

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020624\
 Data File : BF137298.D
 Acq On : 06 Feb 2024 18:22
 Operator : CG\JU
 Sample : P1318-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CO-11-GRID-2

Quant Time: Feb 07 00:58:11 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)

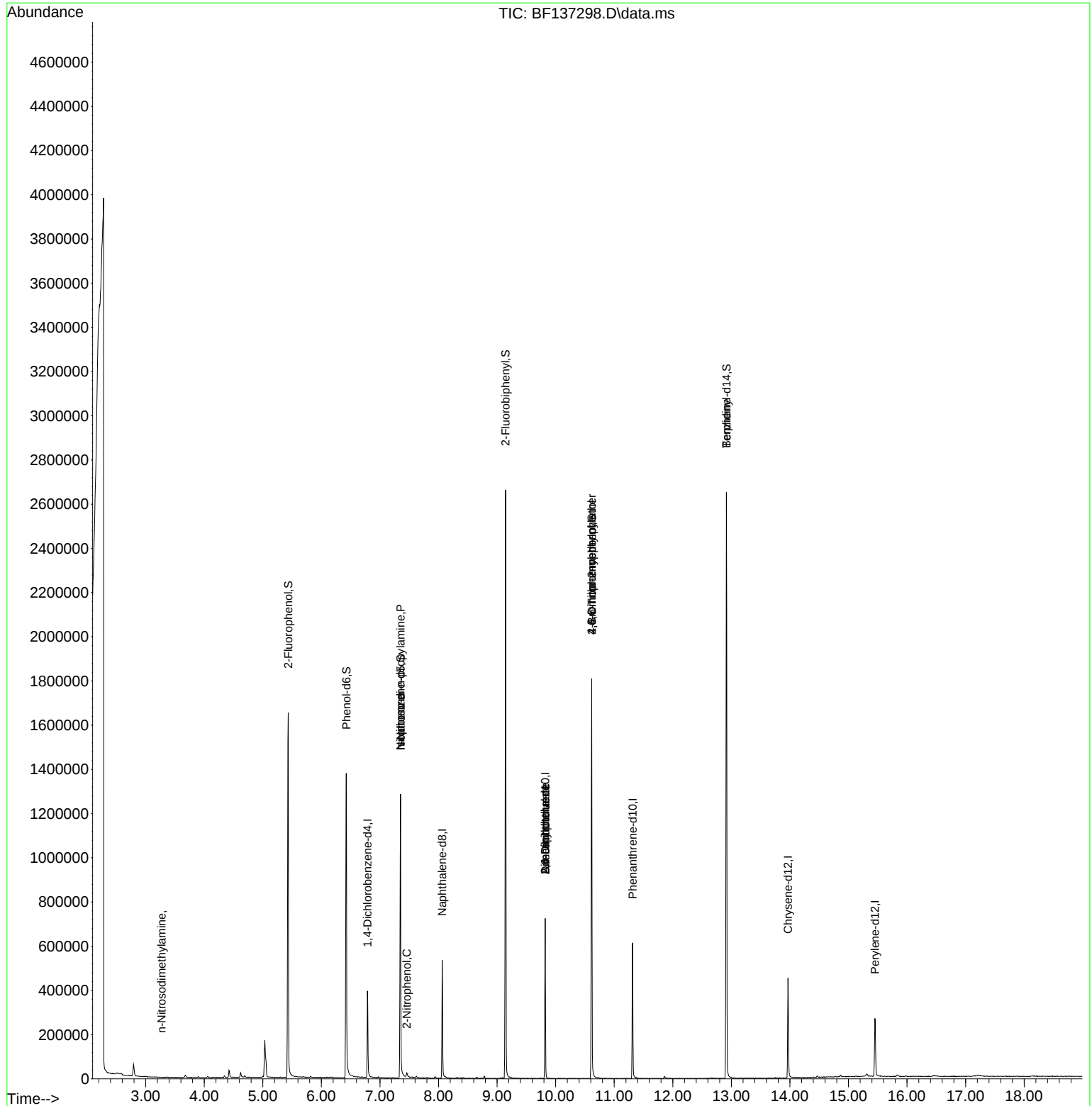
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	57465	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	221807	20.000	ng	-0.01
39) Acenaphthene-d10	9.822	164	133689	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	250356	20.000	ng	# 0.00
76) Chrysene-d12	13.969	240	161167	20.000	ng	0.00
86) Perylene-d12	15.451	264	137052	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	430480	123.610	ng	0.02
7) Phenol-d6	6.428	99	516054	103.835	ng	0.00
23) Nitrobenzene-d5	7.351	82	417277	84.227	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	205813	136.316	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	781893	80.399	ng	0.00
79) Terphenyl-d14	12.916	244	1041618	87.861	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.269	42	257	6.178	ng	# 1
19) n-Nitroso-di-n-propyla...	7.351	70	58418	17.143	ng	# 78
25) Isophorone	7.351	82	417271	45.631	ng	# 67
26) 2-Nitrophenol	7.457	139	138	2.520	ng	# 28
50) Dimethylphthalate	9.822	163	24626	2.727	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	16574	8.606	ng	# 17
57) 2,4-Dinitrotoluene	9.822	165	16574	6.632	ng	# 16
65) 4,6-Dinitro-2-methylph...	10.616	198	404	5.725	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	13676	4.968	ng	# 1
77) Benzidine	12.916	184	13403	4.644	ng	# 94

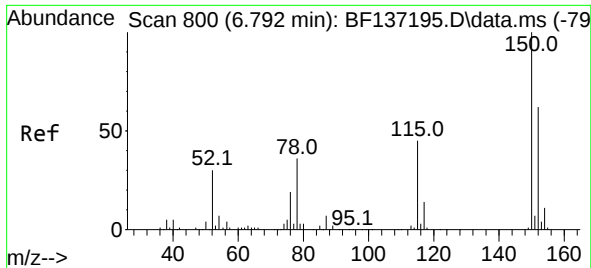
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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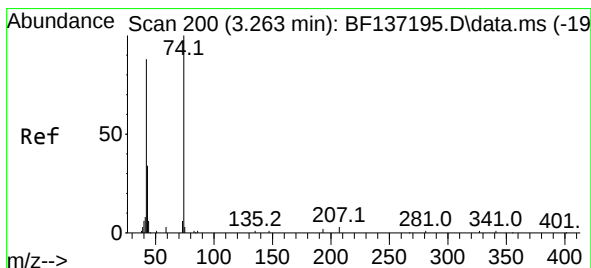
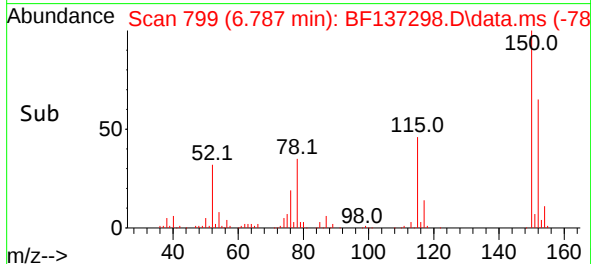
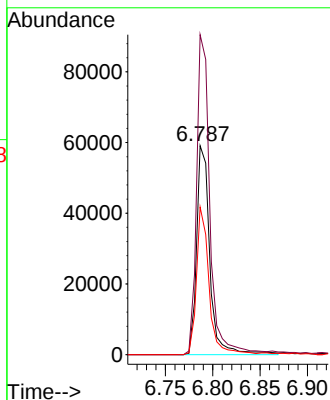
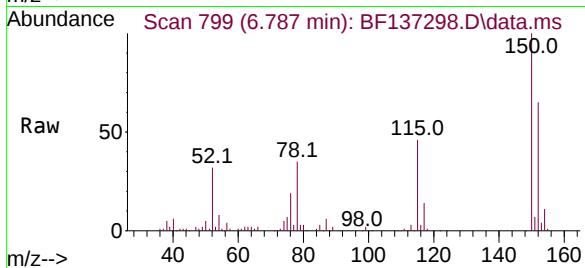




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF137298.D
Acq: 06 Feb 2024 18:22

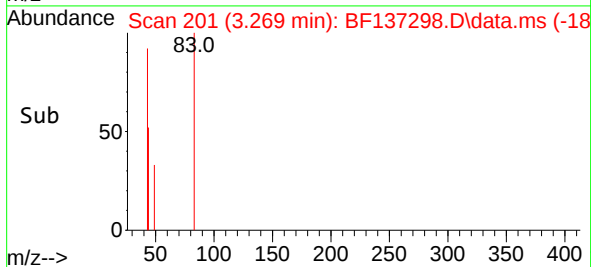
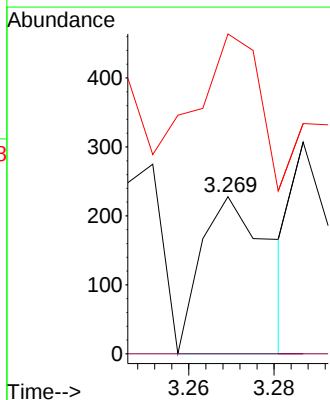
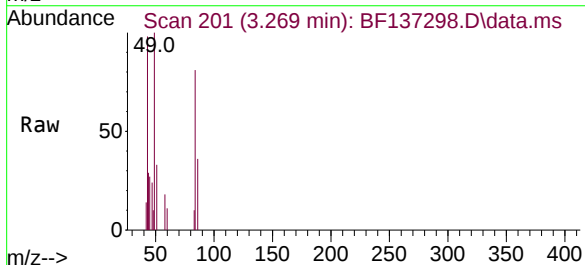
Instrument :
BNA_F
ClientSampleId :
CO-11-GRID-2

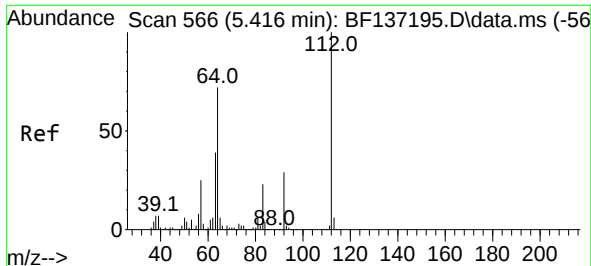
Tgt Ion:152 Resp: 57465
Ion Ratio Lower Upper
152 100
150 153.2 129.8 194.8
115 70.7 58.5 87.7



#4
n-Nitrosodimethylamine
Concen: 6.178 ng
RT: 3.269 min Scan# 201
Delta R.T. 0.006 min
Lab File: BF137298.D
Acq: 06 Feb 2024 18:22

Tgt Ion: 42 Resp: 257
Ion Ratio Lower Upper
42 100
74 0.0 90.5 135.7#
44 203.5 6.1 9.1#

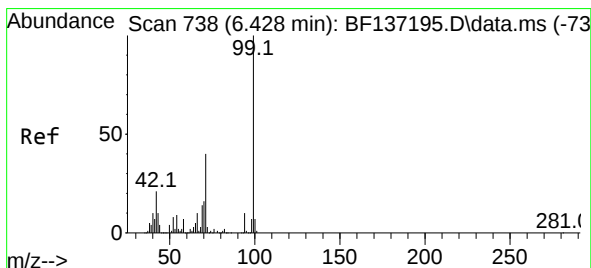
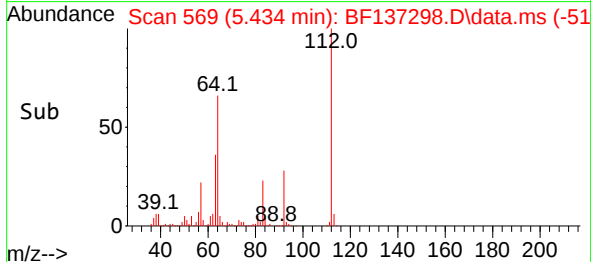
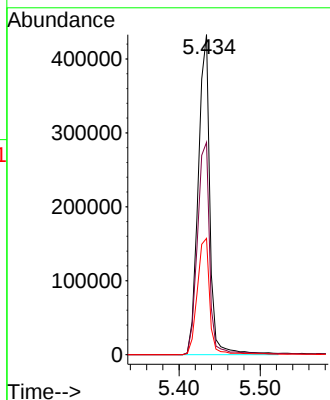
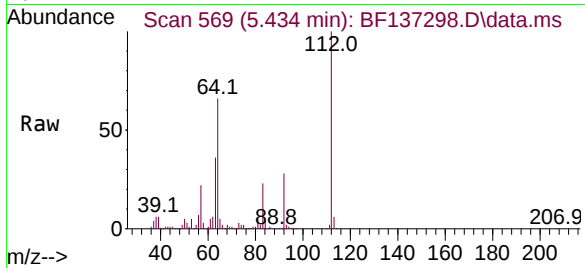




#5
2-Fluorophenol
Concen: 123.610 ng
RT: 5.434 min Scan# 566
Delta R.T. 0.018 min
Lab File: BF137298.D
Acq: 06 Feb 2024 18:22

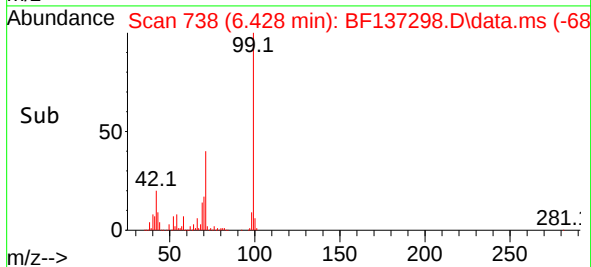
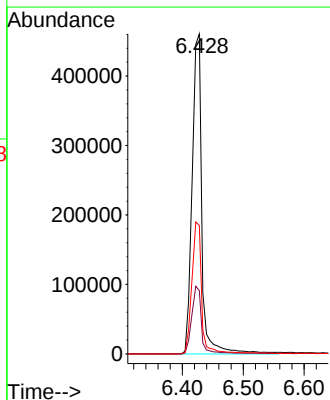
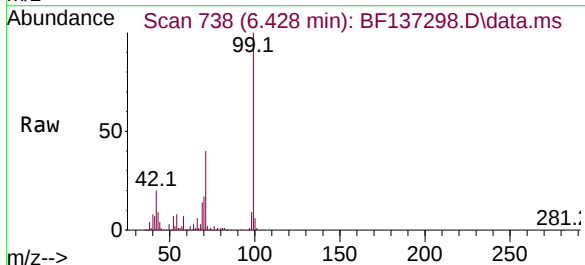
Instrument :
BNA_F
ClientSampleId :
CO-11-GRID-2

Tgt Ion:112 Resp: 430480
Ion Ratio Lower Upper
112 100
64 66.3 57.8 86.6
63 36.3 31.4 47.0



#7
Phenol-d6
Concen: 103.835 ng
RT: 6.428 min Scan# 738
Delta R.T. 0.000 min
Lab File: BF137298.D
Acq: 06 Feb 2024 18:22

Tgt Ion: 99 Resp: 516054
Ion Ratio Lower Upper
99 100
42 19.8 16.4 24.6
71 40.1 32.4 48.6





#19

n-Nitroso-di-n-propylamine

Concen: 17.143 ng

RT: 7.351 min Scan# 89

Delta R.T. 0.141 min

Lab File: BF137298.D

Acq: 06 Feb 2024 18:22

Instrument :

BNA_F

ClientSampleId :

CO-11-GRID-2

Tgt Ion: 70 Resp: 58418

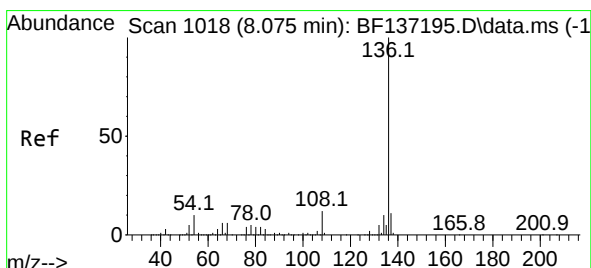
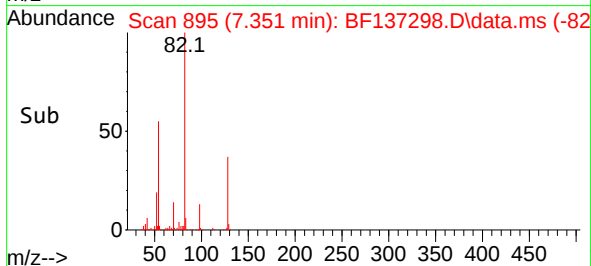
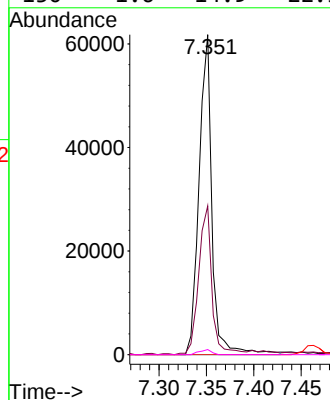
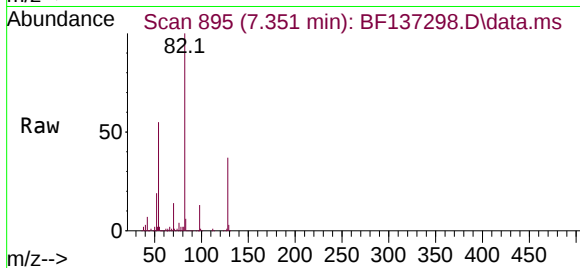
Ion Ratio Lower Upper

70 100

42 46.5 47.2 70.8#

101 0.0 7.4 11.0#

130 1.6 14.9 22.3#



#21

Napthalene-d8

Concen: 20.000 ng

RT: 8.063 min Scan# 1016

Delta R.T. -0.012 min

Lab File: BF137298.D

Acq: 06 Feb 2024 18:22

Tgt Ion:136 Resp: 221807

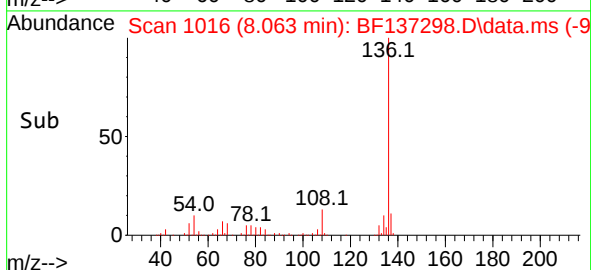
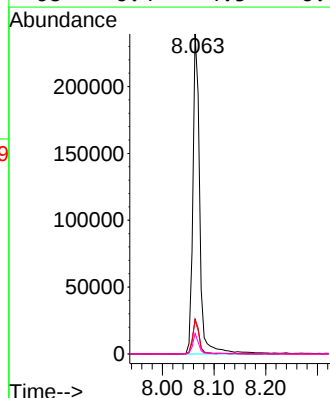
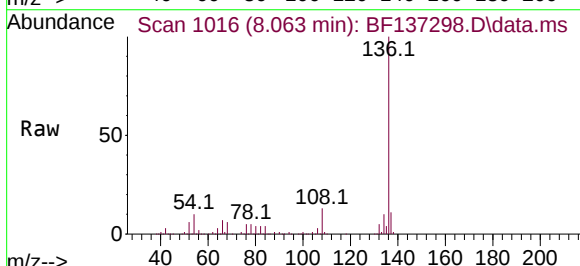
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 10.5 7.8 11.8

68 6.4 4.5 6.7





#23

Nitrobenzene-d5

Concen: 84.227 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF137298.D

Acq: 06 Feb 2024 18:22

Instrument :

BNA_F

ClientSampleId :

CO-11-GRID-2

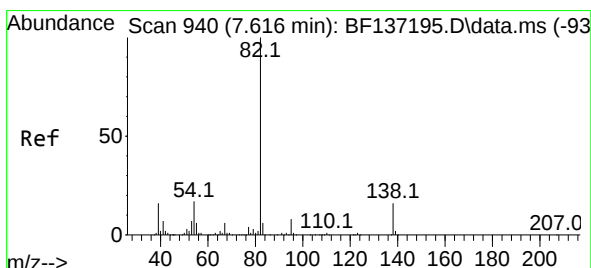
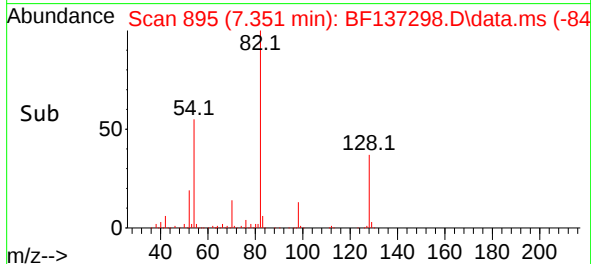
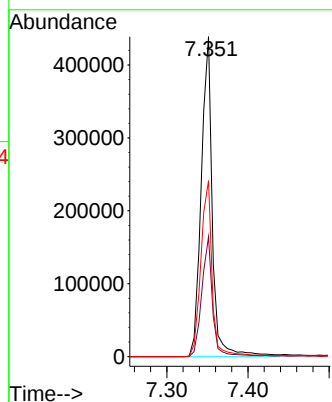
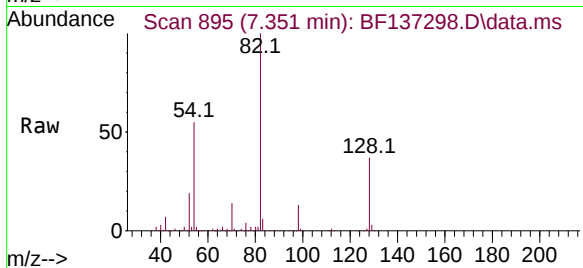
Tgt Ion: 82 Resp: 417277

Ion Ratio Lower Upper

82 100

128 37.4 29.1 43.7

54 55.0 45.0 67.6



#25

Isophorone

Concen: 45.631 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.265 min

Lab File: BF137298.D

Acq: 06 Feb 2024 18:22

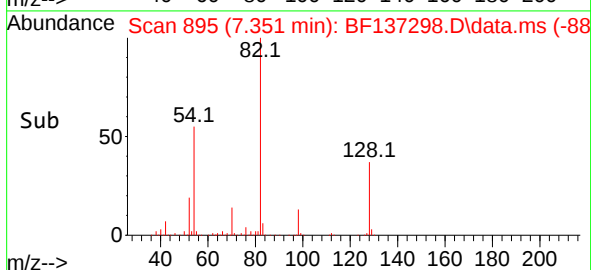
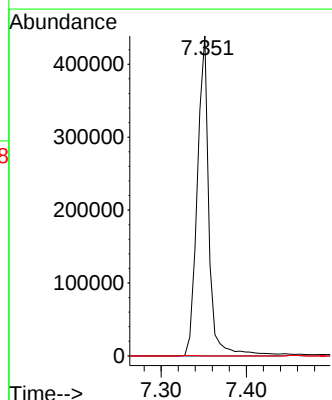
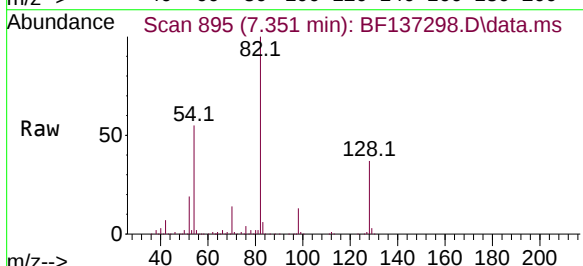
Tgt Ion: 82 Resp: 417271

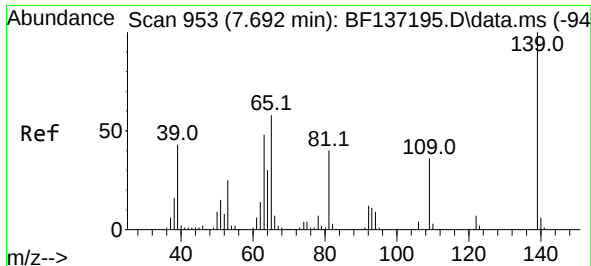
Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

138 0.0 12.7 19.1#

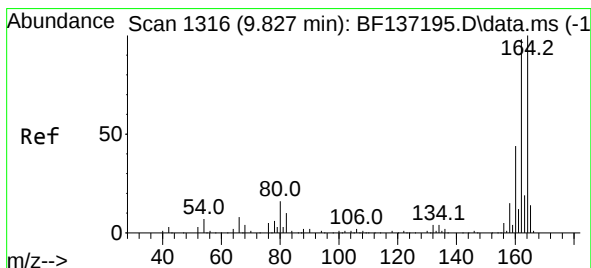
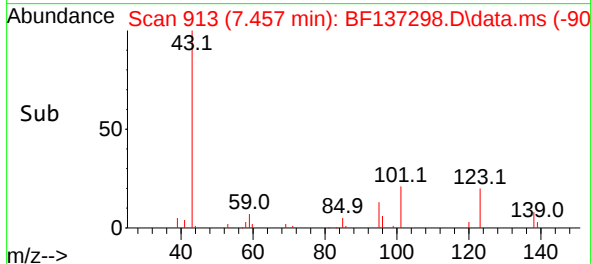
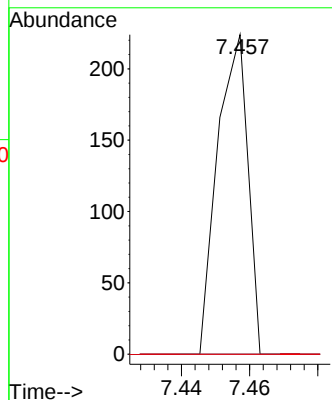
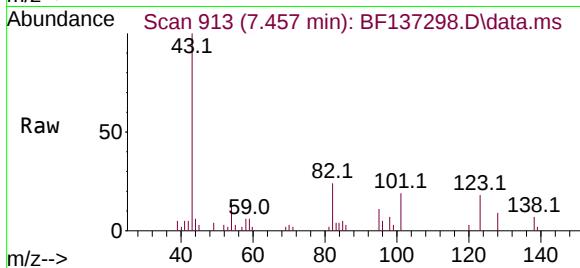




#26
2-Nitrophenol
Concen: 2.520 ng
RT: 7.457 min Scan# 91
Delta R.T. -0.235 min
Lab File: BF137298.D
Acq: 06 Feb 2024 18:22

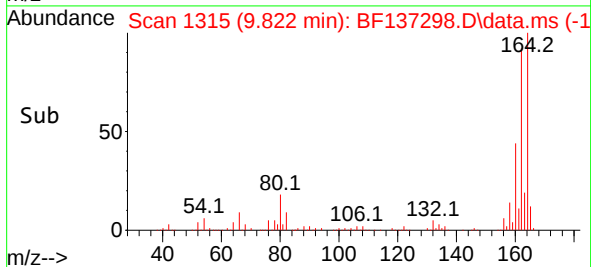
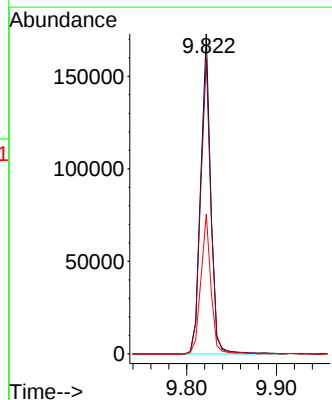
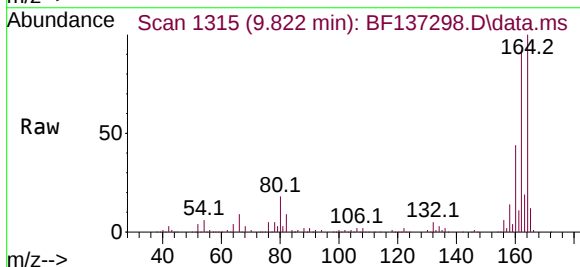
Instrument :
BNA_F
ClientSampleId :
CO-11-GRID-2

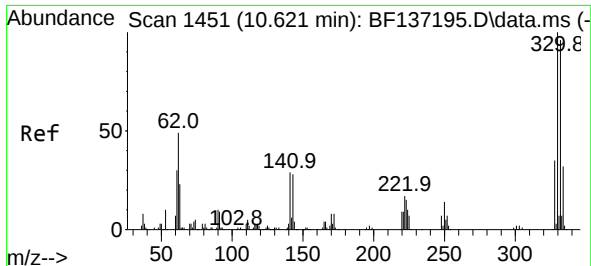
Tgt Ion:139 Resp: 138
Ion Ratio Lower Upper
139 100
109 0.0 28.5 42.7#
65 0.0 46.7 70.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.005 min
Lab File: BF137298.D
Acq: 06 Feb 2024 18:22

Tgt Ion:164 Resp: 133689
Ion Ratio Lower Upper
164 100
162 92.5 78.3 117.5
160 43.7 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 136.316 ng

RT: 10.616 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF137298.D

Acq: 06 Feb 2024 18:22

Instrument :

BNA_F

ClientSampleId :

CO-11-GRID-2

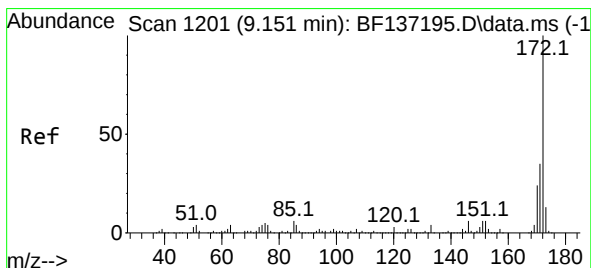
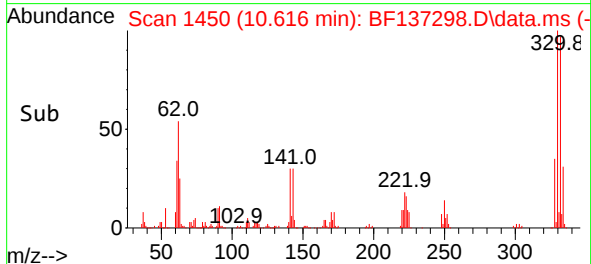
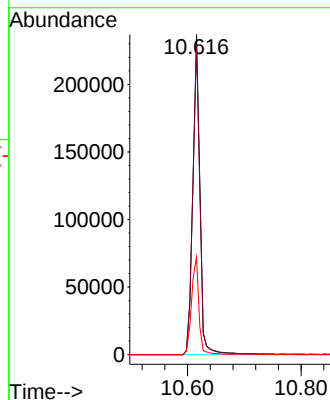
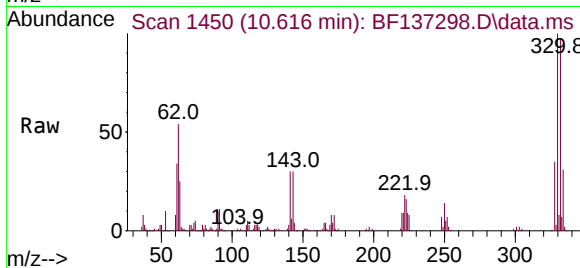
Tgt Ion:330 Resp: 205813

Ion Ratio Lower Upper

330 100

332 96.6 77.3 115.9

141 31.3 25.2 37.8



#45

2-Fluorobiphenyl

Concen: 80.399 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF137298.D

Acq: 06 Feb 2024 18:22

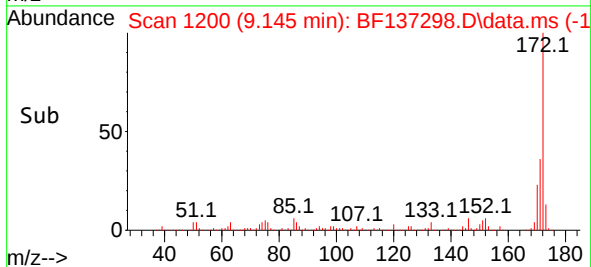
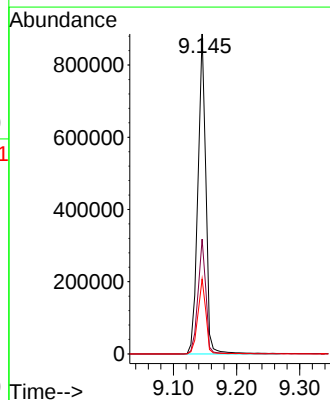
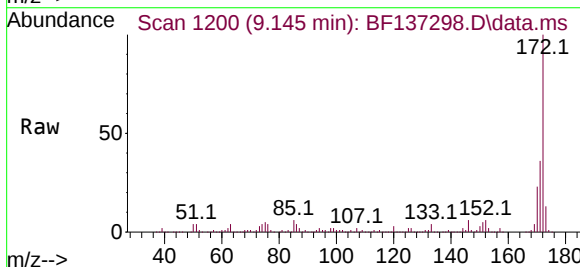
Tgt Ion:172 Resp: 781893

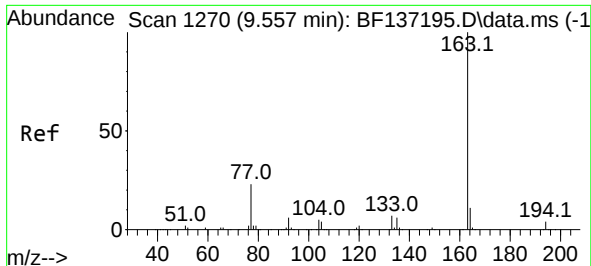
Ion Ratio Lower Upper

172 100

171 35.9 28.3 42.5

170 23.4 19.1 28.7

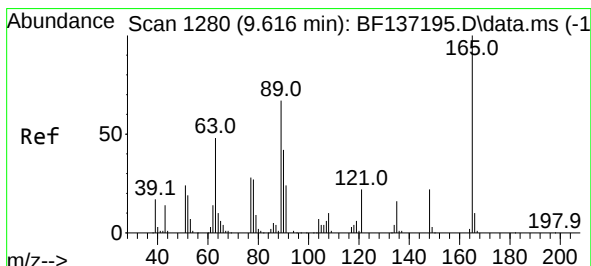
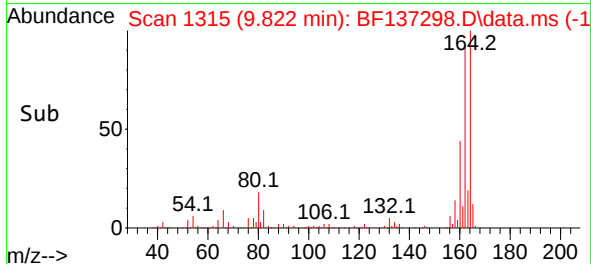
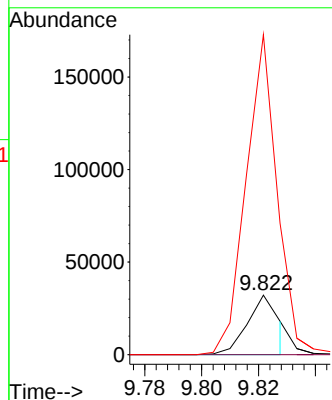
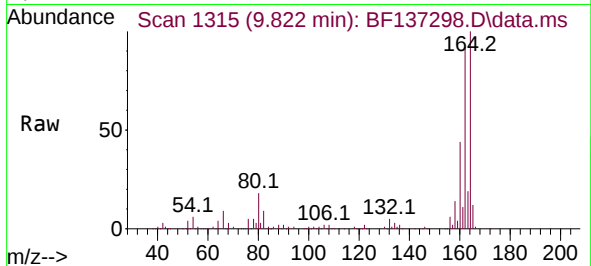




#50
Dimethylphthalate
Concen: 2.727 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.265 min
Lab File: BF137298.D
Acq: 06 Feb 2024 18:22

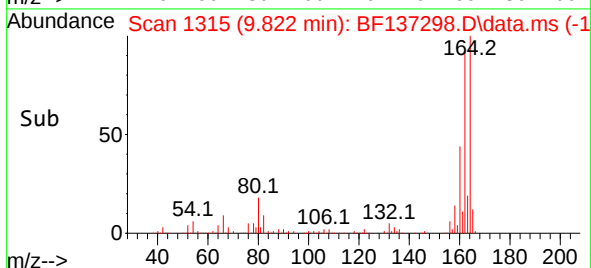
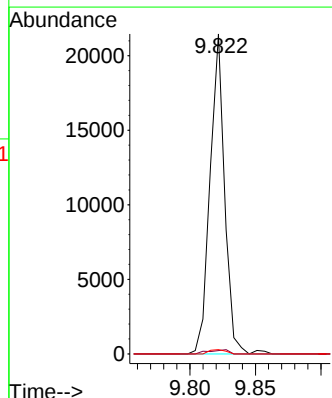
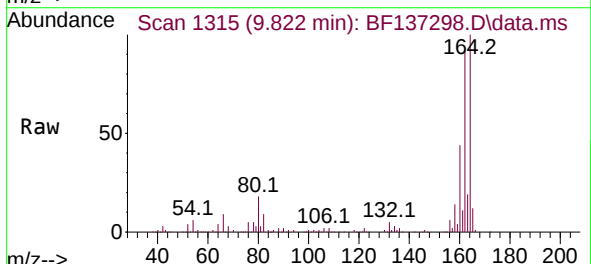
Instrument :
BNA_F
ClientSampleId :
CO-11-GRID-2

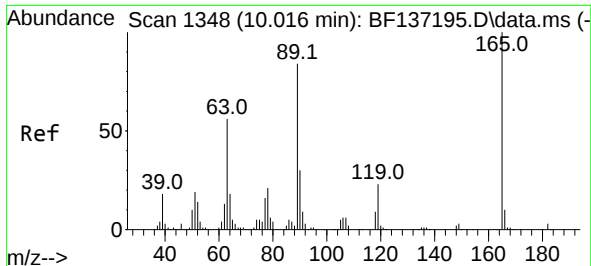
Tgt Ion:163 Resp: 24626
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 538.1 8.6 13.0#



#51
2,6-Dinitrotoluene
Concen: 8.606 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.206 min
Lab File: BF137298.D
Acq: 06 Feb 2024 18:22

Tgt Ion:165 Resp: 16574
Ion Ratio Lower Upper
165 100
63 1.0 55.1 82.7#
89 1.3 53.5 80.3#

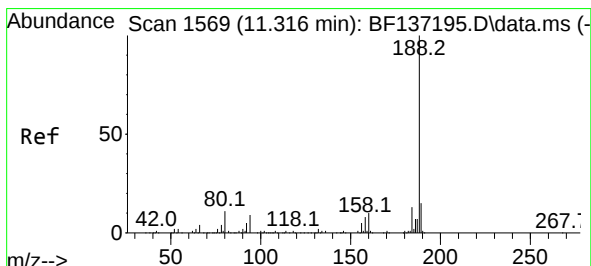
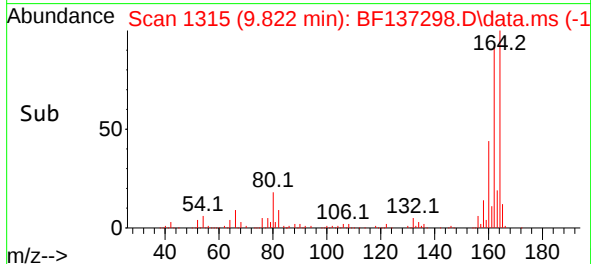
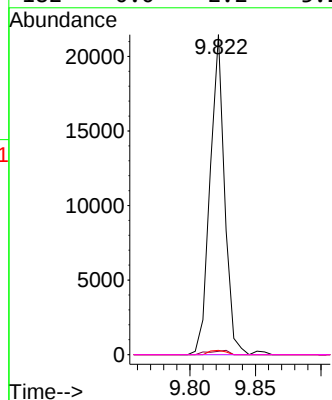
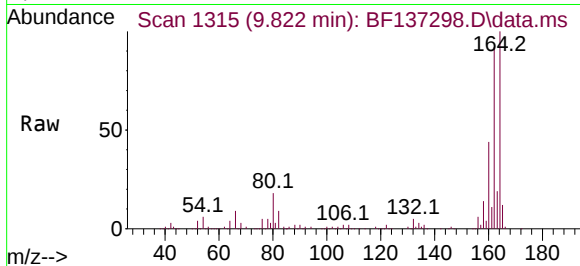




#57
2,4-Dinitrotoluene
Concen: 6.632 ng
RT: 9.822 min Scan# 1348
Delta R.T. -0.194 min
Lab File: BF137298.D
Acq: 06 Feb 2024 18:22

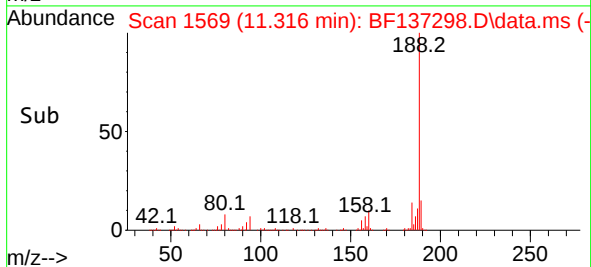
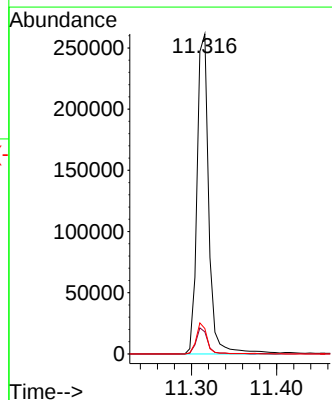
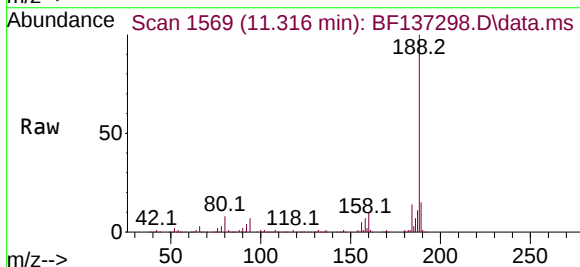
Instrument :
BNA_F
ClientSampleId :
CO-11-GRID-2

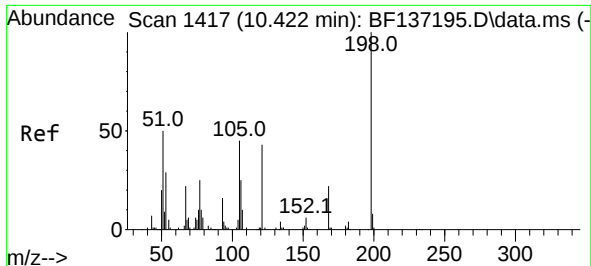
Tgt Ion:165 Resp: 16574
Ion Ratio Lower Upper
165 100
63 1.0 46.1 69.1#
89 1.3 67.5 101.3#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BF137298.D
Acq: 06 Feb 2024 18:22

Tgt Ion:188 Resp: 250356
Ion Ratio Lower Upper
188 100
94 6.9 7.0 10.4#
80 7.9 8.8 13.2#

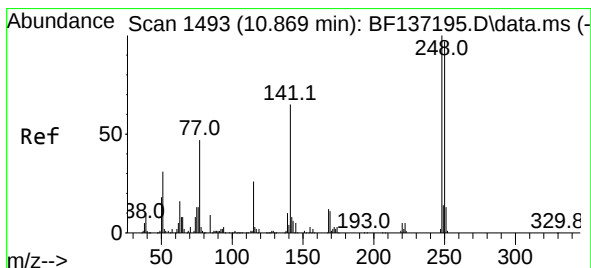
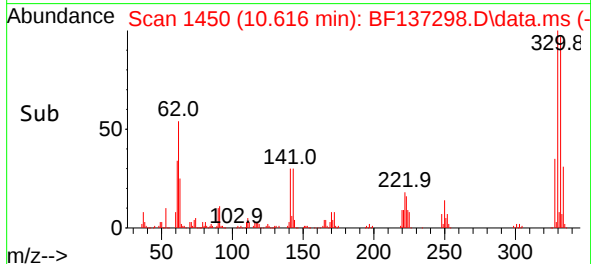
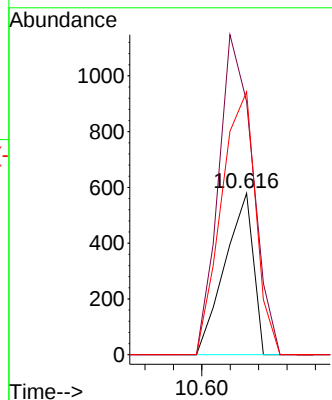
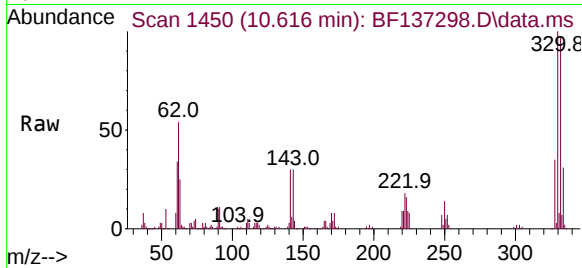




#65
4,6-Dinitro-2-methylphenol
Concen: 5.725 ng
RT: 10.616 min Scan# 1417
Delta R.T. 0.194 min
Lab File: BF137298.D
Acq: 06 Feb 2024 18:22

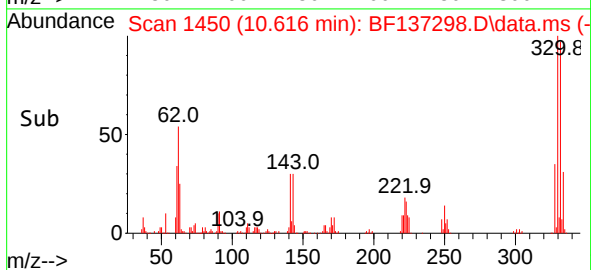
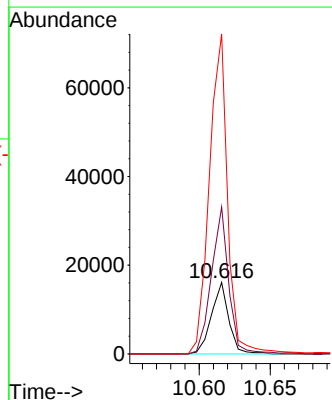
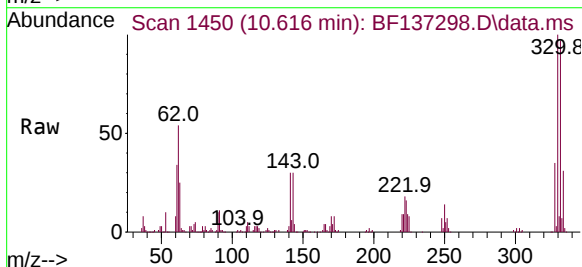
Instrument :
BNA_F
ClientSampleId :
CO-11-GRID-2

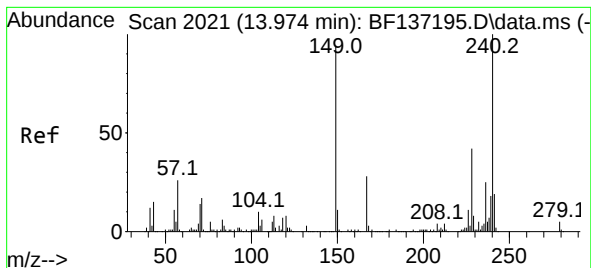
Tgt Ion:198 Resp: 404
Ion Ratio Lower Upper
198 100
51 156.8 40.9 80.9#
105 162.9 26.5 66.5#



#67
4-Bromophenyl-phenylether
Concen: 4.968 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.253 min
Lab File: BF137298.D
Acq: 06 Feb 2024 18:22

Tgt Ion:248 Resp: 13676
Ion Ratio Lower Upper
248 100
250 205.9 77.7 116.5#
141 448.1 51.6 77.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF137298.D

Acq: 06 Feb 2024 18:22

Instrument :

BNA_F

ClientSampleId :

CO-11-GRID-2

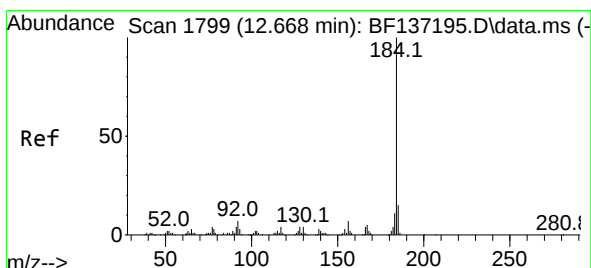
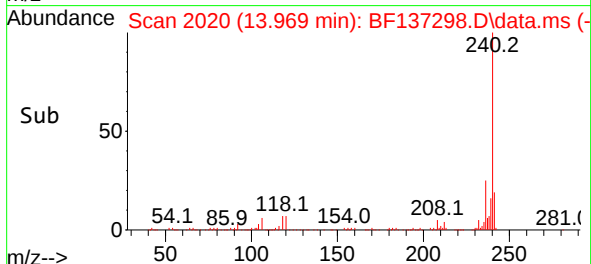
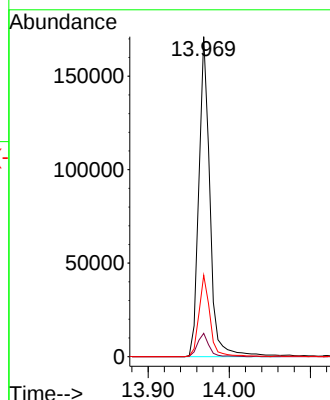
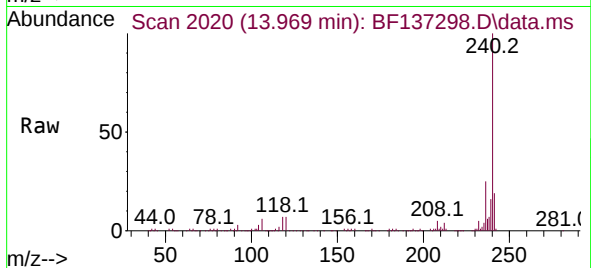
Tgt Ion:240 Resp: 161167

Ion Ratio Lower Upper

240 100

120 7.3 6.3 9.5

236 25.4 20.3 30.5



#77

Benzidine

Concen: 4.644 ng

RT: 12.916 min Scan# 1841

Delta R.T. 0.248 min

Lab File: BF137298.D

Acq: 06 Feb 2024 18:22

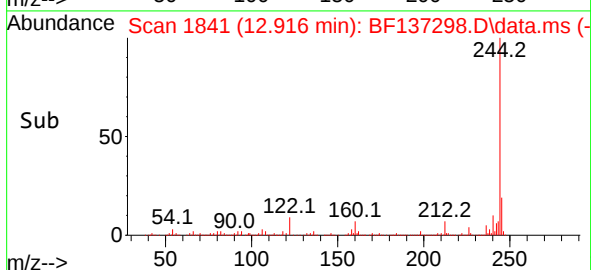
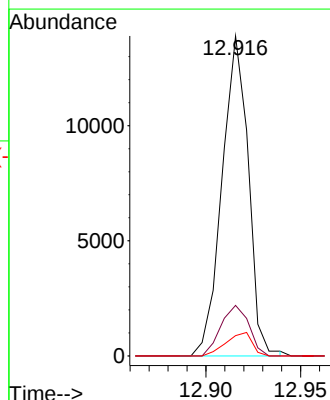
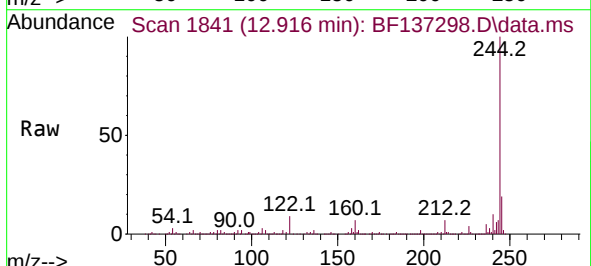
Tgt Ion:184 Resp: 13403

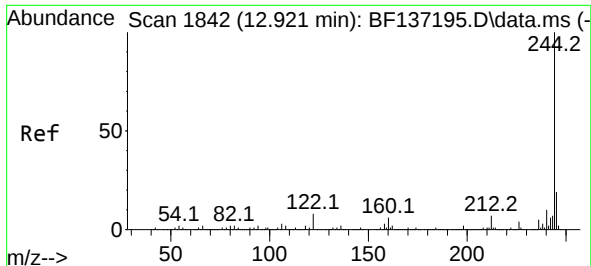
Ion Ratio Lower Upper

184 100

185 15.8 11.9 17.9

183 6.3 8.8 13.2#

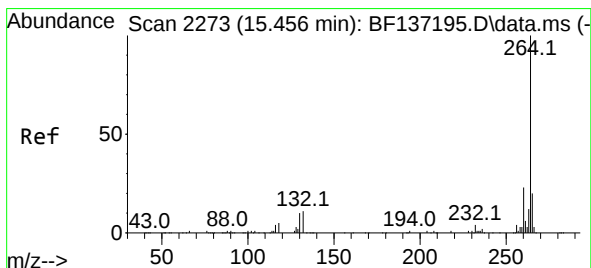
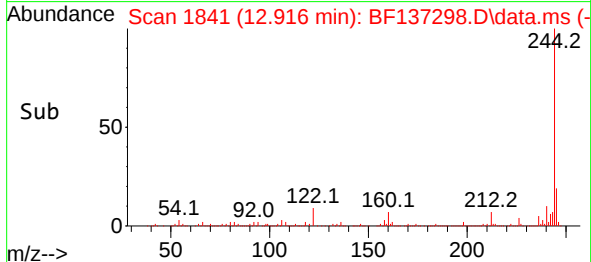
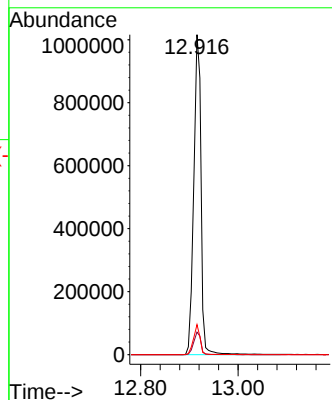
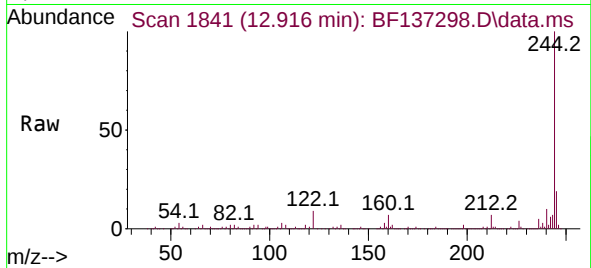




#79
 Terphenyl-d14
 Concen: 87.861 ng
 RT: 12.916 min Scan# 1841
 Delta R.T. -0.006 min
 Lab File: BF137298.D
 Acq: 06 Feb 2024 18:22

Instrument :
 BNA_F
 ClientSampleId :
 CO-11-GRID-2

Tgt Ion:244 Resp: 1041618
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.5 8.3
 122 9.4 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: BF137298.D
 Acq: 06 Feb 2024 18:22

Tgt Ion:264 Resp: 137052
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.2 27.4
 265 21.6 16.2 24.2

