

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141406.D
 Acq On : 04 Feb 2025 14:13
 Operator : RC/JU
 Sample : PB166356TB
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166356TB

Quant Time: Feb 04 14:35:20 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	6.787	152	94457	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	389015	20.000	ng	-0.02
39) Acenaphthene-d10	9.828	164	210477	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	363737	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	282057	20.000	ng	-0.02
86) Perylene-d12	15.421	264	223254	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	775752	126.082	ng	0.00
7) Phenol-d6	6.428	99	960023	122.654	ng	-0.01
23) Nitrobenzene-d5	7.351	82	638025	86.461	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	261673	135.611	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	1179184	86.232	ng	-0.02
79) Terphenyl-d14	12.904	244	1465153	80.109	ng	-0.01

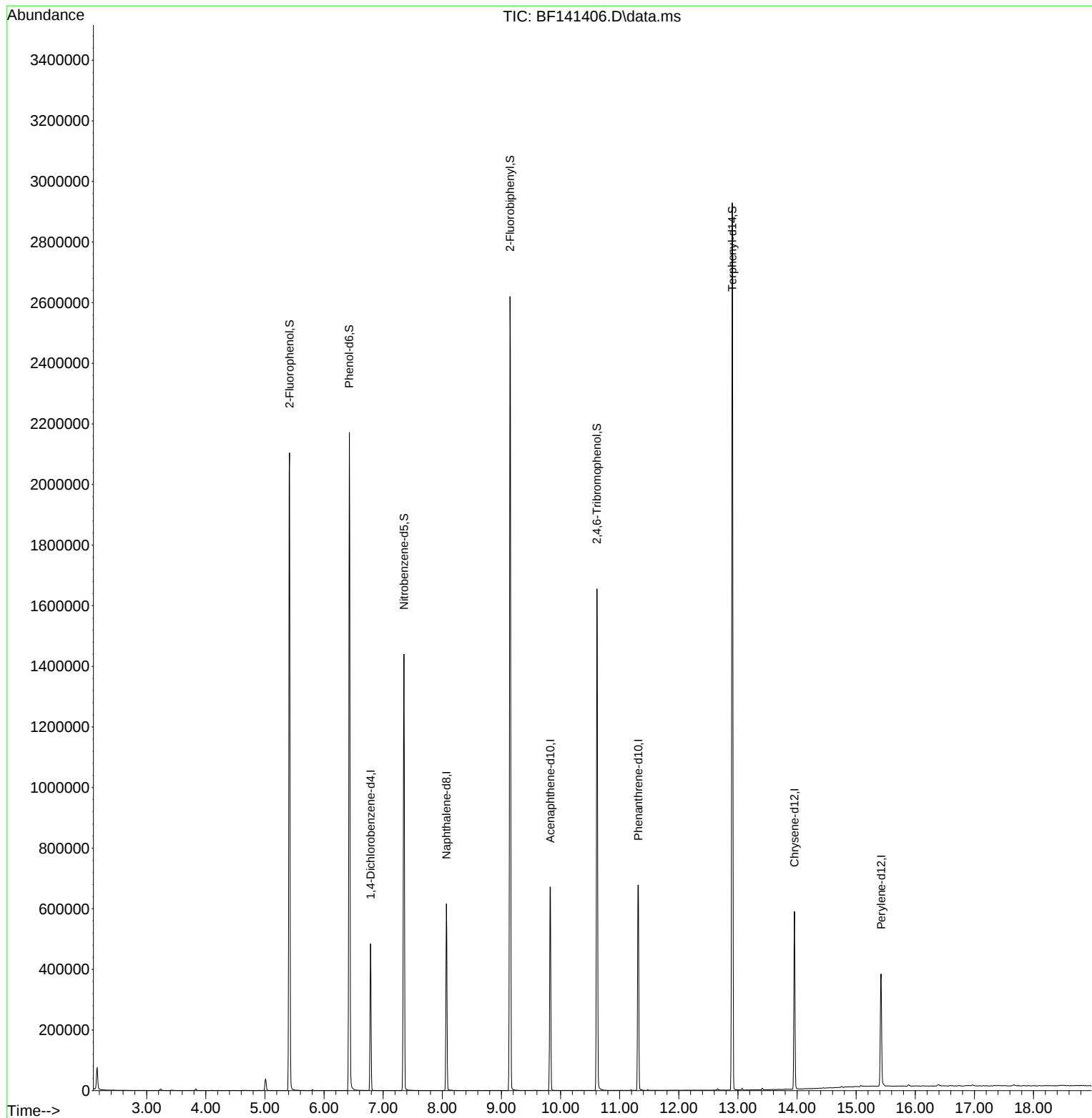
Target Compounds	Qvalue

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

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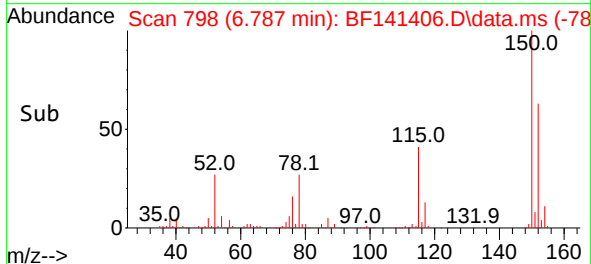
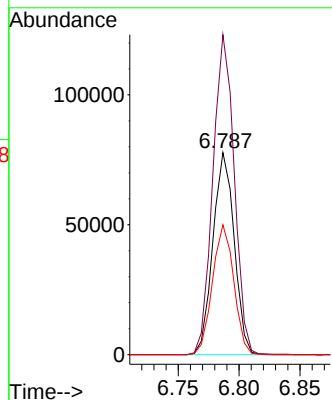
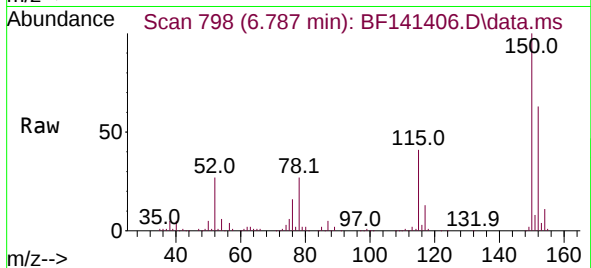




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.017 min
Lab File: BF141406.D
Acq: 04 Feb 2025 14:13

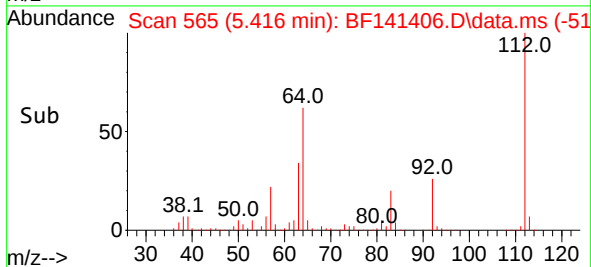
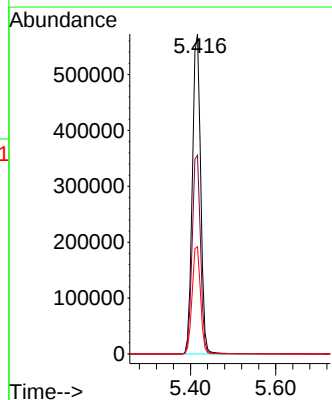
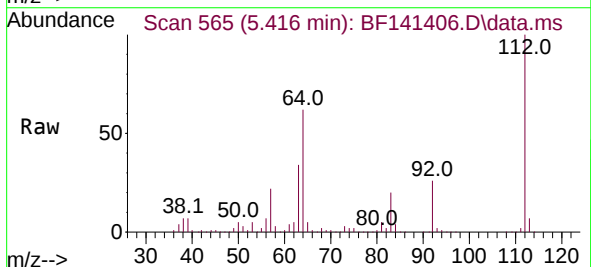
Instrument :
BNA_F
ClientSampleId :
PB166356TB

Tgt Ion:152 Resp: 94457
Ion Ratio Lower Upper
152 100
150 158.3 125.9 188.9
115 64.2 49.7 74.5



#5
2-Fluorophenol
Concen: 126.082 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141406.D
Acq: 04 Feb 2025 14:13

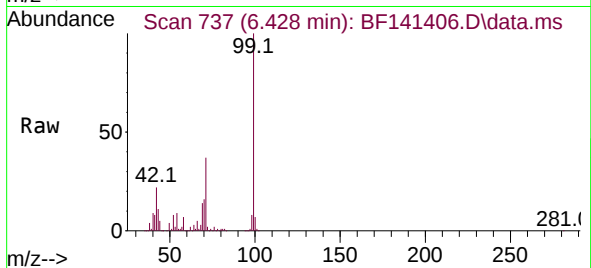
Tgt Ion:112 Resp: 775752
Ion Ratio Lower Upper
112 100
64 62.1 49.8 74.8
63 33.5 26.1 39.1



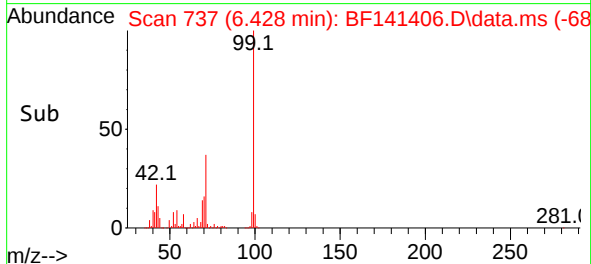
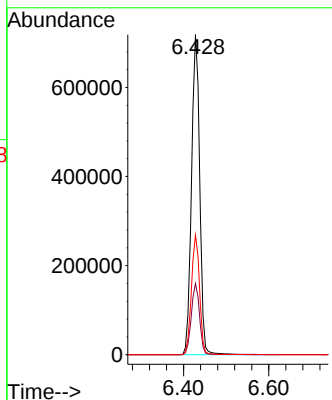


#7
Phenol-d6
Concen: 122.654 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141406.D
Acq: 04 Feb 2025 14:13

Instrument :
BNA_F
ClientSampleId :
PB166356TB

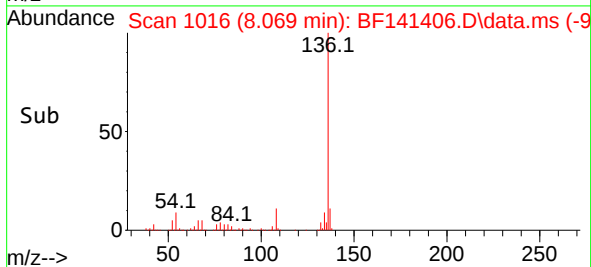
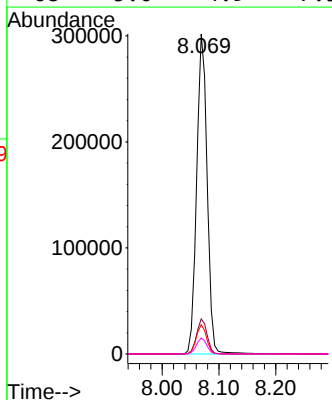
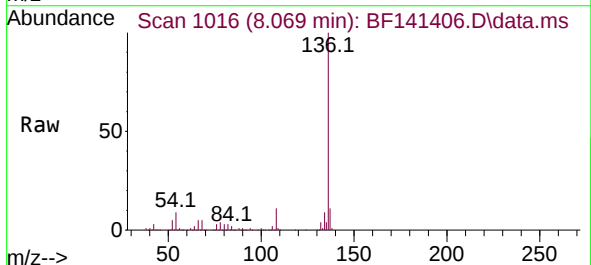


Tgt Ion: 99 Resp: 960023
Ion Ratio Lower Upper
99 100
42 22.3 17.1 25.7
71 37.4 26.9 40.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141406.D
Acq: 04 Feb 2025 14:13

Tgt Ion: 136 Resp: 389015
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.2 7.8 11.8
68 5.0 4.9 7.3





#23

Nitrobenzene-d5

Concen: 86.461 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF141406.D

Acq: 04 Feb 2025 14:13

Instrument :

BNA_F

ClientSampleId :

PB166356TB

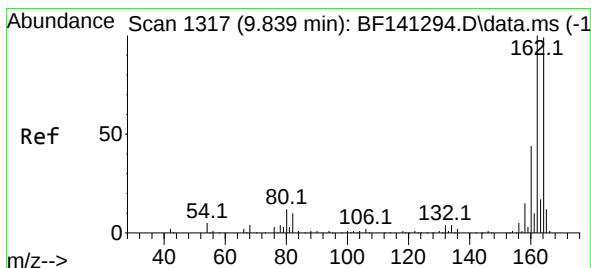
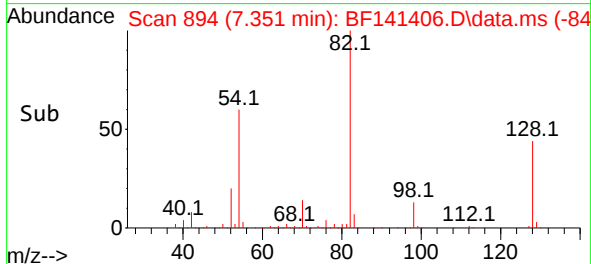
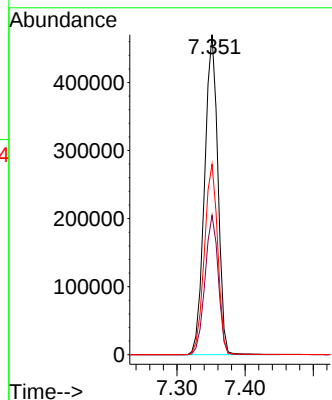
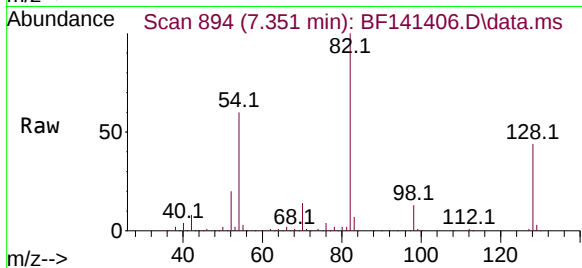
Tgt Ion: 82 Resp: 638025

Ion Ratio Lower Upper

82 100

128 43.6 35.7 53.5

54 59.5 47.1 70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1315

Delta R.T. -0.012 min

Lab File: BF141406.D

Acq: 04 Feb 2025 14:13

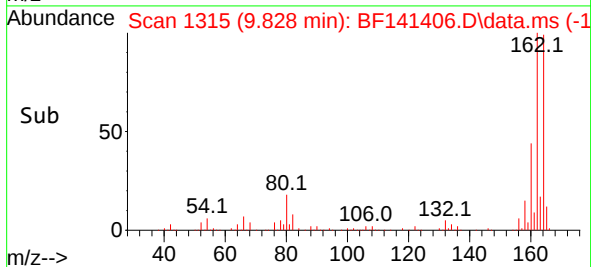
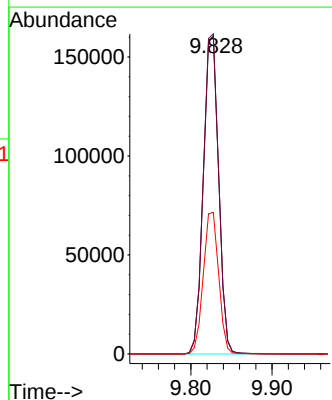
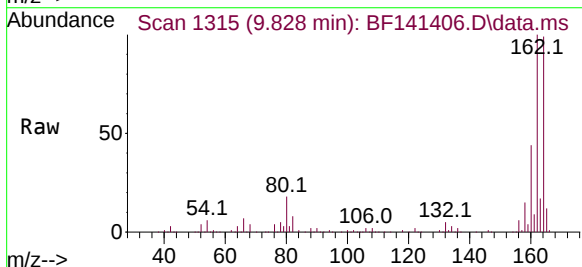
Tgt Ion:164 Resp: 210477

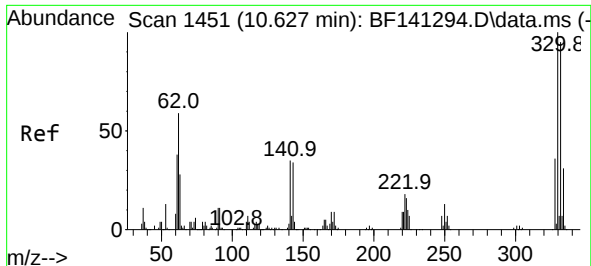
Ion Ratio Lower Upper

164 100

162 100.7 80.6 121.0

160 44.6 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 135.611 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.018 min

Lab File: BF141406.D

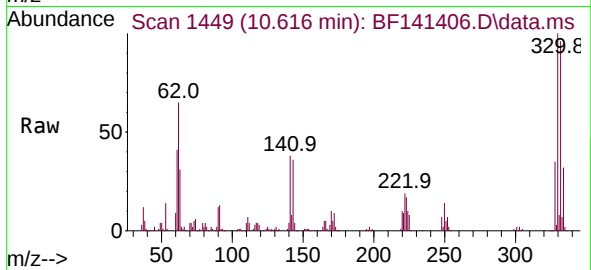
Acq: 04 Feb 2025 14:13

Instrument :

BNA_F

ClientSampleId :

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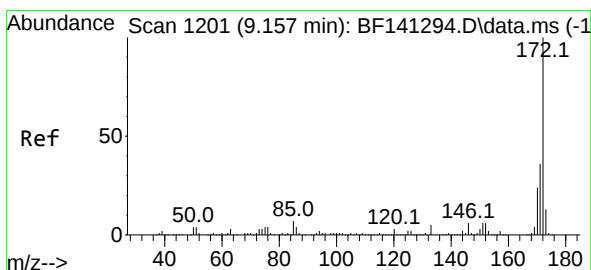
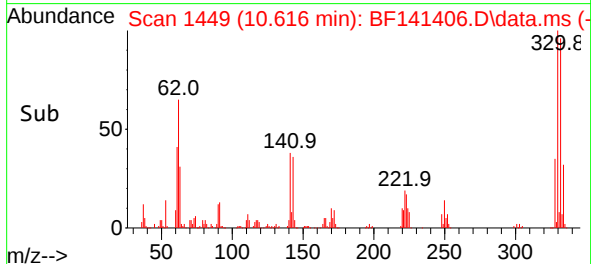
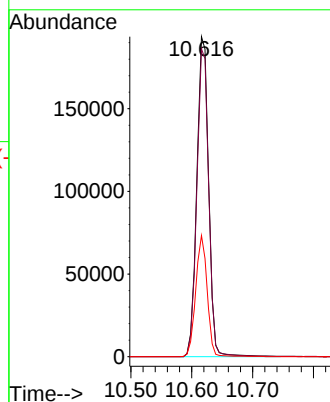
Tgt Ion:330 Resp: 261673

Ion Ratio Lower Upper

330 100

332 96.4 76.1 114.1

141 36.7 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 86.232 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.018 min

Lab File: BF141406.D

Acq: 04 Feb 2025 14:13

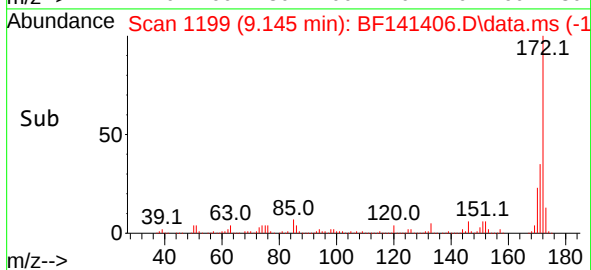
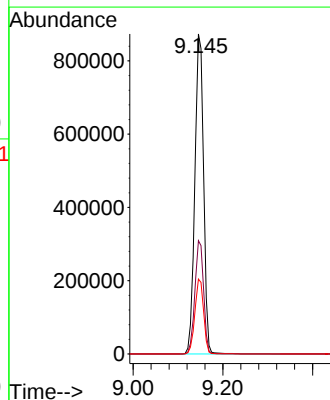
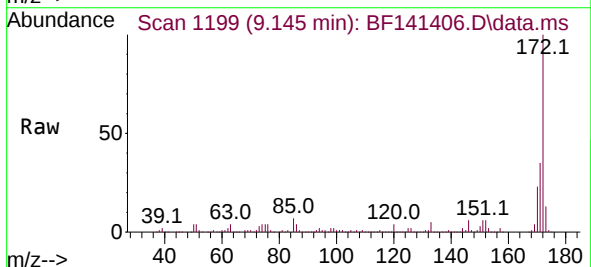
Tgt Ion:172 Resp: 1179184

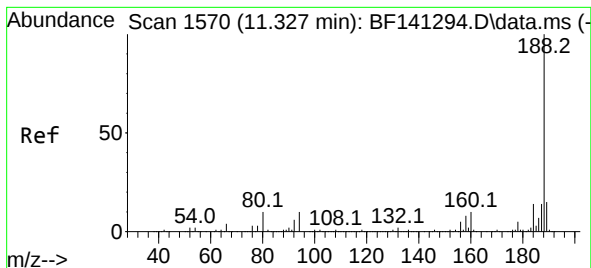
Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 23.4 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: BF141406.D

Acq: 04 Feb 2025 14:13

Instrument :

BNA_F

ClientSampleId :

PB166356TB

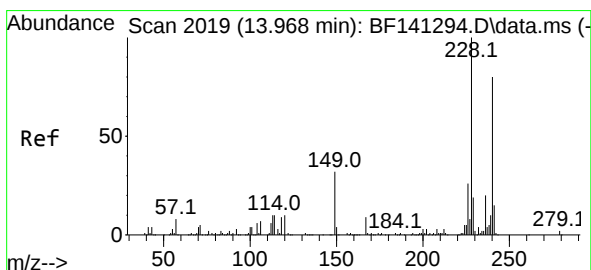
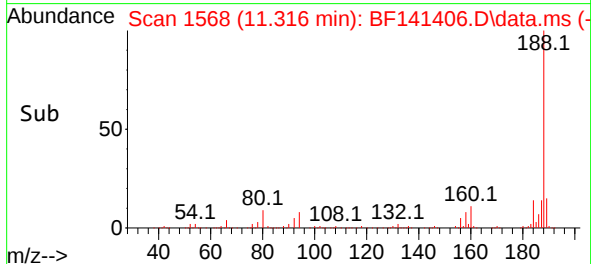
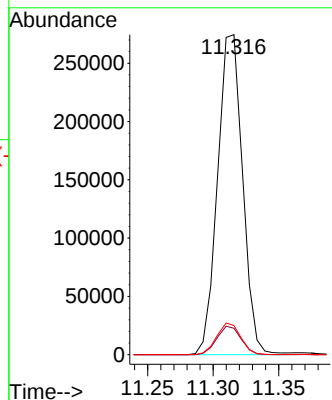
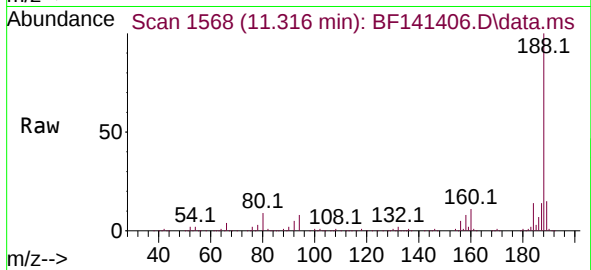
Tgt Ion:188 Resp: 363737

Ion Ratio Lower Upper

188 100

94 8.3 7.8 11.6

80 9.1 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: BF141406.D

Acq: 04 Feb 2025 14:13

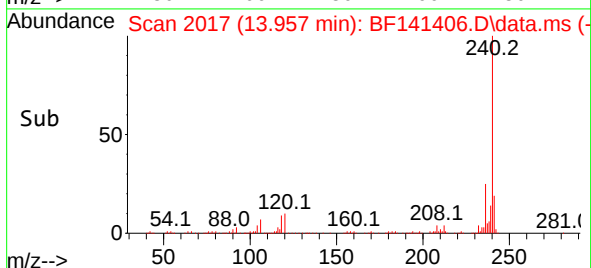
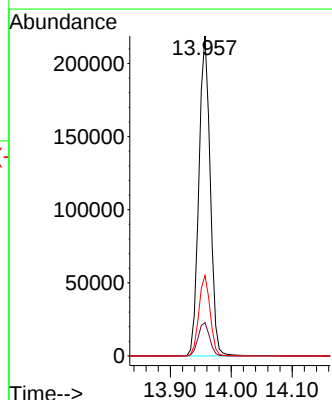
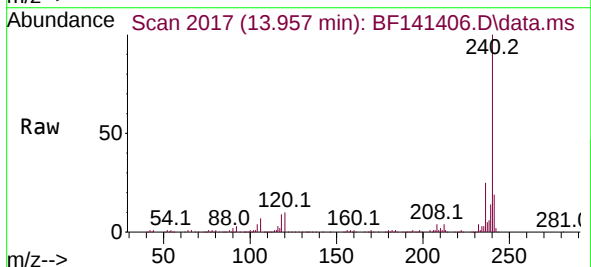
Tgt Ion:240 Resp: 282057

Ion Ratio Lower Upper

240 100

120 10.4 10.0 15.0

236 25.2 19.7 29.5

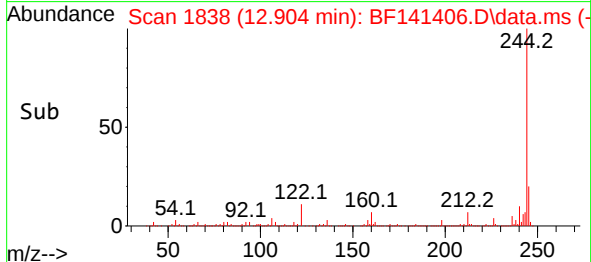
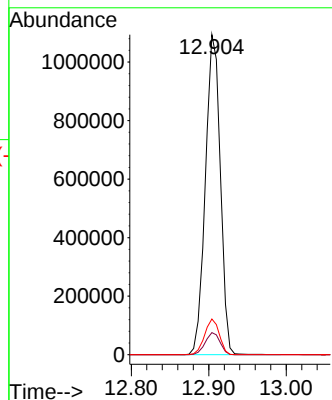
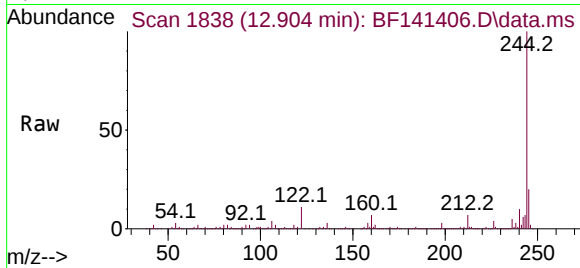




#79
 Terphenyl-d14
 Concen: 80.109 ng
 RT: 12.904 min Scan# 1838
 Delta R.T. -0.012 min
 Lab File: BF141406.D
 Acq: 04 Feb 2025 14:13

Instrument :
 BNA_F
 ClientSampleId :
 PB166356TB

Tgt Ion:244 Resp: 1465153
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 11.2 8.8 13.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.421 min Scan# 2266
 Delta R.T. -0.018 min
 Lab File: BF141406.D
 Acq: 04 Feb 2025 14:13

Tgt Ion:264 Resp: 223254
 Ion Ratio Lower Upper
 264 100
 260 22.4 18.6 27.8
 265 21.0 16.7 25.1

