

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020624\
 Data File : BF137308.D
 Acq On : 06 Feb 2024 23:18
 Operator : CG\JU
 Sample : P1362-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Feb 07 01:08:51 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)

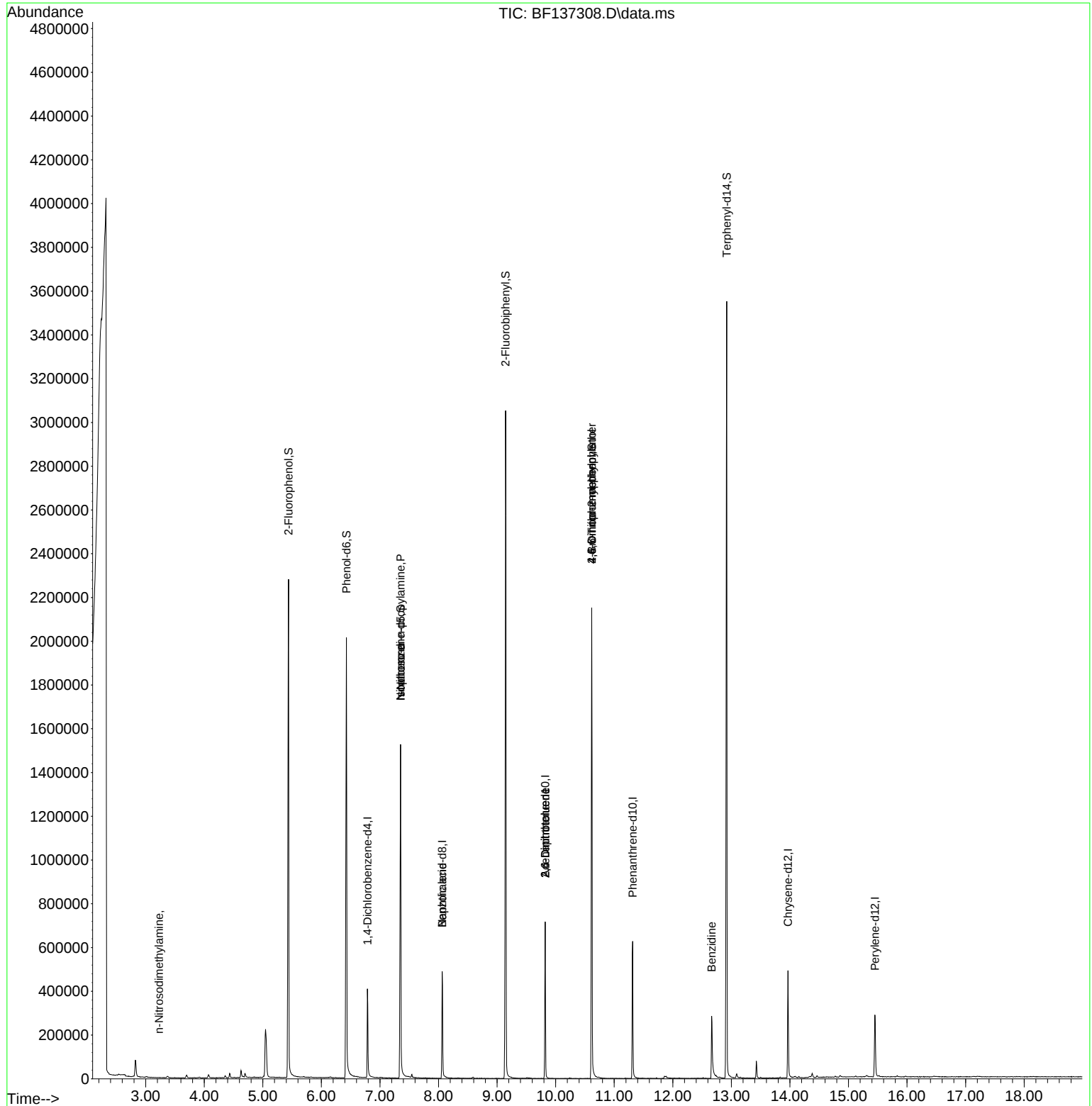
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	61772	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	232686	20.000	ng	-0.01
39) Acenaphthene-d10	9.822	164	136516	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	260051	20.000	ng	# 0.00
76) Chrysene-d12	13.969	240	171849	20.000	ng	0.00
86) Perylene-d12	15.451	264	150234	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	619014	165.354	ng	0.02
7) Phenol-d6	6.428	99	742046	138.896	ng	0.00
23) Nitrobenzene-d5	7.351	82	572991	110.250	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	270431	175.406	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	1029055	103.622	ng	0.00
79) Terphenyl-d14	12.922	244	1313338	103.894	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.228	42	153	6.125	ng	# 1
19) n-Nitroso-di-n-propyla...	7.351	70	79287	21.645	ng	# 79
25) Isophorone	7.351	82	572985	59.730	ng	# 67
32) Benzoic acid	8.063	122	86	8.355	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	17745	9.023	ng	# 18
57) 2,4-Dinitrotoluene	9.822	165	17745	6.954	ng	# 16
65) 4,6-Dinitro-2-methylph...	10.616	198	588	5.833	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	18323	6.408	ng	# 1
77) Benzidine	12.663	184	153067	49.742	ng	98

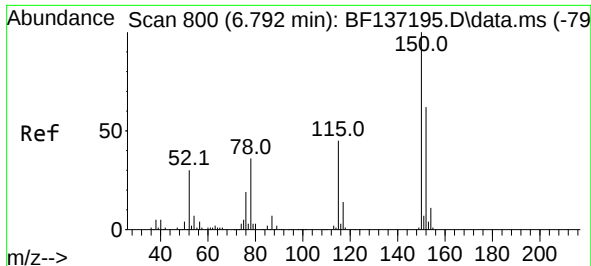
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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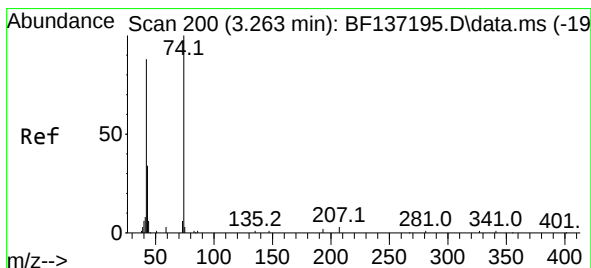
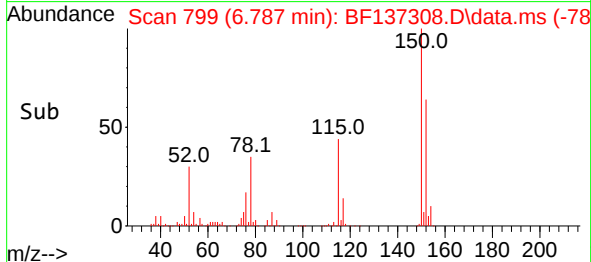
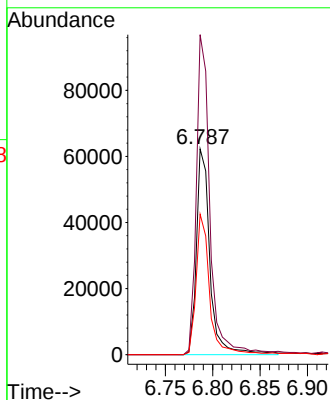
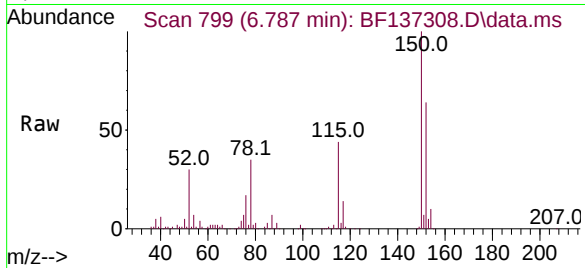




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF137308.D
Acq: 06 Feb 2024 23:18

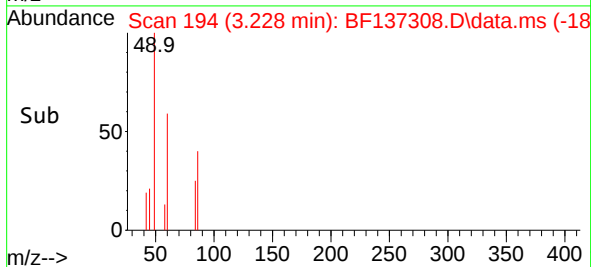
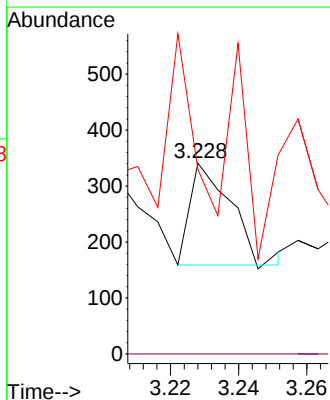
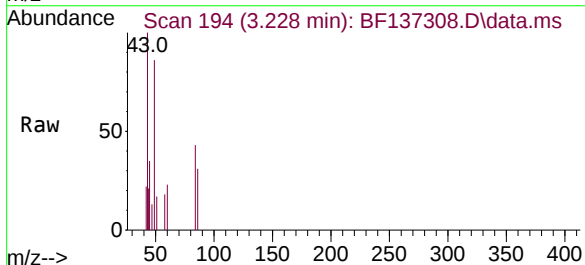
Instrument :
BNA_F
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WC-1

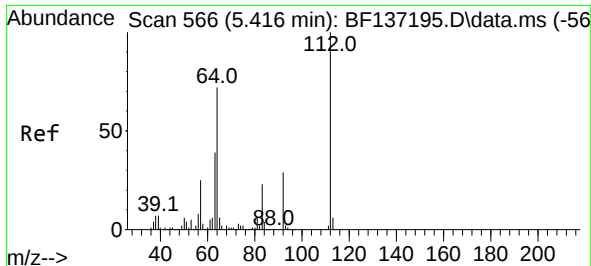
Tgt Ion:152 Resp: 61772
Ion Ratio Lower Upper
152 100
150 155.5 129.8 194.8
115 68.2 58.5 87.7



#4
n-Nitrosodimethylamine
Concen: 6.125 ng
RT: 3.228 min Scan# 194
Delta R.T. -0.035 min
Lab File: BF137308.D
Acq: 06 Feb 2024 23:18

Tgt Ion: 42 Resp: 153
Ion Ratio Lower Upper
42 100
74 0.0 90.5 135.7#
44 96.8 6.1 9.1#

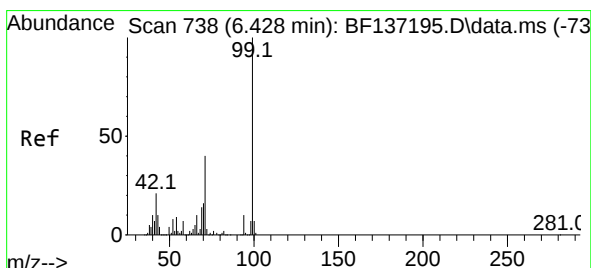
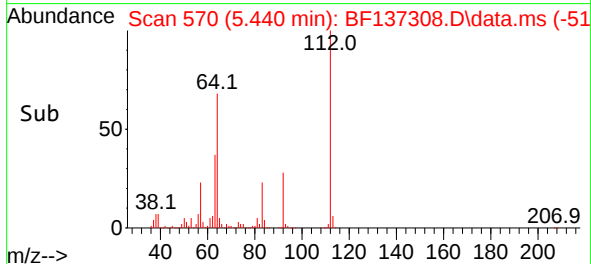
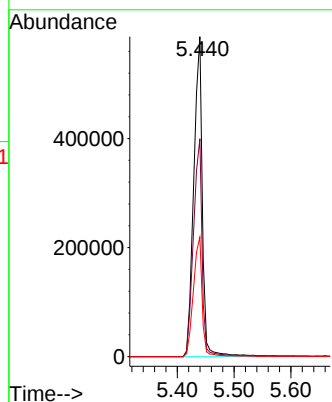
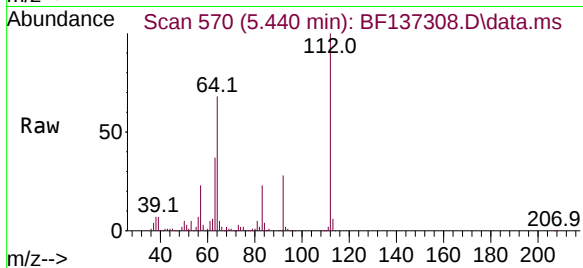




#5
2-Fluorophenol
Concen: 165.354 ng
RT: 5.440 min Scan# 51
Delta R.T. 0.024 min
Lab File: BF137308.D
Acq: 06 Feb 2024 23:18

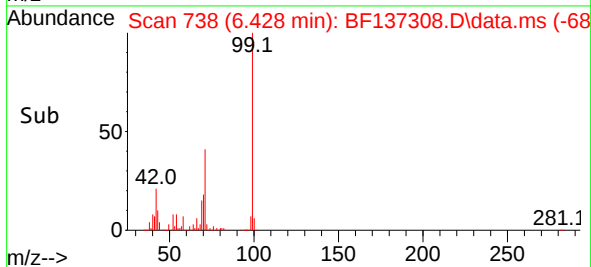
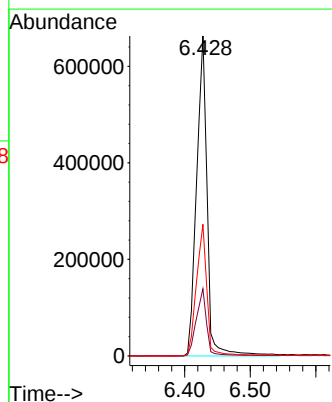
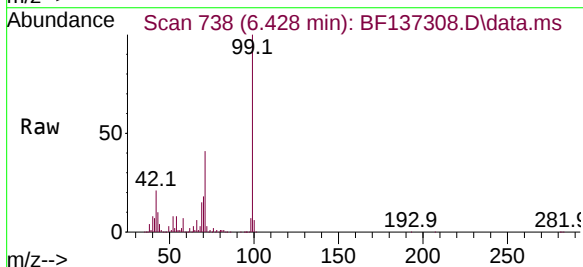
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:112 Resp: 619014
Ion Ratio Lower Upper
112 100
64 68.1 57.8 86.6
63 37.3 31.4 47.0



#7
Phenol-d6
Concen: 138.896 ng
RT: 6.428 min Scan# 738
Delta R.T. 0.000 min
Lab File: BF137308.D
Acq: 06 Feb 2024 23:18

Tgt Ion: 99 Resp: 742046
Ion Ratio Lower Upper
99 100
42 21.0 16.4 24.6
71 41.1 32.4 48.6

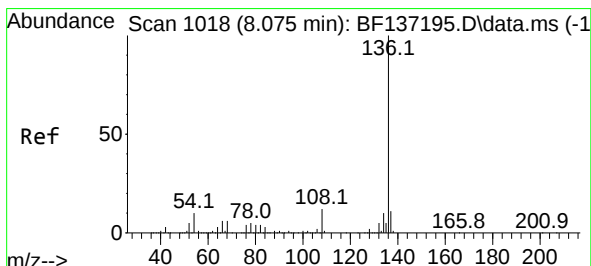
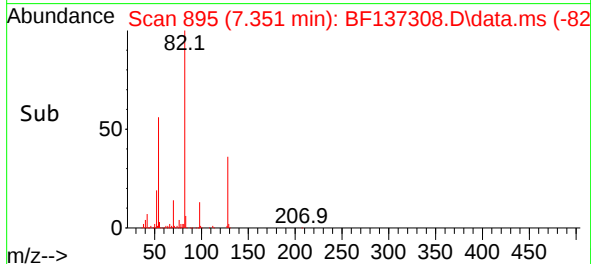
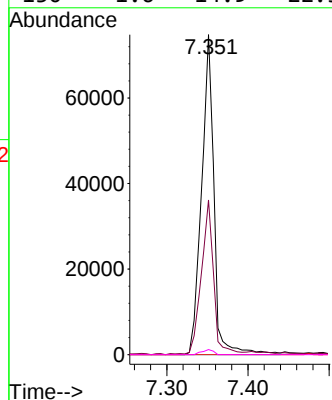
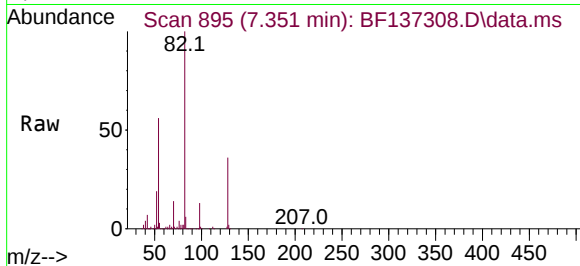




#19
n-Nitroso-di-n-propylamine
Concen: 21.645 ng
RT: 7.351 min Scan# 89
Delta R.T. 0.141 min
Lab File: BF137308.D
Acq: 06 Feb 2024 23:18

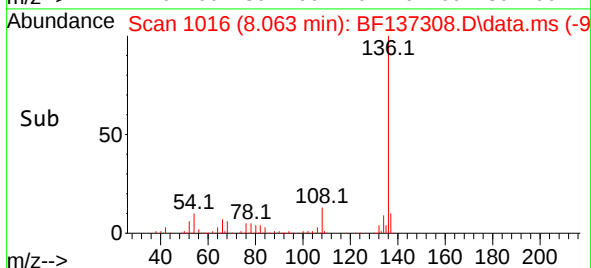
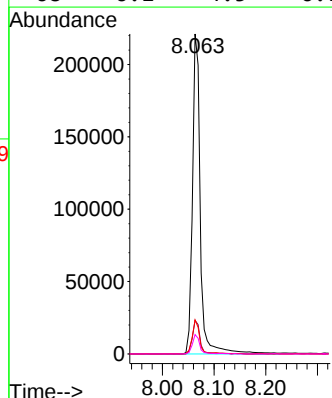
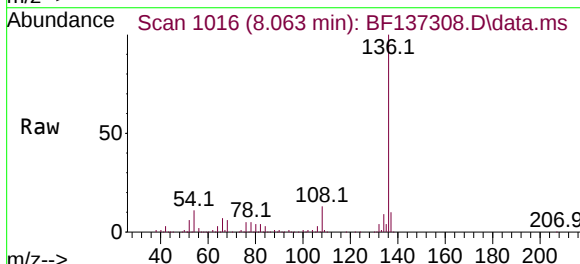
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:	70	Resp:	79287
Ion	Ratio	Lower	Upper
70	100		
42	48.3	47.2	70.8
101	0.0	7.4	11.0#
130	1.6	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: BF137308.D
Acq: 06 Feb 2024 23:18

Tgt Ion:	136	Resp:	232686
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	10.6	7.8	11.8
68	6.1	4.5	6.7

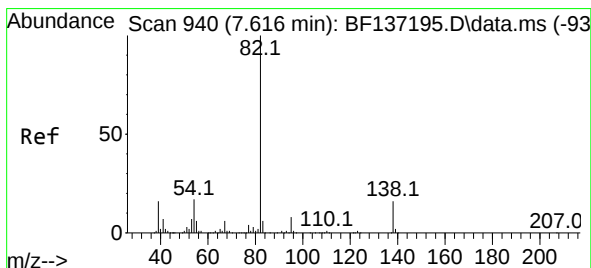
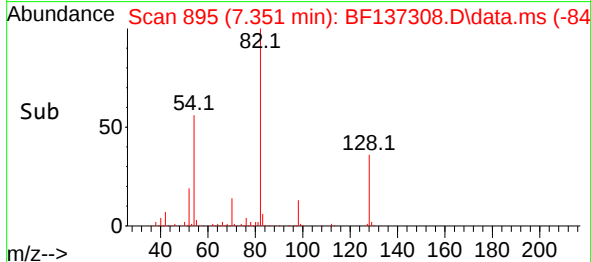
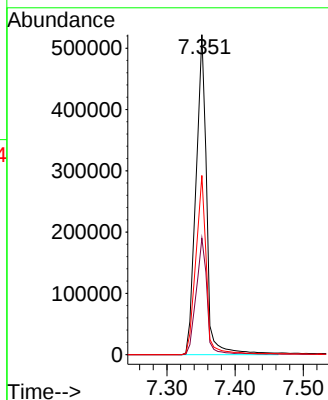
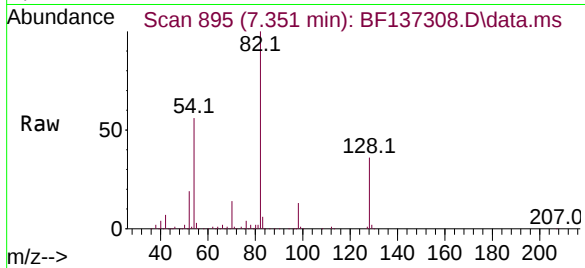




#23
Nitrobenzene-d5
Concen: 110.250 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF137308.D
Acq: 06 Feb 2024 23:18

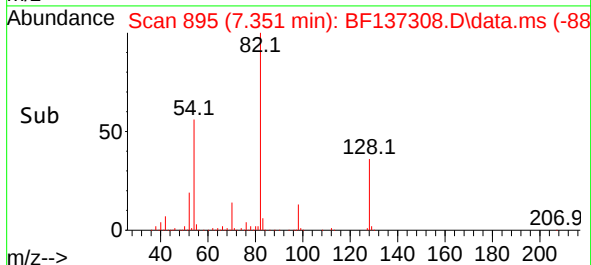
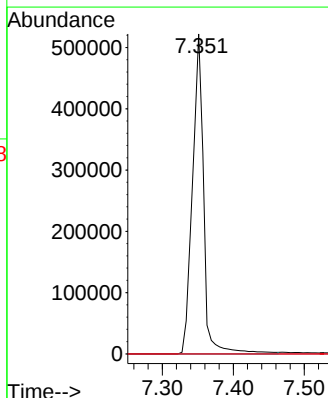
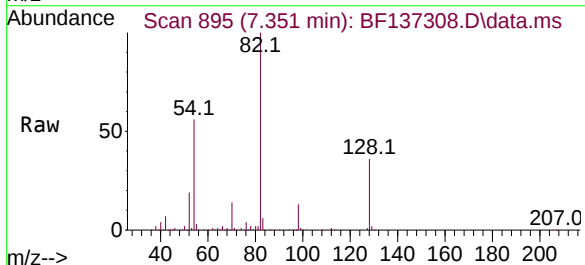
Instrument :
BNA_F
ClientSampleId :
WC-1

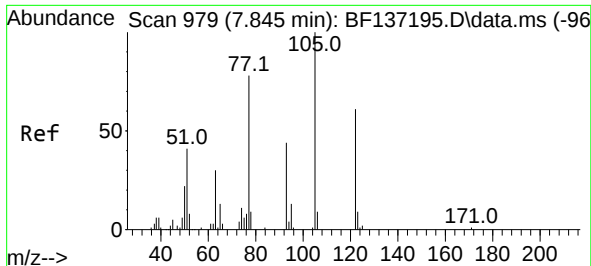
Tgt Ion: 82 Resp: 572991
Ion Ratio Lower Upper
82 100
128 36.4 29.1 43.7
54 56.0 45.0 67.6



#25
Isophorone
Concen: 59.730 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.265 min
Lab File: BF137308.D
Acq: 06 Feb 2024 23:18

Tgt Ion: 82 Resp: 572985
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 12.7 19.1#

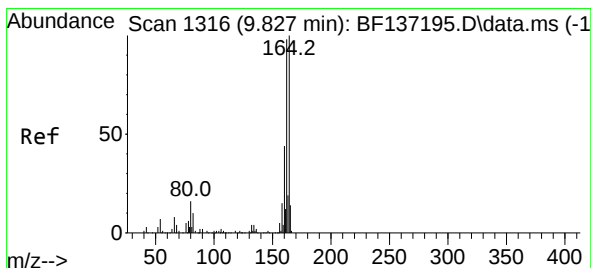
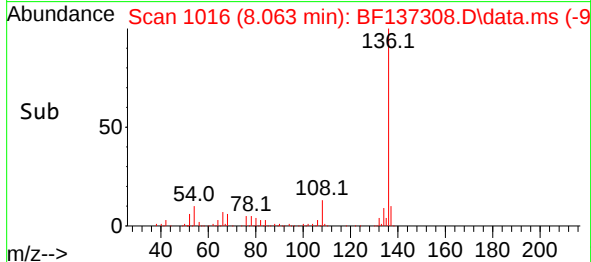
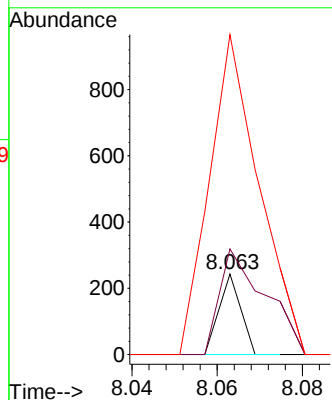
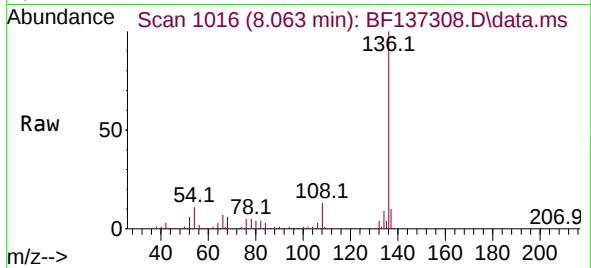




#32
Benzoic acid
Concen: 8.355 ng
RT: 8.063 min Scan# 10
Delta R.T. 0.218 min
Lab File: BF137308.D
Acq: 06 Feb 2024 23:18

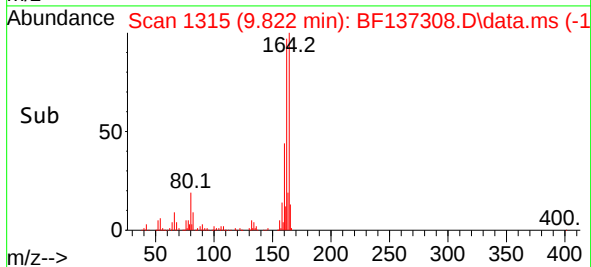
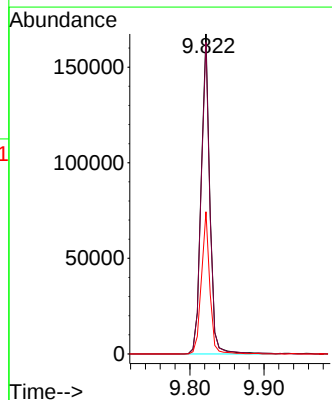
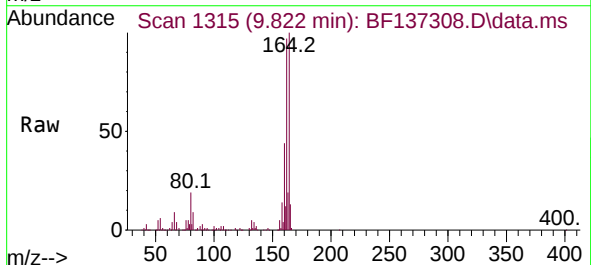
Instrument :
BNA_F
ClientSampleId :
WC-1

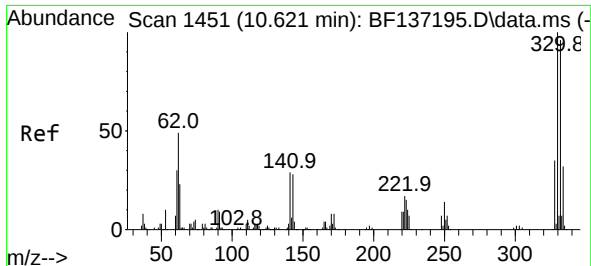
Tgt Ion:122 Resp: 86
Ion Ratio Lower Upper
122 100
105 131.3 122.5 162.5
77 397.5 96.4 136.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.005 min
Lab File: BF137308.D
Acq: 06 Feb 2024 23:18

Tgt Ion:164 Resp: 136516
Ion Ratio Lower Upper
164 100
162 97.3 78.3 117.5
160 44.4 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 175.406 ng

RT: 10.616 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF137308.D

Acq: 06 Feb 2024 23:18

Instrument :

BNA_F

ClientSampleId :

WC-1

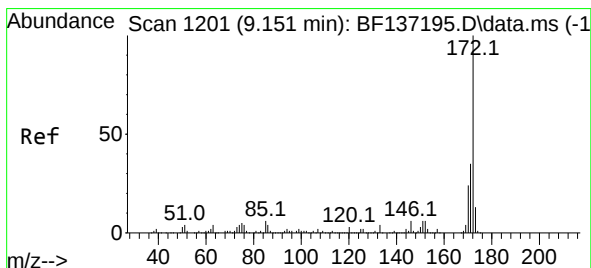
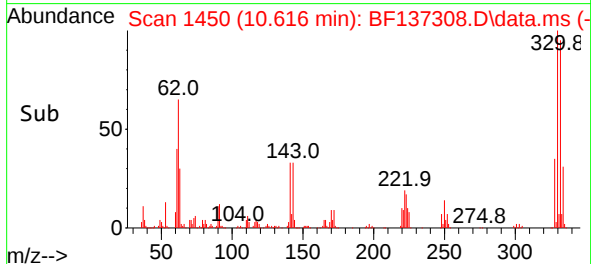
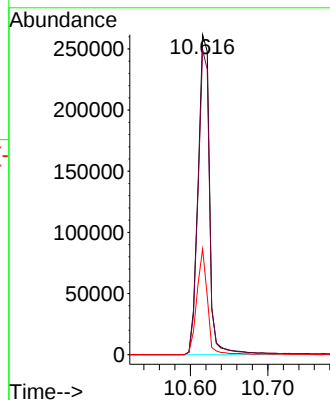
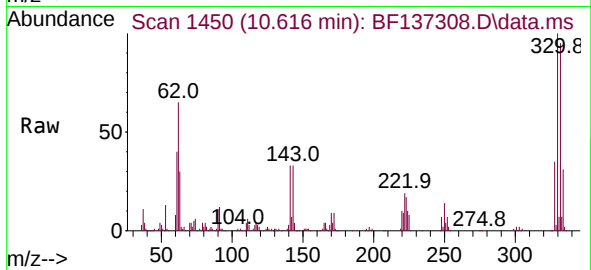
Tgt Ion:330 Resp: 270431

Ion Ratio Lower Upper

330 100

332 96.2 77.3 115.9

141 30.0 25.2 37.8



#45

2-Fluorobiphenyl

Concen: 103.622 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF137308.D

Acq: 06 Feb 2024 23:18

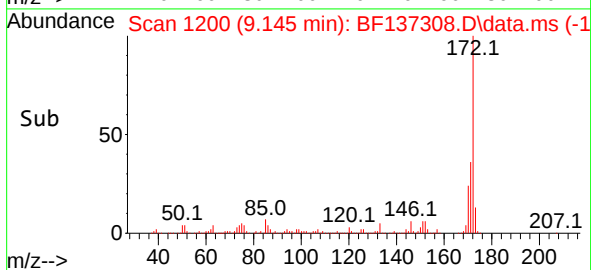
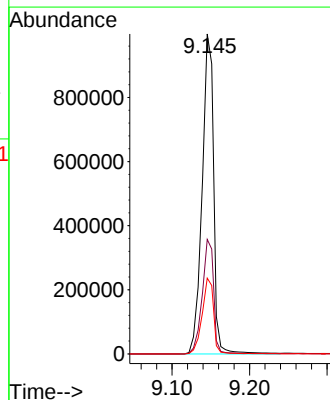
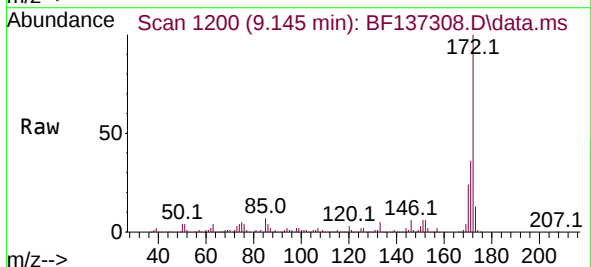
Tgt Ion:172 Resp: 1029055

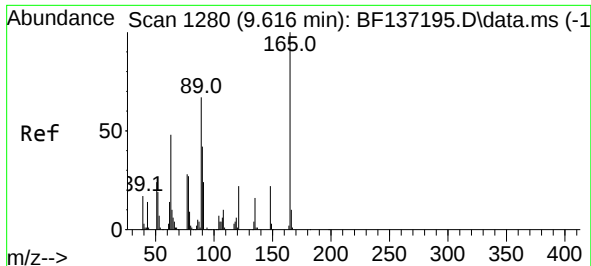
Ion Ratio Lower Upper

172 100

171 35.8 28.3 42.5

170 23.7 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 9.023 ng

RT: 9.822 min Scan# 1315

Delta R.T. 0.206 min

Lab File: BF137308.D

Acq: 06 Feb 2024 23:18

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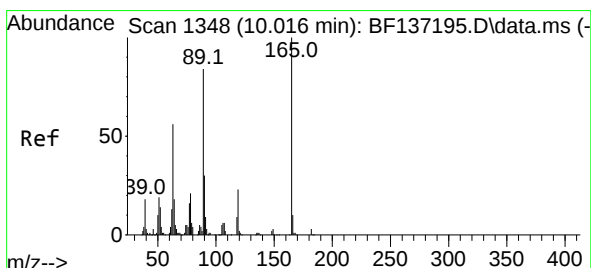
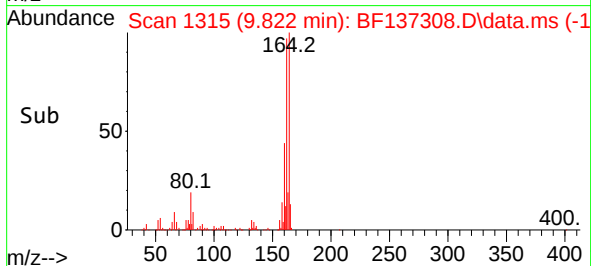
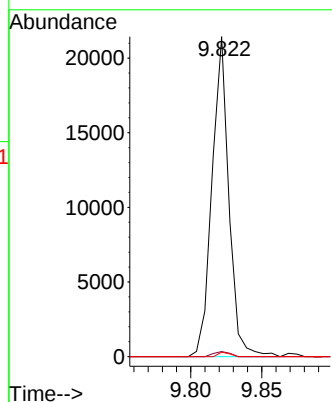
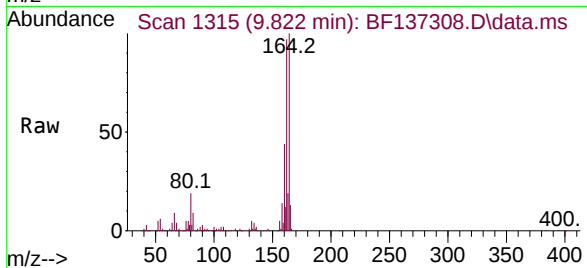
Tgt Ion:165 Resp: 17745

Ion Ratio Lower Upper

165 100

63 1.6 55.1 82.7#

89 1.4 53.5 80.3#



#57

2,4-Dinitrotoluene

Concen: 6.954 ng

RT: 9.822 min Scan# 1315

Delta R.T. -0.194 min

Lab File: BF137308.D

Acq: 06 Feb 2024 23:18

Tgt Ion:165 Resp: 17745

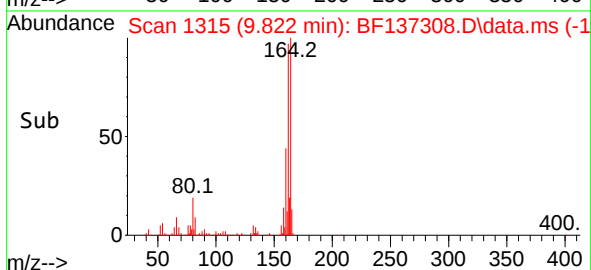
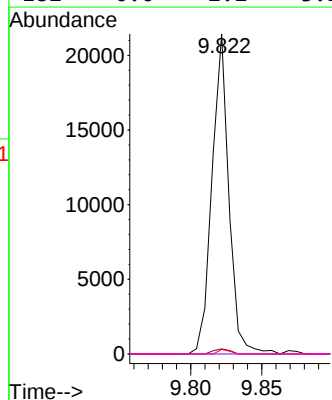
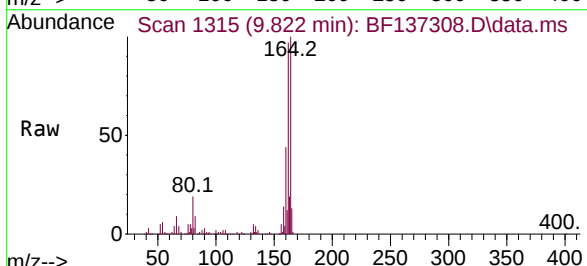
Ion Ratio Lower Upper

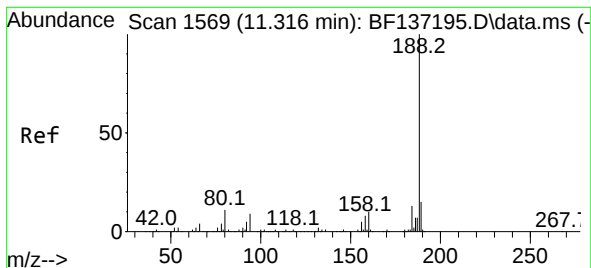
165 100

63 1.6 46.1 69.1#

89 1.4 67.5 101.3#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF137308.D

Acq: 06 Feb 2024 23:18

Instrument :

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ClientSampleId :

WC-1

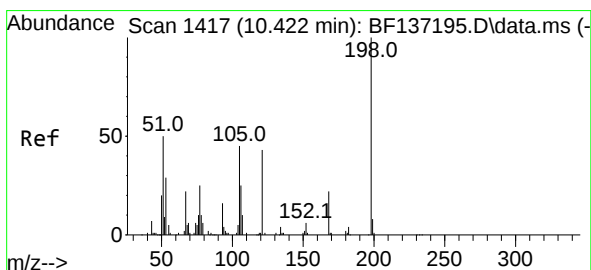
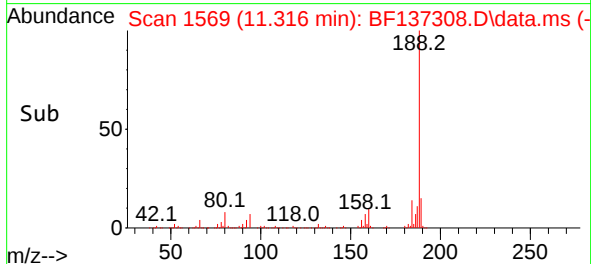
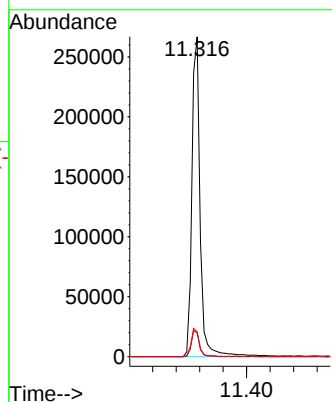
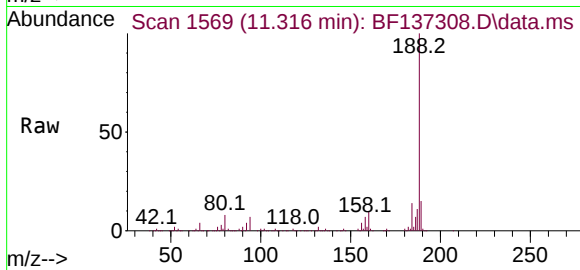
Tgt Ion:188 Resp: 260051

Ion Ratio Lower Upper

188 100

94 7.4 7.0 10.4

80 7.8 8.8 13.2#



#65

4,6-Dinitro-2-methylphenol

Concen: 5.833 ng

RT: 10.616 min Scan# 1450

Delta R.T. 0.194 min

Lab File: BF137308.D

Acq: 06 Feb 2024 23:18

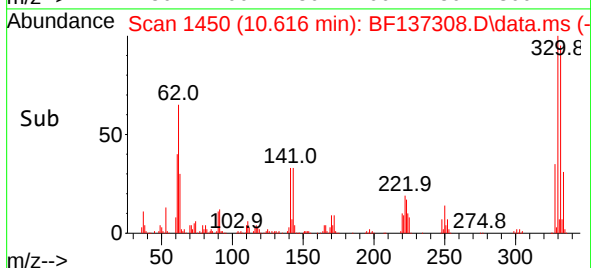
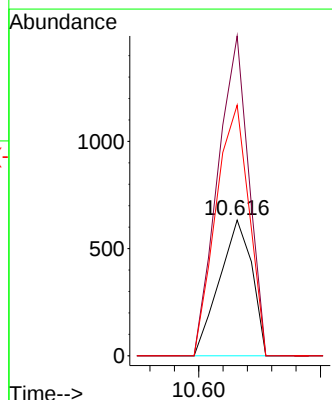
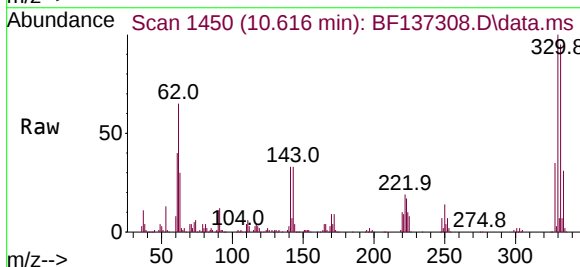
Tgt Ion:198 Resp: 588

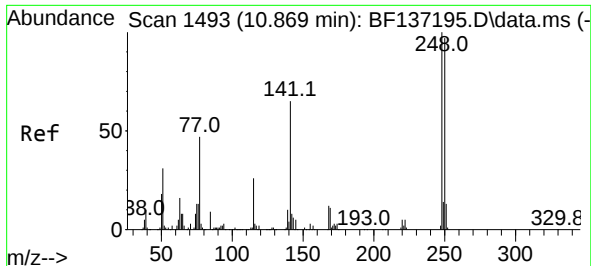
Ion Ratio Lower Upper

198 100

51 235.7 40.9 80.9#

105 184.7 26.5 66.5#

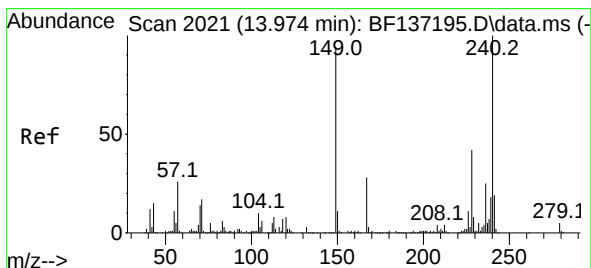
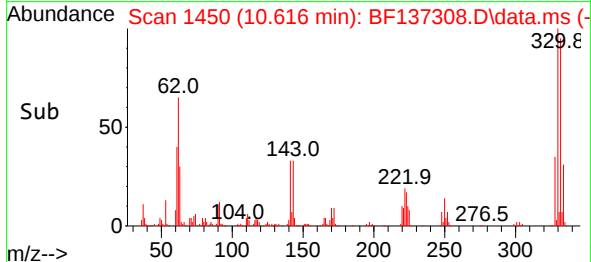
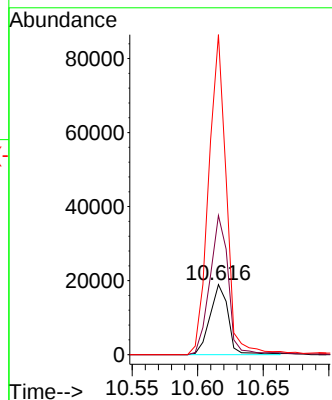
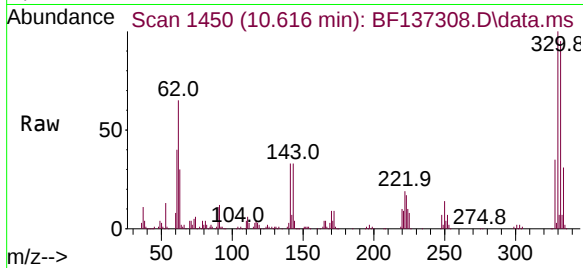




#67
4-Bromophenyl-phenylether
Concen: 6.408 ng
RT: 10.616 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF137308.D
Acq: 06 Feb 2024 23:18

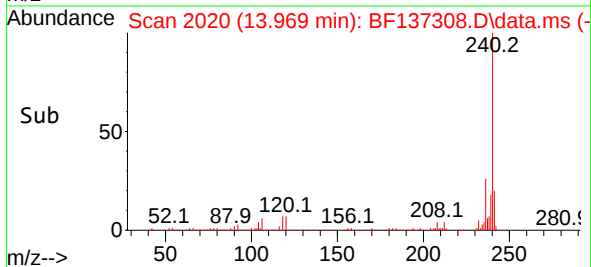
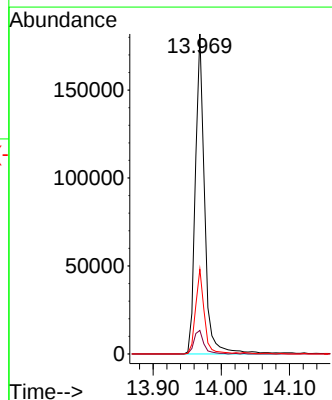
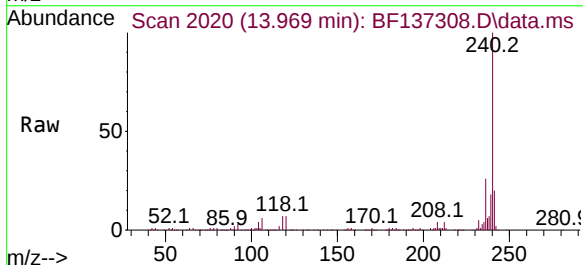
Instrument :
BNA_F
ClientSampleId :
WC-1

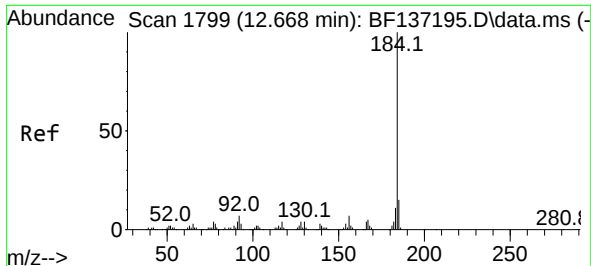
Tgt Ion:248 Resp: 18323
Ion Ratio Lower Upper
248 100
250 198.8 77.7 116.5#
141 457.3 51.6 77.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF137308.D
Acq: 06 Feb 2024 23:18

Tgt Ion:240 Resp: 171849
Ion Ratio Lower Upper
240 100
120 7.3 6.3 9.5
236 26.5 20.3 30.5

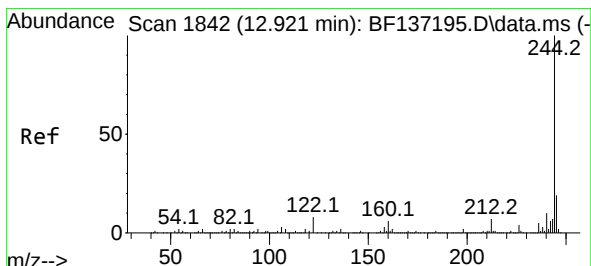
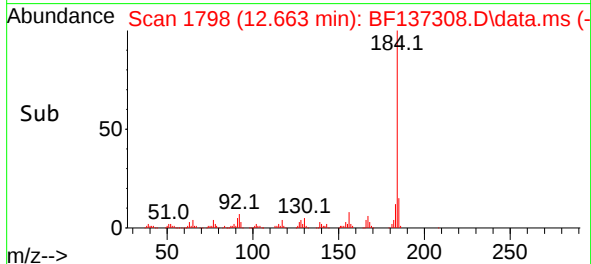
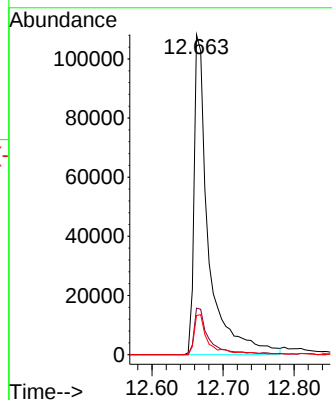
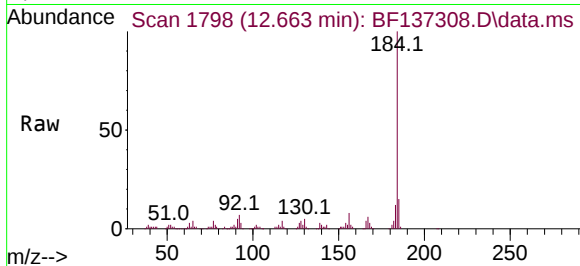




#77
Benzidine
Concen: 49.742 ng
RT: 12.663 min Scan# 1799
Delta R.T. -0.005 min
Lab File: BF137308.D
Acq: 06 Feb 2024 23:18

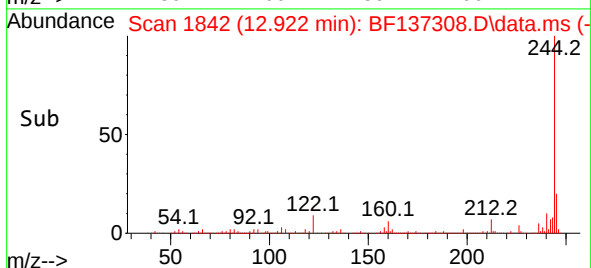
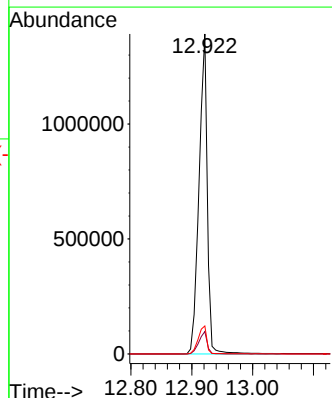
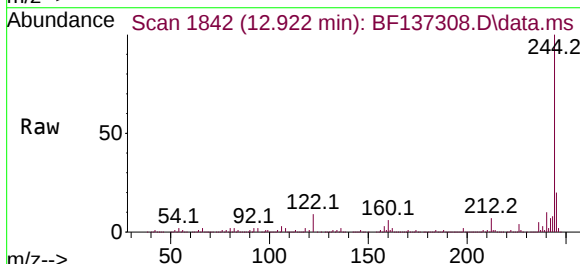
Instrument :
BNA_F
ClientSampleId :
WC-1

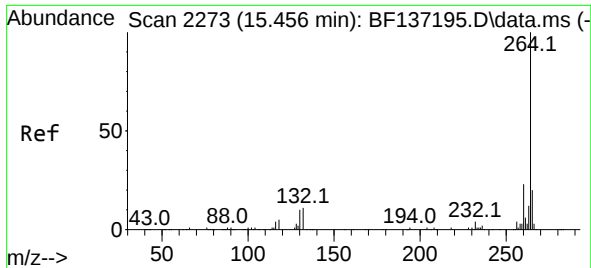
Tgt Ion:184 Resp: 153067
Ion Ratio Lower Upper
184 100
185 14.5 11.9 17.9
183 12.2 8.8 13.2



#79
Terphenyl-d14
Concen: 103.894 ng
RT: 12.922 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BF137308.D
Acq: 06 Feb 2024 23:18

Tgt Ion:244 Resp: 1313338
Ion Ratio Lower Upper
244 100
212 7.0 5.5 8.3
122 8.7 6.2 9.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF137308.D
Acq: 06 Feb 2024 23:18

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:264 Resp: 150234

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.2	27.4
265	21.4	16.2	24.2

