

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022625\
 Data File : BF141780.D
 Acq On : 26 Feb 2025 13:55
 Operator : RC/JU
 Sample : PB166875BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166875BL

Quant Time: Feb 26 14:15:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	76736	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	309972	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	172156	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	297565	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	205070	20.000	ng	-0.02
86) Perylene-d12	15.386	264	168978	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	690992	141.172	ng	0.00
7) Phenol-d6	6.428	99	838878	135.599	ng	-0.01
23) Nitrobenzene-d5	7.345	82	543627	91.475	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	229764	132.859	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	1079942	96.645	ng	-0.02
79) Terphenyl-d14	12.886	244	1286585	105.914	ng	-0.02

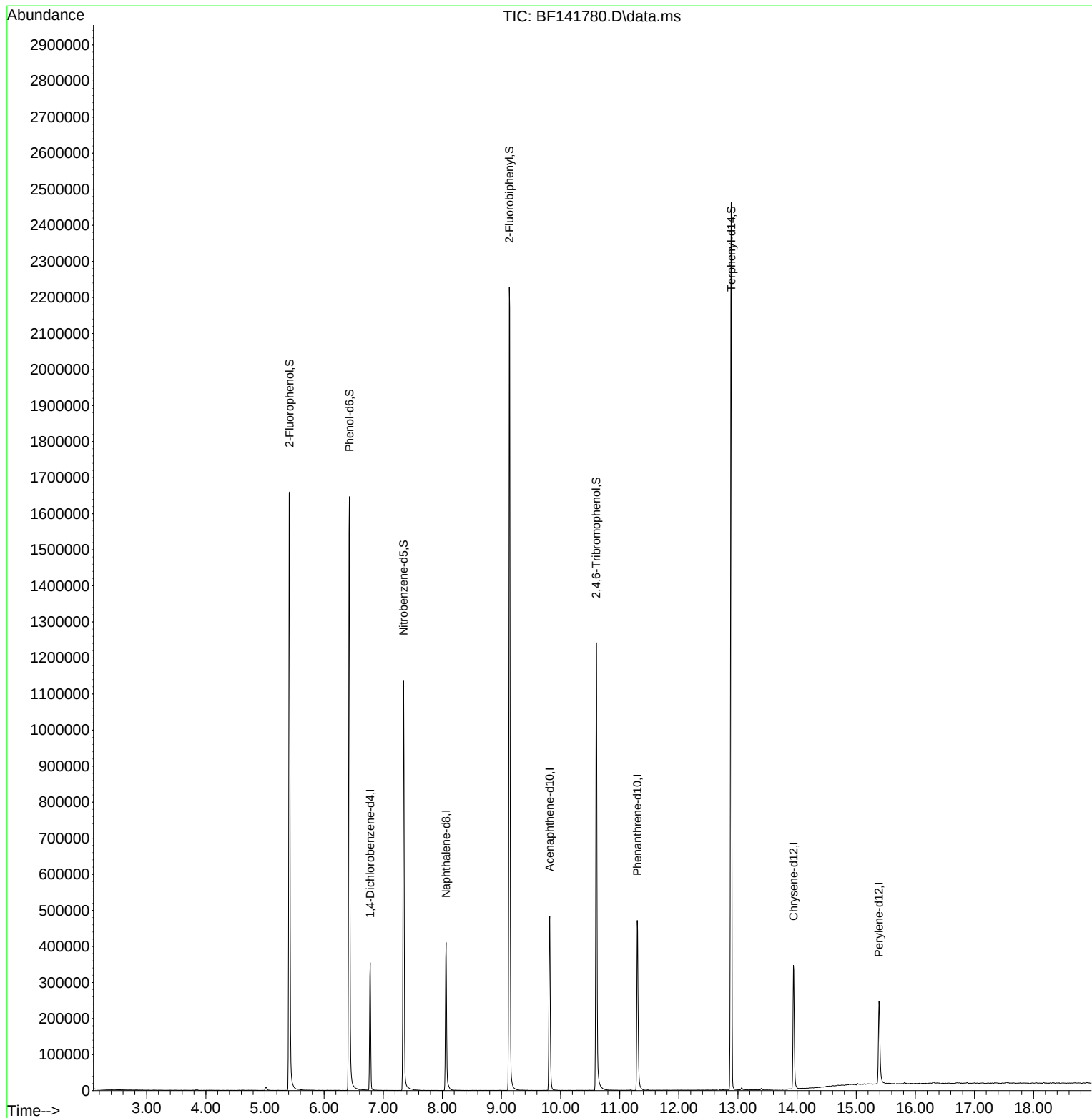
Target Compounds	Qvalue

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

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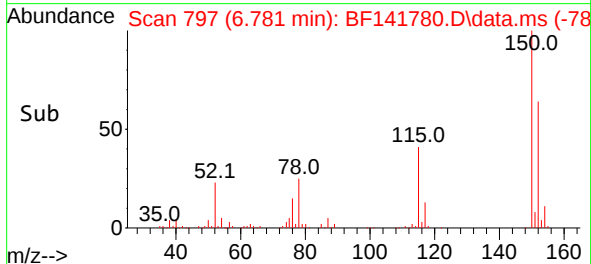
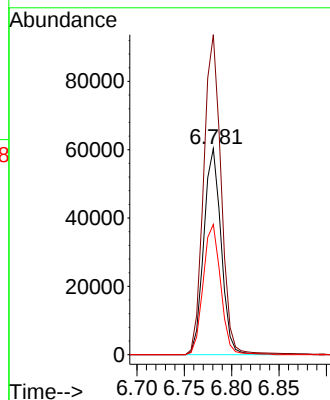
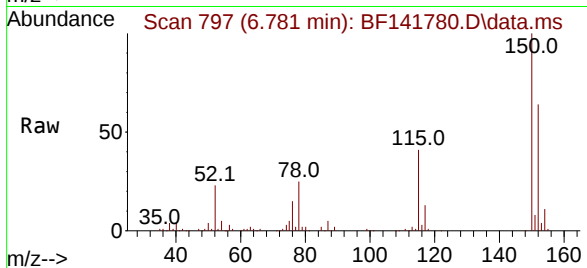




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141780.D
Acq: 26 Feb 2025 13:55

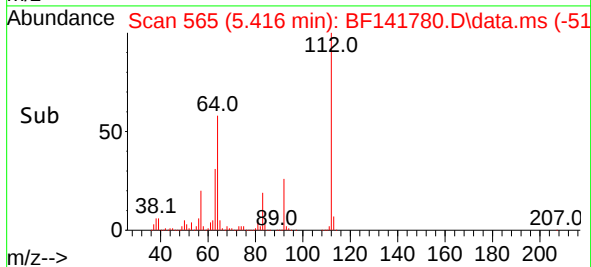
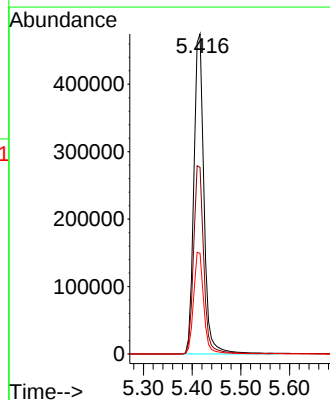
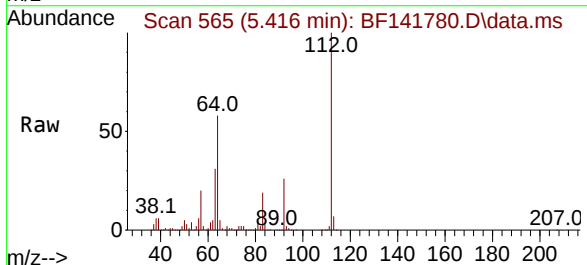
Instrument :
BNA_F
ClientSampleId :
PB166875BL

Tgt Ion:152 Resp: 76736
Ion Ratio Lower Upper
152 100
150 155.2 125.0 187.4
115 63.2 53.6 80.4



#5
2-Fluorophenol
Concen: 141.172 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141780.D
Acq: 26 Feb 2025 13:55

Tgt Ion:112 Resp: 690992
Ion Ratio Lower Upper
112 100
64 58.3 51.1 76.7
63 31.4 28.4 42.6

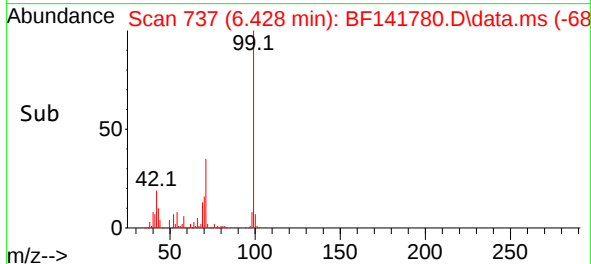
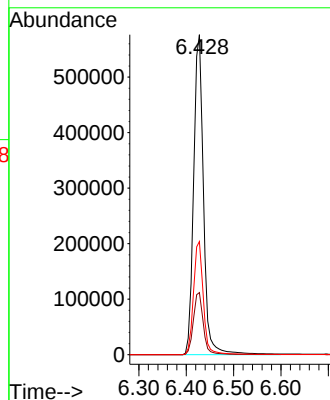
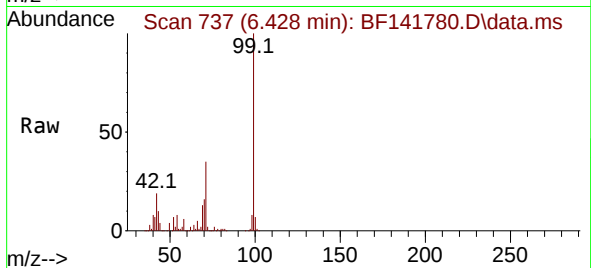




#7
Phenol-d6
Concen: 135.599 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141780.D
Acq: 26 Feb 2025 13:55

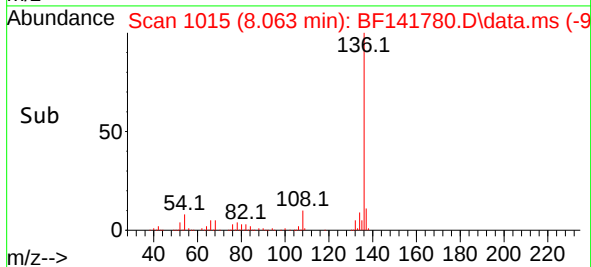
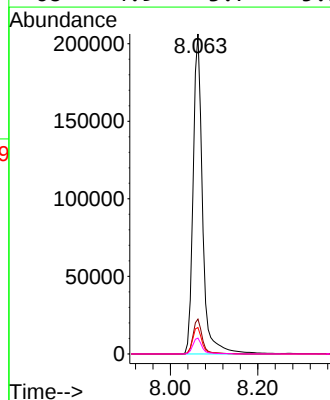
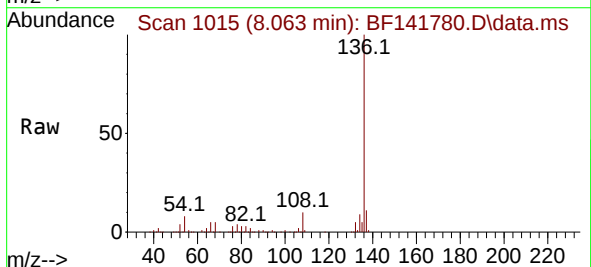
Instrument :
BNA_F
ClientSampleId :
PB166875BL

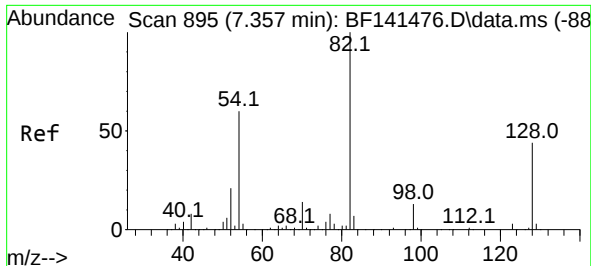
Tgt Ion: 99 Resp: 838878
Ion Ratio Lower Upper
99 100
42 19.4 19.1 28.7
71 35.3 31.1 46.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141780.D
Acq: 26 Feb 2025 13:55

Tgt Ion: 136 Resp: 309972
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.3 7.2 10.8
68 4.9 3.7 5.5





#23

Nitrobenzene-d5

Concen: 91.475 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF141780.D

Acq: 26 Feb 2025 13:55

Instrument :

BNA_F

ClientSampleId :

PB166875BL

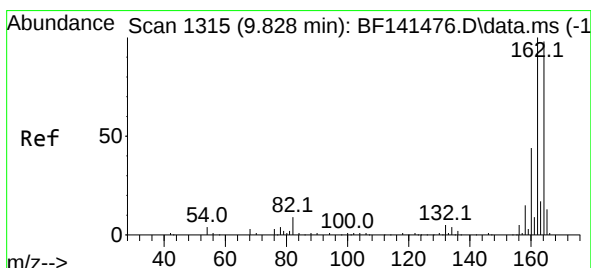
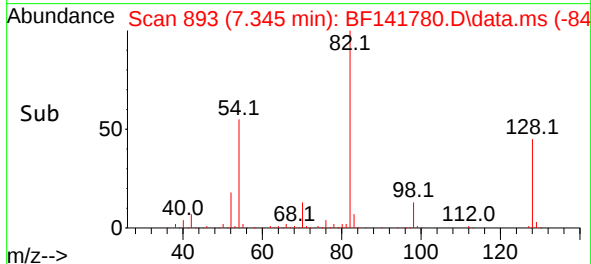
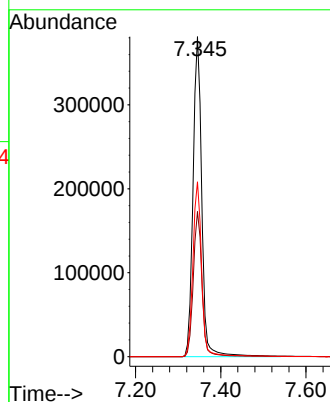
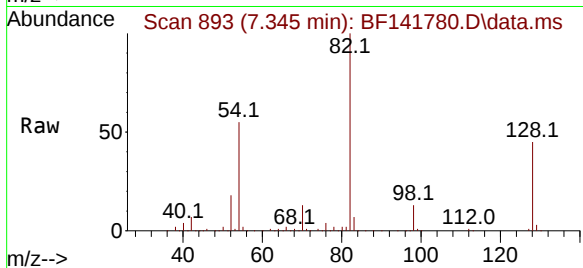
Tgt Ion: 82 Resp: 543627

Ion Ratio Lower Upper

82 100

128 45.4 34.8 52.2

54 54.6 48.2 72.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1313

Delta R.T. -0.018 min

Lab File: BF141780.D

Acq: 26 Feb 2025 13:55

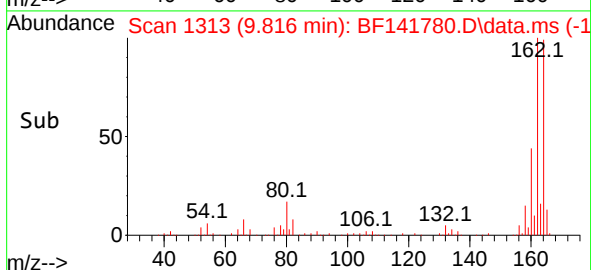
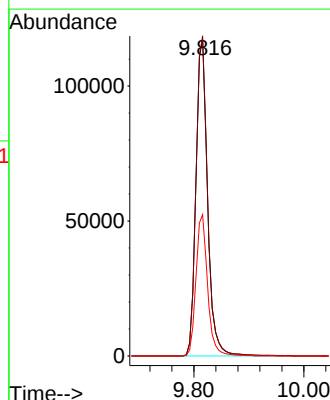
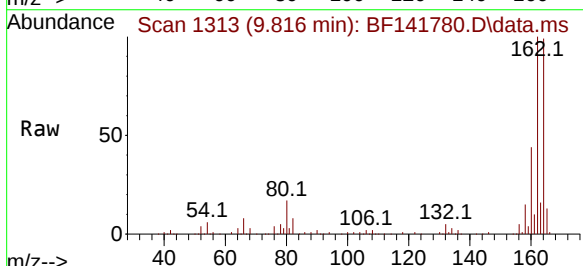
Tgt Ion:164 Resp: 172156

Ion Ratio Lower Upper

164 100

162 101.0 81.3 121.9

160 44.6 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 132.859 ng

RT: 10.604 min Scan# 1450

Delta R.T. -0.023 min

Lab File: BF141780.D

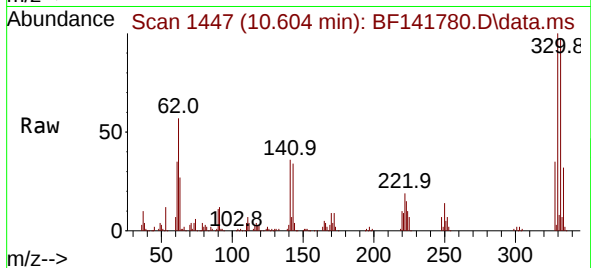
Acq: 26 Feb 2025 13:55

Instrument :

BNA_F

ClientSampleId :

PB166875BL



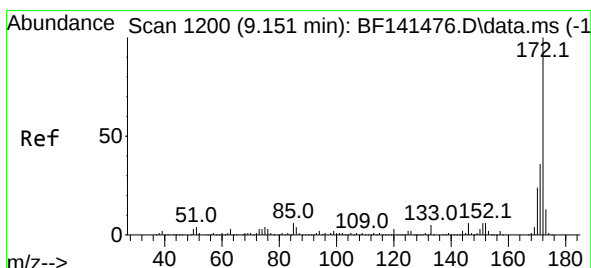
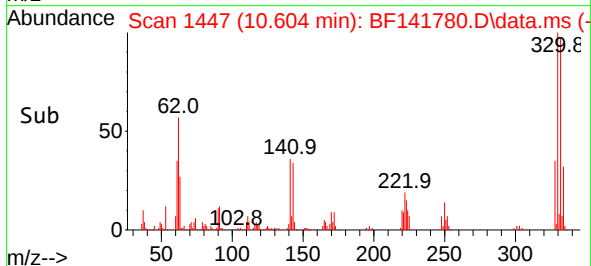
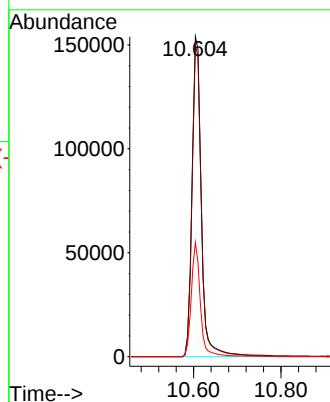
Tgt Ion:330 Resp: 229764

Ion Ratio Lower Upper

330 100

332 97.4 78.5 117.7

141 34.7 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 96.645 ng

RT: 9.133 min Scan# 1197

Delta R.T. -0.018 min

Lab File: BF141780.D

Acq: 26 Feb 2025 13:55

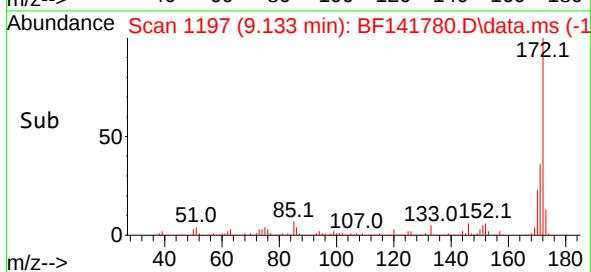
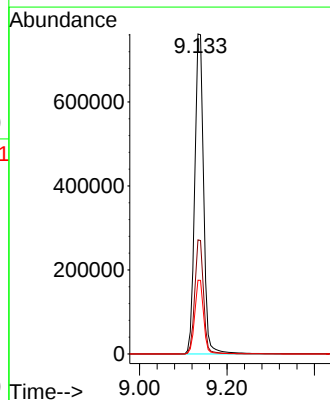
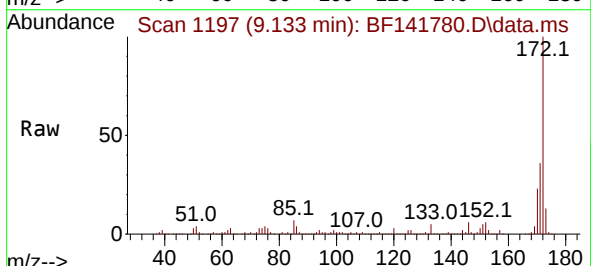
Tgt Ion:172 Resp: 1079942

Ion Ratio Lower Upper

172 100

171 35.7 28.7 43.1

170 23.1 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141780.D

Acq: 26 Feb 2025 13:55

Instrument :

BNA_F

ClientSampleId :

PB166875BL

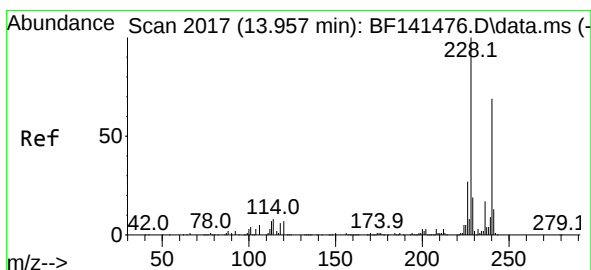
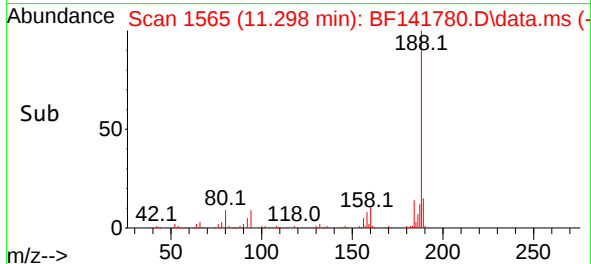
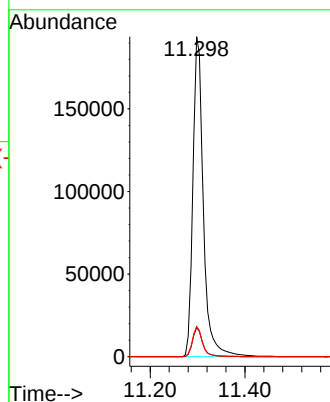
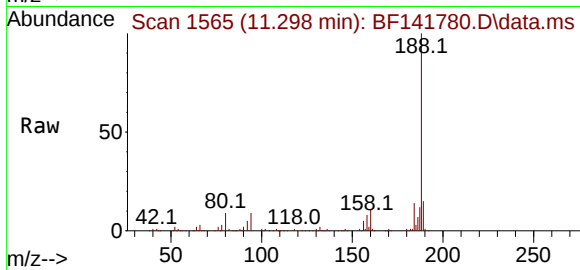
Tgt Ion:188 Resp: 297565

Ion Ratio Lower Upper

188 100

94 9.0 6.6 10.0

80 9.5 7.3 10.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2014

Delta R.T. -0.023 min

Lab File: BF141780.D

Acq: 26 Feb 2025 13:55

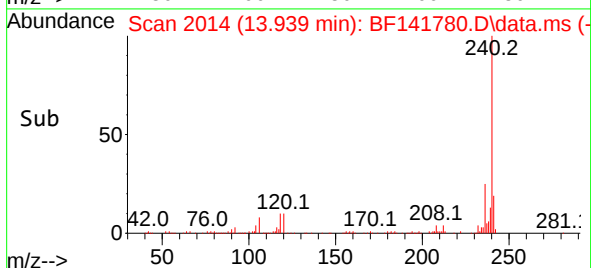
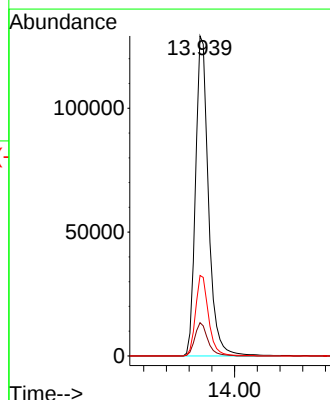
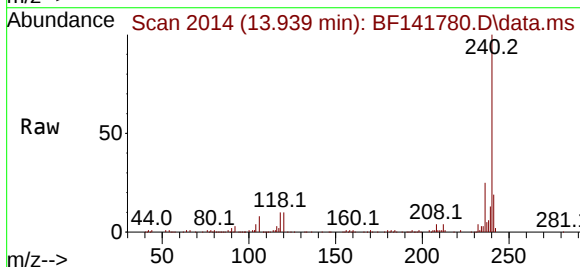
Tgt Ion:240 Resp: 205070

Ion Ratio Lower Upper

240 100

120 10.4 8.0 12.0

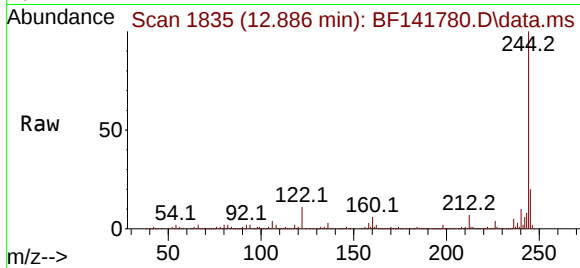
236 25.1 19.8 29.8



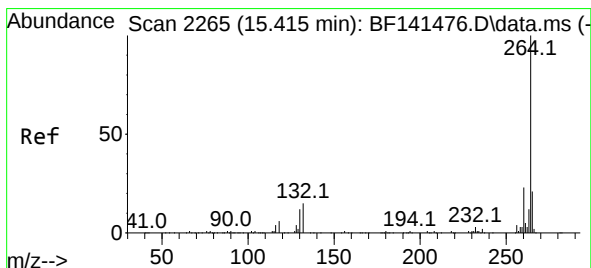
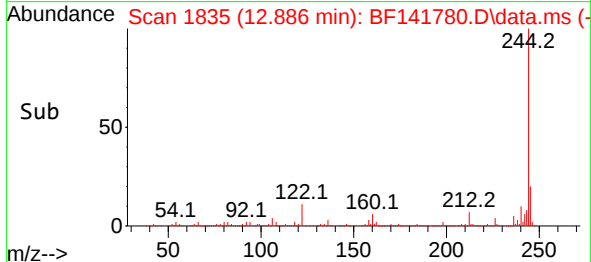
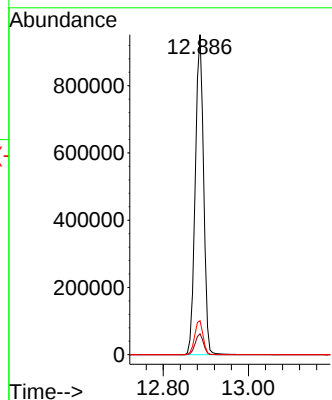


#79
 Terphenyl-d14
 Concen: 105.914 ng
 RT: 12.886 min Scan# 1835
 Delta R.T. -0.018 min
 Lab File: BF141780.D
 Acq: 26 Feb 2025 13:55

Instrument :
 BNA_F
 ClientSampleId :
 PB166875BL



Tgt Ion:244 Resp: 1286585
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.6 8.4
 122 10.6 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.386 min Scan# 2260
 Delta R.T. -0.029 min
 Lab File: BF141780.D
 Acq: 26 Feb 2025 13:55

Tgt Ion:264 Resp: 168978
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.6 28.0
 265 21.6 17.0 25.4

