

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020224\
 Data File : BF137251.D
 Acq On : 02 Feb 2024 11:46
 Operator : CG\JU
 Sample : P1311-08
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4RE

Quant Time: Feb 02 12:15:20 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)

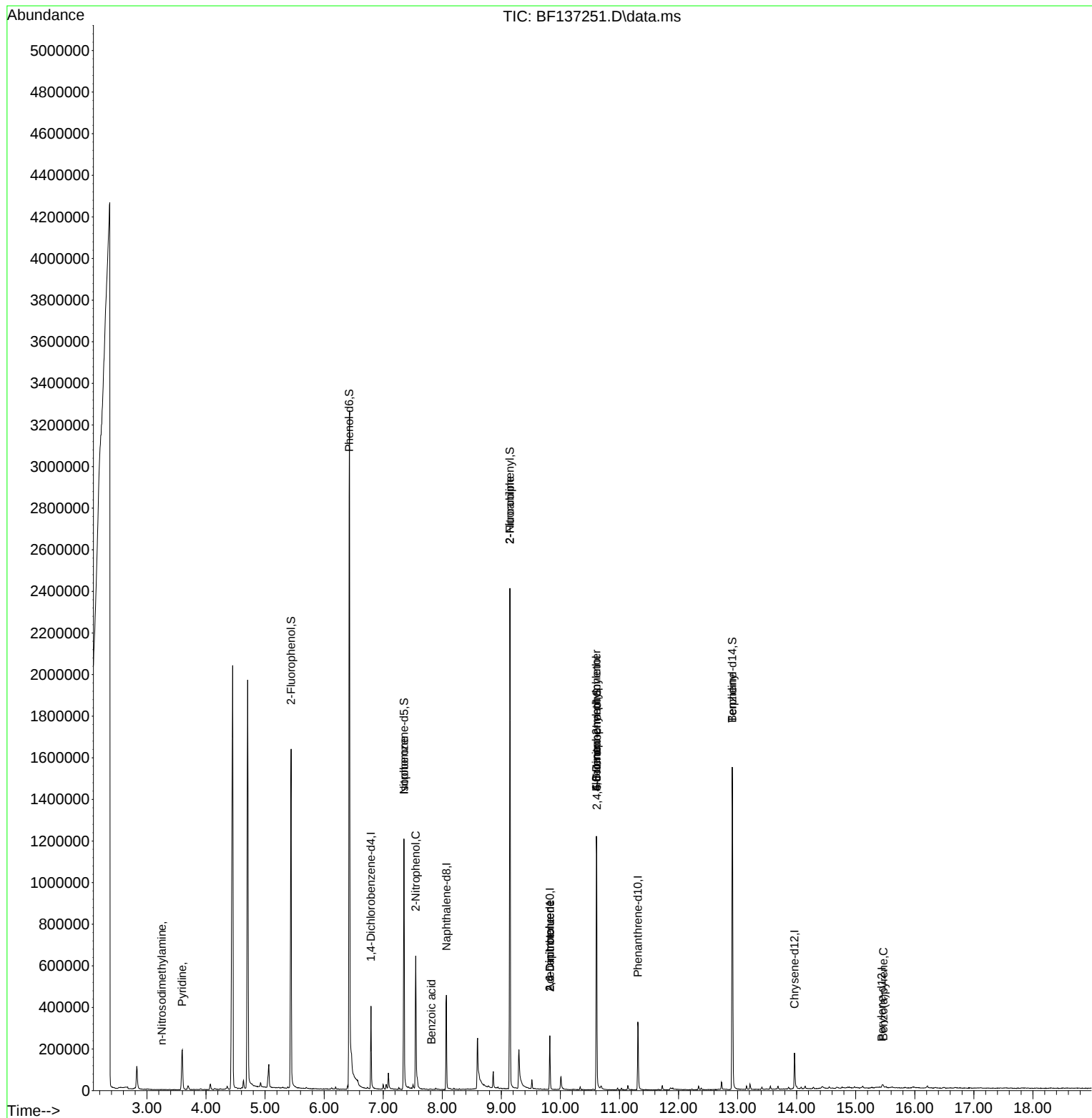
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	54005	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	196166	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	35636	20.000	ng	# 0.00
64) Phenanthrene-d10	11.310	188	106164	20.000	ng	0.00
76) Chrysene-d12	13.963	240	45583	20.000	ng	#-0.01
86) Perylene-d12	15.439	264	1562	20.000	ng	#-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	428034	130.782	ng	0.02
7) Phenol-d6	6.422	99	210336	45.033	ng	0.00
23) Nitrobenzene-d5	7.351	82	406462	92.768	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	159569	396.488	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	736776	284.214	ng	0.00
79) Terphenyl-d14	12.910	244	467900	139.544	ng	-0.01
Target Compounds						
						Qvalue
3) Pyridine	3.593	79	132	3.071	ng	# 1
4) n-Nitrosodimethylamine	3.252	42	515	6.312	ng	# 1
25) Isophorone	7.351	82	406457	50.258	ng	# 68
26) 2-Nitrophenol	7.551	139	145	2.534	ng	# 6
32) Benzoic acid	7.816	122	84	8.361	ng	# 33
48) 2-Nitroaniline	9.145	65	1411	2.078	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	4407	8.584	ng	# 23
57) 2,4-Dinitrotoluene	9.822	165	4407	6.616	ng	# 21
58) Fluorene	10.610	166	5393	2.190	ng	# 90
65) 4,6-Dinitro-2-methylph...	10.610	198	295	5.920	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	10690	9.157	ng	# 1
77) Benzidine	12.910	184	6746	8.265	ng	# 84
90) Benzo(a)pyrene	15.468	252	511	5.653	ng	# 1

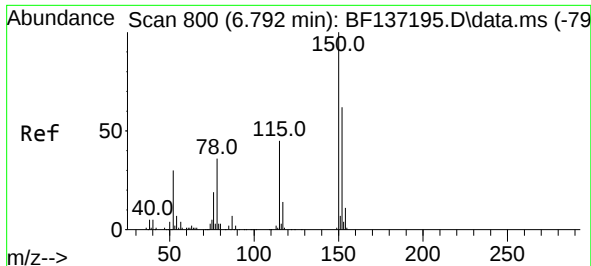
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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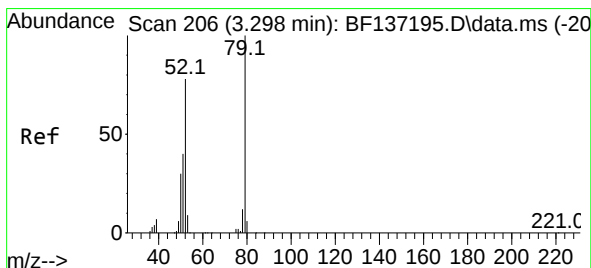
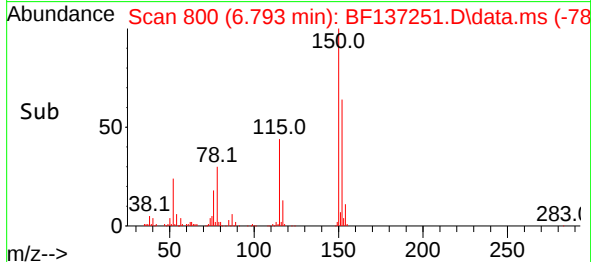
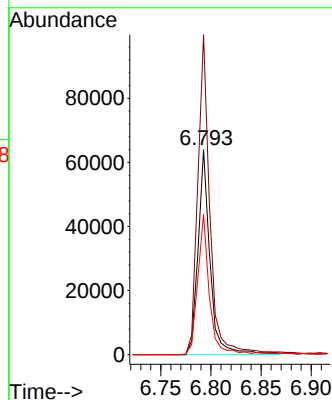
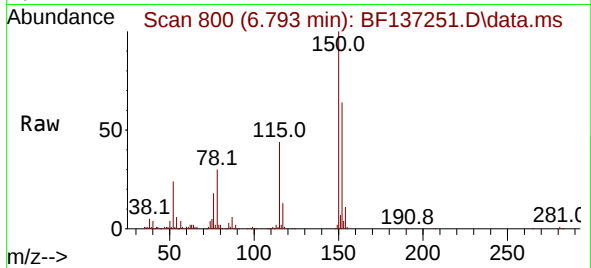




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 800
Delta R.T. 0.001 min
Lab File: BF137251.D
Acq: 02 Feb 2024 11:46

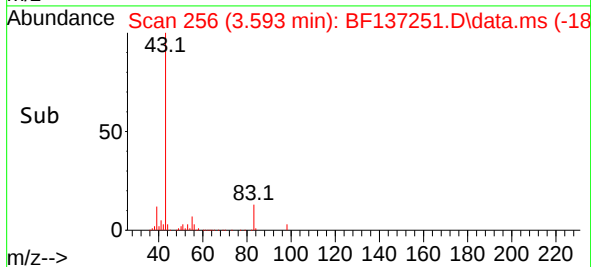
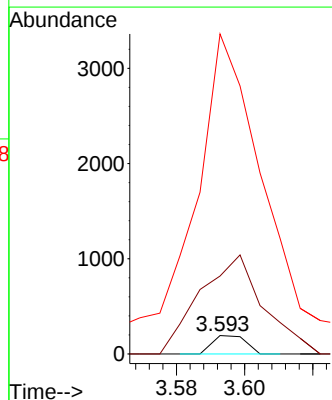
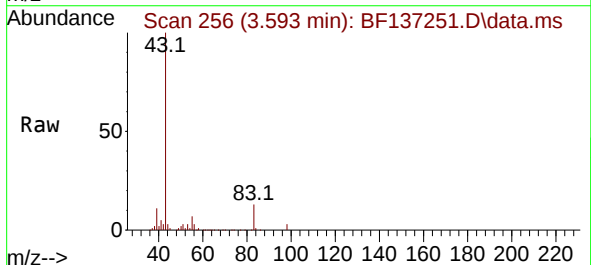
Instrument :
BNA_F
ClientSampleId :
TP-4RE

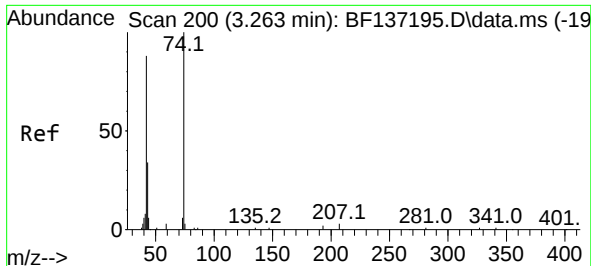
Tgt Ion:152 Resp: 54005
Ion Ratio Lower Upper
152 100
150 156.1 129.8 194.8
115 68.6 58.5 87.7



#3
Pyridine
Concen: 3.071 ng
RT: 3.593 min Scan# 256
Delta R.T. 0.295 min
Lab File: BF137251.D
Acq: 02 Feb 2024 11:46

Tgt Ion: 79 Resp: 132
Ion Ratio Lower Upper
79 100
52 423.8 62.6 94.0#
51 1742.0 33.0 49.4#

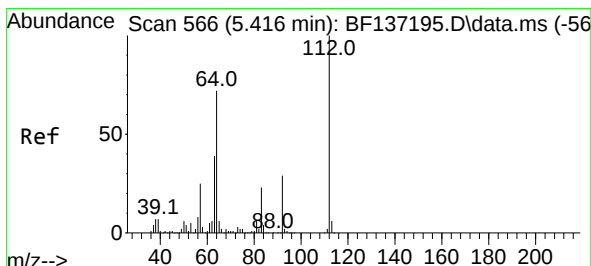
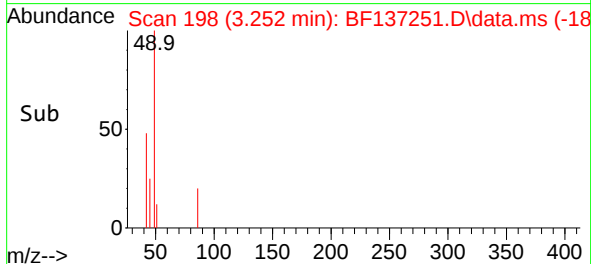
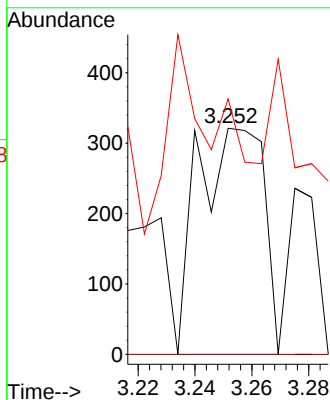
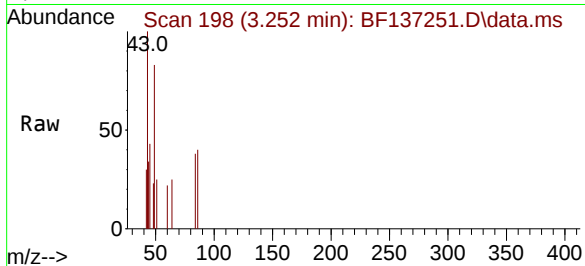




#4
n-Nitrosodimethylamine
Concen: 6.312 ng
RT: 3.252 min Scan# 198
Delta R.T. -0.011 min
Lab File: BF137251.D
Acq: 02 Feb 2024 11:46

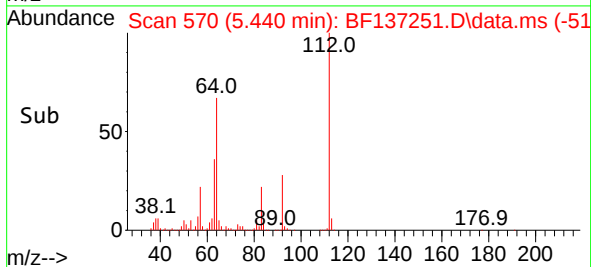
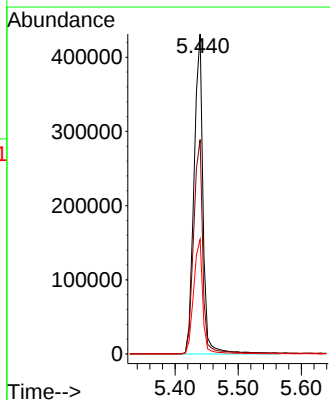
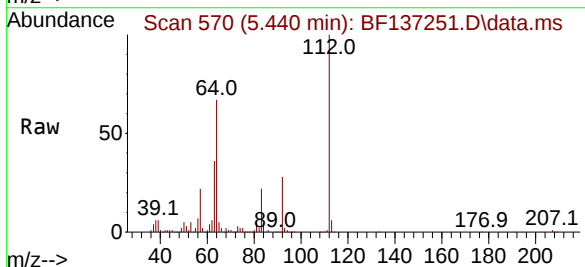
Instrument :
BNA_F
ClientSampleId :
TP-4RE

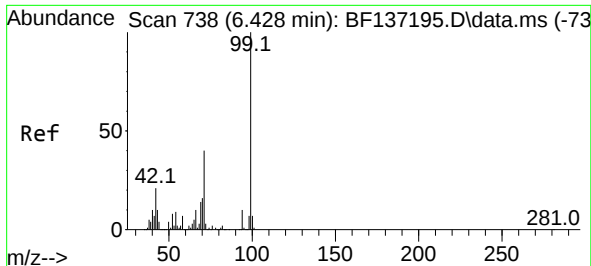
Tgt Ion: 42 Resp: 515
Ion Ratio Lower Upper
42 100
74 0.0 90.5 135.7#
44 113.1 6.1 9.1#



#5
2-Fluorophenol
Concen: 130.782 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.024 min
Lab File: BF137251.D
Acq: 02 Feb 2024 11:46

Tgt Ion: 112 Resp: 428034
Ion Ratio Lower Upper
112 100
64 67.0 57.8 86.6
63 35.8 31.4 47.0





#7

Phenol-d6

Concen: 45.033 ng

RT: 6.422 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF137251.D

Acq: 02 Feb 2024 11:46

Instrument :

BNA_F

ClientSampleId :

TP-4RE

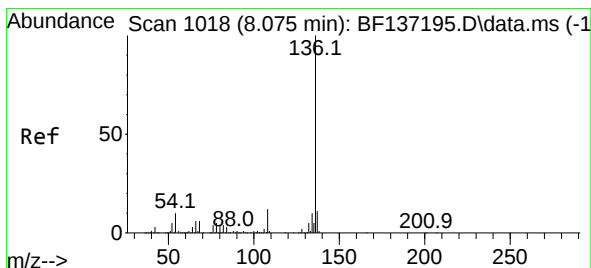
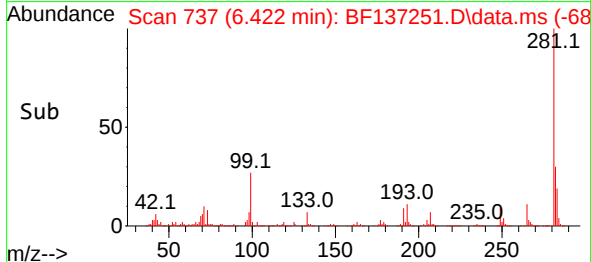
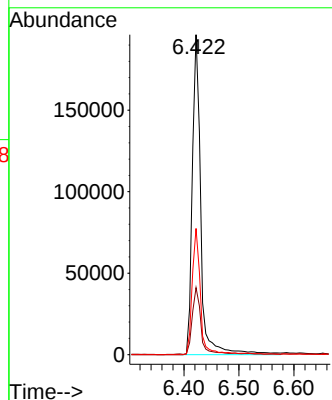
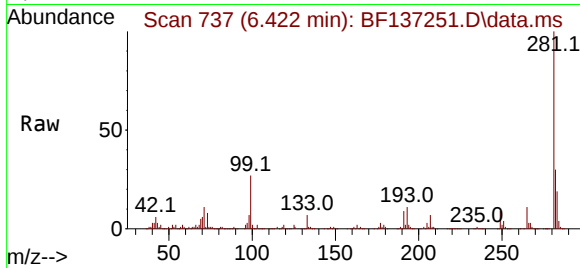
Tgt Ion: 99 Resp: 210336

Ion Ratio Lower Upper

99 100

42 20.9 16.4 24.6

71 39.4 32.4 48.6



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 1017

Delta R.T. -0.006 min

Lab File: BF137251.D

Acq: 02 Feb 2024 11:46

Tgt Ion:136 Resp: 196166

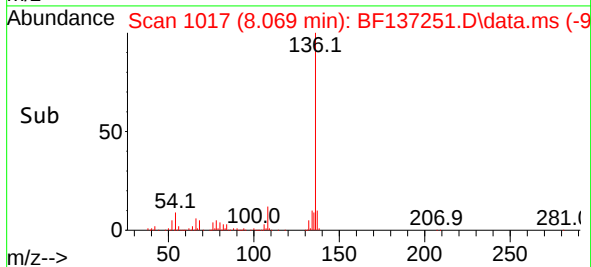
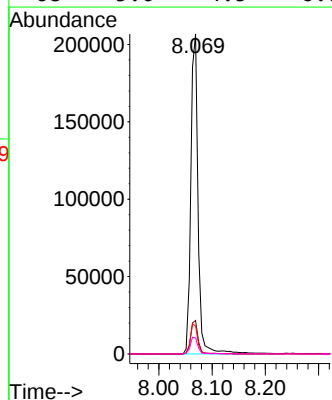
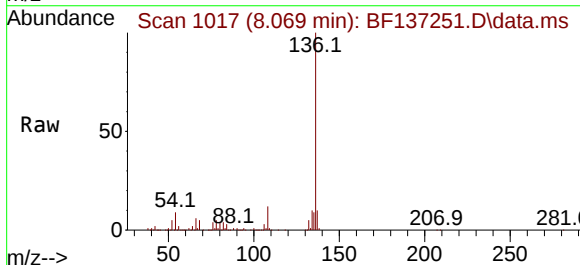
Ion Ratio Lower Upper

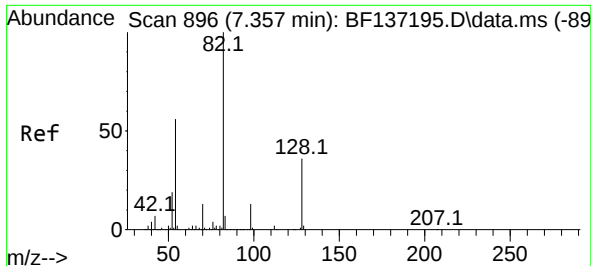
136 100

137 10.5 8.9 13.3

54 8.8 7.8 11.8

68 5.0 4.5 6.7

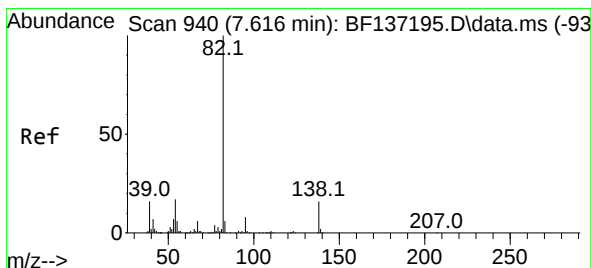
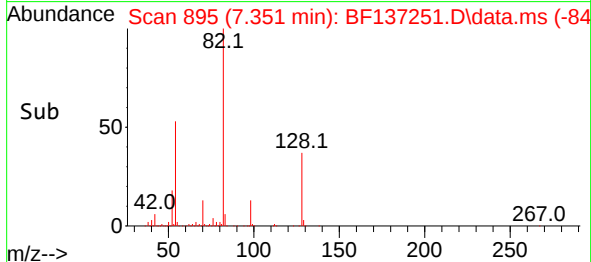
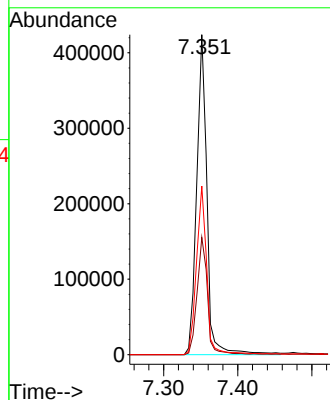
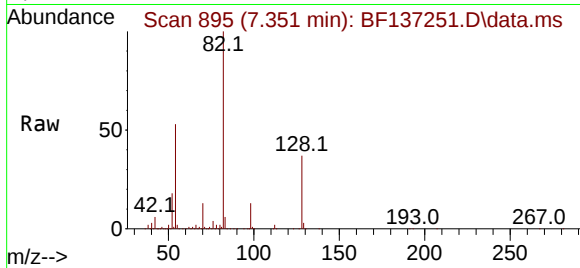




#23
Nitrobenzene-d5
Concen: 92.768 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF137251.D
Acq: 02 Feb 2024 11:46

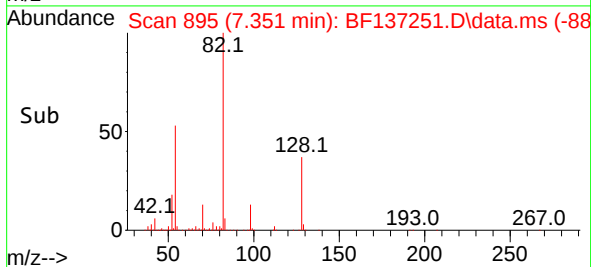
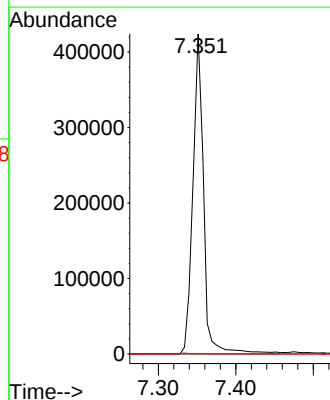
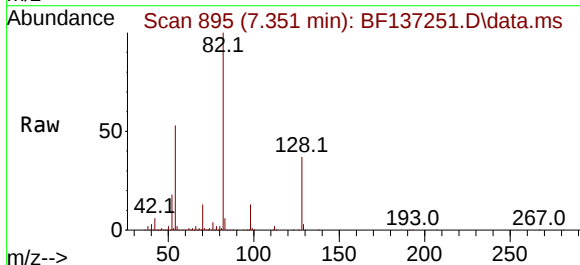
Instrument :
BNA_F
ClientSampleId :
TP-4RE

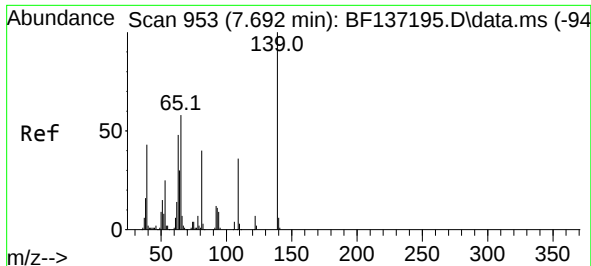
Tgt Ion: 82 Resp: 406462
Ion Ratio Lower Upper
82 100
128 36.6 29.1 43.7
54 52.7 45.0 67.6



#25
Isophorone
Concen: 50.258 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.264 min
Lab File: BF137251.D
Acq: 02 Feb 2024 11:46

Tgt Ion: 82 Resp: 406457
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 12.7 19.1#

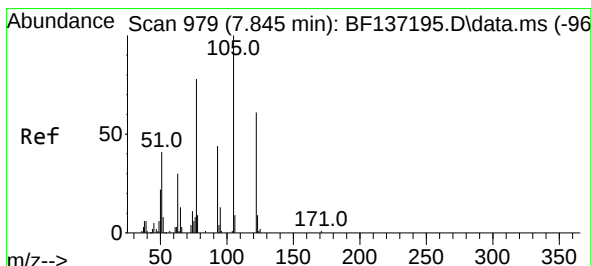
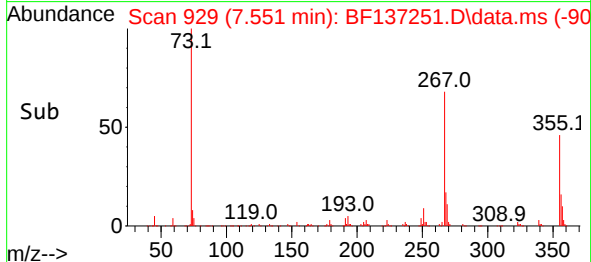
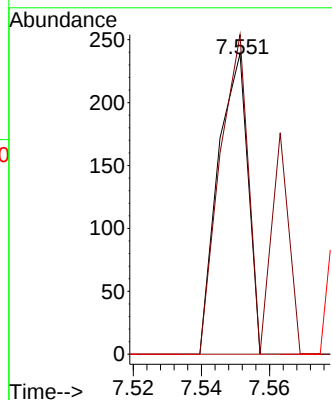
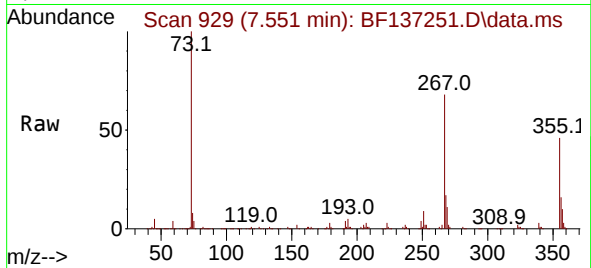




#26
2-Nitrophenol
Concen: 2.534 ng
RT: 7.551 min Scan# 91
Delta R.T. -0.141 min
Lab File: BF137251.D
Acq: 02 Feb 2024 11:46

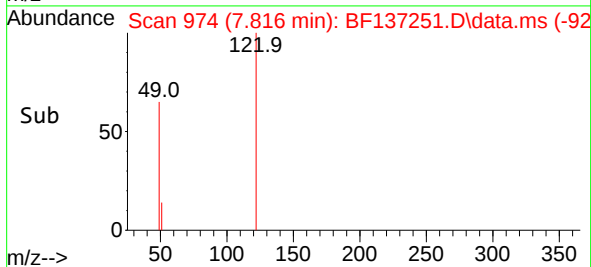
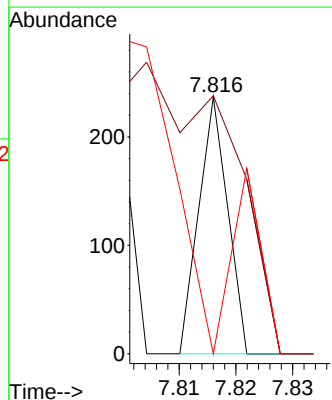
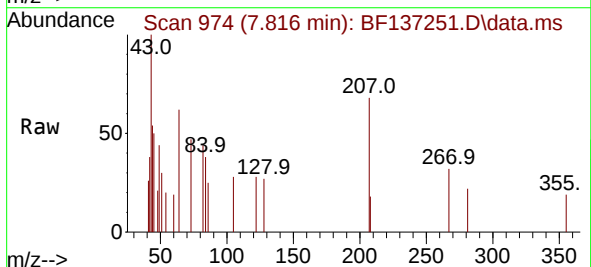
Instrument :
BNA_F
ClientSampleId :
TP-4RE

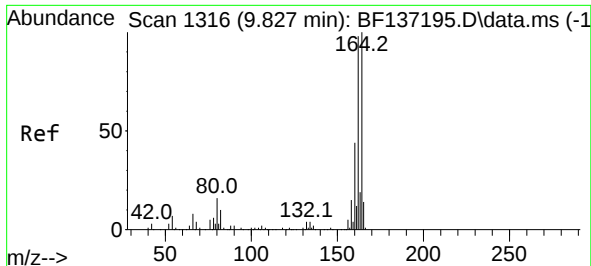
Tgt Ion:139 Resp: 145
Ion Ratio Lower Upper
139 100
109 106.3 28.5 42.7#
65 0.0 46.7 70.1#



#32
Benzoic acid
Concen: 8.361 ng
RT: 7.816 min Scan# 974
Delta R.T. -0.029 min
Lab File: BF137251.D
Acq: 02 Feb 2024 11:46

Tgt Ion:122 Resp: 84
Ion Ratio Lower Upper
122 100
105 100.4 122.5 162.5#
77 0.0 96.4 136.4#

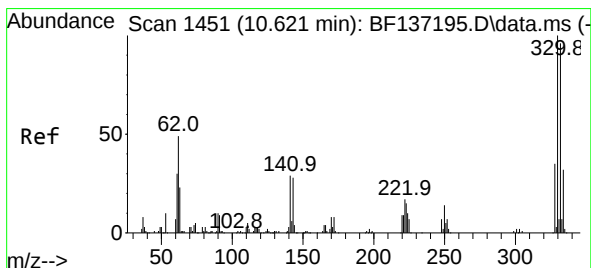
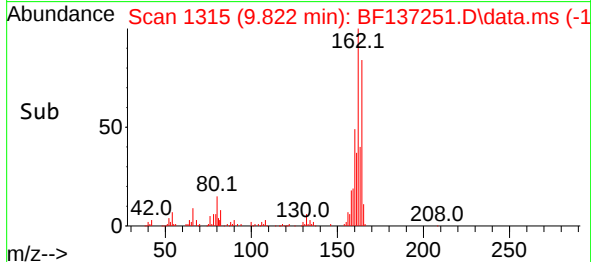
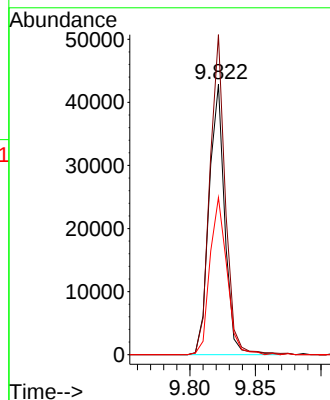
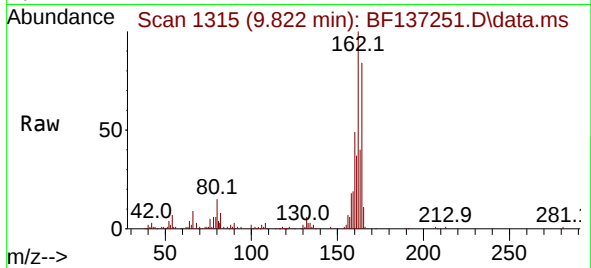




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF137251.D
Acq: 02 Feb 2024 11:46

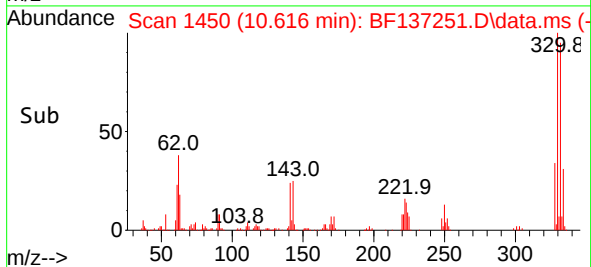
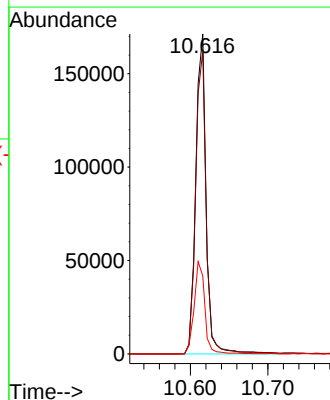
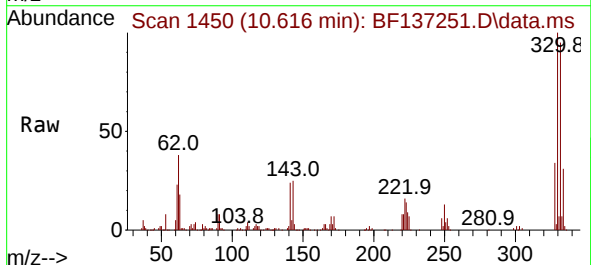
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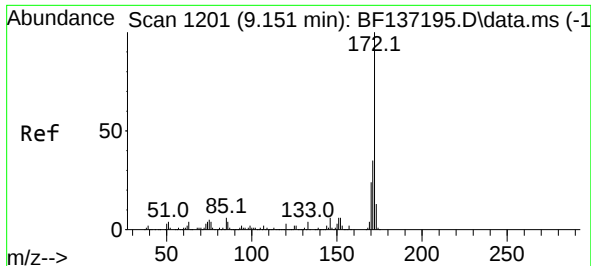
Tgt Ion:164 Resp: 35636
Ion Ratio Lower Upper
164 100
162 118.4 78.3 117.5#
160 58.2 35.4 53.2#



#42
2,4,6-Tribromophenol
Concen: 396.488 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF137251.D
Acq: 02 Feb 2024 11:46

Tgt Ion:330 Resp: 159569
Ion Ratio Lower Upper
330 100
332 96.1 77.3 115.9
141 29.7 25.2 37.8

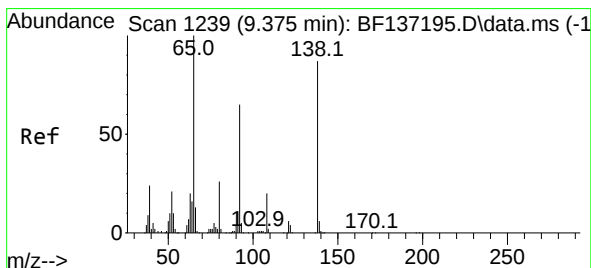
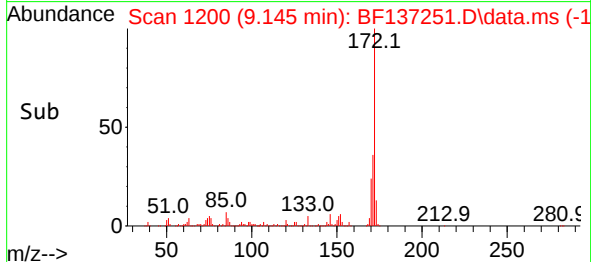
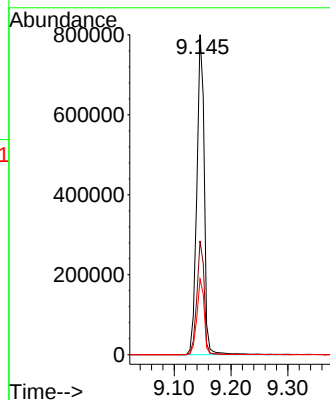
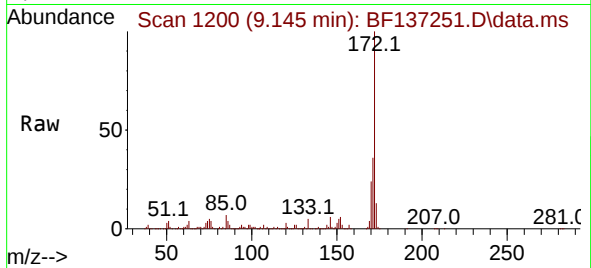




#45
2-Fluorobiphenyl
Concen: 284.214 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137251.D
Acq: 02 Feb 2024 11:46

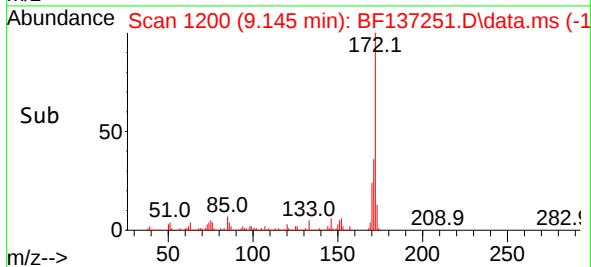
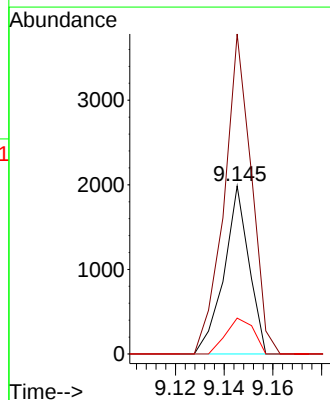
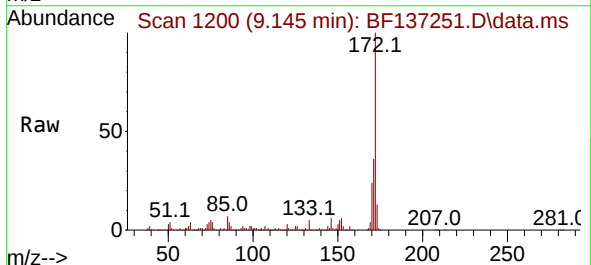
Instrument :
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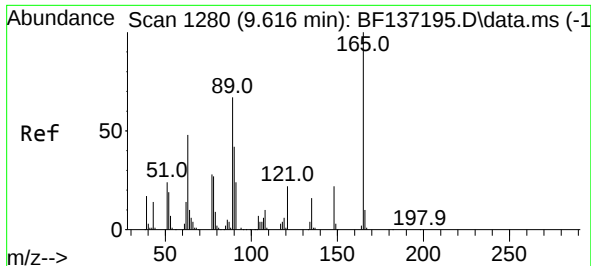
Tgt Ion:172 Resp: 736776
Ion Ratio Lower Upper
172 100
171 35.5 28.3 42.5
170 23.6 19.1 28.7



#48
2-Nitroaniline
Concen: 2.078 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.229 min
Lab File: BF137251.D
Acq: 02 Feb 2024 11:46

Tgt Ion: 65 Resp: 1411
Ion Ratio Lower Upper
65 100
92 190.4 51.7 77.5#
138 21.4 69.7 104.5#





#51

2,6-Dinitrotoluene

Concen: 8.584 ng

RT: 9.822 min Scan# 1315

Delta R.T. 0.206 min

Lab File: BF137251.D

Acq: 02 Feb 2024 11:46

Instrument :

BNA_F

ClientSampleId :

TP-4RE

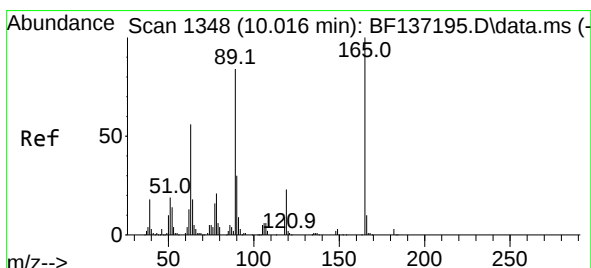
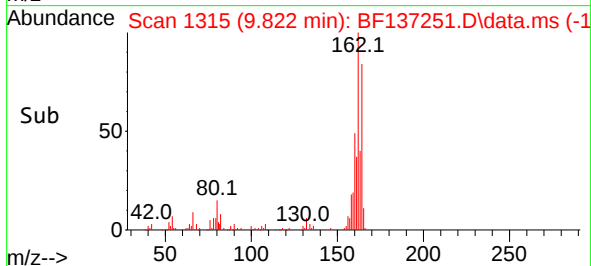
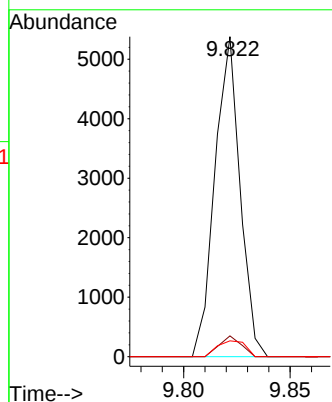
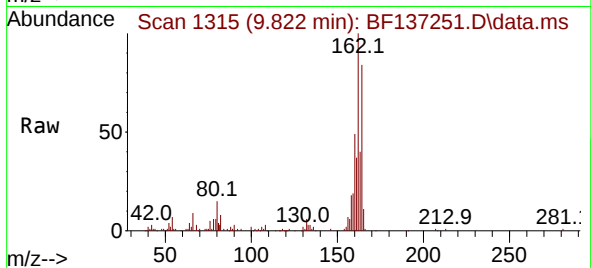
Tgt Ion:165 Resp: 4407

Ion Ratio Lower Upper

165 100

63 6.5 55.1 82.7#

89 5.0 53.5 80.3#



#57

2,4-Dinitrotoluene

Concen: 6.616 ng

RT: 9.822 min Scan# 1315

Delta R.T. -0.194 min

Lab File: BF137251.D

Acq: 02 Feb 2024 11:46

Tgt Ion:165 Resp: 4407

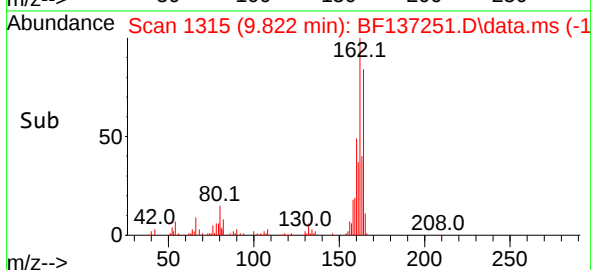
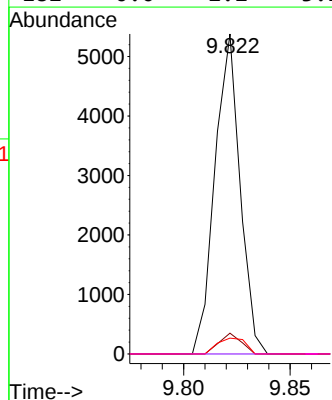
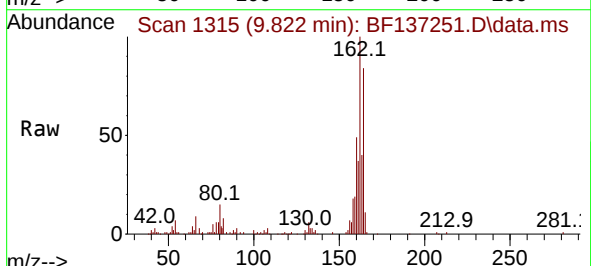
Ion Ratio Lower Upper

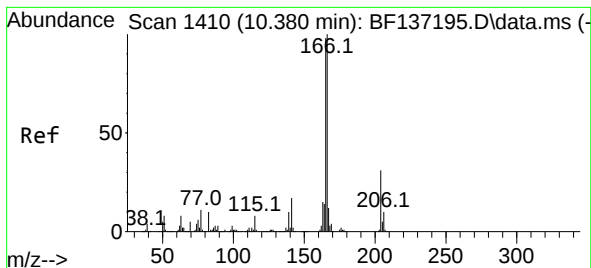
165 100

63 6.5 46.1 69.1#

89 5.0 67.5 101.3#

182 0.0 2.2 3.2#





#58

Fluorene

Concen: 2.190 ng

RT: 10.610 min Scan# 1410

Delta R.T. 0.230 min

Lab File: BF137251.D

Acq: 02 Feb 2024 11:46

Instrument :

BNA_F

ClientSampleId :

TP-4RE

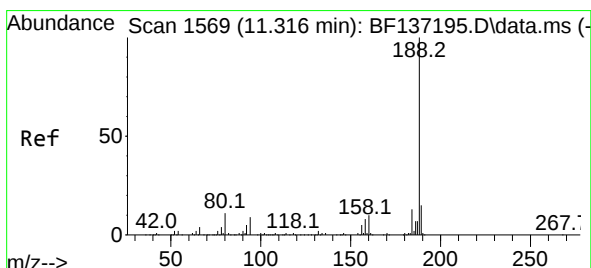
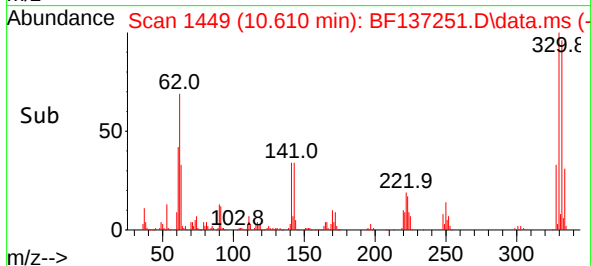
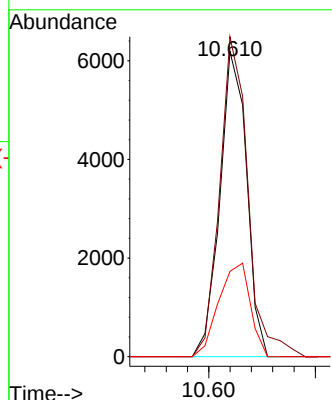
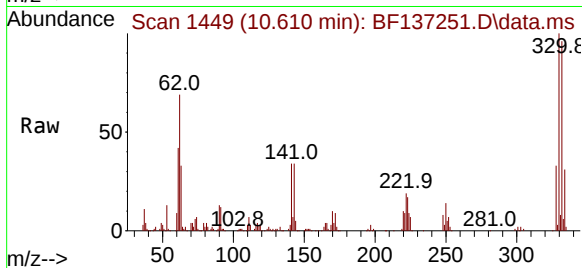
Tgt Ion:166 Resp: 5393

Ion Ratio Lower Upper

166 100

165 104.8 78.5 117.7

167 27.9 10.0 15.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1568

Delta R.T. -0.006 min

Lab File: BF137251.D

Acq: 02 Feb 2024 11:46

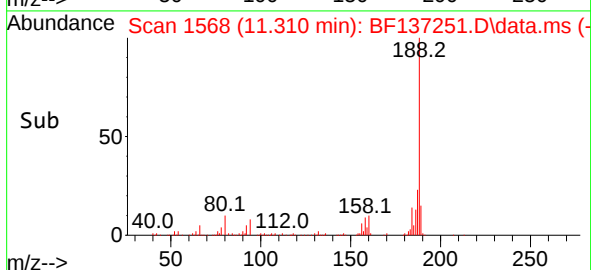
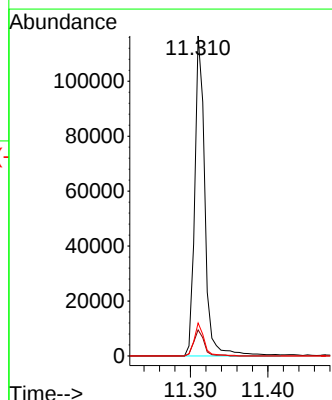
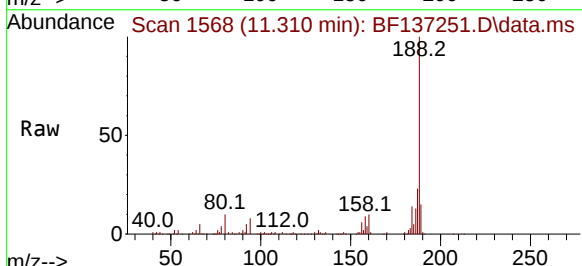
Tgt Ion:188 Resp: 106164

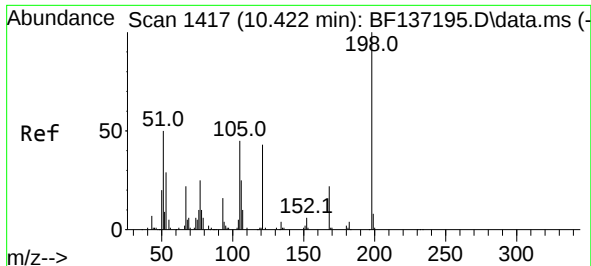
Ion Ratio Lower Upper

188 100

94 8.2 7.0 10.4

80 10.3 8.8 13.2





#65

4,6-Dinitro-2-methylphenol

Concen: 5.920 ng

RT: 10.610 min Scan# 1449

Delta R.T. 0.188 min

Lab File: BF137251.D

Acq: 02 Feb 2024 11:46

Instrument :

BNA_F

ClientSampleId :

TP-4RE

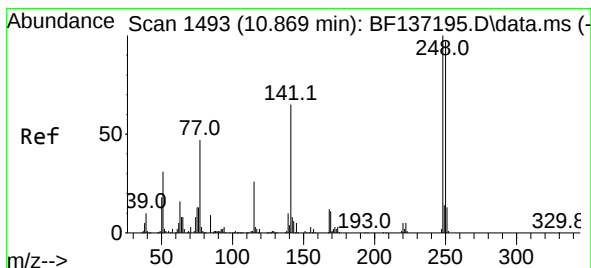
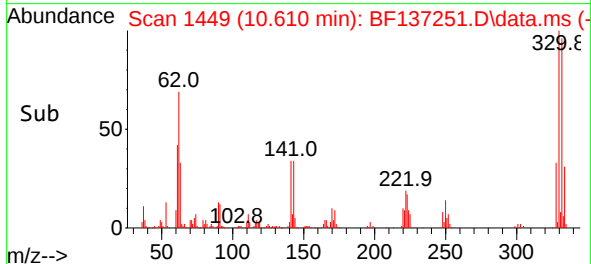
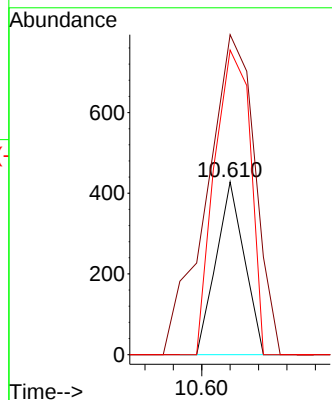
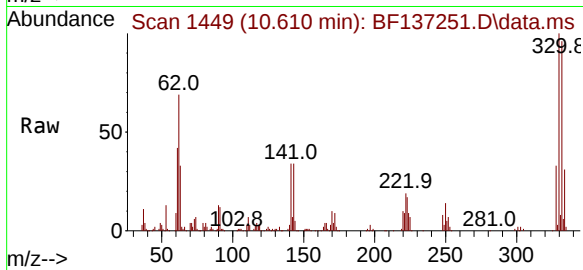
Tgt Ion:198 Resp: 295

Ion Ratio Lower Upper

198 100

51 185.3 40.9 80.9#

105 176.4 26.5 66.5#



#67

4-Bromophenyl-phenylether

Concen: 9.157 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.259 min

Lab File: BF137251.D

Acq: 02 Feb 2024 11:46

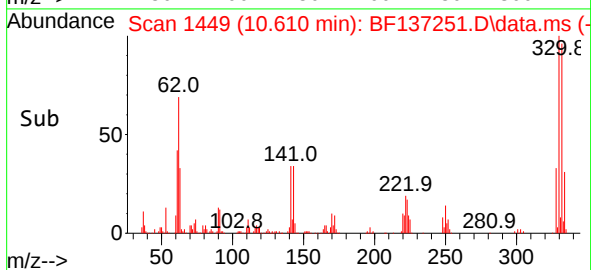
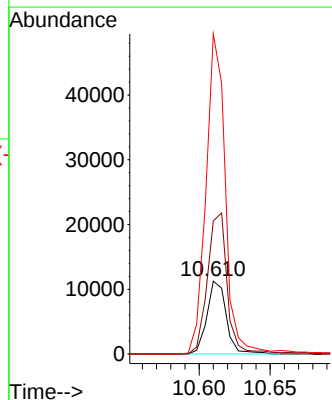
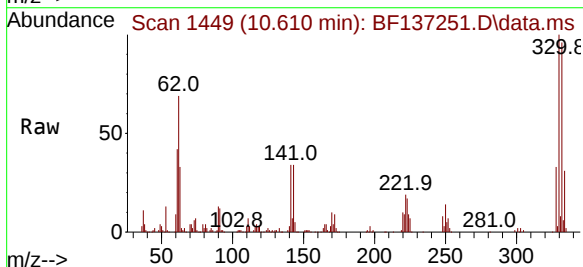
Tgt Ion:248 Resp: 10690

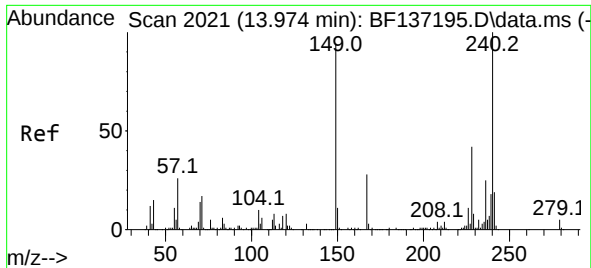
Ion Ratio Lower Upper

248 100

250 182.7 77.7 116.5#

141 439.3 51.6 77.4#

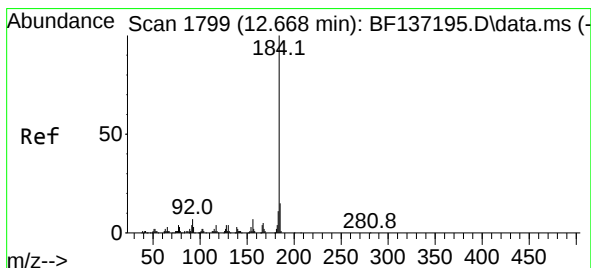
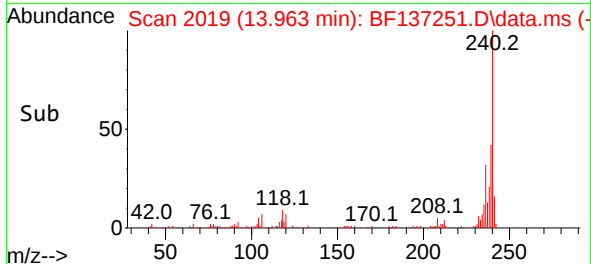
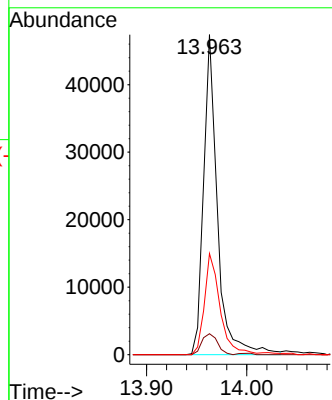
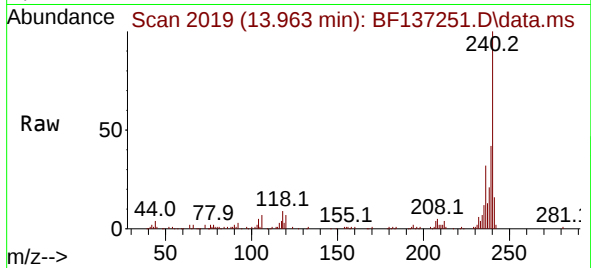




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF137251.D
Acq: 02 Feb 2024 11:46

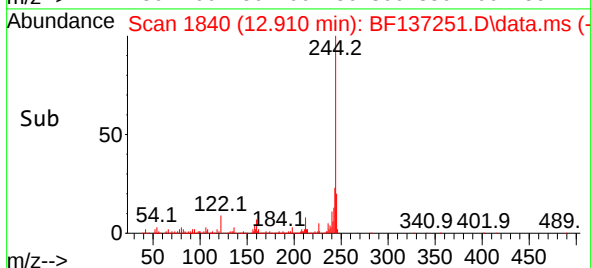
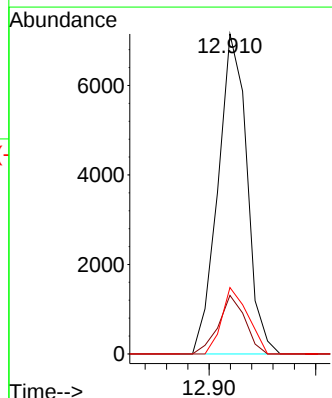
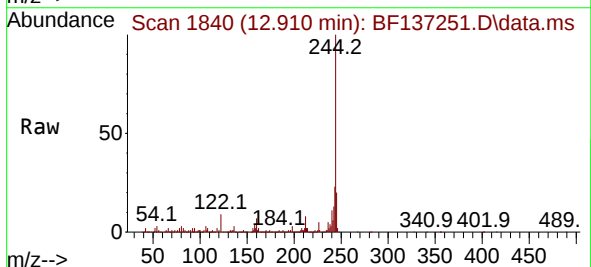
Instrument :
BNA_F
ClientSampleId :
TP-4RE

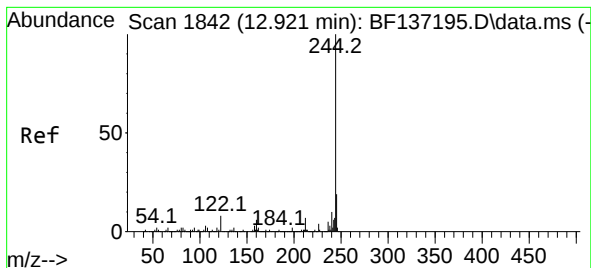
Tgt Ion:240 Resp: 45583
Ion Ratio Lower Upper
240 100
120 6.6 6.3 9.5
236 31.6 20.3 30.5#



#77
Benzidine
Concen: 8.265 ng
RT: 12.910 min Scan# 1840
Delta R.T. 0.242 min
Lab File: BF137251.D
Acq: 02 Feb 2024 11:46

Tgt Ion:184 Resp: 6746
Ion Ratio Lower Upper
184 100
185 18.3 11.9 17.9#
183 20.7 8.8 13.2#





#79

Terphenyl-d14

Concen: 139.544 ng

RT: 12.910 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF137251.D

Acq: 02 Feb 2024 11:46

Instrument :

BNA_F

ClientSampleId :

TP-4RE

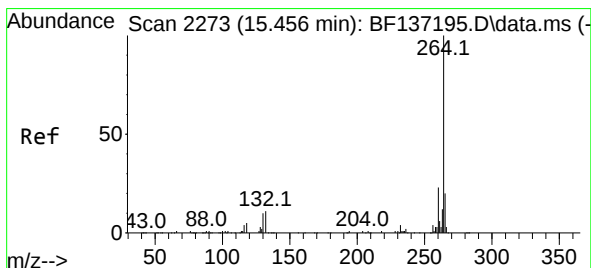
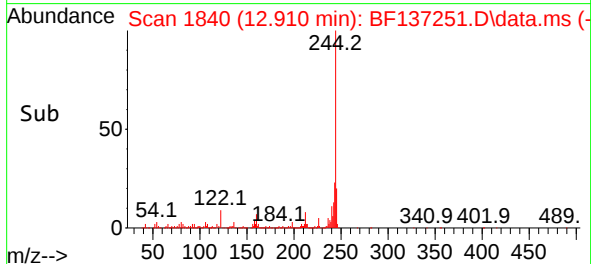
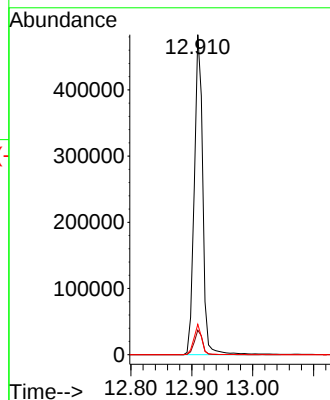
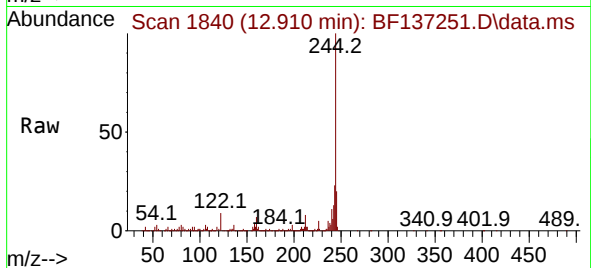
Tgt Ion:244 Resp: 467900

Ion Ratio Lower Upper

244 100

212 7.6 5.5 8.3

122 9.5 6.2 9.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2270

Delta R.T. -0.017 min

Lab File: BF137251.D

Acq: 02 Feb 2024 11:46

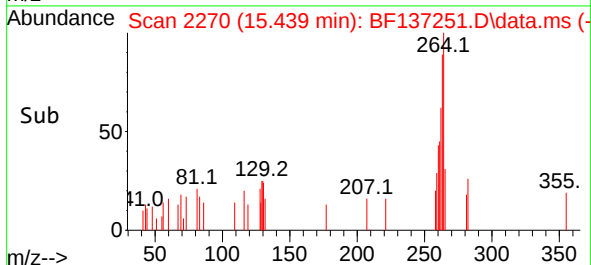
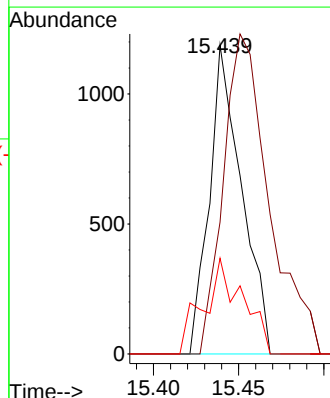
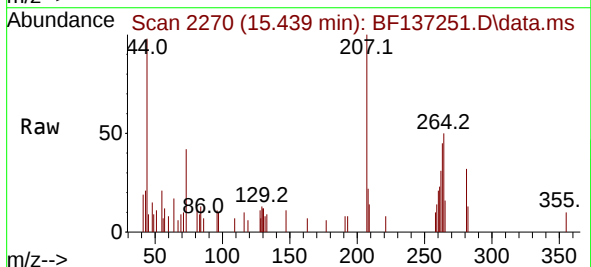
Tgt Ion:264 Resp: 1562

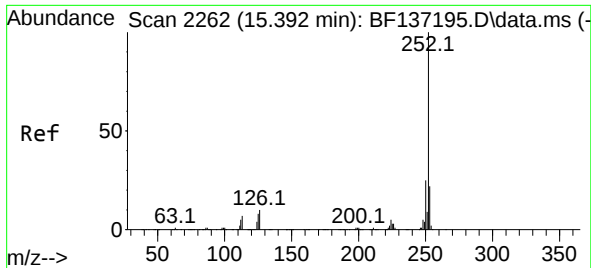
Ion Ratio Lower Upper

264 100

260 42.7 18.2 27.4#

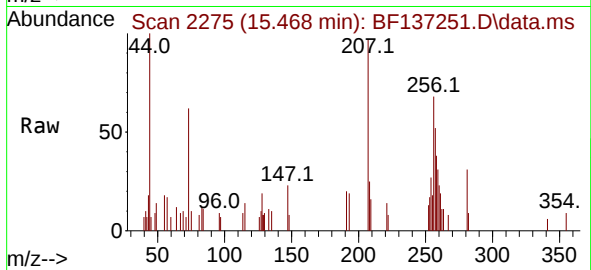
265 31.0 16.2 24.2#





#90
Benzo(a)pyrene
Concen: 5.653 ng
RT: 15.468 min Scan# 21
Delta R.T. 0.077 min
Lab File: BF137251.D
Acq: 02 Feb 2024 11:46

Instrument :
BNA_F
ClientSampleId :
TP-4RE



Tgt Ion:252 Resp: 511
Ion Ratio Lower Upper
252 100
253 131.9 17.8 26.6#
125 0.0 6.5 9.7#

