

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022724\
 Data File : BF137400.D
 Acq On : 27 Feb 2024 12:47
 Operator : CG\JU
 Sample : PB159259BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB159259BL

Quant Time: Feb 27 13:11:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 24 04:23:49 2024
 Response via : Initial Calibration

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

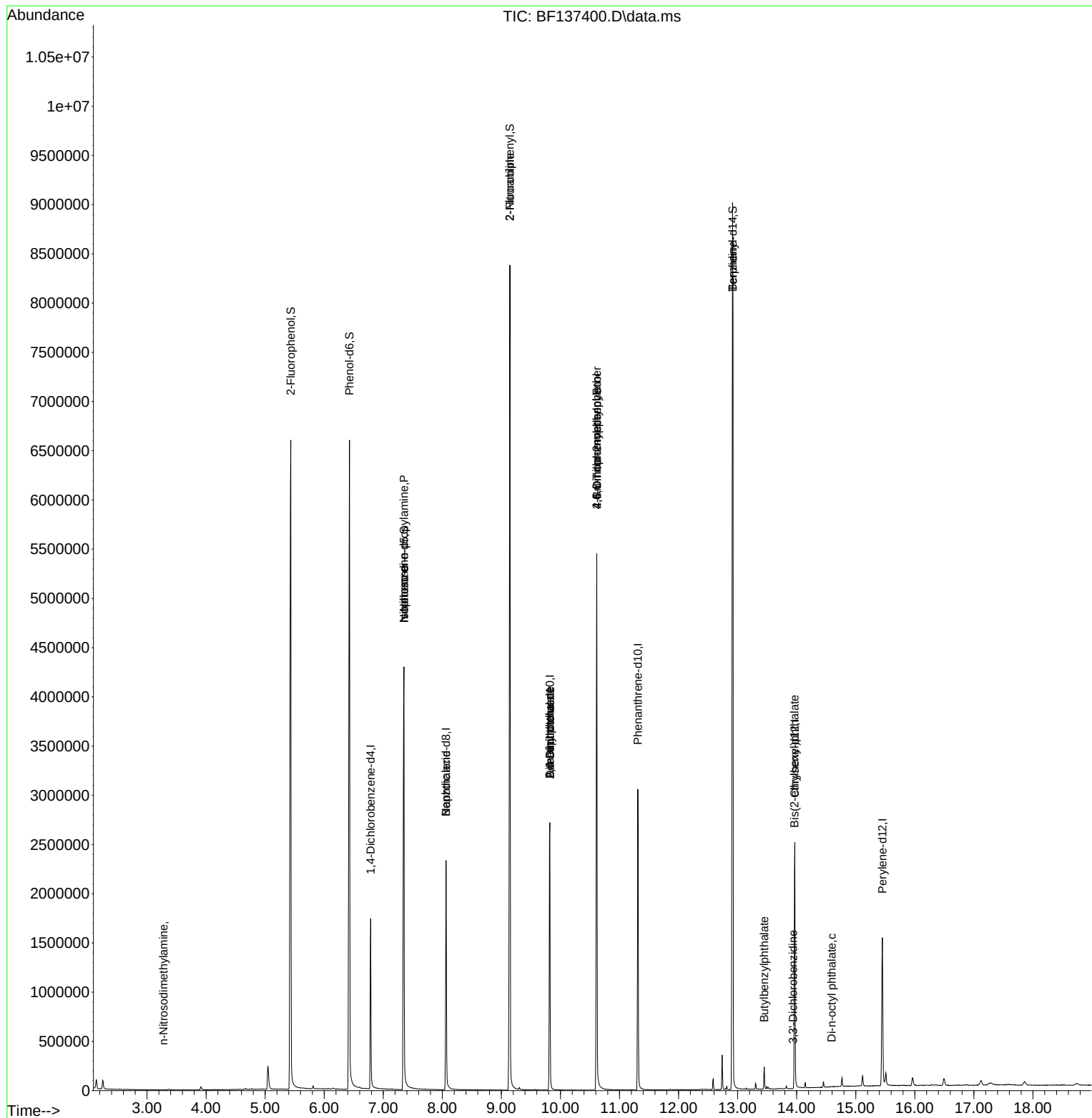
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	265220	20.000	ng	-0.02
21) Naphthalene-d8	8.063	136	1062950	20.000	ng	-0.02
39) Acenaphthene-d10	9.822	164	586173	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	1113216	20.000	ng	-0.02
76) Chrysene-d12	13.968	240	865765	20.000	ng	-0.01
86) Perylene-d12	15.451	264	713828	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	2055182	119.569	ng	0.00
7) Phenol-d6	6.428	99	2771723	109.622	ng	-0.01
23) Nitrobenzene-d5	7.351	82	1774707	83.354	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	680943	133.403	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	2879177	76.469	ng	-0.01
79) Terphenyl-d14	12.916	244	3895023	62.926	ng	-0.01
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.281	42	230	5.130	ng	# 1
19) n-Nitroso-di-n-propyla...	7.351	70	233932	15.014	ng	# 80
25) Isophorone	7.351	82	1774692	40.306	ng	# 69
32) Benzoic acid	8.063	122	261	6.973	ng	# 1
48) 2-Nitroaniline	9.145	65	5015	4.710	ng	# 1
50) Dimethylphthalate	9.822	163	116679	2.881	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	75364	10.001	ng	# 26
57) 2,4-Dinitrotoluene	9.822	165	75364	8.799	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.616	198	1677	4.785	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	46562	3.891	ng	# 1
77) Benzidine	12.916	184	45488	9.567	ng	# 93
80) Butylbenzylphthalate	13.451	149	397	4.023	ng	# 77
82) 3,3'-Dichlorobenzidine	13.939	252	110	5.040	ng	# 27
84) Bis(2-ethylhexyl)phtha...	13.963	149	995	4.159	ng	# 1
85) Di-n-octyl phthalate	14.592	149	554	6.025	ng	# 1

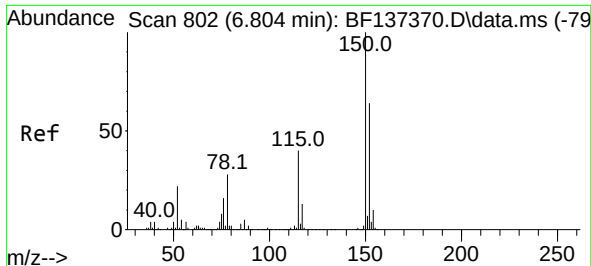
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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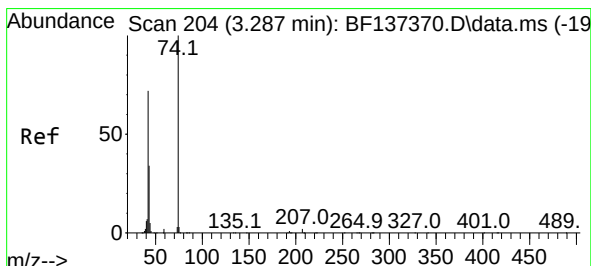
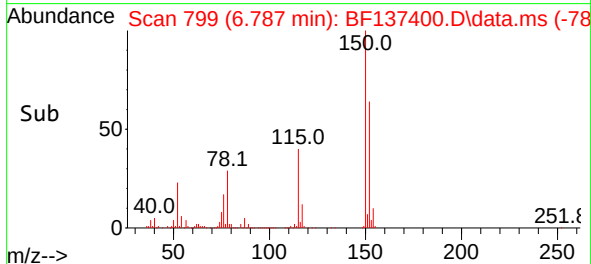
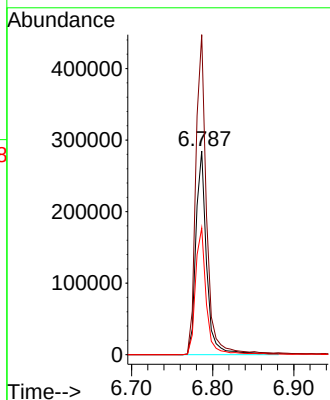
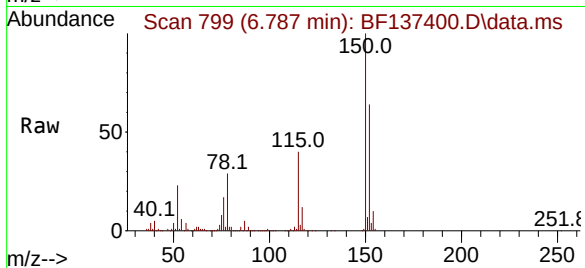




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.017 min
Lab File: BF137400.D
Acq: 27 Feb 2024 12:47

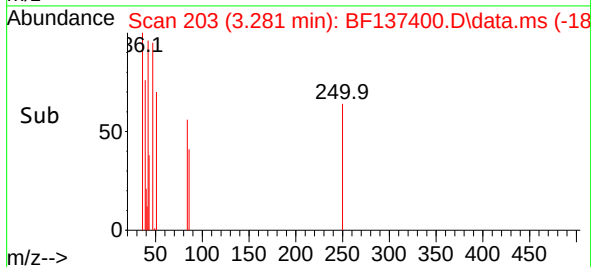
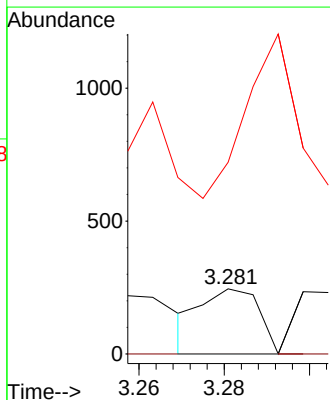
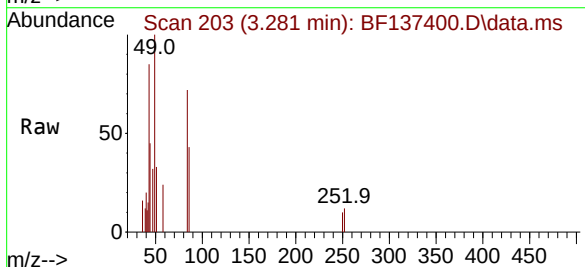
Instrument :
BNA_F
ClientSampleId :
PB159259BL

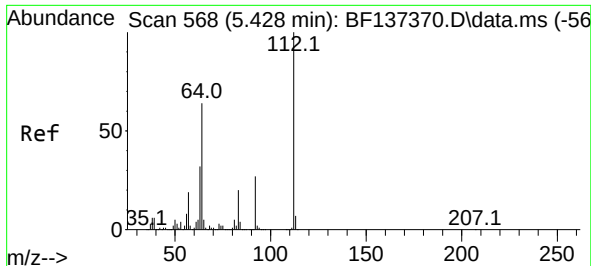
Tgt Ion:152 Resp: 265220
Ion Ratio Lower Upper
152 100
150 157.1 125.7 188.5
115 62.2 49.8 74.8



#4
n-Nitrosodimethylamine
Concen: 5.130 ng
RT: 3.281 min Scan# 203
Delta R.T. -0.006 min
Lab File: BF137400.D
Acq: 27 Feb 2024 12:47

Tgt Ion: 42 Resp: 230
Ion Ratio Lower Upper
42 100
74 0.0 110.8 166.2#
44 294.3 6.0 9.0#

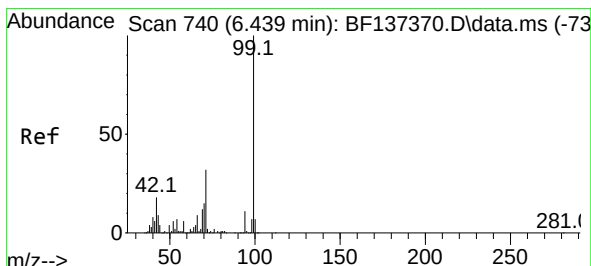
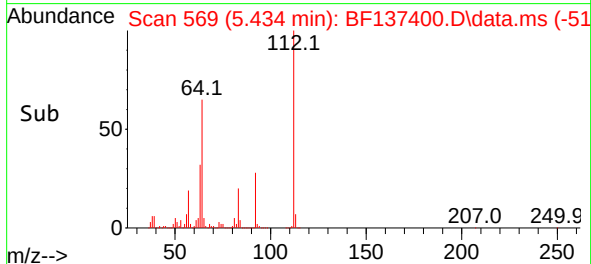
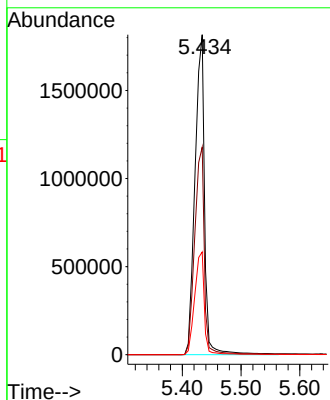
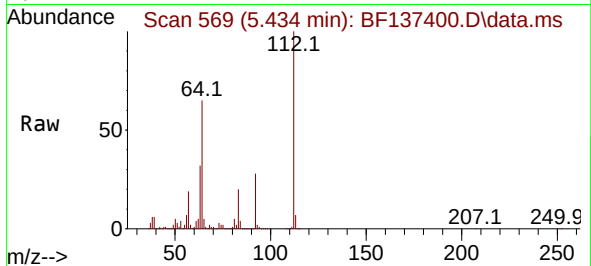




#5
2-Fluorophenol
Concen: 119.569 ng
RT: 5.434 min Scan# 501
Delta R.T. 0.006 min
Lab File: BF137400.D
Acq: 27 Feb 2024 12:47

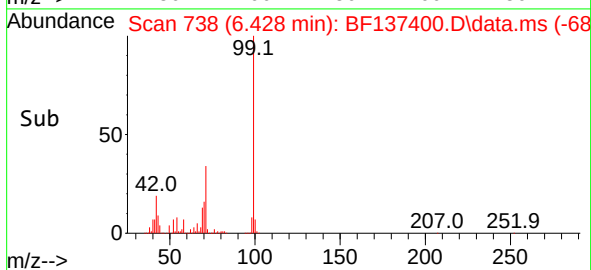
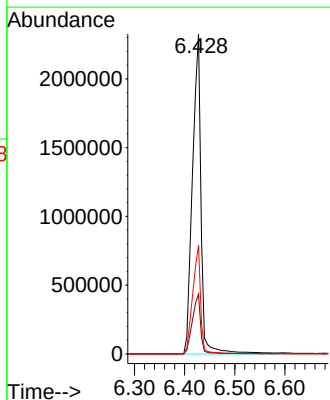
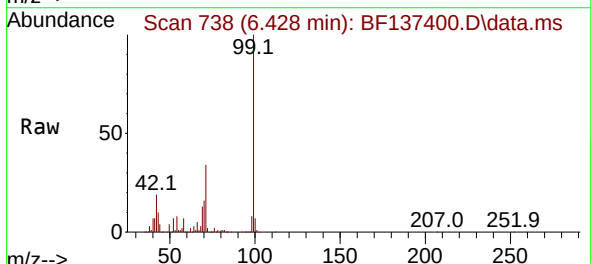
Instrument :
BNA_F
ClientSampleId :
PB159259BL

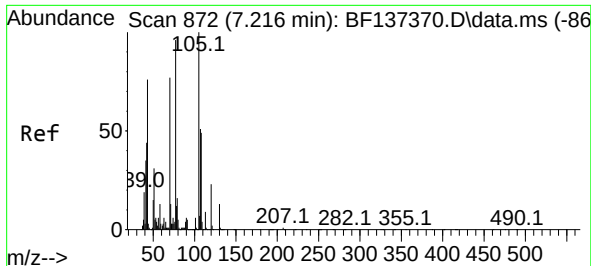
Tgt Ion:112 Resp: 2055182
Ion Ratio Lower Upper
112 100
64 64.9 51.0 76.6
63 32.1 25.7 38.5



#7
Phenol-d6
Concen: 109.622 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF137400.D
Acq: 27 Feb 2024 12:47

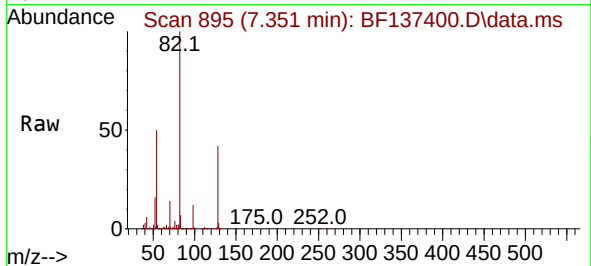
Tgt Ion: 99 Resp: 2771723
Ion Ratio Lower Upper
99 100
42 18.7 14.2 21.4
71 34.0 25.2 37.8



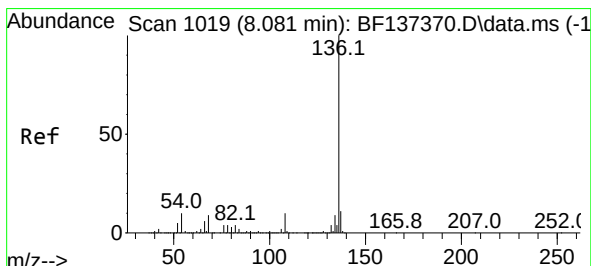
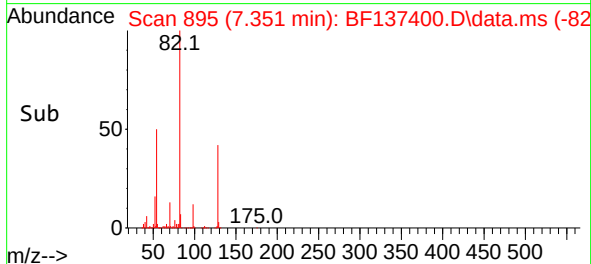
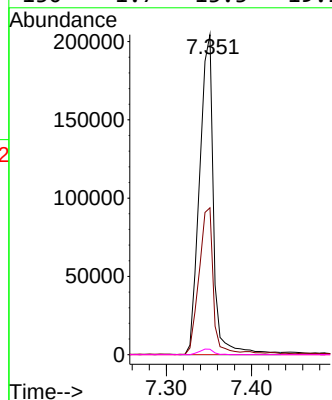


#19
n-Nitroso-di-n-propylamine
Concen: 15.014 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.135 min
Lab File: BF137400.D
Acq: 27 Feb 2024 12:47

Instrument :
BNA_F
ClientSampleId :
PB159259BL

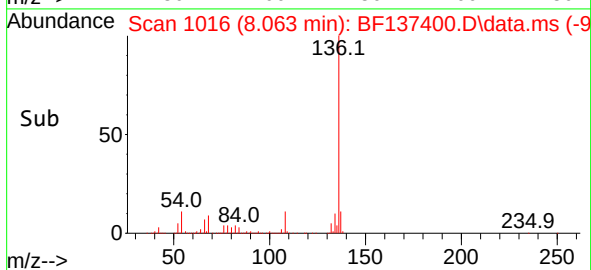
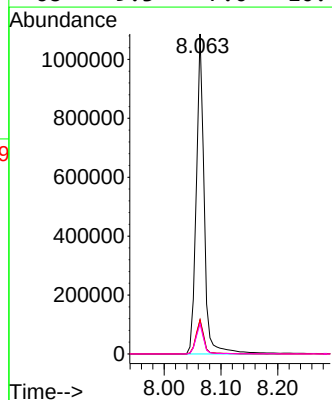
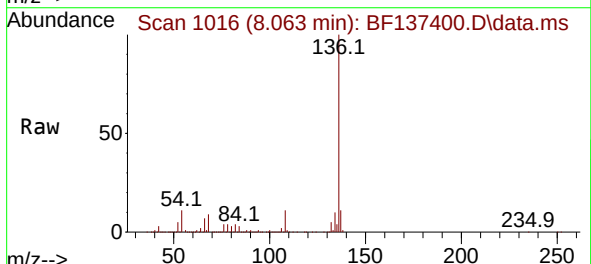


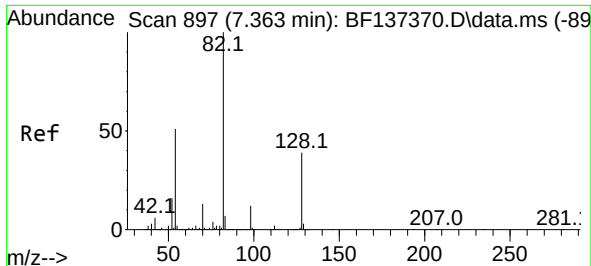
Tgt Ion:	70	Resp:	233932
Ion	Ratio	Lower	Upper
70	100		
42	45.9	45.3	67.9
101	0.0	6.5	9.7#
130	1.7	13.3	19.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF137400.D
Acq: 27 Feb 2024 12:47

Tgt Ion:	136	Resp:	1062950
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.4
54	10.6	7.8	11.6
68	9.3	7.0	10.4





#23

Nitrobenzene-d5

Concen: 83.354 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF137400.D

Acq: 27 Feb 2024 12:47

Instrument :

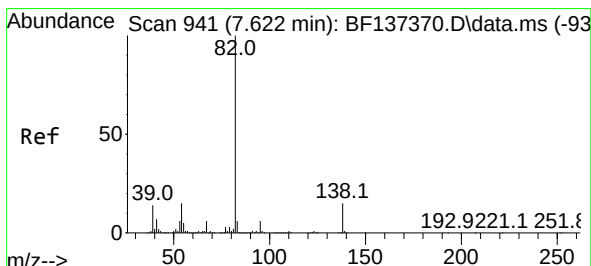
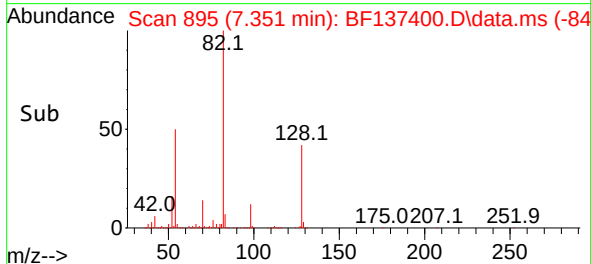
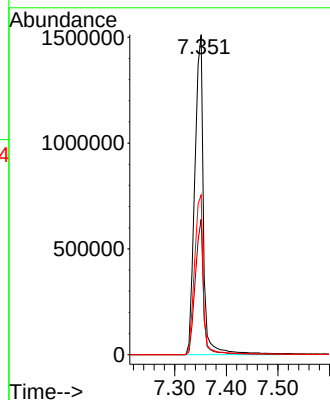
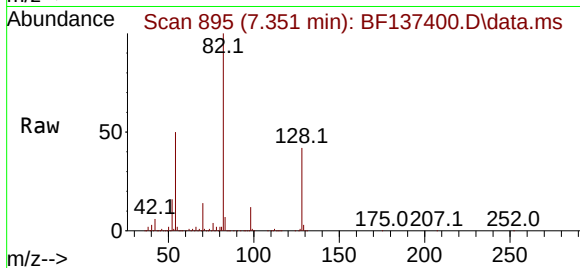
BNA_F

ClientSampleId :

PB159259BL

Tgt Ion: 82 Resp: 1774707

Ion	Ratio	Lower	Upper
82	100		
128	42.3	30.8	46.2
54	49.9	40.8	61.2



#25

Isophorone

Concen: 40.306 ng

RT: 7.351 min Scan# 895

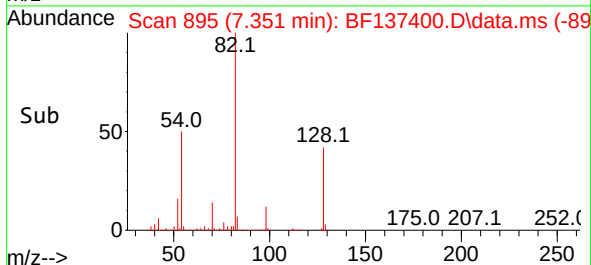
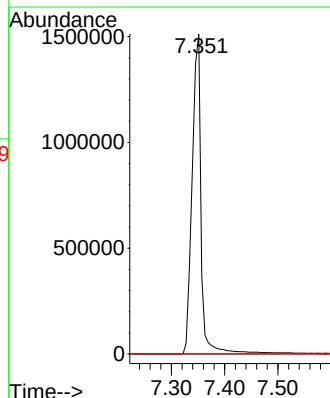
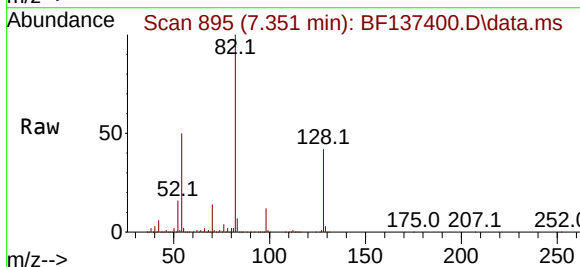
Delta R.T. -0.271 min

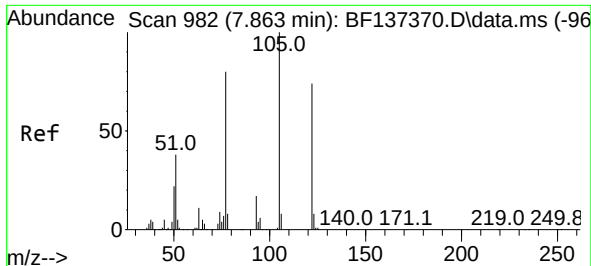
Lab File: BF137400.D

Acq: 27 Feb 2024 12:47

Tgt Ion: 82 Resp: 1774692

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.1	7.7#
138	0.0	12.2	18.4#

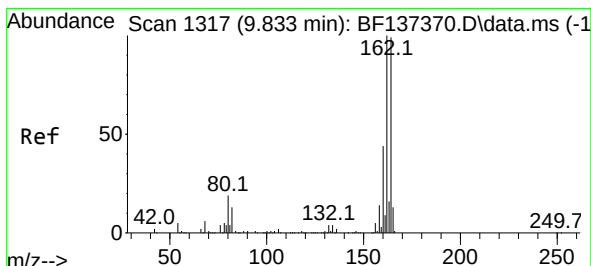
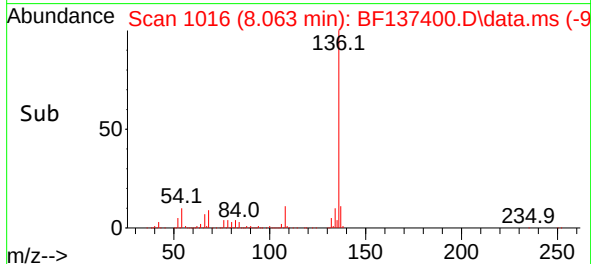
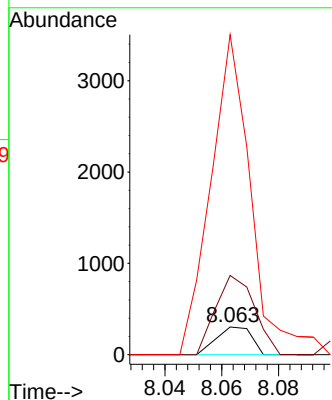
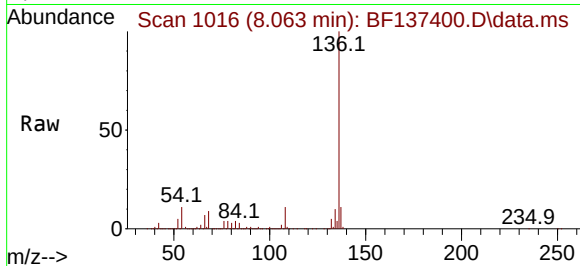




#32
Benzoic acid
Concen: 6.973 ng
RT: 8.063 min Scan# 1016
Delta R.T. 0.200 min
Lab File: BF137400.D
Acq: 27 Feb 2024 12:47

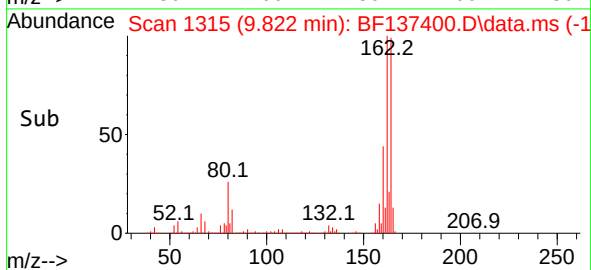
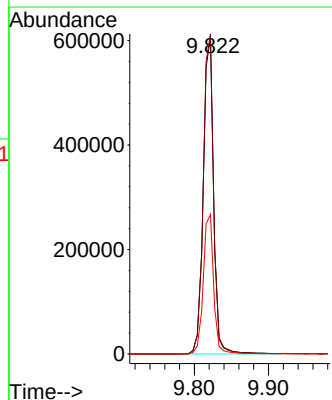
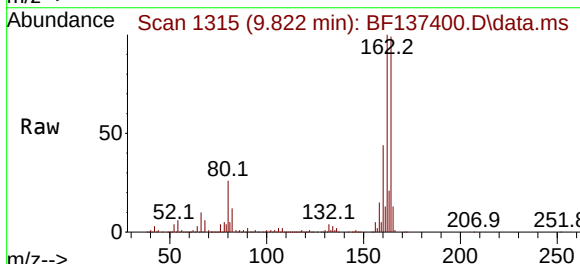
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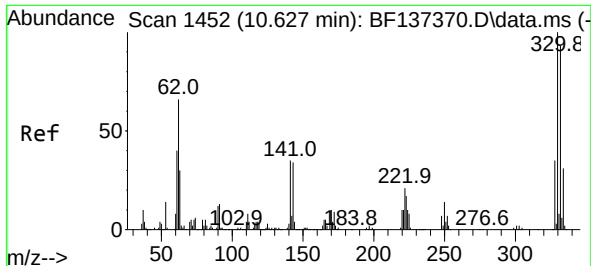
Tgt Ion:122 Resp: 261
Ion Ratio Lower Upper
122 100
105 286.5 101.1 141.1#
77 1156.4 82.8 122.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF137400.D
Acq: 27 Feb 2024 12:47

Tgt Ion:164 Resp: 586173
Ion Ratio Lower Upper
164 100
162 100.9 81.2 121.8
160 44.0 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 133.403 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF137400.D

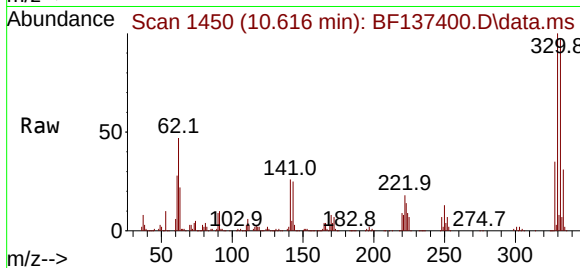
Acq: 27 Feb 2024 12:47

Instrument :

BNA_F

ClientSampleId :

PB159259BL



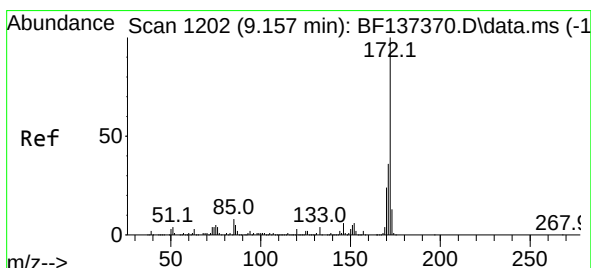
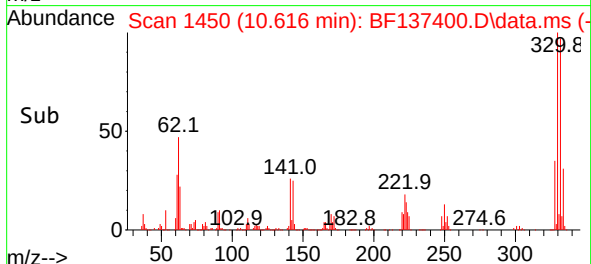
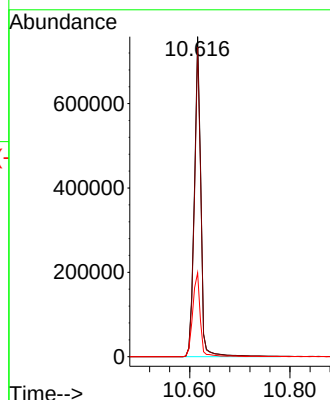
Tgt Ion:330 Resp: 680943

Ion Ratio Lower Upper

330 100

332 96.2 75.6 113.4

141 30.5 28.6 42.8



#45

2-Fluorobiphenyl

Concen: 76.469 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.012 min

Lab File: BF137400.D

Acq: 27 Feb 2024 12:47

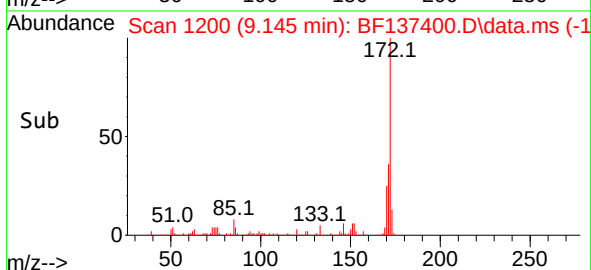
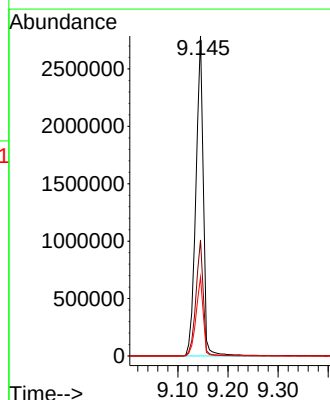
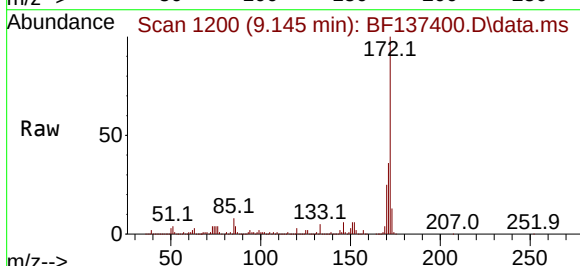
Tgt Ion:172 Resp: 2879177

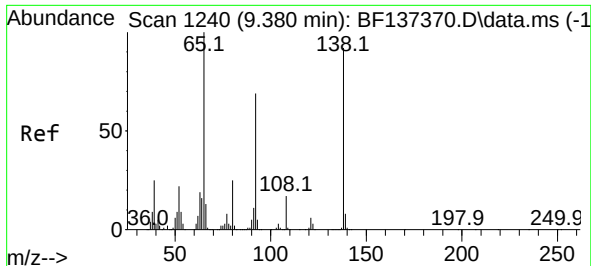
Ion Ratio Lower Upper

172 100

171 36.3 28.7 43.1

170 24.7 19.5 29.3

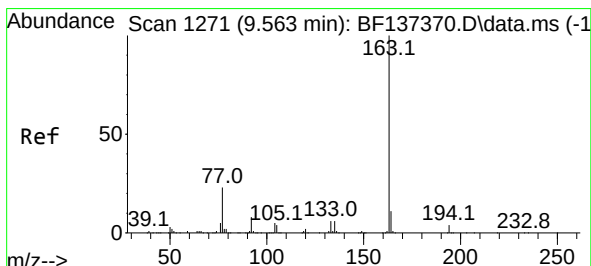
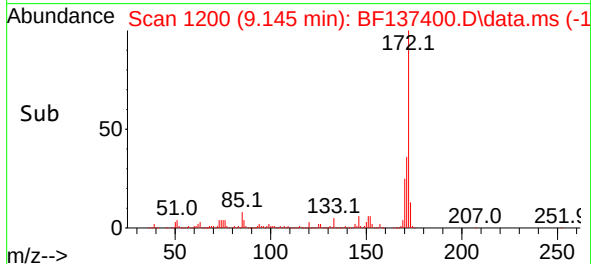
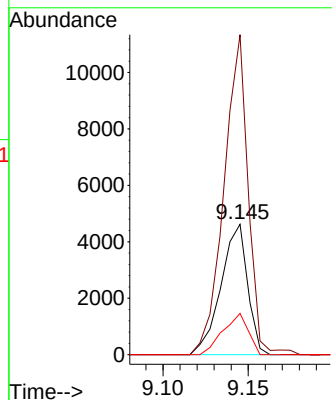
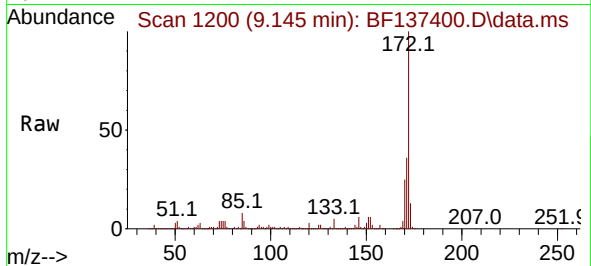




#48
2-Nitroaniline
Concen: 4.710 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.235 min
Lab File: BF137400.D
Acq: 27 Feb 2024 12:47

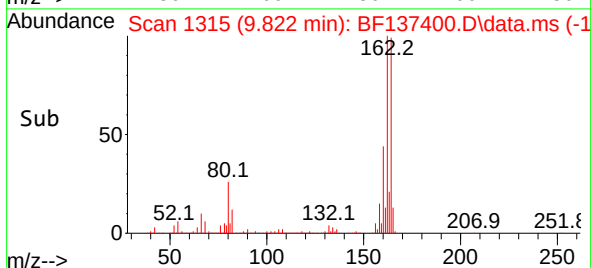
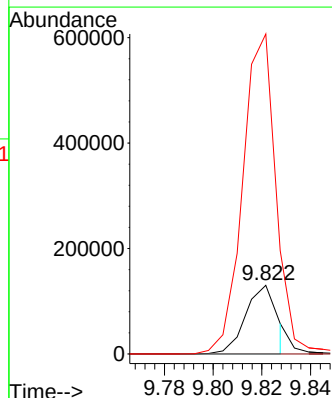
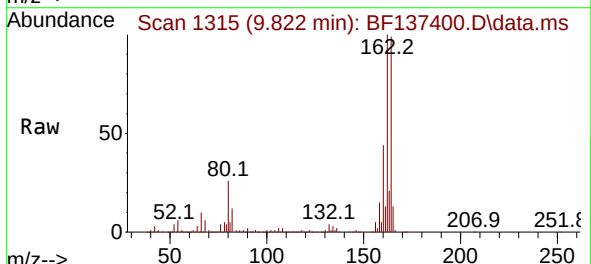
Instrument :
BNA_F
ClientSampleId :
PB159259BL

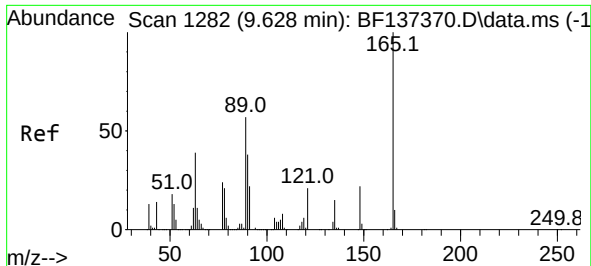
Tgt Ion: 65 Resp: 5015
Ion Ratio Lower Upper
65 100
92 245.2 55.0 82.6#
138 31.7 73.7 110.5#



#50
Dimethylphthalate
Concen: 2.881 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.259 min
Lab File: BF137400.D
Acq: 27 Feb 2024 12:47

Tgt Ion: 163 Resp: 116679
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 465.9 8.5 12.7#





#51

2,6-Dinitrotoluene

Concen: 10.001 ng

RT: 9.822 min Scan# 1315

Delta R.T. 0.194 min

Lab File: BF137400.D

Acq: 27 Feb 2024 12:47

Instrument :

BNA_F

ClientSampleId :

PB159259BL

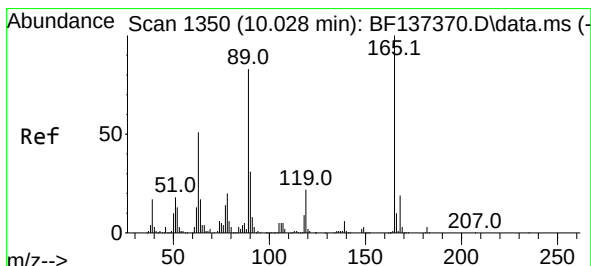
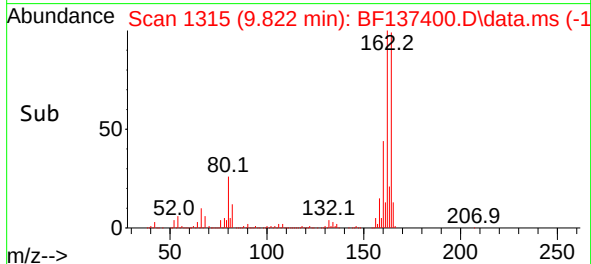
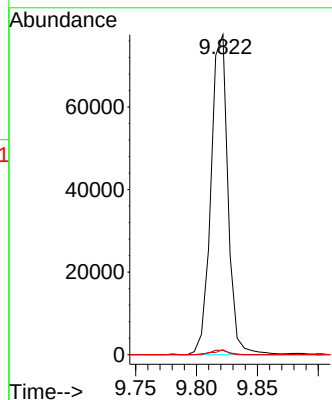
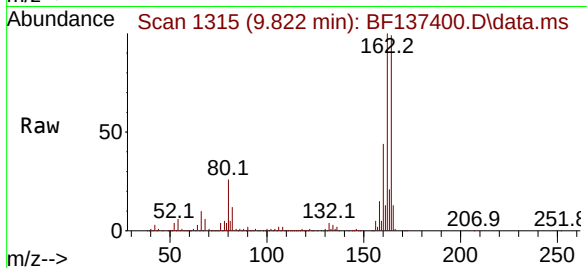
Tgt Ion:165 Resp: 75364

Ion Ratio Lower Upper

165 100

63 1.4 41.6 62.4#

89 1.5 45.8 68.6#



#57

2,4-Dinitrotoluene

Concen: 8.799 ng

RT: 9.822 min Scan# 1315

Delta R.T. -0.206 min

Lab File: BF137400.D

Acq: 27 Feb 2024 12:47

Tgt Ion:165 Resp: 75364

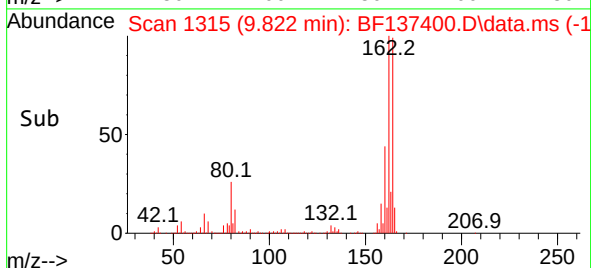
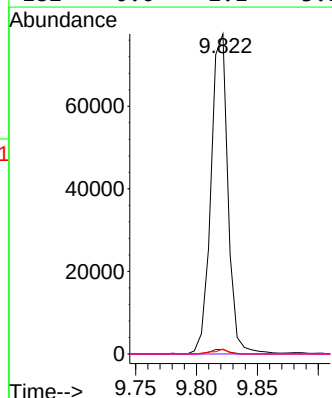
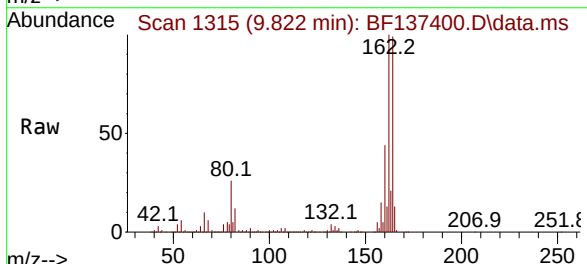
Ion Ratio Lower Upper

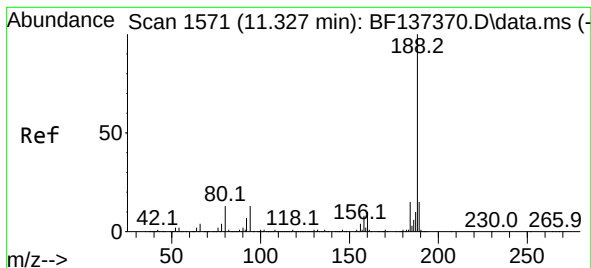
165 100

63 1.4 41.1 61.7#

89 1.5 66.6 100.0#

182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF137400.D

Acq: 27 Feb 2024 12:47

Instrument :

BNA_F

ClientSampleId :

PB159259BL

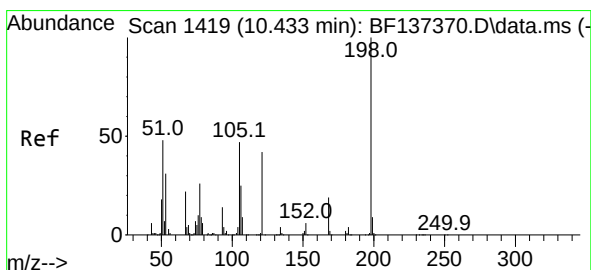
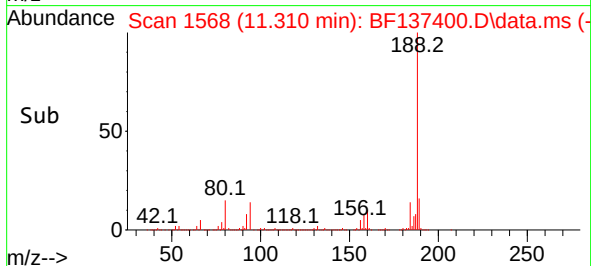
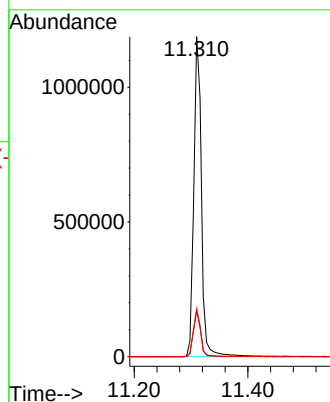
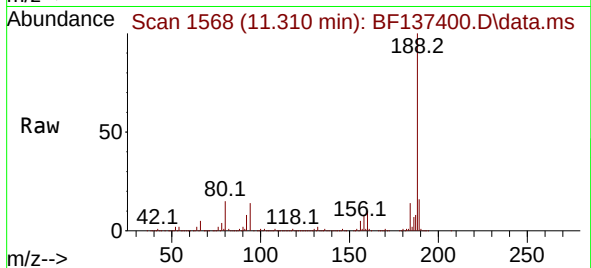
Tgt Ion:188 Resp: 1113216

Ion Ratio Lower Upper

188 100

94 14.4 10.2 15.2

80 15.0 10.7 16.1



#65

4,6-Dinitro-2-methylphenol

Concen: 4.785 ng

RT: 10.616 min Scan# 1450

Delta R.T. 0.183 min

Lab File: BF137400.D

Acq: 27 Feb 2024 12:47

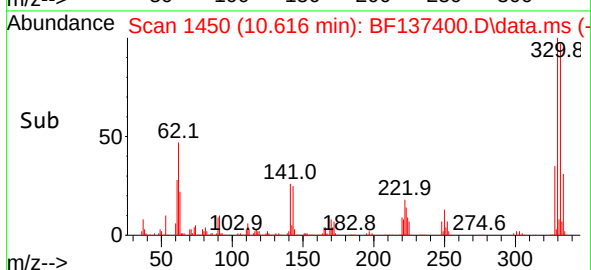
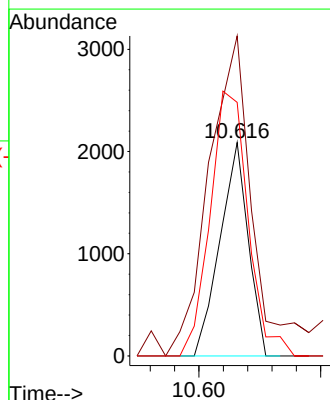
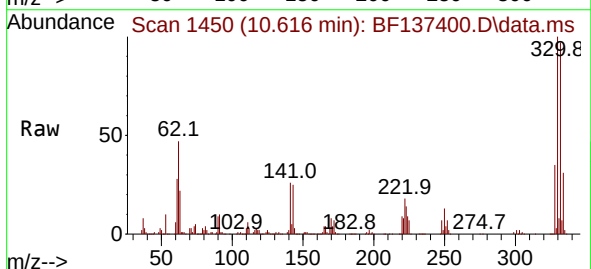
Tgt Ion:198 Resp: 1677

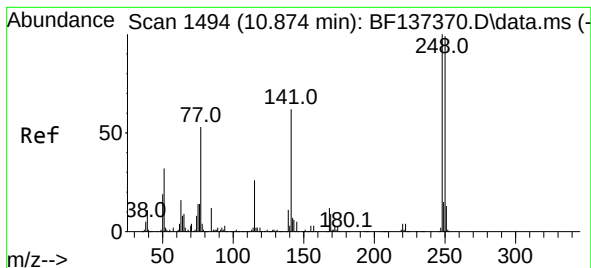
Ion Ratio Lower Upper

198 100

51 149.9 36.8 76.8#

105 118.8 28.5 68.5#

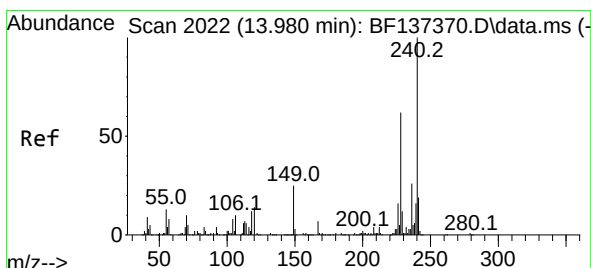
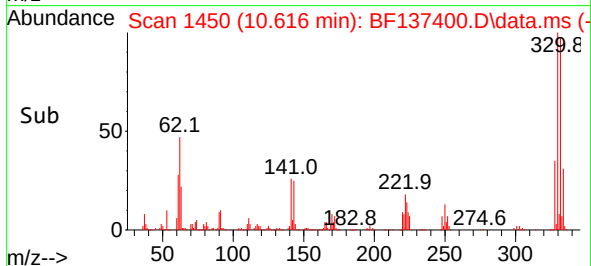
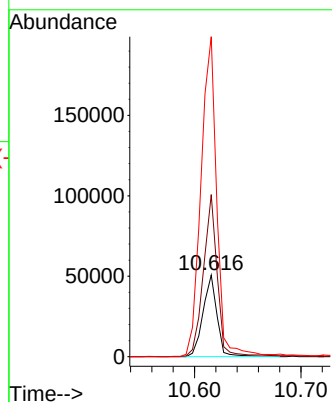
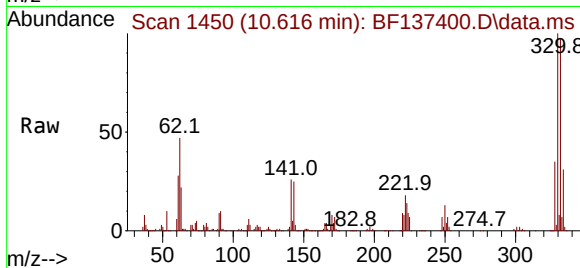




#67
4-Bromophenyl-phenylether
Concen: 3.891 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.259 min
Lab File: BF137400.D
Acq: 27 Feb 2024 12:47

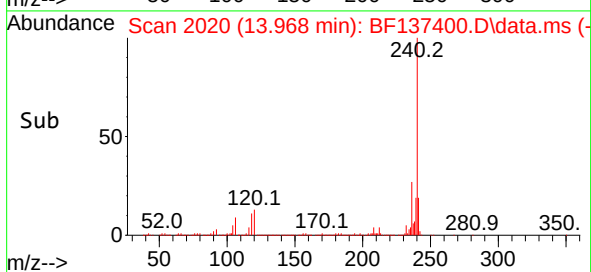
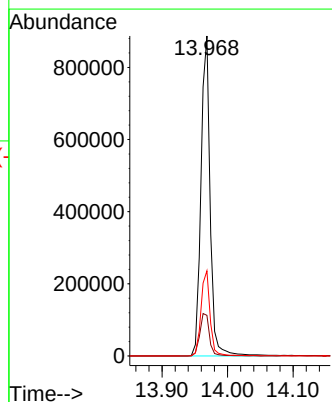
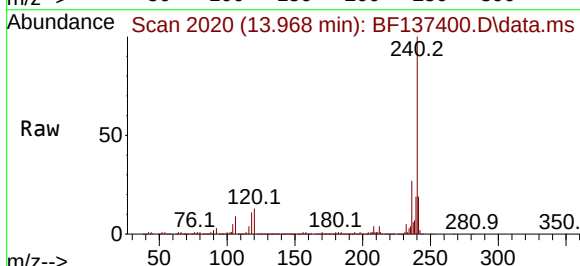
Instrument :
BNA_F
ClientSampleId :
PB159259BL

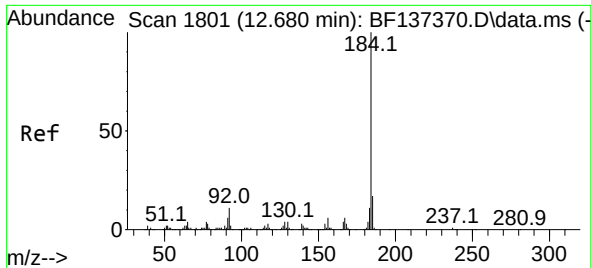
Tgt Ion:248 Resp: 46562
Ion Ratio Lower Upper
248 100
250 198.6 79.0 118.6#
141 391.9 49.9 74.9#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF137400.D
Acq: 27 Feb 2024 12:47

Tgt Ion:240 Resp: 865765
Ion Ratio Lower Upper
240 100
120 12.7 11.3 16.9
236 26.6 20.5 30.7

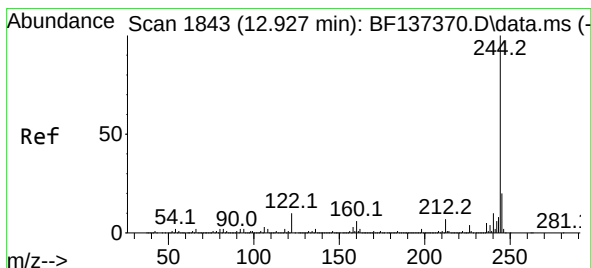
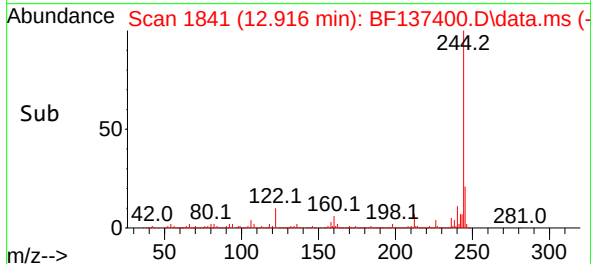
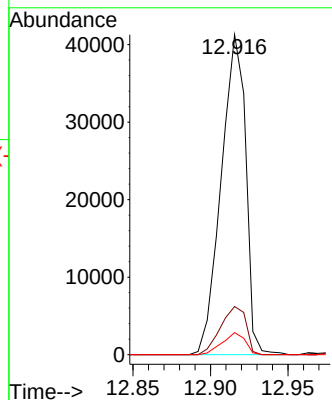
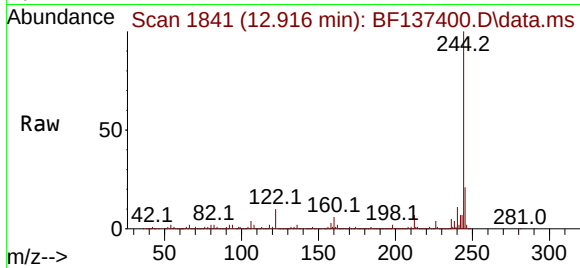




#77
Benzidine
Concen: 9.567 ng
RT: 12.916 min Scan# 1841
Delta R.T. 0.236 min
Lab File: BF137400.D
Acq: 27 Feb 2024 12:47

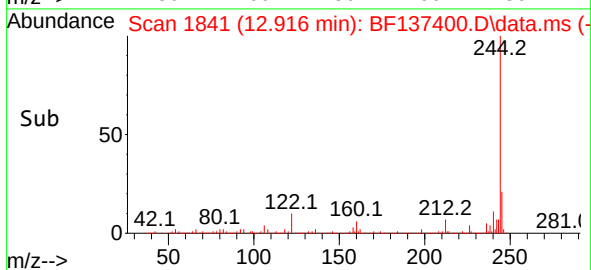
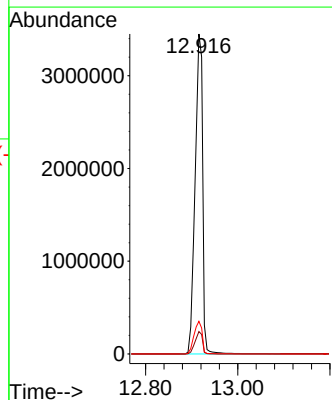
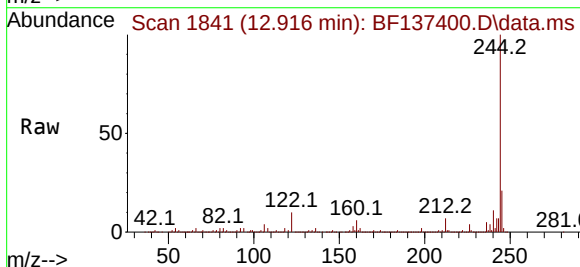
Instrument :
BNA_F
ClientSampleId :
PB159259BL

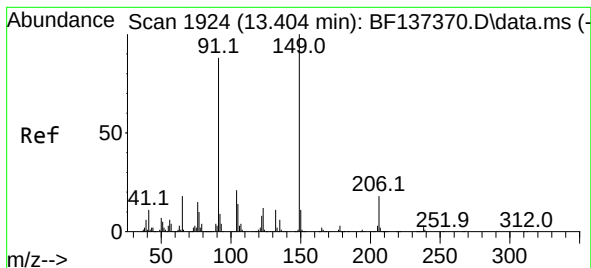
Tgt Ion:184 Resp: 45488
Ion Ratio Lower Upper
184 100
185 15.0 13.7 20.5
183 6.9 8.8 13.2#



#79
Terphenyl-d14
Concen: 62.926 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.012 min
Lab File: BF137400.D
Acq: 27 Feb 2024 12:47

Tgt Ion:244 Resp: 3895023
Ion Ratio Lower Upper
244 100
212 7.0 5.3 7.9
122 10.2 8.2 12.4





#80

Butylbenzylphthalate

Concen: 4.023 ng

RT: 13.451 min Scan# 1924

Delta R.T. 0.047 min

Lab File: BF137400.D

Acq: 27 Feb 2024 12:47

Instrument :

BNA_F

ClientSampleId :

PB159259BL

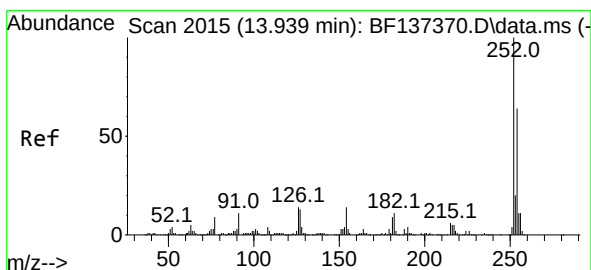
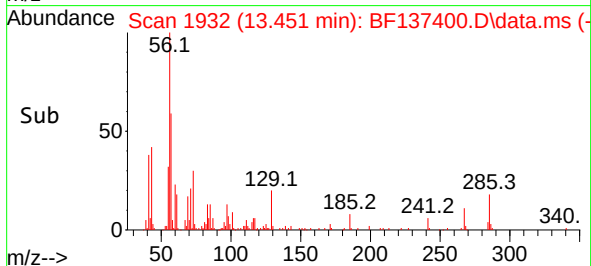
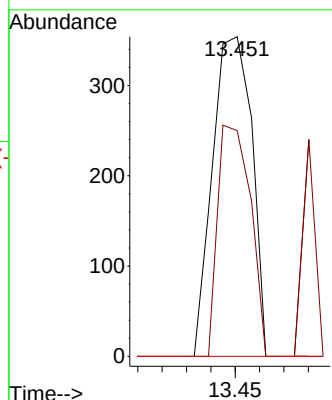
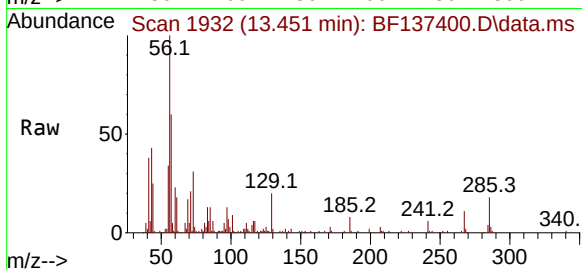
Tgt Ion:149 Resp: 397

Ion Ratio Lower Upper

149 100

91 70.6 70.5 105.7

206 0.0 14.8 22.2#



#82

3,3'-Dichlorobenzidine

Concen: 5.040 ng

RT: 13.939 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF137400.D

Acq: 27 Feb 2024 12:47

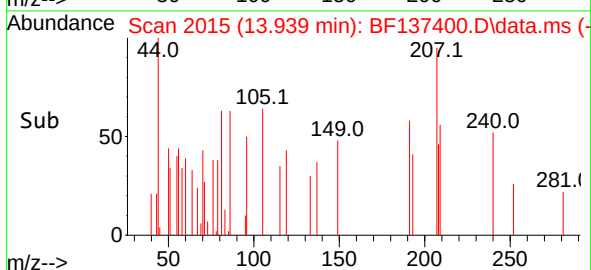
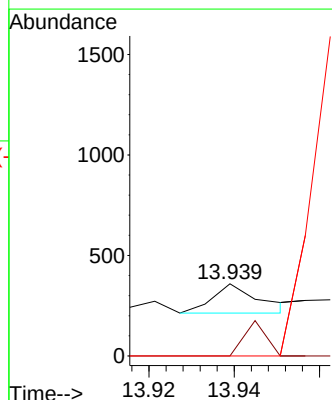
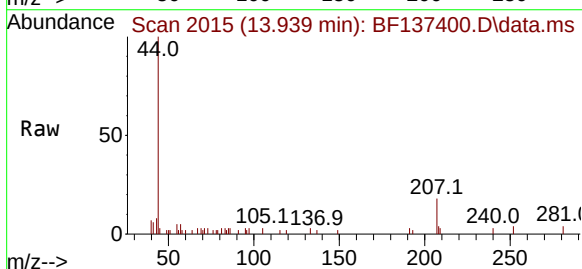
Tgt Ion:252 Resp: 110

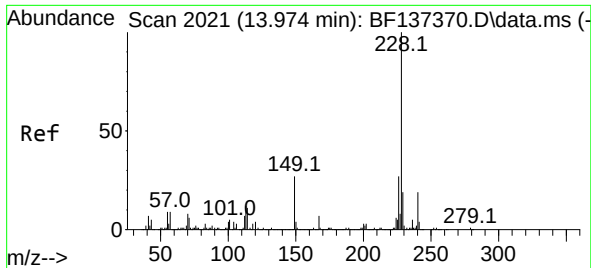
Ion Ratio Lower Upper

252 100

254 0.0 51.2 76.8#

126 0.0 11.1 16.7#

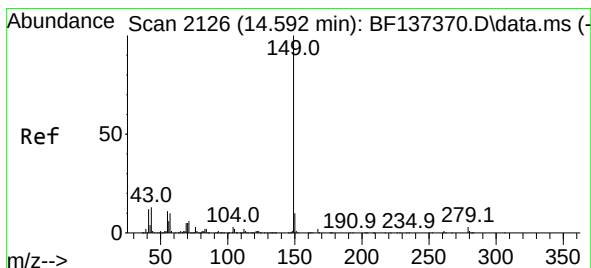
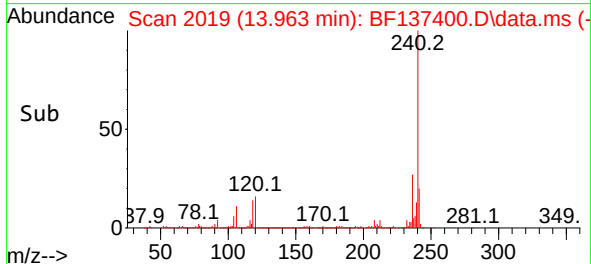
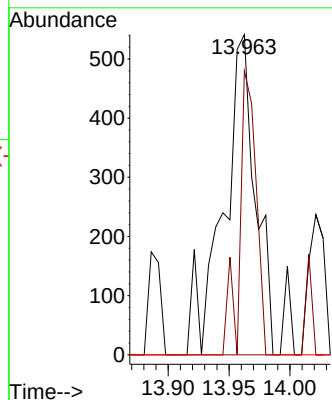
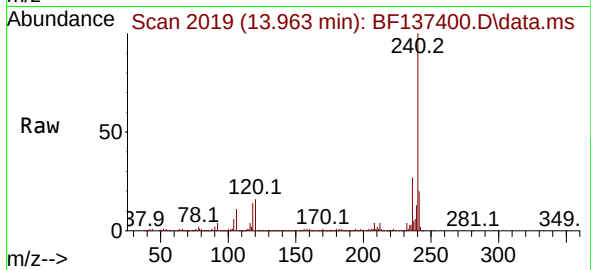




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.159 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. -0.011 min
 Lab File: BF137400.D
 Acq: 27 Feb 2024 12:47

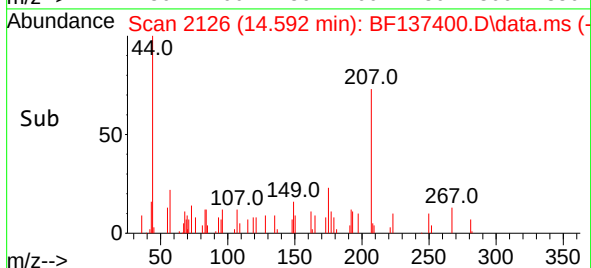
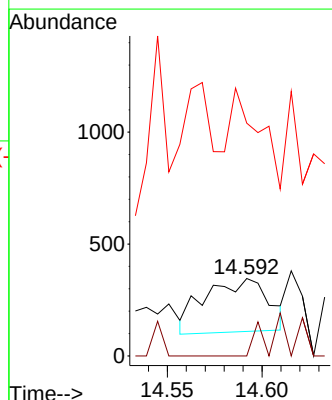
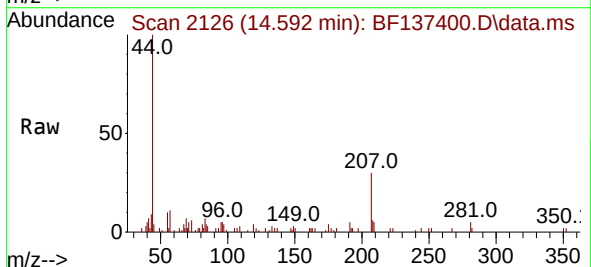
Instrument :
 BNA_F
 ClientSampleId :
 PB159259BL

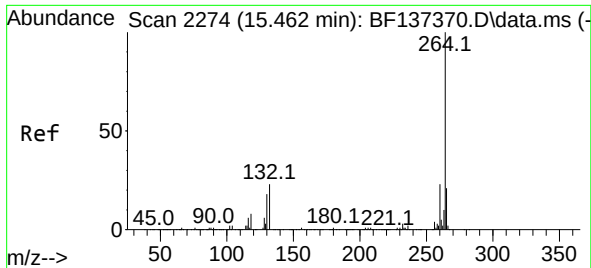
Tgt Ion:149 Resp: 995
 Ion Ratio Lower Upper
 149 100
 167 88.7 20.6 31.0#
 279 0.0 2.7 4.1#



#85
 Di-n-octyl phthalate
 Concen: 6.025 ng
 RT: 14.592 min Scan# 2126
 Delta R.T. -0.000 min
 Lab File: BF137400.D
 Acq: 27 Feb 2024 12:47

Tgt Ion:149 Resp: 554
 Ion Ratio Lower Upper
 149 100
 167 9.7 1.2 1.8#
 43 90.1 13.7 20.5#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF137400.D
Acq: 27 Feb 2024 12:47

Instrument :
BNA_F
ClientSampleId :
PB159259BL

Tgt Ion:264 Resp: 713828
Ion Ratio Lower Upper
264 100
260 24.2 18.5 27.7
265 21.3 16.9 25.3

