

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062623\
 Data File : BF133979.D
 Acq On : 27 Jun 2023 07:58
 Operator : CG\JU
 Sample : 03336-08
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4

Quant Time: Jun 27 08:26:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 26 23:12:04 2023
 Response via : Initial Calibration

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

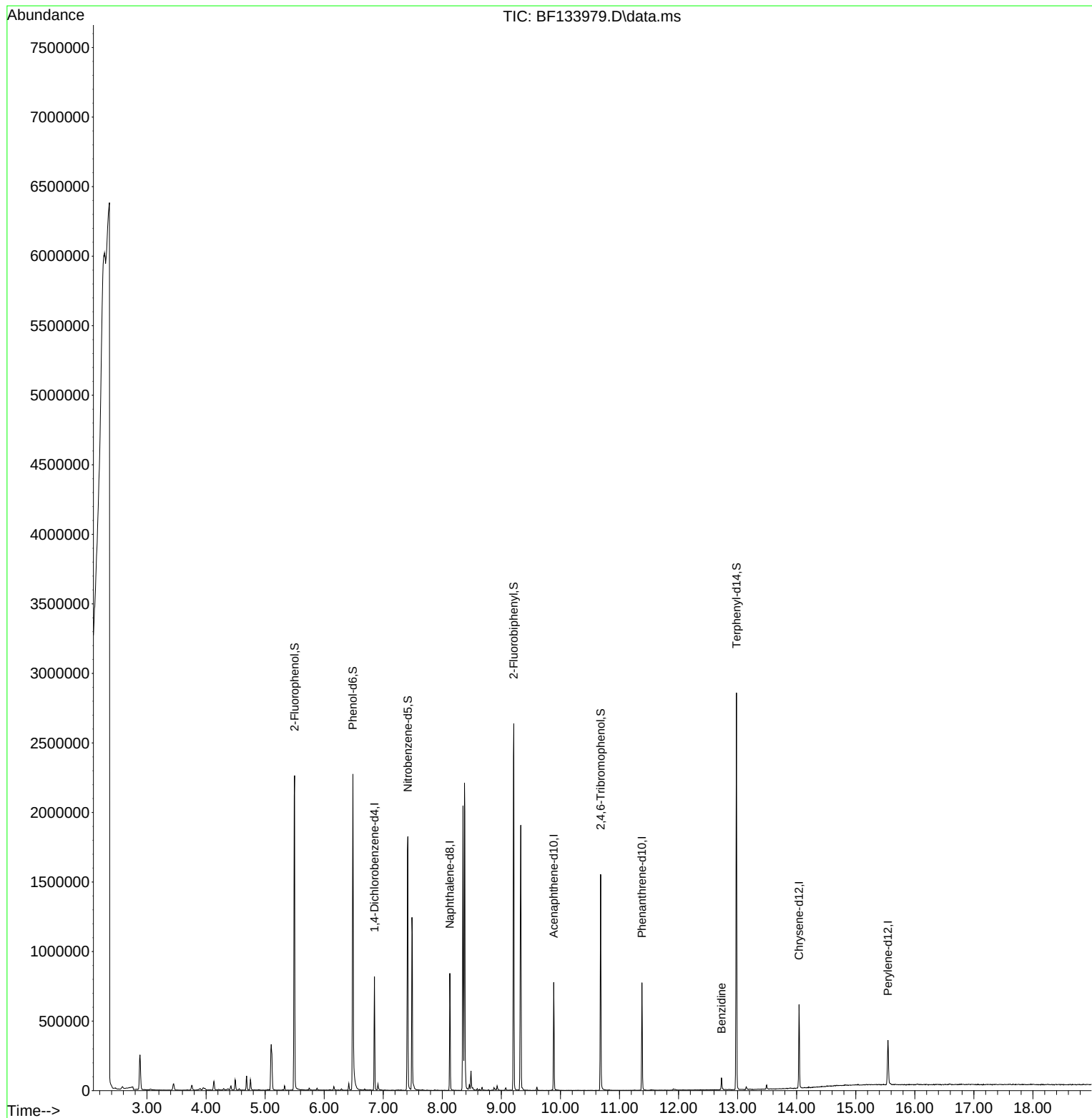
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	107833	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	332749	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	140486	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	266161	20.000	ng	0.00
76) Chrysene-d12	14.039	240	190890	20.000	ng	0.00
86) Perylene-d12	15.545	264	150858	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	606381	94.065	ng	0.02
7) Phenol-d6	6.487	99	756924	95.477	ng	0.00
23) Nitrobenzene-d5	7.416	82	569124	92.198	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	168221	95.503	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	774635	80.167	ng	0.00
79) Terphenyl-d14	12.980	244	931357	78.524	ng	0.00
Target Compounds						
77) Benzidine	12.727	184	32379	7.129	ng	Qvalue 96

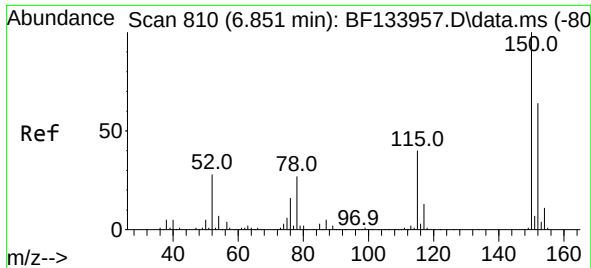
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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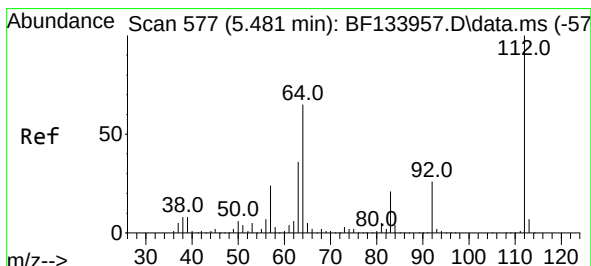
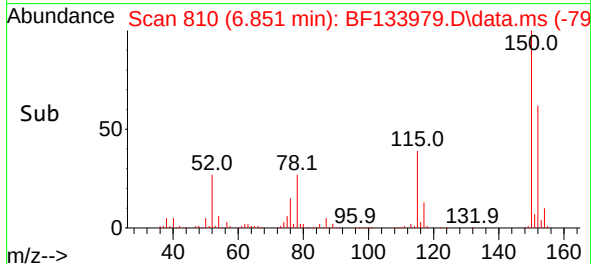
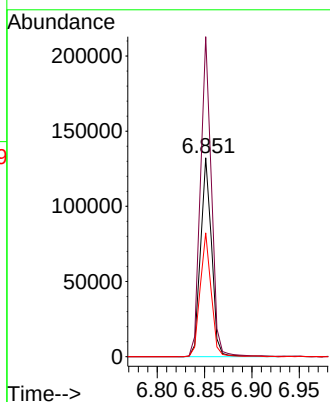
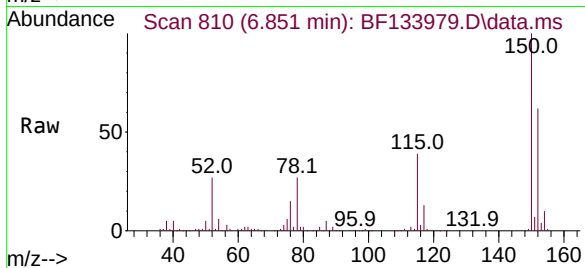




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF133979.D
Acq: 27 Jun 2023 07:58

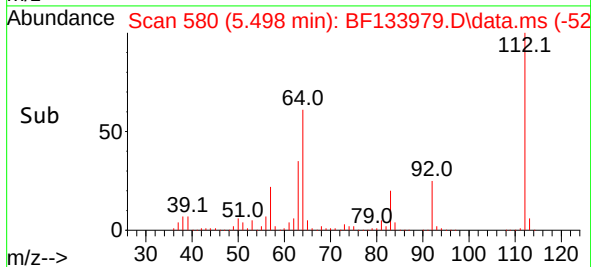
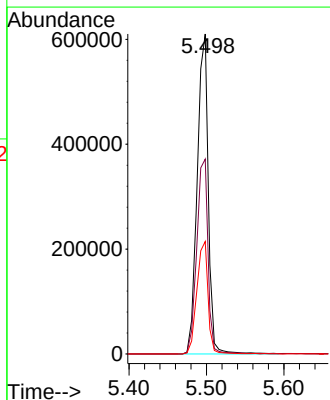
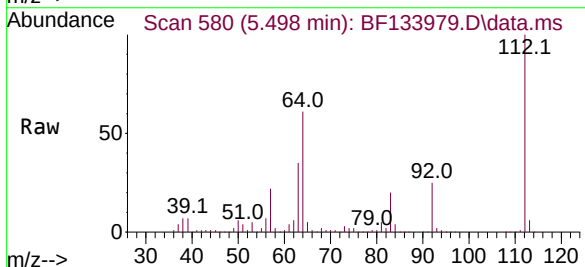
Instrument :
BNA_F
ClientSampleId :
WC-4

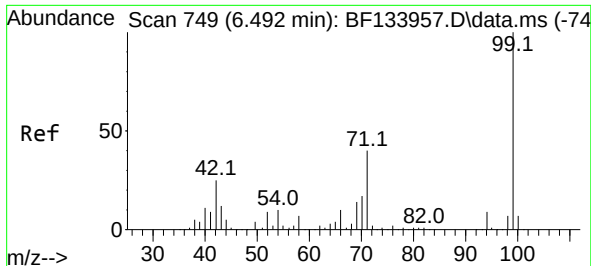
Tgt Ion:152 Resp: 107833
Ion Ratio Lower Upper
152 100
150 160.9 124.5 186.7
115 62.3 50.2 75.2



#5
2-Fluorophenol
Concen: 94.065 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF133979.D
Acq: 27 Jun 2023 07:58

Tgt Ion:112 Resp: 606381
Ion Ratio Lower Upper
112 100
64 60.9 52.1 78.1
63 35.2 28.6 42.8

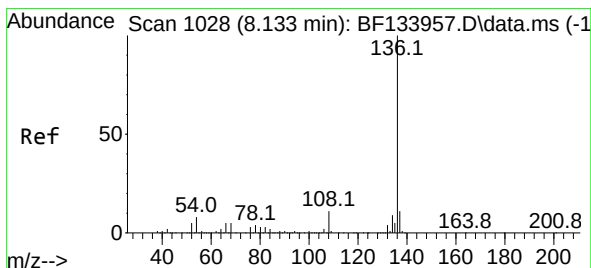
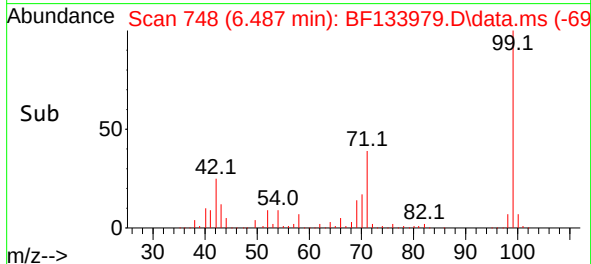
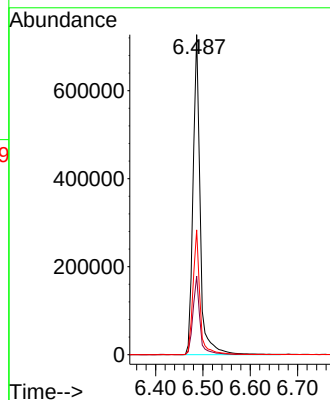
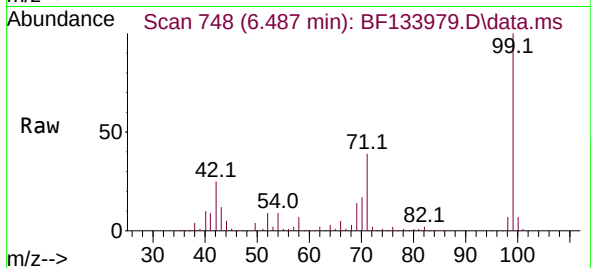




#7
Phenol-d6
Concen: 95.477 ng
RT: 6.487 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF133979.D
Acq: 27 Jun 2023 07:58

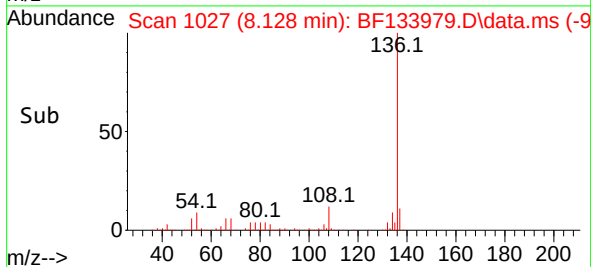
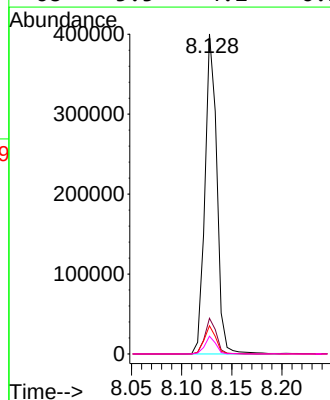
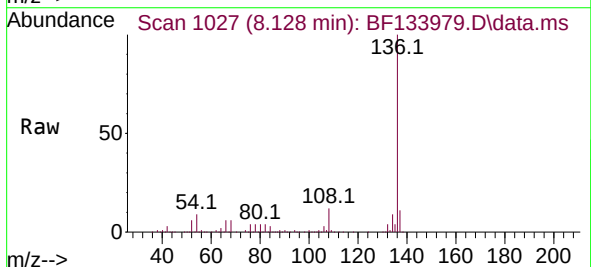
Instrument :
BNA_F
ClientSampleId :
WC-4

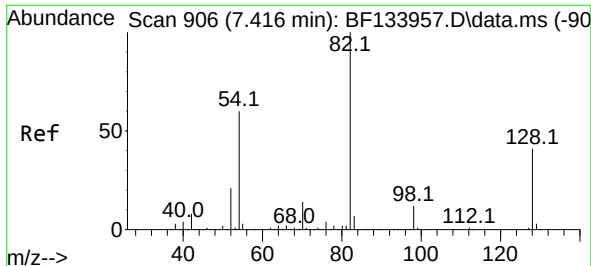
Tgt Ion: 99 Resp: 756924
Ion Ratio Lower Upper
99 100
42 24.6 19.8 29.6
71 39.0 31.9 47.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF133979.D
Acq: 27 Jun 2023 07:58

Tgt Ion: 136 Resp: 332749
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 8.8 6.5 9.7
68 5.5 4.2 6.2





#23

Nitrobenzene-d5

Concen: 92.198 ng

RT: 7.416 min Scan# 906

Delta R.T. 0.000 min

Lab File: BF133979.D

Acq: 27 Jun 2023 07:58

Instrument :

BNA_F

ClientSampleId :

WC-4

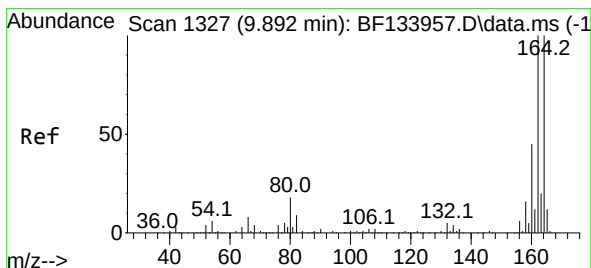
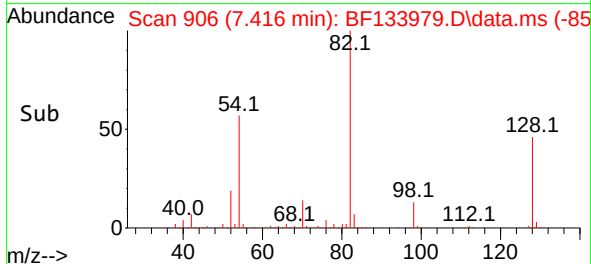
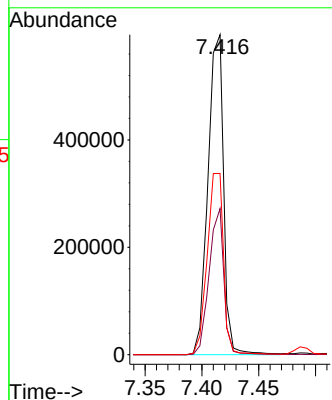
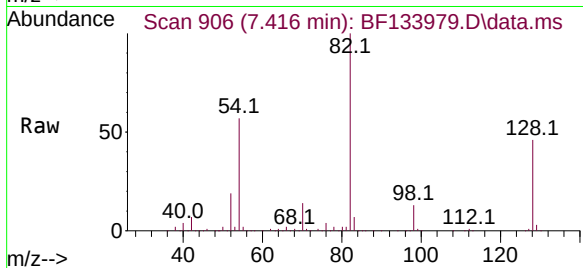
Tgt Ion: 82 Resp: 569124

Ion Ratio Lower Upper

82 100

128 45.7 32.5 48.7

54 56.7 48.2 72.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1326

Delta R.T. -0.006 min

Lab File: BF133979.D

Acq: 27 Jun 2023 07:58

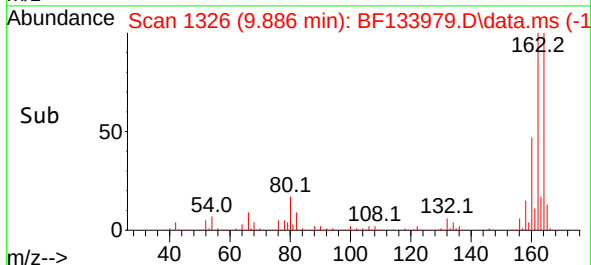
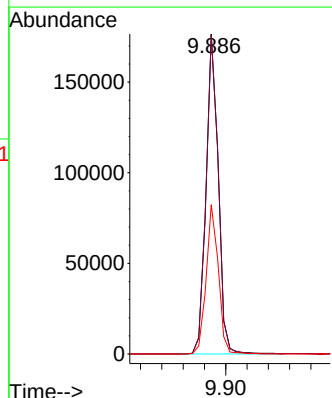
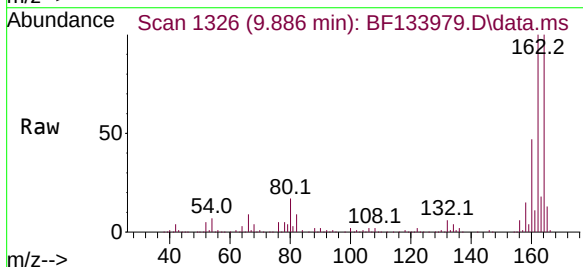
Tgt Ion:164 Resp: 140486

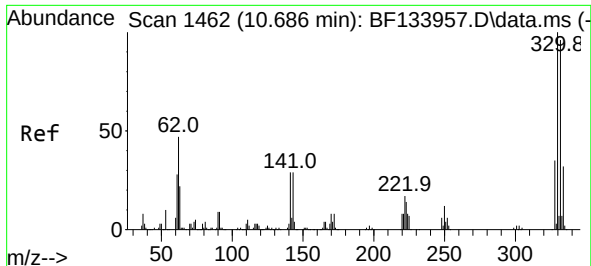
Ion Ratio Lower Upper

164 100

162 99.6 80.0 120.0

160 46.6 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 95.503 ng

RT: 10.680 min Scan# 1461

Delta R.T. -0.006 min

Lab File: BF133979.D

Acq: 27 Jun 2023 07:58

Instrument :

BNA_F

ClientSampleId :

WC-4

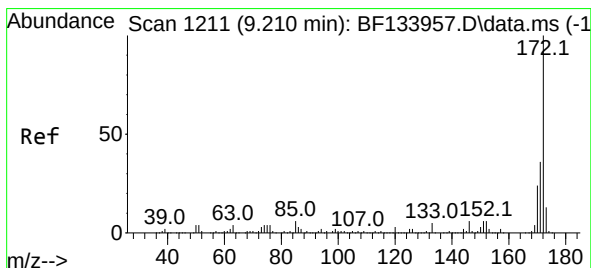
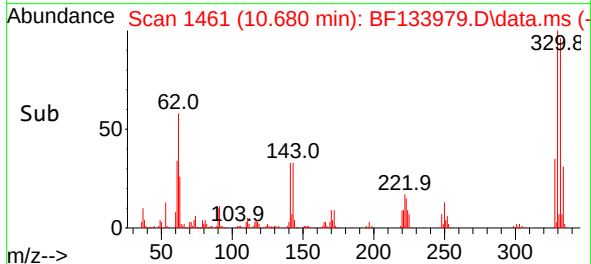
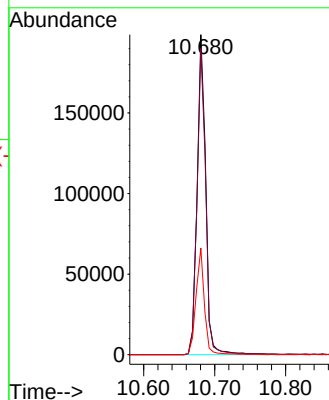
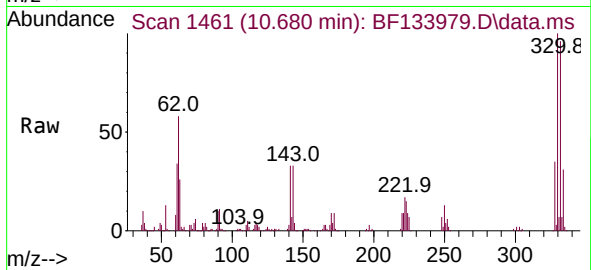
Tgt Ion:330 Resp: 168221

Ion Ratio Lower Upper

330 100

332 95.7 77.0 115.6

141 32.6 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 80.167 ng

RT: 9.210 min Scan# 1211

Delta R.T. 0.000 min

Lab File: BF133979.D

Acq: 27 Jun 2023 07:58

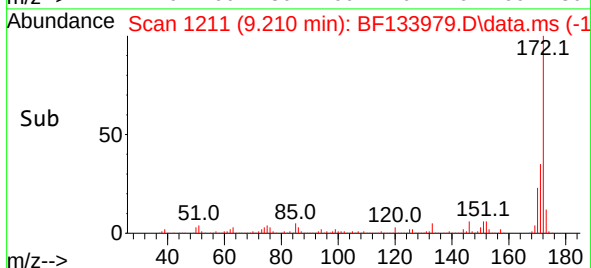
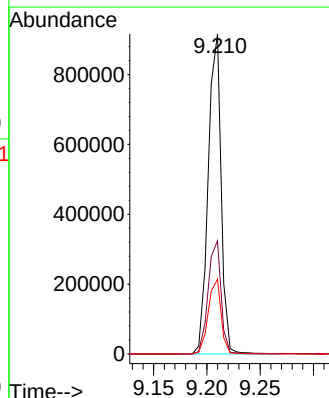
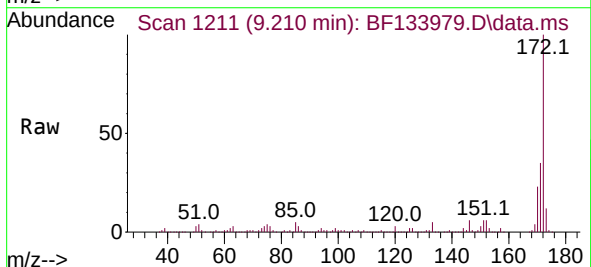
Tgt Ion:172 Resp: 774635

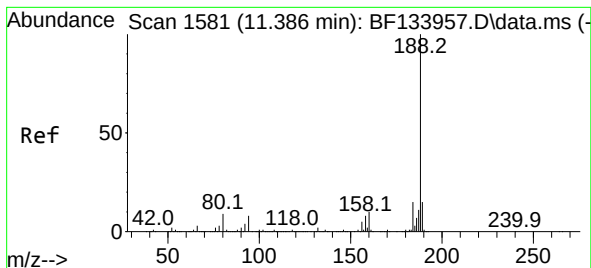
Ion Ratio Lower Upper

172 100

171 35.3 28.6 43.0

170 23.4 19.4 29.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133979.D

Acq: 27 Jun 2023 07:58

Instrument :

BNA_F

ClientSampleId :

WC-4

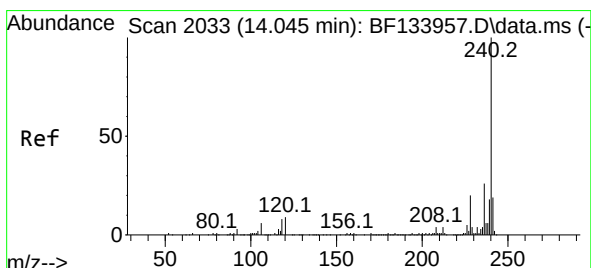
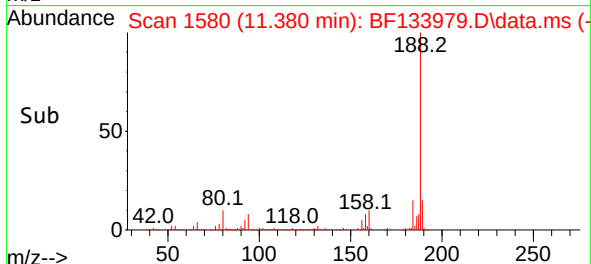
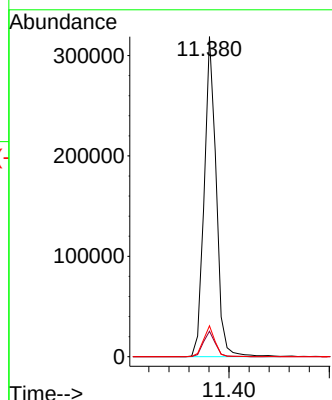
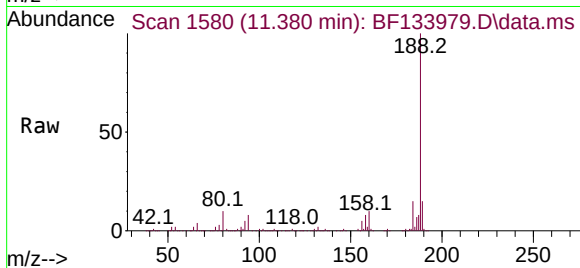
Tgt Ion:188 Resp: 266161

Ion Ratio Lower Upper

188 100

94 8.0 6.4 9.6

80 9.6 7.3 10.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF133979.D

Acq: 27 Jun 2023 07:58

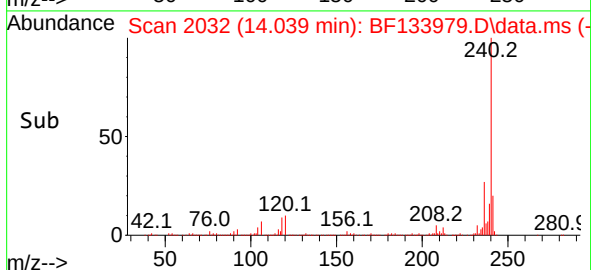
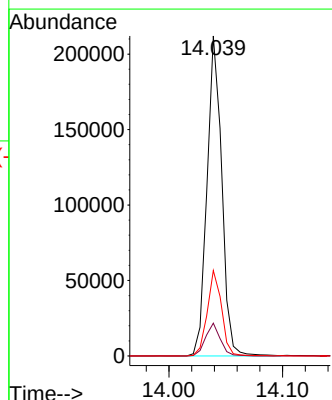
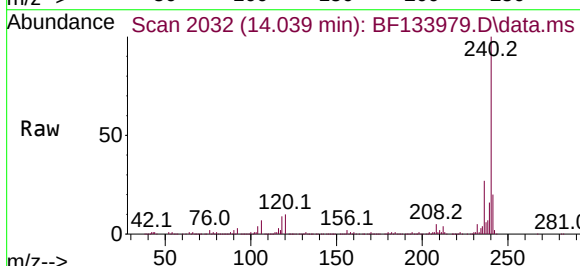
Tgt Ion:240 Resp: 190890

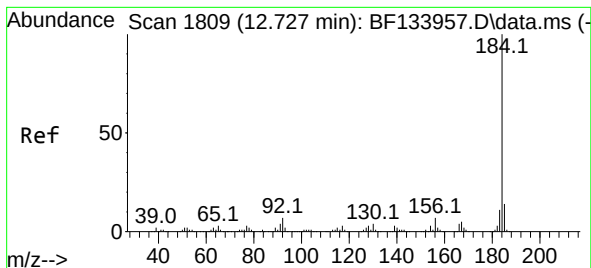
Ion Ratio Lower Upper

240 100

120 10.3 7.4 11.0

236 26.7 21.0 31.6





#77

Benzidine

Concen: 7.129 ng

RT: 12.727 min Scan# 1809

Delta R.T. 0.000 min

Lab File: BF133979.D

Acq: 27 Jun 2023 07:58

Instrument :

BNA_F

ClientSampleId :

WC-4

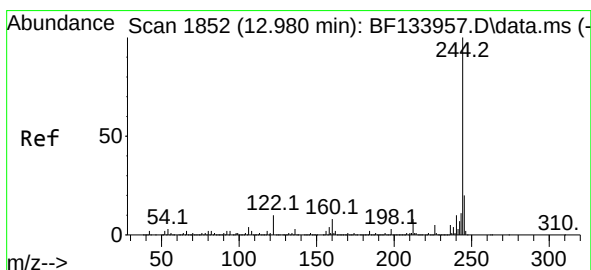
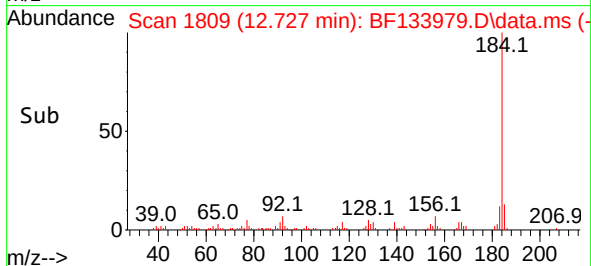
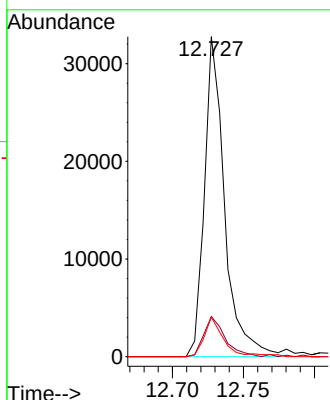
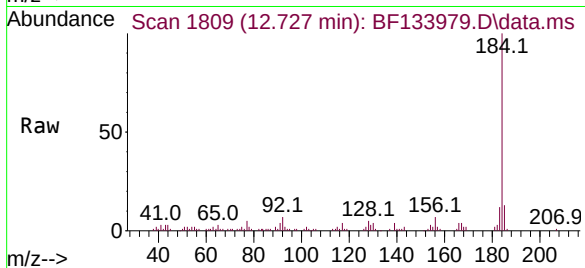
Tgt Ion:184 Resp: 32379

Ion Ratio Lower Upper

184 100

185 12.5 11.6 17.4

183 12.4 8.8 13.2



#79

Terphenyl-d14

Concen: 78.524 ng

RT: 12.980 min Scan# 1852

Delta R.T. 0.000 min

Lab File: BF133979.D

Acq: 27 Jun 2023 07:58

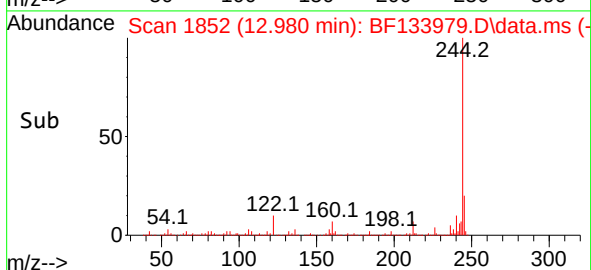
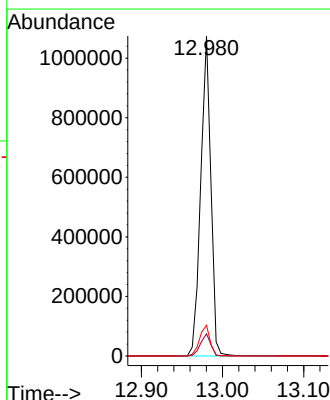
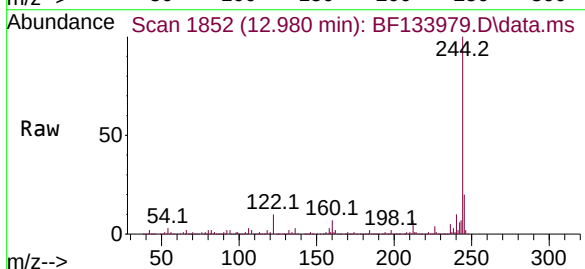
Tgt Ion:244 Resp: 931357

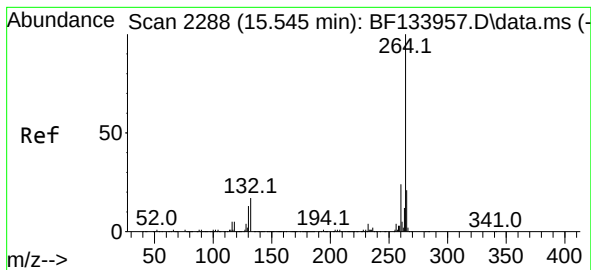
Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 9.6 8.3 12.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF133979.D
 Acq: 27 Jun 2023 07:58

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:264 Resp: 150858
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.5 29.3
 265 21.8 16.6 25.0

