

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141404.D
 Acq On : 04 Feb 2025 13:21
 Operator : RC/JU
 Sample : PB166360BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166360BL

Quant Time: Feb 04 13:57:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	87808	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	356027	20.000	ng	-0.02
39) Acenaphthene-d10	9.827	164	197186	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	341529	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	264448	20.000	ng	-0.02
86) Perylene-d12	15.409	264	208461	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	841178	147.068	ng	0.00
7) Phenol-d6	6.428	99	1034463	142.172	ng	-0.01
23) Nitrobenzene-d5	7.351	82	684826	101.401	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	285932	158.171	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1280476	99.951	ng	-0.01
79) Terphenyl-d14	12.904	244	1599284	93.266	ng	-0.01

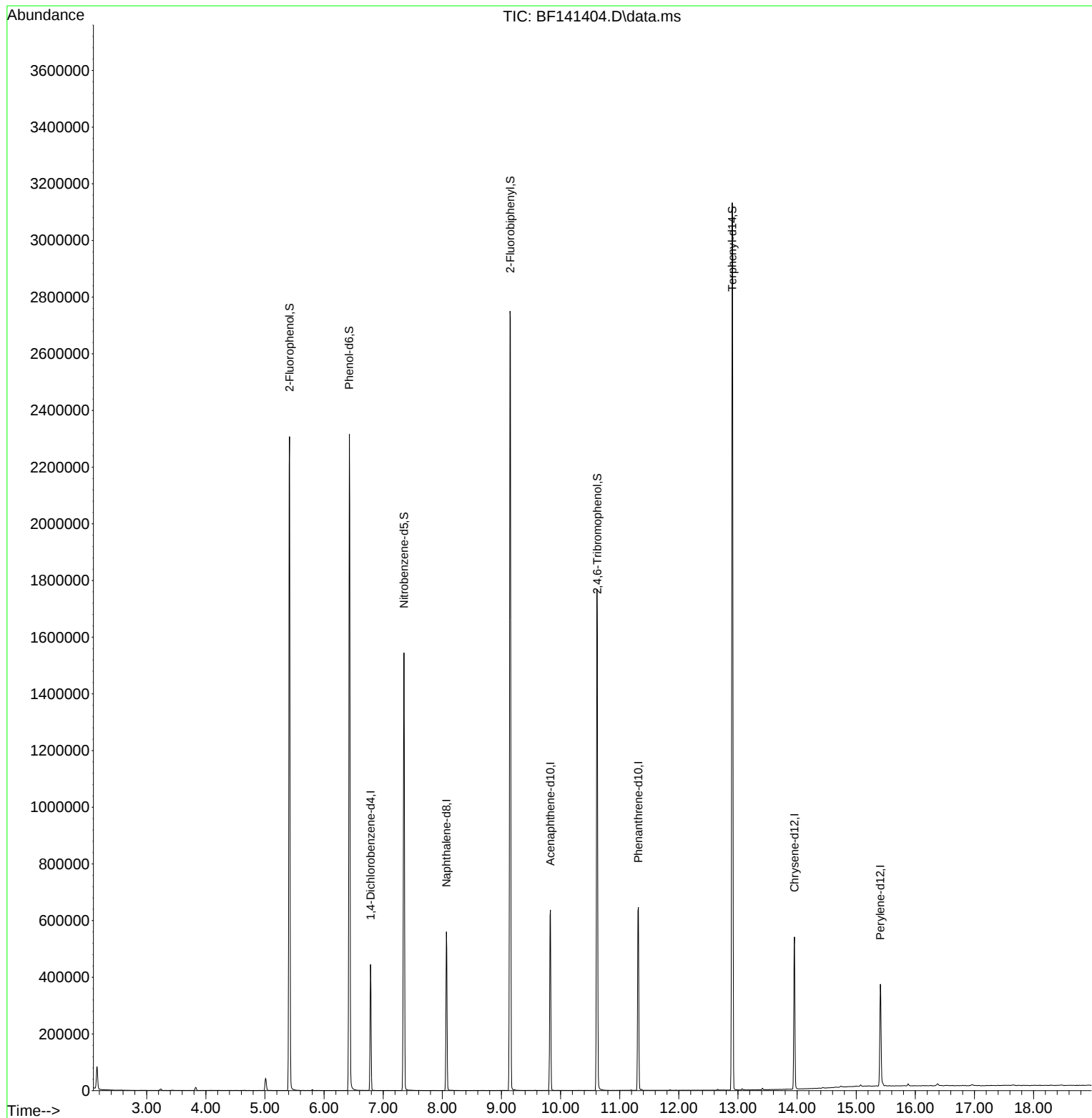
Target Compounds	Qvalue

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

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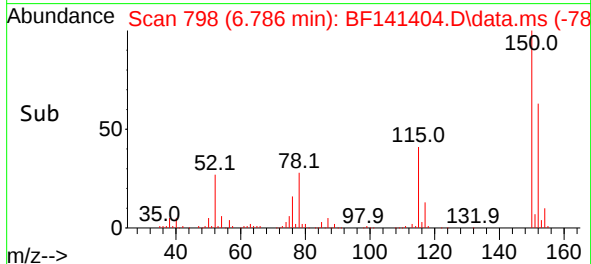
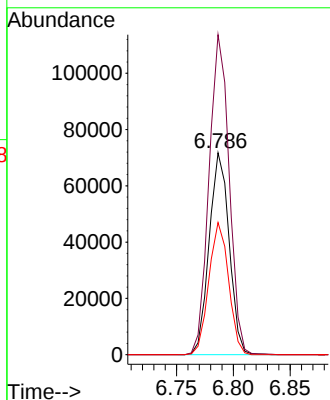
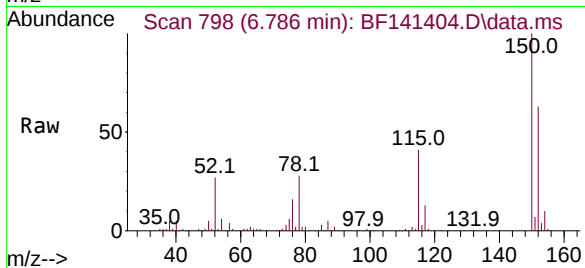




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.786 min Scan# 79
Delta R.T. -0.018 min
Lab File: BF141404.D
Acq: 04 Feb 2025 13:21

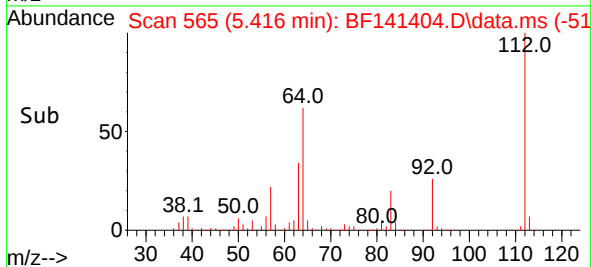
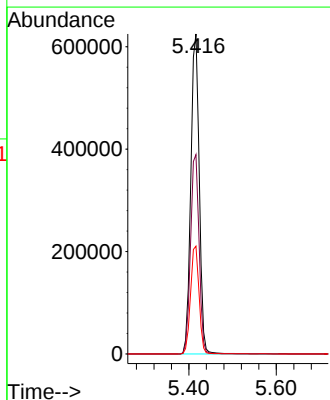
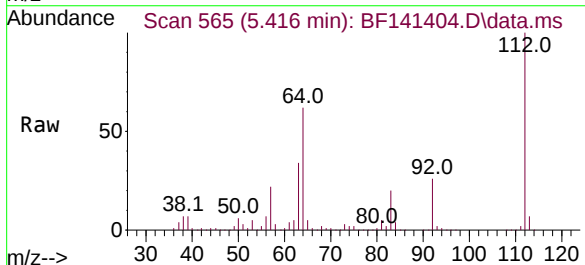
Instrument :
BNA_F
ClientSampleId :
PB166360BL

Tgt Ion:152 Resp: 87808
Ion Ratio Lower Upper
152 100
150 158.5 125.9 188.9
115 65.5 49.7 74.5



#5
2-Fluorophenol
Concen: 147.068 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141404.D
Acq: 04 Feb 2025 13:21

Tgt Ion:112 Resp: 841178
Ion Ratio Lower Upper
112 100
64 62.3 49.8 74.8
63 33.7 26.1 39.1

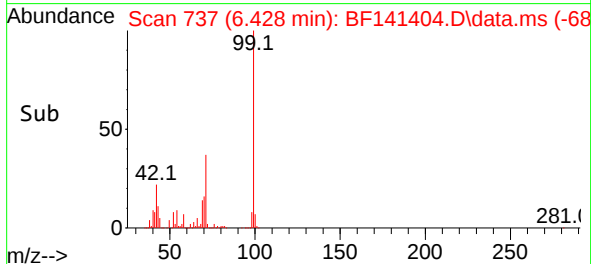
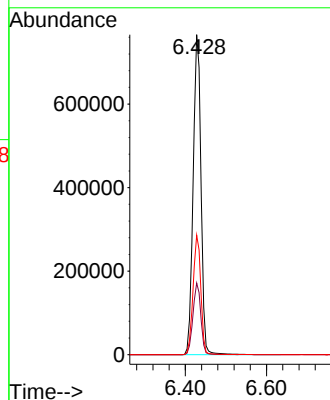
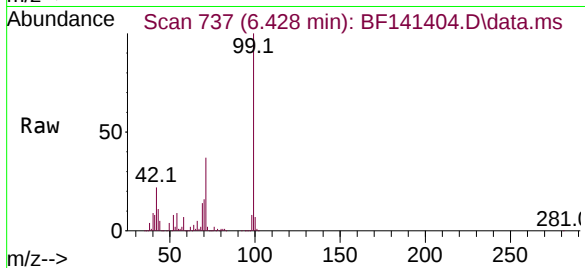




#7
Phenol-d6
Concen: 142.172 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141404.D
Acq: 04 Feb 2025 13:21

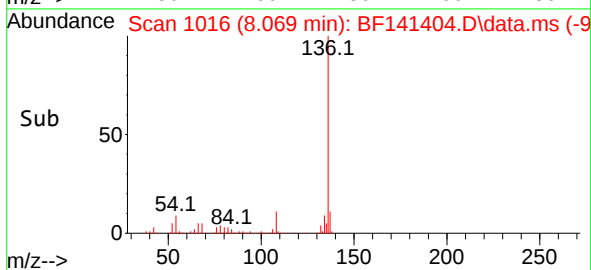
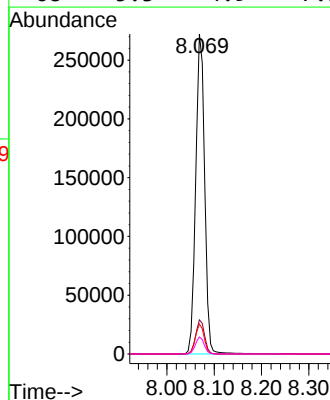
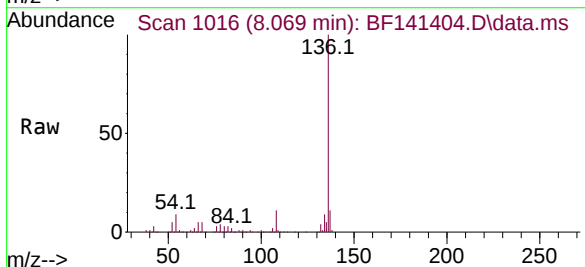
Instrument :
BNA_F
ClientSampleId :
PB166360BL

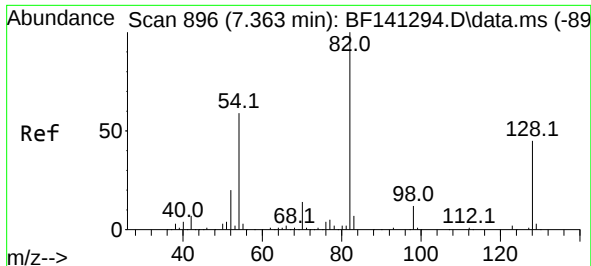
Tgt Ion: 99 Resp: 1034463
Ion Ratio Lower Upper
99 100
42 22.4 17.1 25.7
71 37.3 26.9 40.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141404.D
Acq: 04 Feb 2025 13:21

Tgt Ion:136 Resp: 356027
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 9.4 7.8 11.8
68 5.3 4.9 7.3





#23

Nitrobenzene-d5

Concen: 101.401 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.018 min

Lab File: BF141404.D

Acq: 04 Feb 2025 13:21

Instrument :

BNA_F

ClientSampleId :

PB166360BL

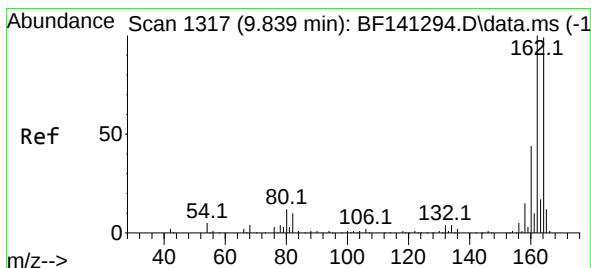
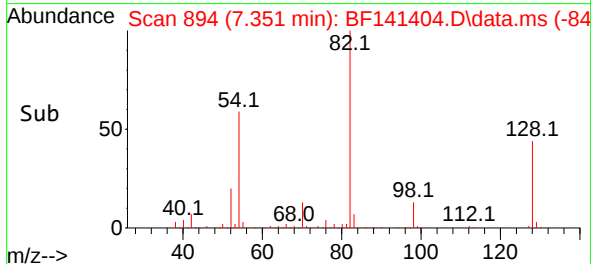
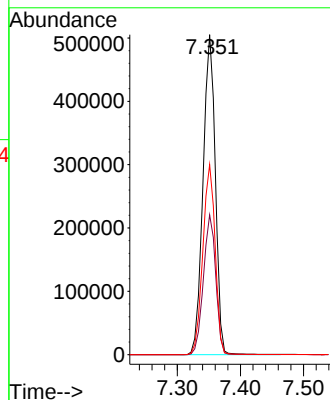
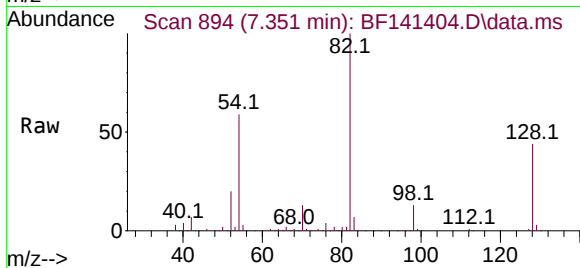
Tgt Ion: 82 Resp: 684826

Ion Ratio Lower Upper

82 100

128 43.7 35.7 53.5

54 59.4 47.1 70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.827 min Scan# 1315

Delta R.T. -0.012 min

Lab File: BF141404.D

Acq: 04 Feb 2025 13:21

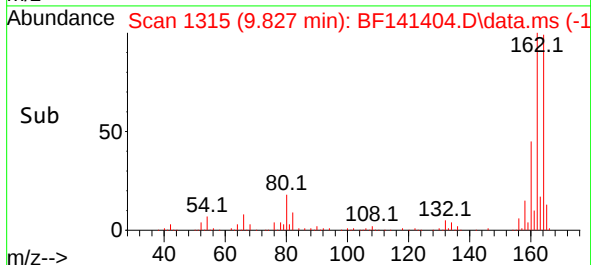
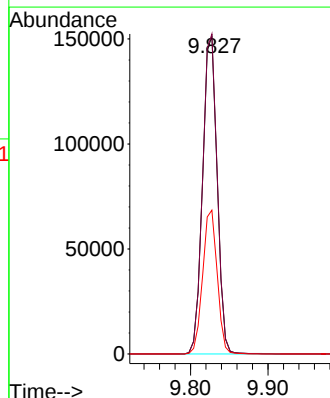
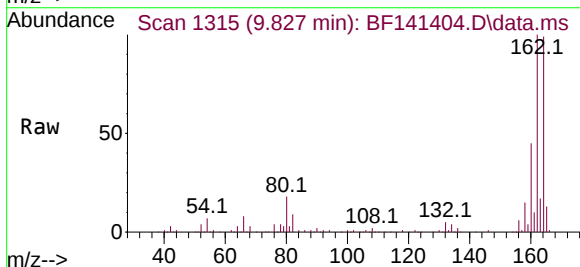
Tgt Ion:164 Resp: 197186

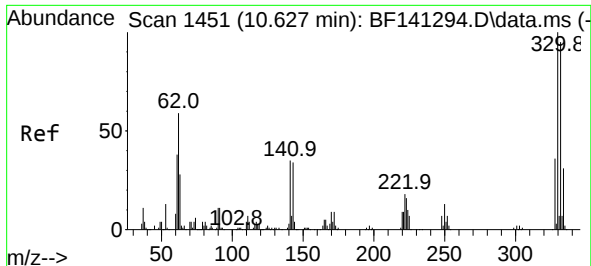
Ion Ratio Lower Upper

164 100

162 100.8 80.6 121.0

160 45.3 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 158.171 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF141404.D

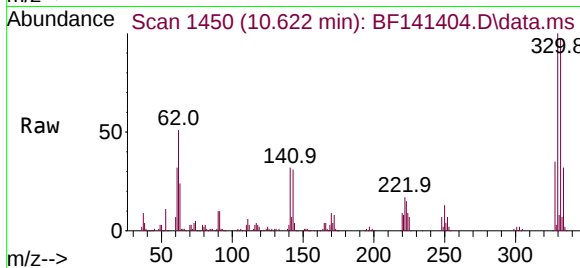
Acq: 04 Feb 2025 13:21

Instrument :

BNA_F

ClientSampleId :

PB166360BL



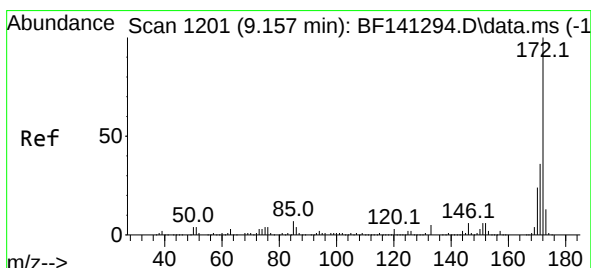
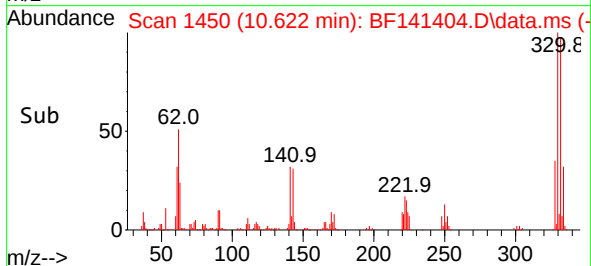
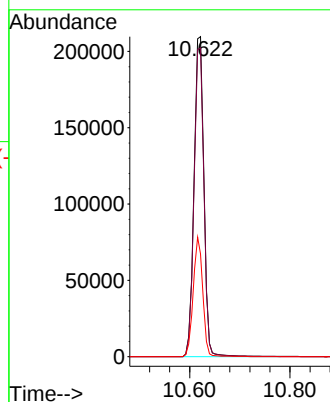
Tgt Ion:330 Resp: 285932

Ion Ratio Lower Upper

330 100

332 96.3 76.1 114.1

141 36.0 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 99.951 ng

RT: 9.151 min Scan# 1200

Delta R.T. -0.012 min

Lab File: BF141404.D

Acq: 04 Feb 2025 13:21

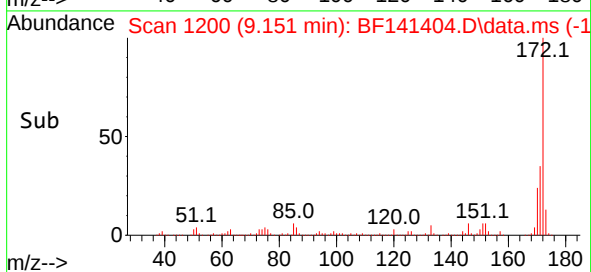
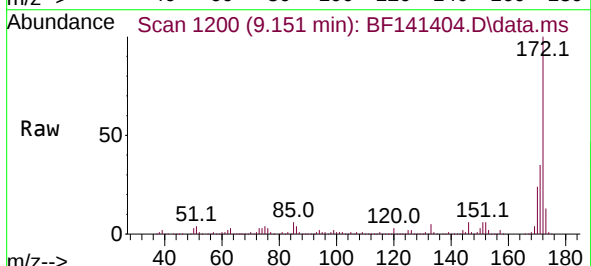
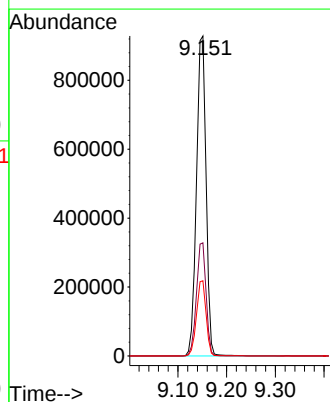
Tgt Ion:172 Resp: 1280476

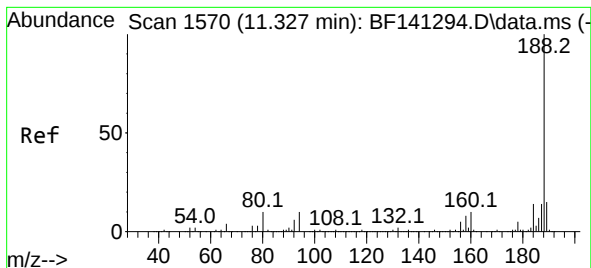
Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 23.5 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141404.D

Acq: 04 Feb 2025 13:21

Instrument :

BNA_F

ClientSampleId :

PB166360BL

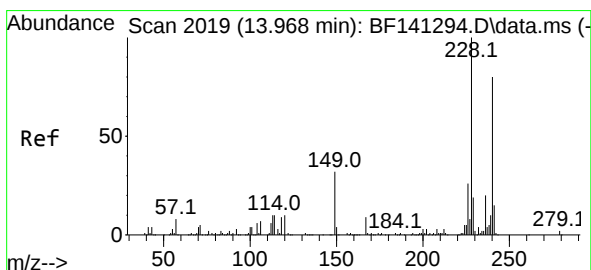
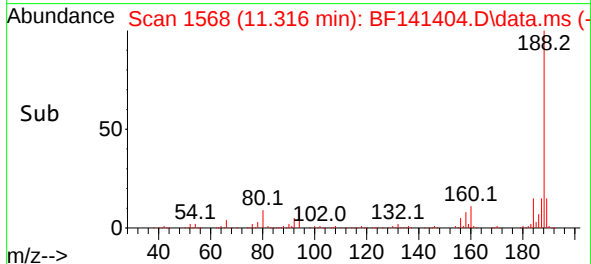
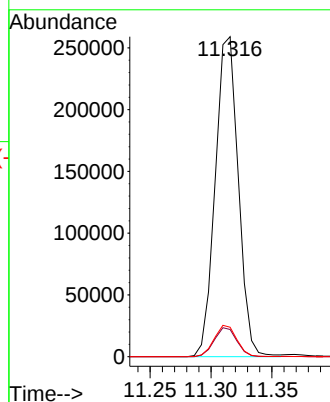
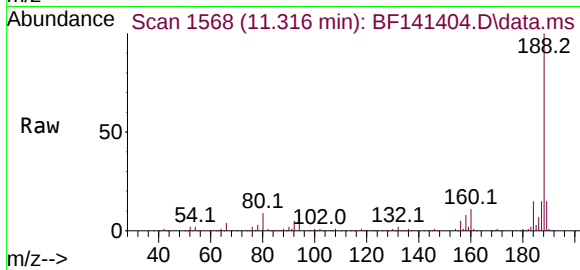
Tgt Ion:188 Resp: 341529

Ion Ratio Lower Upper

188 100

94 8.5 7.8 11.6

80 9.2 8.2 12.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 2017

Delta R.T. -0.018 min

Lab File: BF141404.D

Acq: 04 Feb 2025 13:21

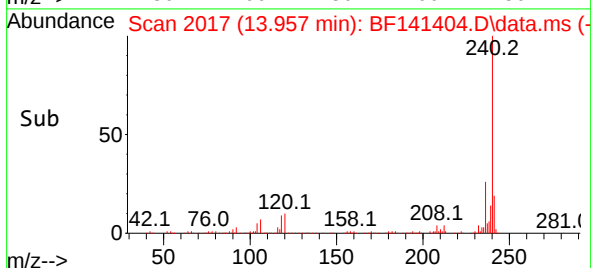
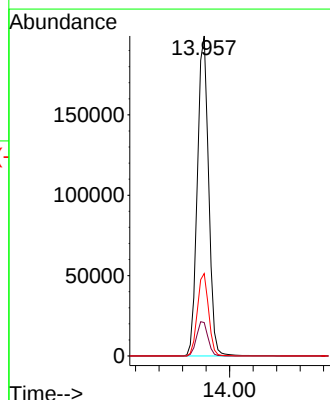
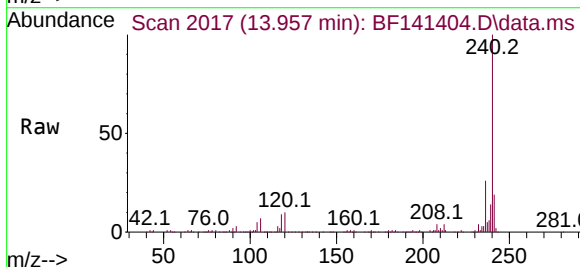
Tgt Ion:240 Resp: 264448

Ion Ratio Lower Upper

240 100

120 10.4 10.0 15.0

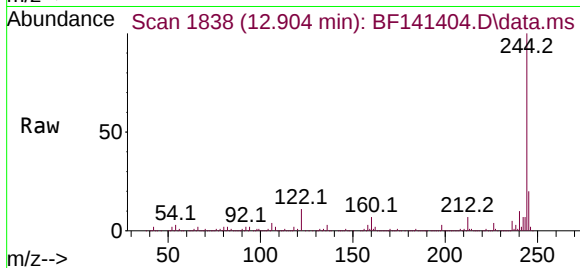
236 25.7 19.7 29.5



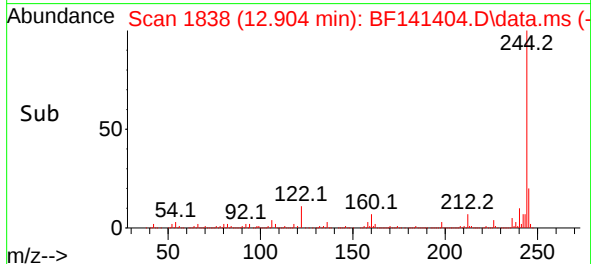
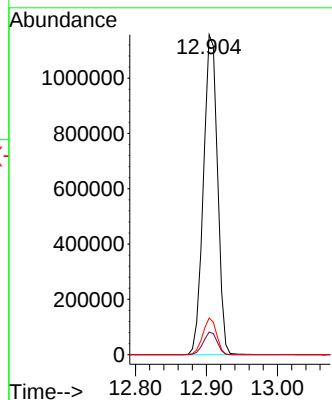


#79
Terphenyl-d14
Concen: 93.266 ng
RT: 12.904 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141404.D
Acq: 04 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
PB166360BL



Tgt Ion:244 Resp: 1599284
Ion Ratio Lower Upper
244 100
212 7.1 5.4 8.0
122 11.5 8.8 13.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.409 min Scan# 2264
Delta R.T. -0.030 min
Lab File: BF141404.D
Acq: 04 Feb 2025 13:21

Tgt Ion:264 Resp: 208461
Ion Ratio Lower Upper
264 100
260 23.9 18.6 27.8
265 21.2 16.7 25.1

