

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022824\
 Data File : BF137432.D
 Acq On : 28 Feb 2024 19:50
 Operator : CG\JU
 Sample : P1523-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 29 03:15:25 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

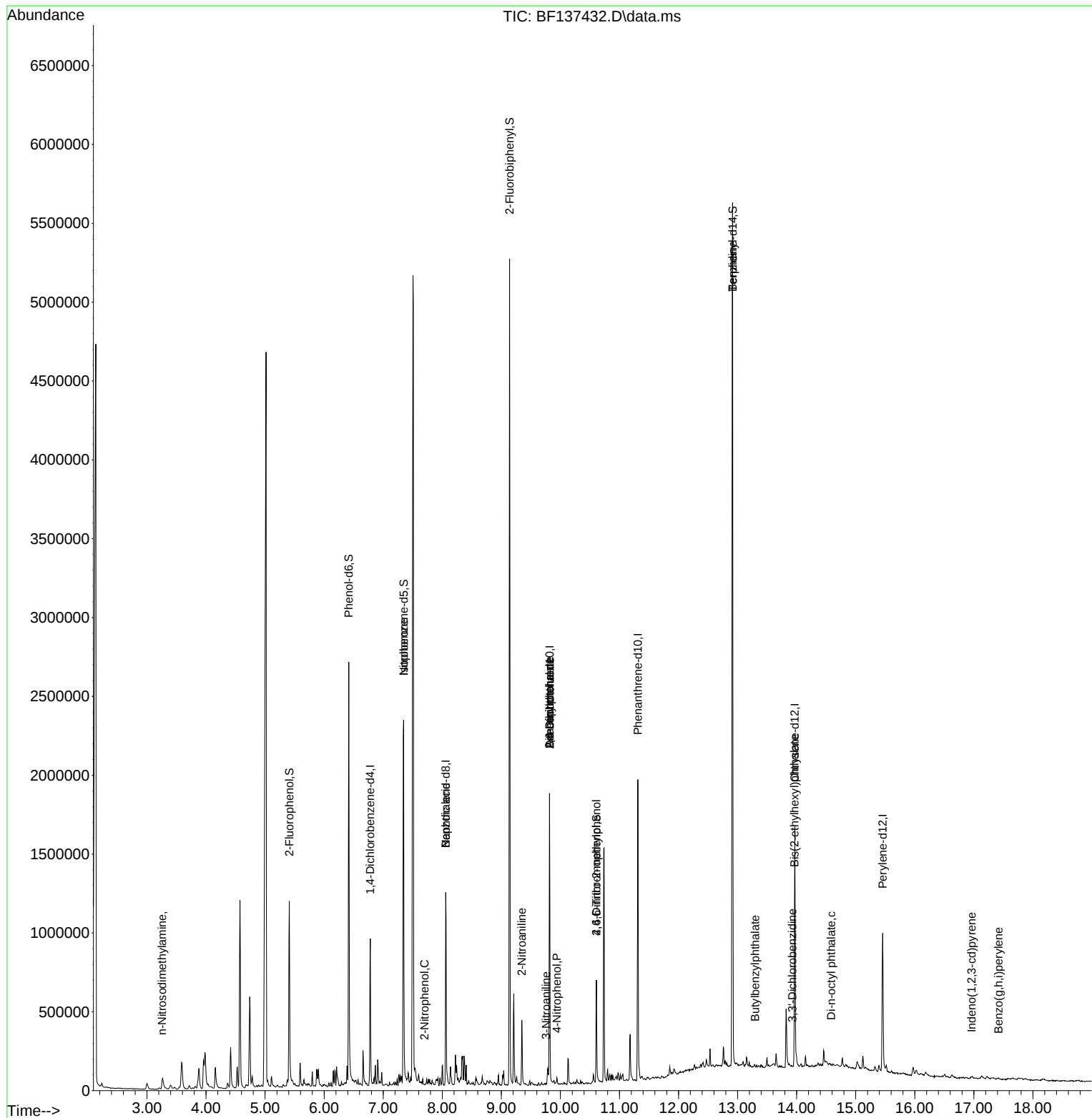
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	130067	20.000	ng	-0.02
21) Naphthalene-d8	8.057	136	540395	20.000	ng	-0.02
39) Acenaphthene-d10	9.816	164	336602	20.000	ng	-0.02
64) Phenanthrene-d10	11.310	188	663045	20.000	ng	-0.02
76) Chrysene-d12	13.969	240	479184	20.000	ng	-0.01
86) Perylene-d12	15.457	264	414322	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	371426	44.064	ng	-0.02
7) Phenol-d6	6.416	99	914543	73.755	ng	-0.02
23) Nitrobenzene-d5	7.345	82	846800	78.232	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	69689	23.775	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	1477832	68.352	ng	-0.02
79) Terphenyl-d14	12.916	244	1999460	58.362	ng	-0.01
Target Compounds						
4) n-Nitrosodimethylamine	3.257	42	620	5.232	ng	# 1
25) Isophorone	7.345	82	846800	37.830	ng	# 69
26) 2-Nitrophenol	7.698	139	120	2.929	ng	# 33
32) Benzoic acid	8.057	122	138	6.974	ng	# 1
48) 2-Nitroaniline	9.345	65	1495	4.485	ng	# 1
50) Dimethylphthalate	9.816	163	52745	2.268	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	43041	9.947	ng	# 26
53) 3-Nitroaniline	9.757	138	117	2.383	ng	# 1
56) 4-Nitrophenol	9.939	139	1491	5.220	ng	# 52
57) 2,4-Dinitrotoluene	9.816	165	43041	8.757	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.610	198	152	4.548	ng	# 1
77) Benzidine	12.916	184	24604	9.507	ng	# 92
80) Butylbenzylphthalate	13.298	149	369	4.052	ng	# 88
82) 3,3'-Dichlorobenzidine	13.927	252	72	5.041	ng	# 1
84) Bis(2-ethylhexyl)phtha...	13.963	149	21682	6.986	ng	# 95
85) Di-n-octyl phthalate	14.586	149	1311	6.124	ng	# 60
87) Indeno(1,2,3-cd)pyrene	16.962	276	8159	2.144	ng	# 89
92) Benzo(g,h,i)perylene	17.415	276	9495	2.443	ng	# 98

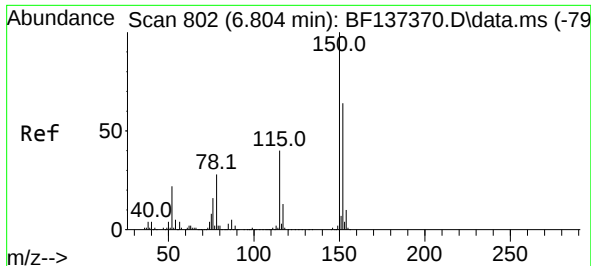
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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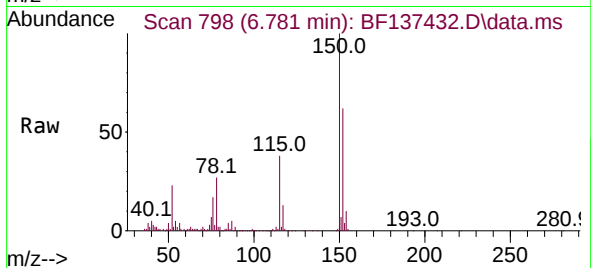


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 79
 Delta R.T. -0.023 min
 Lab File: BF137432.D
 Acq: 28 Feb 2024 19:50

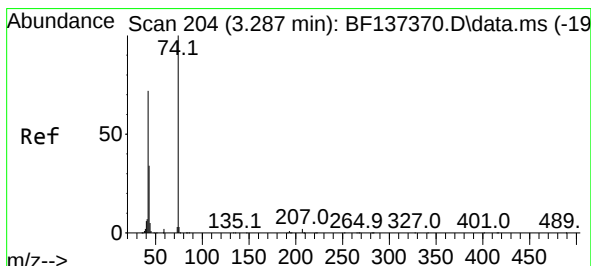
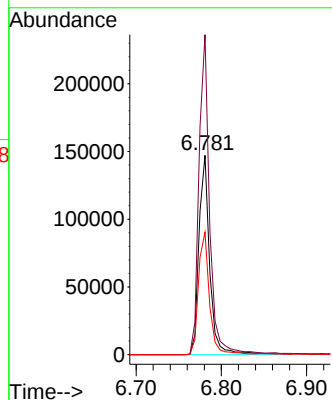
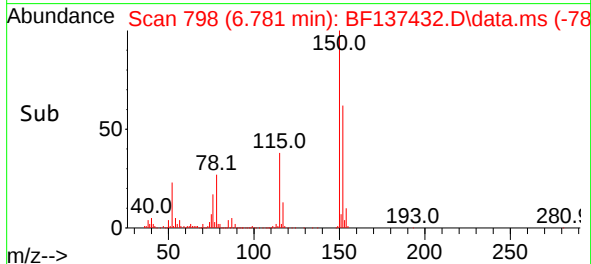
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BNA_F

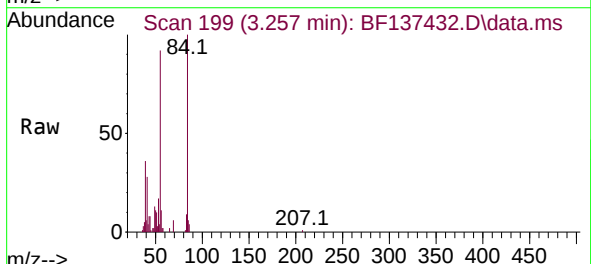
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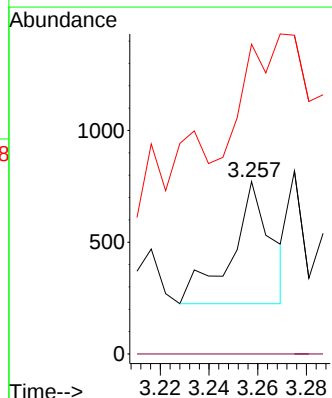
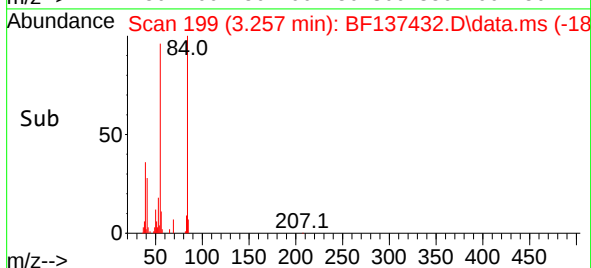
Tgt Ion:152 Resp: 130067
 Ion Ratio Lower Upper
 152 100
 150 160.5 125.7 188.5
 115 61.4 49.8 74.8

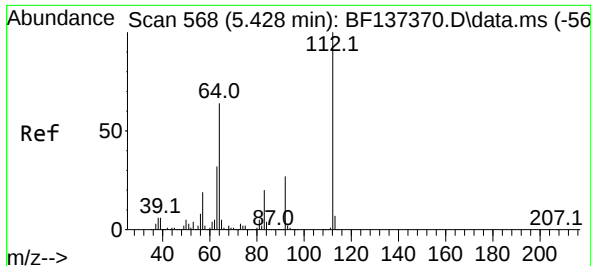


#4
 n-Nitrosodimethylamine
 Concen: 5.232 ng
 RT: 3.257 min Scan# 199
 Delta R.T. -0.030 min
 Lab File: BF137432.D
 Acq: 28 Feb 2024 19:50



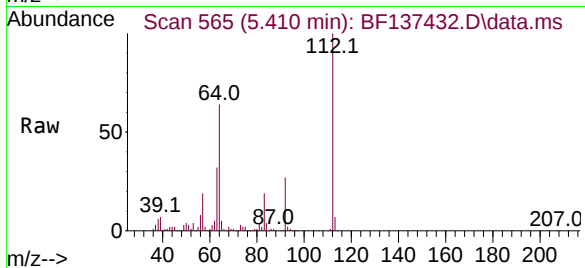
Tgt Ion: 42 Resp: 620
 Ion Ratio Lower Upper
 42 100
 74 0.0 110.8 166.2#
 44 179.8 6.0 9.0#



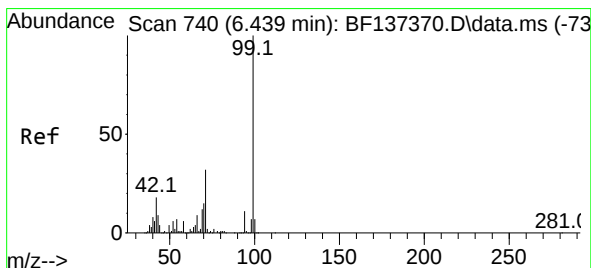
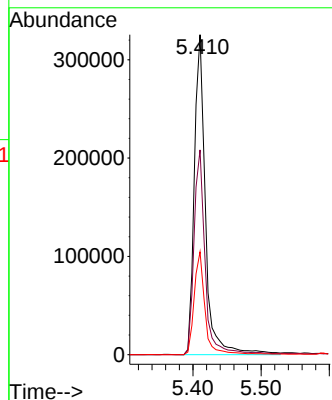
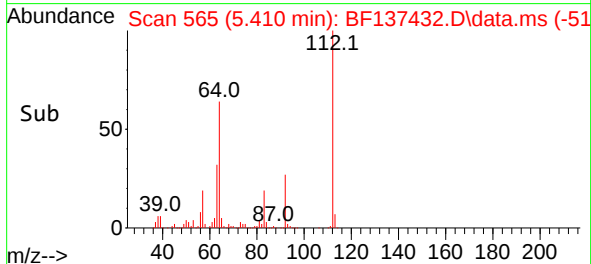


#5
2-Fluorophenol
Concen: 44.064 ng
RT: 5.410 min Scan# 501
Delta R.T. -0.018 min
Lab File: BF137432.D
Acq: 28 Feb 2024 19:50

Instrument :
BNA_F
ClientSampleId :

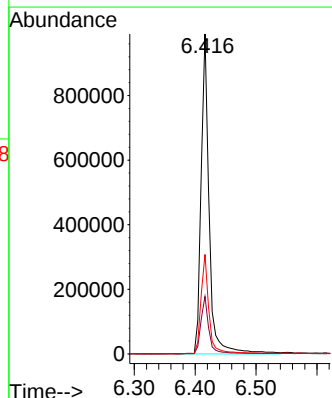
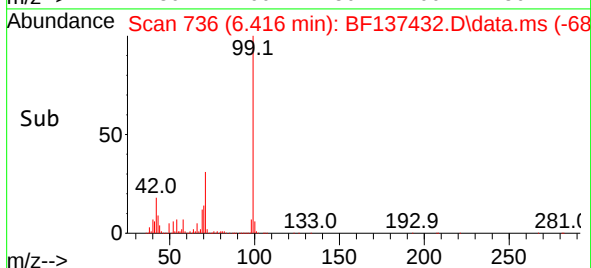
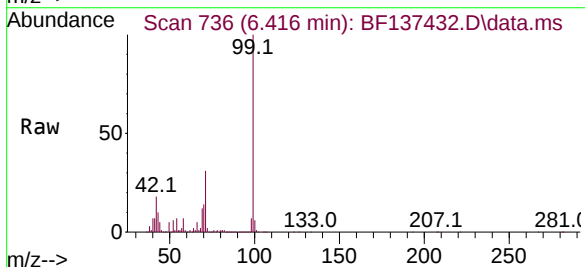


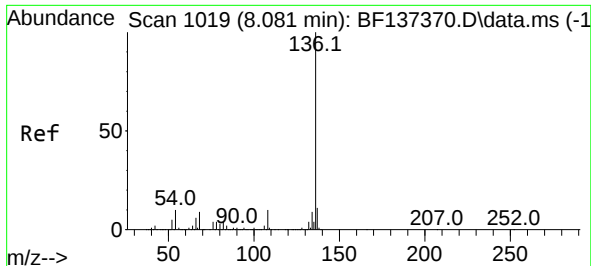
Tgt Ion:112 Resp: 371426
Ion Ratio Lower Upper
112 100
64 64.0 51.0 76.6
63 32.2 25.7 38.5



#7
Phenol-d6
Concen: 73.755 ng
RT: 6.416 min Scan# 736
Delta R.T. -0.023 min
Lab File: BF137432.D
Acq: 28 Feb 2024 19:50

Tgt Ion: 99 Resp: 914543
Ion Ratio Lower Upper
99 100
42 17.9 14.2 21.4
71 31.1 25.2 37.8

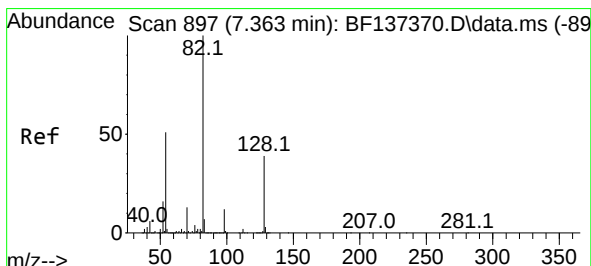
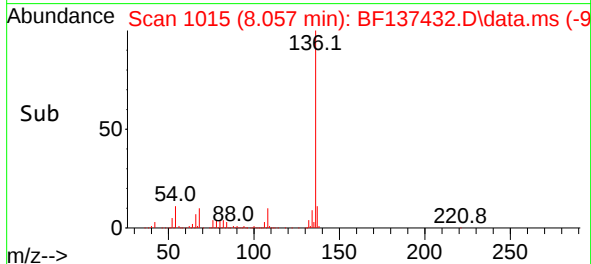
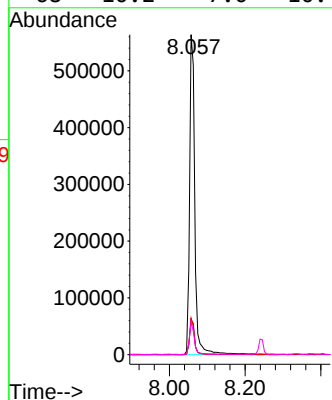
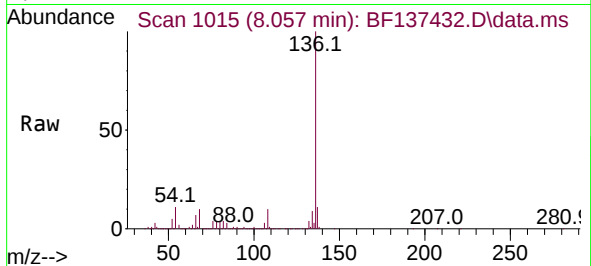




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.024 min
Lab File: BF137432.D
Acq: 28 Feb 2024 19:50

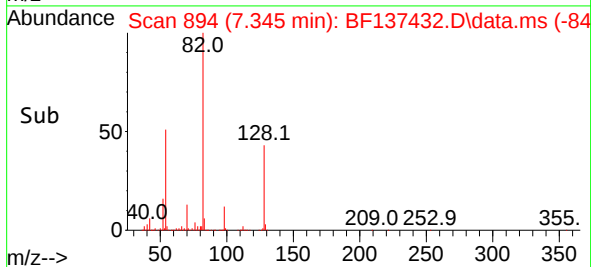
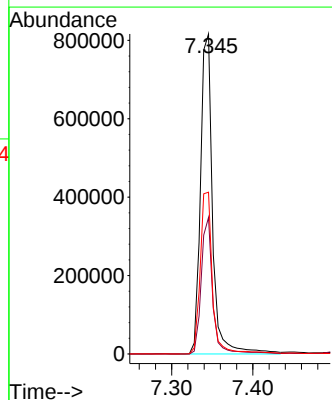
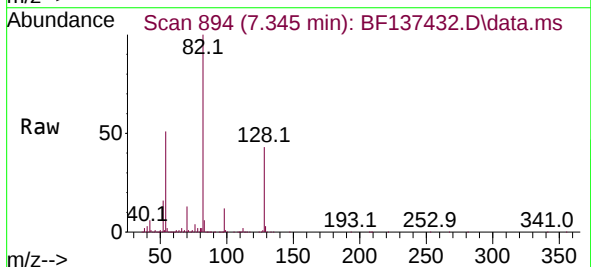
Instrument :
BNA_F
ClientSampleId :

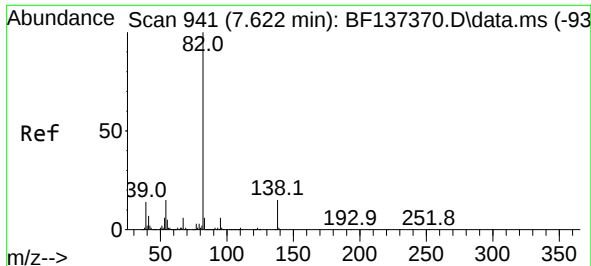
Tgt Ion:136	Resp: 540395
Ion Ratio	Lower Upper
136 100	
137 11.1	9.0 13.4
54 11.5	7.8 11.6
68 10.2	7.0 10.4



#23
Nitrobenzene-d5
Concen: 78.232 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.018 min
Lab File: BF137432.D
Acq: 28 Feb 2024 19:50

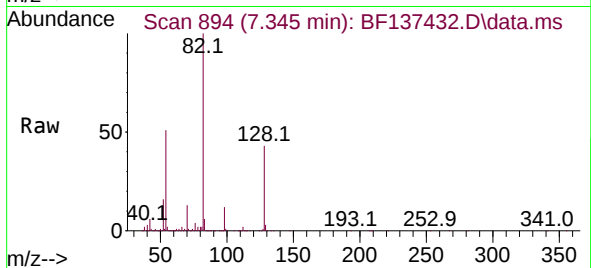
Tgt Ion: 82	Resp: 846800
Ion Ratio	Lower Upper
82 100	
128 42.6	30.8 46.2
54 50.6	40.8 61.2



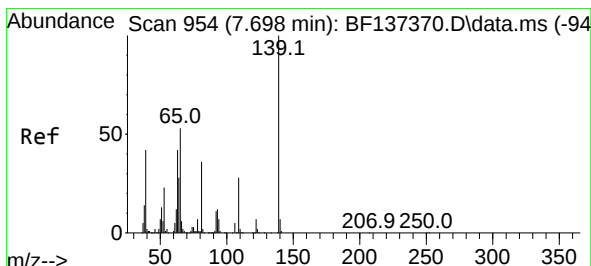
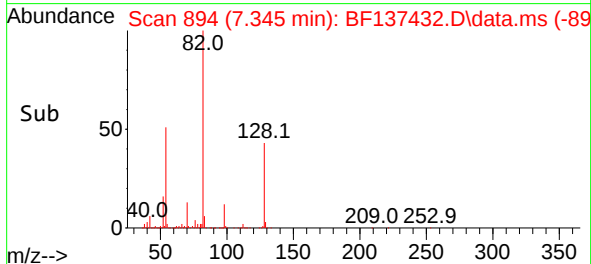
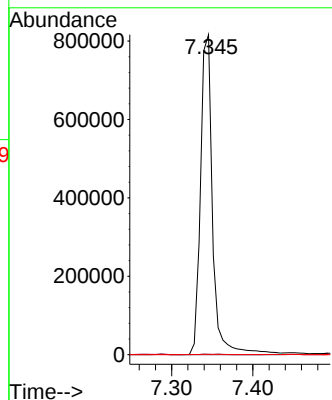


#25
Isophorone
Concen: 37.830 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.276 min
Lab File: BF137432.D
Acq: 28 Feb 2024 19:50

Instrument :
BNA_F
ClientSampleId :

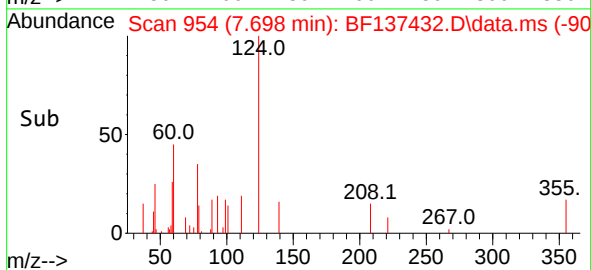
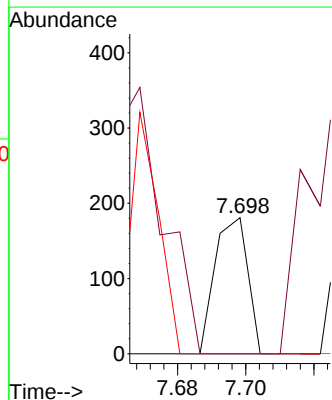
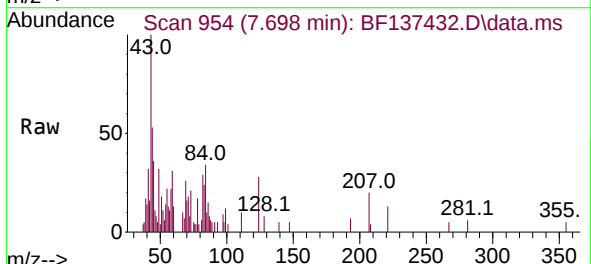


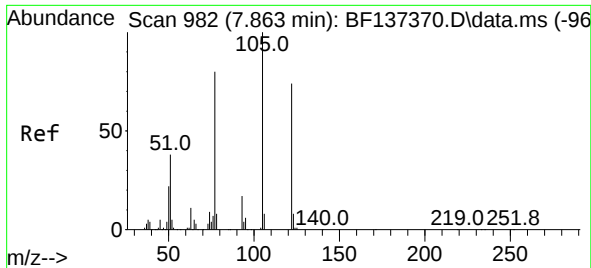
Tgt Ion: 82 Resp: 846800
Ion Ratio Lower Upper
82 100
95 0.1 5.1 7.7#
138 0.0 12.2 18.4#



#26
2-Nitrophenol
Concen: 2.929 ng
RT: 7.698 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF137432.D
Acq: 28 Feb 2024 19:50

Tgt Ion:139 Resp: 120
Ion Ratio Lower Upper
139 100
109 0.0 22.5 33.7#
65 0.0 42.3 63.5#

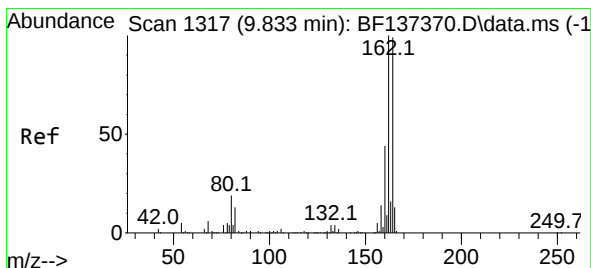
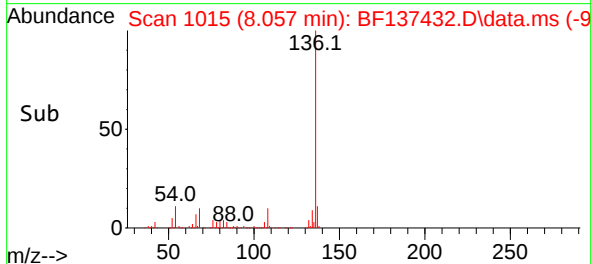
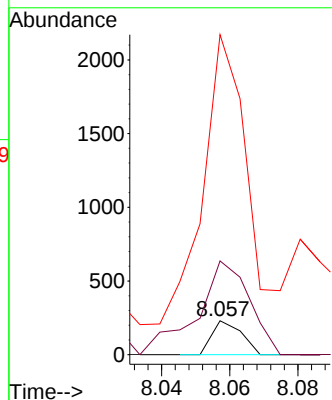
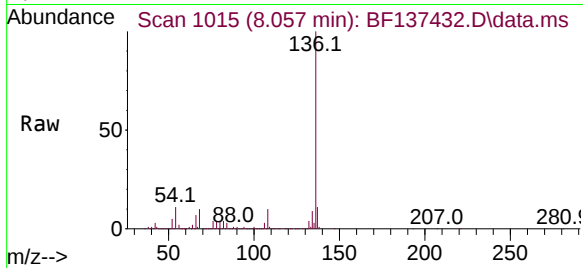




#32
Benzoic acid
Concen: 6.974 ng
RT: 8.057 min Scan# 1015
Delta R.T. 0.194 min
Lab File: BF137432.D
Acq: 28 Feb 2024 19:50

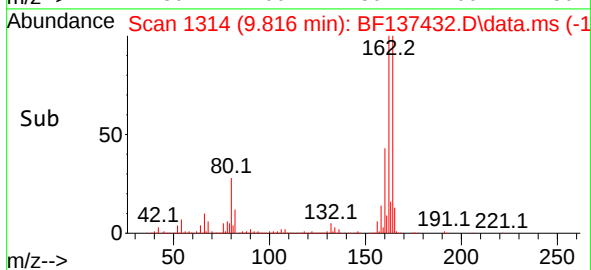
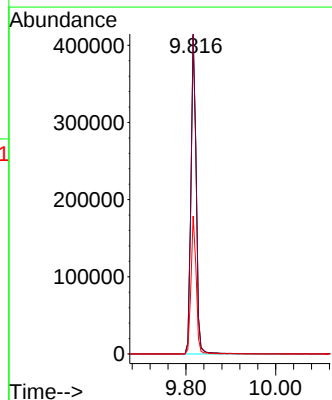
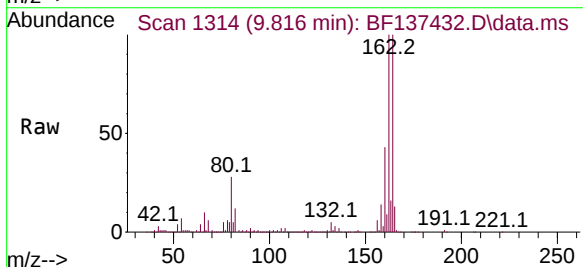
Instrument :
BNA_F
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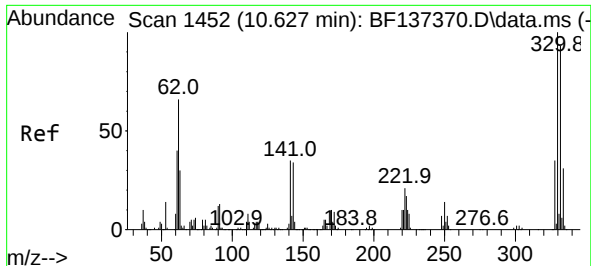
Tgt Ion:122 Resp: 138
Ion Ratio Lower Upper
122 100
105 276.5 101.1 141.1#
77 943.9 82.8 122.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.018 min
Lab File: BF137432.D
Acq: 28 Feb 2024 19:50

Tgt Ion:164 Resp: 336602
Ion Ratio Lower Upper
164 100
162 100.4 81.2 121.8
160 43.3 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 23.775 ng

RT: 10.610 min Scan# 1452

Delta R.T. -0.018 min

Lab File: BF137432.D

Acq: 28 Feb 2024 19:50

Instrument :

BNA_F

ClientSampleId :

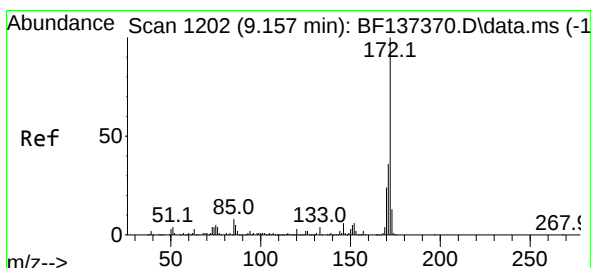
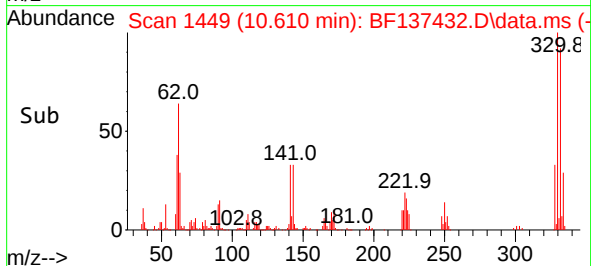
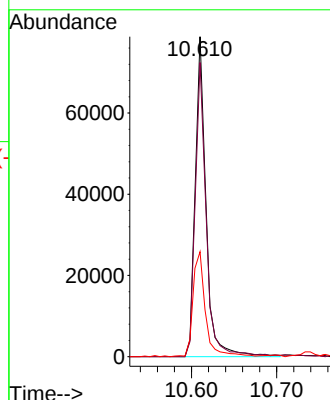
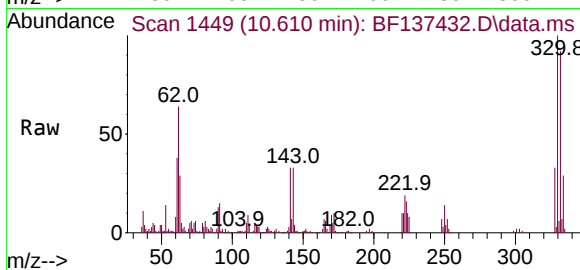
Tgt Ion:330 Resp: 69689

Ion Ratio Lower Upper

330 100

332 93.0 75.6 113.4

141 37.7 28.6 42.8



#45

2-Fluorobiphenyl

Concen: 68.352 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.018 min

Lab File: BF137432.D

Acq: 28 Feb 2024 19:50

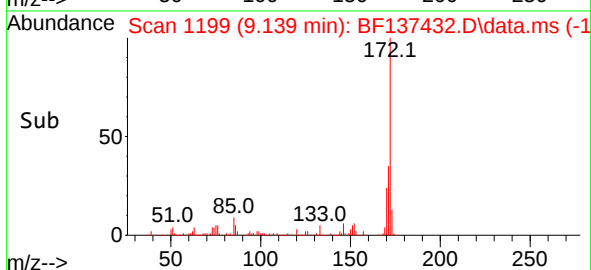
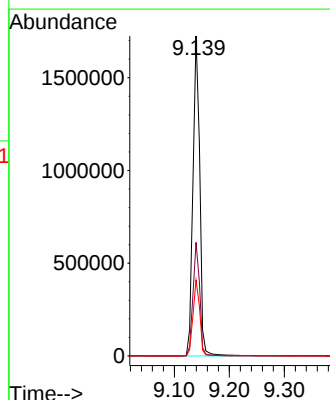
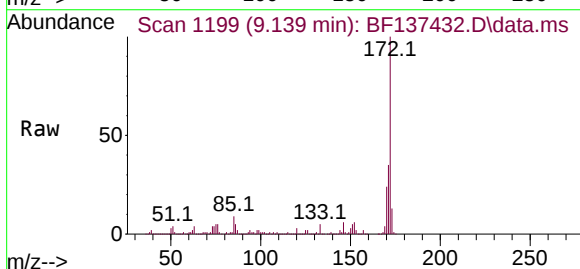
Tgt Ion:172 Resp: 1477832

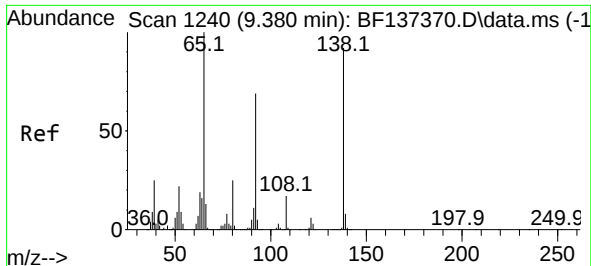
Ion Ratio Lower Upper

172 100

171 35.5 28.7 43.1

170 23.7 19.5 29.3

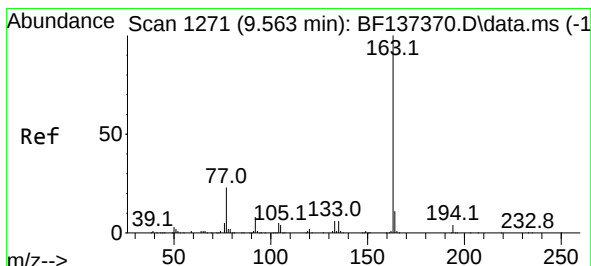
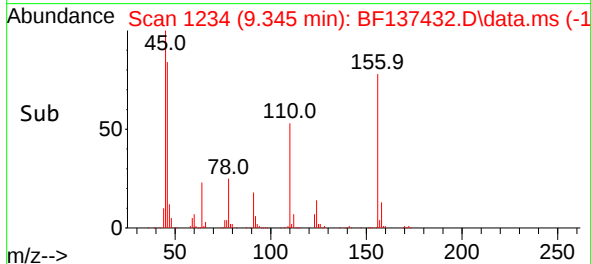
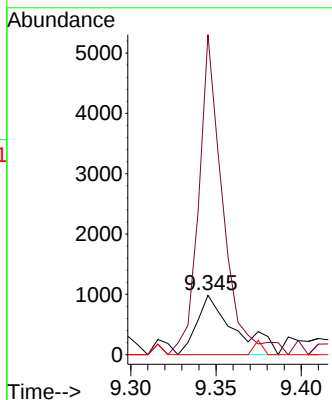
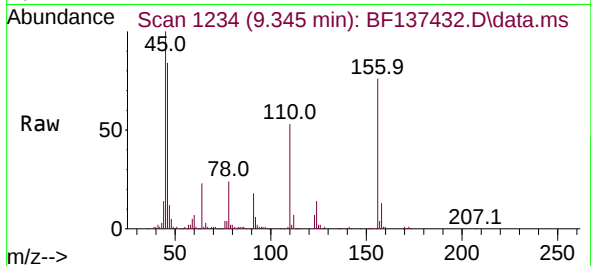




#48
2-Nitroaniline
Concen: 4.485 ng
RT: 9.345 min Scan# 11
Delta R.T. -0.035 min
Lab File: BF137432.D
Acq: 28 Feb 2024 19:50

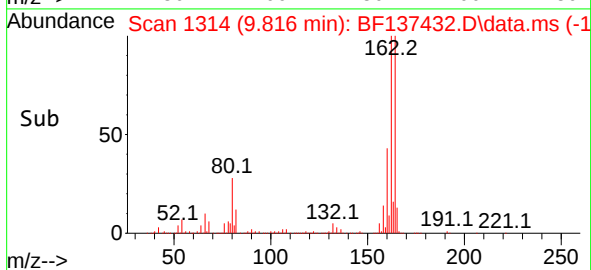
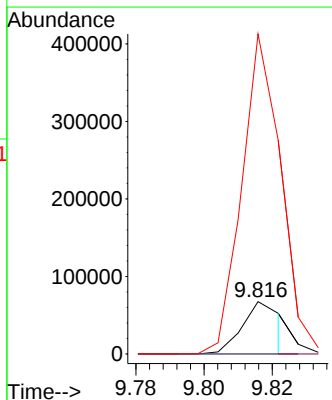
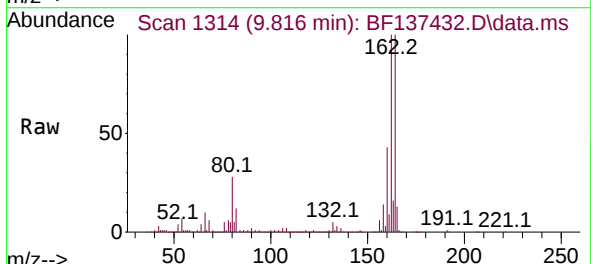
Instrument :
BNA_F
ClientSampleId :

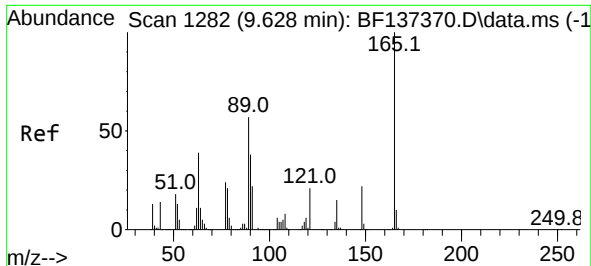
Tgt Ion: 65 Resp: 1495
Ion Ratio Lower Upper
65 100
92 538.6 55.0 82.6#
138 0.0 73.7 110.5#



#50
Dimethylphthalate
Concen: 2.268 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.253 min
Lab File: BF137432.D
Acq: 28 Feb 2024 19:50

Tgt Ion: 163 Resp: 52745
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 611.7 8.5 12.7#





#51

2,6-Dinitrotoluene

Concen: 9.947 ng

RT: 9.816 min Scan# 11

Delta R.T. 0.188 min

Lab File: BF137432.D

Acq: 28 Feb 2024 19:50

Instrument :

BNA_F

ClientSampleId :

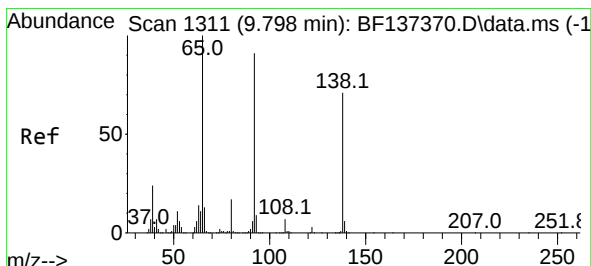
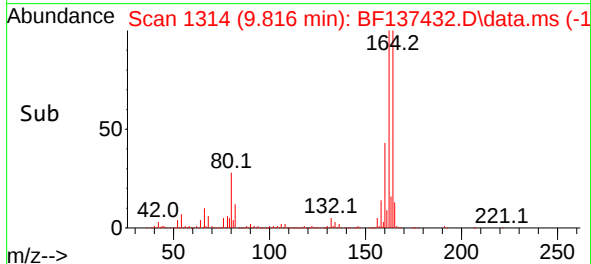
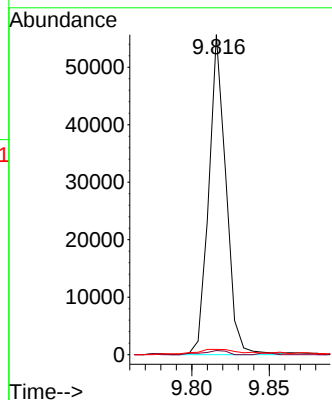
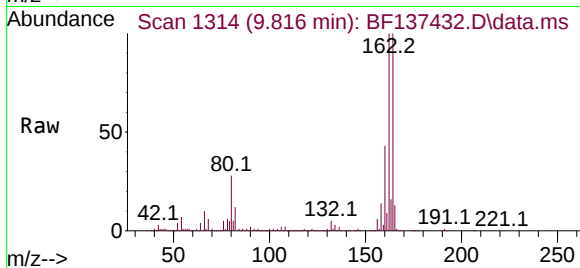
Tgt Ion:165 Resp: 43041

Ion Ratio Lower Upper

165 100

63 1.3 41.6 62.4#

89 1.6 45.8 68.6#



#53

3-Nitroaniline

Concen: 2.383 ng

RT: 9.757 min Scan# 1304

Delta R.T. -0.041 min

Lab File: BF137432.D

Acq: 28 Feb 2024 19:50

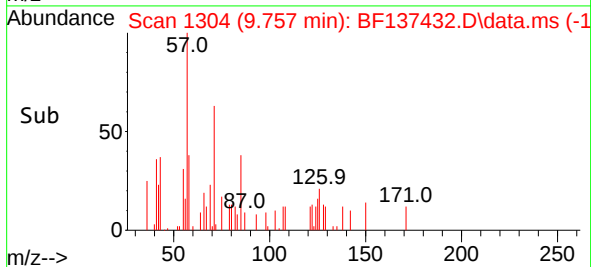
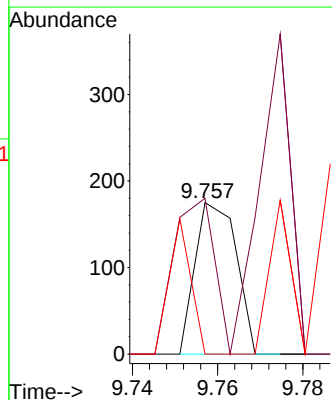
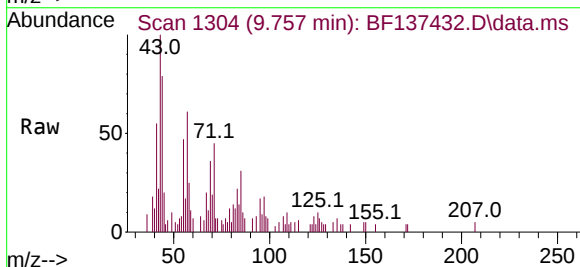
Tgt Ion:138 Resp: 117

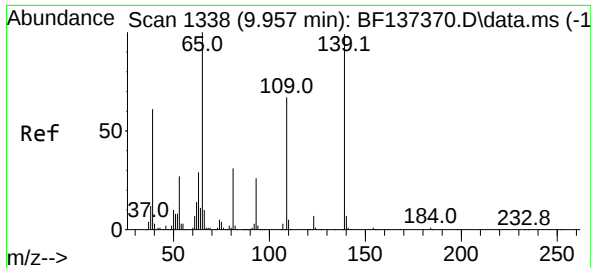
Ion Ratio Lower Upper

138 100

108 102.9 8.2 12.2#

92 0.0 102.2 153.2#

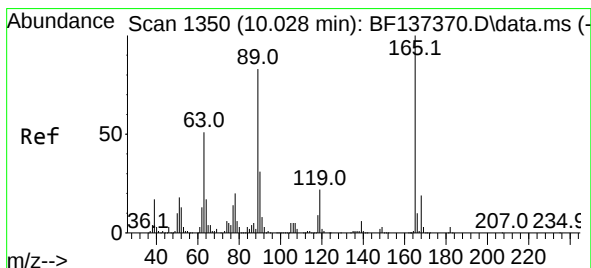
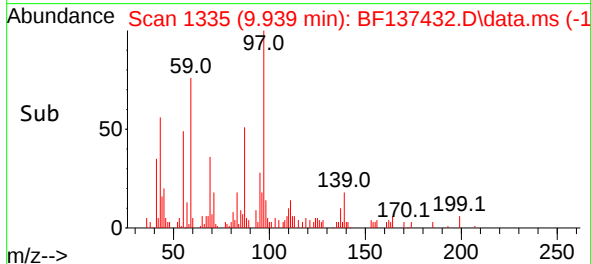
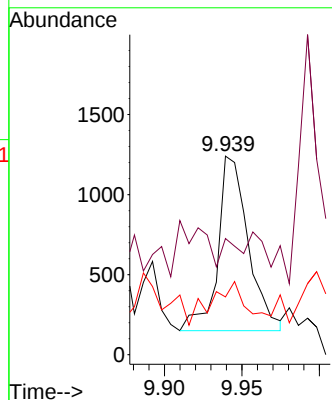
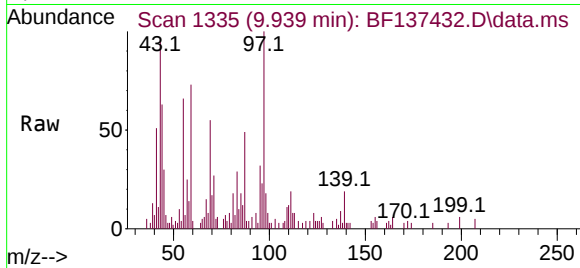




#56
4-Nitrophenol
Concen: 5.220 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF137432.D
Acq: 28 Feb 2024 19:50

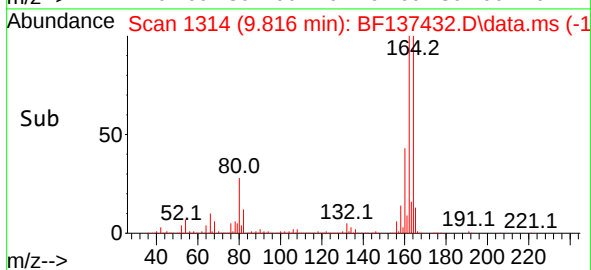
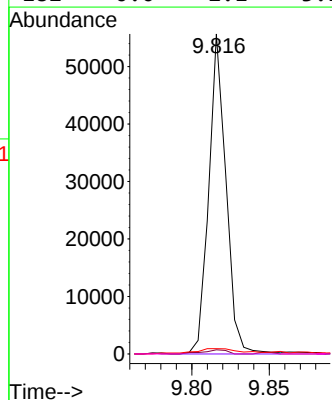
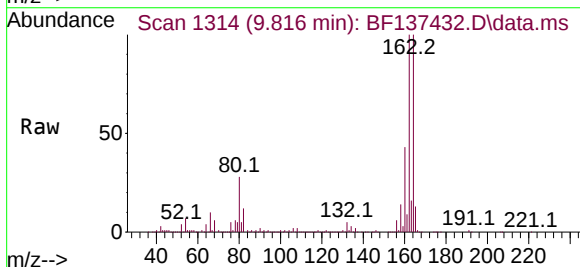
Instrument :
BNA_F
ClientSampleId :

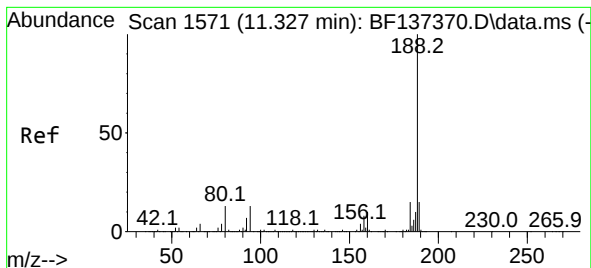
Tgt Ion:139 Resp: 1491
Ion Ratio Lower Upper
139 100
109 58.5 48.0 88.0
65 29.1 82.2 122.2#



#57
2,4-Dinitrotoluene
Concen: 8.757 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.212 min
Lab File: BF137432.D
Acq: 28 Feb 2024 19:50

Tgt Ion:165 Resp: 43041
Ion Ratio Lower Upper
165 100
63 1.3 41.1 61.7#
89 1.6 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: BF137432.D

Acq: 28 Feb 2024 19:50

Instrument :

BNA_F

ClientSampleId :

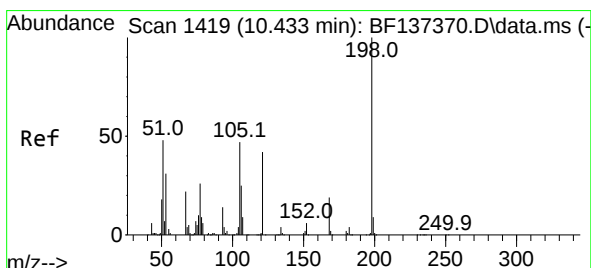
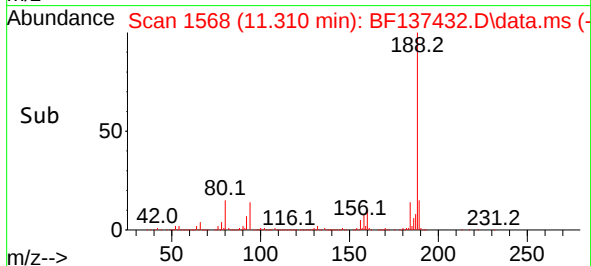
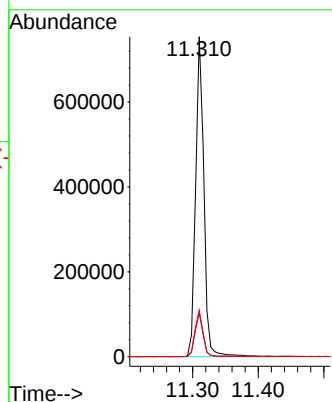
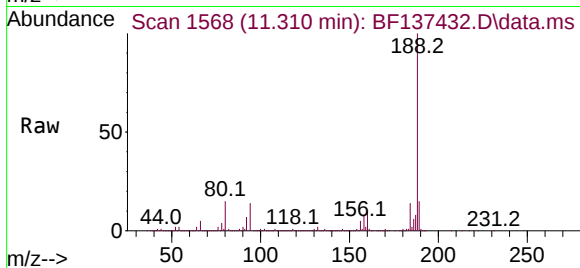
Tgt Ion:188 Resp: 663045

Ion Ratio Lower Upper

188 100

94 13.7 10.2 15.2

80 14.6 10.7 16.1



#65

4,6-Dinitro-2-methylphenol

Concen: 4.548 ng

RT: 10.610 min Scan# 1449

Delta R.T. 0.177 min

Lab File: BF137432.D

Acq: 28 Feb 2024 19:50

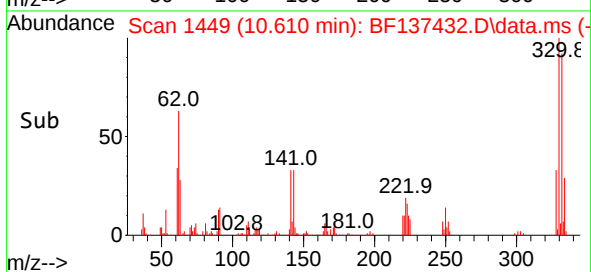
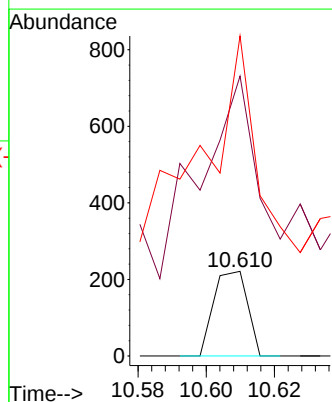
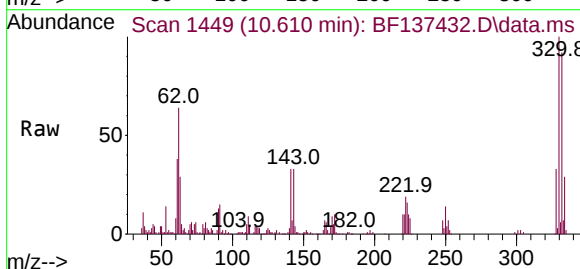
Tgt Ion:198 Resp: 152

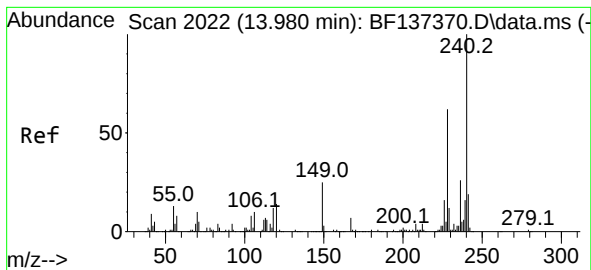
Ion Ratio Lower Upper

198 100

51 330.8 36.8 76.8#

105 378.3 28.5 68.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF137432.D

Acq: 28 Feb 2024 19:50

Instrument :

BNA_F

ClientSampleId :

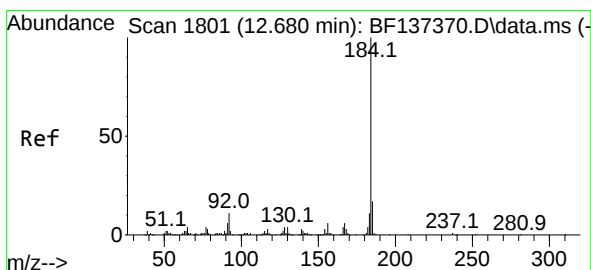
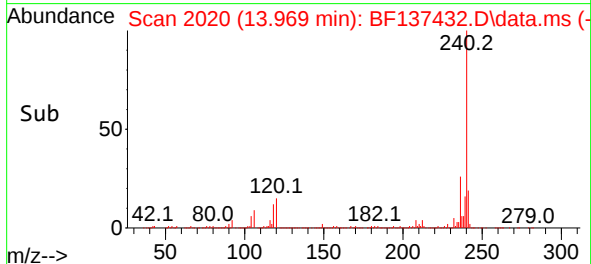
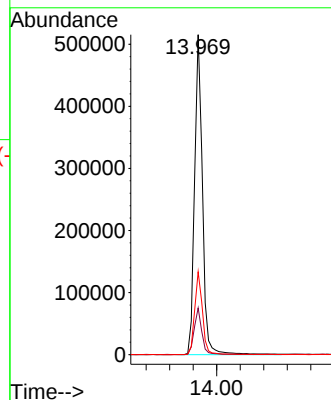
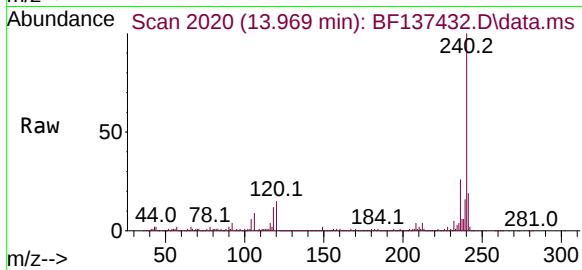
Tgt Ion:240 Resp: 479184

Ion Ratio Lower Upper

240 100

120 14.6 11.3 16.9

236 25.9 20.5 30.7



#77

Benzidine

Concen: 9.507 ng

RT: 12.916 min Scan# 1841

Delta R.T. 0.236 min

Lab File: BF137432.D

Acq: 28 Feb 2024 19:50

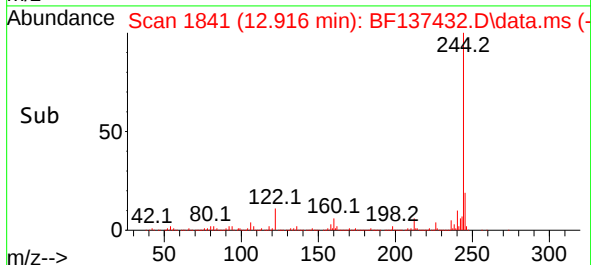
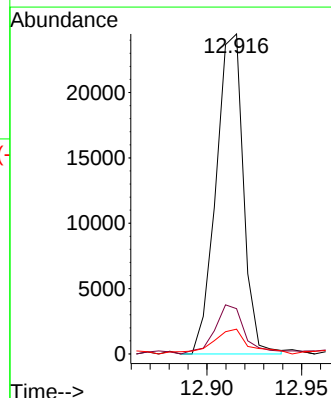
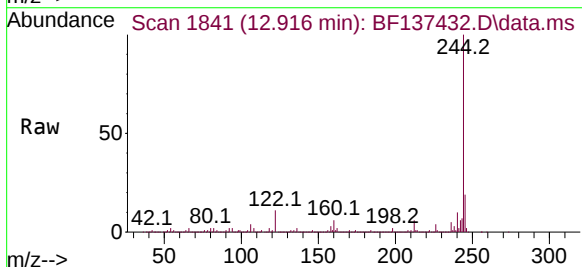
Tgt Ion:184 Resp: 24604

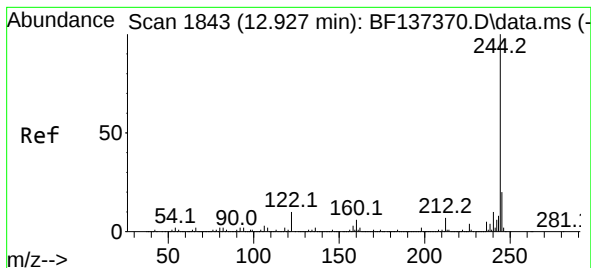
Ion Ratio Lower Upper

184 100

185 14.1 13.7 20.5

183 7.7 8.8 13.2#





#79

Terphenyl-d14

Concen: 58.362 ng

RT: 12.916 min Scan# 1841

Delta R.T. -0.012 min

Lab File: BF137432.D

Acq: 28 Feb 2024 19:50

Instrument :

BNA_F

ClientSampleId :

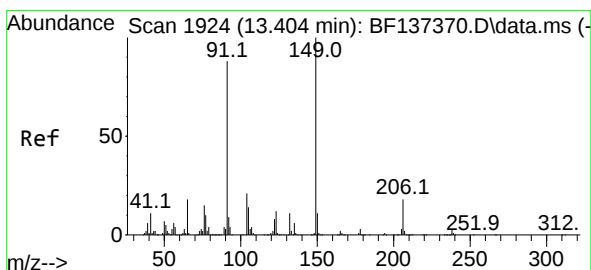
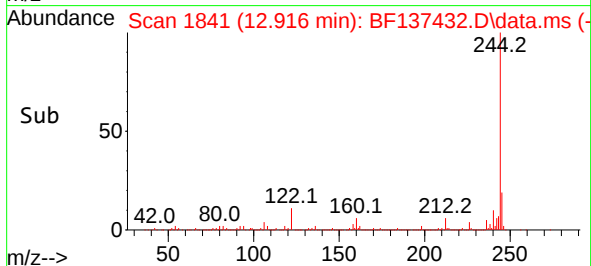
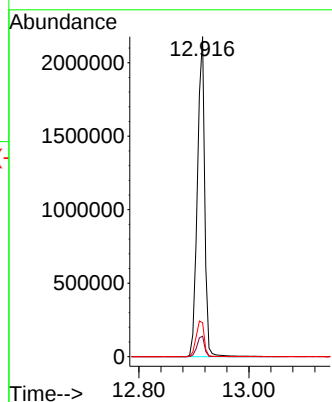
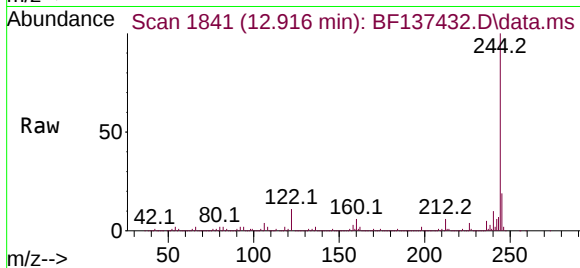
Tgt Ion:244 Resp: 1999460

Ion Ratio Lower Upper

244 100

212 6.4 5.3 7.9

122 10.6 8.2 12.4



#80

Butylbenzylphthalate

Concen: 4.052 ng

RT: 13.298 min Scan# 1906

Delta R.T. -0.106 min

Lab File: BF137432.D

Acq: 28 Feb 2024 19:50

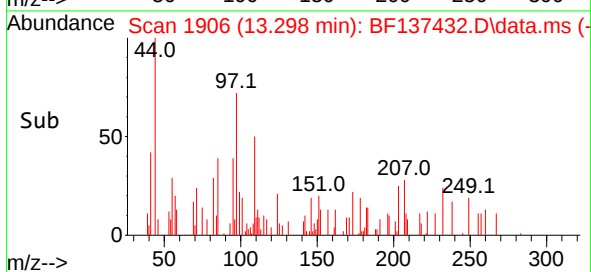
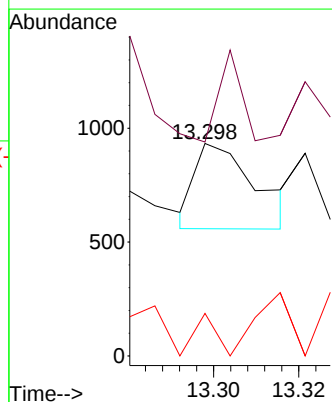
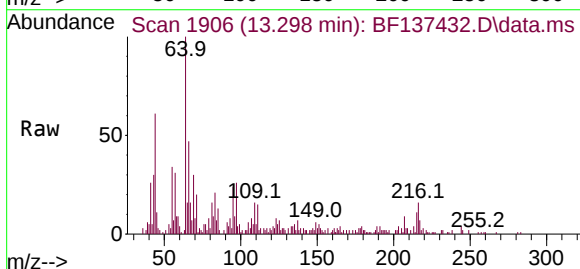
Tgt Ion:149 Resp: 369

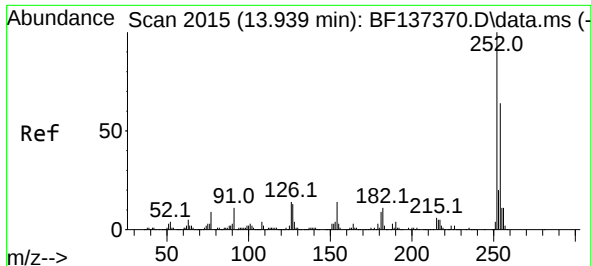
Ion Ratio Lower Upper

149 100

91 100.6 70.5 105.7

206 20.0 14.8 22.2





#82

3,3'-Dichlorobenzidine

Concen: 5.041 ng

RT: 13.927 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF137432.D

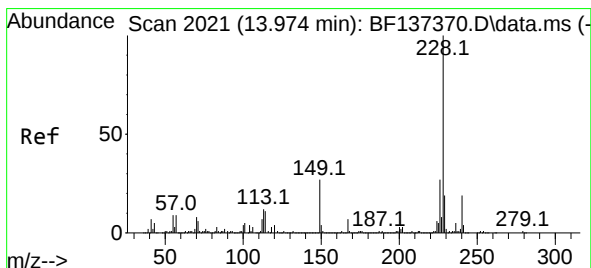
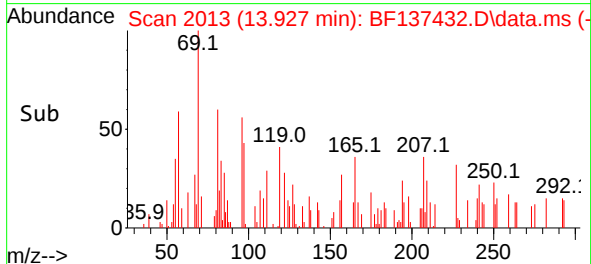
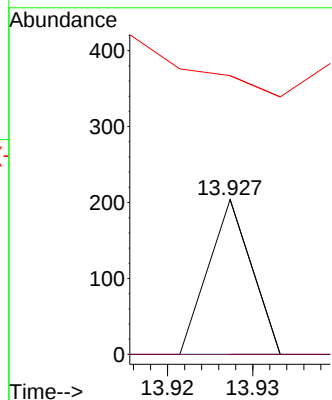
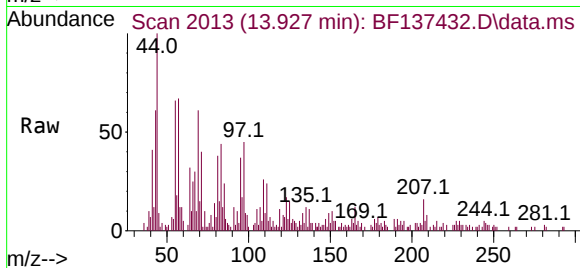
Acq: 28 Feb 2024 19:50

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:252	Resp:	72
Ion Ratio	Lower	Upper
252	100	
254	0.0	51.2 76.8#
126	179.9	11.1 16.7#



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.986 ng

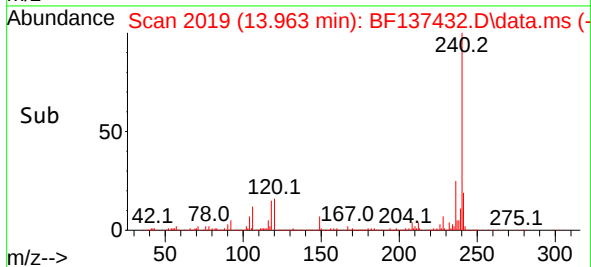
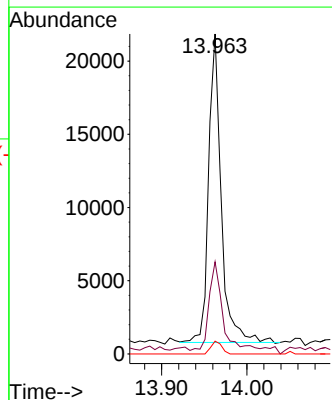
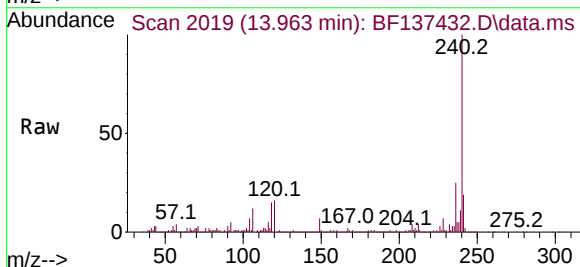
RT: 13.963 min Scan# 2019

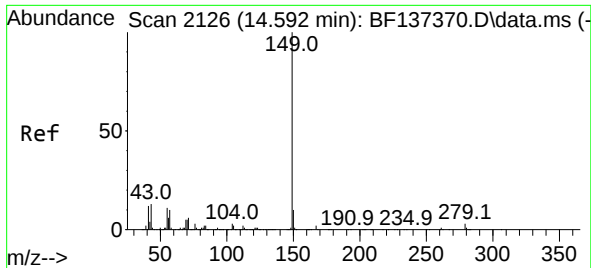
Delta R.T. -0.011 min

Lab File: BF137432.D

Acq: 28 Feb 2024 19:50

Tgt Ion:149	Resp:	21682
Ion Ratio	Lower	Upper
149	100	
167	28.8	20.6 31.0
279	4.0	2.7 4.1

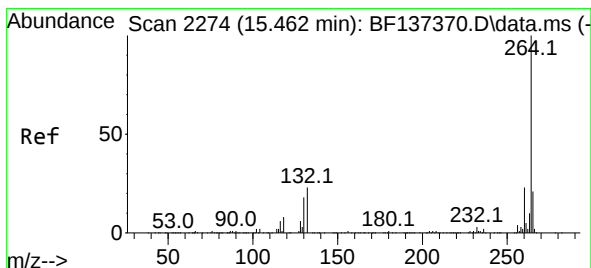
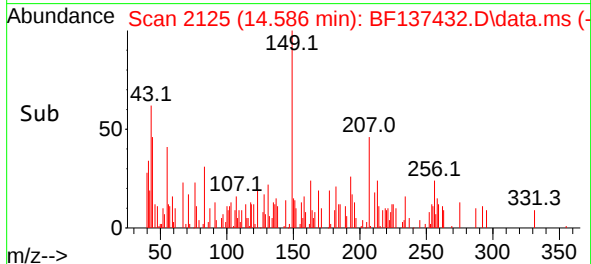
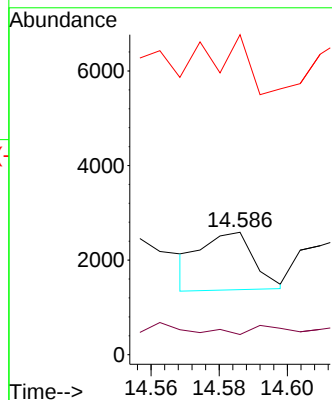
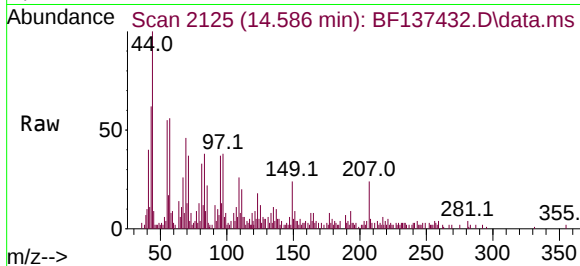




#85
Di-n-octyl phthalate
Concen: 6.124 ng
RT: 14.586 min Scan# 2125
Delta R.T. -0.006 min
Lab File: BF137432.D
Acq: 28 Feb 2024 19:50

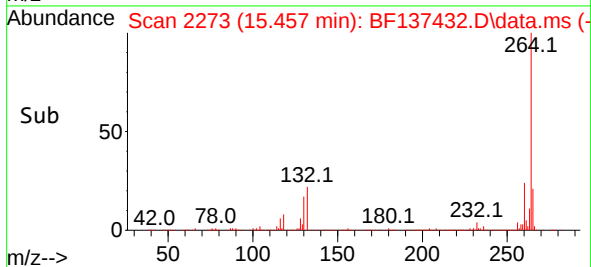
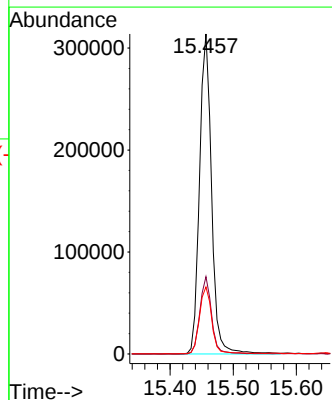
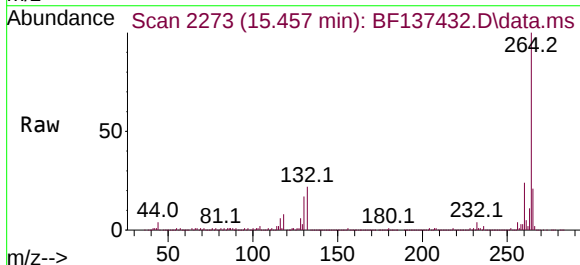
Instrument :
BNA_F
ClientSampleId :

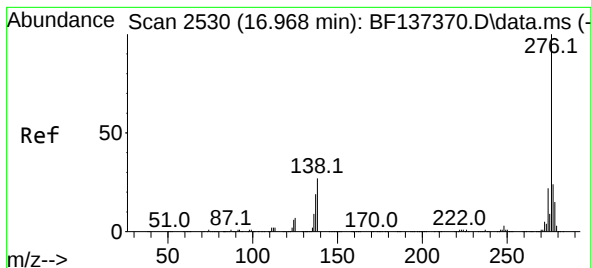
Tgt Ion:149 Resp: 1311
Ion Ratio Lower Upper
149 100
167 18.2 1.2 1.8#
43 0.0 13.7 20.5#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF137432.D
Acq: 28 Feb 2024 19:50

Tgt Ion:264 Resp: 414322
Ion Ratio Lower Upper
264 100
260 24.2 18.5 27.7
265 21.0 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.144 ng

RT: 16.962 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137432.D

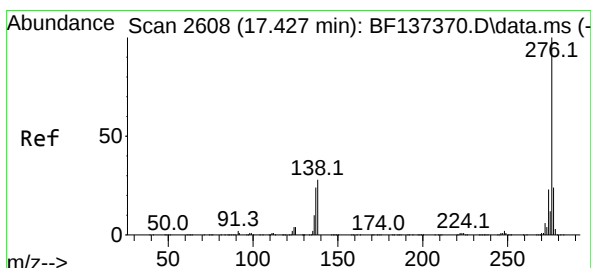
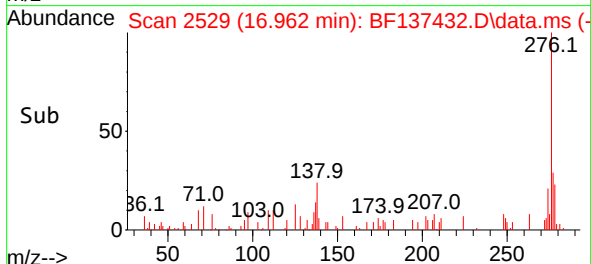
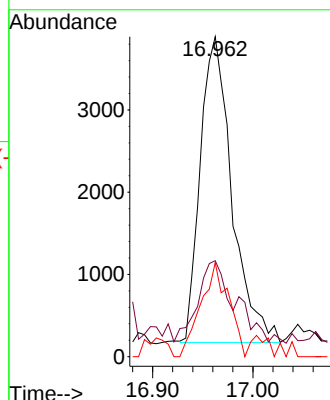
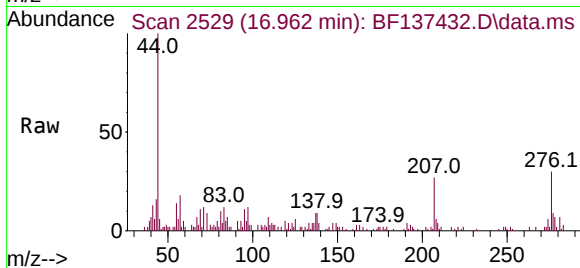
Acq: 28 Feb 2024 19:50

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	276	Resp:	8159
Ion Ratio	Lower	Upper	
276	100		
138	40.6	25.8	38.8#
277	27.0	19.6	29.4



#92

Benzo(g,h,i)perylene

Concen: 2.443 ng

RT: 17.415 min Scan# 2606

Delta R.T. -0.012 min

Lab File: BF137432.D

Acq: 28 Feb 2024 19:50

Tgt Ion:	276	Resp:	9495
Ion Ratio	Lower	Upper	
276	100		
277	24.4	19.0	28.4
138	29.7	22.6	33.8

