

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022425\
 Data File : BF141753.D
 Acq On : 24 Feb 2025 19:35
 Operator : RC/JU
 Sample : Q1411-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-02-02212025

Quant Time: Feb 25 00:13:09 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)

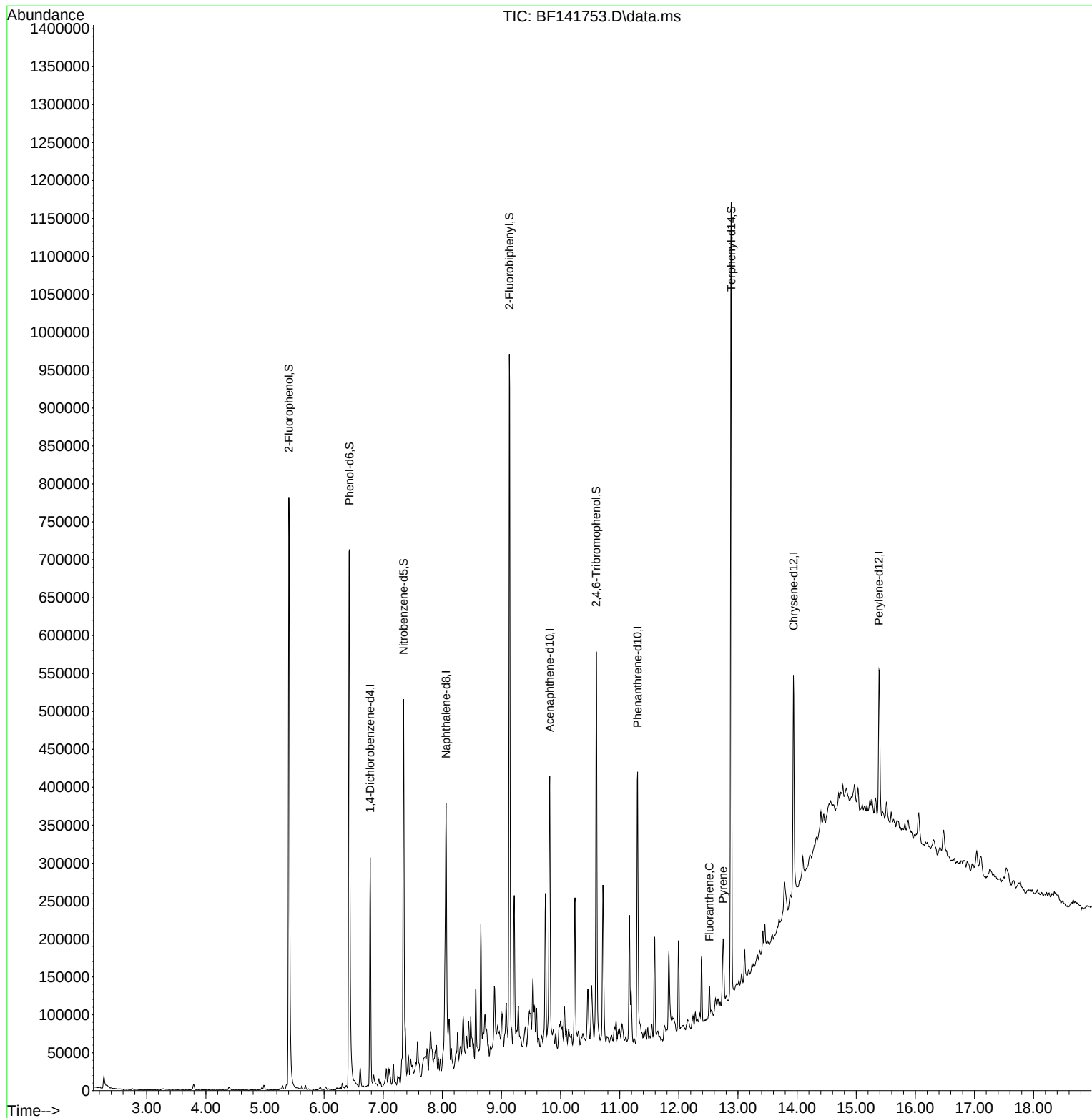
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	62402	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	214694	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	105394	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	194118	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	142153	20.000	ng	-0.02
86) Perylene-d12	15.386	264	109307	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	338843	85.128	ng	0.00
7) Phenol-d6	6.428	99	389435	77.409	ng	-0.01
23) Nitrobenzene-d5	7.345	82	231463	56.232	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	87712	82.846	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	417447	61.022	ng	-0.02
79) Terphenyl-d14	12.886	244	527672	62.665	ng	-0.02
Target Compounds						
75) Fluoranthene	12.516	202	23518	2.076	ng	94
78) Pyrene	12.745	202	29438	2.433	ng	96

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

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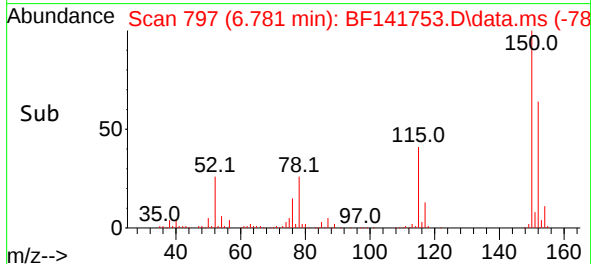
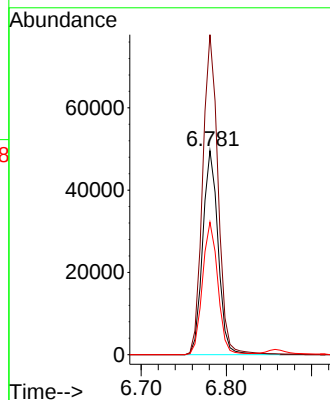
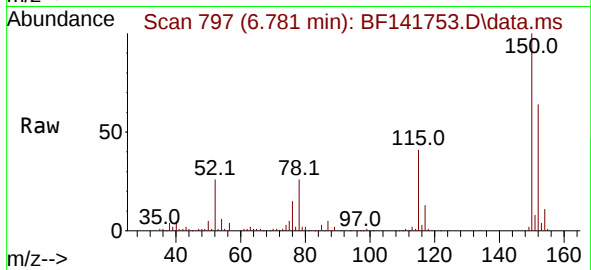




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141753.D
Acq: 24 Feb 2025 19:35

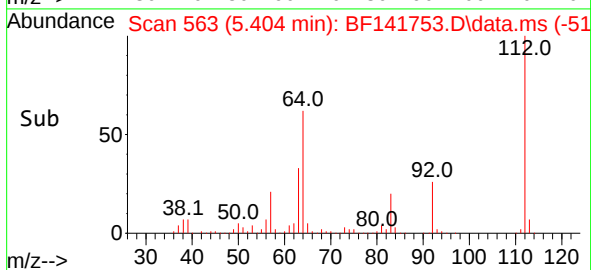
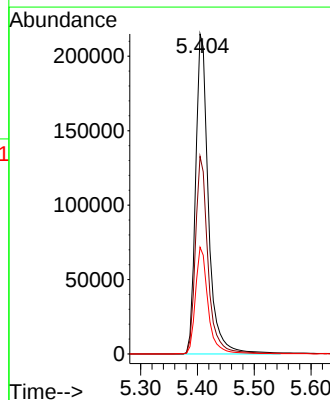
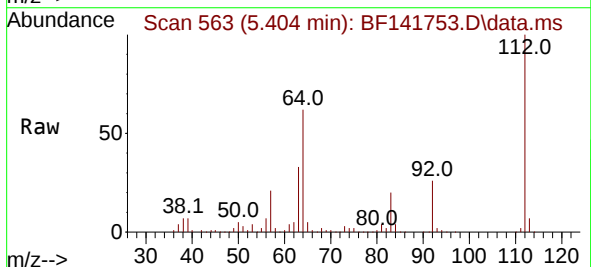
Instrument :
BNA_F
ClientSampleId :
HR-02-02212025

Tgt Ion:152 Resp: 62402
Ion Ratio Lower Upper
152 100
150 156.8 125.0 187.4
115 64.9 53.6 80.4



#5
2-Fluorophenol
Concen: 85.128 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141753.D
Acq: 24 Feb 2025 19:35

Tgt Ion:112 Resp: 338843
Ion Ratio Lower Upper
112 100
64 61.8 51.1 76.7
63 33.3 28.4 42.6

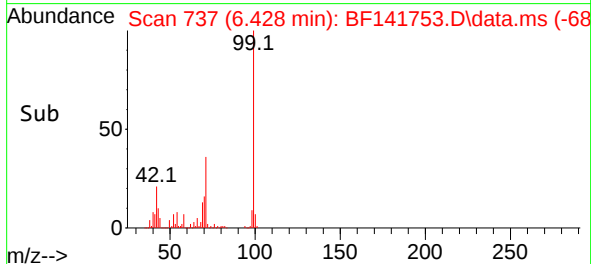
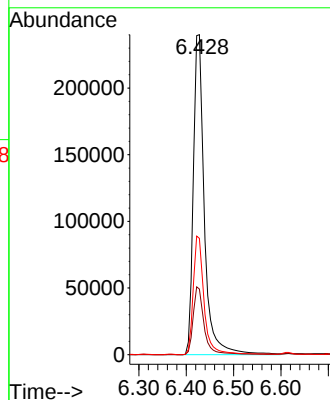
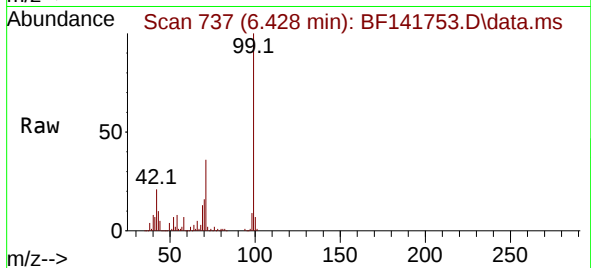




#7
Phenol-d6
Concen: 77.409 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141753.D
Acq: 24 Feb 2025 19:35

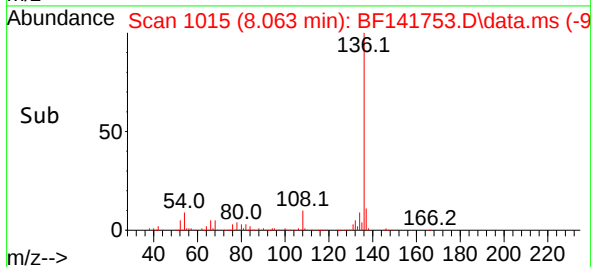
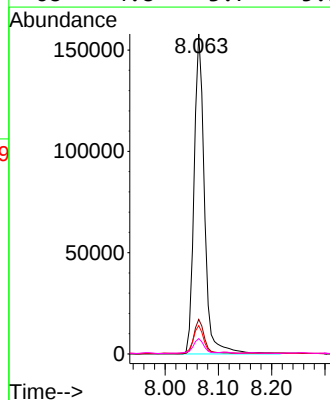
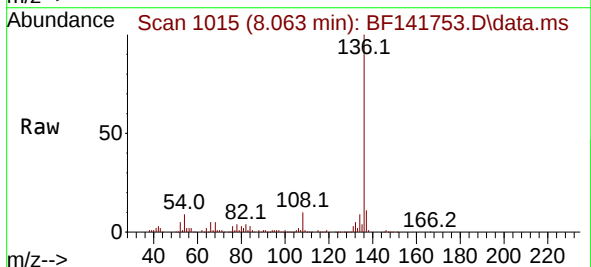
Instrument :
BNA_F
ClientSampleId :
HR-02-02212025

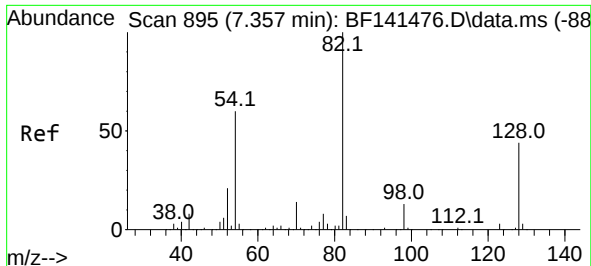
Tgt Ion: 99 Resp: 389435
Ion Ratio Lower Upper
99 100
42 20.5 19.1 28.7
71 36.4 31.1 46.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141753.D
Acq: 24 Feb 2025 19:35

Tgt Ion: 136 Resp: 214694
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.8 7.2 10.8
68 4.8 3.7 5.5





#23

Nitrobenzene-d5

Concen: 56.232 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF141753.D

Acq: 24 Feb 2025 19:35

Instrument :

BNA_F

ClientSampleId :

HR-02-02212025

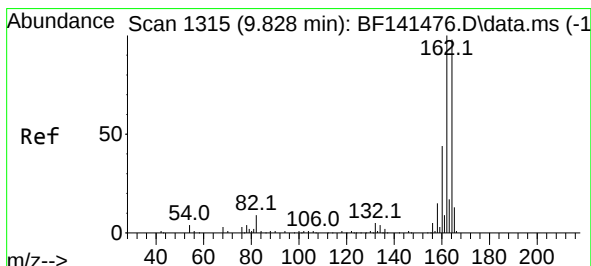
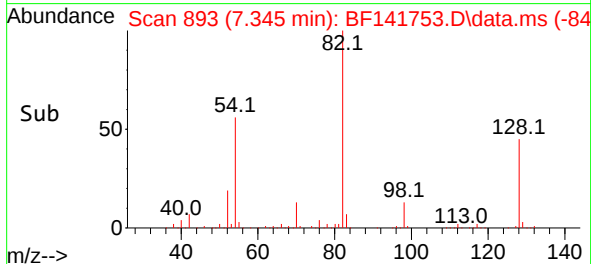
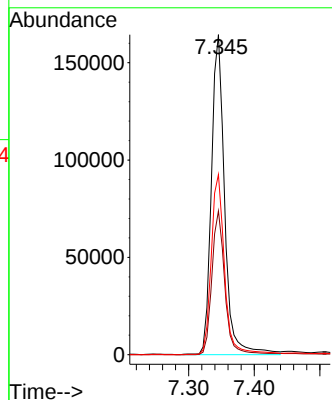
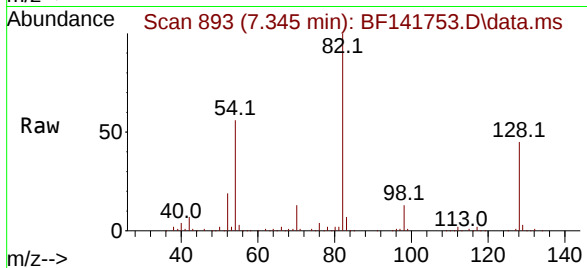
Tgt Ion: 82 Resp: 231463

Ion Ratio Lower Upper

82 100

128 44.9 34.8 52.2

54 56.3 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: BF141753.D

Acq: 24 Feb 2025 19:35

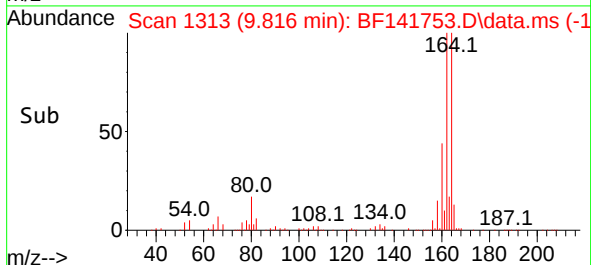
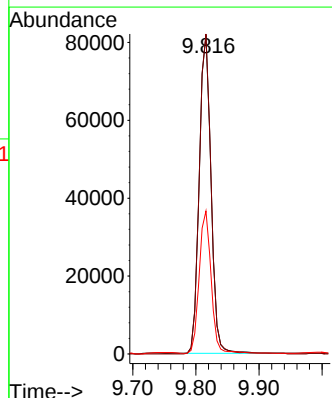
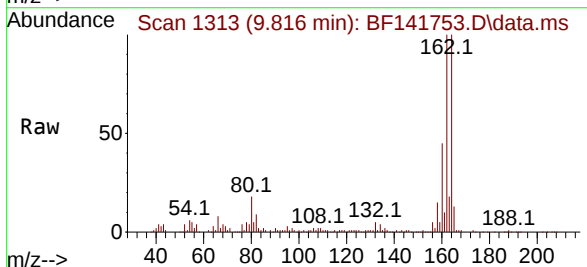
Tgt Ion:164 Resp: 105394

Ion Ratio Lower Upper

164 100

162 100.4 81.3 121.9

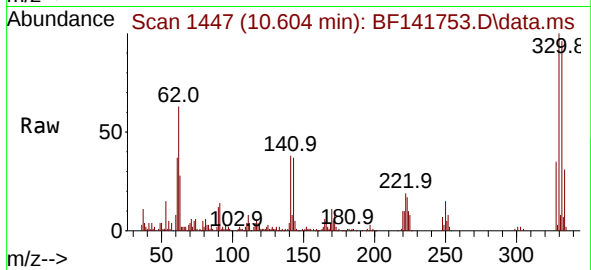
160 44.9 35.9 53.9



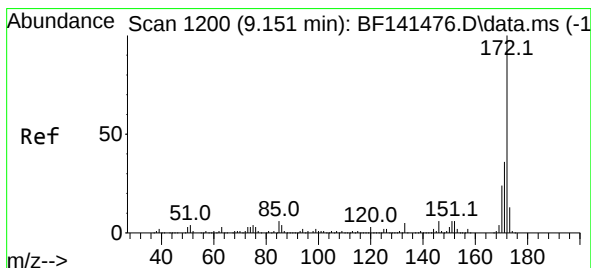
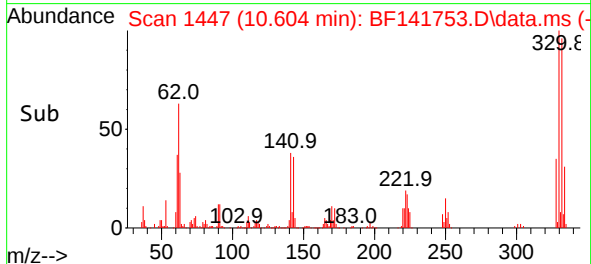
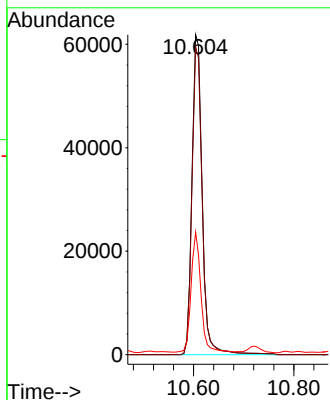


#42
2,4,6-Tribromophenol
Concen: 82.846 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.023 min
Lab File: BF141753.D
Acq: 24 Feb 2025 19:35

Instrument :
BNA_F
ClientSampleId :
HR-02-02212025

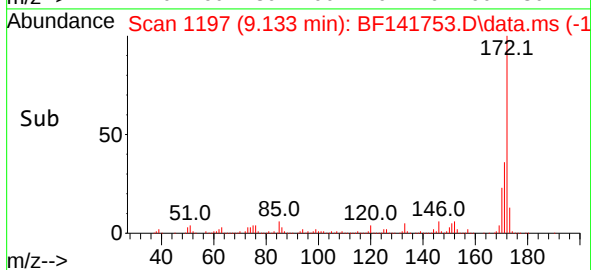
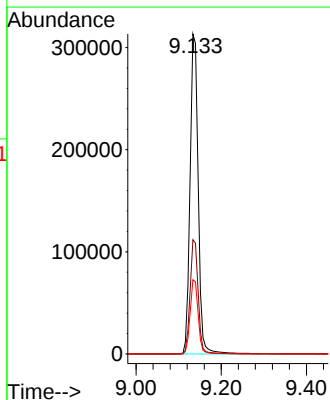
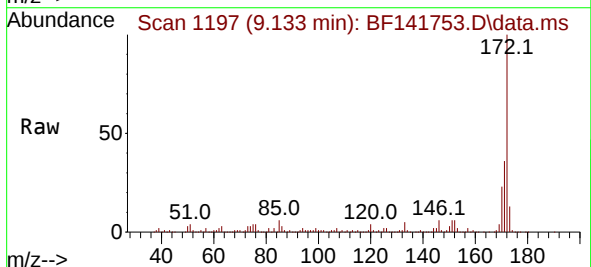


Tgt Ion:330 Resp: 87712
Ion Ratio Lower Upper
330 100
332 96.4 78.5 117.7
141 35.9 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 61.022 ng
RT: 9.133 min Scan# 1197
Delta R.T. -0.018 min
Lab File: BF141753.D
Acq: 24 Feb 2025 19:35

Tgt Ion:172 Resp: 417447
Ion Ratio Lower Upper
172 100
171 35.7 28.7 43.1
170 23.2 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141753.D

Acq: 24 Feb 2025 19:35

Instrument :

BNA_F

ClientSampleId :

HR-02-02212025

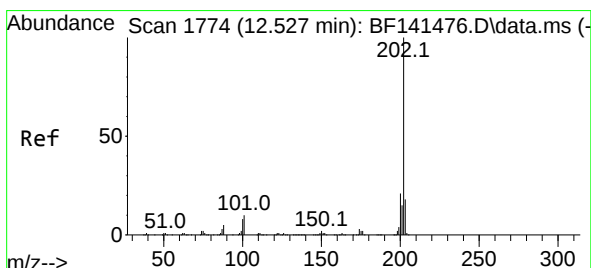
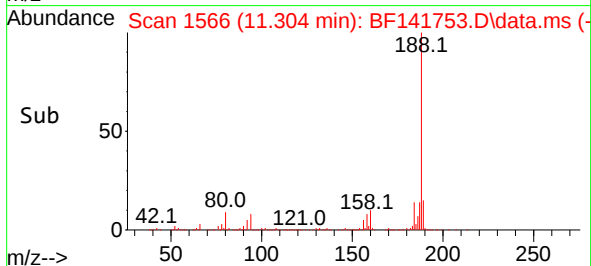
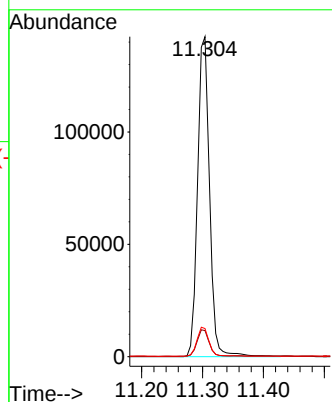
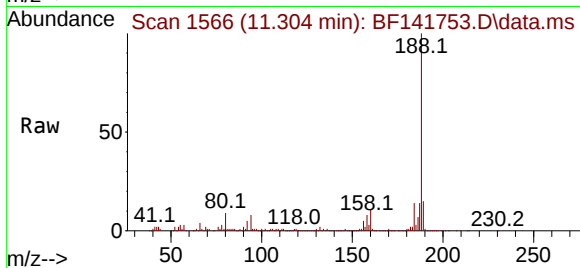
Tgt Ion:188 Resp: 194118

Ion Ratio Lower Upper

188 100

94 8.2 6.6 10.0

80 8.8 7.3 10.9



#75

Fluoranthene

Concen: 2.076 ng

RT: 12.516 min Scan# 1772

Delta R.T. -0.018 min

Lab File: BF141753.D

Acq: 24 Feb 2025 19:35

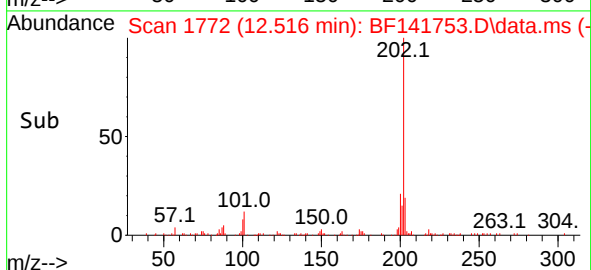
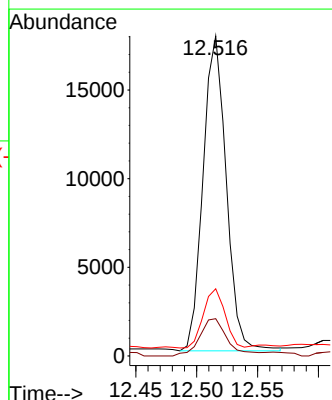
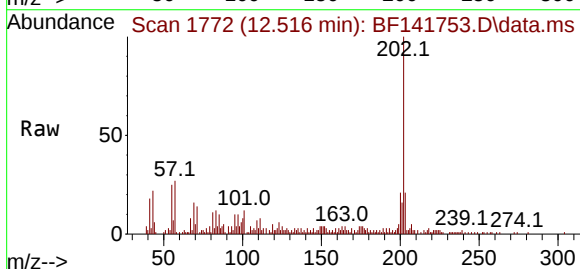
Tgt Ion:202 Resp: 23518

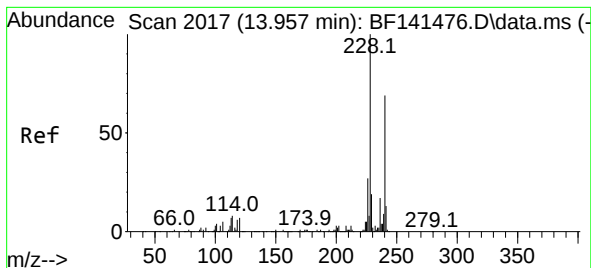
Ion Ratio Lower Upper

202 100

101 11.7 0.0 30.2

203 21.0 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 20

Delta R.T. -0.023 min

Lab File: BF141753.D

Acq: 24 Feb 2025 19:35

Instrument :

BNA_F

ClientSampleId :

HR-02-02212025

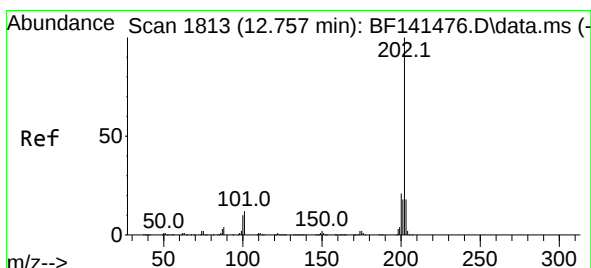
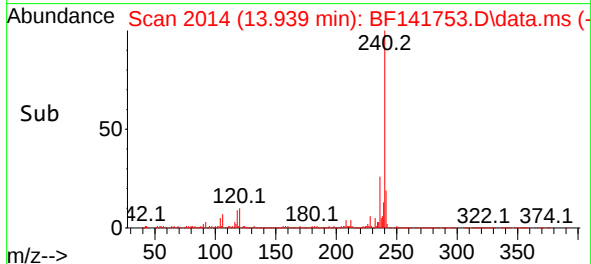
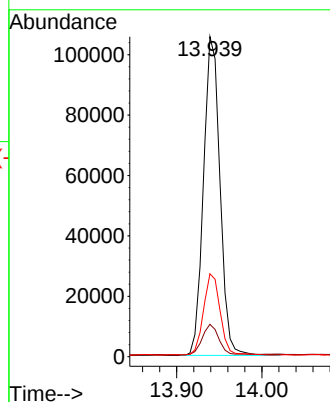
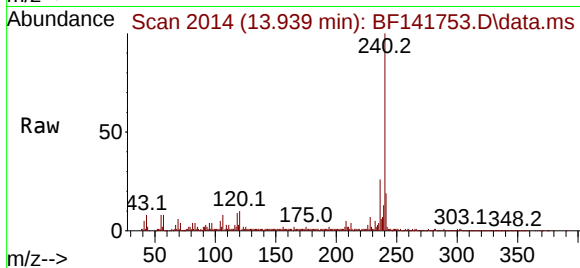
Tgt Ion:240 Resp: 142153

Ion Ratio Lower Upper

240 100

120 10.1 8.0 12.0

236 25.9 19.8 29.8



#78

Pyrene

Concen: 2.433 ng

RT: 12.745 min Scan# 1811

Delta R.T. -0.018 min

Lab File: BF141753.D

Acq: 24 Feb 2025 19:35

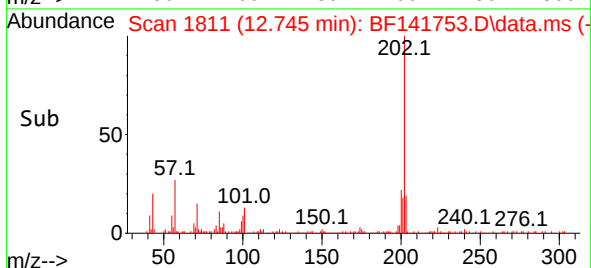
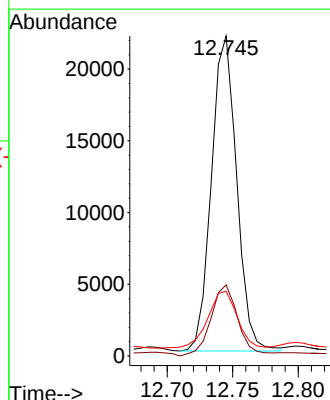
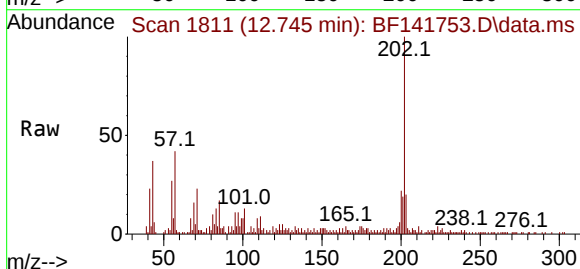
Tgt Ion:202 Resp: 29438

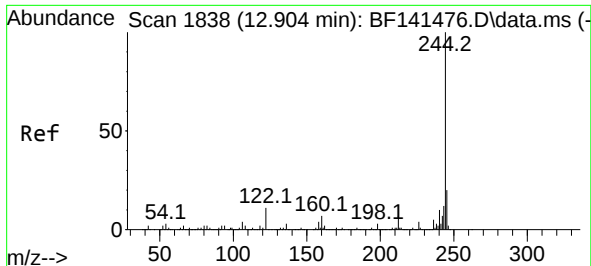
Ion Ratio Lower Upper

202 100

200 22.2 17.0 25.4

203 20.2 14.3 21.5

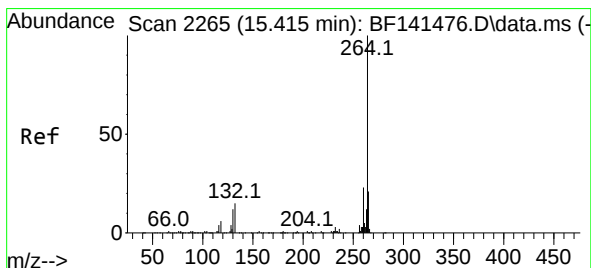
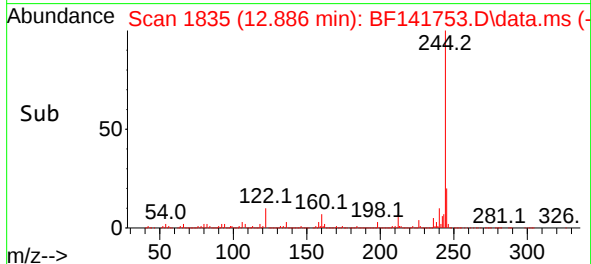
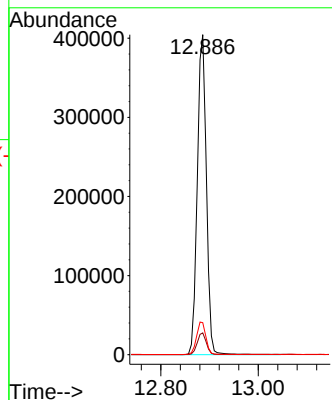
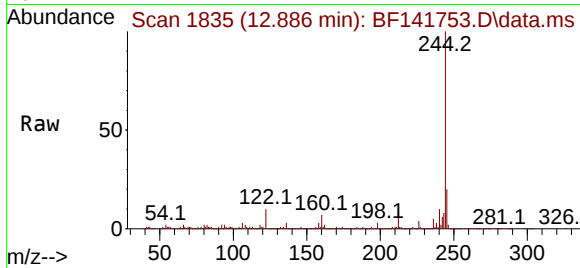




#79
 Terphenyl-d14
 Concen: 62.665 ng
 RT: 12.886 min Scan# 1835
 Delta R.T. -0.018 min
 Lab File: BF141753.D
 Acq: 24 Feb 2025 19:35

Instrument :
 BNA_F
 ClientSampleId :
 HR-02-02212025

Tgt Ion:244 Resp: 527672
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 10.0 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: BF141753.D
 Acq: 24 Feb 2025 19:35

Tgt Ion:264 Resp: 109307
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.6 28.0
 265 22.8 17.0 25.4

