

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022425\
 Data File : BF141735.D
 Acq On : 24 Feb 2025 10:22
 Operator : RC/JU
 Sample : PB166821BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166821BL

Quant Time: Feb 24 11:22:48 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	90718	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	368090	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	201154	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	342096	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	203723	20.000	ng	-0.02
86) Perylene-d12	15.380	264	169076	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	820907	141.865	ng	0.00
7) Phenol-d6	6.422	99	1010728	138.197	ng	-0.02
23) Nitrobenzene-d5	7.345	82	659421	93.440	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	273257	135.230	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	1263570	96.777	ng	-0.02
79) Terphenyl-d14	12.886	244	1352979	112.116	ng	-0.02

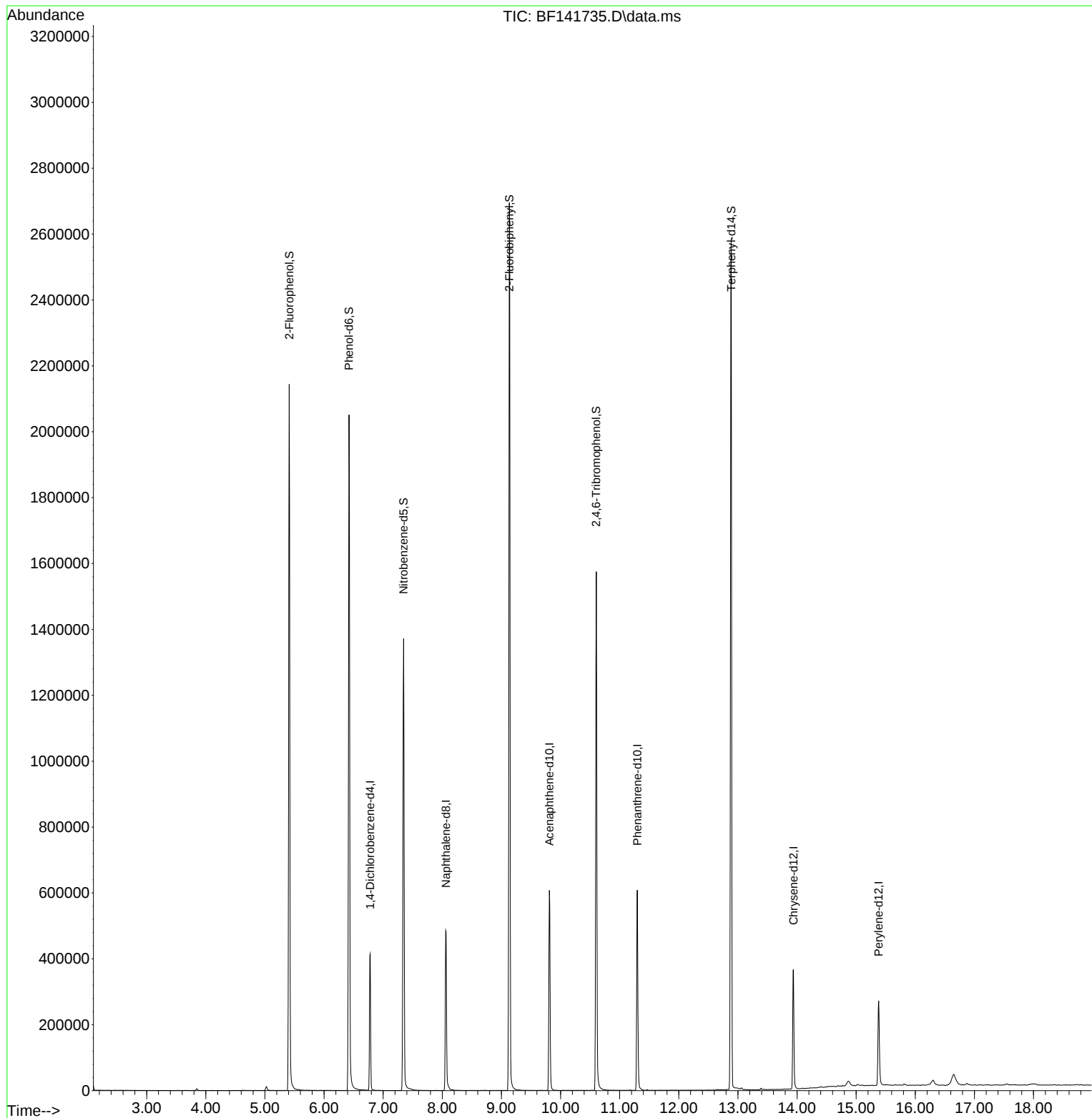
Target Compounds	Qvalue

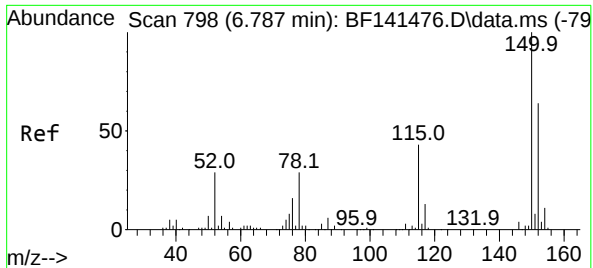
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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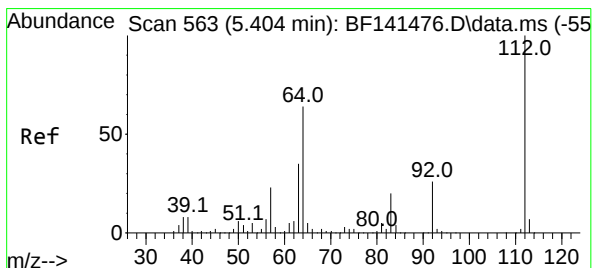
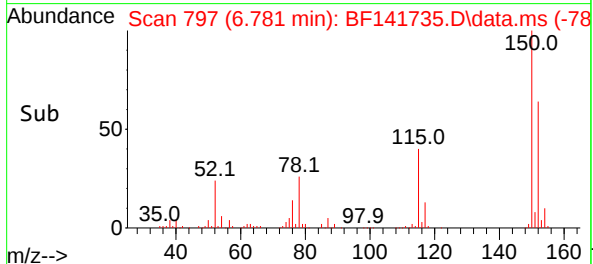
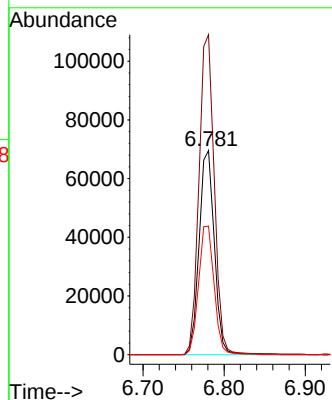
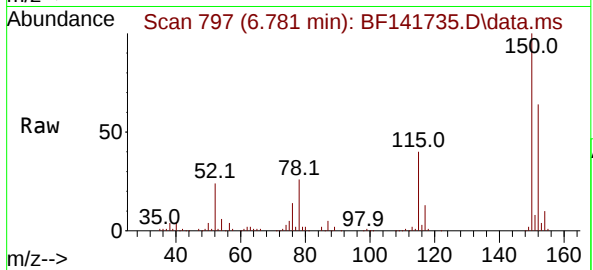




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 798
 Delta R.T. -0.011 min
 Lab File: BF141735.D
 Acq: 24 Feb 2025 10:22

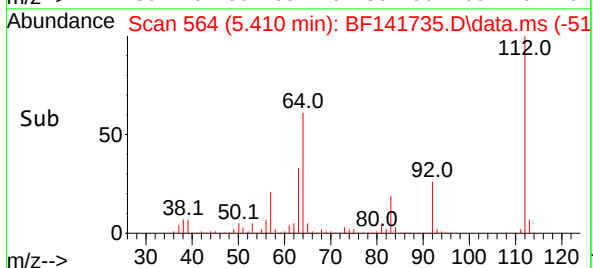
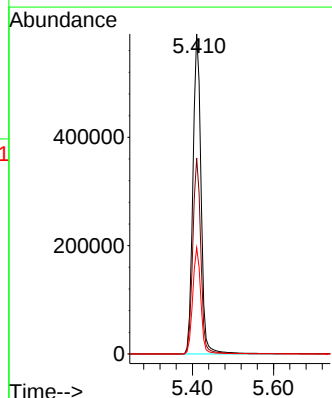
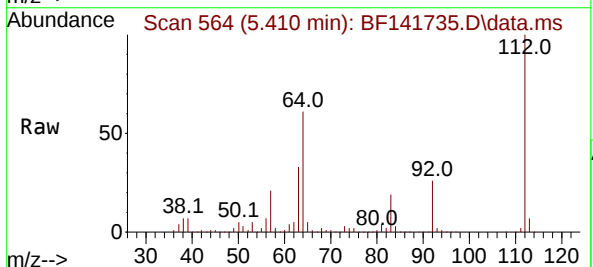
Instrument :
 BNA_F
 ClientSampleId :
 PB166821BL

Tgt Ion:152 Resp: 90718
 Ion Ratio Lower Upper
 152 100
 150 156.8 125.0 187.4
 115 63.0 53.6 80.4



#5
 2-Fluorophenol
 Concen: 141.865 ng
 RT: 5.410 min Scan# 564
 Delta R.T. 0.000 min
 Lab File: BF141735.D
 Acq: 24 Feb 2025 10:22

Tgt Ion:112 Resp: 820907
 Ion Ratio Lower Upper
 112 100
 64 61.2 51.1 76.7
 63 33.2 28.4 42.6





#7

Phenol-d6

Concen: 138.197 ng

RT: 6.422 min Scan# 71

Delta R.T. -0.017 min

Lab File: BF141735.D

Acq: 24 Feb 2025 10:22

Instrument :

BNA_F

ClientSampleId :

PB166821BL

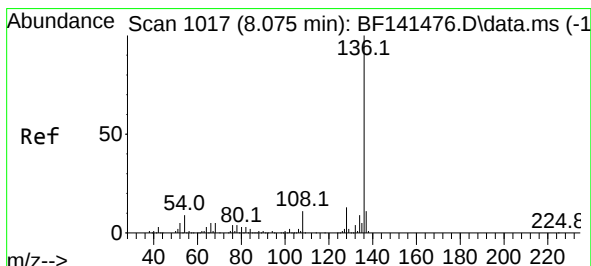
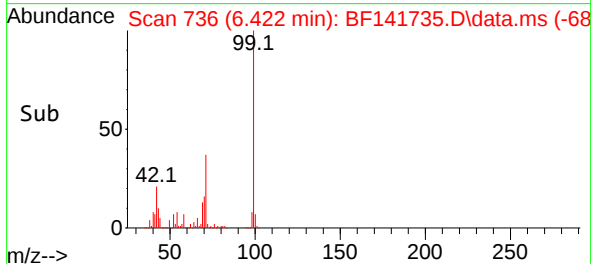
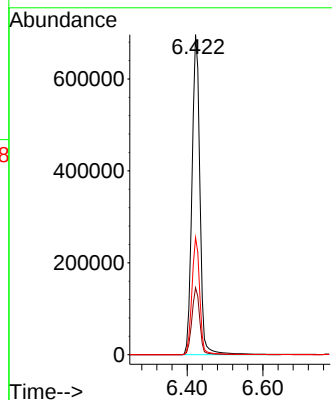
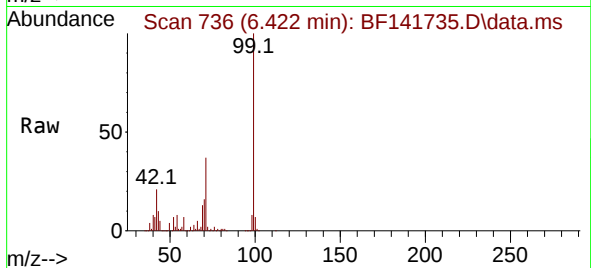
Tgt Ion: 99 Resp: 1010728

Ion Ratio Lower Upper

99 100

42 20.9 19.1 28.7

71 36.6 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: BF141735.D

Acq: 24 Feb 2025 10:22

Tgt Ion: 136 Resp: 368090

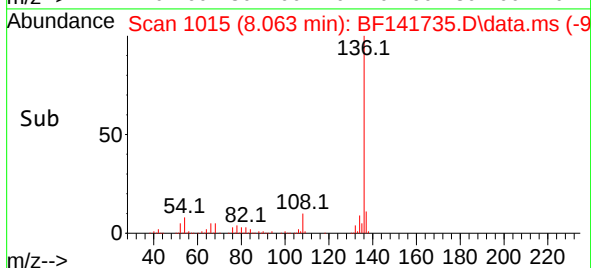
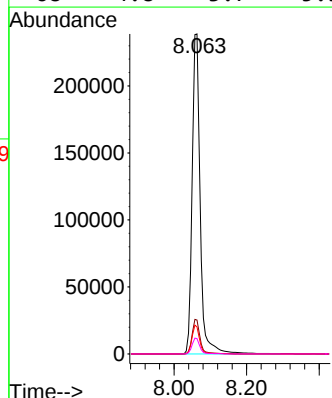
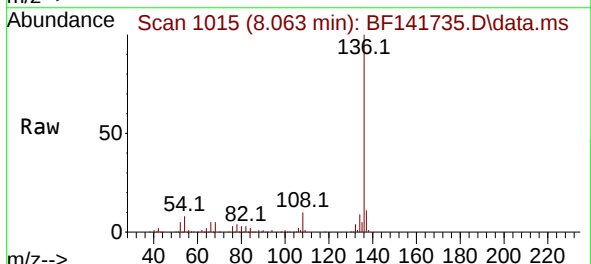
Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 8.5 7.2 10.8

68 4.8 3.7 5.5





#23

Nitrobenzene-d5

Concen: 93.440 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.017 min

Lab File: BF141735.D

Acq: 24 Feb 2025 10:22

Instrument :

BNA_F

ClientSampleId :

PB166821BL

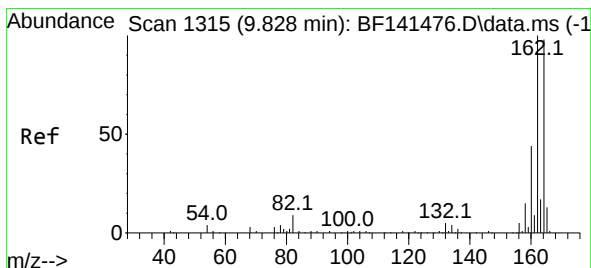
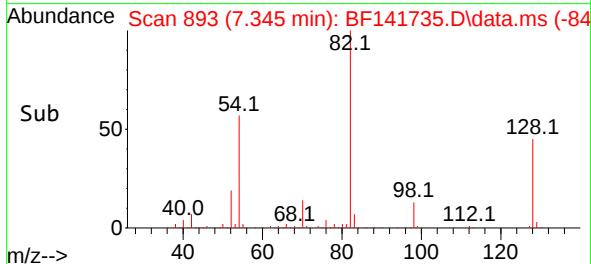
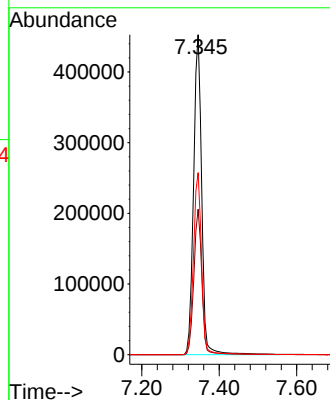
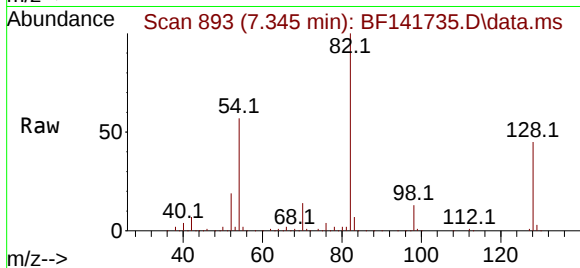
Tgt Ion: 82 Resp: 659421

Ion Ratio Lower Upper

82 100

128 45.5 34.8 52.2

54 56.9 48.2 72.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.810 min Scan# 1312

Delta R.T. -0.023 min

Lab File: BF141735.D

Acq: 24 Feb 2025 10:22

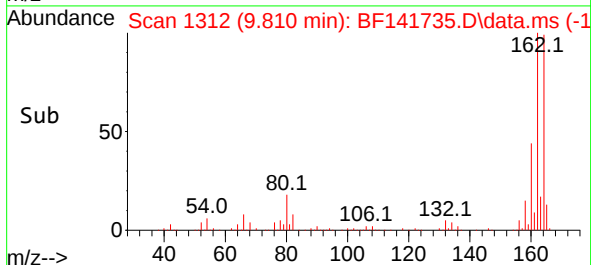
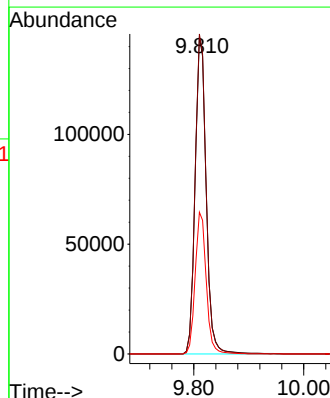
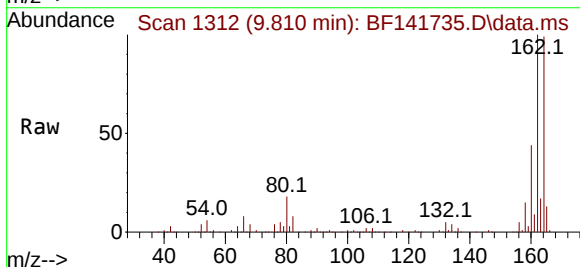
Tgt Ion:164 Resp: 201154

Ion Ratio Lower Upper

164 100

162 100.8 81.3 121.9

160 44.7 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 135.230 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.023 min

Lab File: BF141735.D

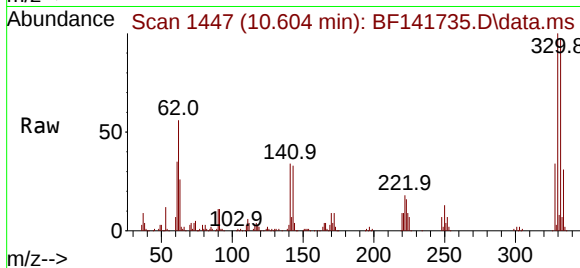
Acq: 24 Feb 2025 10:22

Instrument :

BNA_F

ClientSampleId :

PB166821BL



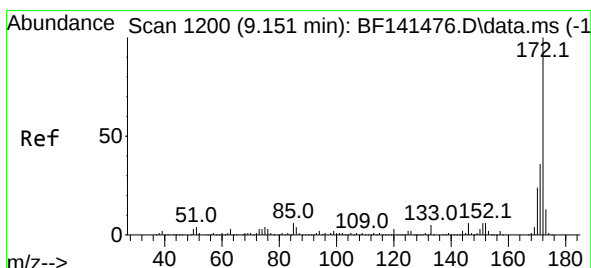
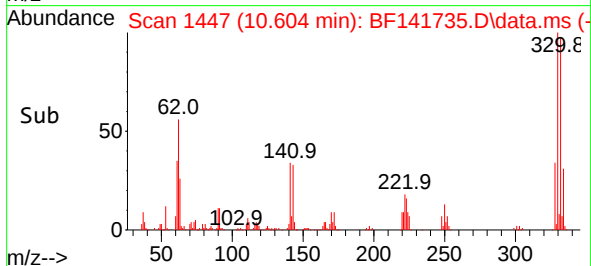
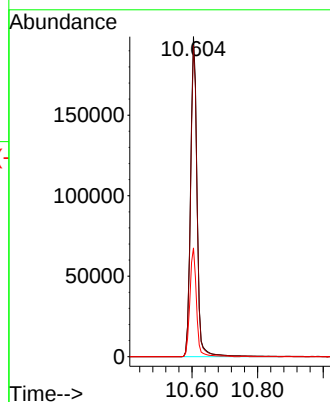
Tgt Ion:330 Resp: 273257

Ion Ratio Lower Upper

330 100

332 97.0 78.5 117.7

141 34.3 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 96.777 ng

RT: 9.134 min Scan# 1197

Delta R.T. -0.017 min

Lab File: BF141735.D

Acq: 24 Feb 2025 10:22

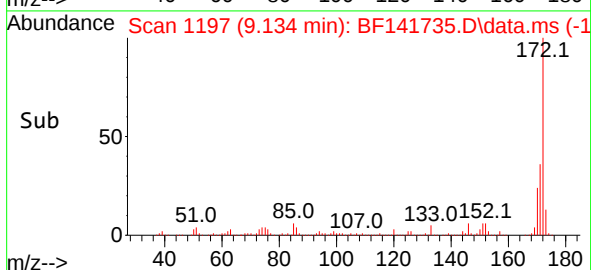
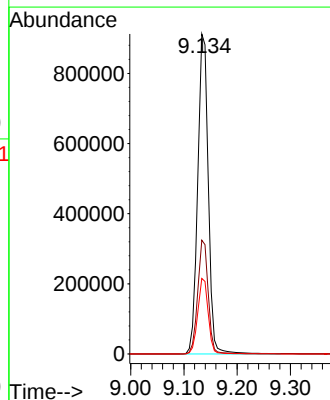
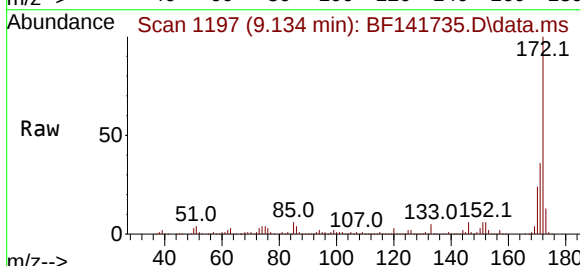
Tgt Ion:172 Resp: 1263570

Ion Ratio Lower Upper

172 100

171 35.6 28.7 43.1

170 23.6 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 1

Delta R.T. -0.017 min

Lab File: BF141735.D

Acq: 24 Feb 2025 10:22

Instrument :

BNA_F

ClientSampleId :

PB166821BL

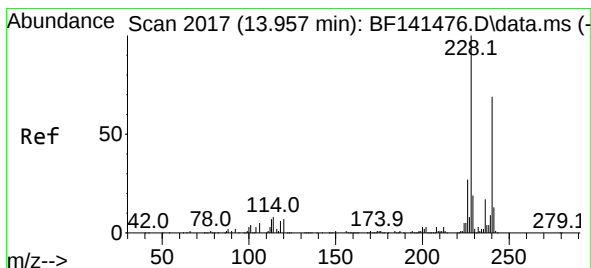
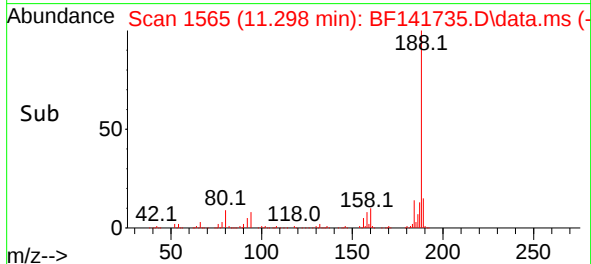
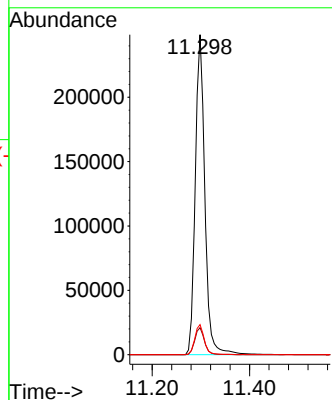
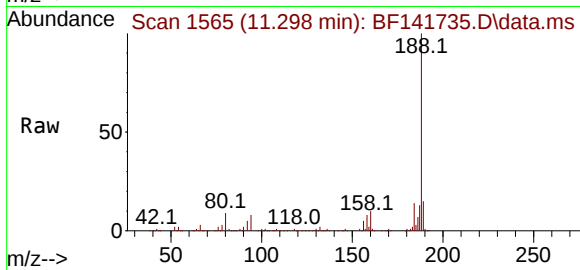
Tgt Ion:188 Resp: 342096

Ion Ratio Lower Upper

188 100

94 8.4 6.6 10.0

80 9.4 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: BF141735.D

Acq: 24 Feb 2025 10:22

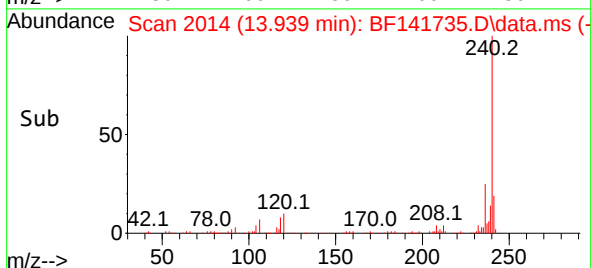
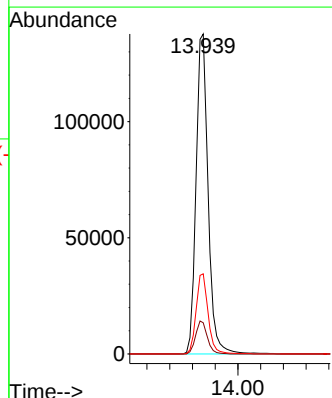
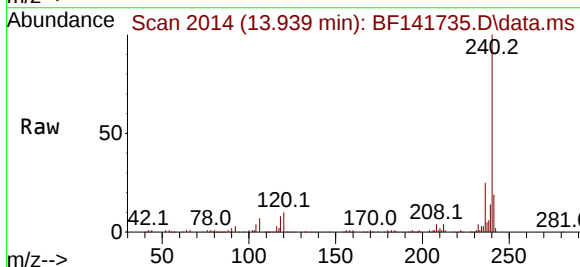
Tgt Ion:240 Resp: 203723

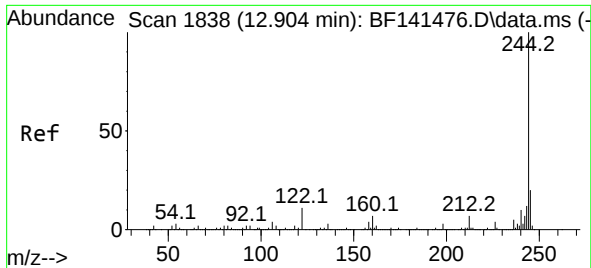
Ion Ratio Lower Upper

240 100

120 9.7 8.0 12.0

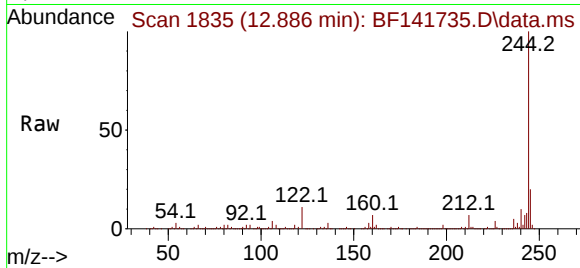
236 25.1 19.8 29.8



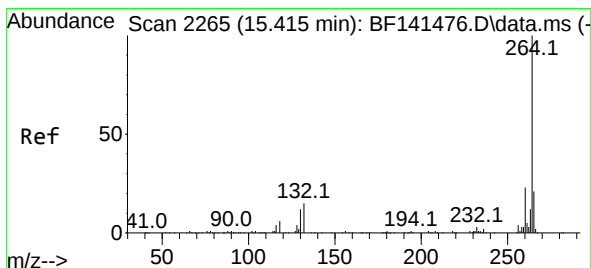
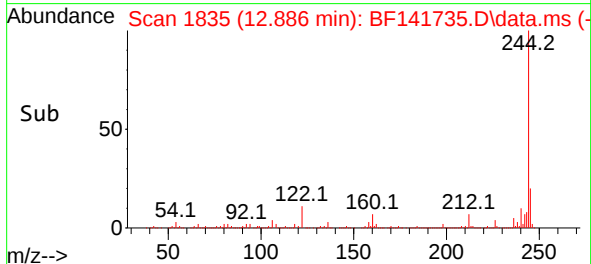
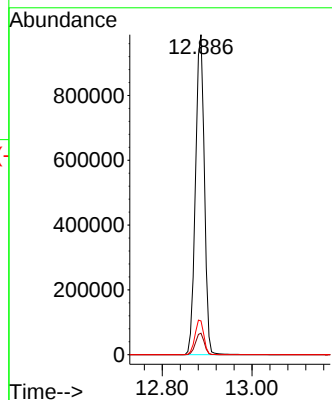


#79
 Terphenyl-d14
 Concen: 112.116 ng
 RT: 12.886 min Scan# 11
 Delta R.T. -0.017 min
 Lab File: BF141735.D
 Acq: 24 Feb 2025 10:22

Instrument :
 BNA_F
 ClientSampleId :
 PB166821BL



Tgt Ion:244 Resp: 1352979
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 10.6 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.380 min Scan# 2259
 Delta R.T. -0.035 min
 Lab File: BF141735.D
 Acq: 24 Feb 2025 10:22

Tgt Ion:264 Resp: 169076
 Ion Ratio Lower Upper
 264 100
 260 22.4 18.6 28.0
 265 21.4 17.0 25.4

