

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022724\
 Data File : BF137403.D
 Acq On : 27 Feb 2024 14:15
 Operator : CG\JU
 Sample : SP6438
 Misc : 625.1 SURROGATE SOLUTION
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP6438

Quant Time: Feb 27 14:56:52 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)

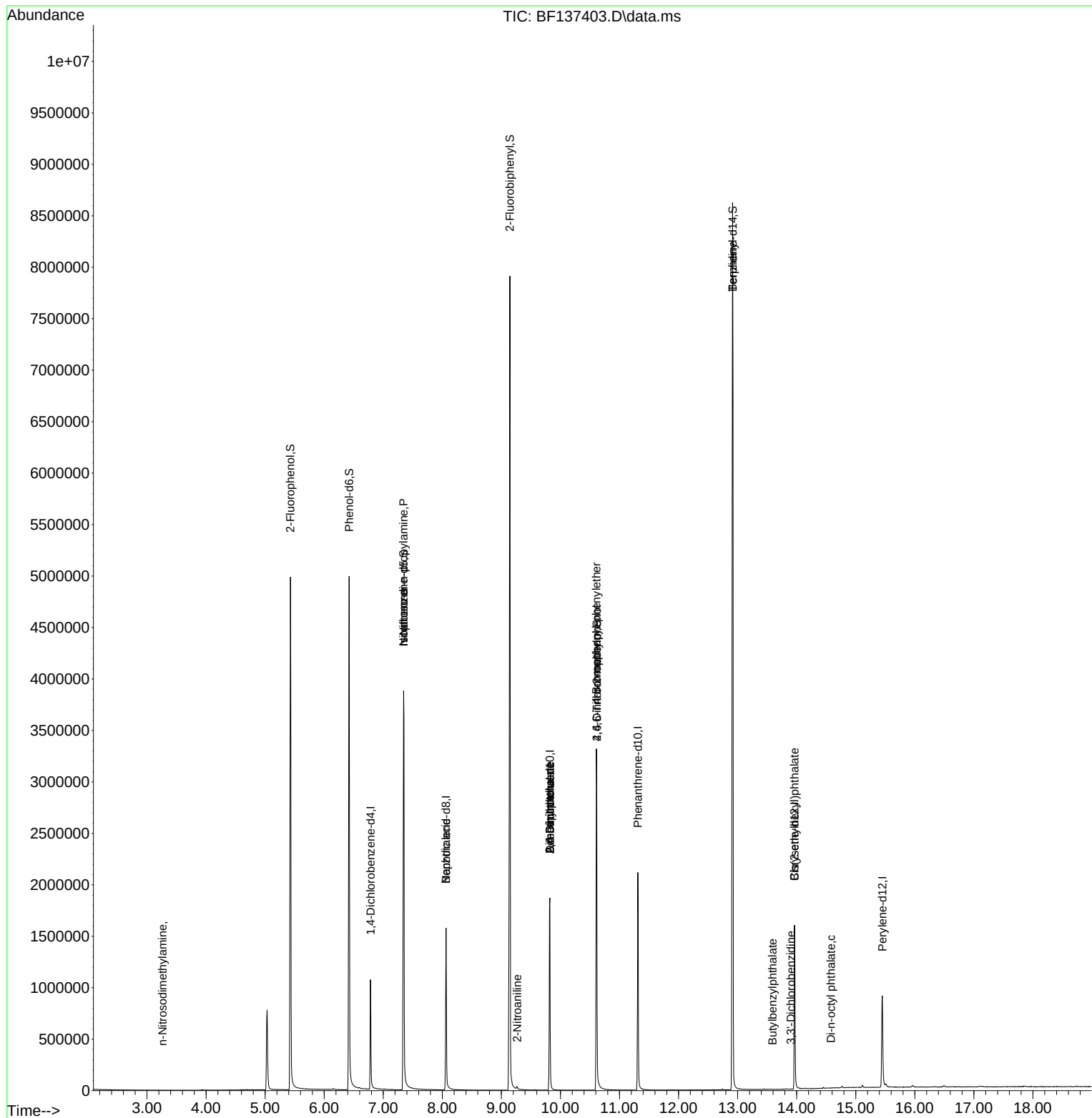
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	179386	20.000	ng	-0.02
21) Naphthalene-d8	8.063	136	751614	20.000	ng	-0.02
39) Acenaphthene-d10	9.822	164	420811	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	781185	20.000	ng	-0.02
76) Chrysene-d12	13.963	240	582294	20.000	ng	-0.02
86) Perylene-d12	15.451	264	461171	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	1418198	121.989	ng	0.00
7) Phenol-d6	6.422	99	1914069	111.924	ng	-0.02
23) Nitrobenzene-d5	7.345	82	1680529	111.626	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	418471	114.198	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	2742128	101.449	ng	-0.01
79) Terphenyl-d14	12.916	244	3523269	84.630	ng	-0.01
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.263	42	367	5.161	ng	# 1
19) n-Nitroso-di-n-propyla...	7.345	70	221255	20.995	ng	# 81
25) Isophorone	7.345	82	1680521	53.978	ng	# 69
32) Benzoic acid	8.063	122	73	6.960	ng	# 1
48) 2-Nitroaniline	9.269	65	256	4.276	ng	# 9
50) Dimethylphthalate	9.822	163	79995	2.751	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	54166	10.013	ng	# 26
57) 2,4-Dinitrotoluene	9.822	165	54167	8.808	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.616	198	914	4.723	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	28568	3.402	ng	# 1
77) Benzidine	12.916	184	41032	10.465	ng	# 93
80) Butylbenzylphthalate	13.592	149	61	3.990	ng	# 15
82) 3,3'-Dichlorobenzidine	13.904	252	58	5.039	ng	# 27
84) Bis(2-ethylhexyl)phtha...	13.963	149	202	4.107	ng	# 1
85) Di-n-octyl phthalate	14.580	149	87	6.001	ng	# 63

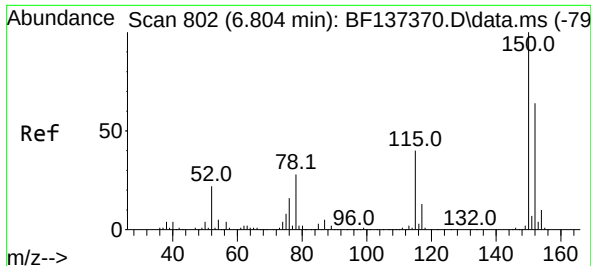
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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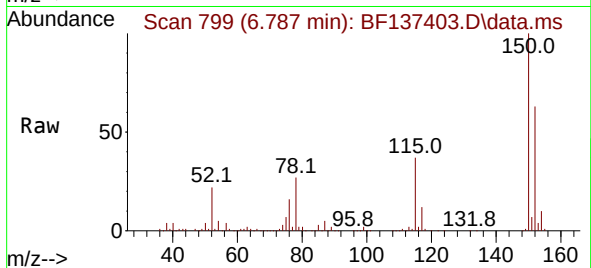
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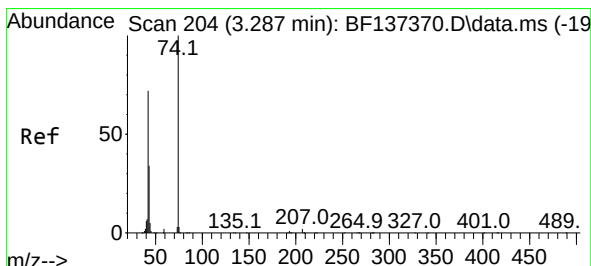
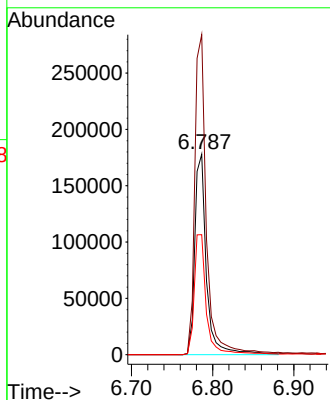
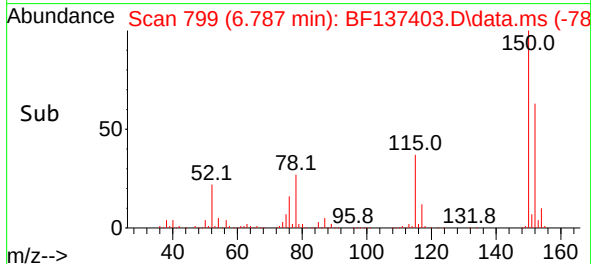


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.017 min
Lab File: BF137403.D
Acq: 27 Feb 2024 14:15

Instrument :
BNA_F
ClientSampleId :
SP6438

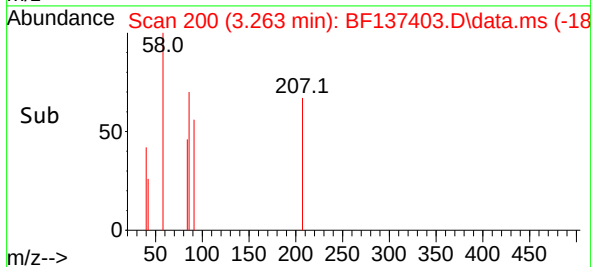
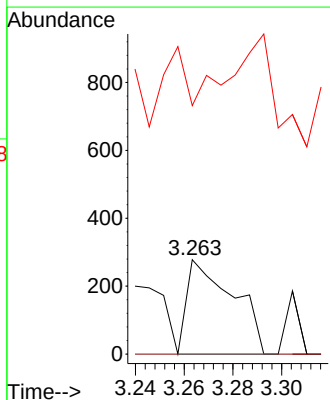
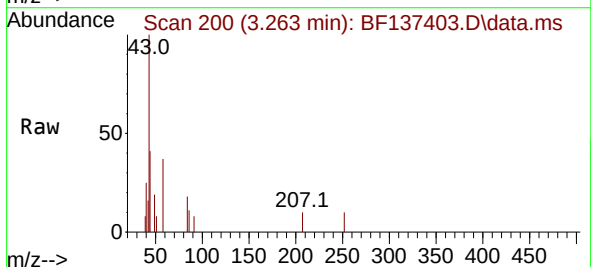


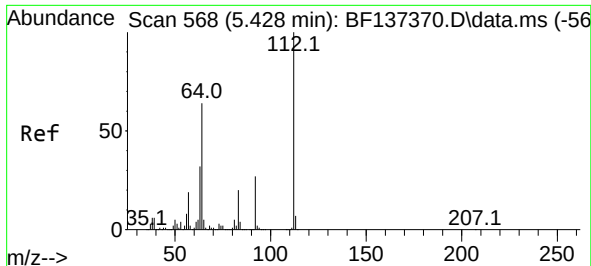
Tgt Ion:152 Resp: 179386
Ion Ratio Lower Upper
152 100
150 159.6 125.7 188.5
115 59.8 49.8 74.8



#4
n-Nitrosodimethylamine
Concen: 5.161 ng
RT: 3.263 min Scan# 200
Delta R.T. -0.024 min
Lab File: BF137403.D
Acq: 27 Feb 2024 14:15

Tgt Ion: 42 Resp: 367
Ion Ratio Lower Upper
42 100
74 0.0 110.8 166.2#
44 263.3 6.0 9.0#

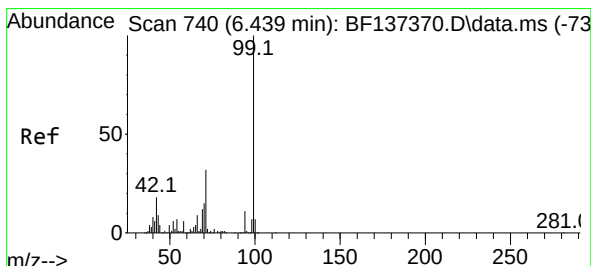
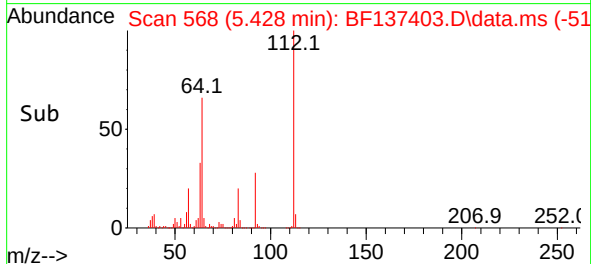
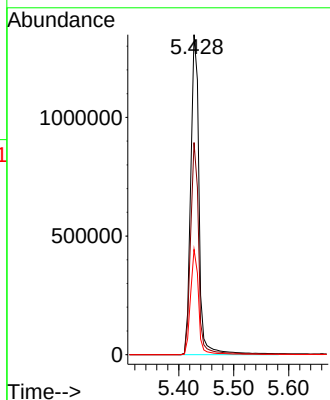
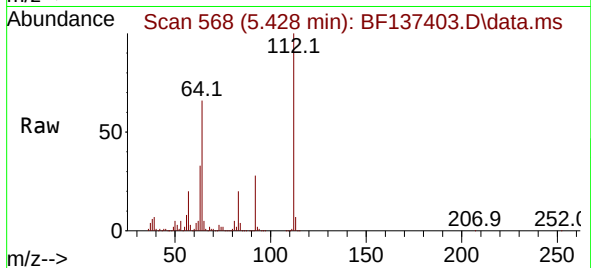




#5
2-Fluorophenol
Concen: 121.989 ng
RT: 5.428 min Scan# 501
Delta R.T. 0.000 min
Lab File: BF137403.D
Acq: 27 Feb 2024 14:15

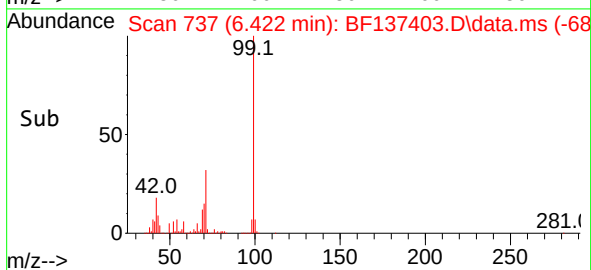
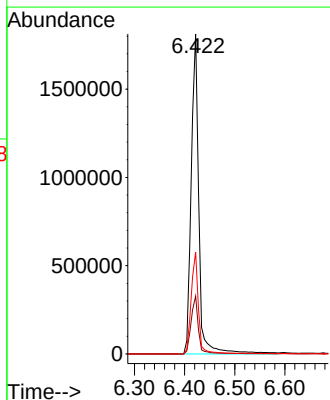
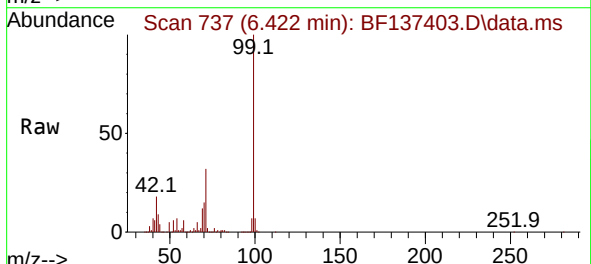
Instrument :
BNA_F
ClientSampleId :
SP6438

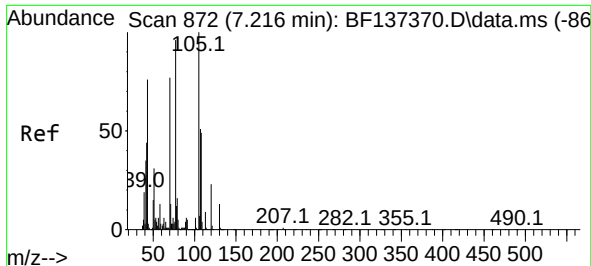
Tgt Ion:112 Resp: 1418198
Ion Ratio Lower Upper
112 100
64 66.3 51.0 76.6
63 32.9 25.7 38.5



#7
Phenol-d6
Concen: 111.924 ng
RT: 6.422 min Scan# 737
Delta R.T. -0.018 min
Lab File: BF137403.D
Acq: 27 Feb 2024 14:15

Tgt Ion: 99 Resp: 1914069
Ion Ratio Lower Upper
99 100
42 18.1 14.2 21.4
71 31.9 25.2 37.8

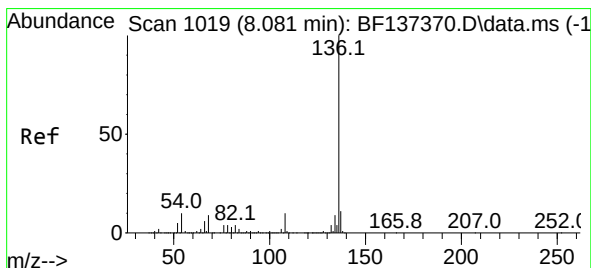
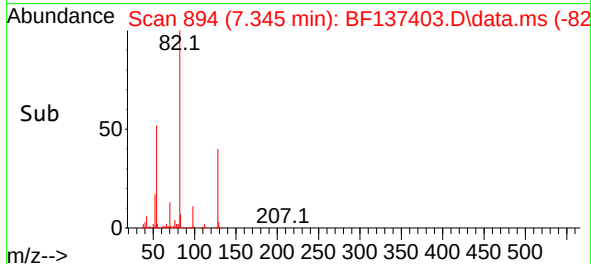
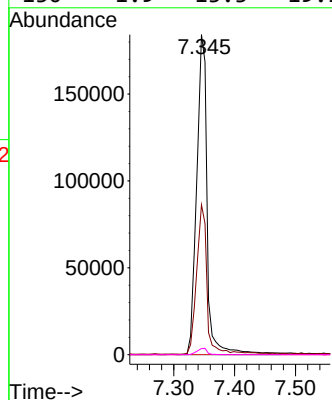
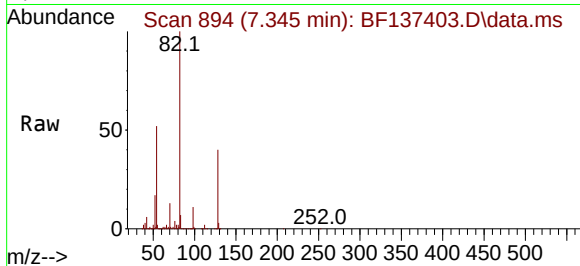




#19
n-Nitroso-di-n-propylamine
Concen: 20.995 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.129 min
Lab File: BF137403.D
Acq: 27 Feb 2024 14:15

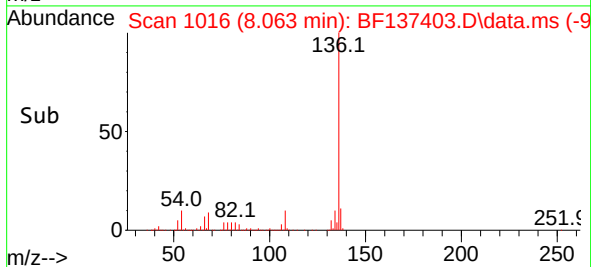
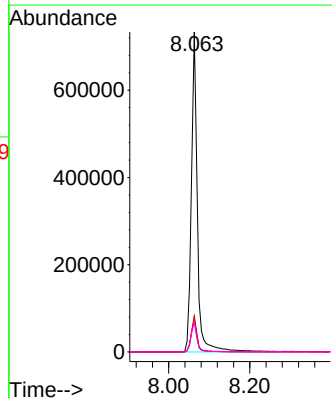
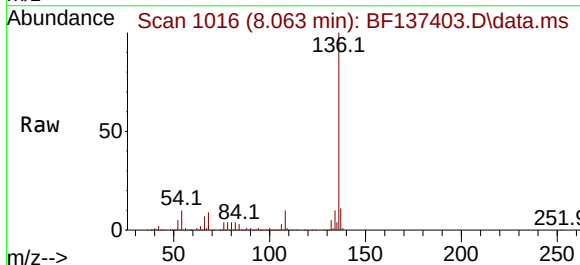
Instrument :
BNA_F
ClientSampleId :
SP6438

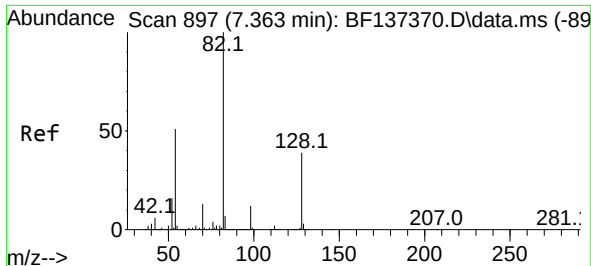
Tgt Ion: 70 Resp: 221255
Ion Ratio Lower Upper
70 100
42 46.9 45.3 67.9
101 0.0 6.5 9.7#
130 1.9 13.3 19.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF137403.D
Acq: 27 Feb 2024 14:15

Tgt Ion:136 Resp: 751614
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 10.4 7.8 11.6
68 9.3 7.0 10.4





#23

Nitrobenzene-d5

Concen: 111.626 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.018 min

Lab File: BF137403.D

Acq: 27 Feb 2024 14:15

Instrument :

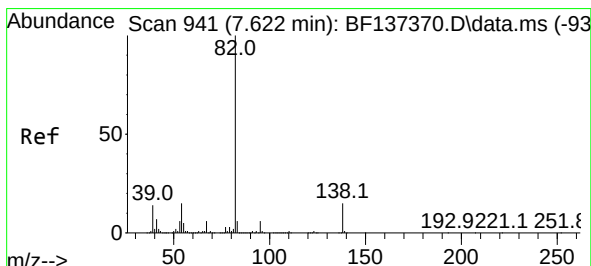
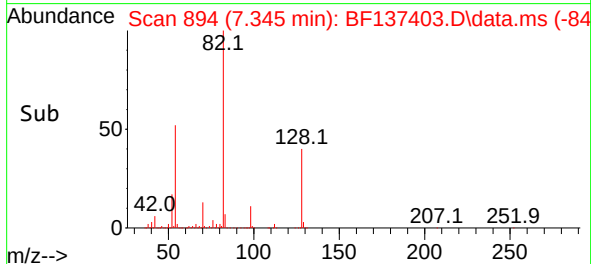
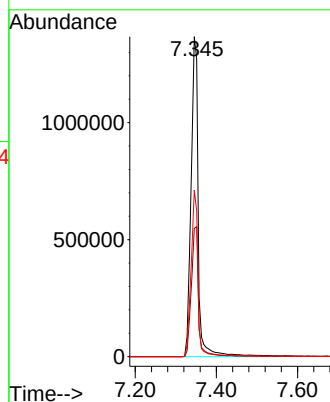
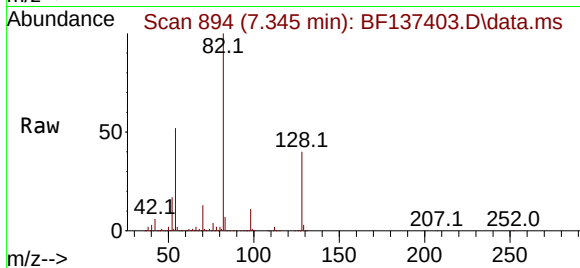
BNA_F

ClientSampleId :

SP6438

Tgt Ion: 82 Resp: 1680529

Ion	Ratio	Lower	Upper
82	100		
128	40.1	30.8	46.2
54	52.1	40.8	61.2



#25

Isophorone

Concen: 53.978 ng

RT: 7.345 min Scan# 894

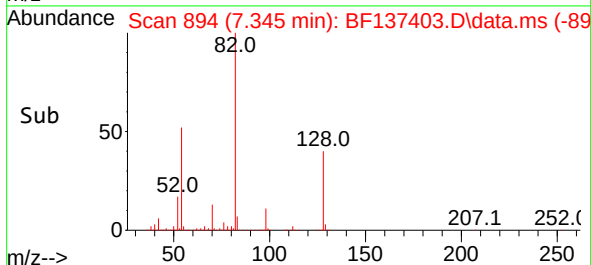
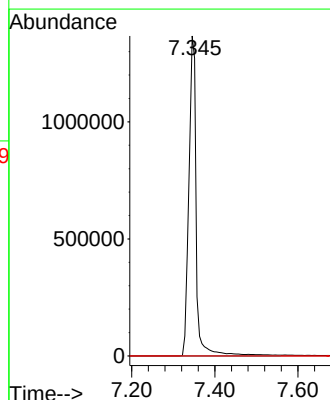
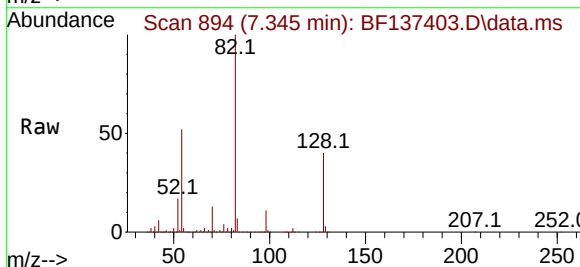
Delta R.T. -0.276 min

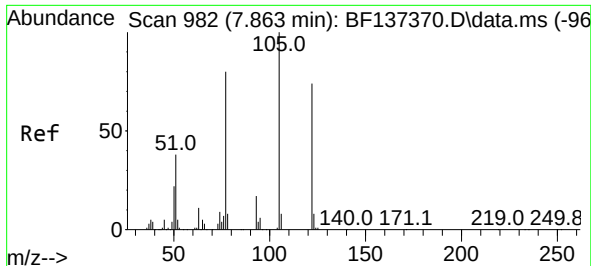
Lab File: BF137403.D

Acq: 27 Feb 2024 14:15

Tgt Ion: 82 Resp: 1680521

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

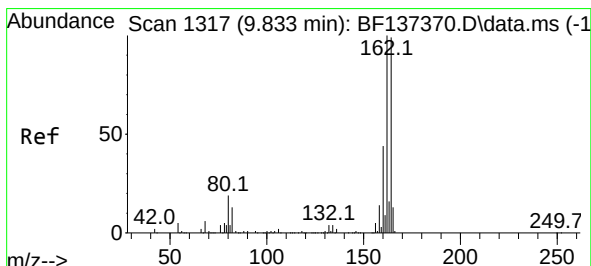
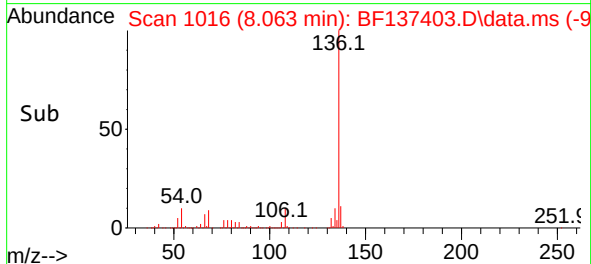
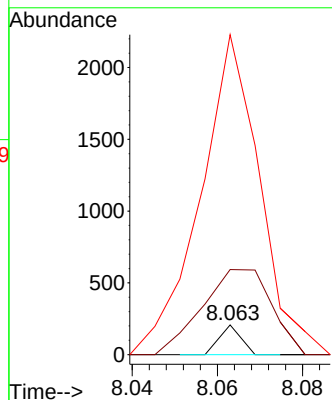
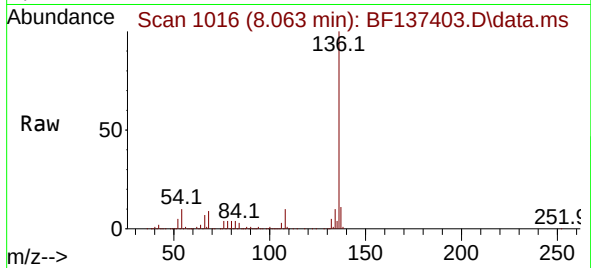




#32
Benzoic acid
Concen: 6.960 ng
RT: 8.063 min Scan# 1016
Delta R.T. 0.200 min
Lab File: BF137403.D
Acq: 27 Feb 2024 14:15

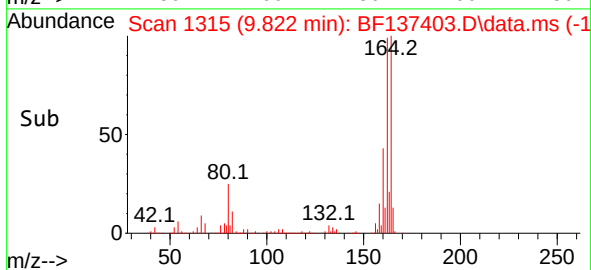
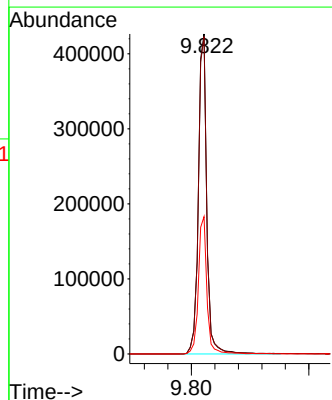
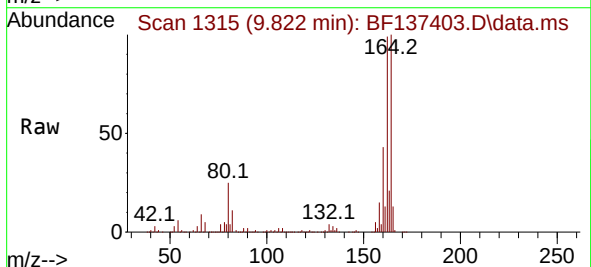
Instrument :
BNA_F
ClientSampleId :
SP6438

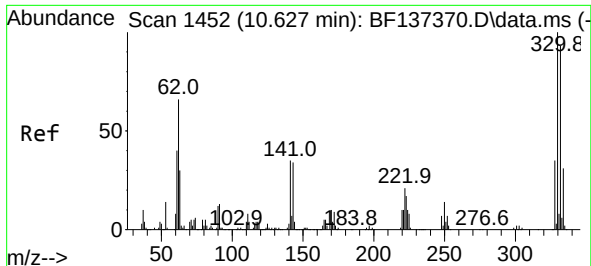
Tgt Ion:122 Resp: 73
Ion Ratio Lower Upper
122 100
105 286.5 101.1 141.1#
77 1076.8 82.8 122.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF137403.D
Acq: 27 Feb 2024 14:15

Tgt Ion:164 Resp: 420811
Ion Ratio Lower Upper
164 100
162 99.2 81.2 121.8
160 42.9 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 114.198 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF137403.D

Acq: 27 Feb 2024 14:15

Instrument :

BNA_F

ClientSampleId :

SP6438

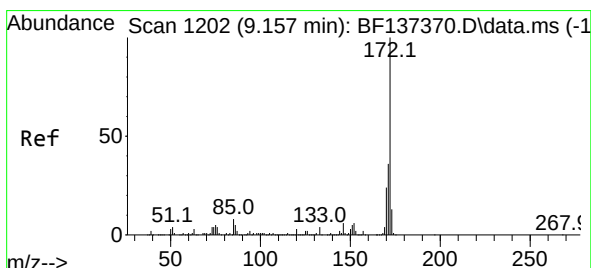
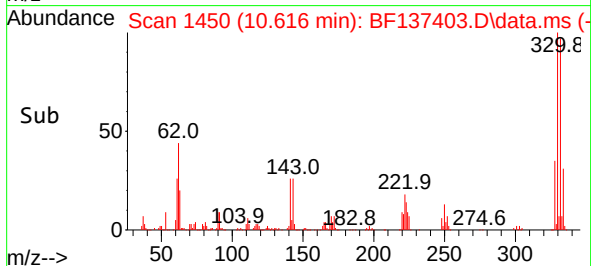
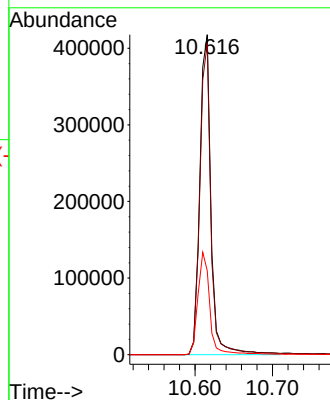
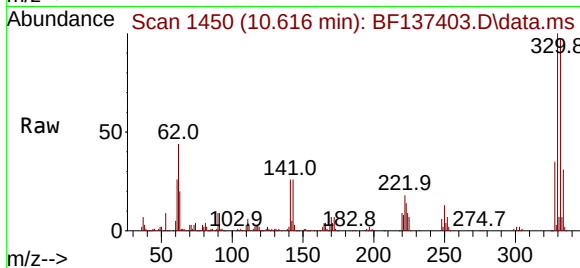
Tgt Ion:330 Resp: 418471

Ion Ratio Lower Upper

330 100

332 97.3 75.6 113.4

141 34.1 28.6 42.8



#45

2-Fluorobiphenyl

Concen: 101.449 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.012 min

Lab File: BF137403.D

Acq: 27 Feb 2024 14:15

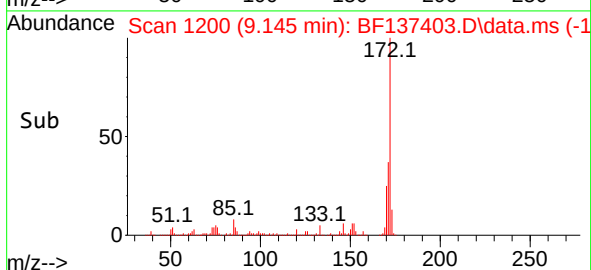
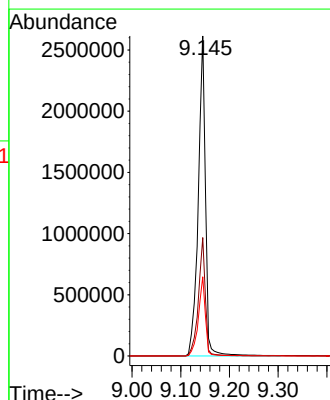
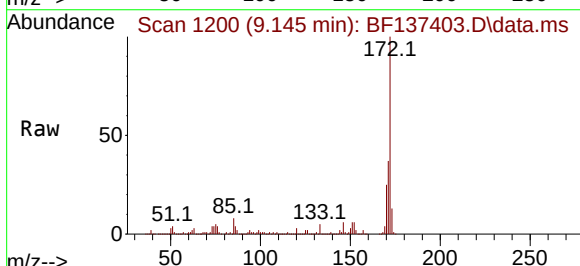
Tgt Ion:172 Resp: 2742128

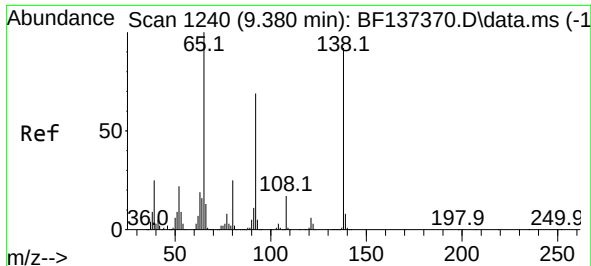
Ion Ratio Lower Upper

172 100

171 37.0 28.7 43.1

170 24.7 19.5 29.3

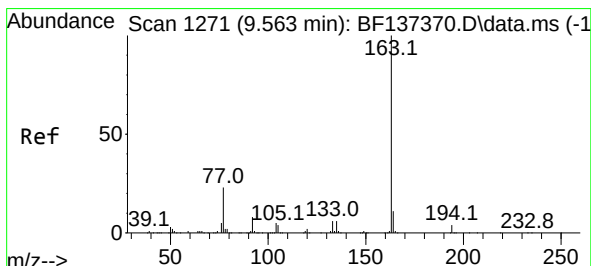
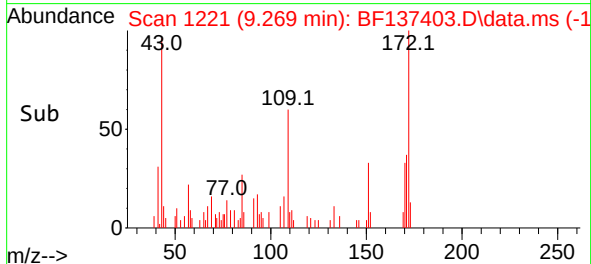
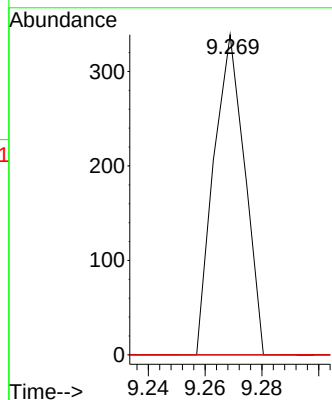
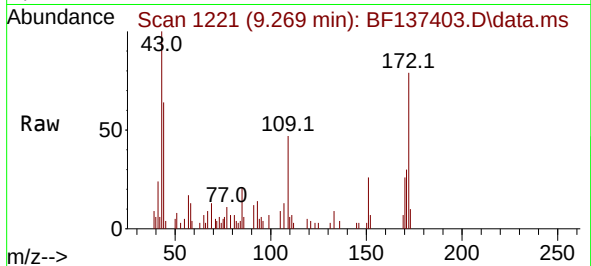




#48
2-Nitroaniline
Concen: 4.276 ng
RT: 9.269 min Scan# 11
Delta R.T. -0.111 min
Lab File: BF137403.D
Acq: 27 Feb 2024 14:15

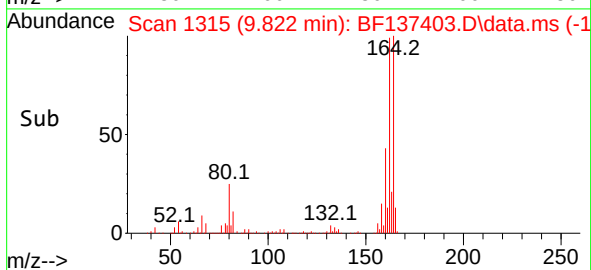
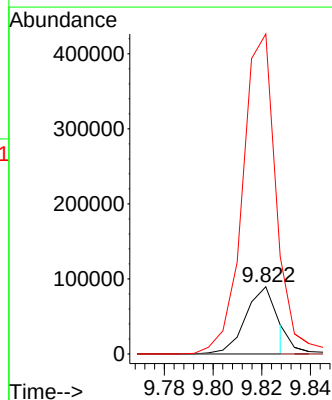
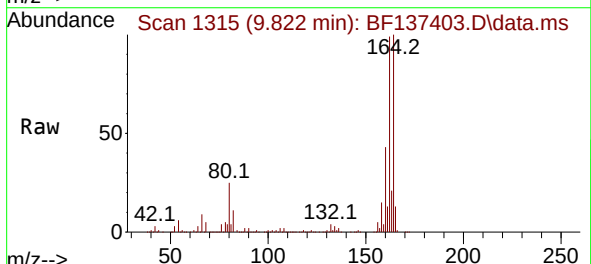
Instrument :
BNA_F
ClientSampleId :
SP6438

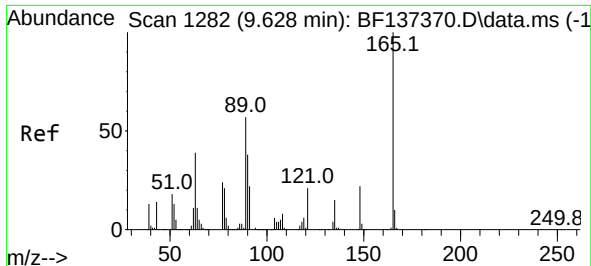
Tgt Ion: 65 Resp: 256
Ion Ratio Lower Upper
65 100
92 0.0 55.0 82.6#
138 0.0 73.7 110.5#



#50
Dimethylphthalate
Concen: 2.751 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.259 min
Lab File: BF137403.D
Acq: 27 Feb 2024 14:15

Tgt Ion: 163 Resp: 79995
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 475.7 8.5 12.7#

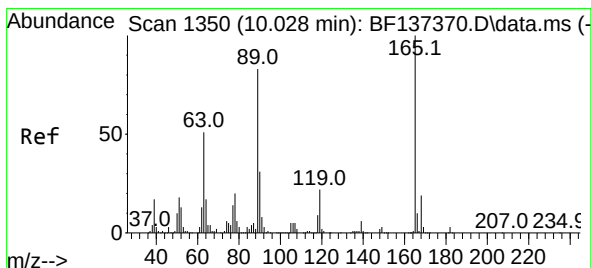
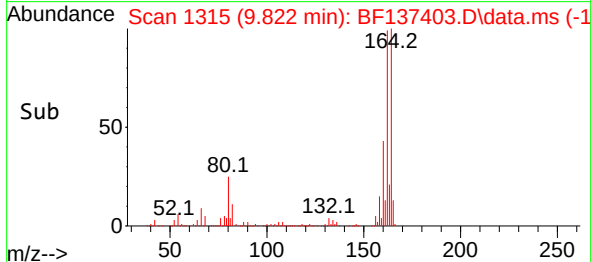
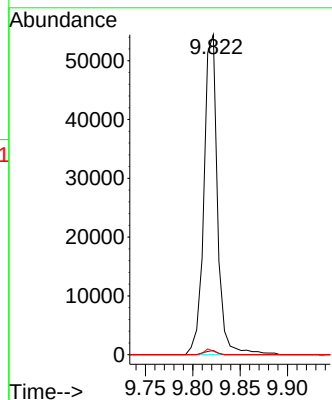
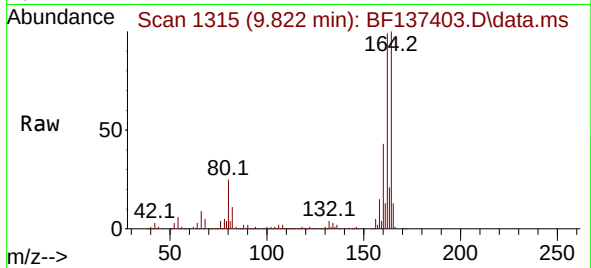




#51
2,6-Dinitrotoluene
Concen: 10.013 ng
RT: 9.822 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF137403.D
Acq: 27 Feb 2024 14:15

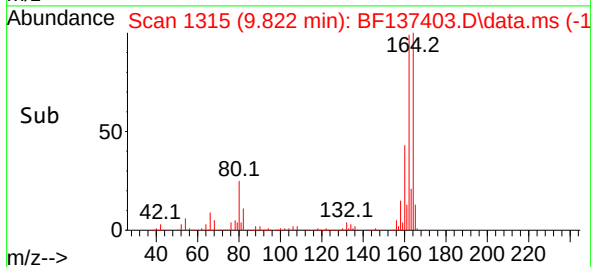
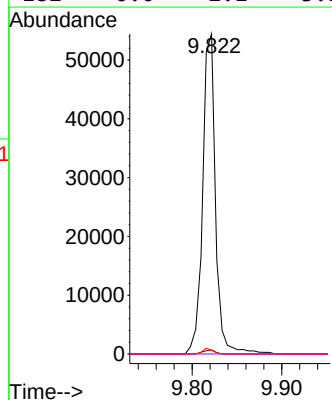
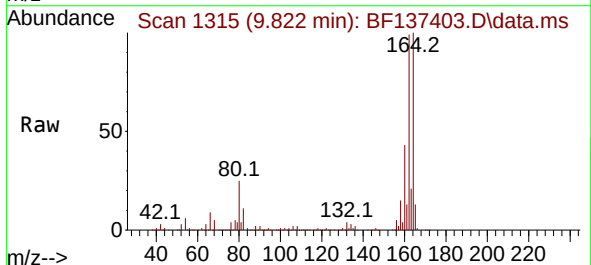
Instrument :
BNA_F
ClientSampleId :
SP6438

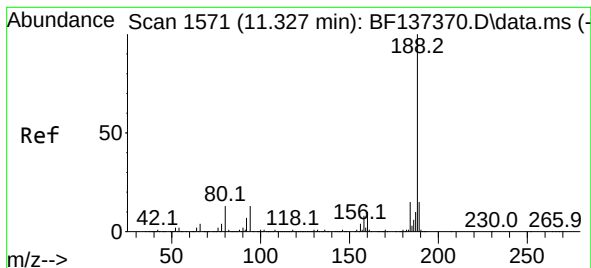
Tgt Ion:165 Resp: 54166
Ion Ratio Lower Upper
165 100
63 1.3 41.6 62.4#
89 1.1 45.8 68.6#



#57
2,4-Dinitrotoluene
Concen: 8.808 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.206 min
Lab File: BF137403.D
Acq: 27 Feb 2024 14:15

Tgt Ion:165 Resp: 54167
Ion Ratio Lower Upper
165 100
63 1.3 41.1 61.7#
89 1.1 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: BF137403.D

Acq: 27 Feb 2024 14:15

Instrument :

BNA_F

ClientSampleId :

SP6438

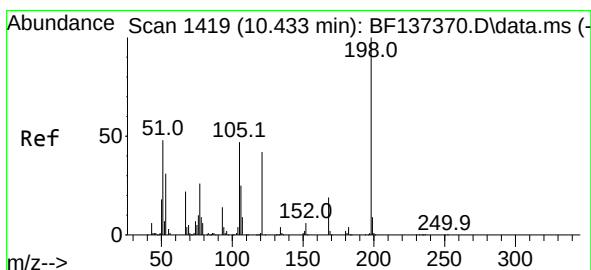
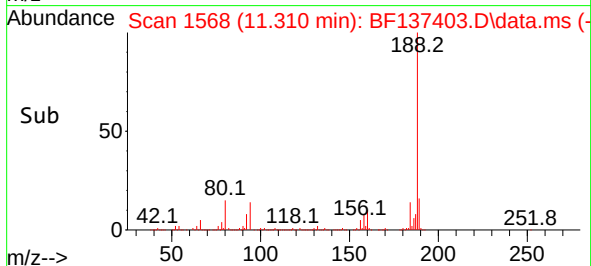
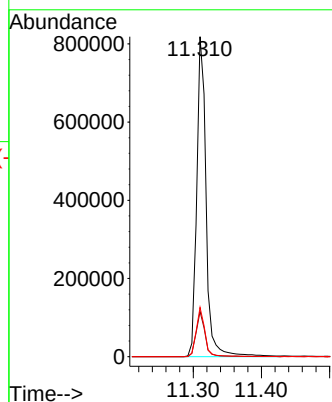
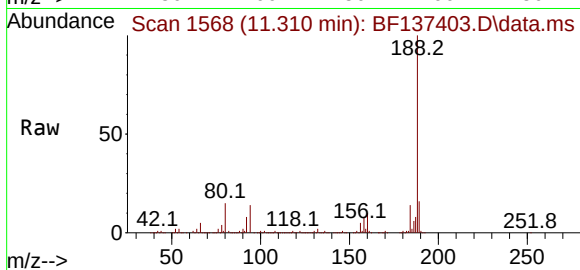
Tgt Ion:188 Resp: 781185

Ion Ratio Lower Upper

188 100

94 14.1 10.2 15.2

80 15.4 10.7 16.1



#65

4,6-Dinitro-2-methylphenol

Concen: 4.723 ng

RT: 10.616 min Scan# 1450

Delta R.T. 0.183 min

Lab File: BF137403.D

Acq: 27 Feb 2024 14:15

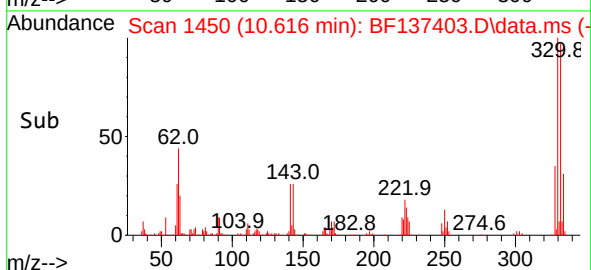
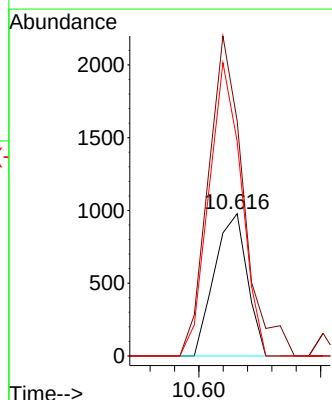
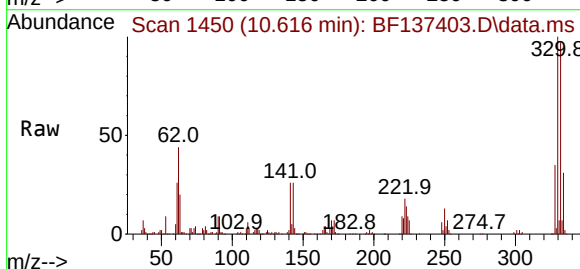
Tgt Ion:198 Resp: 914

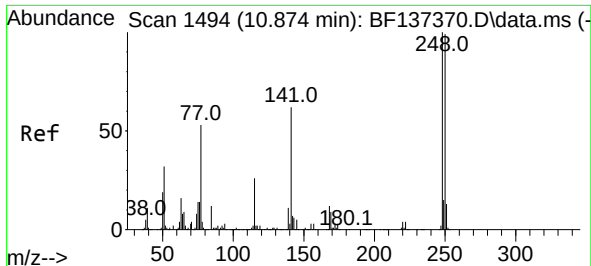
Ion Ratio Lower Upper

198 100

51 165.3 36.8 76.8#

105 151.0 28.5 68.5#

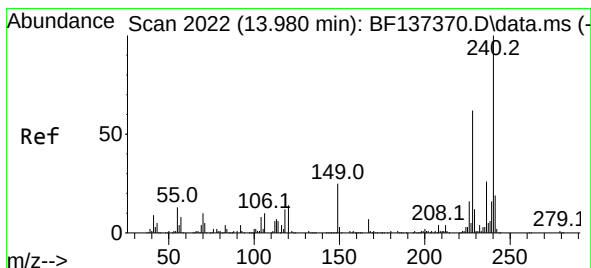
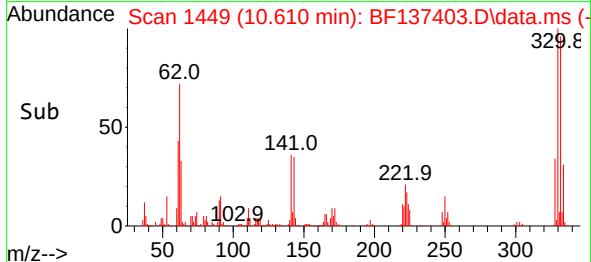
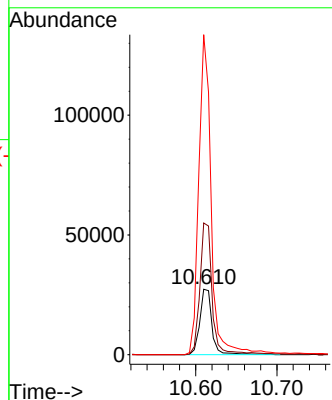
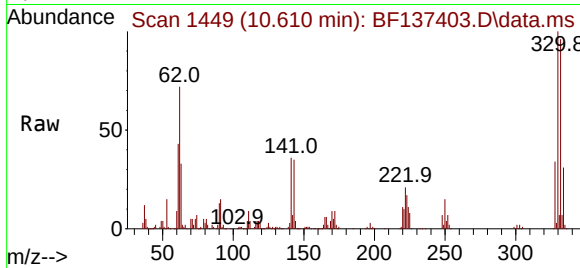




#67
4-Bromophenyl-phenylether
Concen: 3.402 ng
RT: 10.610 min Scan# 1494
Delta R.T. -0.265 min
Lab File: BF137403.D
Acq: 27 Feb 2024 14:15

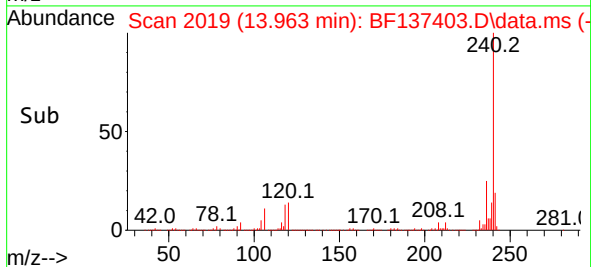
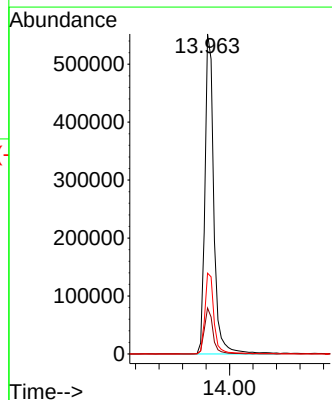
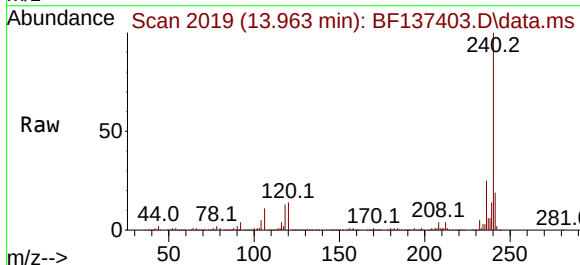
Instrument :
BNA_F
ClientSampleId :
SP6438

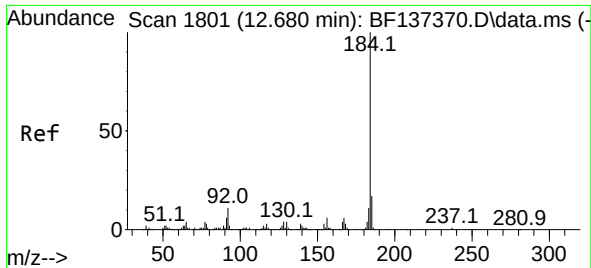
Tgt Ion:248 Resp: 28568
Ion Ratio Lower Upper
248 100
250 201.0 79.0 118.6#
141 488.4 49.9 74.9#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.018 min
Lab File: BF137403.D
Acq: 27 Feb 2024 14:15

Tgt Ion:240 Resp: 582294
Ion Ratio Lower Upper
240 100
120 14.4 11.3 16.9
236 25.2 20.5 30.7

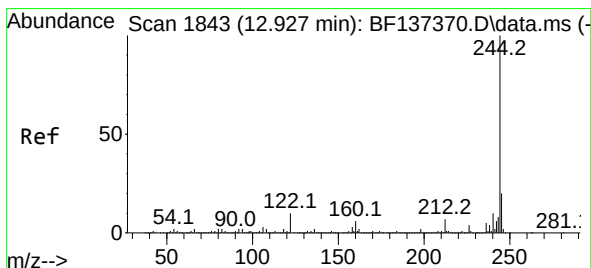
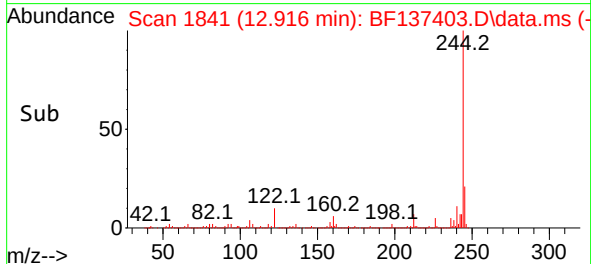
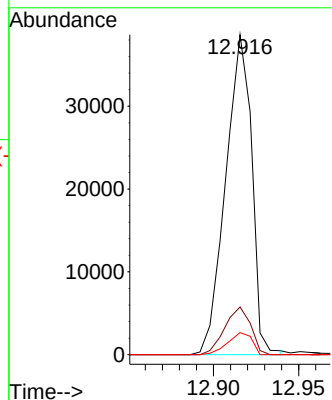
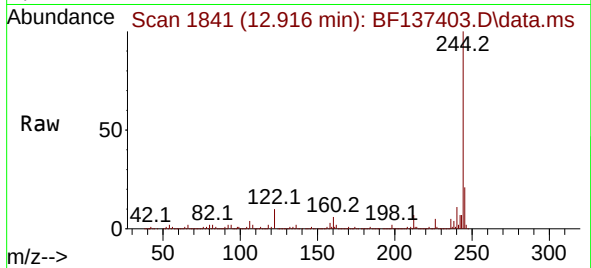




#77
Benzidine
Concen: 10.465 ng
RT: 12.916 min Scan# 1841
Delta R.T. 0.236 min
Lab File: BF137403.D
Acq: 27 Feb 2024 14:15

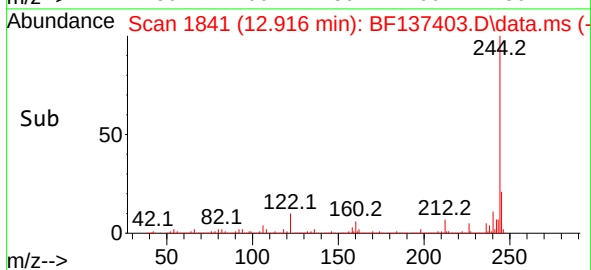
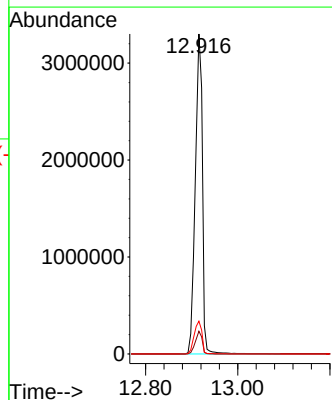
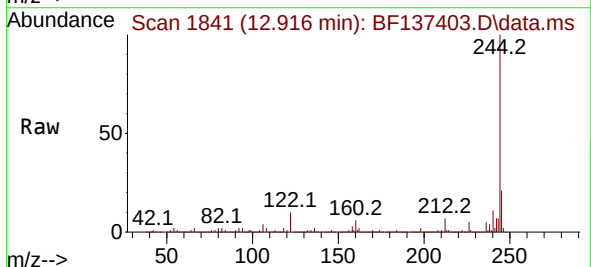
Instrument :
BNA_F
ClientSampleId :
SP6438

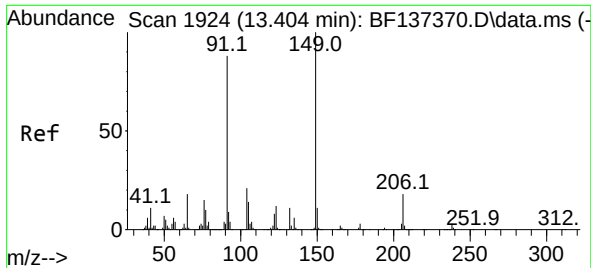
Tgt Ion:184 Resp: 41032
Ion Ratio Lower Upper
184 100
185 14.9 13.7 20.5
183 6.9 8.8 13.2#



#79
Terphenyl-d14
Concen: 84.630 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.012 min
Lab File: BF137403.D
Acq: 27 Feb 2024 14:15

Tgt Ion:244 Resp: 3523269
Ion Ratio Lower Upper
244 100
212 7.1 5.3 7.9
122 10.3 8.2 12.4

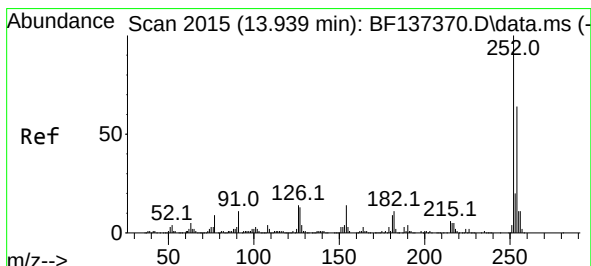
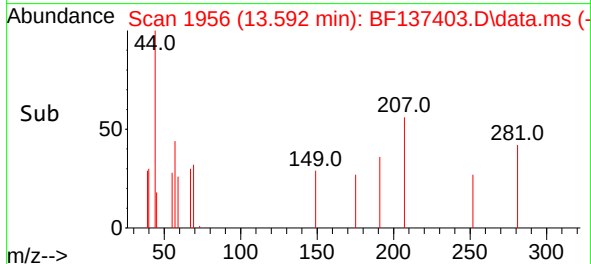
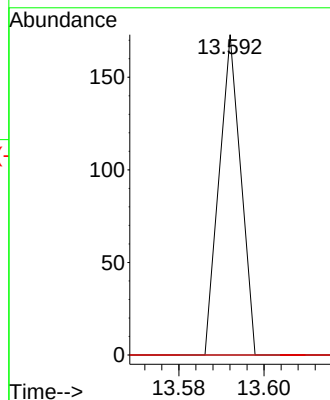
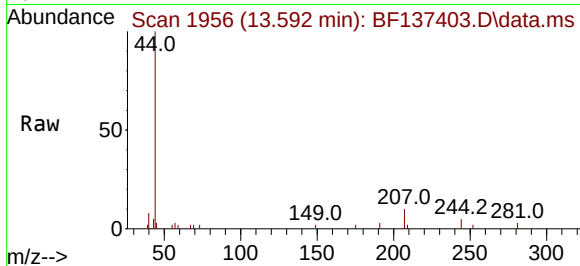




#80
Butylbenzylphthalate
Concen: 3.990 ng
RT: 13.592 min Scan# 1924
Delta R.T. 0.188 min
Lab File: BF137403.D
Acq: 27 Feb 2024 14:15

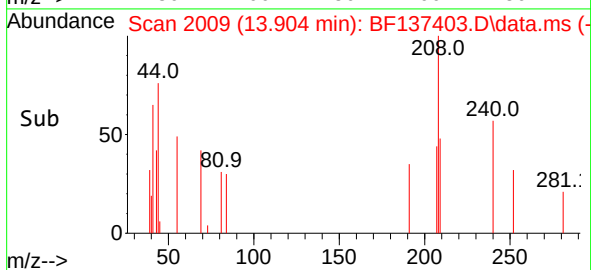
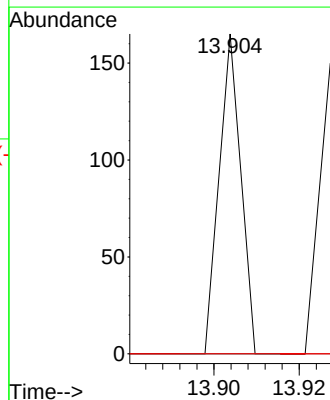
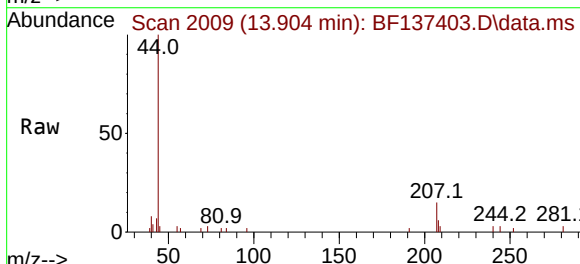
Instrument :
BNA_F
ClientSampleId :
SP6438

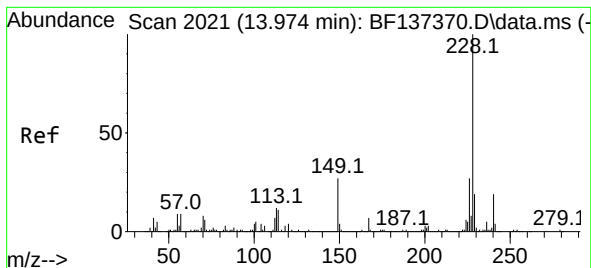
Tgt Ion:149 Resp: 61
Ion Ratio Lower Upper
149 100
91 0.0 70.5 105.7#
206 0.0 14.8 22.2#



#82
3,3'-Dichlorobenzidine
Concen: 5.039 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.035 min
Lab File: BF137403.D
Acq: 27 Feb 2024 14:15

Tgt Ion:252 Resp: 58
Ion Ratio Lower Upper
252 100
254 0.0 51.2 76.8#
126 0.0 11.1 16.7#

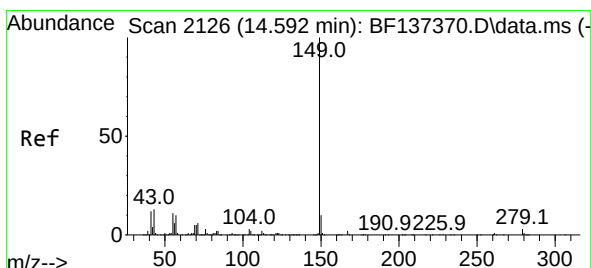
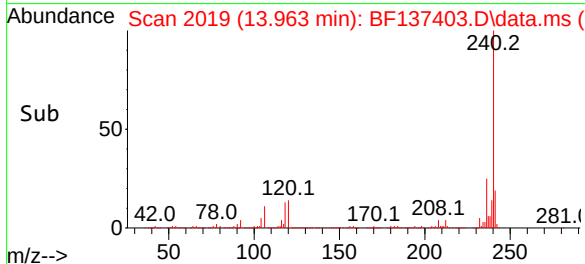
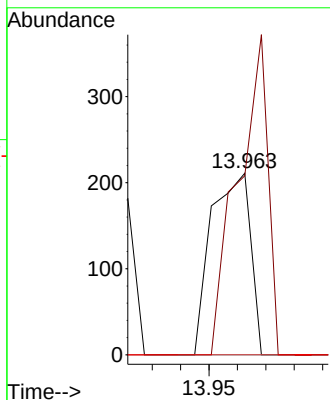
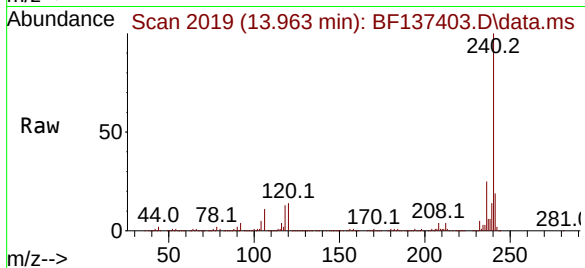




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.107 ng
RT: 13.963 min Scan# 2021
Delta R.T. -0.011 min
Lab File: BF137403.D
Acq: 27 Feb 2024 14:15

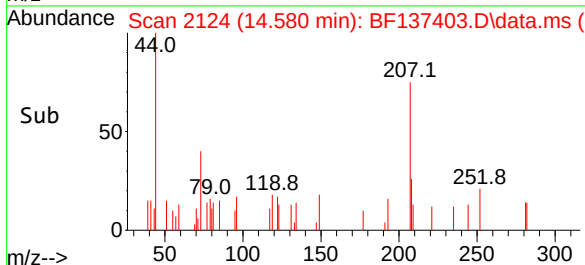
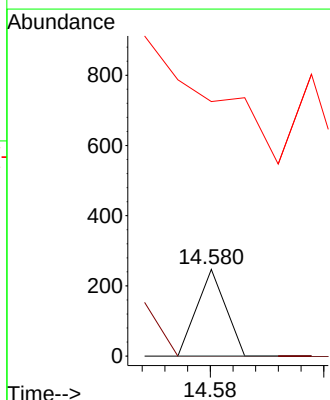
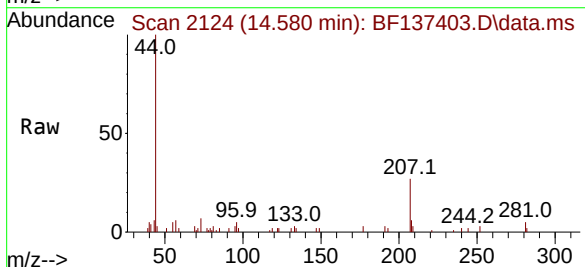
Instrument :
BNA_F
ClientSampleId :
SP6438

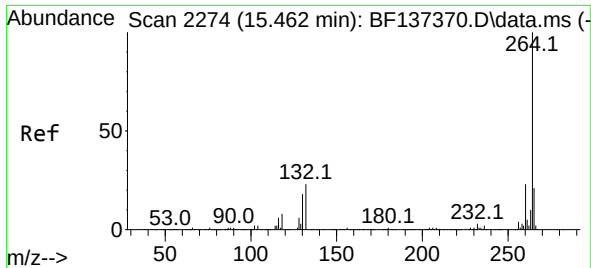
Tgt Ion:149 Resp: 202
Ion Ratio Lower Upper
149 100
167 98.6 20.6 31.0#
279 0.0 2.7 4.1#



#85
Di-n-octyl phthalate
Concen: 6.001 ng
RT: 14.580 min Scan# 2124
Delta R.T. -0.012 min
Lab File: BF137403.D
Acq: 27 Feb 2024 14:15

Tgt Ion:149 Resp: 87
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 0.0 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: BF137403.D
Acq: 27 Feb 2024 14:15

Instrument :
BNA_F
ClientSampleId :
SP6438

Tgt Ion:264 Resp: 461171

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.5	27.7
265	21.0	16.9	25.3

