

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)

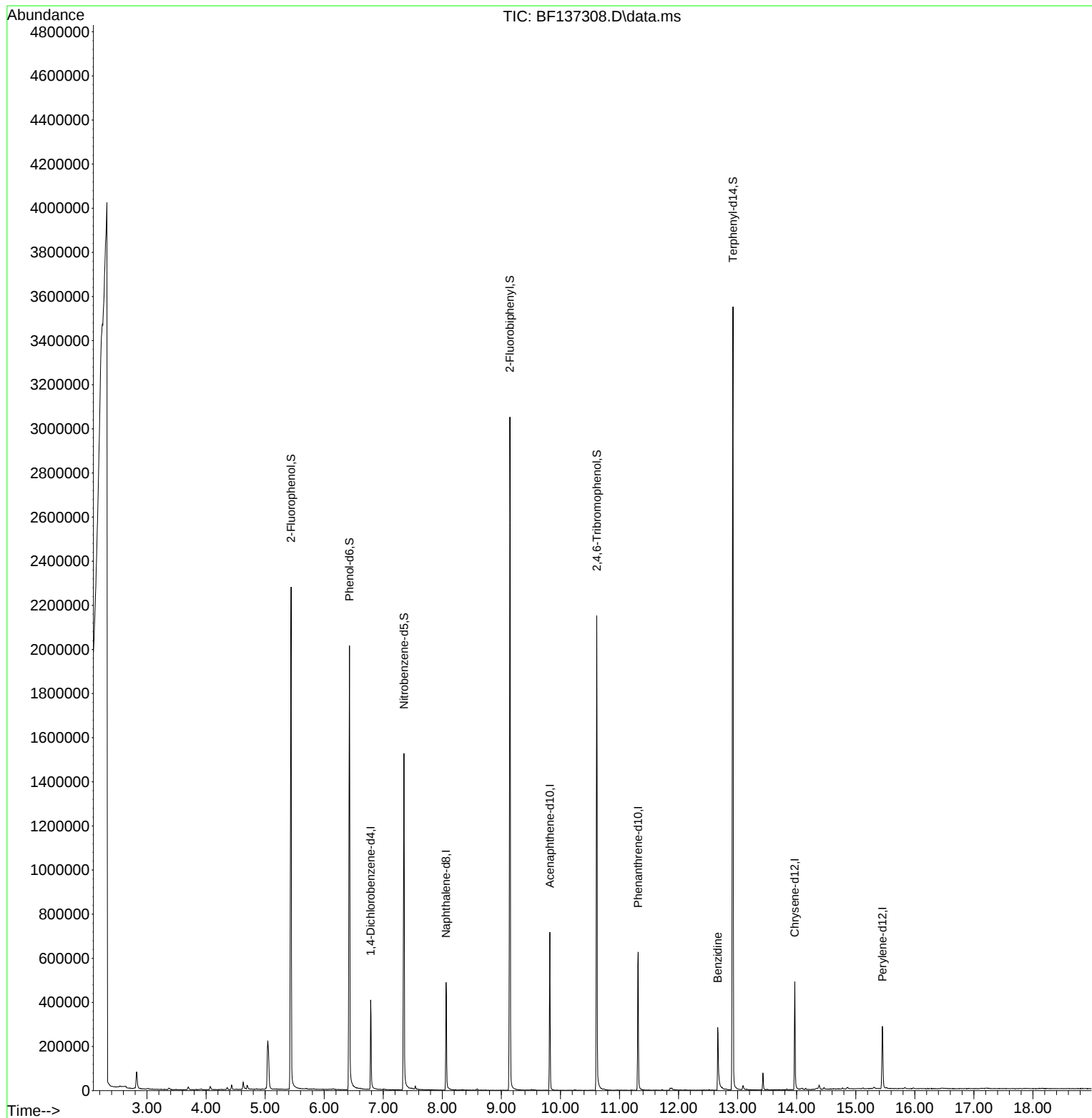
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	61772	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	232686	20.000	ng	-0.01
39) Acenaphthene-d10	9.822	164	136516	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	260051	20.000	ng	# 0.00
76) Chrysene-d12	13.969	240	171849	20.000	ng	0.00
86) Perylene-d12	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						
77) Benzidine	12.663	184	153067	49.742	ng	Qvalue 98

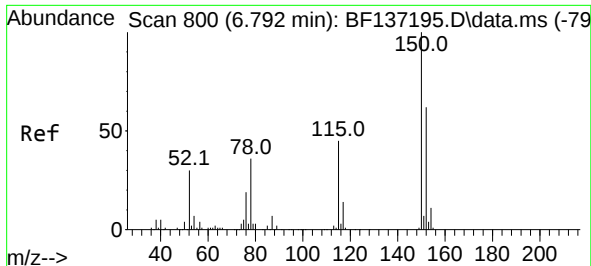
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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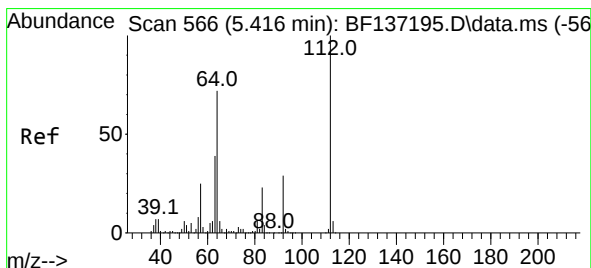
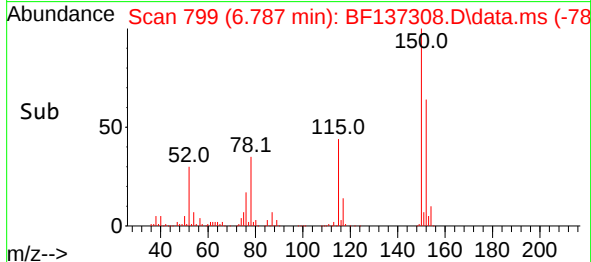
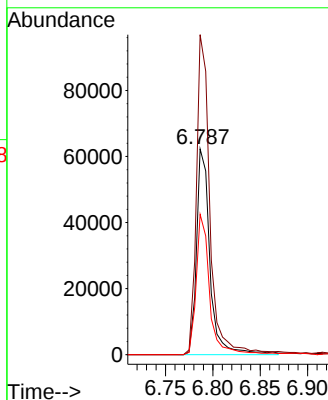
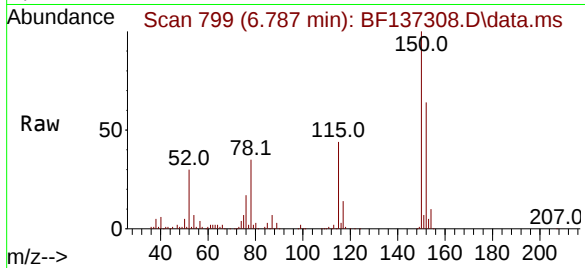




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 70
Delta R.T. -0.005 min
Lab File: BF137308.D
Acq: 06 Feb 2024 23:18

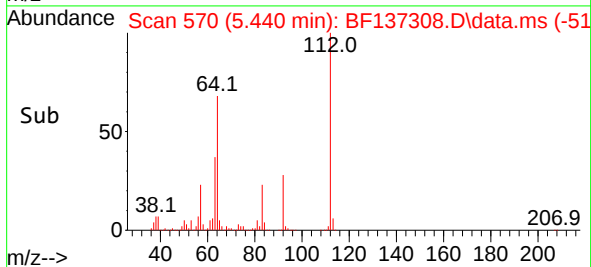
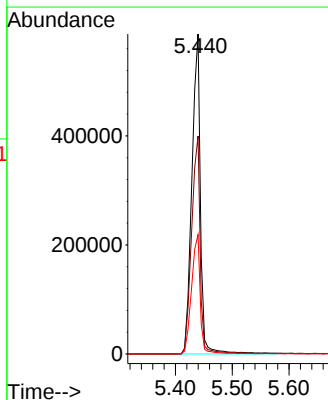
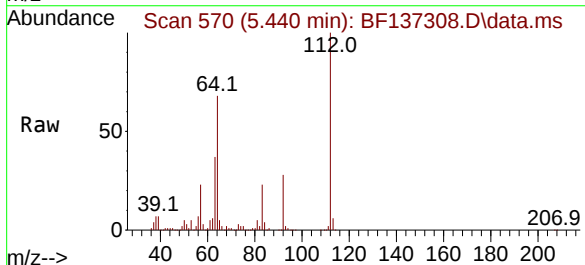
Instrument :
BNA_F
ClientSampleId :
WC-1

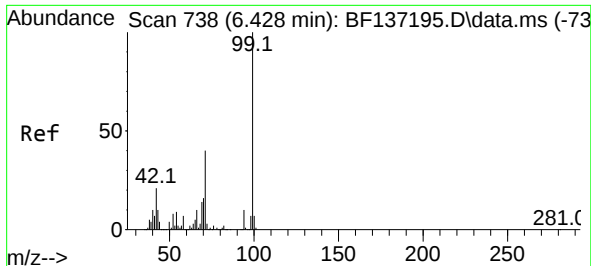
Tgt Ion:152 Resp: 61772
Ion Ratio Lower Upper
152 100
150 155.5 129.8 194.8
115 68.2 58.5 87.7



#5
2-Fluorophenol
Concen: 165.354 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.024 min
Lab File: BF137308.D
Acq: 06 Feb 2024 23:18

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# 71
Delta R.T. 0.000 min
Lab File: BF137308.D
Acq: 06 Feb 2024 23:18

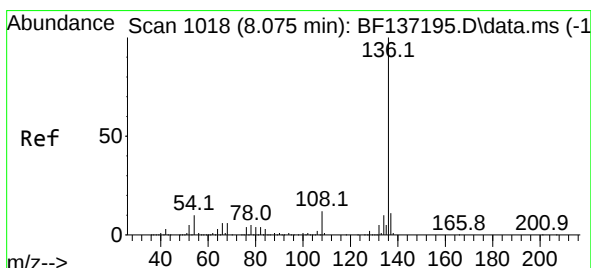
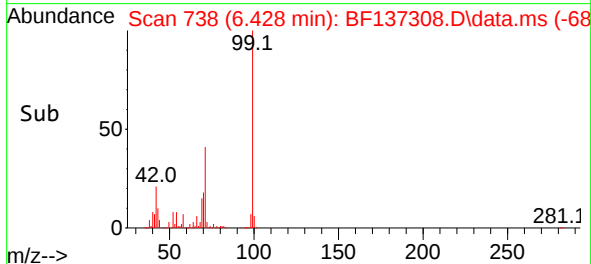
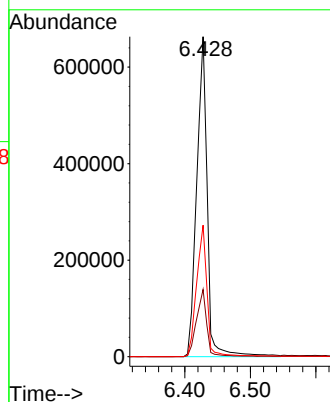
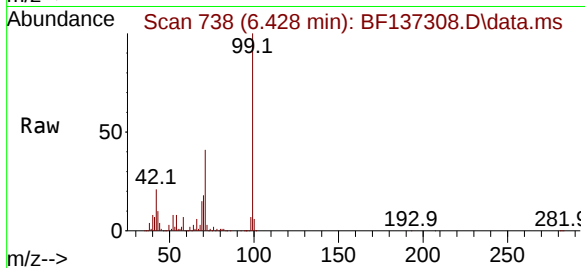
Instrument :

BNA_F

ClientSampleId :

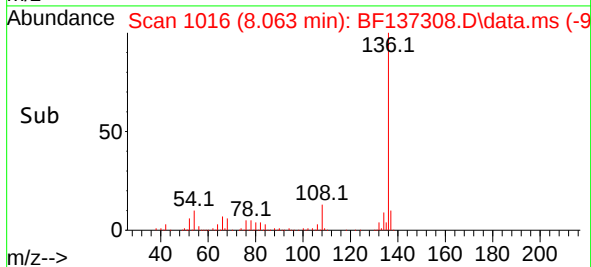
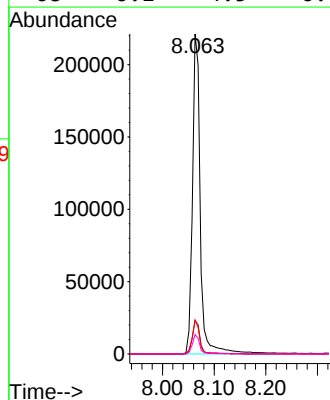
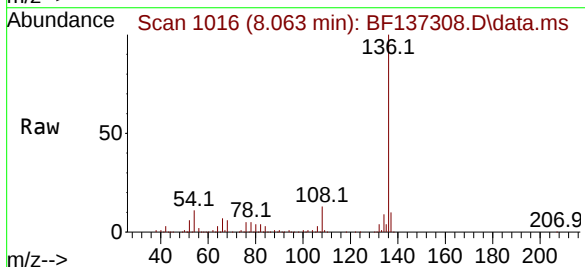
WC-1

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



#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# 896

Delta R.T. -0.006 min

Lab File: BF137308.D

Acq: 06 Feb 2024 23:18

Instrument :

BNA_F

ClientSampleId :

WC-1

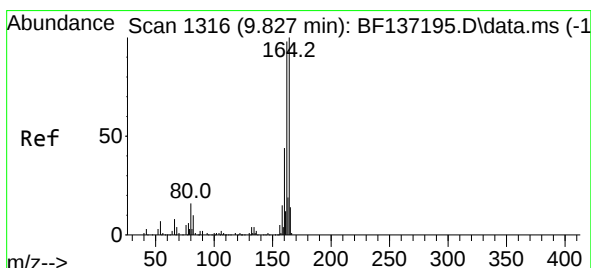
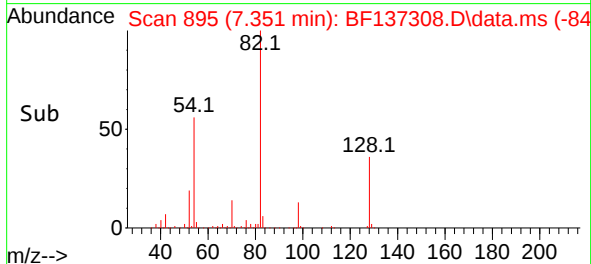
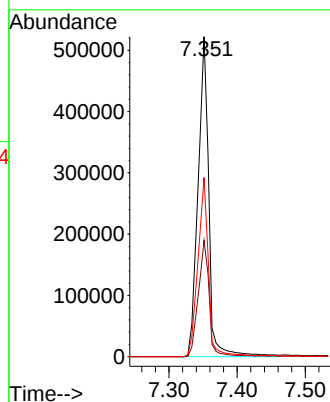
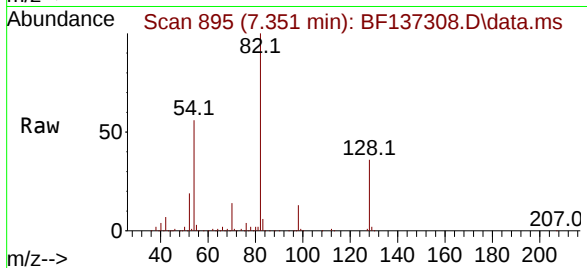
Tgt Ion: 82 Resp: 572991

Ion Ratio Lower Upper

82 100

128 36.4 29.1 43.7

54 56.0 45.0 67.6



#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

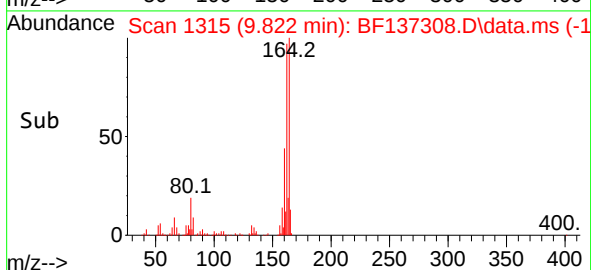
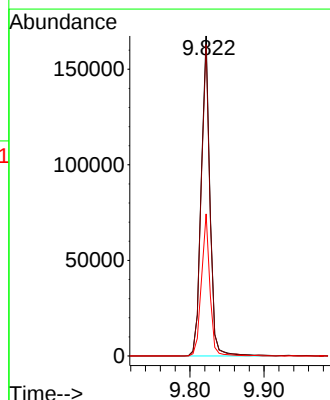
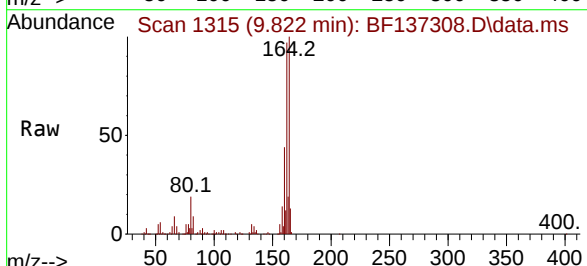
Tgt Ion:164 Resp: 136516

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

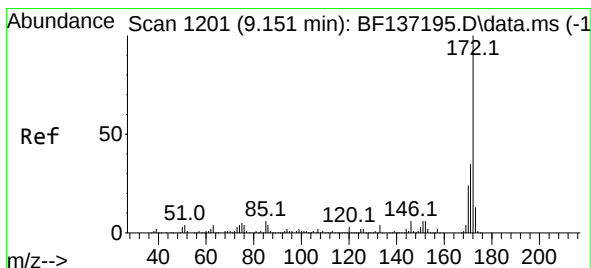
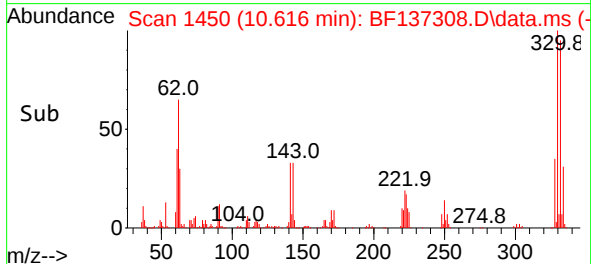
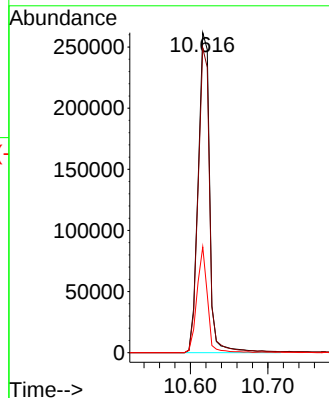
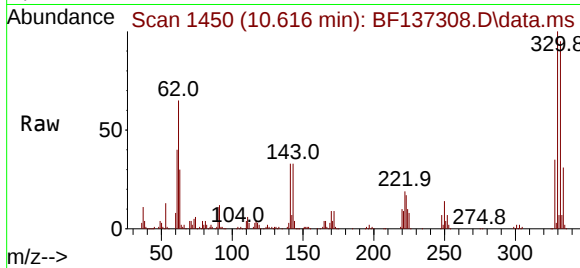
Tgt Ion:330 Resp: 270431

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

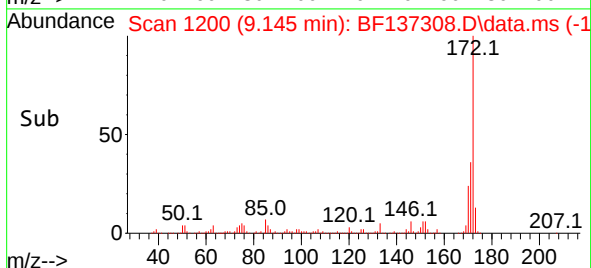
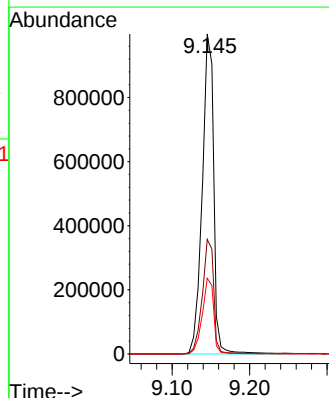
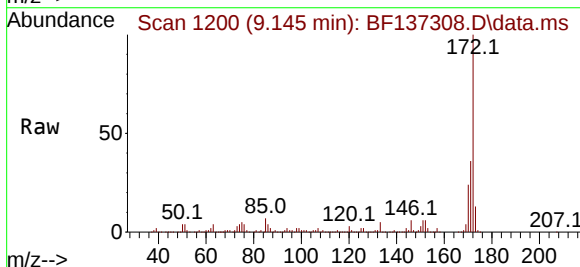
Tgt Ion:172 Resp: 1029055

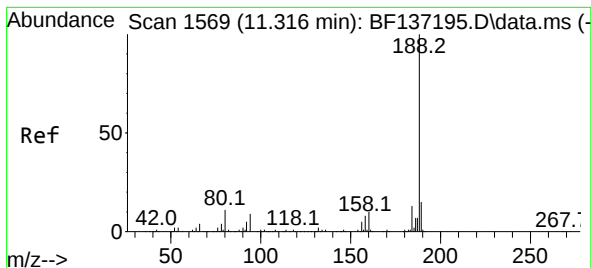
Ion Ratio Lower Upper

172 100

171 35.8 28.3 42.5

170 23.7 19.1 28.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF137308.D

Acq: 06 Feb 2024 23:18

Instrument :

BNA_F

ClientSampleId :

WC-1

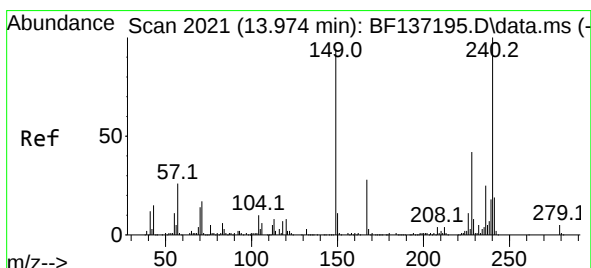
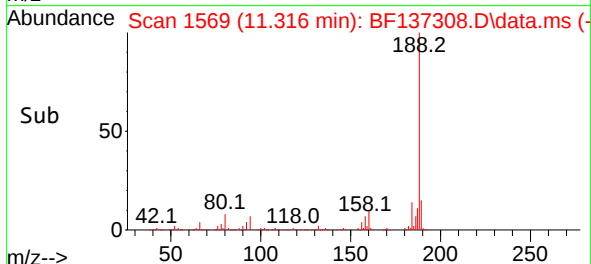
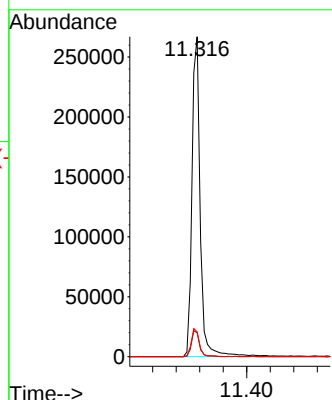
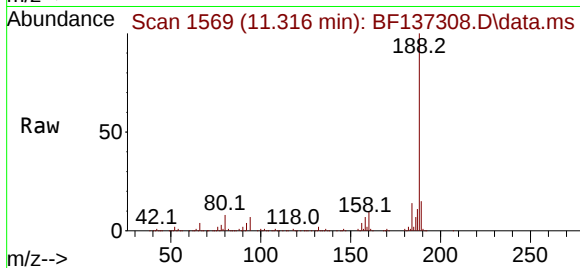
Tgt Ion:188 Resp: 260051

Ion Ratio Lower Upper

188 100

94 7.4 7.0 10.4

80 7.8 8.8 13.2#



#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

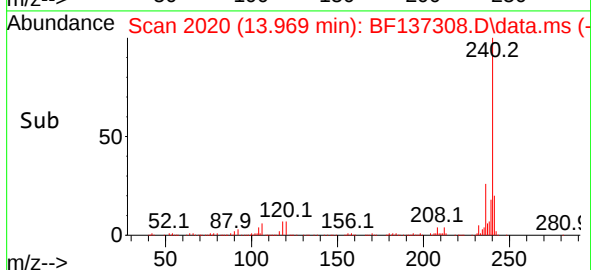
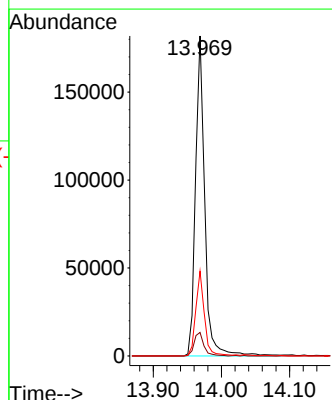
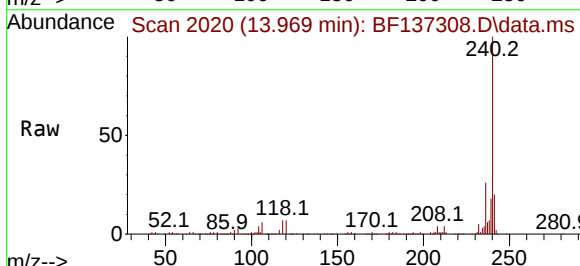
Tgt Ion:240 Resp: 171849

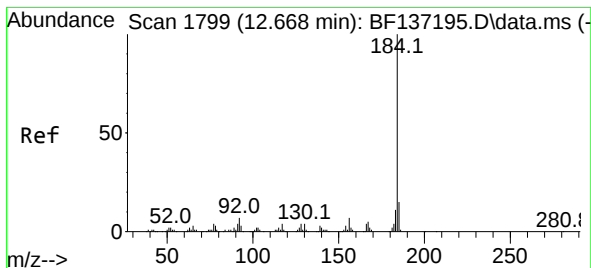
Ion Ratio Lower Upper

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

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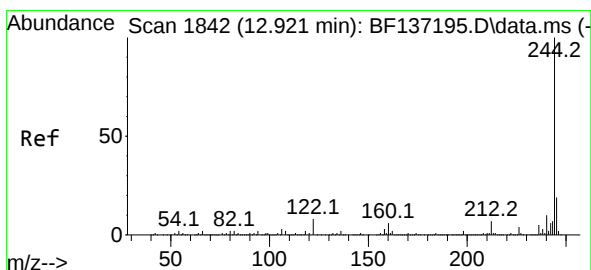
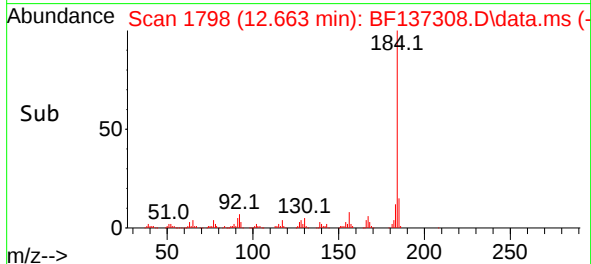
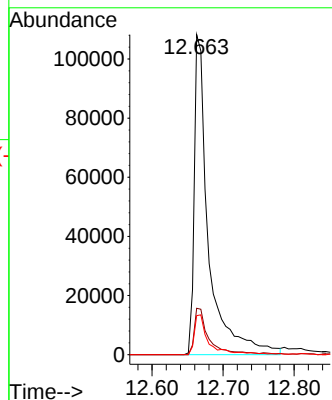
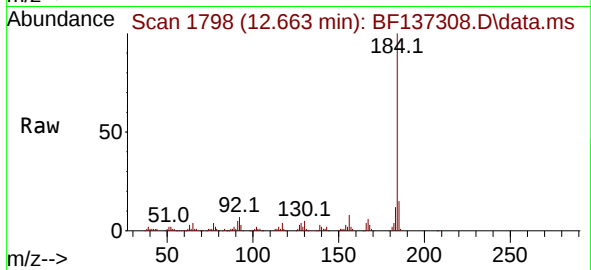
Tgt Ion:184 Resp: 153067

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

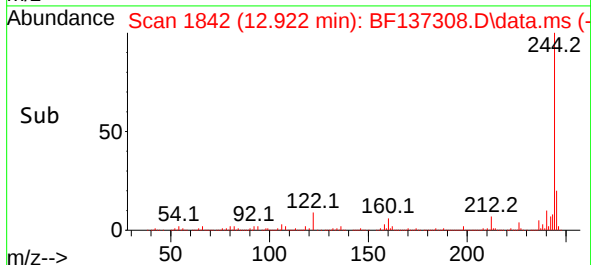
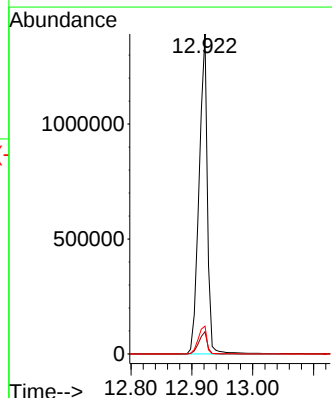
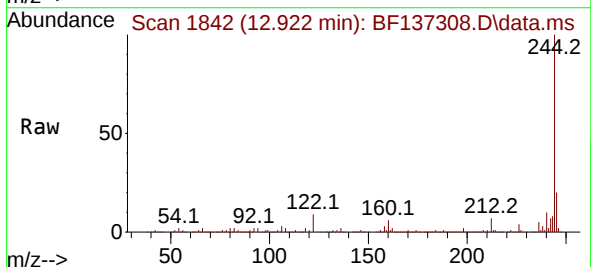
Tgt Ion:244 Resp: 1313338

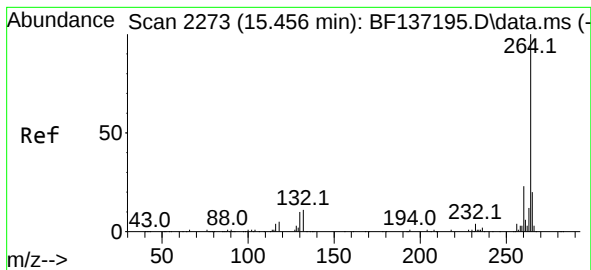
Ion Ratio Lower Upper

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# 21
 Delta R.T. -0.006 min
 Lab File: BF137308.D
 Acq: 06 Feb 2024 23:18

Instrument :
 BNA_F
 ClientSampleId :
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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

