Ion:244 Resp: 1833314
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.2
122 10.5 9.1 13.7





#85

Di-n-octyl phthalate

Concen: 5.609 ng

RT: 14.768 min Scan# 2127

Delta R.T. 0.053 min

Lab File: BF137581.D

Acq: 13 Mar 2024 17:25

Instrument :

BNA_F

ClientSampleId :

WC-3

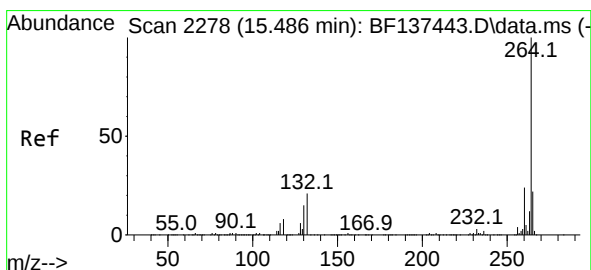
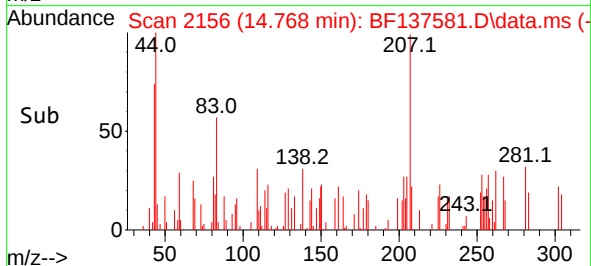
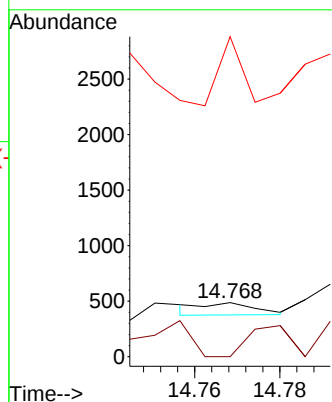
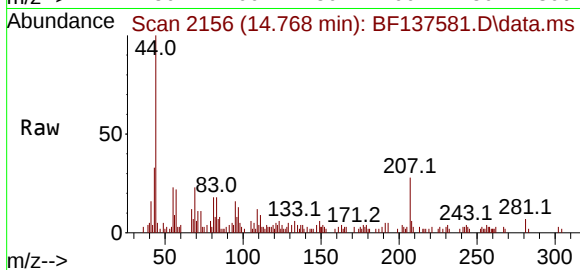
Tgt Ion:149 Resp: 96

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

43 0.0 9.6 14.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.721 min Scan# 2318

Delta R.T. 0.070 min

Lab File: BF137581.D

Acq: 13 Mar 2024 17:25

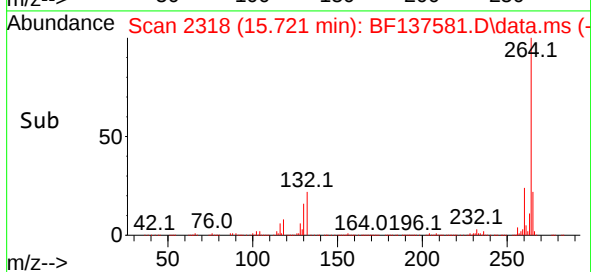
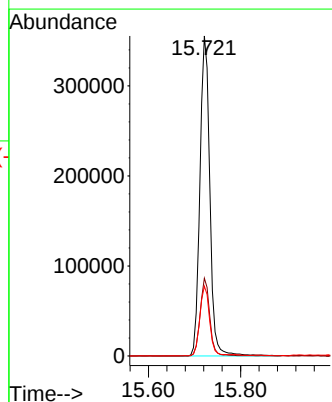
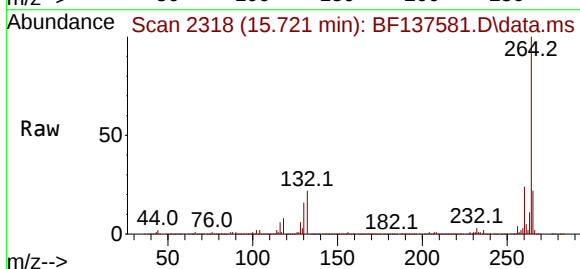
Tgt Ion:264 Resp: 530792

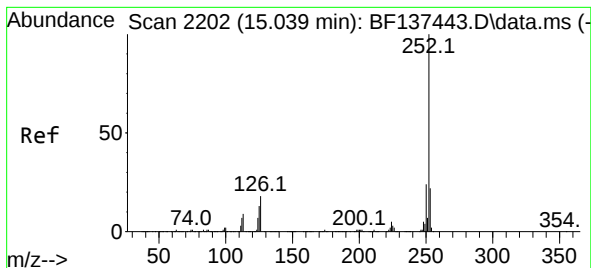
Ion Ratio Lower Upper

264 100

260 24.3 19.3 28.9

265 21.8 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 2.469 ng

RT: 15.245 min Scan# 21

Delta R.T. 0.059 min

Lab File: BF137581.D

Acq: 13 Mar 2024 17:25

Instrument :

BNA_F

ClientSampleId :

WC-3

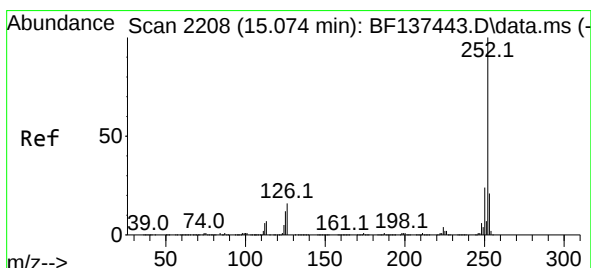
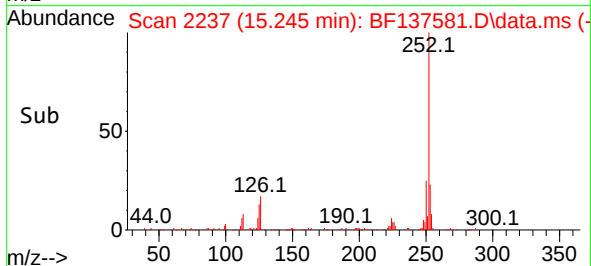
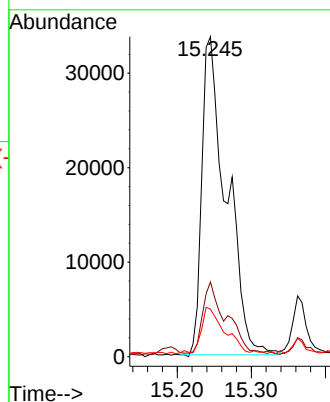
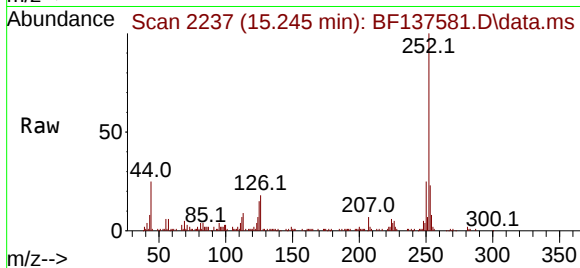
Tgt Ion:252 Resp: 77522

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.8

125 14.9 10.1 15.1



#89

Benzo(k)fluoranthene

Concen: 2.299 ng

RT: 15.245 min Scan# 2237

Delta R.T. 0.029 min

Lab File: BF137581.D

Acq: 13 Mar 2024 17:25

Tgt Ion:252 Resp: 77522

Ion Ratio Lower Upper

252 100

253 23.4 17.3 25.9

125 14.9 9.6 14.4#

