

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011024\
 Data File : BF137027.D
 Acq On : 10 Jan 2024 18:59
 Operator : CG\JU
 Sample : P1056-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MR-311P-30-32

Quant Time: Jan 11 00:02:25 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

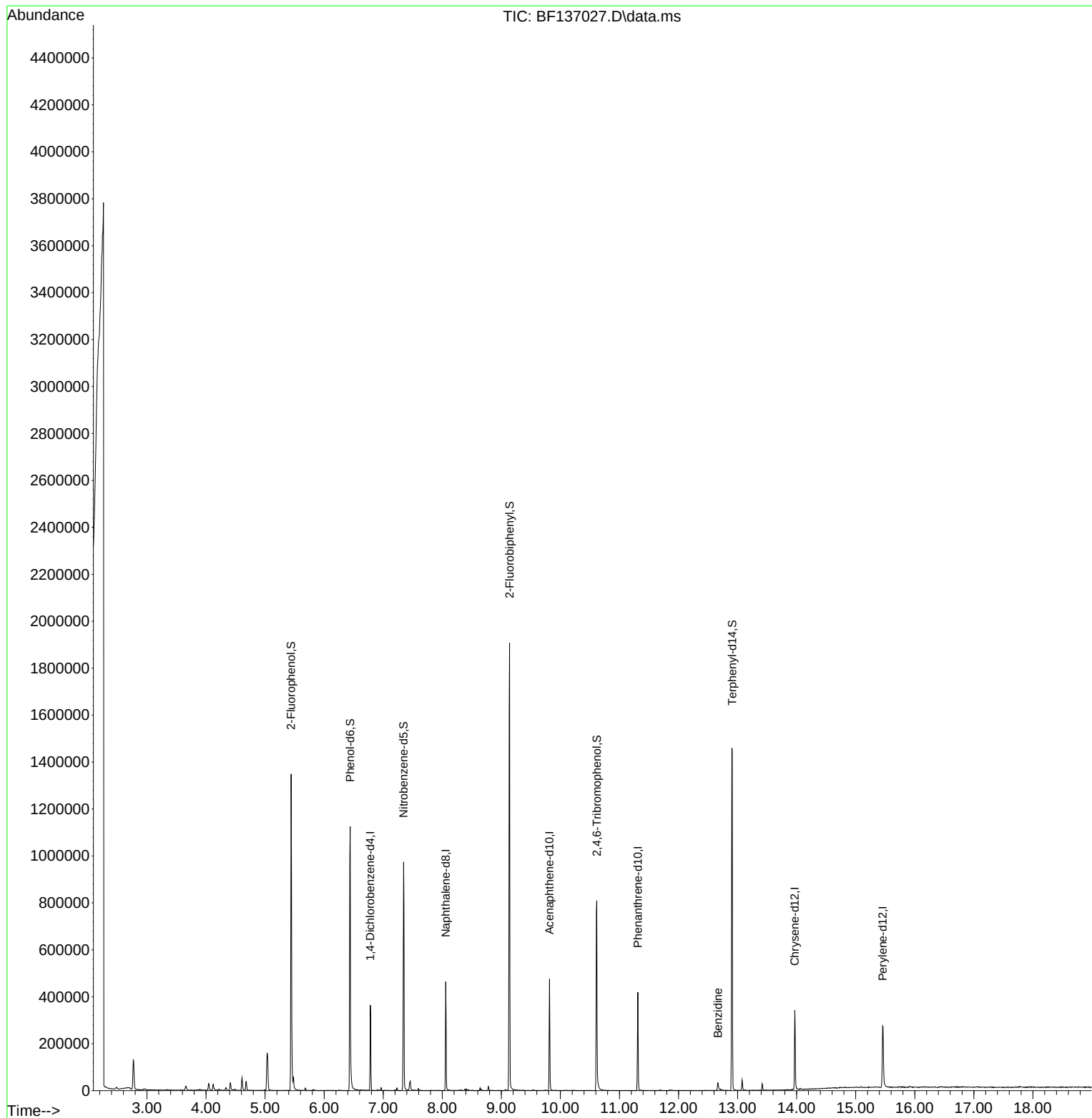
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	55591	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	195883	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	90527	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	151125	20.000	ng	0.00
76) Chrysene-d12	13.969	240	123597	20.000	ng	0.00
86) Perylene-d12	15.457	264	145910	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	380533	106.805	ng	0.01
7) Phenol-d6	6.440	99	416323	90.179	ng	0.00
23) Nitrobenzene-d5	7.345	82	317874	83.039	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	121634	114.086	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	616860	91.649	ng	-0.01
79) Terphenyl-d14	12.910	244	578466	65.405	ng	0.00
Target Compounds						
77) Benzidine	12.669	184	26342	7.228	ng	Qvalue # 94

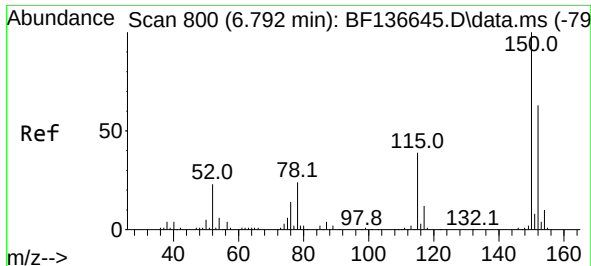
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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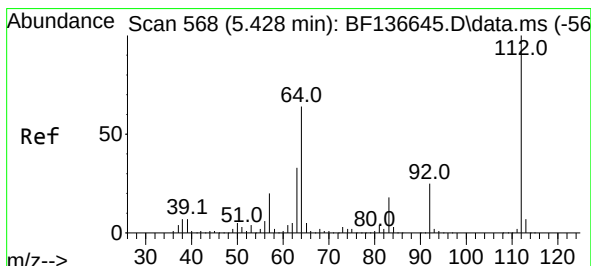
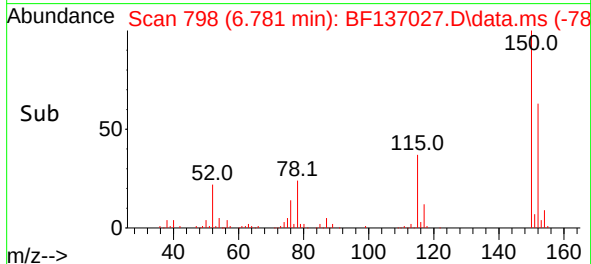
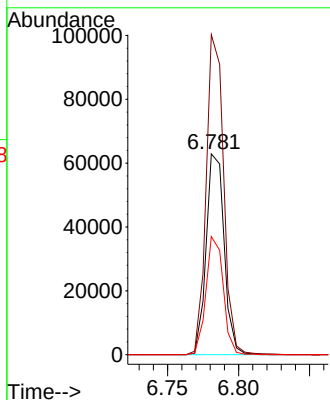
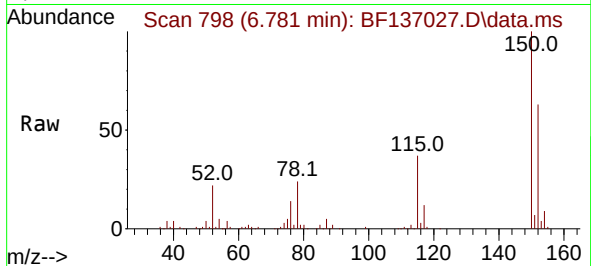




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF137027.D
Acq: 10 Jan 2024 18:59

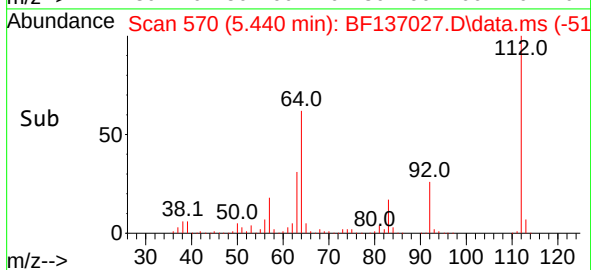
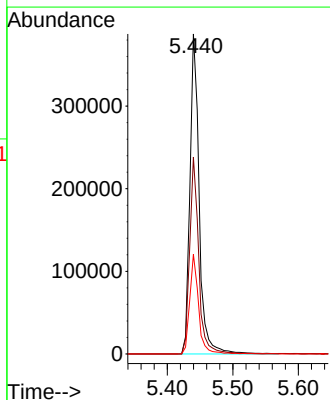
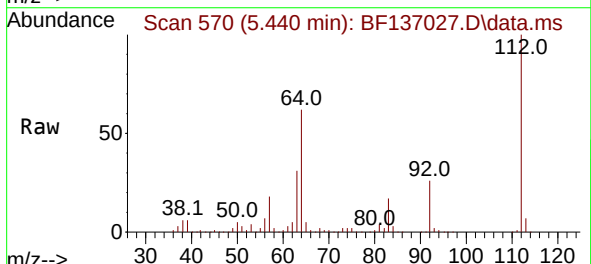
Instrument :
BNA_F
ClientSampleId :
MR-311P-30-32

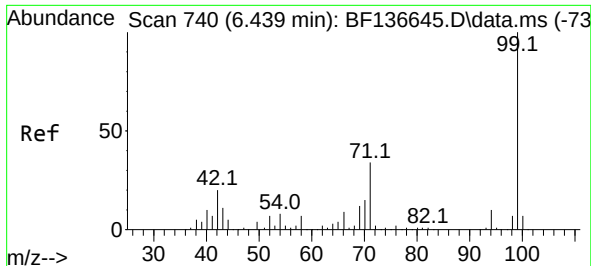
Tgt Ion:152 Resp: 55591
Ion Ratio Lower Upper
152 100
150 159.3 127.0 190.6
115 58.8 49.0 73.4



#5
2-Fluorophenol
Concen: 106.805 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.012 min
Lab File: BF137027.D
Acq: 10 Jan 2024 18:59

Tgt Ion:112 Resp: 380533
Ion Ratio Lower Upper
112 100
64 61.5 51.1 76.7
63 31.1 26.1 39.1





#7

Phenol-d6

Concen: 90.179 ng

RT: 6.440 min Scan# 74

Delta R.T. 0.000 min

Lab File: BF137027.D

Acq: 10 Jan 2024 18:59

Instrument :

BNA_F

ClientSampleId :

MR-311P-30-32

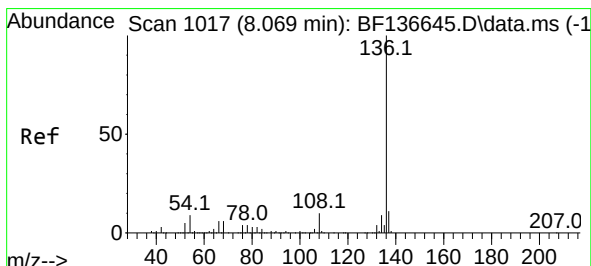
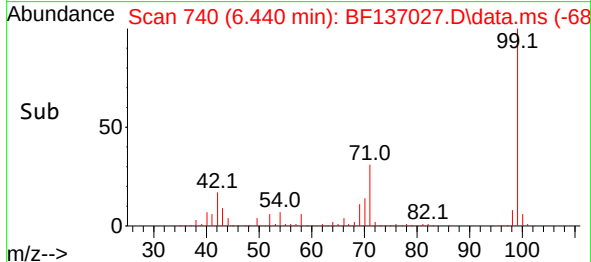
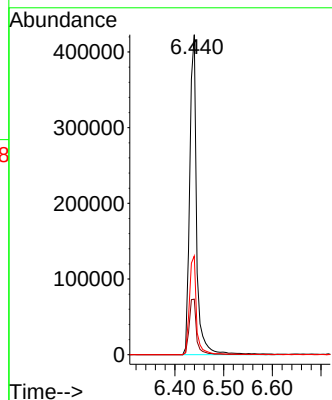
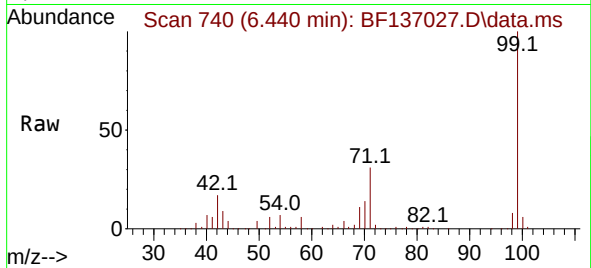
Tgt Ion: 99 Resp: 416323

Ion Ratio Lower Upper

99 100

42 17.4 16.1 24.1

71 30.9 27.4 41.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.057 min Scan# 1015

Delta R.T. -0.012 min

Lab File: BF137027.D

Acq: 10 Jan 2024 18:59

Tgt Ion:136 Resp: 195883

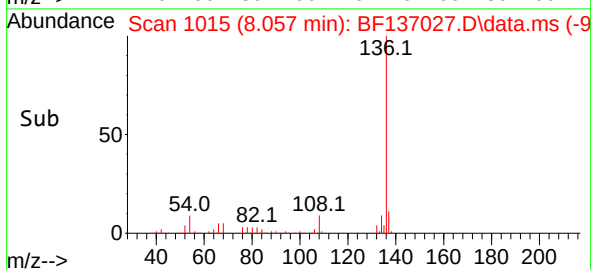
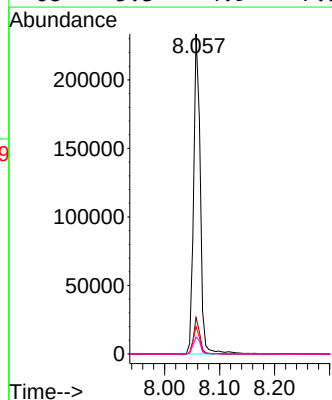
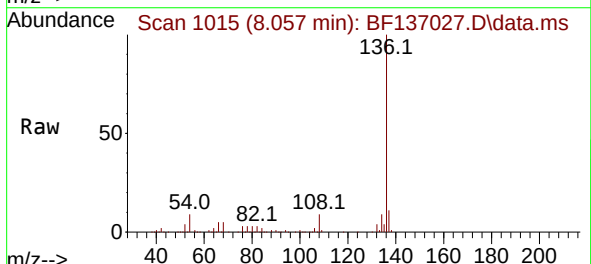
Ion Ratio Lower Upper

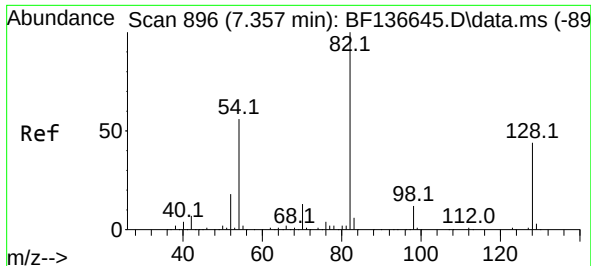
136 100

137 11.4 9.0 13.4

54 8.6 7.2 10.8

68 5.3 4.9 7.3





#23

Nitrobenzene-d5

Concen: 83.039 ng

RT: 7.345 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF137027.D

Acq: 10 Jan 2024 18:59

Instrument :

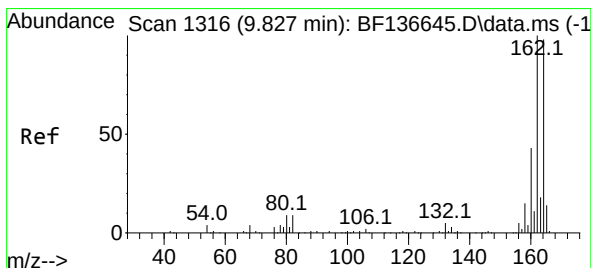
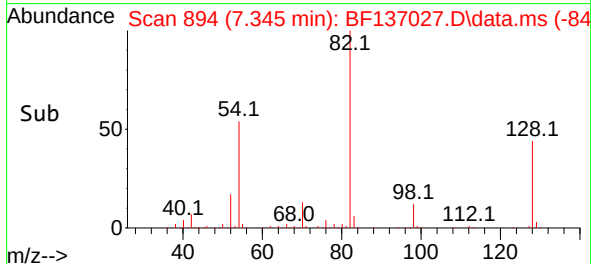
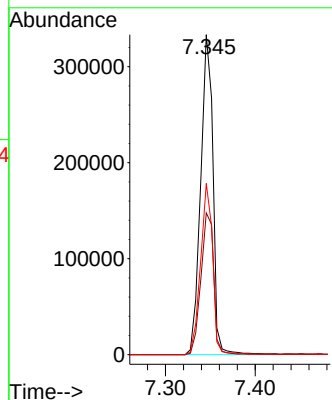
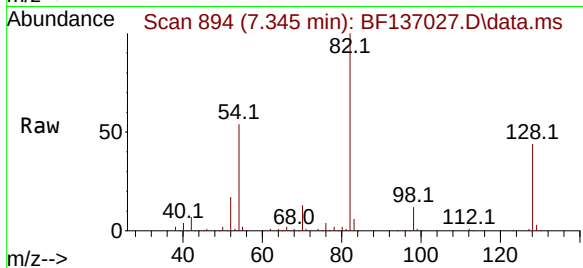
BNA_F

ClientSampleId :

MR-311P-30-32

Tgt Ion: 82 Resp: 317874

Ion	Ratio	Lower	Upper
82	100		
128	44.3	35.3	52.9
54	53.5	44.5	66.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1314

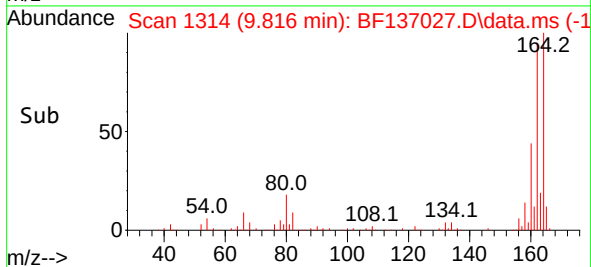
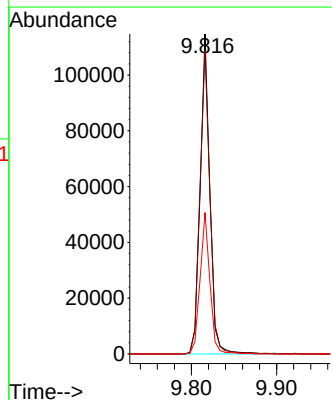
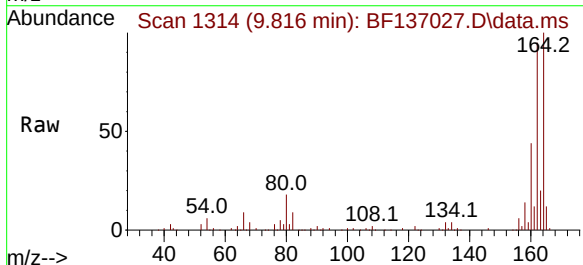
Delta R.T. -0.012 min

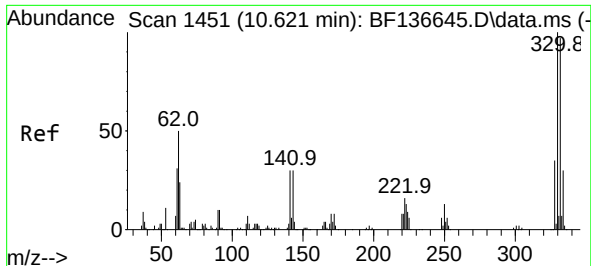
Lab File: BF137027.D

Acq: 10 Jan 2024 18:59

Tgt Ion:164 Resp: 90527

Ion	Ratio	Lower	Upper
164	100		
162	94.7	81.6	122.4
160	44.2	34.9	52.3





#42

2,4,6-Tribromophenol

Concen: 114.086 ng

RT: 10.616 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF137027.D

Acq: 10 Jan 2024 18:59

Instrument :

BNA_F

ClientSampleId :

MR-311P-30-32

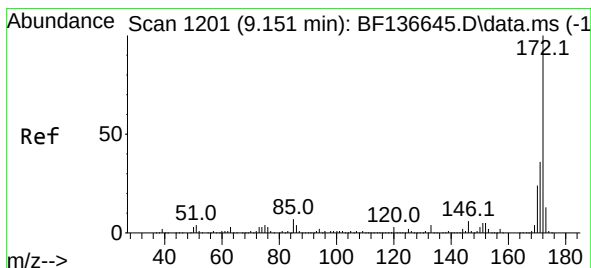
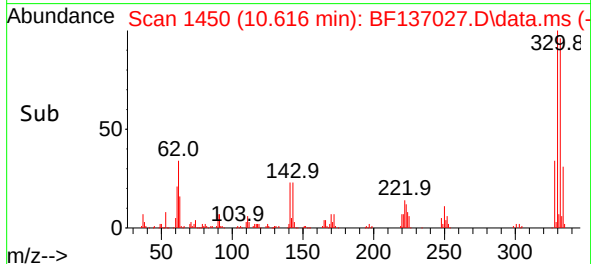
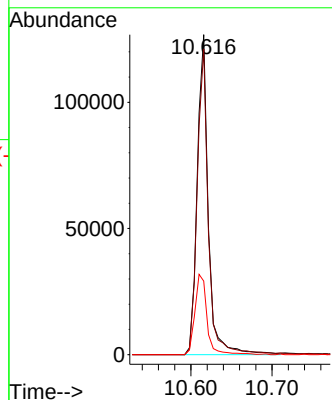
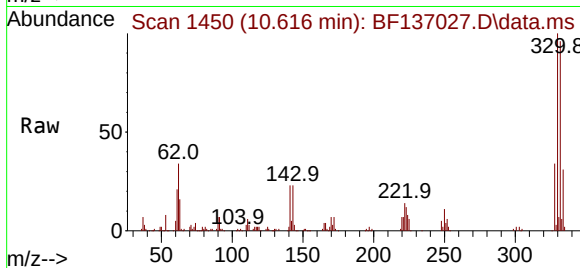
Tgt Ion:330 Resp: 121634

Ion Ratio Lower Upper

330 100

332 95.6 77.4 116.0

141 27.4 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 91.649 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF137027.D

Acq: 10 Jan 2024 18:59

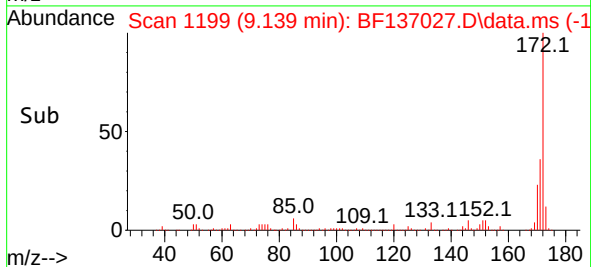
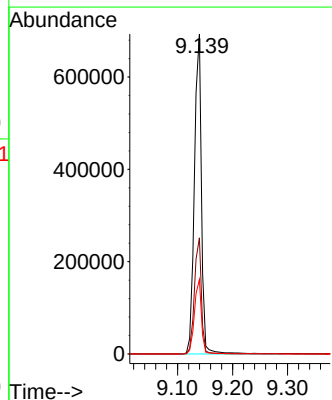
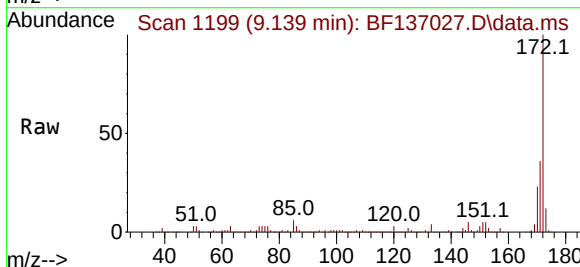
Tgt Ion:172 Resp: 616860

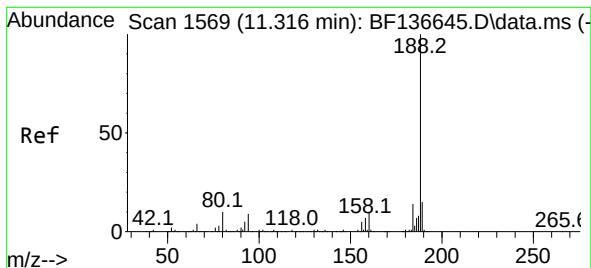
Ion Ratio Lower Upper

172 100

171 36.3 29.0 43.6

170 23.3 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1569

Delta R.T. -0.006 min

Lab File: BF137027.D

Acq: 10 Jan 2024 18:59

Instrument :

BNA_F

ClientSampleId :

MR-311P-30-32

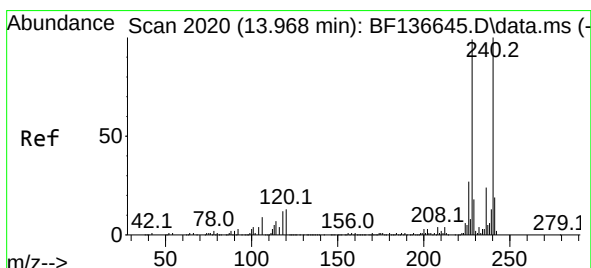
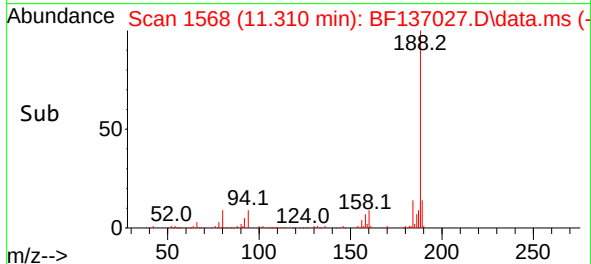
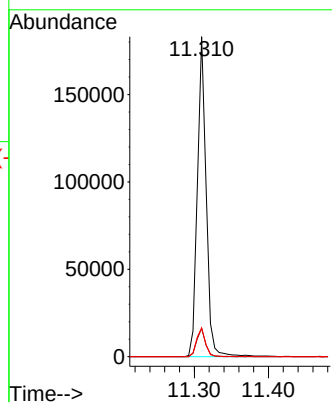
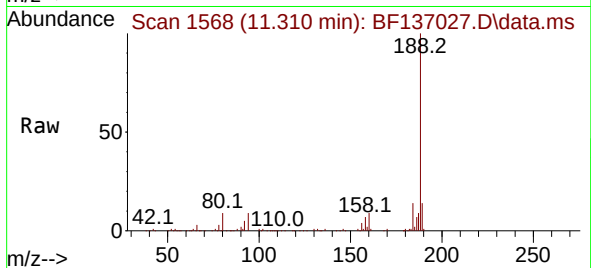
Tgt Ion:188 Resp: 151125

Ion Ratio Lower Upper

188 100

94 8.8 7.5 11.3

80 9.0 8.1 12.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 2020

Delta R.T. 0.000 min

Lab File: BF137027.D

Acq: 10 Jan 2024 18:59

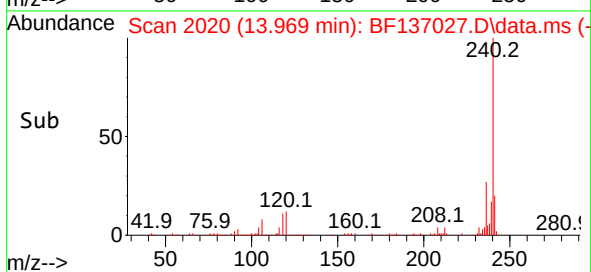
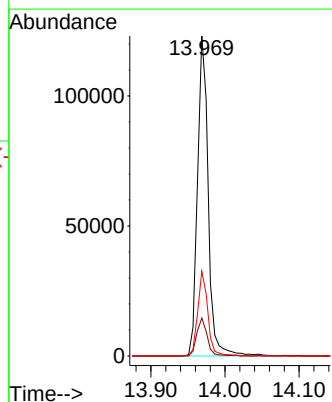
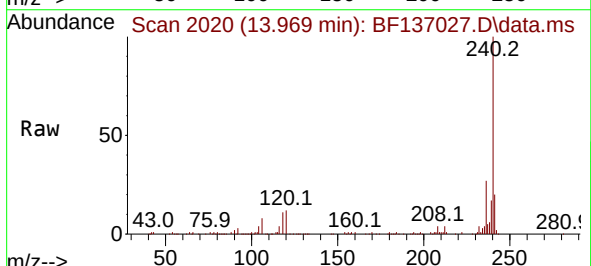
Tgt Ion:240 Resp: 123597

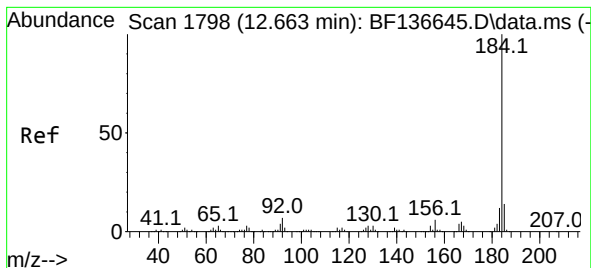
Ion Ratio Lower Upper

240 100

120 11.8 10.3 15.5

236 26.5 19.4 29.2





#77

Benzidine

Concen: 7.228 ng

RT: 12.669 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF137027.D

Acq: 10 Jan 2024 18:59

Instrument :

BNA_F

ClientSampleId :

MR-311P-30-32

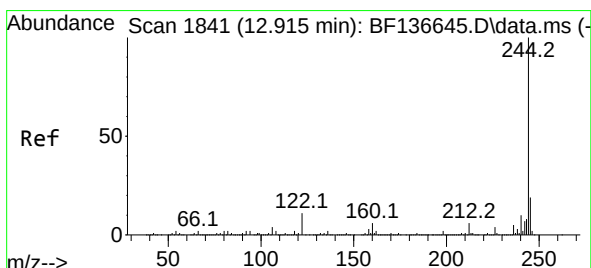
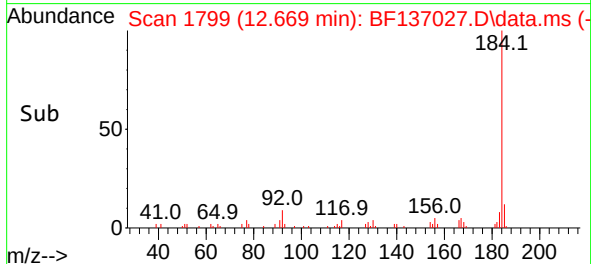
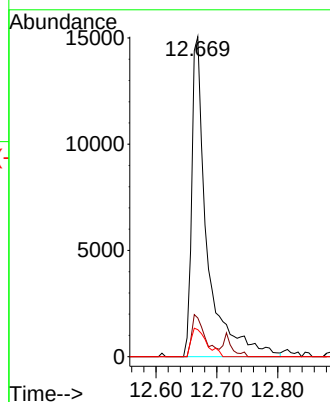
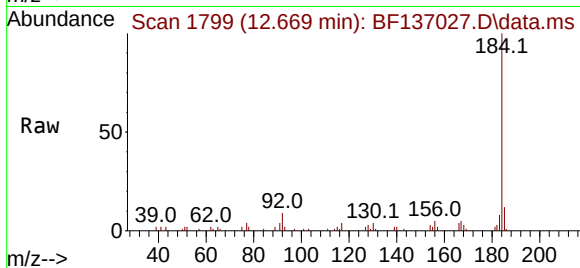
Tgt Ion:184 Resp: 26342

Ion Ratio Lower Upper

184 100

185 12.1 11.2 16.8

183 8.5 9.3 13.9#



#79

Terphenyl-d14

Concen: 65.405 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.006 min

Lab File: BF137027.D

Acq: 10 Jan 2024 18:59

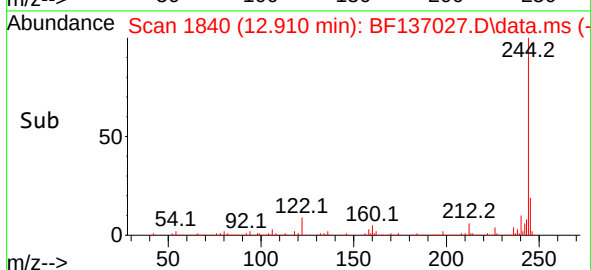
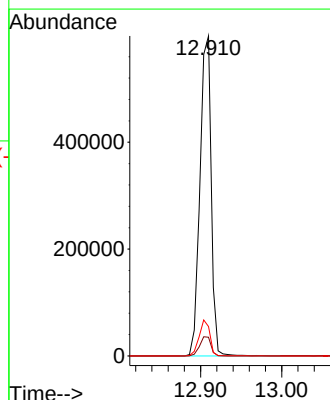
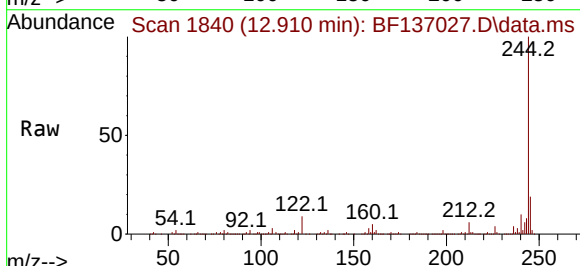
Tgt Ion:244 Resp: 578466

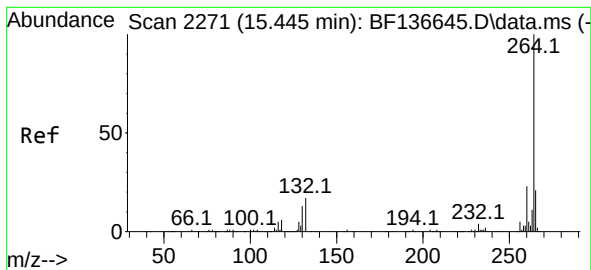
Ion Ratio Lower Upper

244 100

212 5.9 5.0 7.4

122 9.2 9.0 13.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.457 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF137027.D
 Acq: 10 Jan 2024 18:59

Instrument :
 BNA_F
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 MR-311P-30-32

Tgt Ion:264 Resp: 145910
 Ion Ratio Lower Upper
 264 100
 260 20.9 18.3 27.5
 265 20.7 17.0 25.6

