

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020624\
 Data File : BF137306.D
 Acq On : 06 Feb 2024 22:18
 Operator : CG\JU
 Sample : P1337-15
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Quant Time: Feb 07 01:08:08 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)

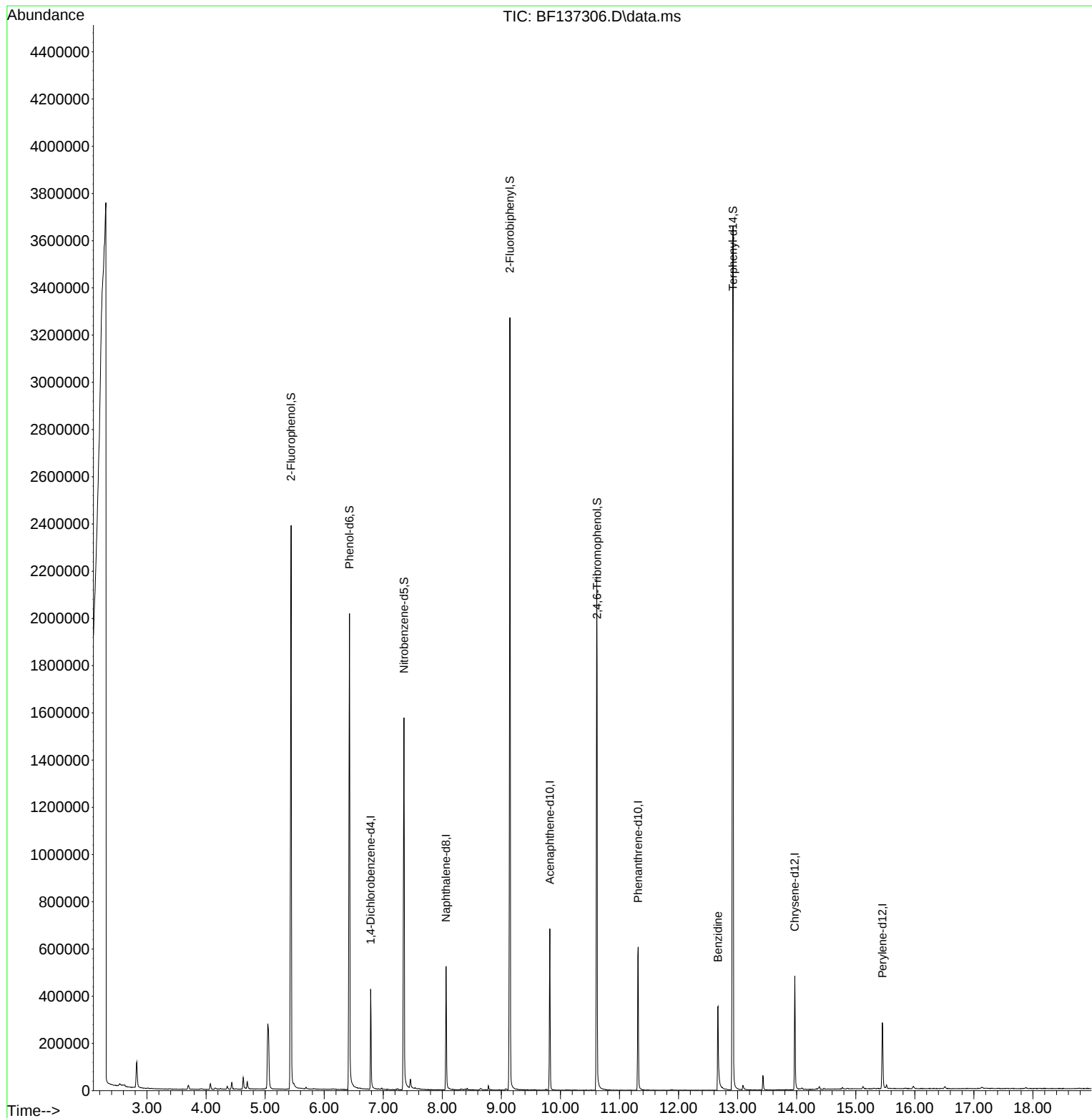
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	58819	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	228398	20.000	ng	-0.01
39) Acenaphthene-d10	9.822	164	135223	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	255956	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	174324	20.000	ng	0.00
86) Perylene-d12	15.451	264	146502	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	639305	179.348	ng	0.02
7) Phenol-d6	6.428	99	753022	148.027	ng	0.00
23) Nitrobenzene-d5	7.351	82	625859	122.684	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	286111	187.350	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	1097874	111.609	ng	0.00
79) Terphenyl-d14	12.921	244	1428786	111.422	ng	0.00
Target Compounds						
77) Benzidine	12.669	184	196318	62.892	ng	Qvalue 97

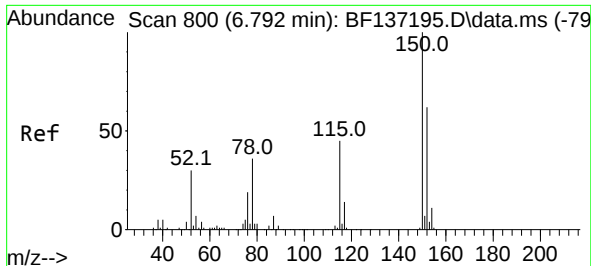
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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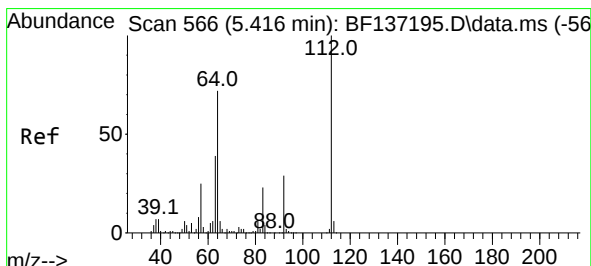
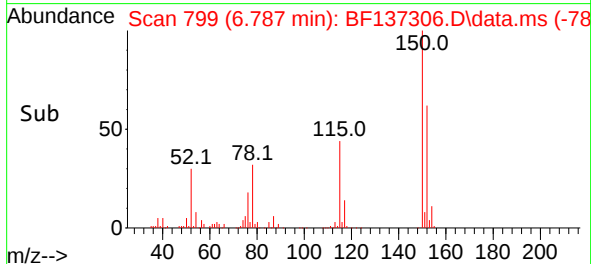
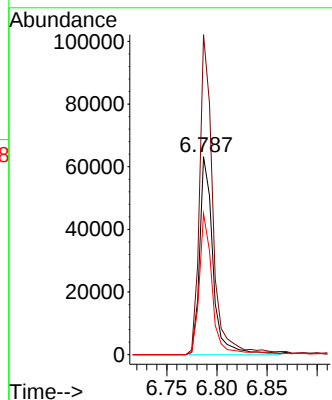
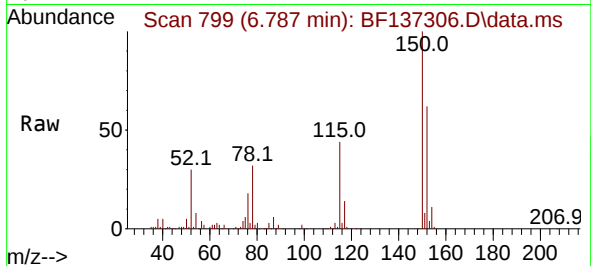




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 71
Delta R.T. -0.005 min
Lab File: BF137306.D
Acq: 06 Feb 2024 22:18

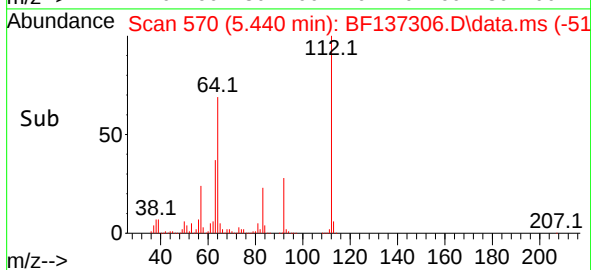
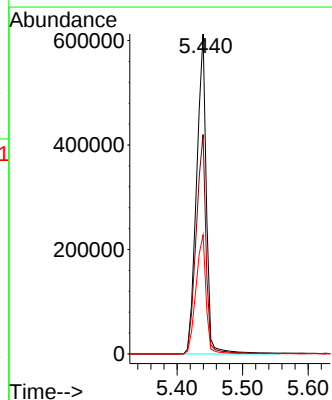
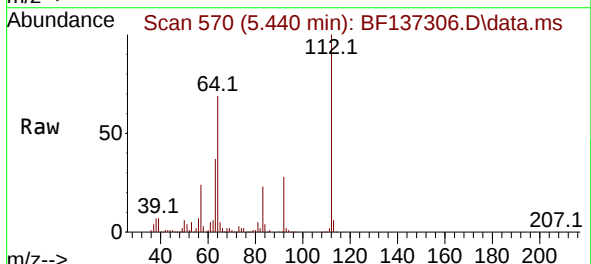
Instrument :
BNA_F
ClientSampleId :
TP-5

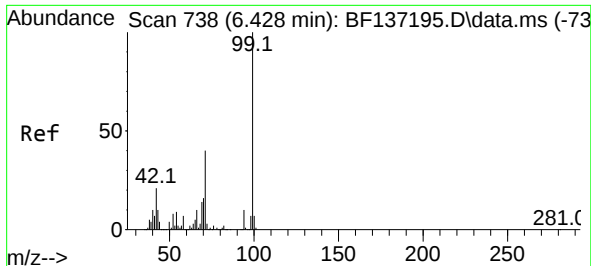
Tgt Ion:152 Resp: 58819
Ion Ratio Lower Upper
152 100
150 161.7 129.8 194.8
115 71.2 58.5 87.7



#5
2-Fluorophenol
Concen: 179.348 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.024 min
Lab File: BF137306.D
Acq: 06 Feb 2024 22:18

Tgt Ion:112 Resp: 639305
Ion Ratio Lower Upper
112 100
64 68.6 57.8 86.6
63 37.2 31.4 47.0





#7
Phenol-d6
Concen: 148.027 ng
RT: 6.428 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF137306.D
Acq: 06 Feb 2024 22:18

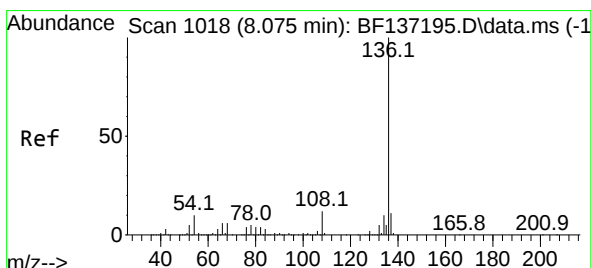
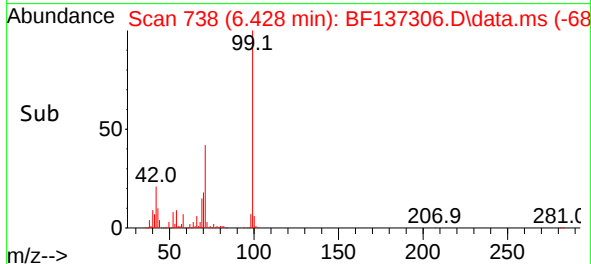
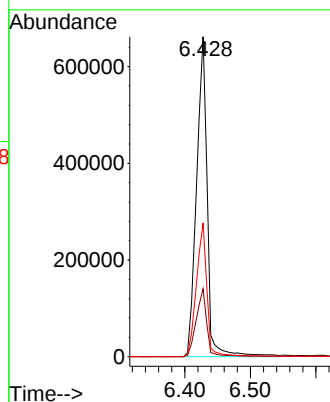
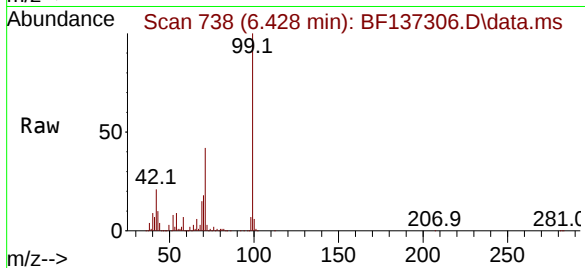
Instrument :

BNA_F

ClientSampleId :

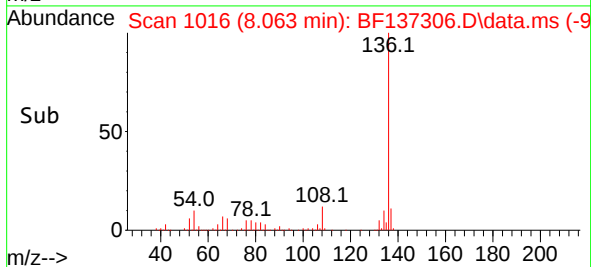
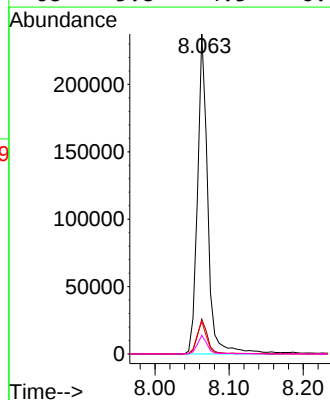
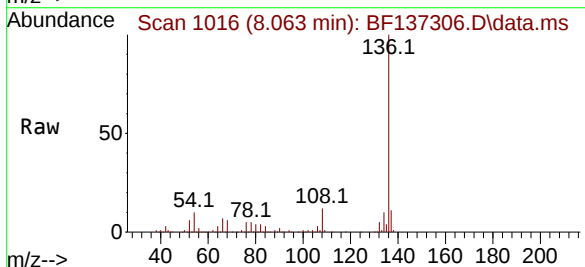
TP-5

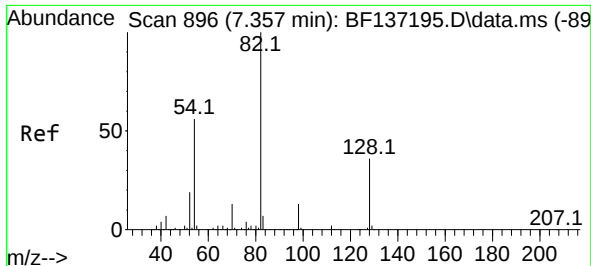
Tgt Ion: 99 Resp: 753022
Ion Ratio Lower Upper
99 100
42 21.2 16.4 24.6
71 41.8 32.4 48.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.012 min
Lab File: BF137306.D
Acq: 06 Feb 2024 22:18

Tgt Ion:136 Resp: 228398
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 10.2 7.8 11.8
68 5.8 4.5 6.7





#23

Nitrobenzene-d5

Concen: 122.684 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF137306.D

Acq: 06 Feb 2024 22:18

Instrument :

BNA_F

ClientSampleId :

TP-5

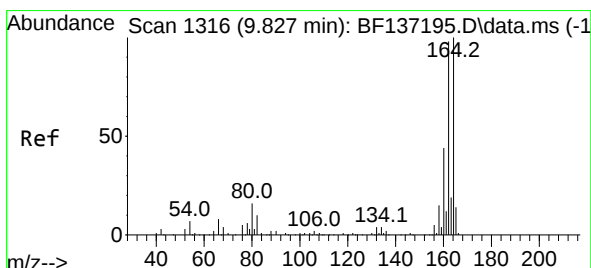
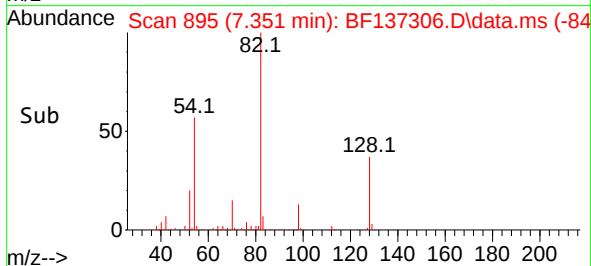
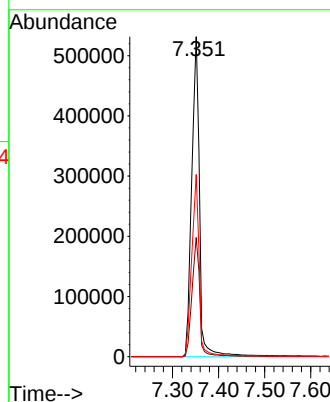
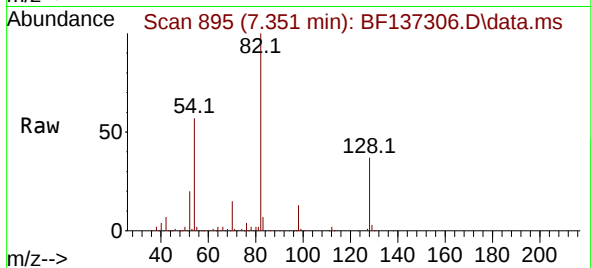
Tgt Ion: 82 Resp: 625859

Ion Ratio Lower Upper

82 100

128 37.3 29.1 43.7

54 56.9 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: BF137306.D

Acq: 06 Feb 2024 22:18

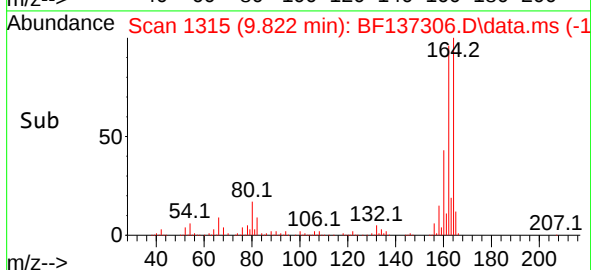
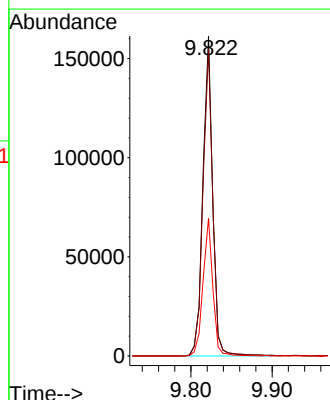
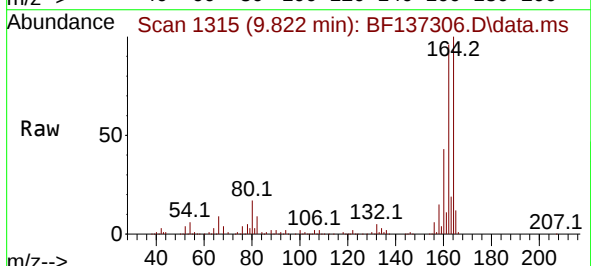
Tgt Ion:164 Resp: 135223

Ion Ratio Lower Upper

164 100

162 95.8 78.3 117.5

160 43.1 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 187.350 ng

RT: 10.622 min Scan# 1451

Delta R.T. 0.000 min

Lab File: BF137306.D

Acq: 06 Feb 2024 22:18

Instrument :

BNA_F

ClientSampleId :

TP-5

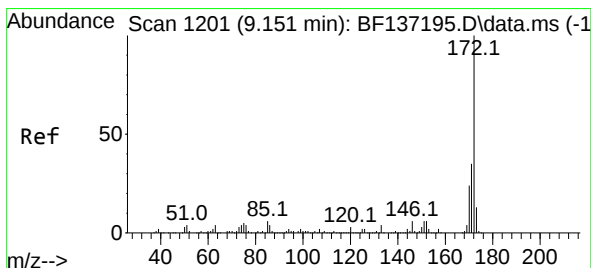
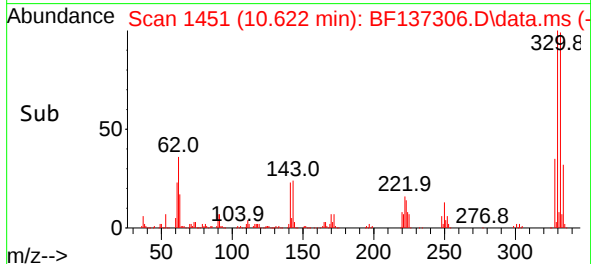
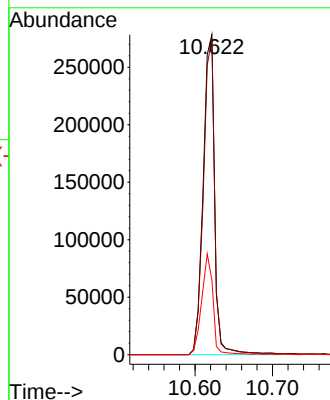
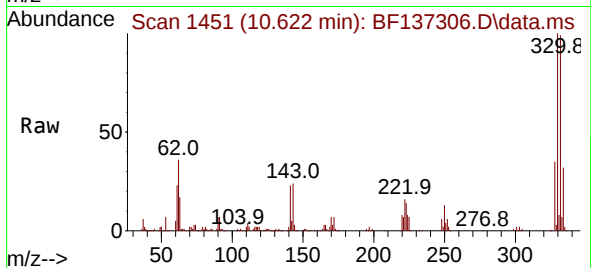
Tgt Ion:330 Resp: 286111

Ion Ratio Lower Upper

330 100

332 96.6 77.3 115.9

141 31.1 25.2 37.8



#45

2-Fluorobiphenyl

Concen: 111.609 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF137306.D

Acq: 06 Feb 2024 22:18

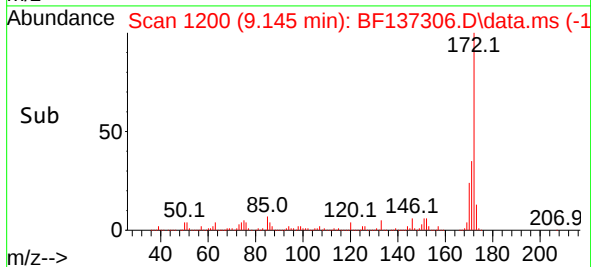
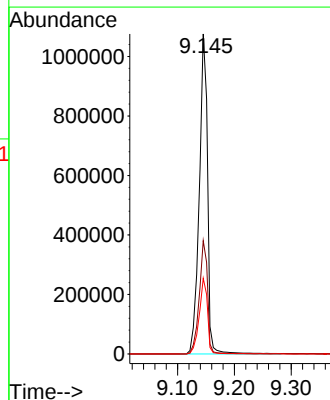
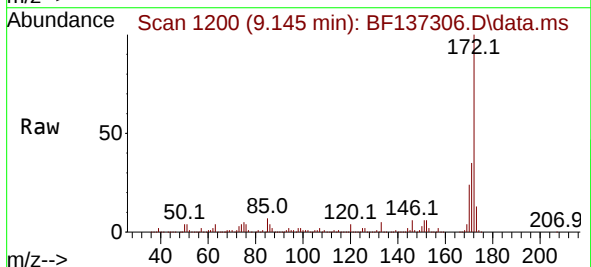
Tgt Ion:172 Resp: 1097874

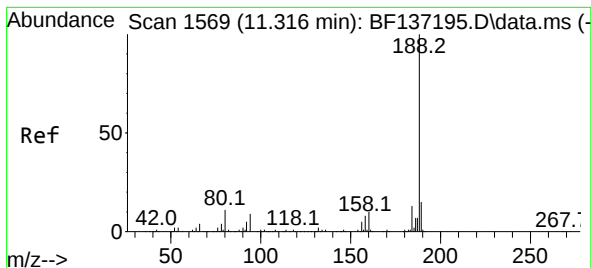
Ion Ratio Lower Upper

172 100

171 35.4 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: BF137306.D

Acq: 06 Feb 2024 22:18

Instrument :

BNA_F

ClientSampleId :

TP-5

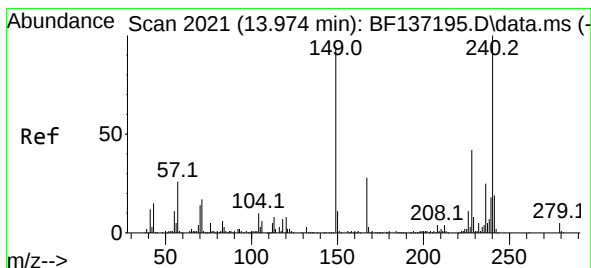
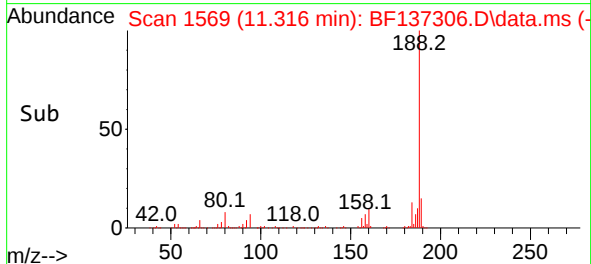
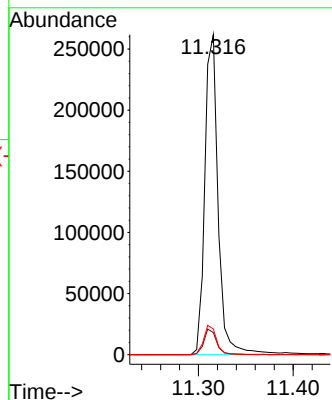
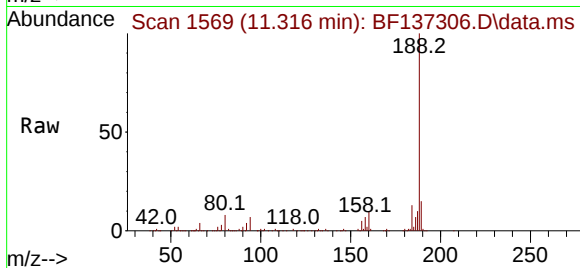
Tgt Ion:188 Resp: 255956

Ion Ratio Lower Upper

188 100

94 6.9 7.0 10.4#

80 8.0 8.8 13.2#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 2020

Delta R.T. -0.006 min

Lab File: BF137306.D

Acq: 06 Feb 2024 22:18

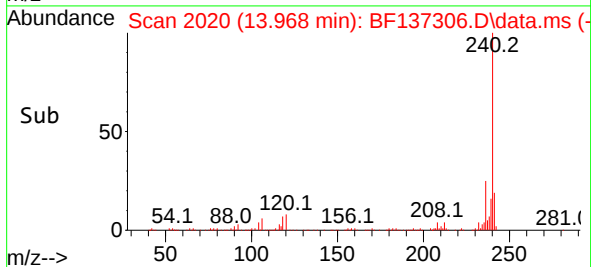
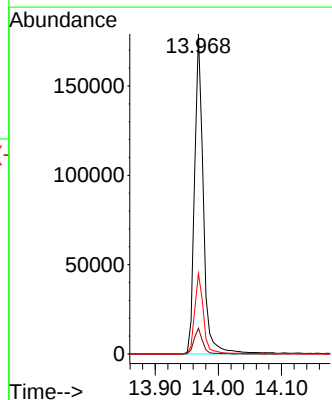
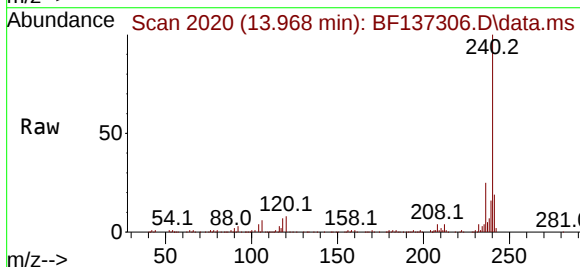
Tgt Ion:240 Resp: 174324

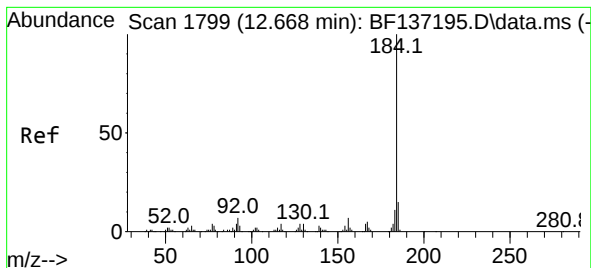
Ion Ratio Lower Upper

240 100

120 8.1 6.3 9.5

236 25.2 20.3 30.5





#77

Benzidine

Concen: 62.892 ng

RT: 12.669 min Scan# 1

Delta R.T. 0.001 min

Lab File: BF137306.D

Acq: 06 Feb 2024 22:18

Instrument :

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TP-5

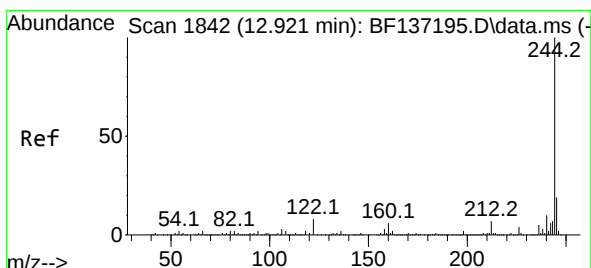
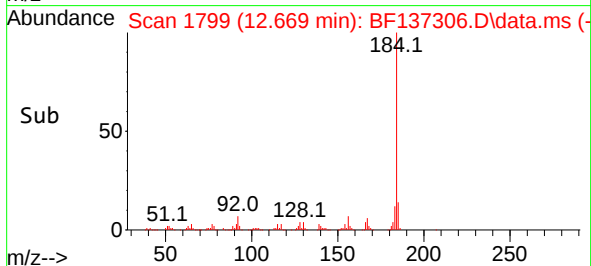
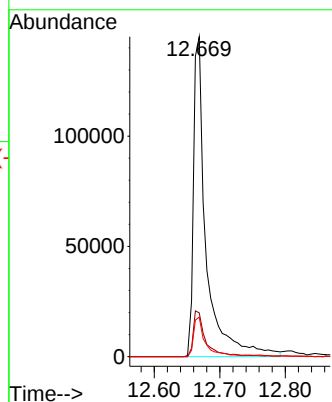
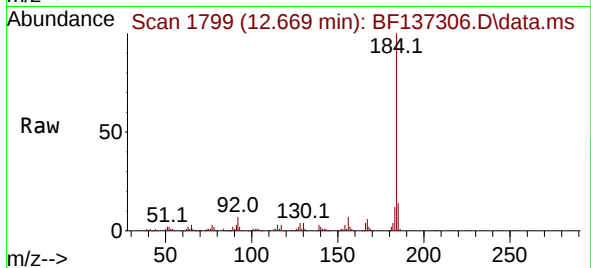
Tgt Ion:184 Resp: 196318

Ion Ratio Lower Upper

184 100

185 13.7 11.9 17.9

183 12.3 8.8 13.2



#79

Terphenyl-d14

Concen: 111.422 ng

RT: 12.921 min Scan# 1842

Delta R.T. 0.000 min

Lab File: BF137306.D

Acq: 06 Feb 2024 22:18

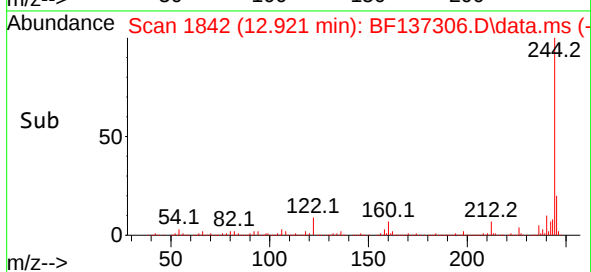
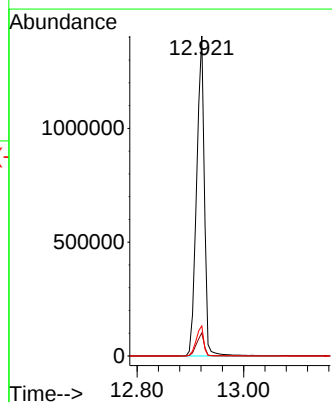
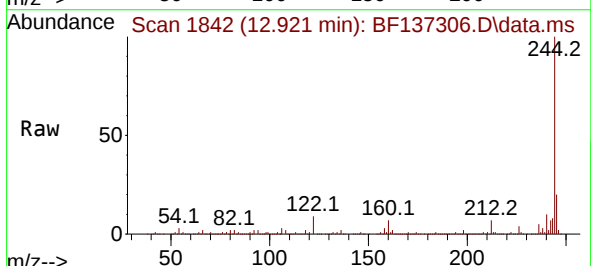
Tgt Ion:244 Resp: 1428786

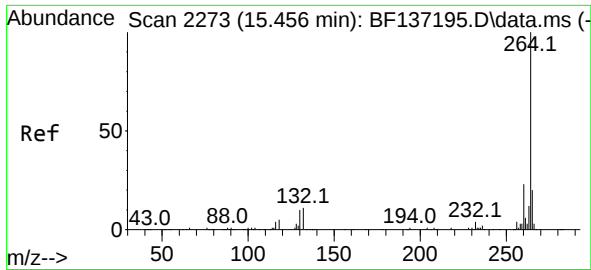
Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

122 9.4 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: BF137306.D

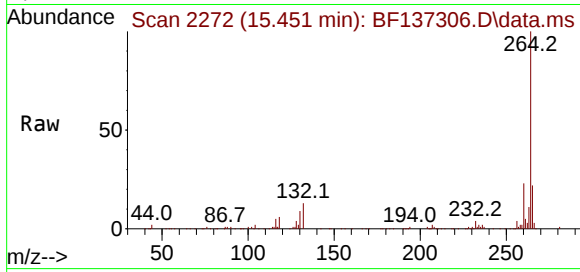
Acq: 06 Feb 2024 22:18

Instrument :

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ClientSampleId :

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Tgt Ion:264 Resp: 146502

Ion Ratio Lower Upper

264 100

260 22.9 18.2 27.4

265 22.1 16.2 24.2

