

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141403.D
 Acq On : 04 Feb 2025 12:54
 Operator : RC/JU
 Sample : PB166465BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166465BL

Quant Time: Feb 04 13:26:28 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	86908	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	345400	20.000	ng	-0.02
39) Acenaphthene-d10	9.827	164	190872	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	328979	20.000	ng	-0.02
76) Chrysene-d12	13.957	240	260911	20.000	ng	#-0.02
86) Perylene-d12	15.415	264	198151	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	737993	130.364	ng	0.00
7) Phenol-d6	6.428	99	905270	125.705	ng	-0.01
23) Nitrobenzene-d5	7.351	82	597586	91.206	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	246267	140.736	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	1122381	90.509	ng	-0.02
79) Terphenyl-d14	12.904	244	1374137	81.222	ng	-0.01

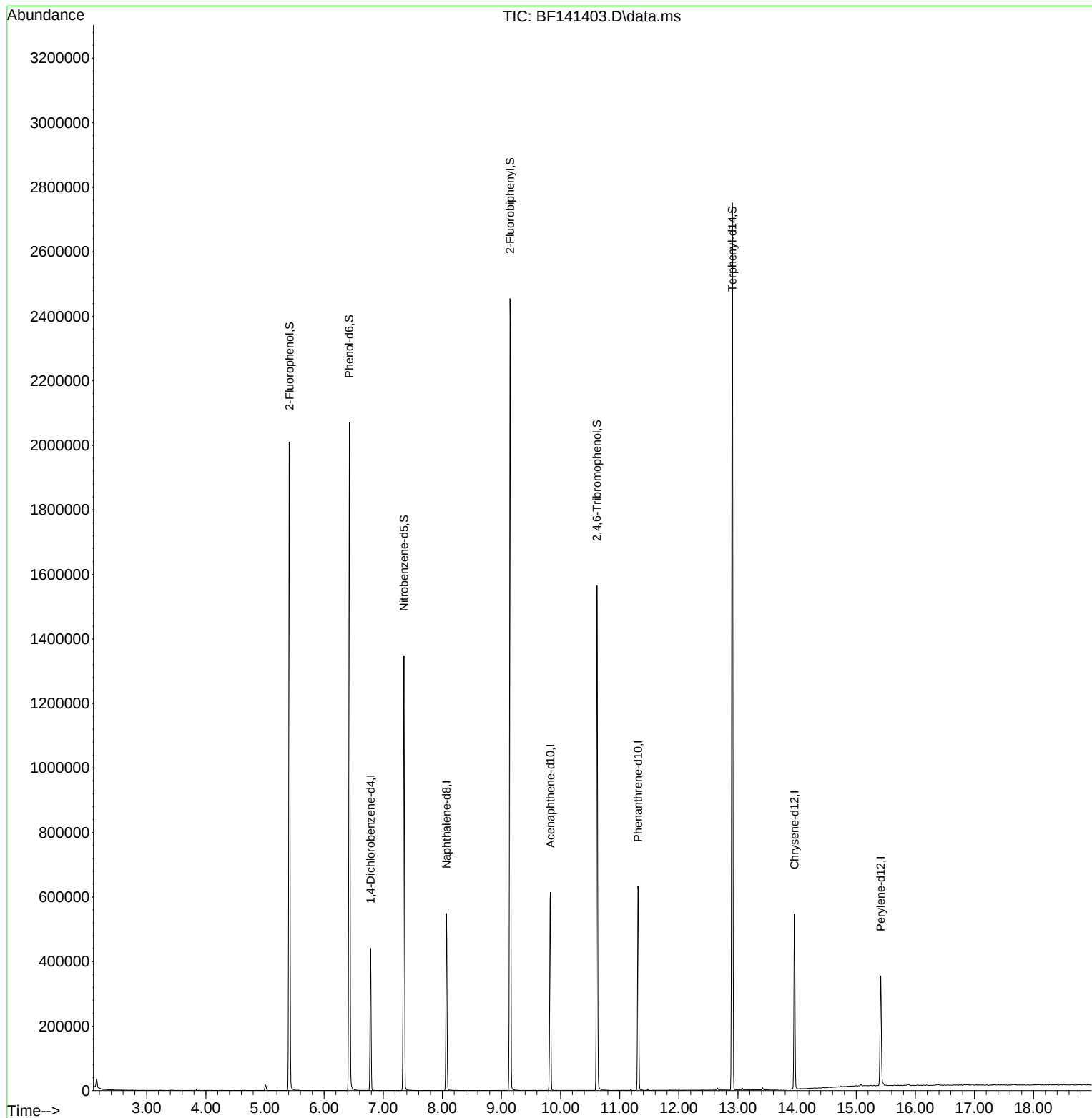
Target Compounds	Qvalue

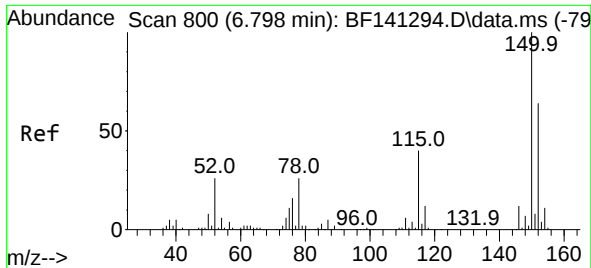
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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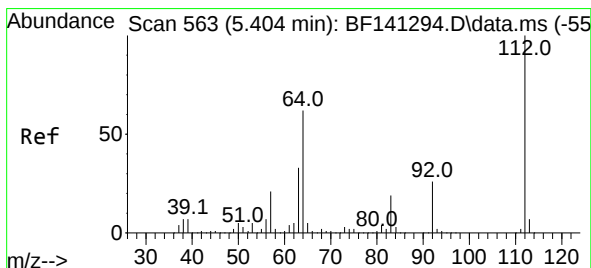
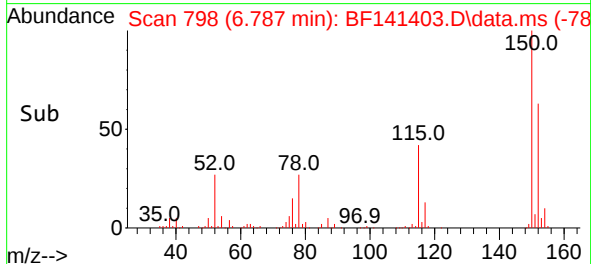
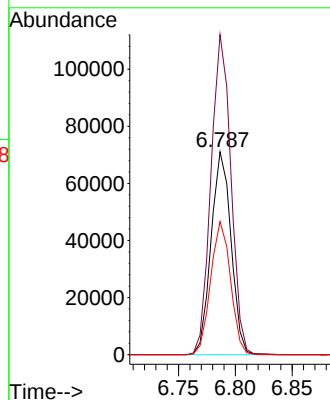
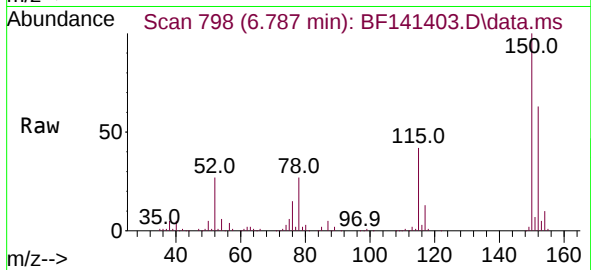




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.017 min
Lab File: BF141403.D
Acq: 04 Feb 2025 12:54

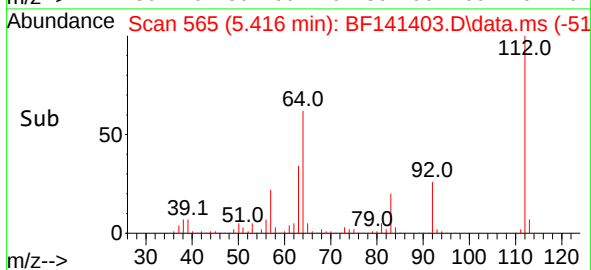
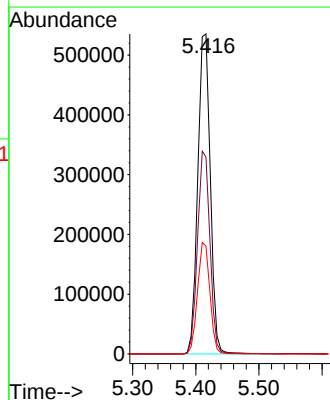
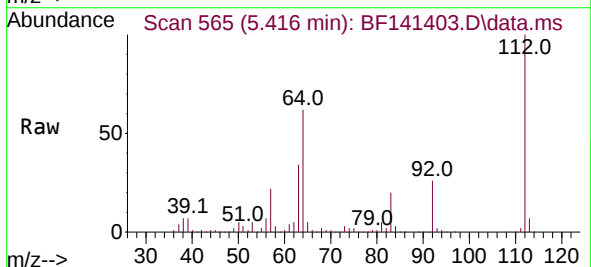
Instrument :
BNA_F
ClientSampleId :
PB166465BL

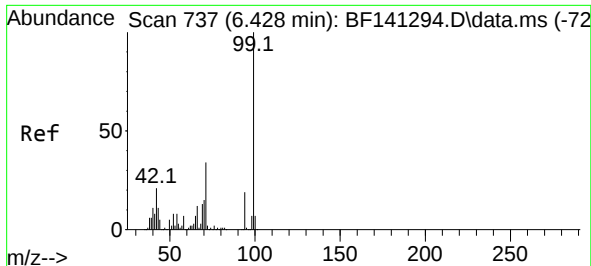
Tgt Ion:152 Resp: 86908
Ion Ratio Lower Upper
152 100
150 157.8 125.9 188.9
115 65.6 49.7 74.5



#5
2-Fluorophenol
Concen: 130.364 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141403.D
Acq: 04 Feb 2025 12:54

Tgt Ion:112 Resp: 737993
Ion Ratio Lower Upper
112 100
64 61.5 49.8 74.8
63 33.7 26.1 39.1

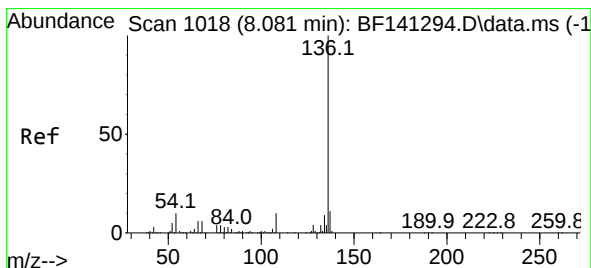
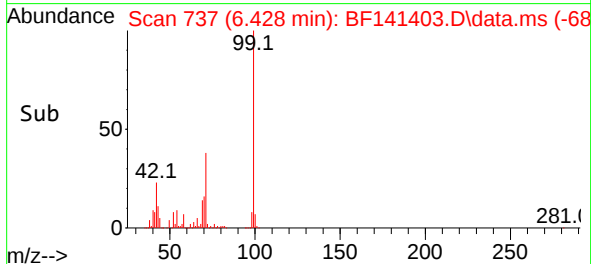
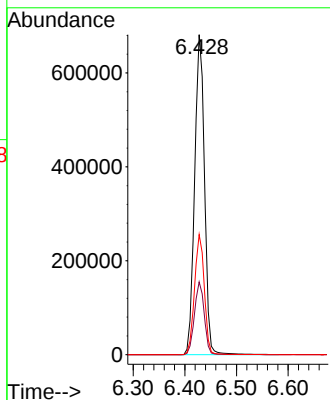
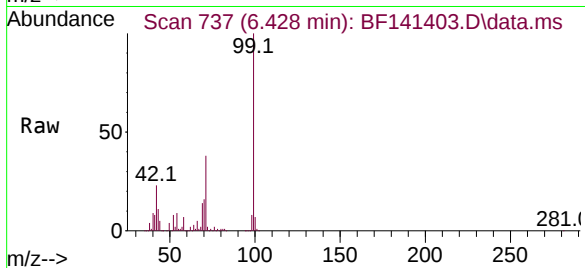




#7
Phenol-d6
Concen: 125.705 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141403.D
Acq: 04 Feb 2025 12:54

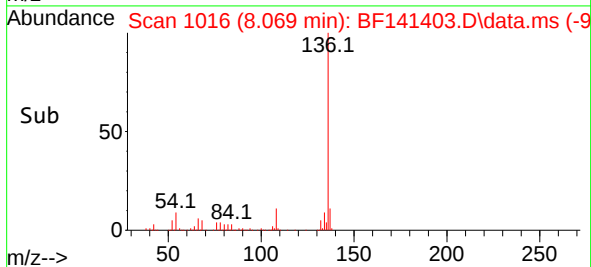
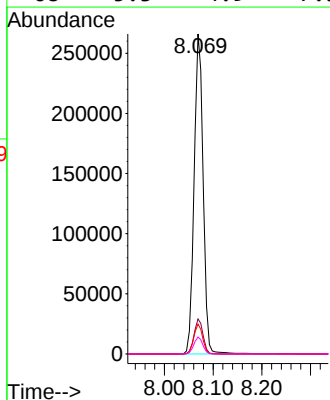
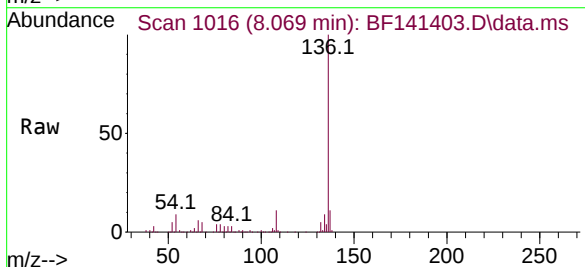
Instrument :
BNA_F
ClientSampleId :
PB166465BL

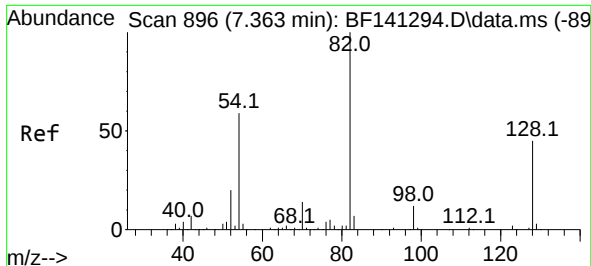
Tgt Ion: 99 Resp: 905270
Ion Ratio Lower Upper
99 100
42 22.8 17.1 25.7
71 37.5 26.9 40.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141403.D
Acq: 04 Feb 2025 12:54

Tgt Ion: 136 Resp: 345400
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.3 7.8 11.8
68 5.3 4.9 7.3





#23

Nitrobenzene-d5

Concen: 91.206 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.018 min

Lab File: BF141403.D

Acq: 04 Feb 2025 12:54

Instrument :

BNA_F

ClientSampleId :

PB166465BL

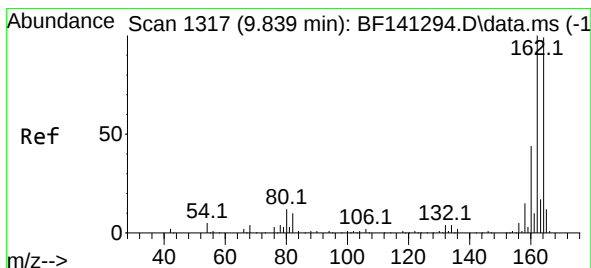
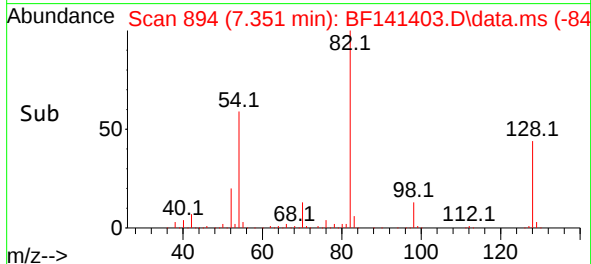
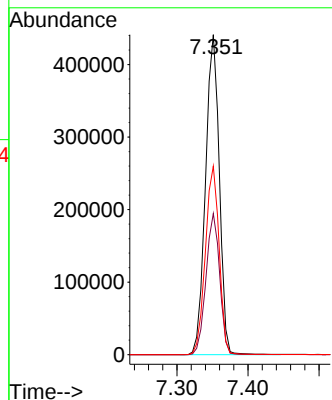
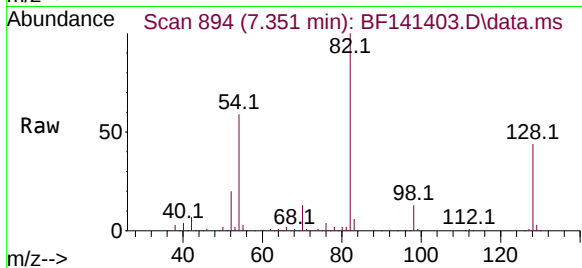
Tgt Ion: 82 Resp: 597586

Ion Ratio Lower Upper

82 100

128 44.1 35.7 53.5

54 58.9 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: BF141403.D

Acq: 04 Feb 2025 12:54

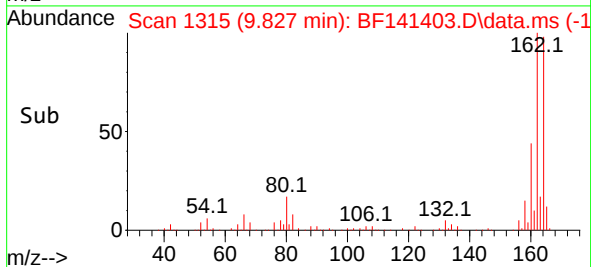
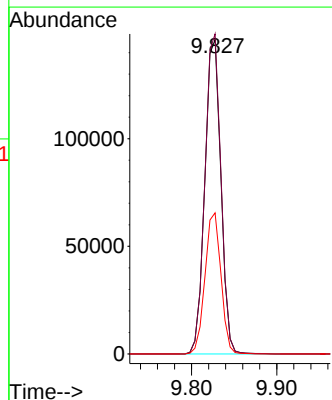
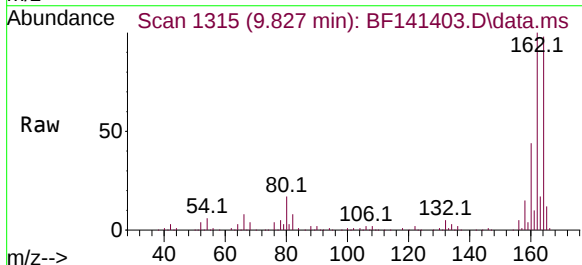
Tgt Ion:164 Resp: 190872

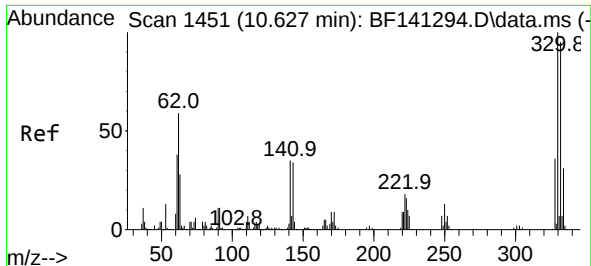
Ion Ratio Lower Upper

164 100

162 101.8 80.6 121.0

160 44.9 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 140.736 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.018 min

Lab File: BF141403.D

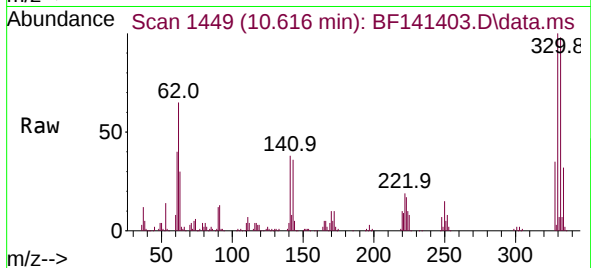
Acq: 04 Feb 2025 12:54

Instrument :

BNA_F

ClientSampleId :

PB166465BL



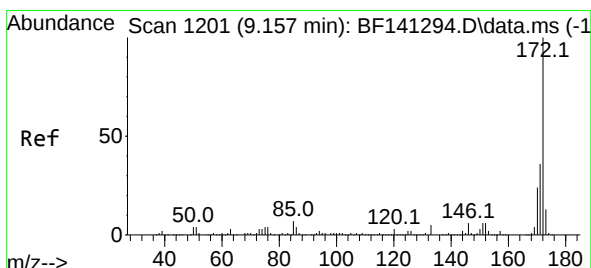
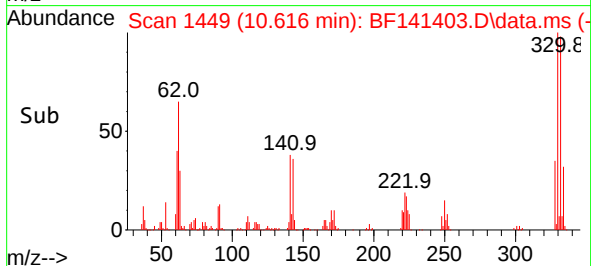
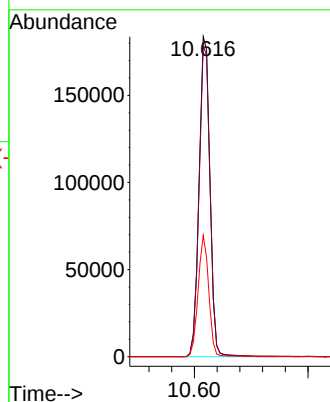
Tgt Ion:330 Resp: 246267

Ion Ratio Lower Upper

330 100

332 97.5 76.1 114.1

141 36.9 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 90.509 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.018 min

Lab File: BF141403.D

Acq: 04 Feb 2025 12:54

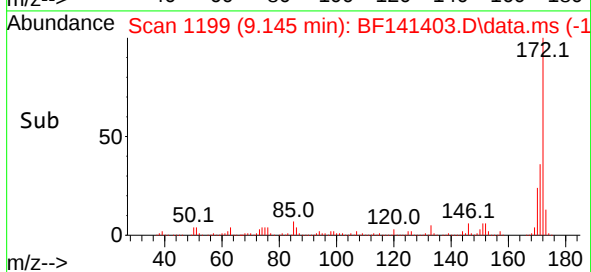
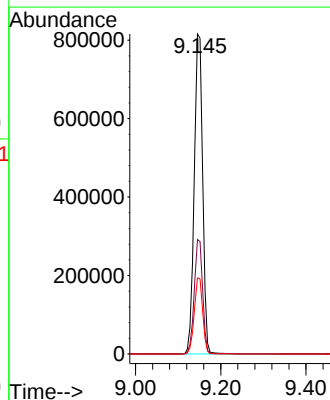
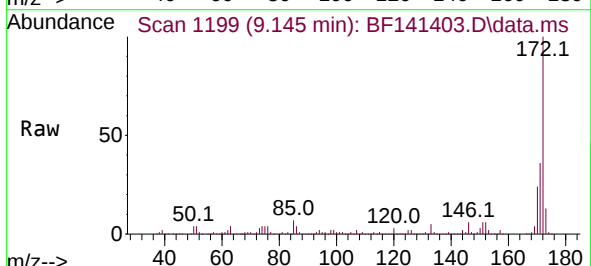
Tgt Ion:172 Resp: 1122381

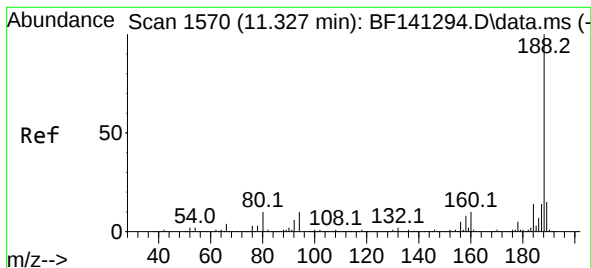
Ion Ratio Lower Upper

172 100

171 35.7 28.8 43.2

170 23.8 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141403.D

Acq: 04 Feb 2025 12:54

Instrument :

BNA_F

ClientSampleId :

PB166465BL

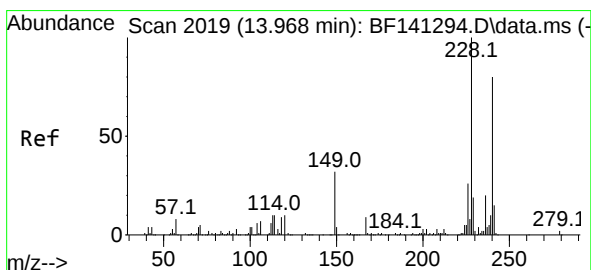
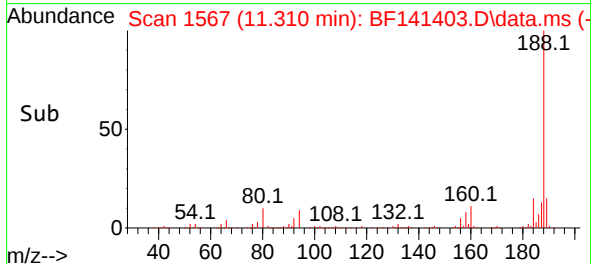
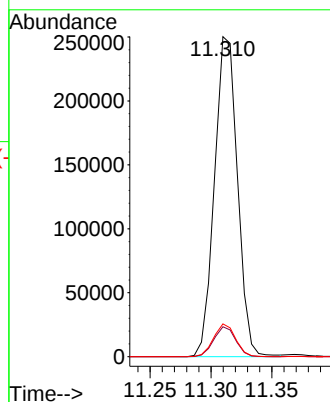
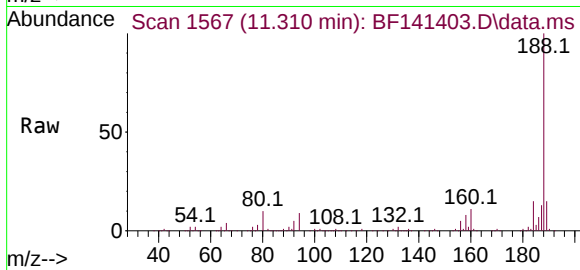
Tgt Ion:188 Resp: 328979

Ion Ratio Lower Upper

188 100

94 9.4 7.8 11.6

80 10.2 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: BF141403.D

Acq: 04 Feb 2025 12:54

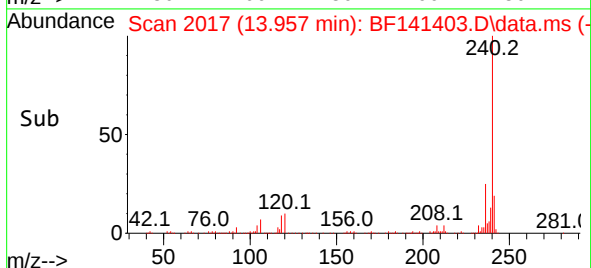
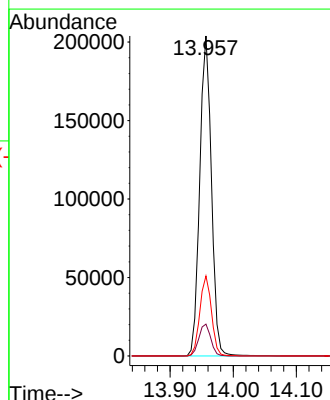
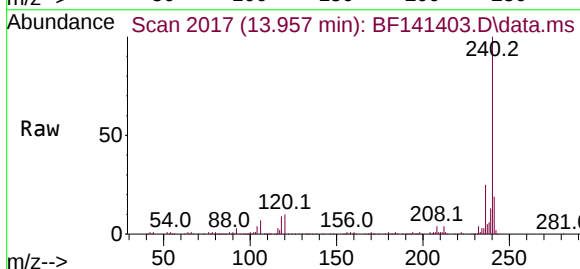
Tgt Ion:240 Resp: 260911

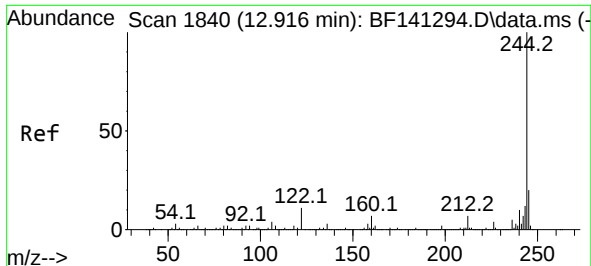
Ion Ratio Lower Upper

240 100

120 10.0 10.0 15.0#

236 25.0 19.7 29.5

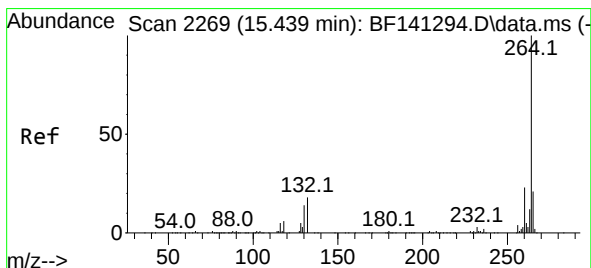
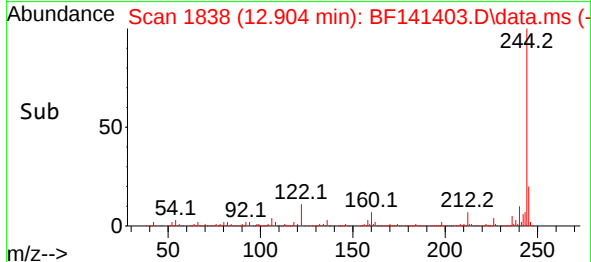
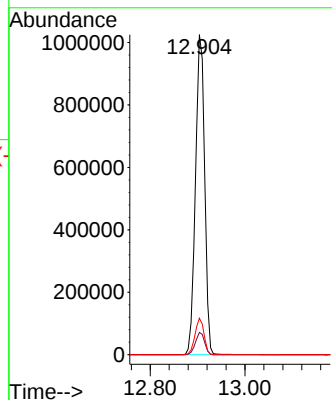
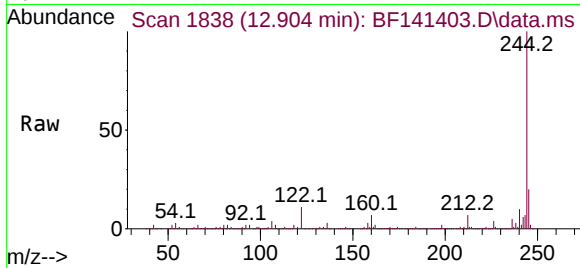




#79
 Terphenyl-d14
 Concen: 81.222 ng
 RT: 12.904 min Scan# 1838
 Delta R.T. -0.012 min
 Lab File: BF141403.D
 Acq: 04 Feb 2025 12:54

Instrument :
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Tgt Ion:244 Resp: 1374137
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 11.4 8.8 13.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.415 min Scan# 2265
 Delta R.T. -0.024 min
 Lab File: BF141403.D
 Acq: 04 Feb 2025 12:54

Tgt Ion:264 Resp: 198151
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.6 27.8
 265 21.6 16.7 25.1

