

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062623\
 Data File : BF133977.D
 Acq On : 27 Jun 2023 06:53
 Operator : CG\JU
 Sample : 03336-14
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Quant Time: Jun 27 07:48:02 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)

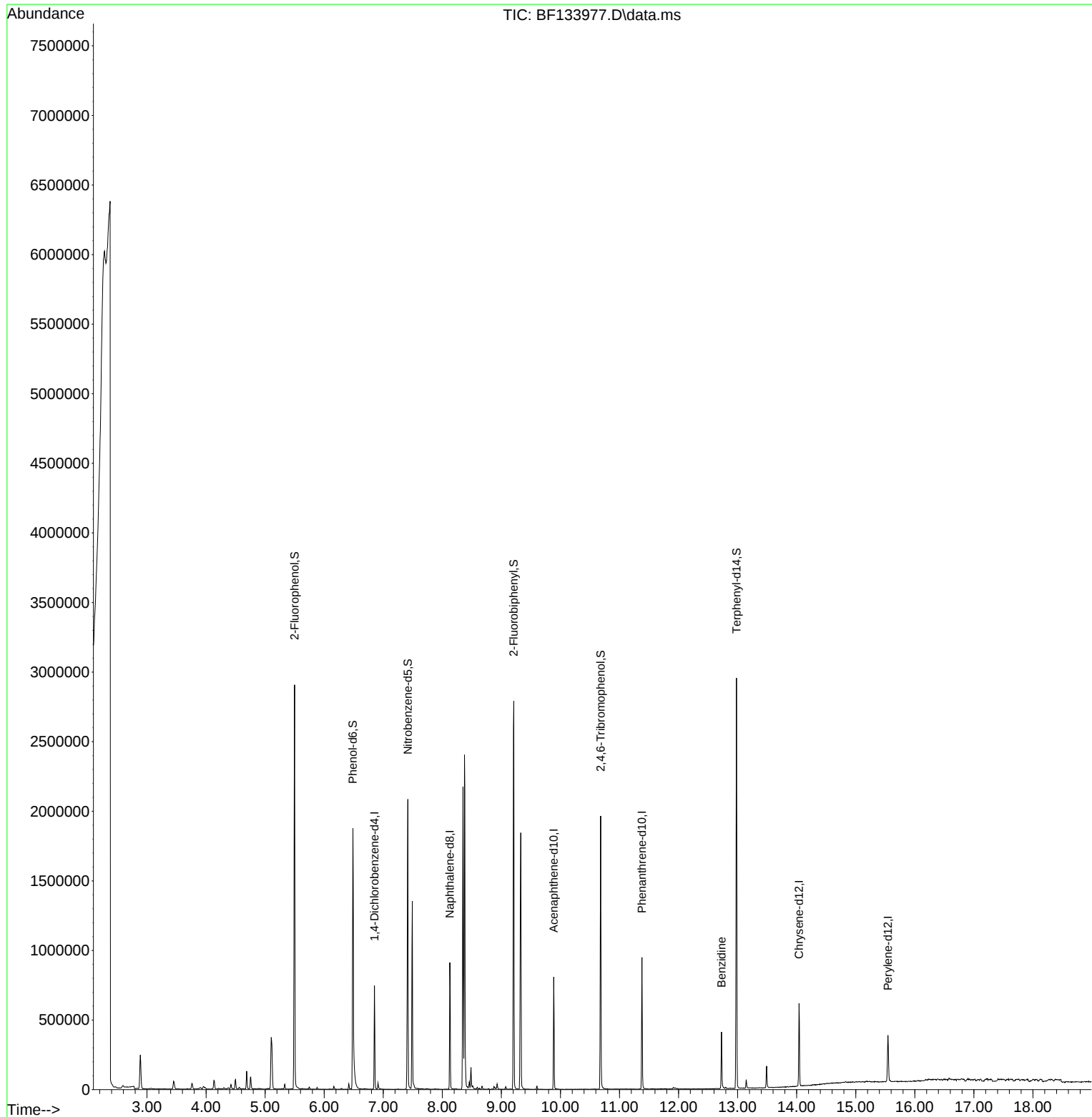
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	99291	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	377743	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	144079	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	318920	20.000	ng	0.00
76) Chrysene-d12	14.039	240	194403	20.000	ng	0.00
86) Perylene-d12	15.545	264	156828	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	736214	124.031	ng	0.02
7) Phenol-d6	6.487	99	667868	91.492	ng	0.00
23) Nitrobenzene-d5	7.416	82	598830	85.455	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	222621	123.236	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	845276	85.296	ng	0.00
79) Terphenyl-d14	12.980	244	1004672	83.175	ng	0.00
Target Compounds						
77) Benzidine	12.727	184	146559	31.684	ng	Qvalue 99

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

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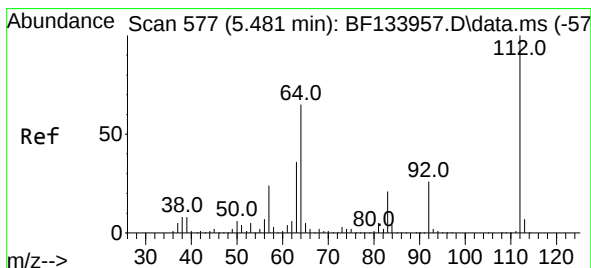
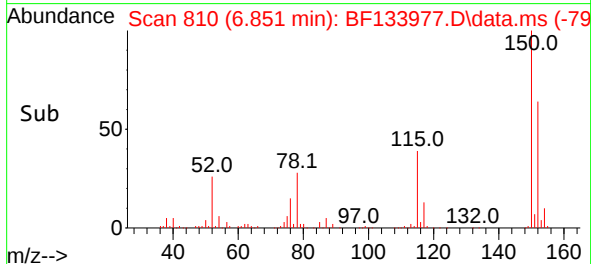
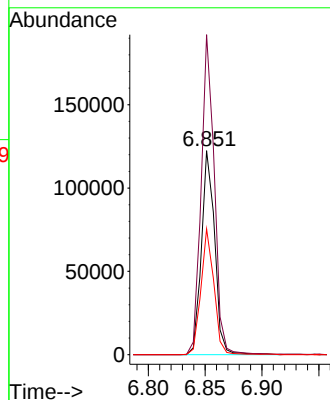
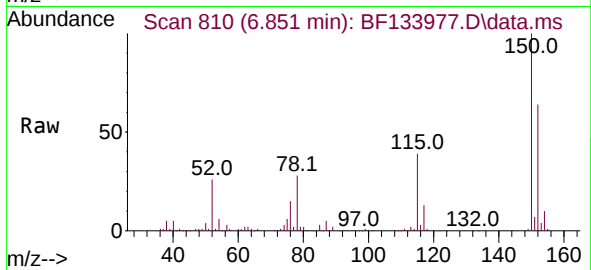




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF133977.D
Acq: 27 Jun 2023 06:53

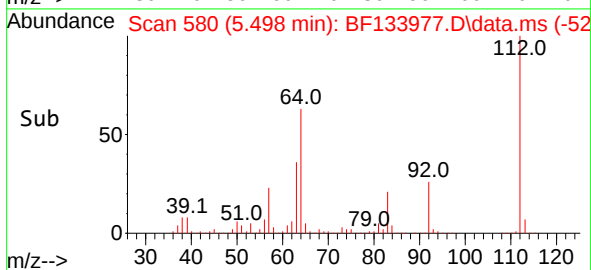
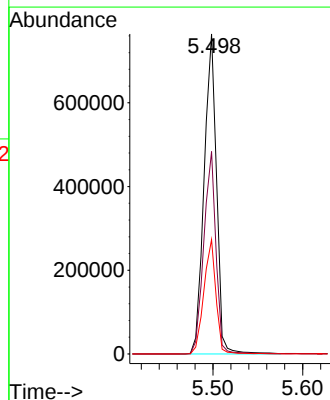
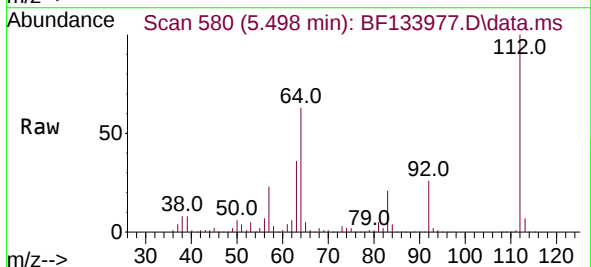
Instrument :
BNA_F
ClientSampleId :
WC-2

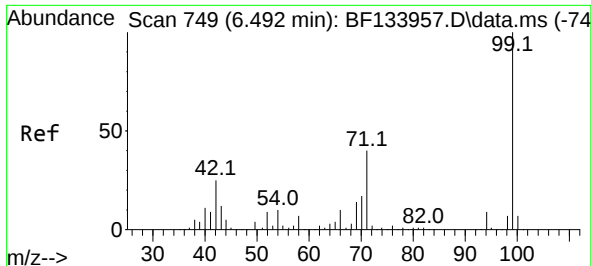
Tgt Ion:152 Resp: 99291
Ion Ratio Lower Upper
152 100
150 156.8 124.5 186.7
115 61.6 50.2 75.2



#5
2-Fluorophenol
Concen: 124.031 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF133977.D
Acq: 27 Jun 2023 06:53

Tgt Ion:112 Resp: 736214
Ion Ratio Lower Upper
112 100
64 63.2 52.1 78.1
63 35.8 28.6 42.8

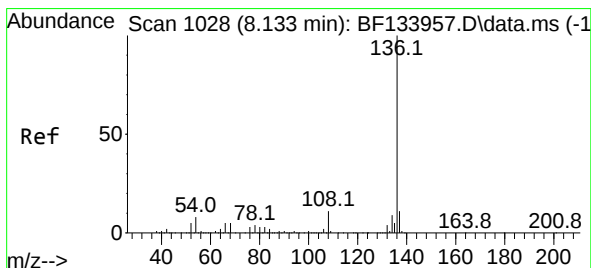
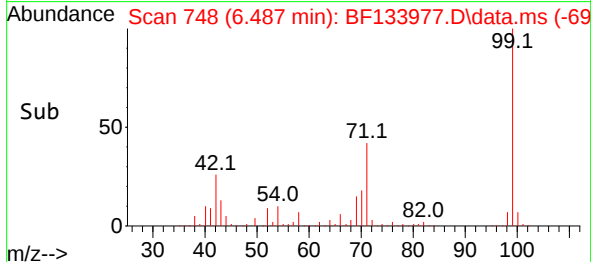
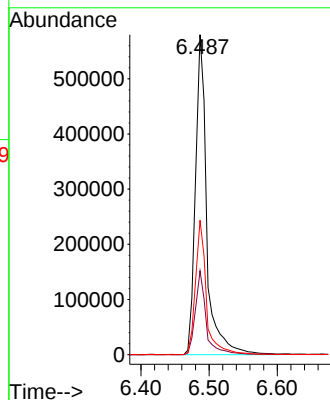
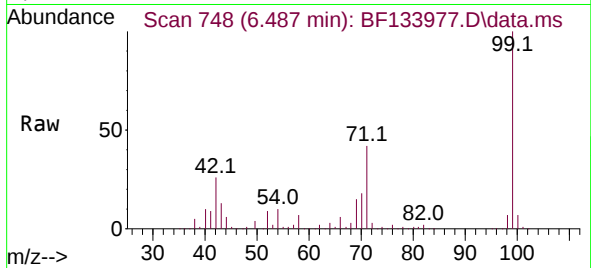




#7
Phenol-d6
Concen: 91.492 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF133977.D
Acq: 27 Jun 2023 06:53

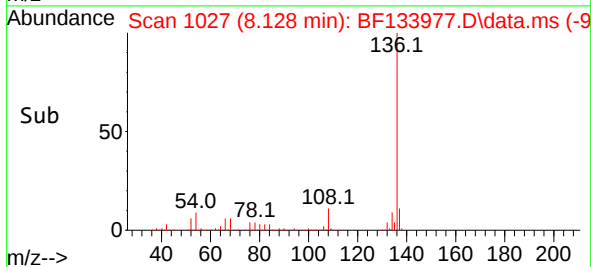
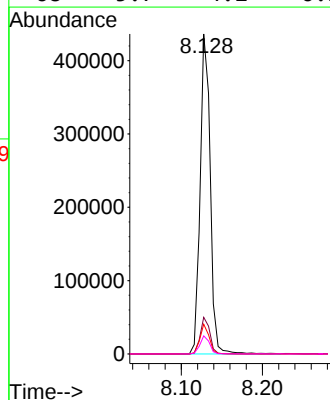
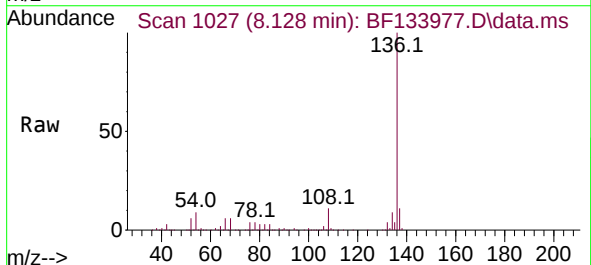
Instrument :
BNA_F
ClientSampleId :
WC-2

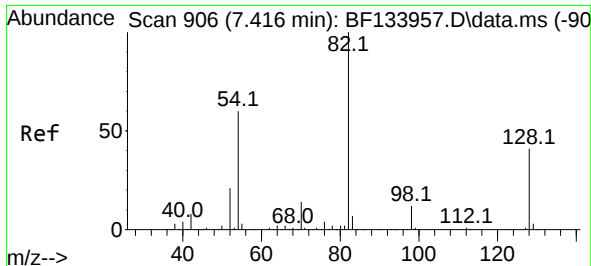
Tgt Ion: 99 Resp: 667868
Ion Ratio Lower Upper
99 100
42 26.2 19.8 29.6
71 42.0 31.9 47.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF133977.D
Acq: 27 Jun 2023 06:53

Tgt Ion: 136 Resp: 377743
Ion Ratio Lower Upper
136 100
137 11.5 8.6 12.8
54 9.3 6.5 9.7
68 5.7 4.2 6.2

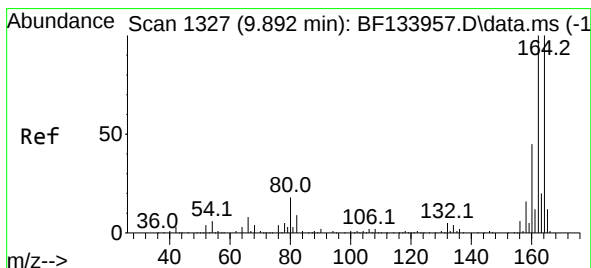
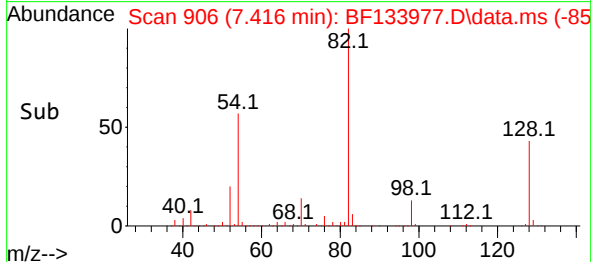
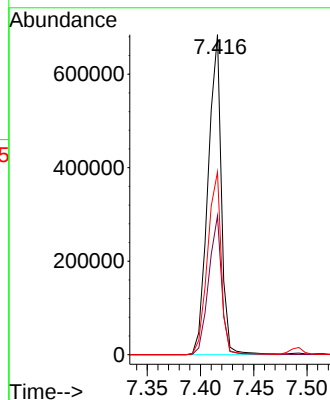
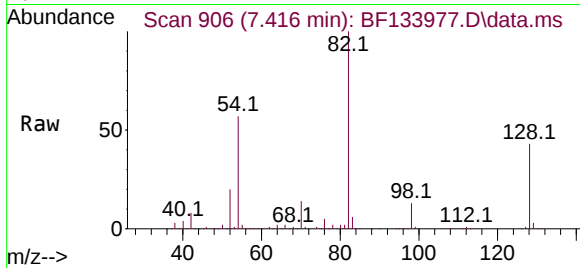




#23
Nitrobenzene-d5
Concen: 85.455 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.000 min
Lab File: BF133977.D
Acq: 27 Jun 2023 06:53

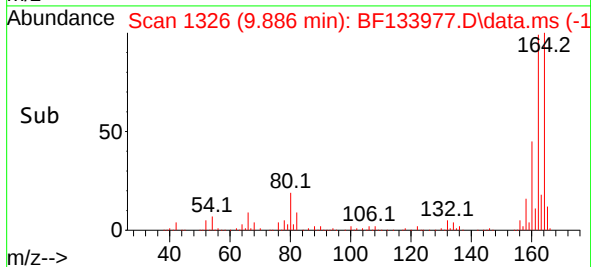
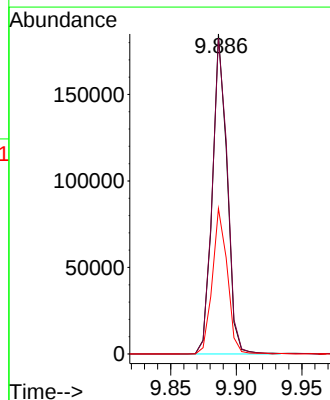
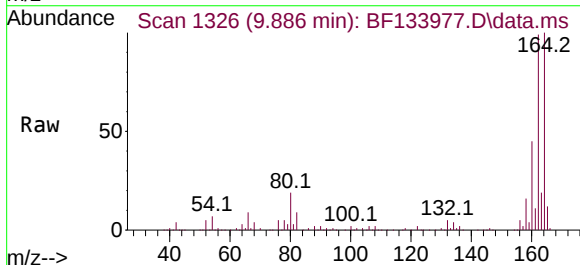
Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion: 82 Resp: 598830
Ion Ratio Lower Upper
82 100
128 43.4 32.5 48.7
54 57.1 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: BF133977.D
Acq: 27 Jun 2023 06:53

Tgt Ion:164 Resp: 144079
Ion Ratio Lower Upper
164 100
162 98.7 80.0 120.0
160 45.4 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 123.236 ng

RT: 10.680 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF133977.D

Acq: 27 Jun 2023 06:53

Instrument :

BNA_F

ClientSampleId :

WC-2

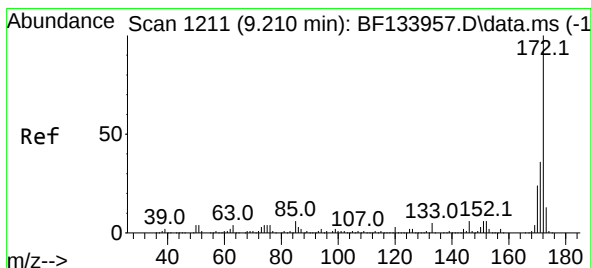
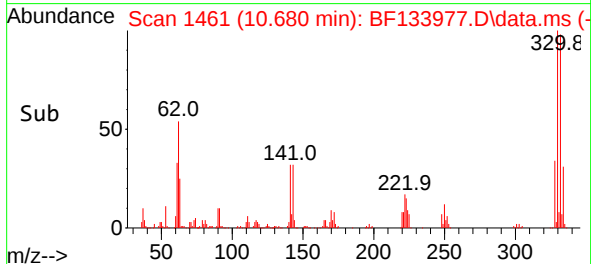
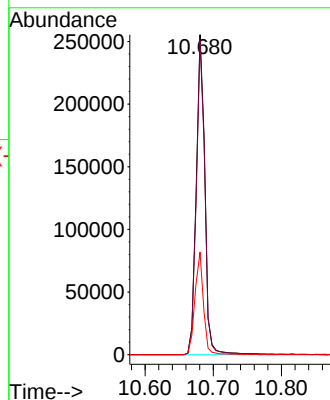
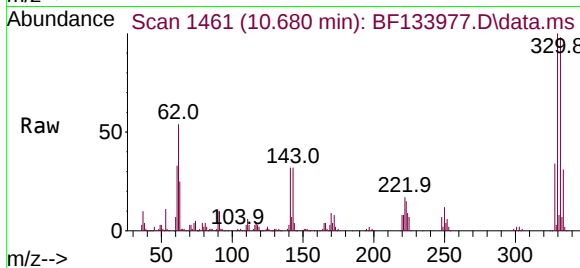
Tgt Ion:330 Resp: 222621

Ion Ratio Lower Upper

330 100

332 97.5 77.0 115.6

141 31.8 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 85.296 ng

RT: 9.210 min Scan# 1211

Delta R.T. 0.000 min

Lab File: BF133977.D

Acq: 27 Jun 2023 06:53

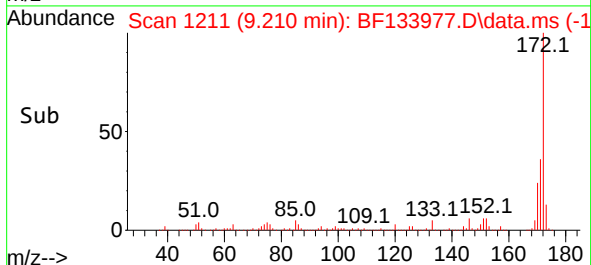
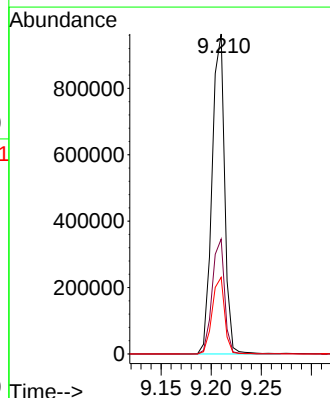
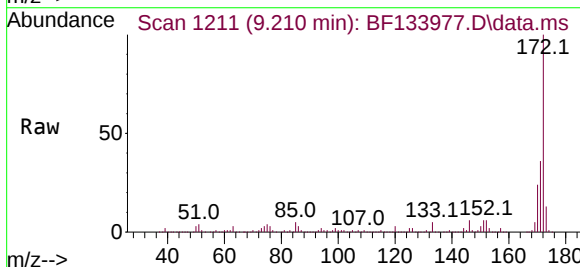
Tgt Ion:172 Resp: 845276

Ion Ratio Lower Upper

172 100

171 35.9 28.6 43.0

170 24.0 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: BF133977.D

Acq: 27 Jun 2023 06:53

Instrument :

BNA_F

ClientSampleId :

WC-2

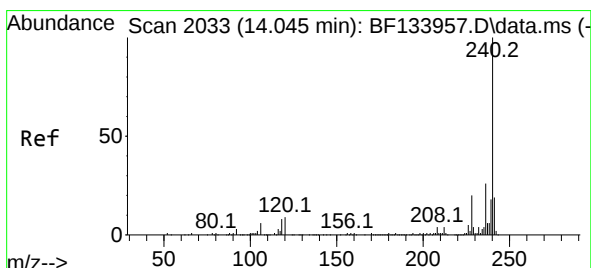
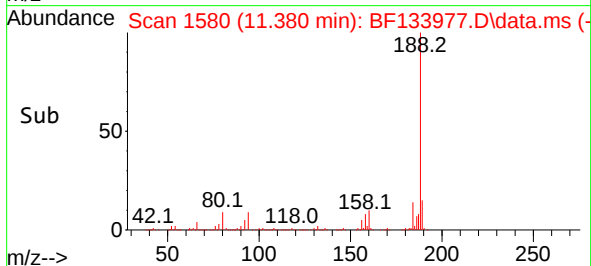
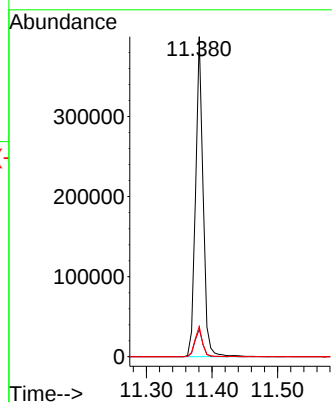
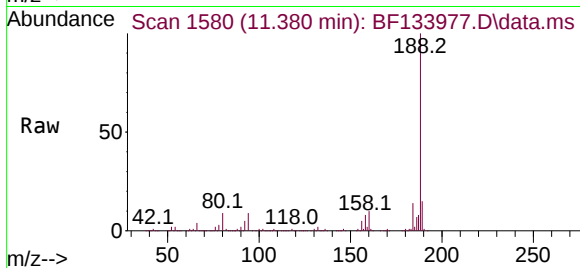
Tgt Ion:188 Resp: 318920

Ion Ratio Lower Upper

188 100

94 8.6 6.4 9.6

80 9.4 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: BF133977.D

Acq: 27 Jun 2023 06:53

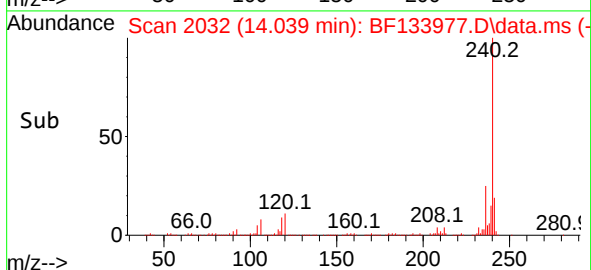
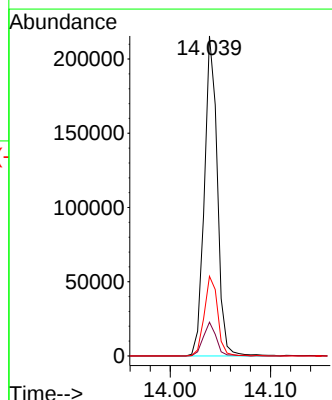
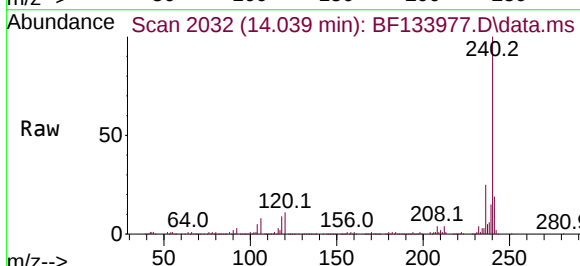
Tgt Ion:240 Resp: 194403

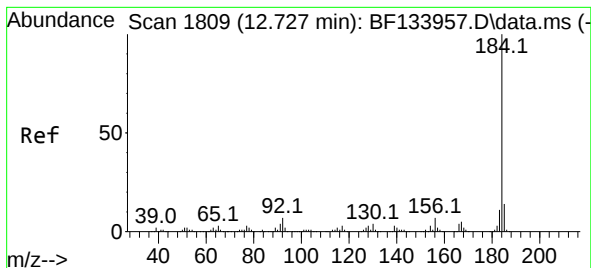
Ion Ratio Lower Upper

240 100

120 10.5 7.4 11.0

236 24.9 21.0 31.6





#77

Benzidine

Concen: 31.684 ng

RT: 12.727 min Scan# 1809

Delta R.T. 0.000 min

Lab File: BF133977.D

Acq: 27 Jun 2023 06:53

Instrument :

BNA_F

ClientSampleId :

WC-2

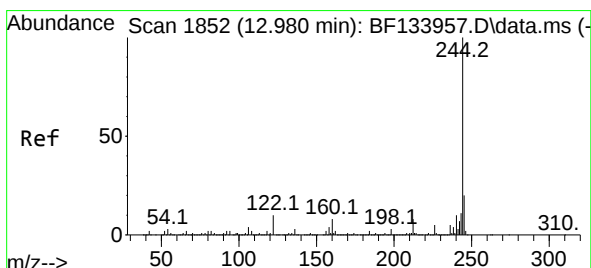
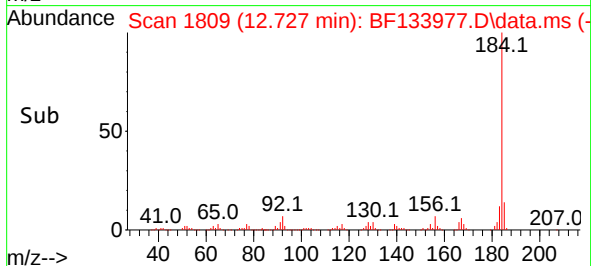
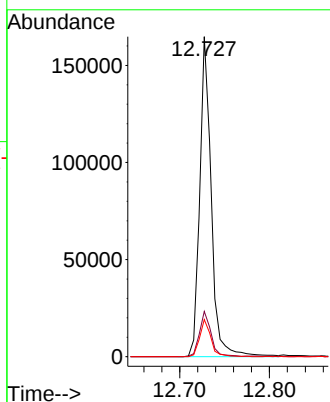
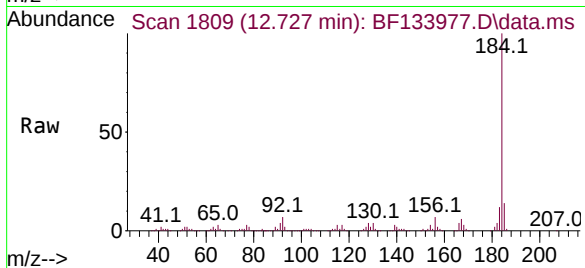
Tgt Ion:184 Resp: 146559

Ion Ratio Lower Upper

184 100

185 14.2 11.6 17.4

183 11.6 8.8 13.2



#79

Terphenyl-d14

Concen: 83.175 ng

RT: 12.980 min Scan# 1852

Delta R.T. 0.000 min

Lab File: BF133977.D

Acq: 27 Jun 2023 06:53

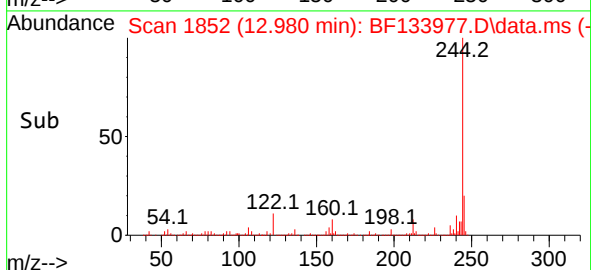
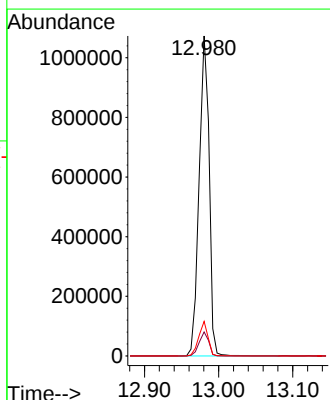
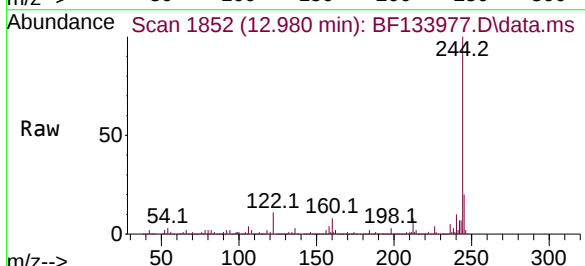
Tgt Ion:244 Resp: 1004672

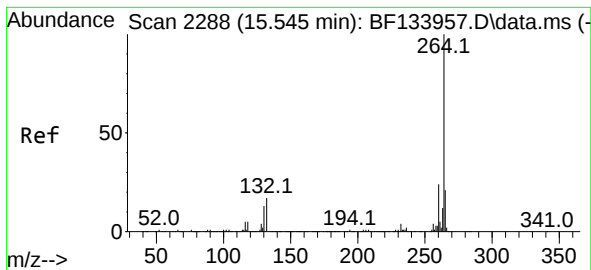
Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

122 10.8 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: BF133977.D

Acq: 27 Jun 2023 06:53

Instrument :

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ClientSampleId :

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Tgt Ion:264 Resp: 156828

Ion Ratio Lower Upper

264 100

260 22.4 19.5 29.3

265 21.7 16.6 25.0

