

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
 Data File : BF133990.D
 Acq On : 27 Jun 2023 14:31
 Operator : CG\JU
 Sample : 03337-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-9

Quant Time: Jun 27 15:24:41 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)

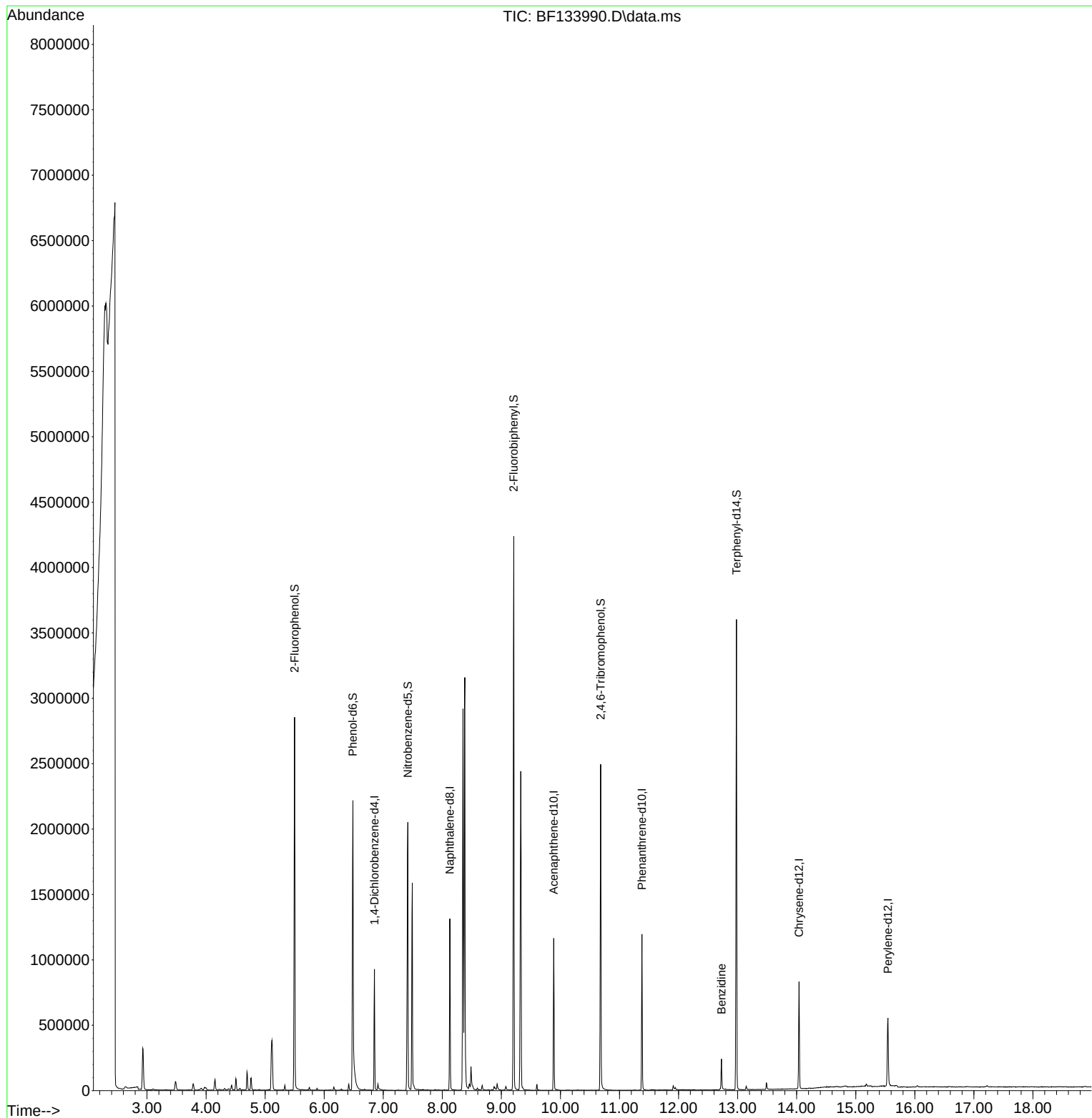
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	123125	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	519624	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	212744	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	389434	20.000	ng	0.00
76) Chrysene-d12	14.039	240	266563	20.000	ng	0.00
86) Perylene-d12	15.545	264	250540	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	730454	99.239	ng	0.02
7) Phenol-d6	6.486	99	820127	90.601	ng	0.00
23) Nitrobenzene-d5	7.416	82	660520	68.522	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	297769	111.633	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	1244581	85.055	ng	0.00
79) Terphenyl-d14	12.980	244	1201247	72.527	ng	0.00
Target Compounds						
77) Benzidine	12.727	184	87759	13.836	ng	Qvalue 98

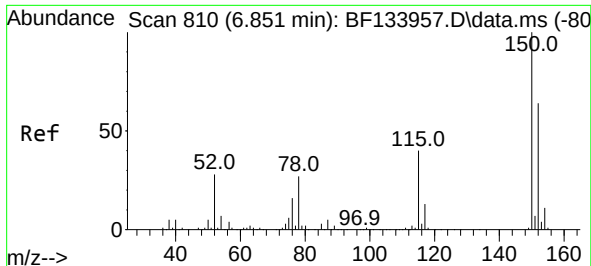
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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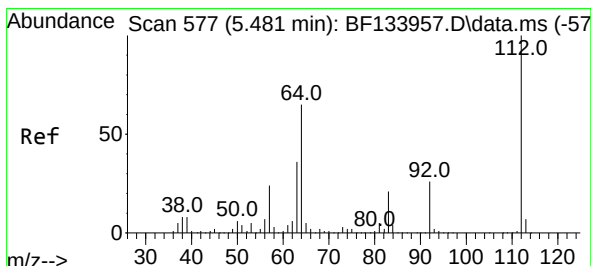
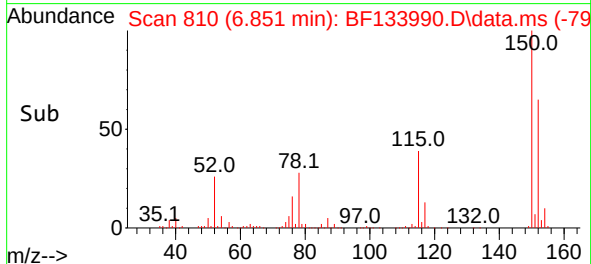
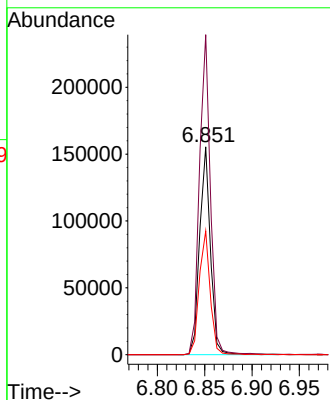
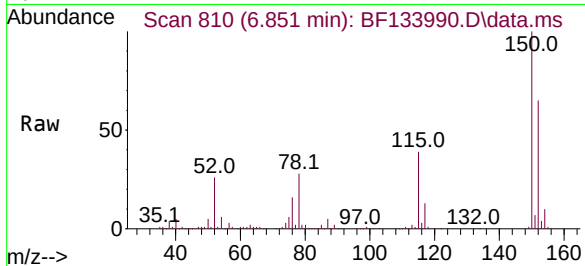




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF133990.D
Acq: 27 Jun 2023 14:31

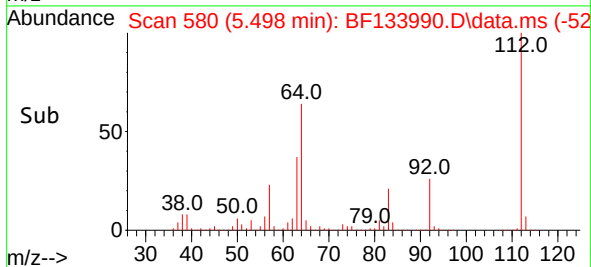
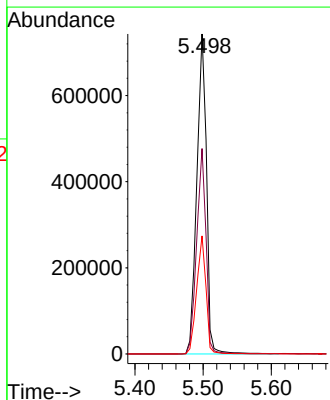
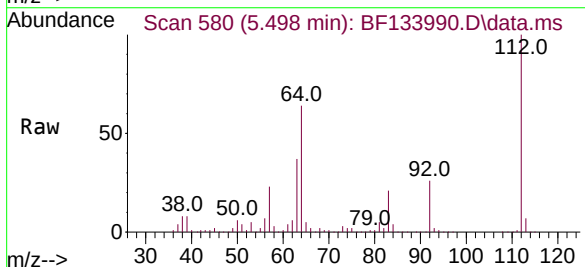
Instrument :
BNA_F
ClientSampleId :
WC-9

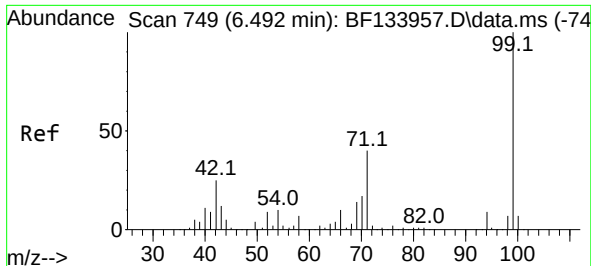
Tgt Ion:152 Resp: 123125
Ion Ratio Lower Upper
152 100
150 153.9 124.5 186.7
115 59.5 50.2 75.2



#5
2-Fluorophenol
Concen: 99.239 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF133990.D
Acq: 27 Jun 2023 14:31

Tgt Ion:112 Resp: 730454
Ion Ratio Lower Upper
112 100
64 64.2 52.1 78.1
63 36.9 28.6 42.8

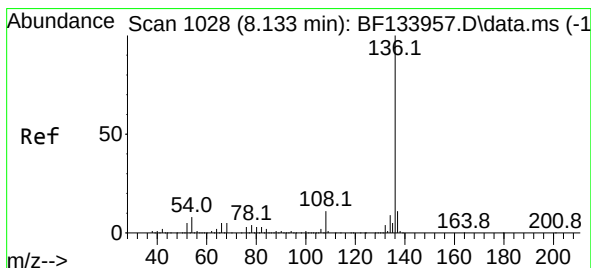
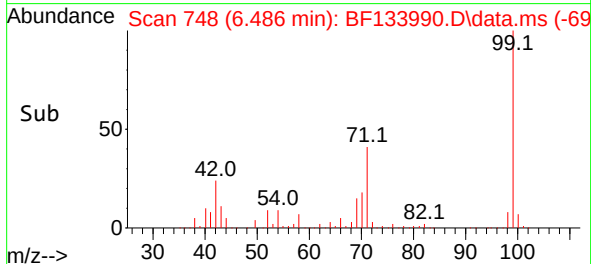
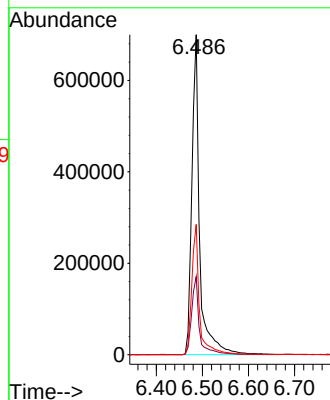
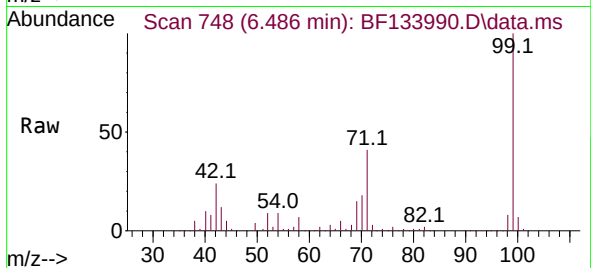




#7
Phenol-d6
Concen: 90.601 ng
RT: 6.486 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF133990.D
Acq: 27 Jun 2023 14:31

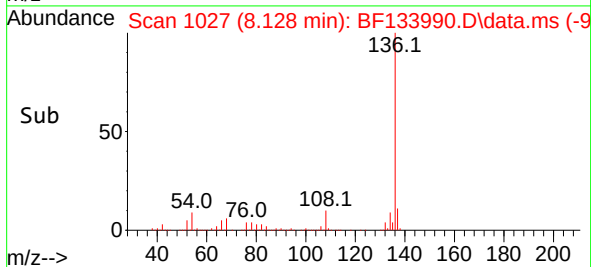
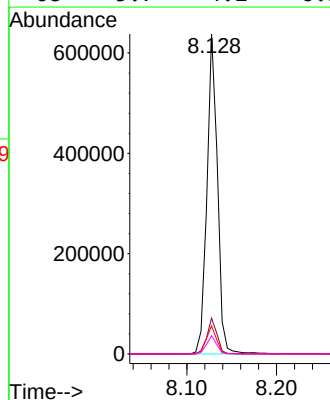
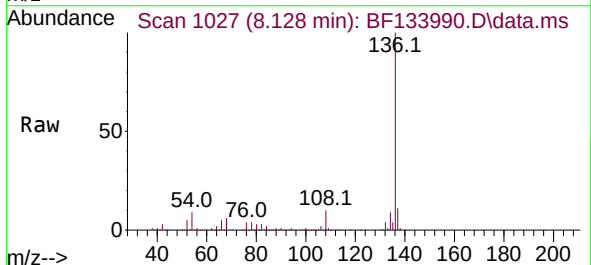
Instrument :
BNA_F
ClientSampleId :
WC-9

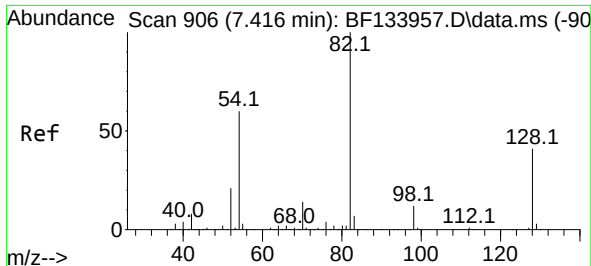
Tgt Ion: 99 Resp: 820127
Ion Ratio Lower Upper
99 100
42 24.4 19.8 29.6
71 40.7 31.9 47.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF133990.D
Acq: 27 Jun 2023 14:31

Tgt Ion: 136 Resp: 519624
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 8.8 6.5 9.7
68 5.7 4.2 6.2





#23

Nitrobenzene-d5

Concen: 68.522 ng

RT: 7.416 min Scan# 906

Delta R.T. 0.000 min

Lab File: BF133990.D

Acq: 27 Jun 2023 14:31

Instrument :

BNA_F

ClientSampleId :

WC-9

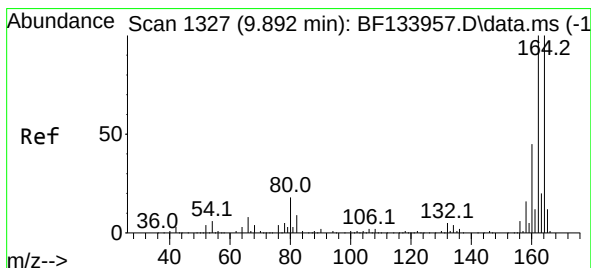
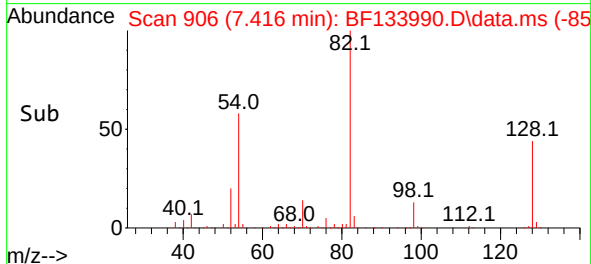
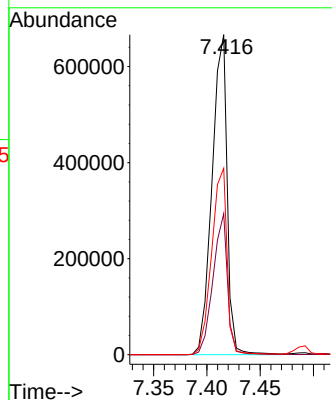
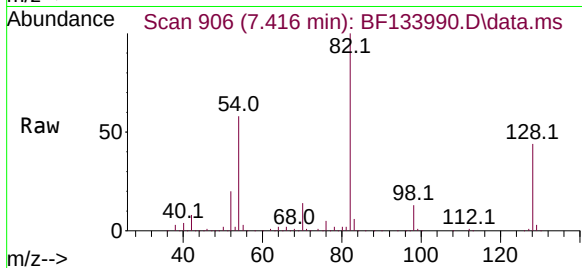
Tgt Ion: 82 Resp: 660520

Ion Ratio Lower Upper

82 100

128 44.1 32.5 48.7

54 58.3 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: BF133990.D

Acq: 27 Jun 2023 14:31

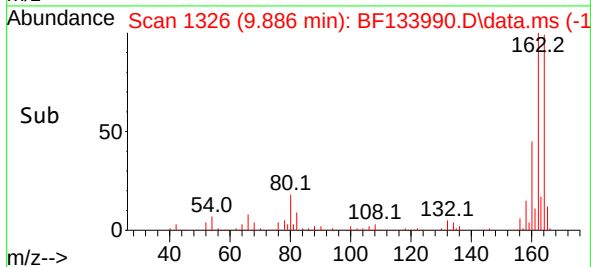
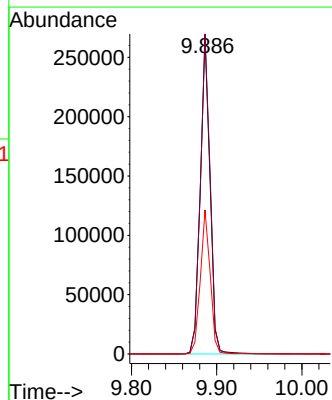
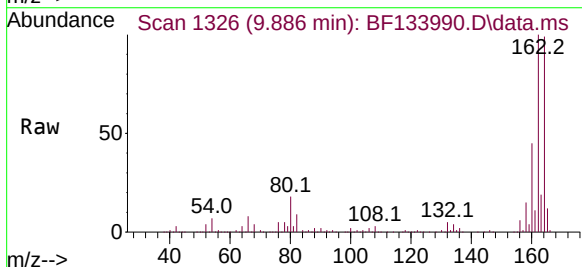
Tgt Ion:164 Resp: 212744

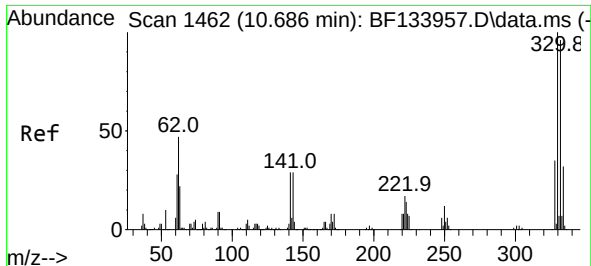
Ion Ratio Lower Upper

164 100

162 100.7 80.0 120.0

160 45.3 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 111.633 ng

RT: 10.680 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF133990.D

Acq: 27 Jun 2023 14:31

Instrument :

BNA_F

ClientSampleId :

WC-9

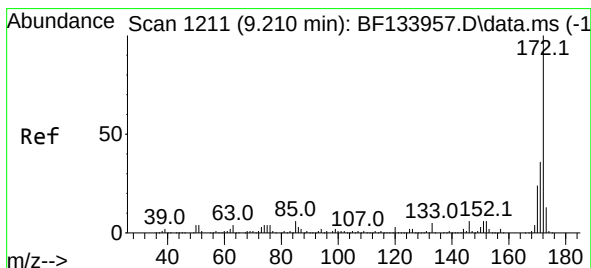
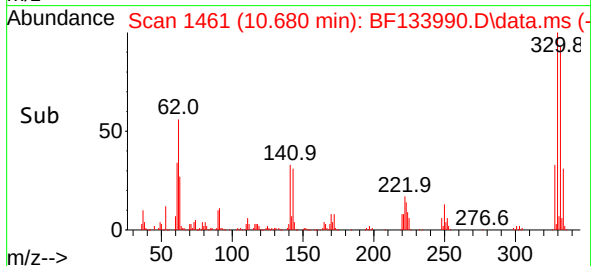
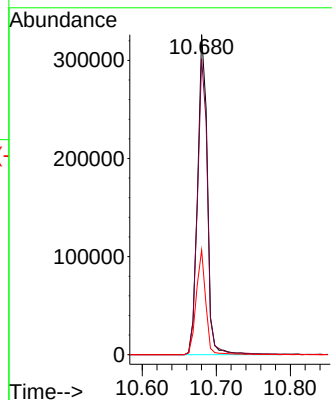
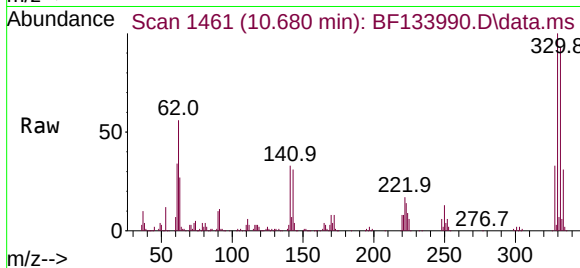
Tgt Ion:330 Resp: 297769

Ion Ratio Lower Upper

330 100

332 95.0 77.0 115.6

141 32.0 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 85.055 ng

RT: 9.210 min Scan# 1211

Delta R.T. -0.000 min

Lab File: BF133990.D

Acq: 27 Jun 2023 14:31

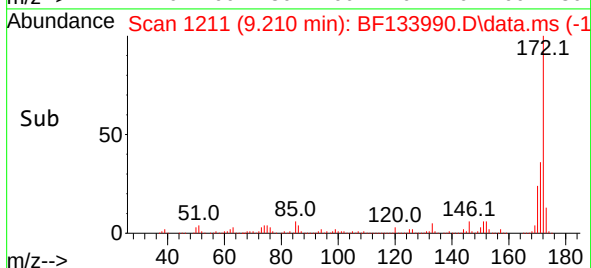
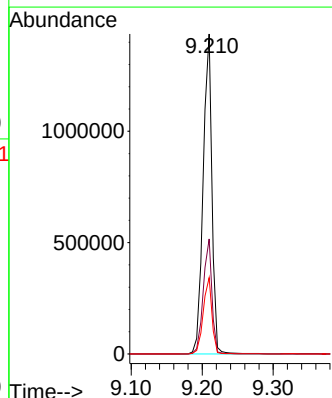
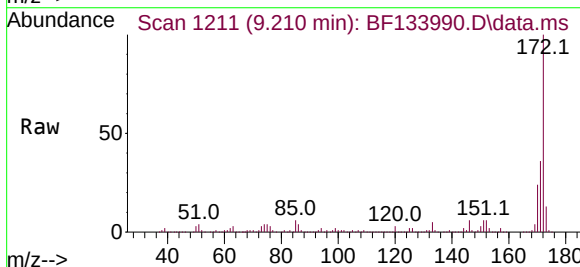
Tgt Ion:172 Resp: 1244581

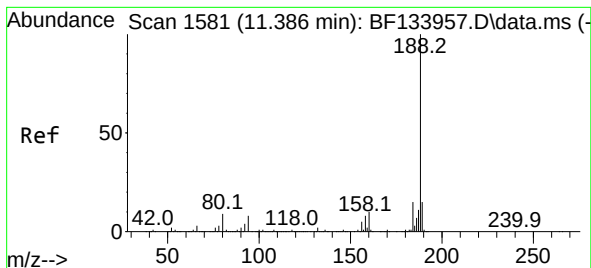
Ion Ratio Lower Upper

172 100

171 35.9 28.6 43.0

170 23.8 19.4 29.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133990.D

Acq: 27 Jun 2023 14:31

Instrument :

BNA_F

ClientSampleId :

WC-9

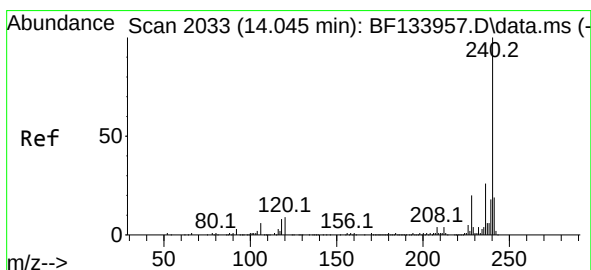
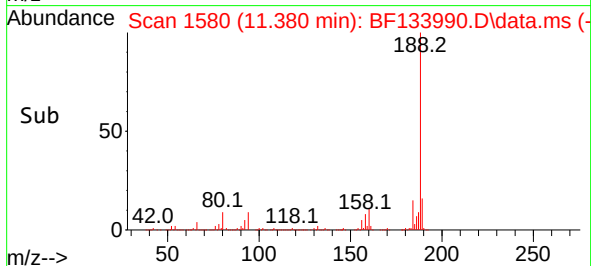
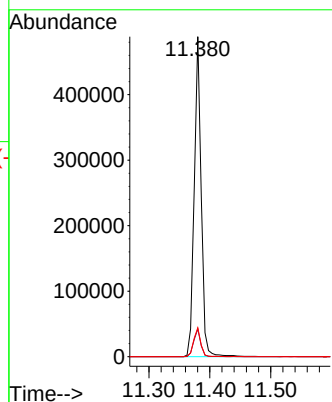
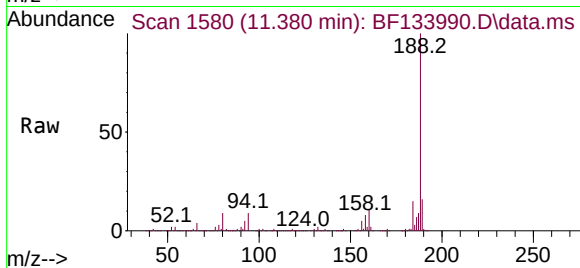
Tgt Ion:188 Resp: 389434

Ion Ratio Lower Upper

188 100

94 8.6 6.4 9.6

80 9.1 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: BF133990.D

Acq: 27 Jun 2023 14:31

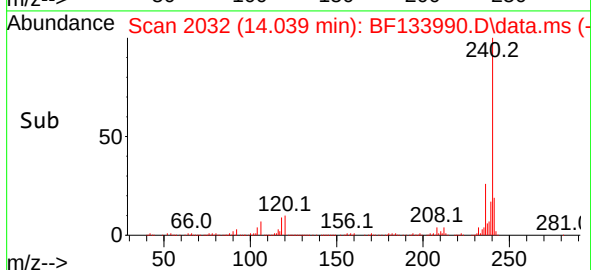
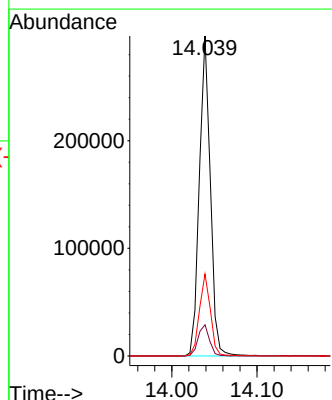
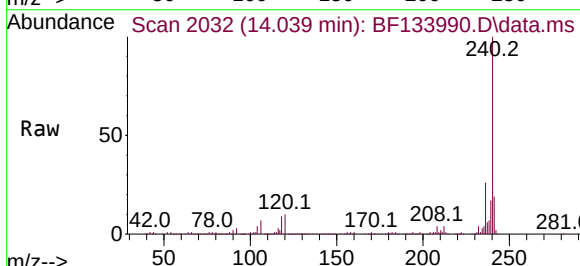
Tgt Ion:240 Resp: 266563

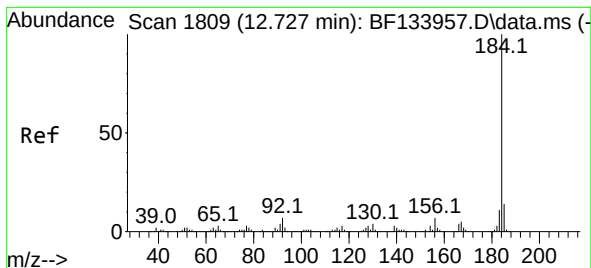
Ion Ratio Lower Upper

240 100

120 9.7 7.4 11.0

236 25.6 21.0 31.6





#77

Benzidine

Concen: 13.836 ng

RT: 12.727 min Scan# 1809

Delta R.T. 0.000 min

Lab File: BF133990.D

Acq: 27 Jun 2023 14:31

Instrument :

BNA_F

ClientSampleId :

WC-9

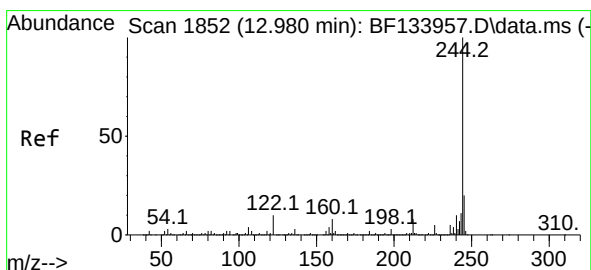
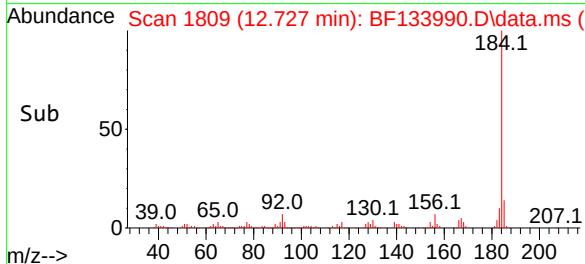
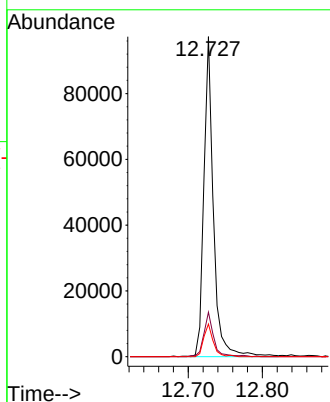
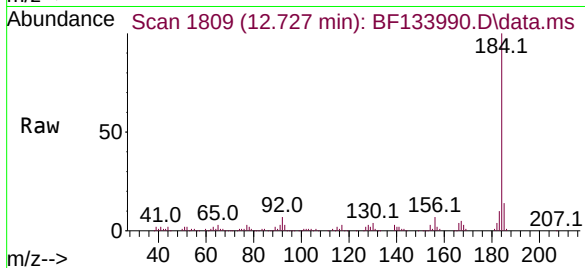
Tgt Ion:184 Resp: 87759

Ion Ratio Lower Upper

184 100

185 13.9 11.6 17.4

183 10.2 8.8 13.2



#79

Terphenyl-d14

Concen: 72.527 ng

RT: 12.980 min Scan# 1852

Delta R.T. -0.000 min

Lab File: BF133990.D

Acq: 27 Jun 2023 14:31

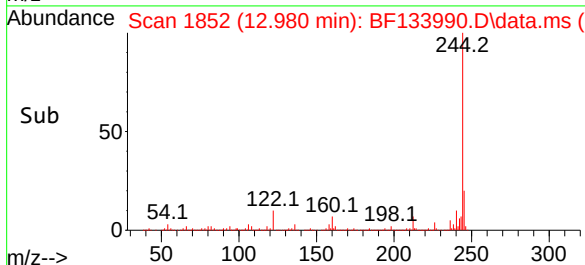
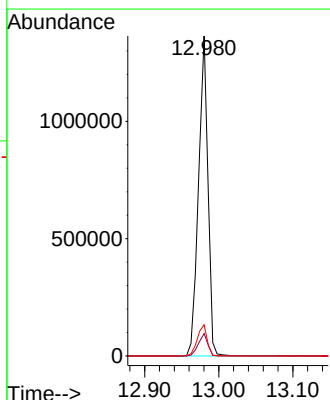
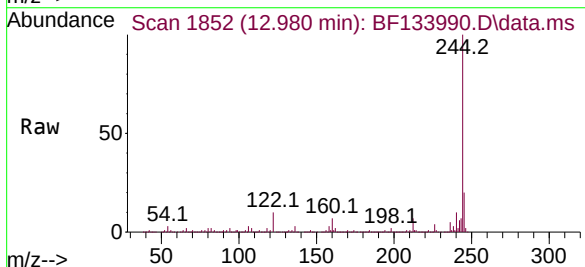
Tgt Ion:244 Resp: 1201247

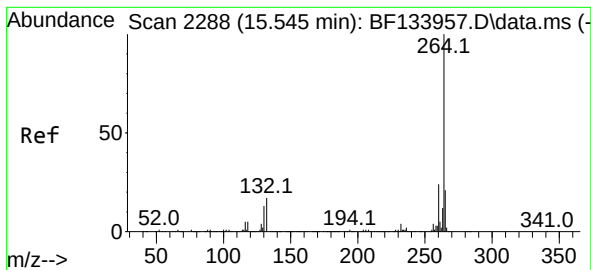
Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

122 9.7 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: BF133990.D

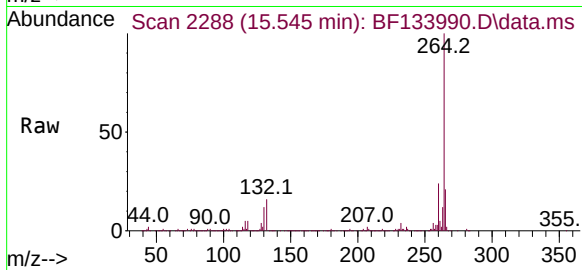
Acq: 27 Jun 2023 14:31

Instrument :

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Tgt Ion:264 Resp: 250540

Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

265 21.2 16.6 25.0

