

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062623\
 Data File : BF133978.D
 Acq On : 27 Jun 2023 07:25
 Operator : CG\JU
 Sample : 03336-11
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Quant Time: Jun 27 07:48:14 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)

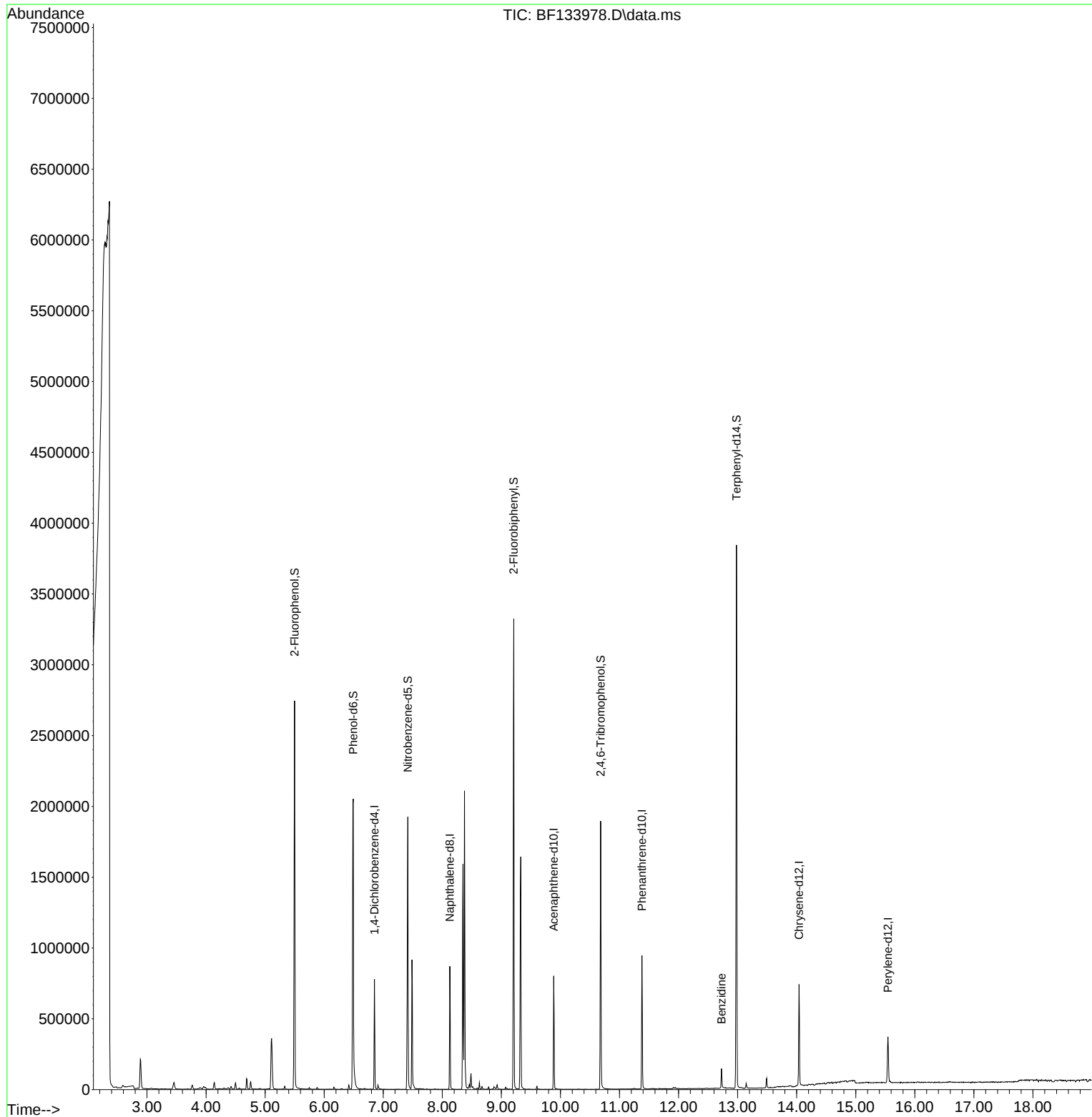
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	98805	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	337370	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	143959	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	334002	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	234963	20.000	ng	# 0.00
86) Perylene-d12	15.545	264	154668	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	683640	115.740	ng	0.02
7) Phenol-d6	6.492	99	759286	104.527	ng	0.00
23) Nitrobenzene-d5	7.416	82	564923	90.264	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	217090	120.274	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	927551	93.677	ng	0.00
79) Terphenyl-d14	12.980	244	1384617	94.842	ng	0.00
Target Compounds						
77) Benzidine	12.727	184	54652	9.775	ng	Qvalue 97

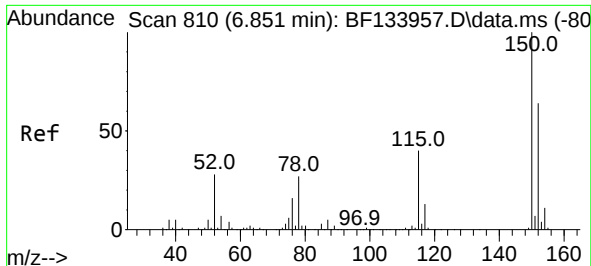
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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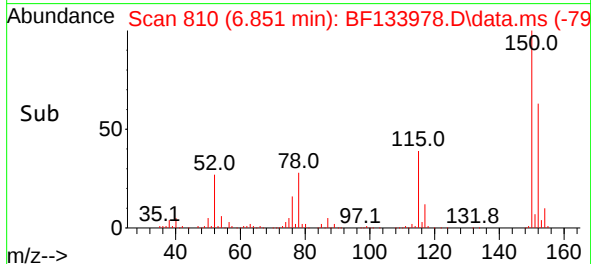
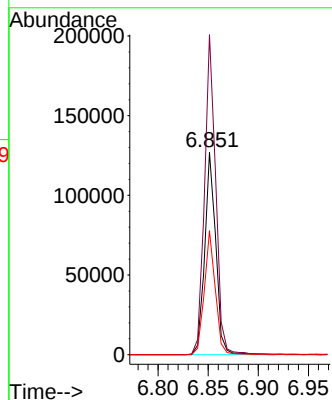
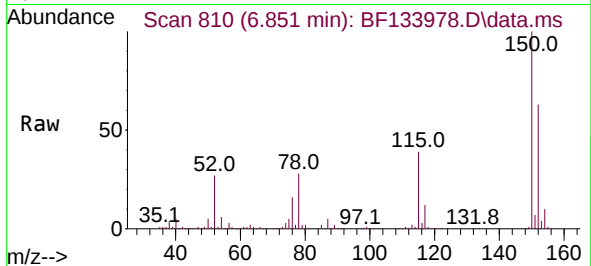




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF133978.D
Acq: 27 Jun 2023 07:25

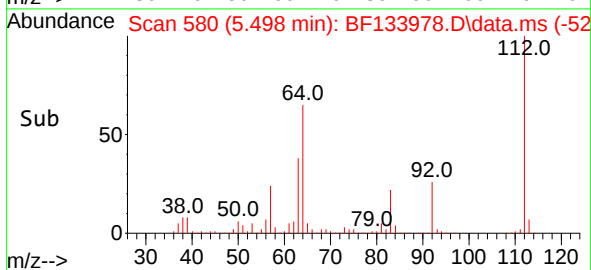
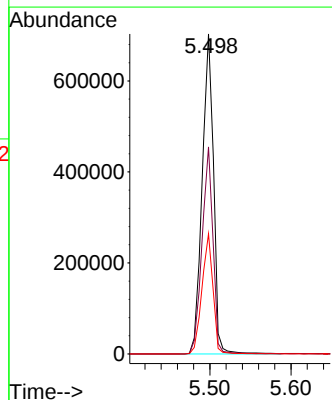
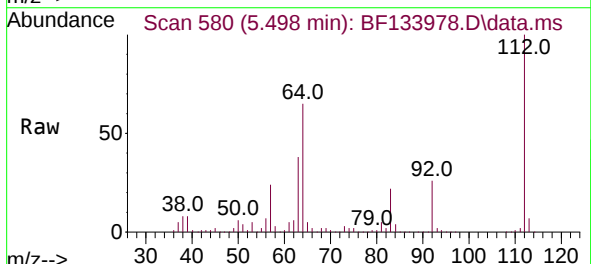
Instrument :
BNA_F
ClientSampleId :
WC-3

Tgt Ion:152 Resp: 98805
Ion Ratio Lower Upper
152 100
150 158.2 124.5 186.7
115 61.3 50.2 75.2



#5
2-Fluorophenol
Concen: 115.740 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF133978.D
Acq: 27 Jun 2023 07:25

Tgt Ion:112 Resp: 683640
Ion Ratio Lower Upper
112 100
64 64.7 52.1 78.1
63 37.6 28.6 42.8

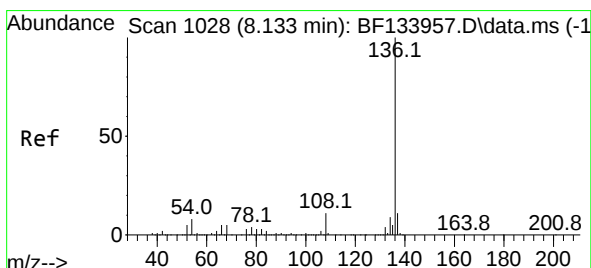
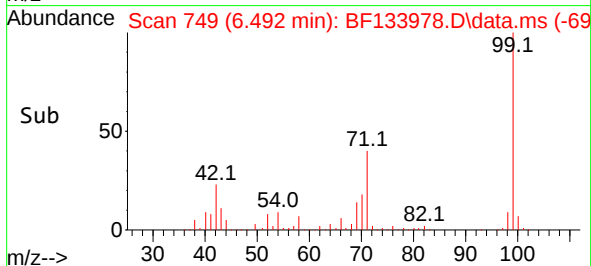
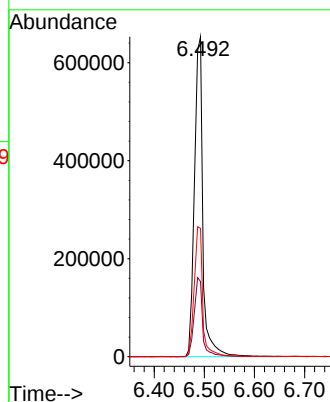
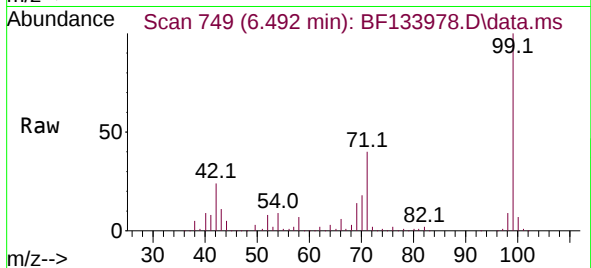




#7
Phenol-d6
Concen: 104.527 ng
RT: 6.492 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF133978.D
Acq: 27 Jun 2023 07:25

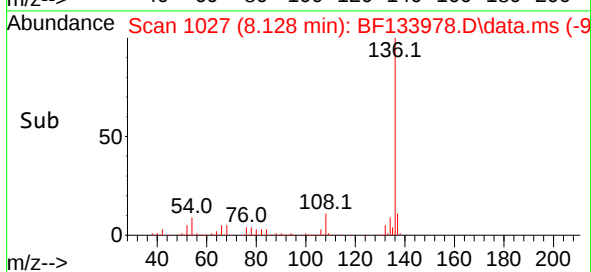
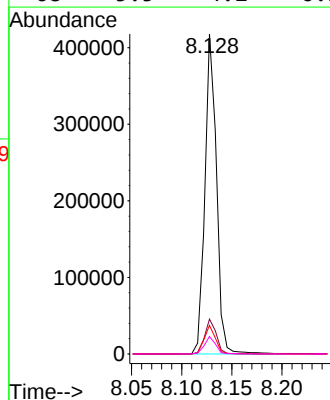
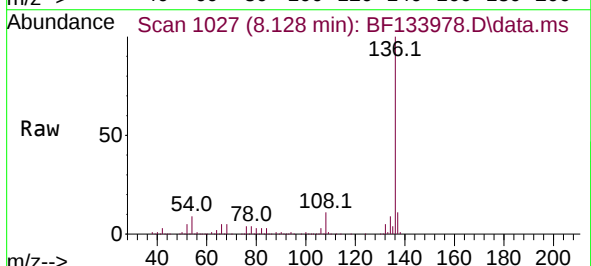
Instrument :
BNA_F
ClientSampleId :
WC-3

Tgt Ion: 99 Resp: 759286
Ion Ratio Lower Upper
99 100
42 23.5 19.8 29.6
71 40.1 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: BF133978.D
Acq: 27 Jun 2023 07:25

Tgt Ion: 136 Resp: 337370
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 9.0 6.5 9.7
68 5.5 4.2 6.2

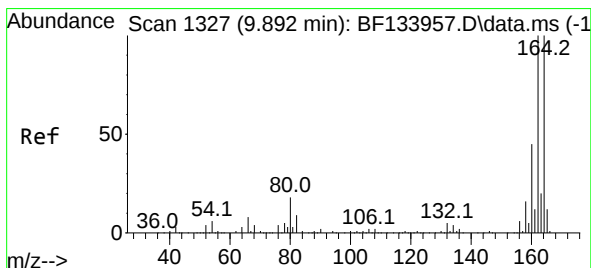
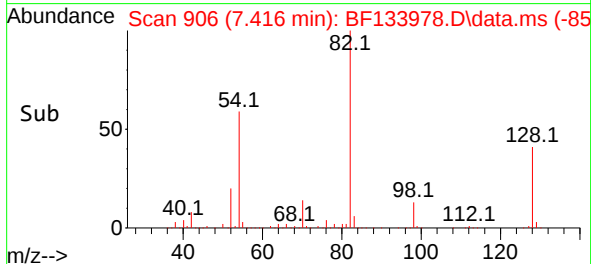
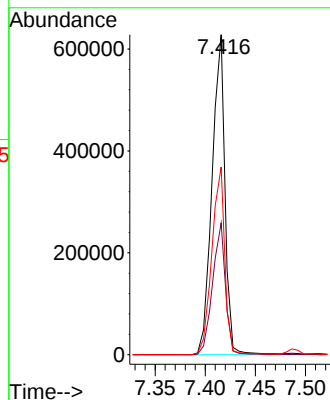
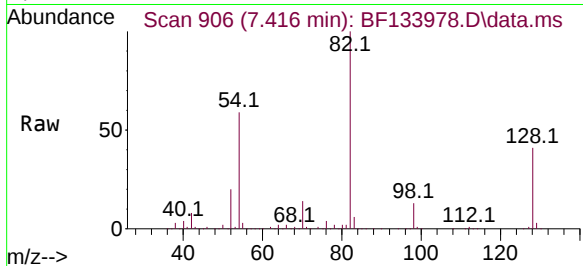




#23
Nitrobenzene-d5
Concen: 90.264 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.000 min
Lab File: BF133978.D
Acq: 27 Jun 2023 07:25

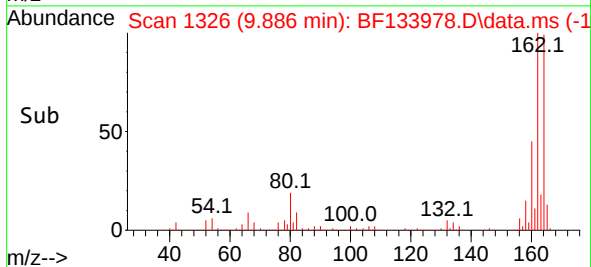
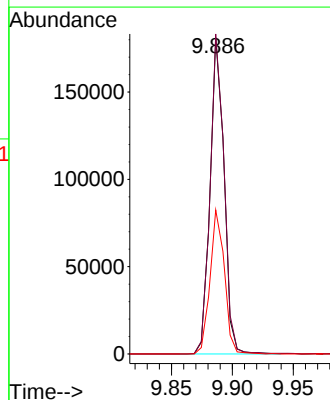
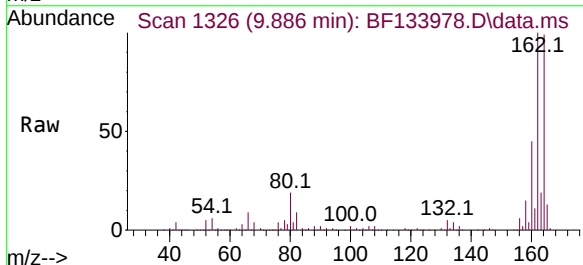
Instrument :
BNA_F
ClientSampleId :
WC-3

Tgt Ion: 82 Resp: 564923
Ion Ratio Lower Upper
82 100
128 41.2 32.5 48.7
54 58.6 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: BF133978.D
Acq: 27 Jun 2023 07:25

Tgt Ion:164 Resp: 143959
Ion Ratio Lower Upper
164 100
162 101.1 80.0 120.0
160 45.5 35.9 53.9

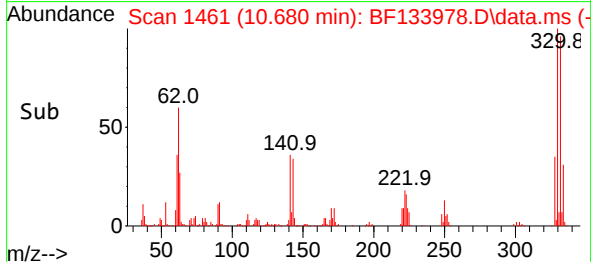
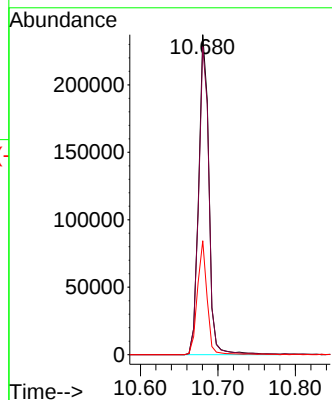
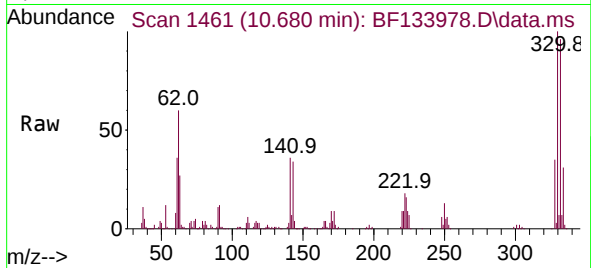




#42
2,4,6-Tribromophenol
Concen: 120.274 ng
RT: 10.680 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF133978.D
Acq: 27 Jun 2023 07:25

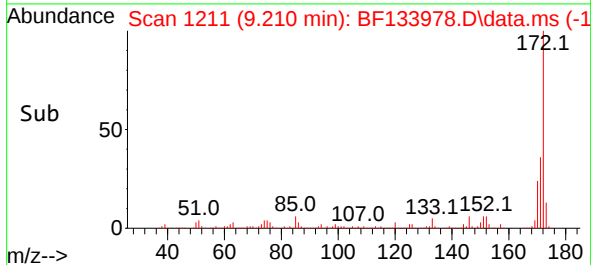
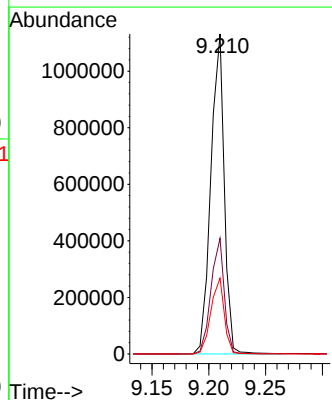
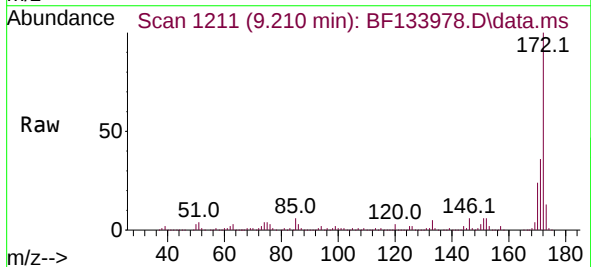
Instrument :
BNA_F
ClientSampleId :
WC-3

Tgt Ion:330 Resp: 217090
Ion Ratio Lower Upper
330 100
332 97.4 77.0 115.6
141 33.6 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 93.677 ng
RT: 9.210 min Scan# 1211
Delta R.T. 0.000 min
Lab File: BF133978.D
Acq: 27 Jun 2023 07:25

Tgt Ion:172 Resp: 927551
Ion Ratio Lower Upper
172 100
171 36.1 28.6 43.0
170 23.7 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: BF133978.D

Acq: 27 Jun 2023 07:25

Instrument :

BNA_F

ClientSampleId :

WC-3

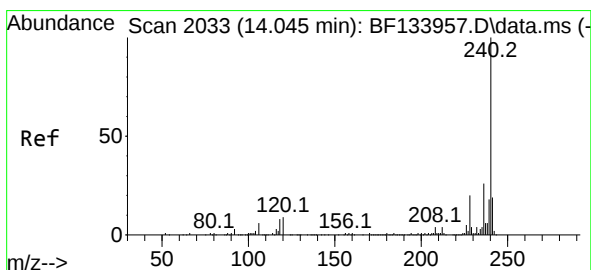
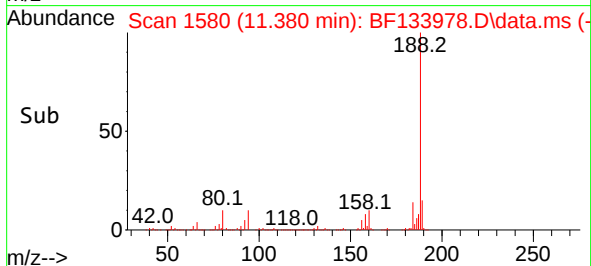
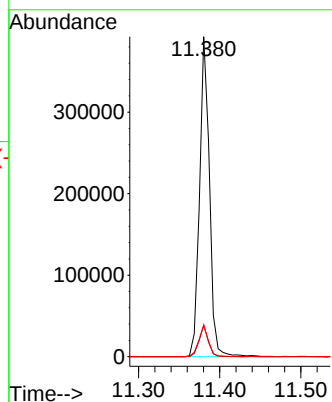
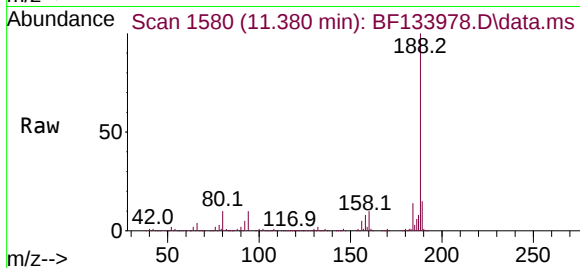
Tgt Ion:188 Resp: 334002

Ion Ratio Lower Upper

188 100

94 9.8 6.4 9.6#

80 9.9 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: BF133978.D

Acq: 27 Jun 2023 07:25

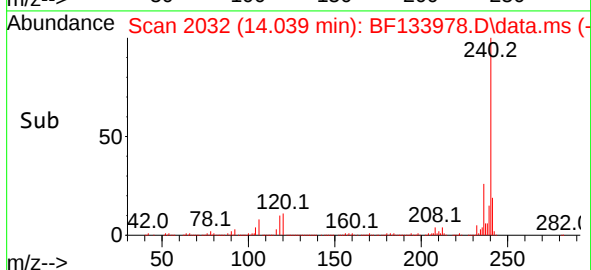
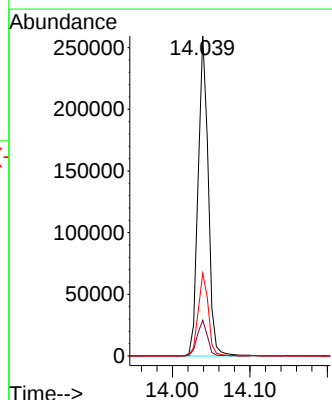
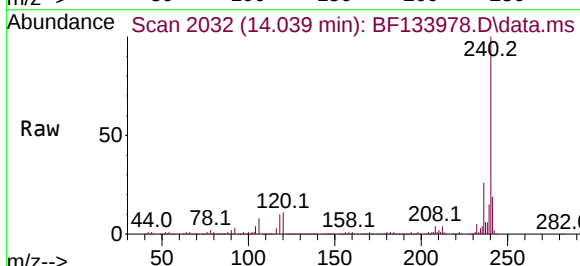
Tgt Ion:240 Resp: 234963

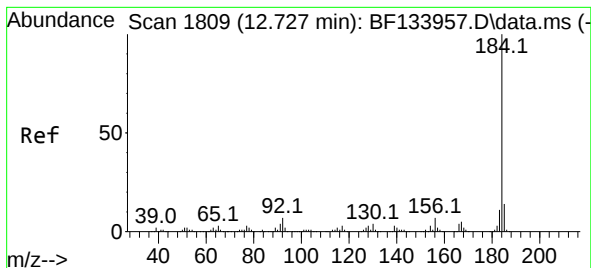
Ion Ratio Lower Upper

240 100

120 11.2 7.4 11.0#

236 25.8 21.0 31.6





#77

Benzidine

Concen: 9.775 ng

RT: 12.727 min Scan# 1809

Delta R.T. 0.000 min

Lab File: BF133978.D

Acq: 27 Jun 2023 07:25

Instrument :

BNA_F

ClientSampleId :

WC-3

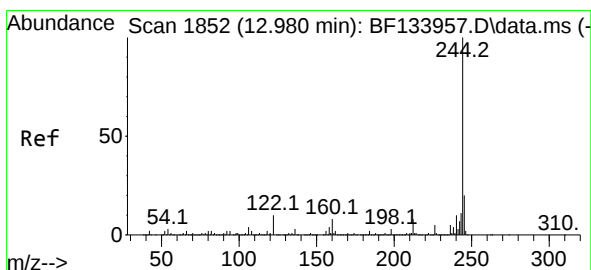
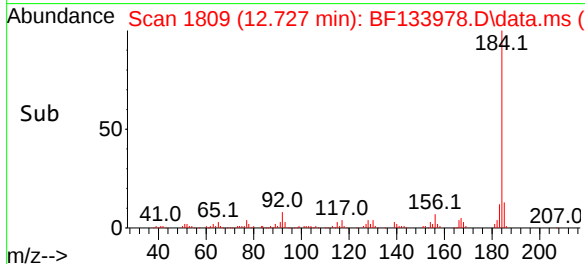
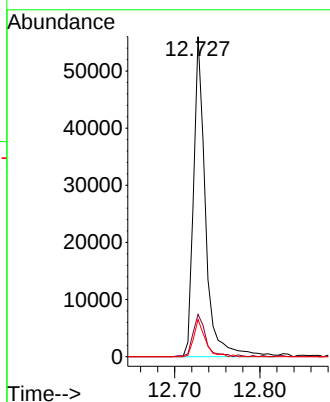
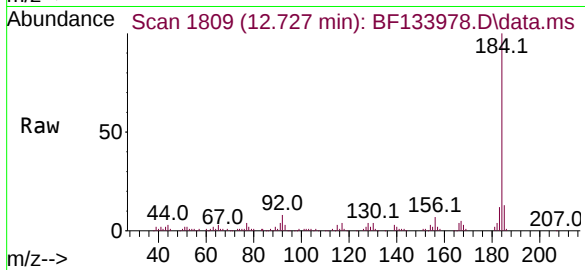
Tgt Ion:184 Resp: 54652

Ion Ratio Lower Upper

184 100

185 13.2 11.6 17.4

183 11.6 8.8 13.2



#79

Terphenyl-d14

Concen: 94.842 ng

RT: 12.980 min Scan# 1852

Delta R.T. 0.000 min

Lab File: BF133978.D

Acq: 27 Jun 2023 07:25

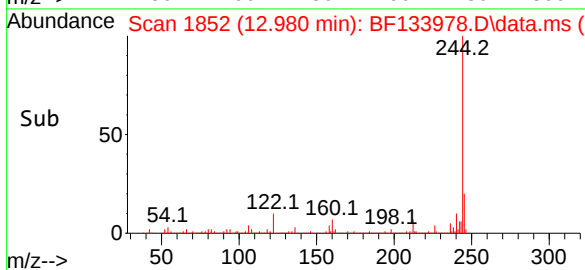
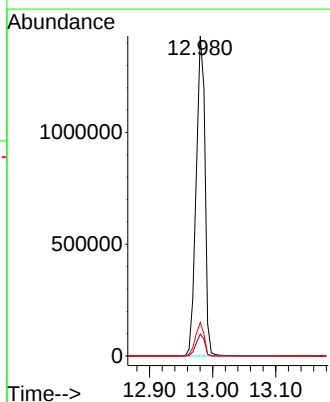
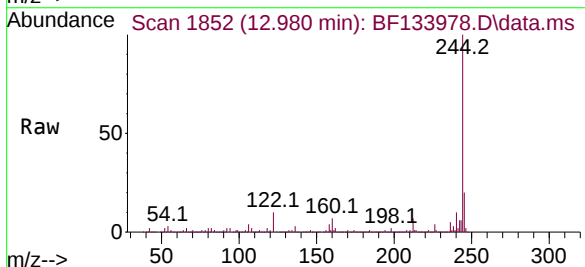
Tgt Ion:244 Resp: 1384617

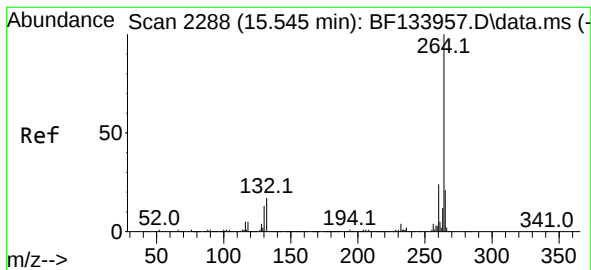
Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 10.5 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: BF133978.D

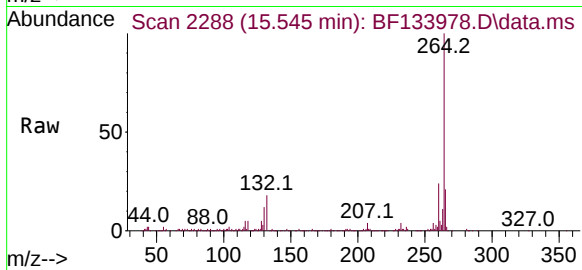
Acq: 27 Jun 2023 07:25

Instrument :

BNA_F

ClientSampleId :

WC-3



Tgt Ion:264 Resp: 154668

Ion Ratio Lower Upper

264 100

260 23.9 19.5 29.3

265 20.9 16.6 25.0

