

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020624\
 Data File : BF137305.D
 Acq On : 06 Feb 2024 21:49
 Operator : CG\JU
 Sample : P1337-12
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Time: Feb 07 01:07:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 04:56:22 2024
 Response via : Initial Calibration

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

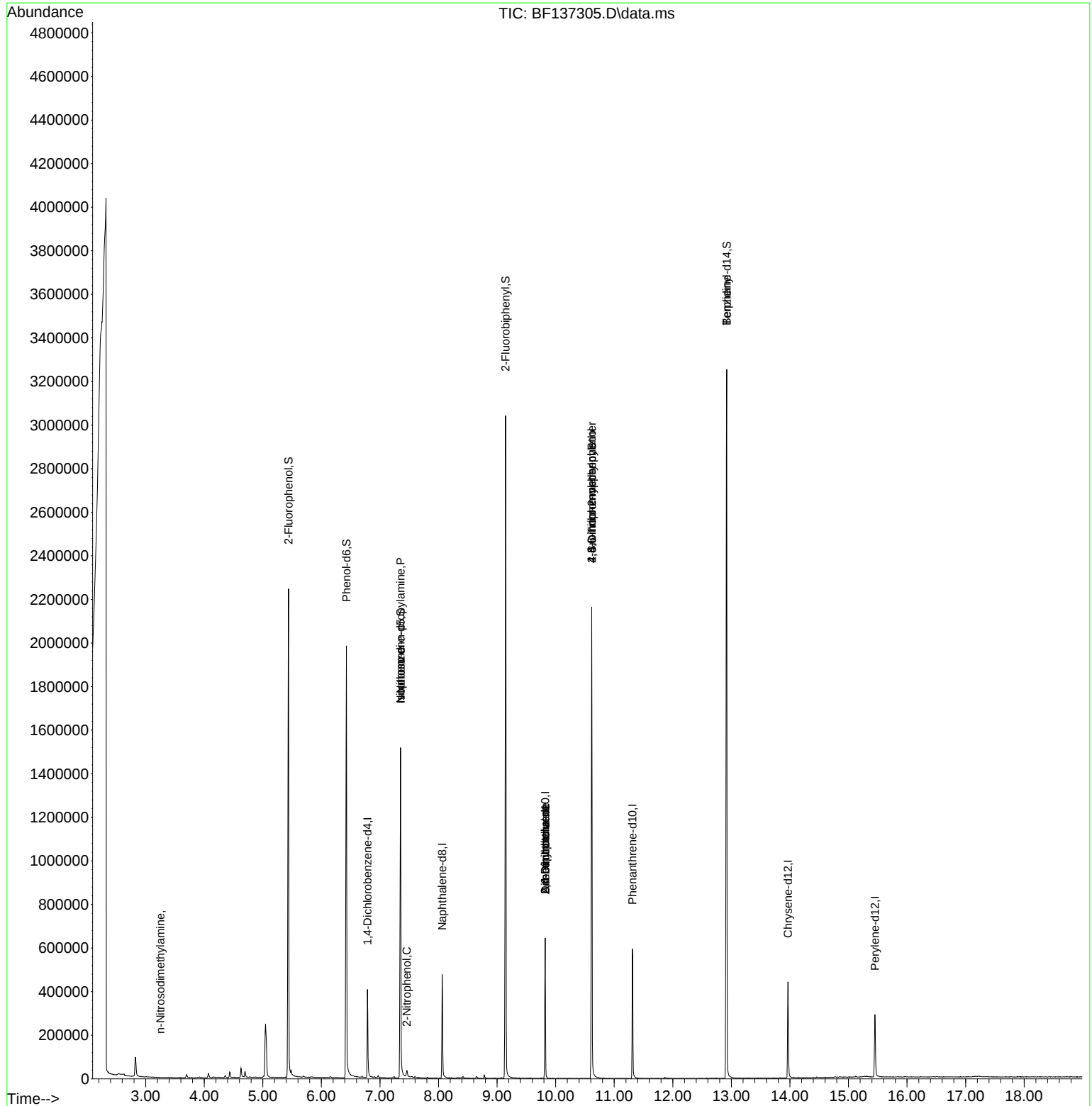
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	56755	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	218183	20.000	ng	-0.01
39) Acenaphthene-d10	9.822	164	126005	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	240943	20.000	ng	0.00
76) Chrysene-d12	13.968	240	161105	20.000	ng	0.00
86) Perylene-d12	15.451	264	147547	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	595247	173.061	ng	0.02
7) Phenol-d6	6.428	99	697231	142.044	ng	0.00
23) Nitrobenzene-d5	7.351	82	571752	117.325	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	263182	184.943	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	1012625	110.474	ng	0.00
79) Terphenyl-d14	12.921	244	1298121	109.539	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.252	42	86	6.100	ng	# 1
19) n-Nitroso-di-n-propyla...	7.351	70	79527	23.630	ng	# 78
25) Isophorone	7.351	82	571796	63.568	ng	# 67
26) 2-Nitrophenol	7.457	139	252	2.581	ng	# 28
50) Dimethylphthalate	9.822	163	23093	2.713	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	16369	9.018	ng	# 18
57) 2,4-Dinitrotoluene	9.822	165	16369	6.950	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.616	198	653	5.908	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	17571	6.632	ng	# 1
77) Benzidine	12.921	184	16428	5.695	ng	# 95

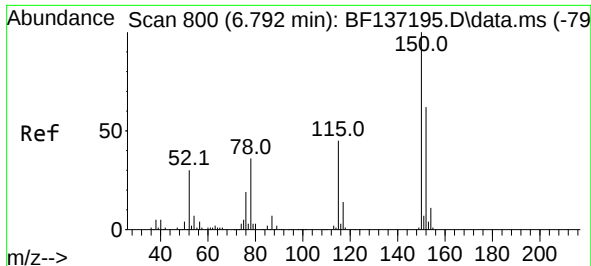
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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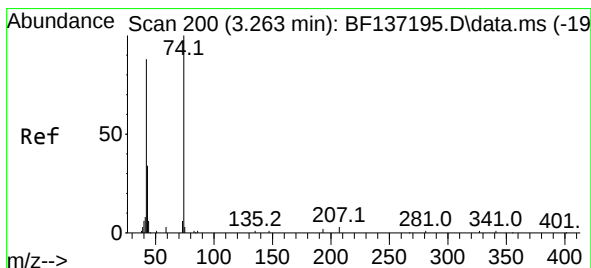
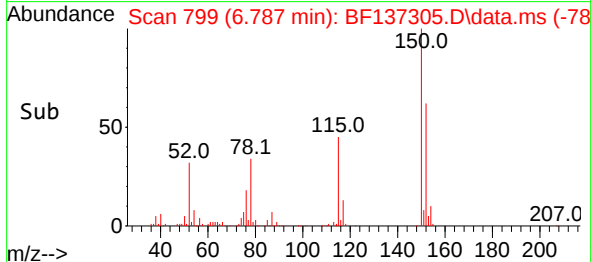
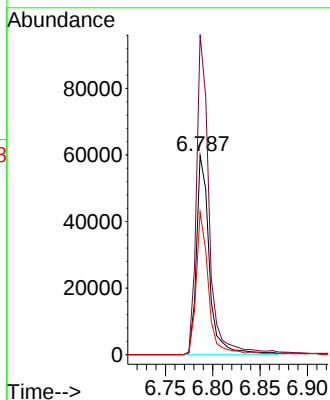
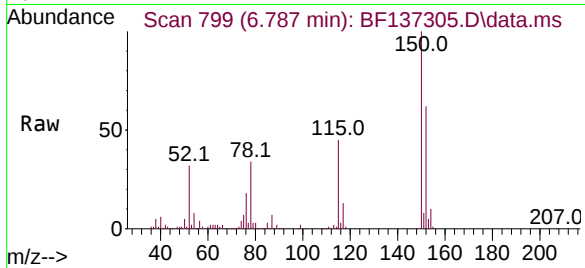




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF137305.D
Acq: 06 Feb 2024 21:49

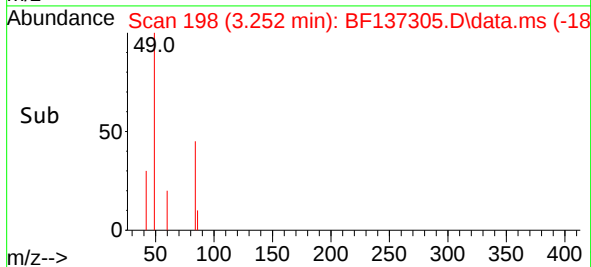
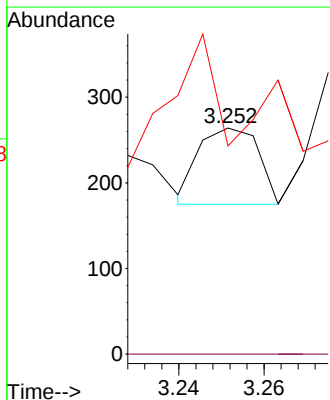
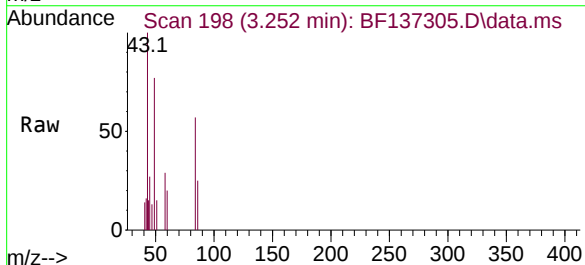
Instrument :
BNA_F
ClientSampleId :
TP-4

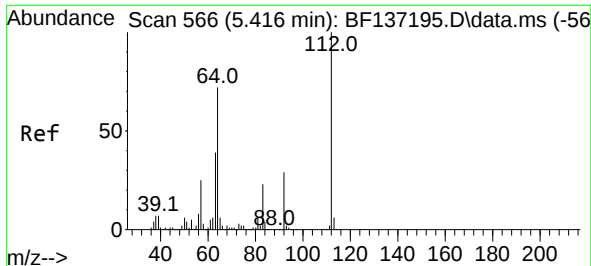
Tgt Ion:152 Resp: 56755
Ion Ratio Lower Upper
152 100
150 160.8 129.8 194.8
115 71.6 58.5 87.7



#4
n-Nitrosodimethylamine
Concen: 6.100 ng
RT: 3.252 min Scan# 198
Delta R.T. -0.011 min
Lab File: BF137305.D
Acq: 06 Feb 2024 21:49

Tgt Ion: 42 Resp: 86
Ion Ratio Lower Upper
42 100
74 0.0 90.5 135.7#
44 92.0 6.1 9.1#

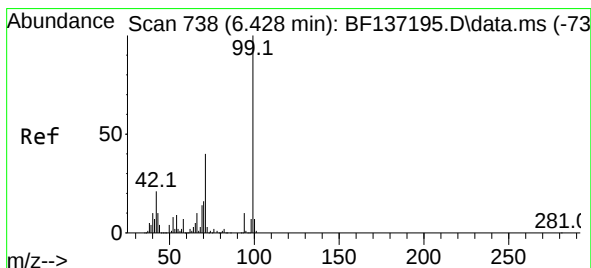
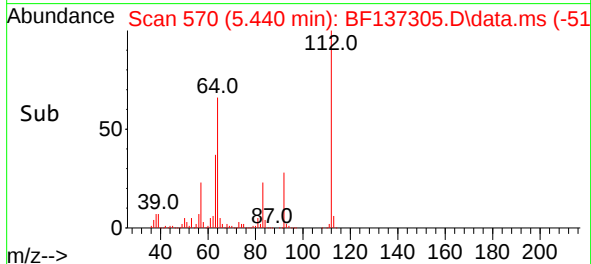
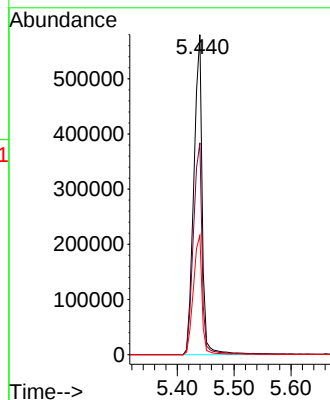
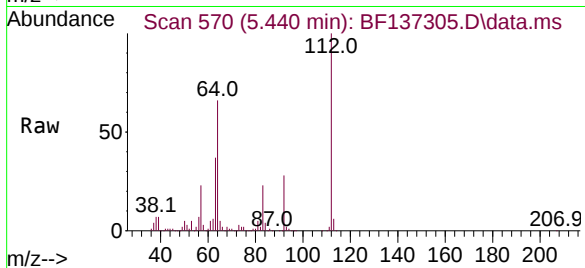




#5
2-Fluorophenol
Concen: 173.061 ng
RT: 5.440 min Scan# 51
Delta R.T. 0.024 min
Lab File: BF137305.D
Acq: 06 Feb 2024 21:49

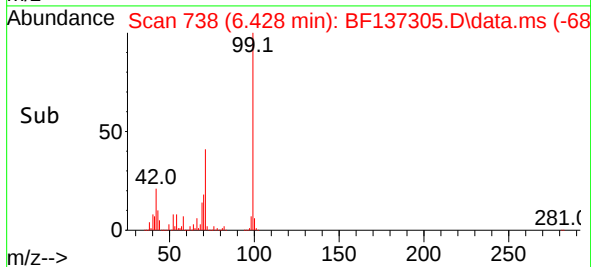
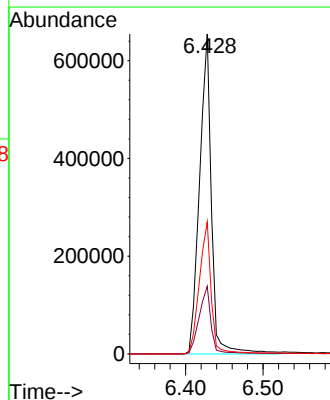
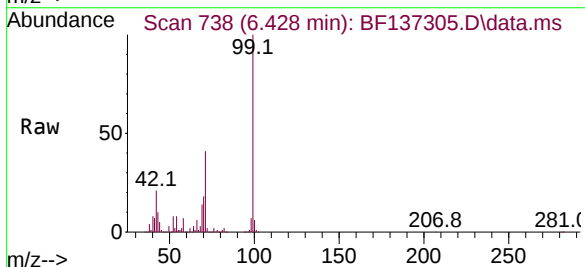
Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:112 Resp: 595247
Ion Ratio Lower Upper
112 100
64 66.2 57.8 86.6
63 37.2 31.4 47.0



#7
Phenol-d6
Concen: 142.044 ng
RT: 6.428 min Scan# 738
Delta R.T. 0.000 min
Lab File: BF137305.D
Acq: 06 Feb 2024 21:49

Tgt Ion: 99 Resp: 697231
Ion Ratio Lower Upper
99 100
42 21.1 16.4 24.6
71 41.3 32.4 48.6





#19

n-Nitroso-di-n-propylamine

Concen: 23.630 ng

RT: 7.351 min Scan# 89

Delta R.T. 0.141 min

Lab File: BF137305.D

Acq: 06 Feb 2024 21:49

Instrument :

BNA_F

ClientSampleId :

TP-4

Tgt Ion: 70 Resp: 79527

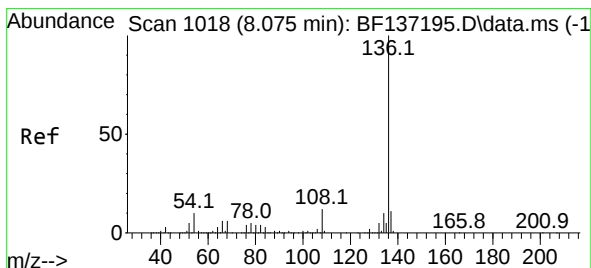
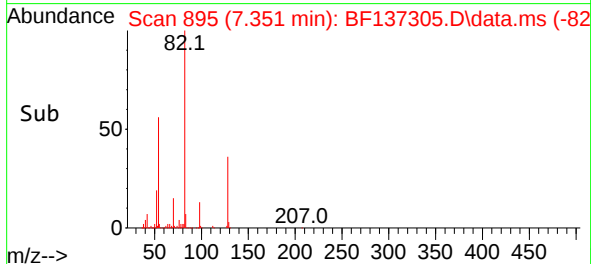
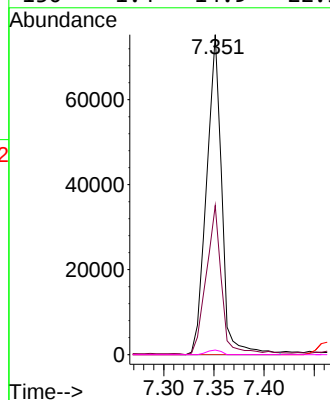
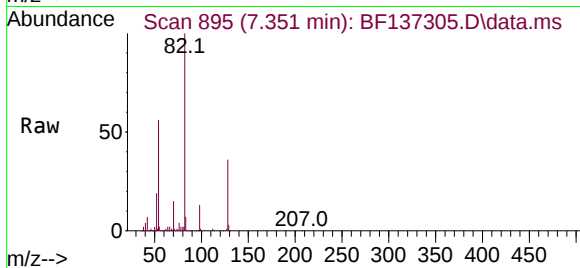
Ion Ratio Lower Upper

70 100

42 46.6 47.2 70.8#

101 0.0 7.4 11.0#

130 1.4 14.9 22.3#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.063 min Scan# 1016

Delta R.T. -0.012 min

Lab File: BF137305.D

Acq: 06 Feb 2024 21:49

Tgt Ion: 136 Resp: 218183

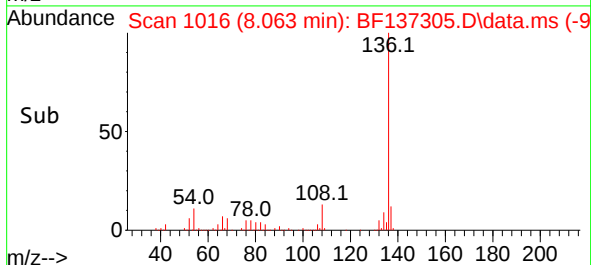
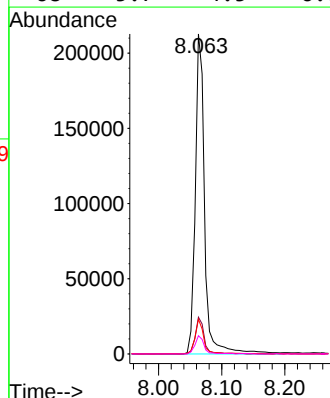
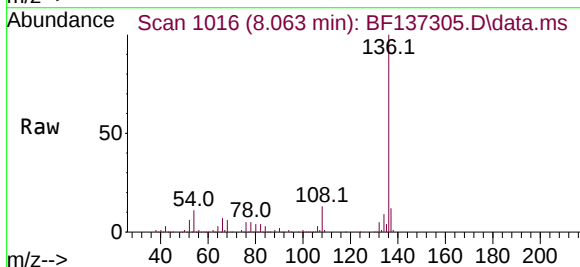
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 10.9 7.8 11.8

68 5.7 4.5 6.7

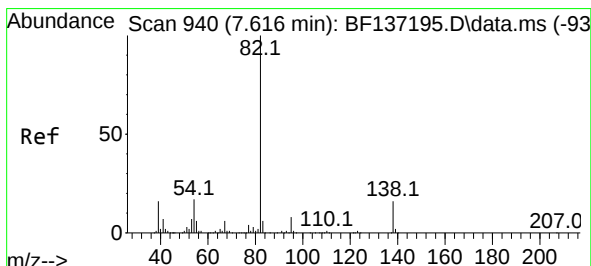
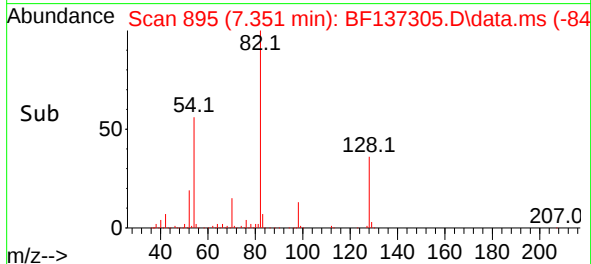
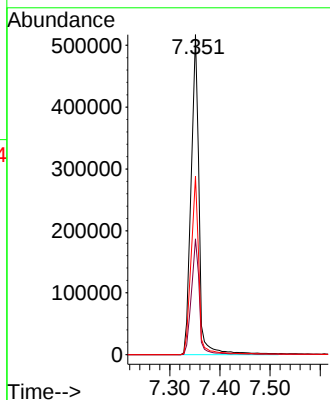
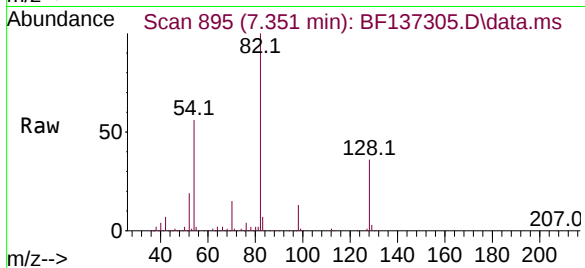




#23
Nitrobenzene-d5
Concen: 117.325 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF137305.D
Acq: 06 Feb 2024 21:49

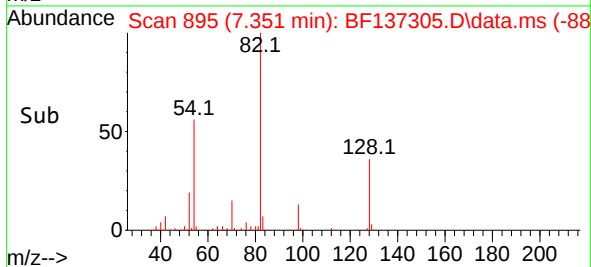
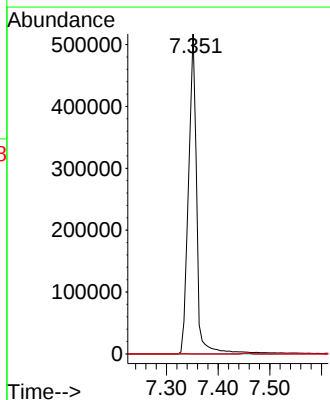
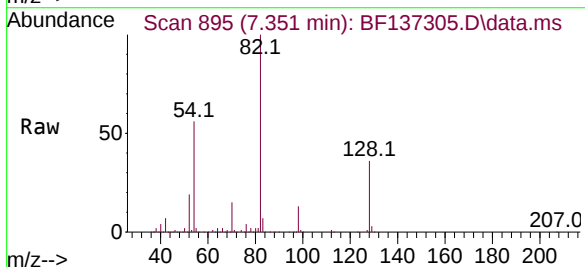
Instrument :
BNA_F
ClientSampleId :
TP-4

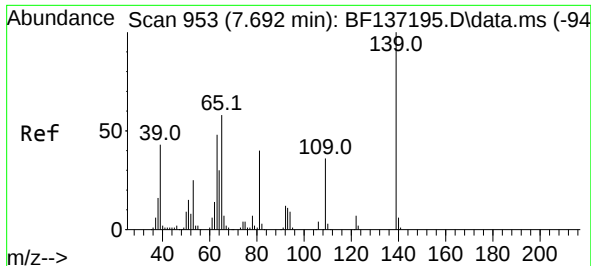
Tgt Ion: 82 Resp: 571752
Ion Ratio Lower Upper
82 100
128 36.2 29.1 43.7
54 55.7 45.0 67.6



#25
Isophorone
Concen: 63.568 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.265 min
Lab File: BF137305.D
Acq: 06 Feb 2024 21:49

Tgt Ion: 82 Resp: 571796
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 12.7 19.1#

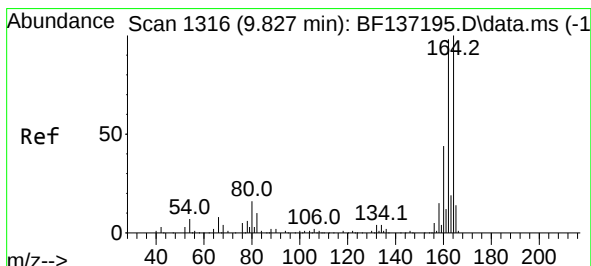
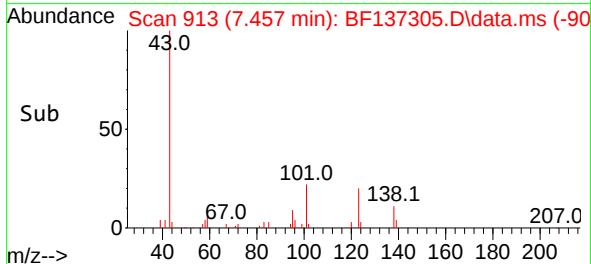
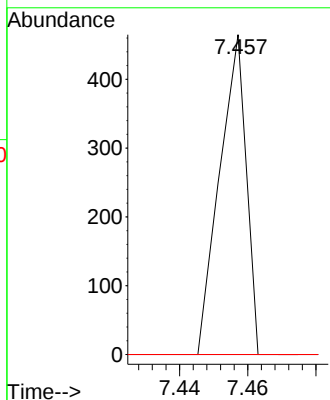
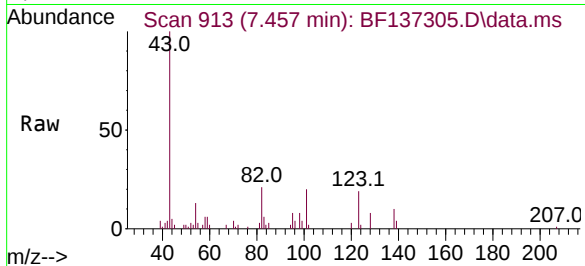




#26
2-Nitrophenol
Concen: 2.581 ng
RT: 7.457 min Scan# 91
Delta R.T. -0.235 min
Lab File: BF137305.D
Acq: 06 Feb 2024 21:49

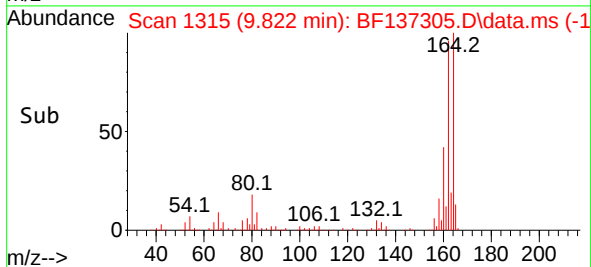
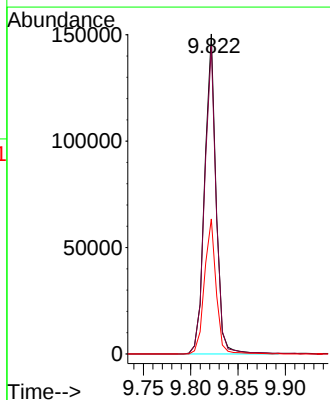
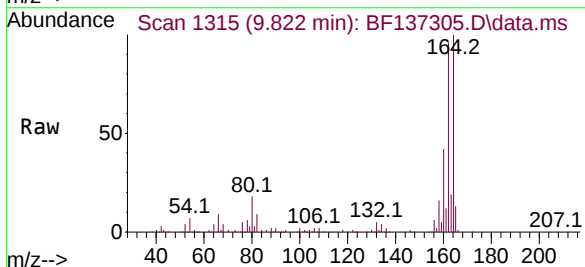
Instrument :
BNA_F
ClientSampleId :
TP-4

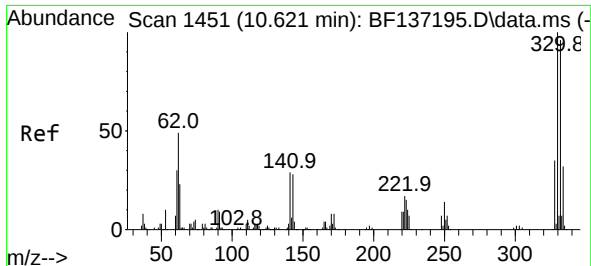
Tgt Ion:139 Resp: 252
Ion Ratio Lower Upper
139 100
109 0.0 28.5 42.7#
65 0.0 46.7 70.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.005 min
Lab File: BF137305.D
Acq: 06 Feb 2024 21:49

Tgt Ion:164 Resp: 126005
Ion Ratio Lower Upper
164 100
162 96.2 78.3 117.5
160 42.2 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 184.943 ng

RT: 10.616 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF137305.D

Acq: 06 Feb 2024 21:49

Instrument :

BNA_F

ClientSampleId :

TP-4

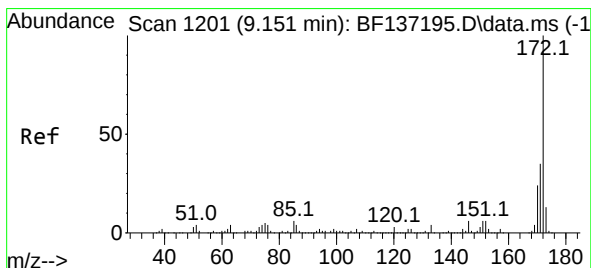
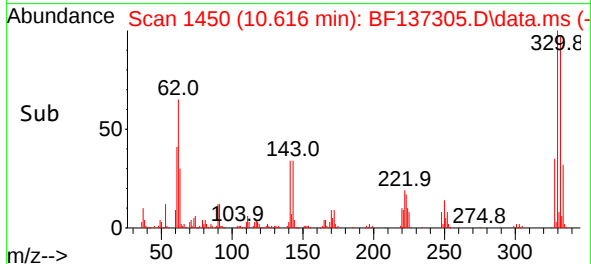
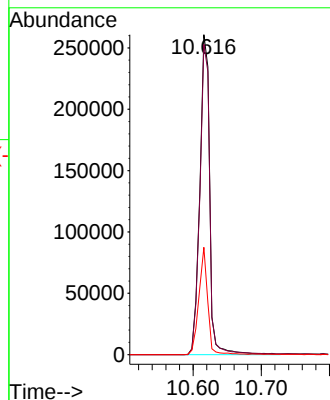
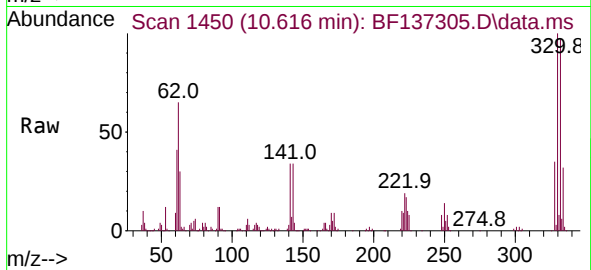
Tgt Ion:330 Resp: 263182

Ion Ratio Lower Upper

330 100

332 97.7 77.3 115.9

141 30.0 25.2 37.8



#45

2-Fluorobiphenyl

Concen: 110.474 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF137305.D

Acq: 06 Feb 2024 21:49

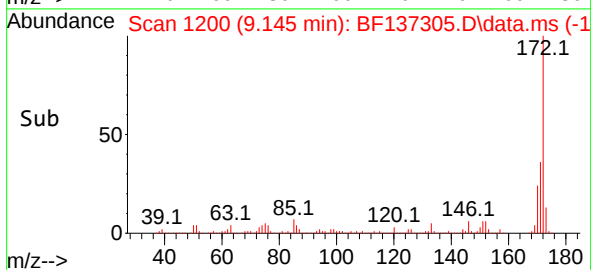
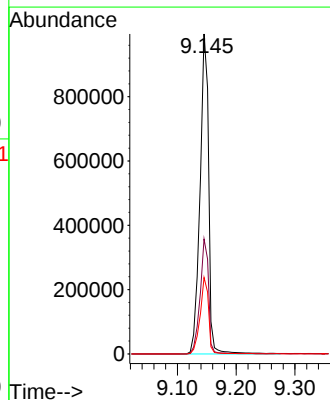
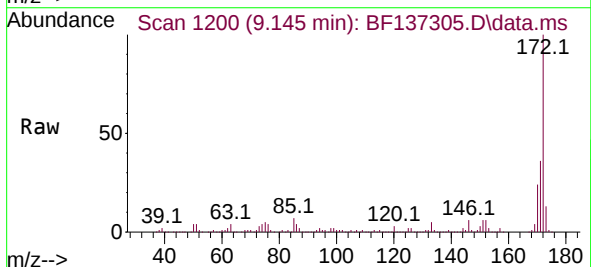
Tgt Ion:172 Resp: 1012625

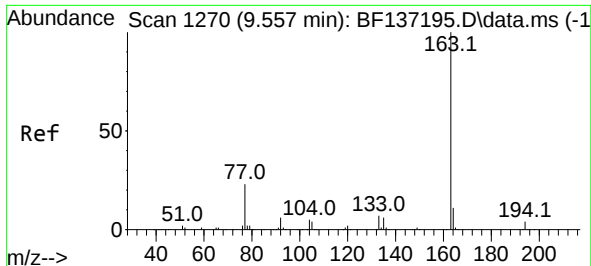
Ion Ratio Lower Upper

172 100

171 35.9 28.3 42.5

170 23.9 19.1 28.7

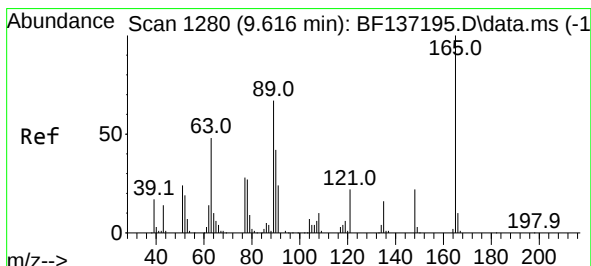
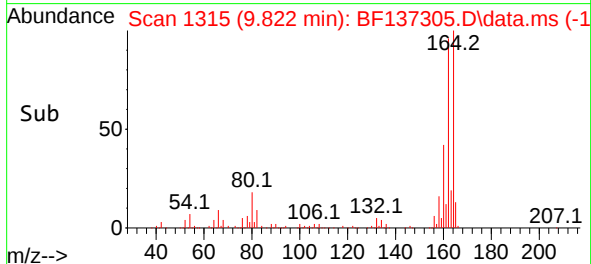
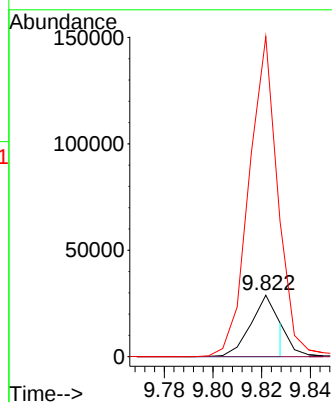
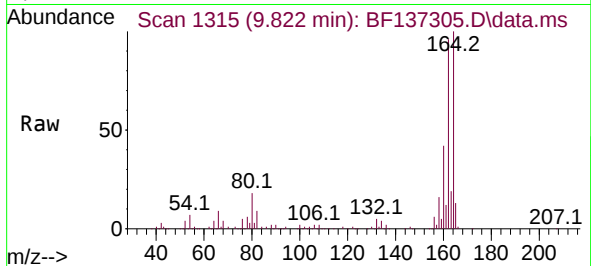




#50
Dimethylphthalate
Concen: 2.713 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.265 min
Lab File: BF137305.D
Acq: 06 Feb 2024 21:49

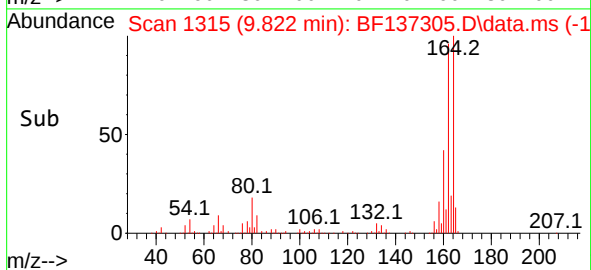
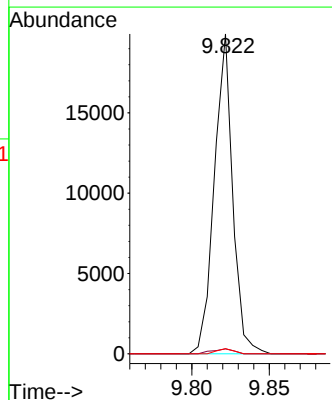
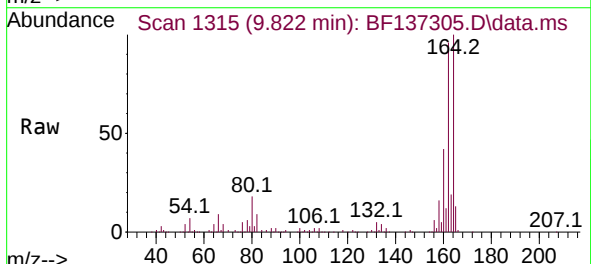
Instrument :
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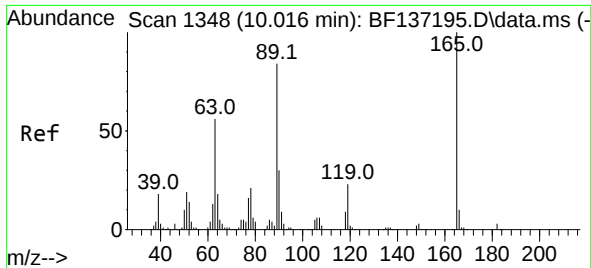
Tgt Ion:163 Resp: 23093
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 521.2 8.6 13.0#



#51
2,6-Dinitrotoluene
Concen: 9.018 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.206 min
Lab File: BF137305.D
Acq: 06 Feb 2024 21:49

Tgt Ion:165 Resp: 16369
Ion Ratio Lower Upper
165 100
63 1.6 55.1 82.7#
89 1.6 53.5 80.3#

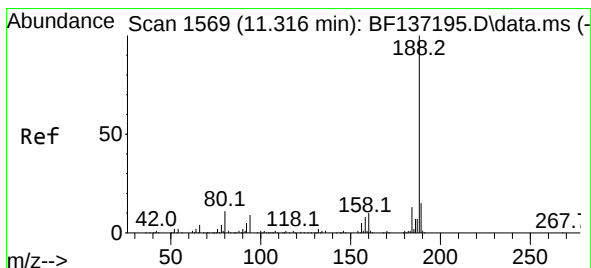
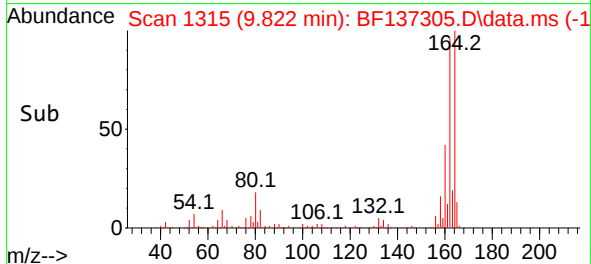
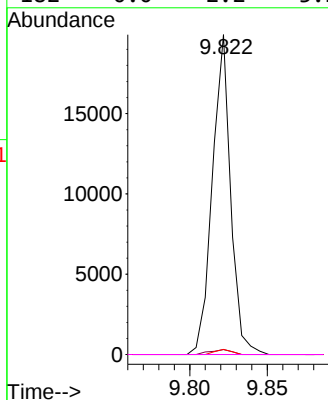
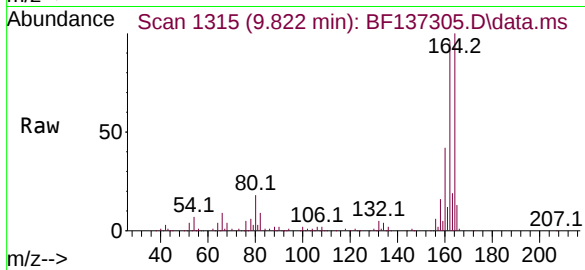




#57
2,4-Dinitrotoluene
Concen: 6.950 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.194 min
Lab File: BF137305.D
Acq: 06 Feb 2024 21:49

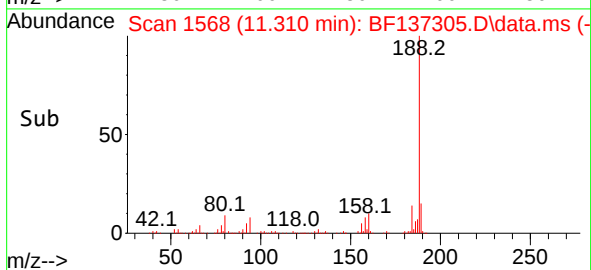
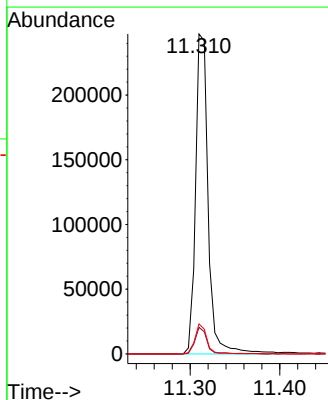
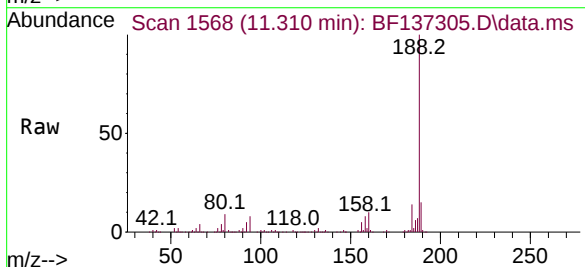
Instrument :
BNA_F
ClientSampleId :
TP-4

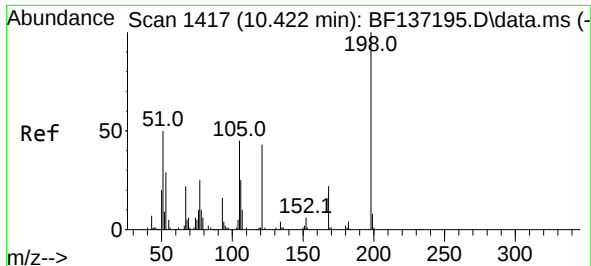
Tgt Ion:165 Resp: 16369
Ion Ratio Lower Upper
165 100
63 1.6 46.1 69.1#
89 1.6 67.5 101.3#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF137305.D
Acq: 06 Feb 2024 21:49

Tgt Ion:188 Resp: 240943
Ion Ratio Lower Upper
188 100
94 8.3 7.0 10.4
80 9.4 8.8 13.2





#65

4,6-Dinitro-2-methylphenol

Concen: 5.908 ng

RT: 10.616 min Scan# 1417

Delta R.T. 0.194 min

Lab File: BF137305.D

Acq: 06 Feb 2024 21:49

Instrument :

BNA_F

ClientSampleId :

TP-4

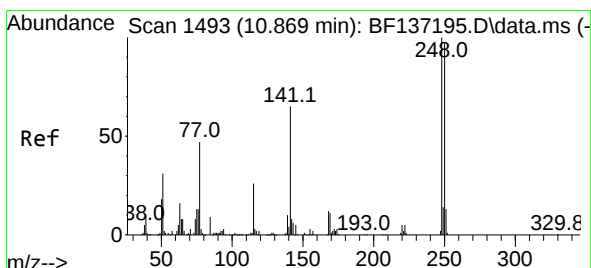
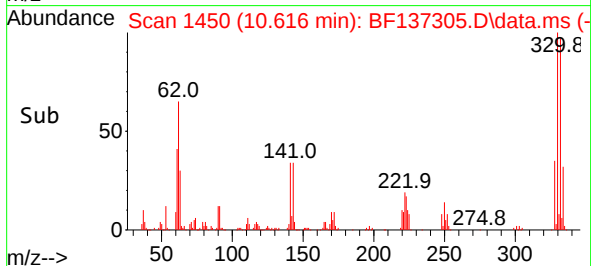
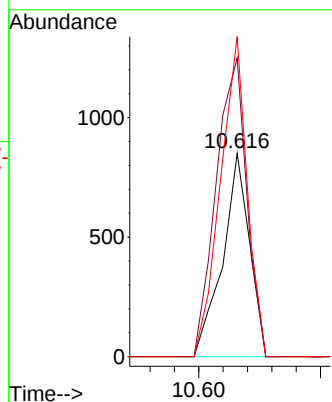
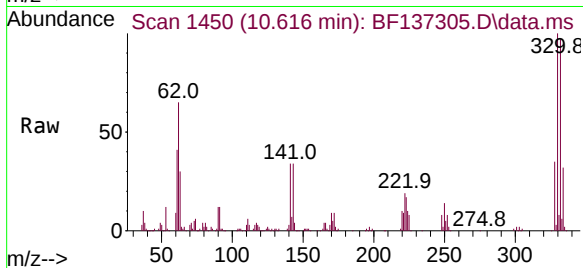
Tgt Ion:198 Resp: 653

Ion Ratio Lower Upper

198 100

51 146.8 40.9 80.9#

105 157.3 26.5 66.5#



#67

4-Bromophenyl-phenylether

Concen: 6.632 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.253 min

Lab File: BF137305.D

Acq: 06 Feb 2024 21:49

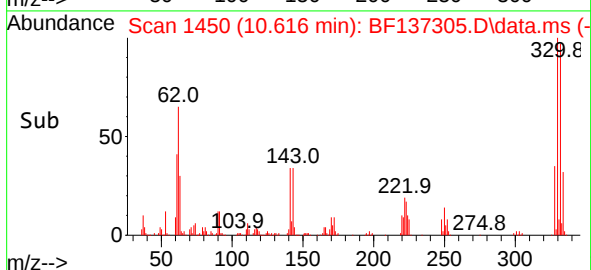
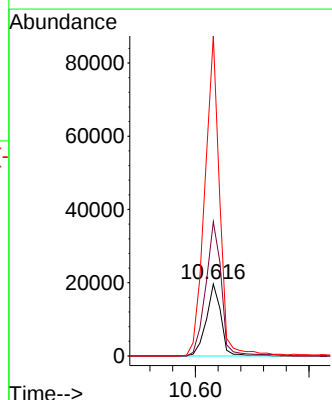
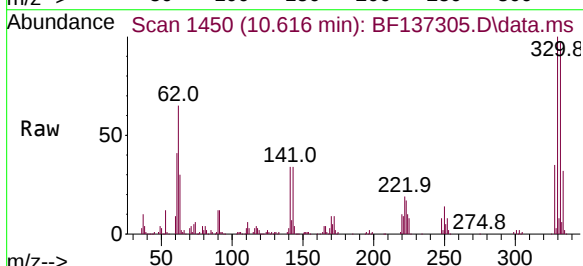
Tgt Ion:248 Resp: 17571

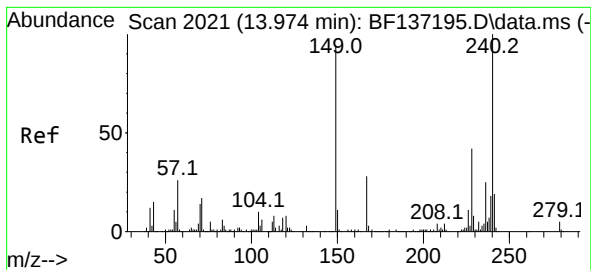
Ion Ratio Lower Upper

248 100

250 186.7 77.7 116.5#

141 445.3 51.6 77.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF137305.D

Acq: 06 Feb 2024 21:49

Instrument :

BNA_F

ClientSampleId :

TP-4

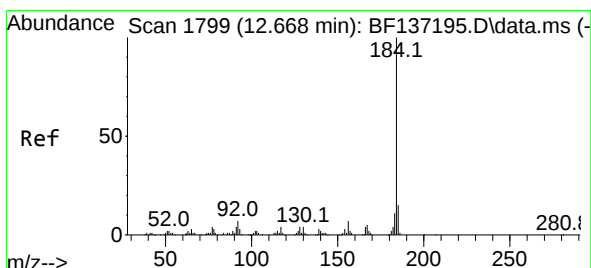
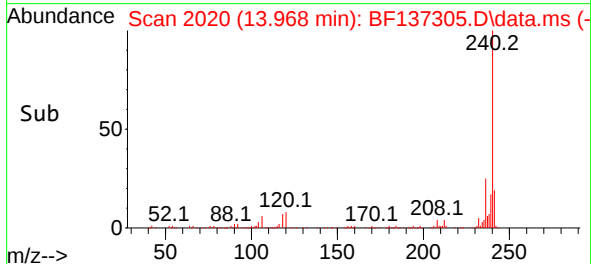
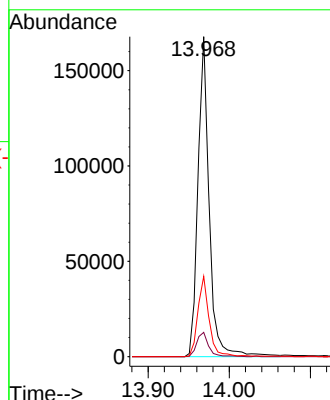
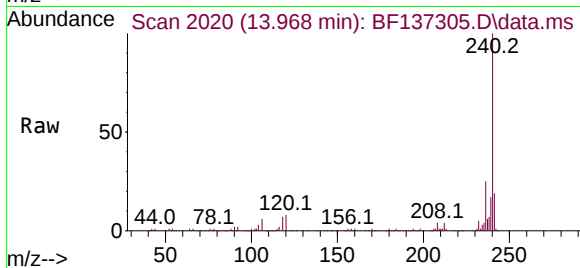
Tgt Ion:240 Resp: 161105

Ion Ratio Lower Upper

240 100

120 7.6 6.3 9.5

236 25.1 20.3 30.5



#77

Benzdine

Concen: 5.695 ng

RT: 12.921 min Scan# 1842

Delta R.T. 0.253 min

Lab File: BF137305.D

Acq: 06 Feb 2024 21:49

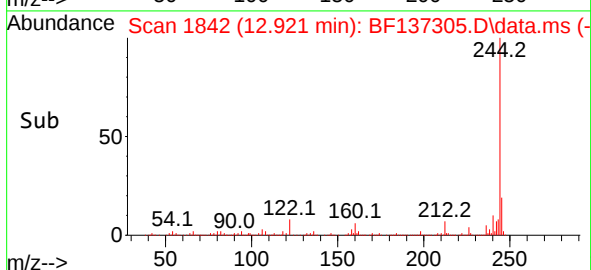
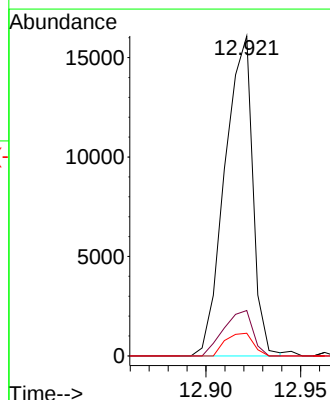
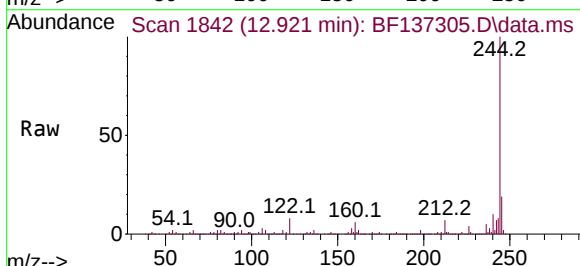
Tgt Ion:184 Resp: 16428

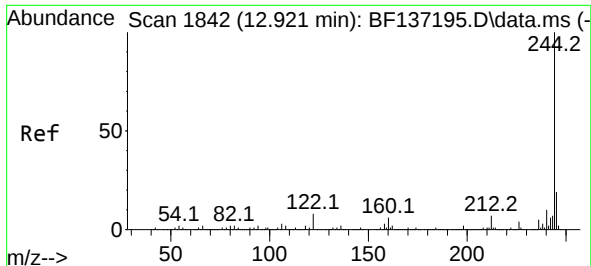
Ion Ratio Lower Upper

184 100

185 14.2 11.9 17.9

183 7.1 8.8 13.2#

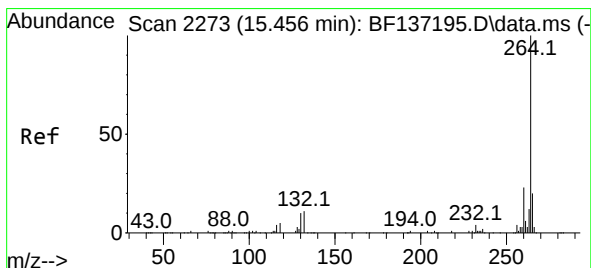
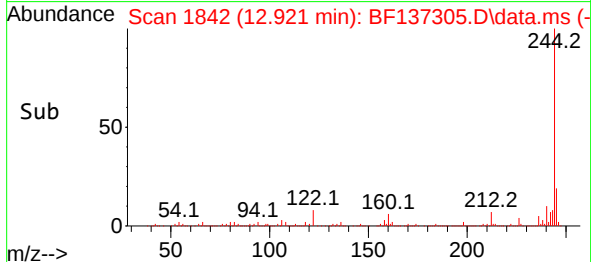
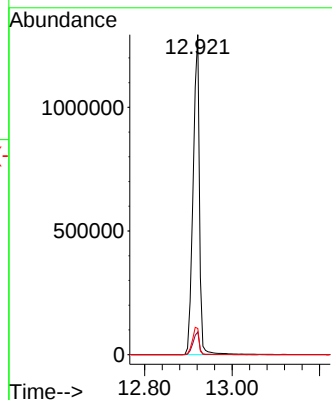
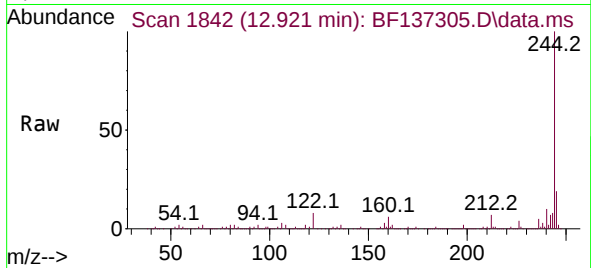




#79
 Terphenyl-d14
 Concen: 109.539 ng
 RT: 12.921 min Scan# 1842
 Delta R.T. 0.000 min
 Lab File: BF137305.D
 Acq: 06 Feb 2024 21:49

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Tgt Ion:244 Resp: 1298121
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.5 8.3
 122 8.2 6.2 9.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.451 min Scan# 2272
 Delta R.T. -0.006 min
 Lab File: BF137305.D
 Acq: 06 Feb 2024 21:49

Tgt Ion:264 Resp: 147547
 Ion Ratio Lower Upper
 264 100
 260 22.6 18.2 27.4
 265 21.4 16.2 24.2

