

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
 Data File : BF136694.D
 Acq On : 22 Dec 2023 19:43
 Operator : CG\JU
 Sample : 05796-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-SB-06-13-14

Quant Time: Dec 23 01:55:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

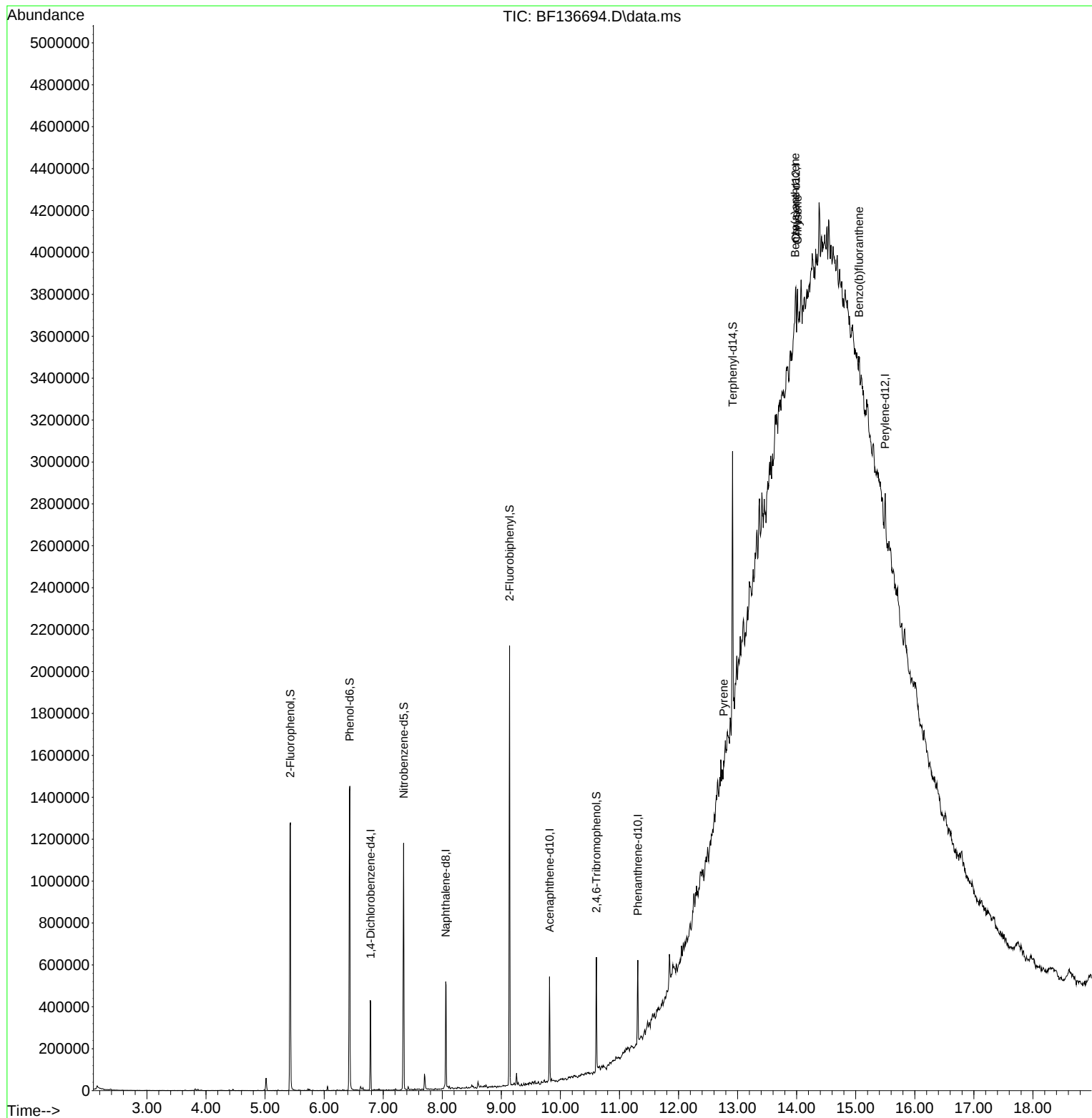
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	64921	20.000	ng	0.00
21) Naphthalene-d8	8.057	136	222424	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	90334	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	139610	20.000	ng	0.00
76) Chrysene-d12	13.986	240	99767	20.000	ng	# 0.02
86) Perylene-d12	15.498	264	100209	20.000	ng	# 0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	360610	86.668	ng	0.00
7) Phenol-d6	6.434	99	534200	99.083	ng	0.00
23) Nitrobenzene-d5	7.346	82	356620	82.044	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	65462	61.531	ng	-0.01
45) 2-Fluorobiphenyl	9.140	172	592225	88.177	ng	-0.01
79) Terphenyl-d14	12.916	244	506590	70.960	ng	0.00
Target Compounds						
78) Pyrene	12.763	202	24653	2.517	ng	# 83
81) Benzo(a)anthracene	13.975	228	66613	9.615	ng	# 71
83) Chrysene	14.016	228	82191	12.132	ng	# 77
88) Benzo(b)fluoranthene	15.057	252	18012	2.691	ng	# 1

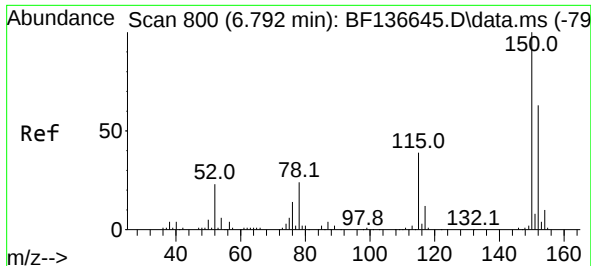
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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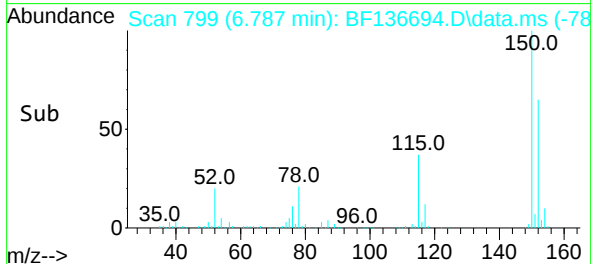
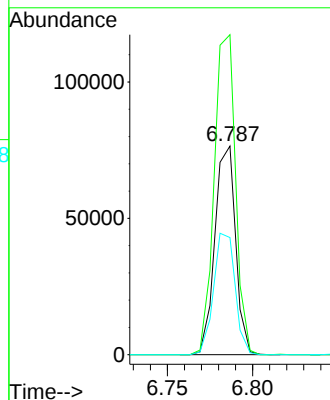
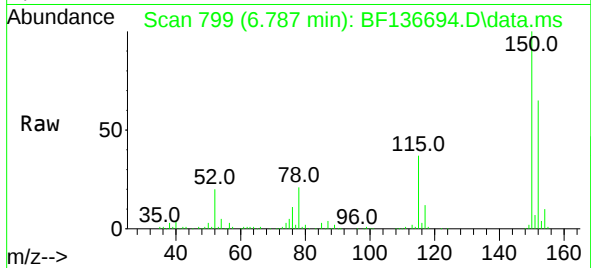




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF136694.D
Acq: 22 Dec 2023 19:43

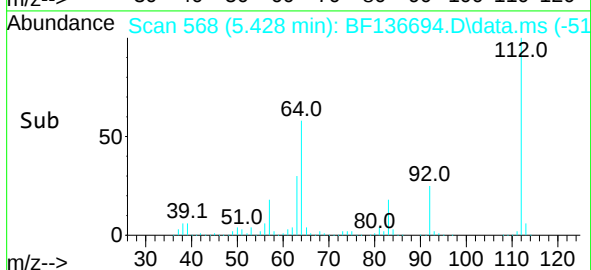
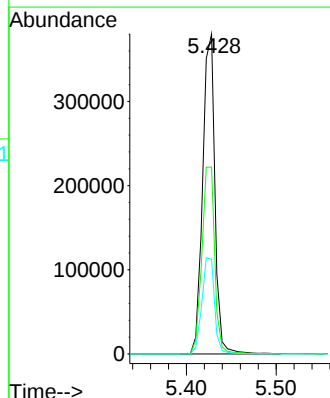
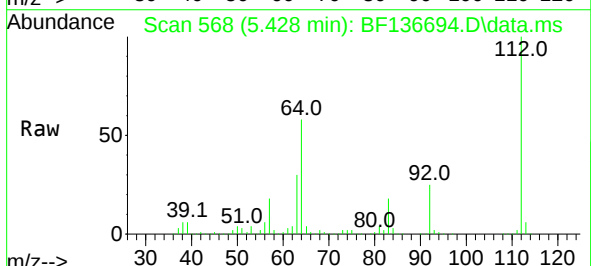
Instrument :
BNA_F
ClientSampleId :
RT-SB-06-13-14

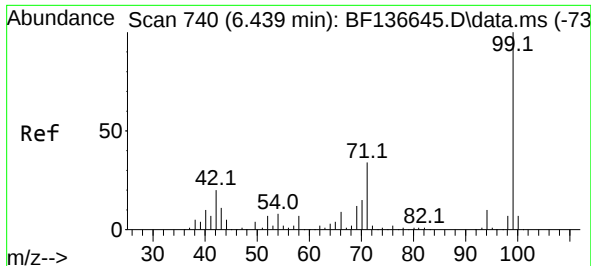
Tgt Ion:152 Resp: 64921
Ion Ratio Lower Upper
152 100
150 153.4 127.0 190.6
115 56.1 49.0 73.4



#5
2-Fluorophenol
Concen: 86.668 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136694.D
Acq: 22 Dec 2023 19:43

Tgt Ion:112 Resp: 360610
Ion Ratio Lower Upper
112 100
64 58.4 51.1 76.7
63 29.6 26.1 39.1

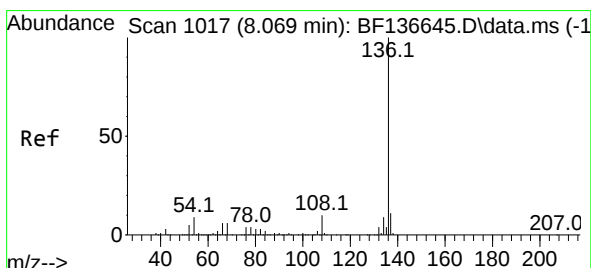
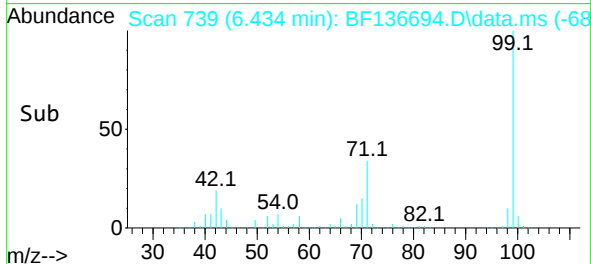
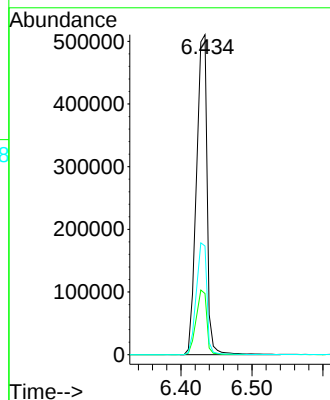
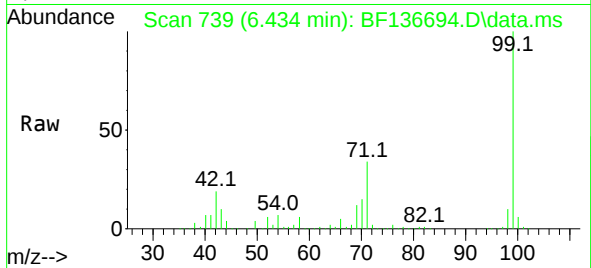




#7
Phenol-d6
Concen: 99.083 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136694.D
Acq: 22 Dec 2023 19:43

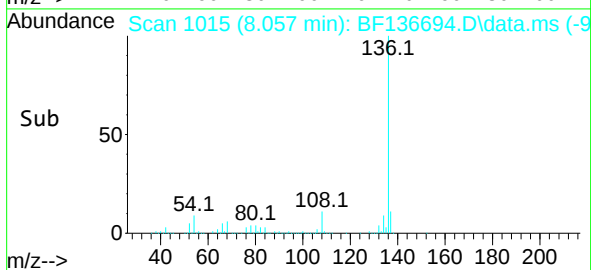
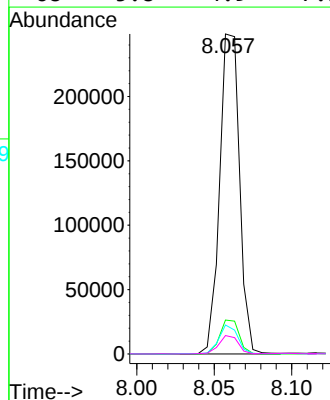
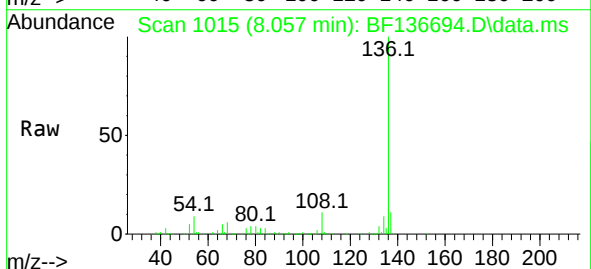
Instrument :
BNA_F
ClientSampleId :
RT-SB-06-13-14

Tgt Ion: 99 Resp: 534200
Ion Ratio Lower Upper
99 100
42 19.1 16.1 24.1
71 33.9 27.4 41.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.011 min
Lab File: BF136694.D
Acq: 22 Dec 2023 19:43

Tgt Ion: 136 Resp: 222424
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.4
54 9.1 7.2 10.8
68 5.8 4.9 7.3





#23

Nitrobenzene-d5

Concen: 82.044 ng

RT: 7.346 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF136694.D

Acq: 22 Dec 2023 19:43

Instrument :

BNA_F

ClientSampleId :

RT-SB-06-13-14

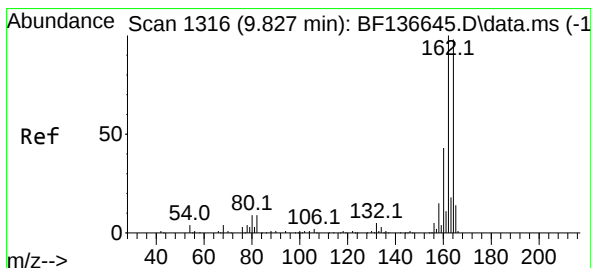
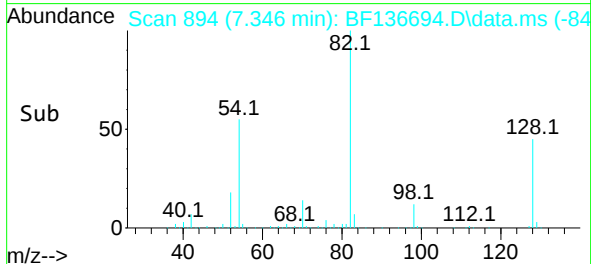
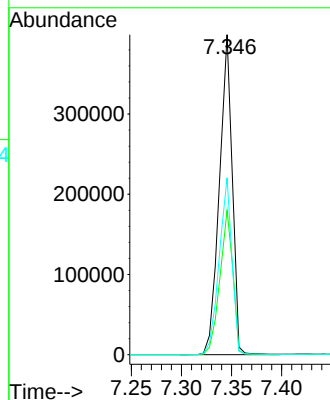
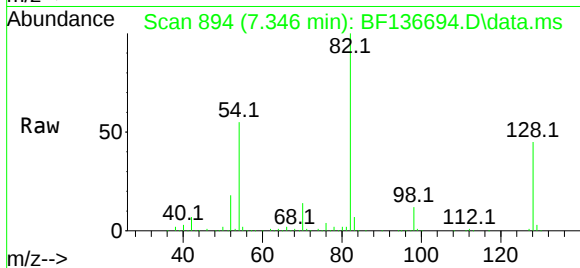
Tgt Ion: 82 Resp: 356620

Ion Ratio Lower Upper

82 100

128 45.1 35.3 52.9

54 55.3 44.5 66.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1314

Delta R.T. -0.011 min

Lab File: BF136694.D

Acq: 22 Dec 2023 19:43

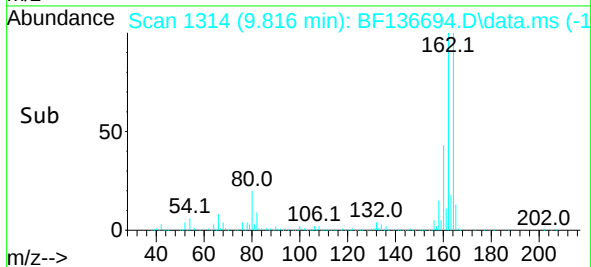
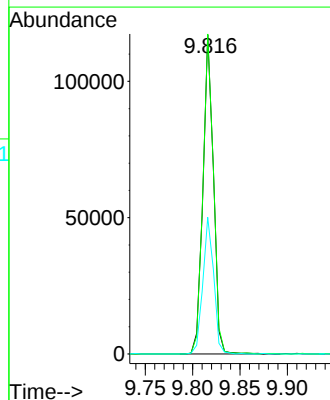
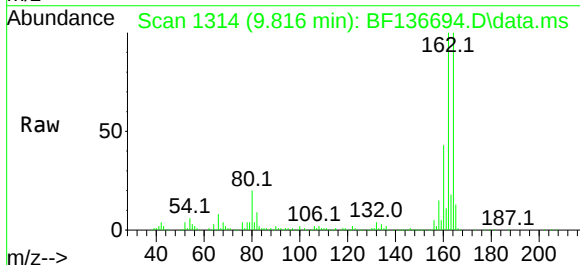
Tgt Ion: 164 Resp: 90334

Ion Ratio Lower Upper

164 100

162 100.2 81.6 122.4

160 42.8 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 61.531 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.011 min

Lab File: BF136694.D

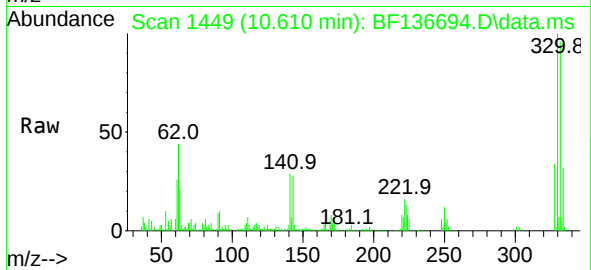
Acq: 22 Dec 2023 19:43

Instrument :

BNA_F

ClientSampleId :

RT-SB-06-13-14



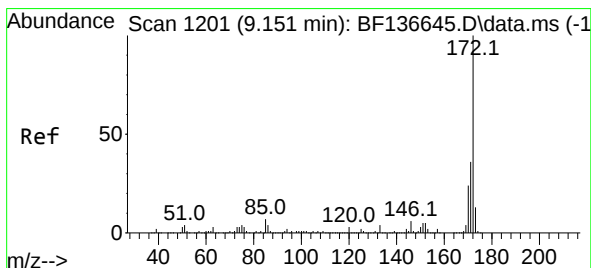
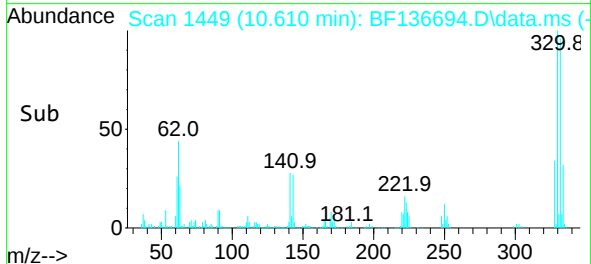
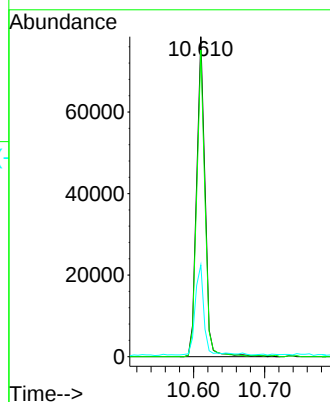
Tgt Ion:330 Resp: 65462

Ion Ratio Lower Upper

330 100

332 93.2 77.4 116.0

141 28.9 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 88.177 ng

RT: 9.140 min Scan# 1199

Delta R.T. -0.011 min

Lab File: BF136694.D

Acq: 22 Dec 2023 19:43

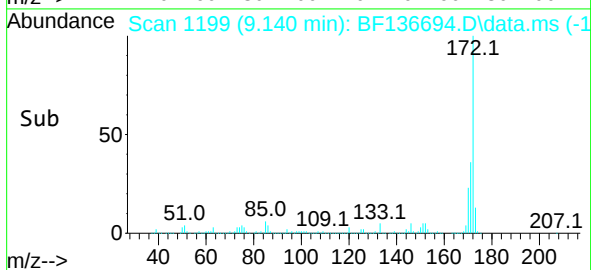
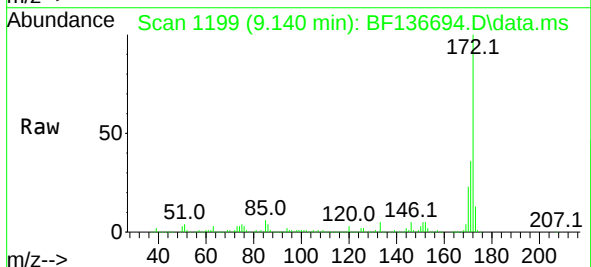
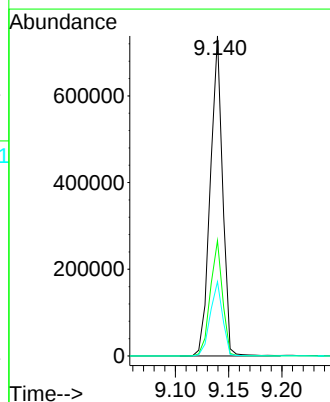
Tgt Ion:172 Resp: 592225

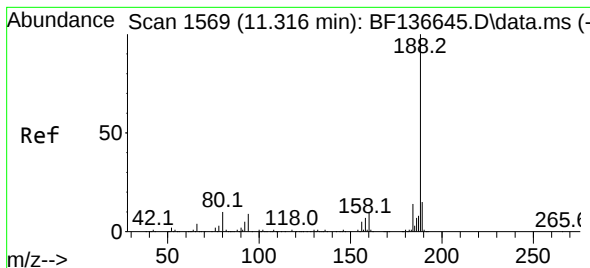
Ion Ratio Lower Upper

172 100

171 36.1 29.0 43.6

170 23.2 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136694.D

Acq: 22 Dec 2023 19:43

Instrument :

BNA_F

ClientSampleId :

RT-SB-06-13-14

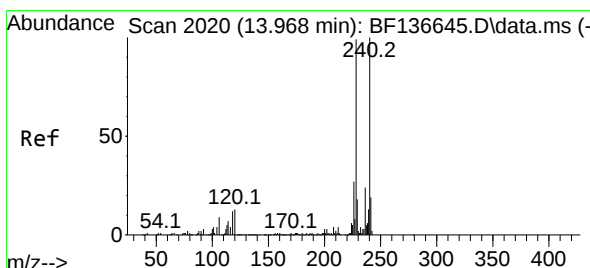
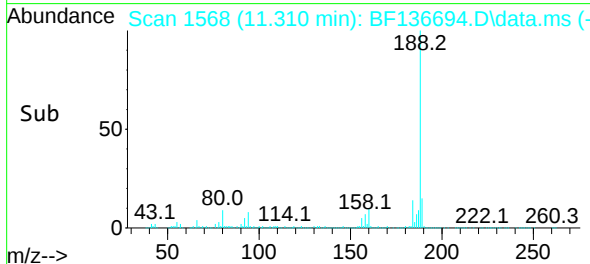
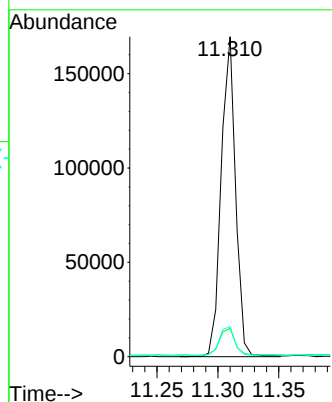
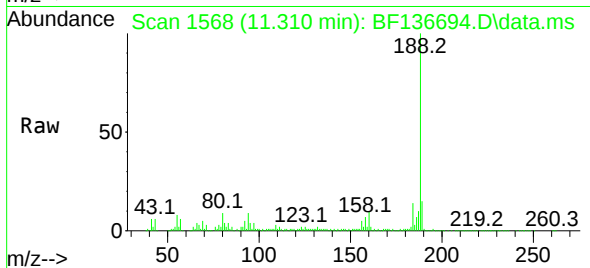
Tgt Ion:188 Resp: 139610

Ion Ratio Lower Upper

188 100

94 8.8 7.5 11.3

80 9.4 8.1 12.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.986 min Scan# 2023

Delta R.T. 0.018 min

Lab File: BF136694.D

Acq: 22 Dec 2023 19:43

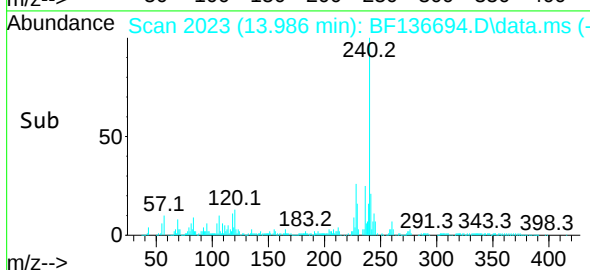
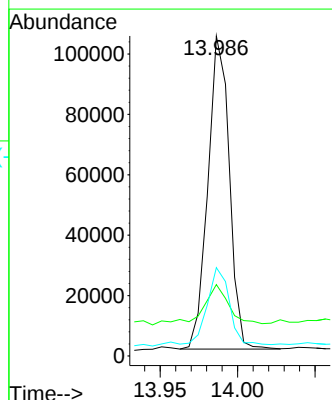
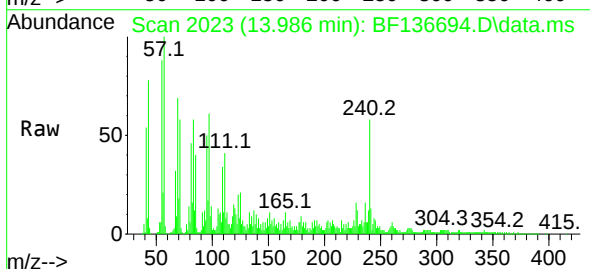
Tgt Ion:240 Resp: 99767

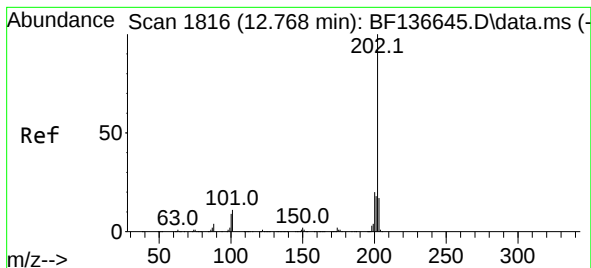
Ion Ratio Lower Upper

240 100

120 22.3 10.3 15.5#

236 27.6 19.4 29.2





#78

Pyrene

Concen: 2.517 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF136694.D

Acq: 22 Dec 2023 19:43

Instrument :

BNA_F

ClientSampleId :

RT-SB-06-13-14

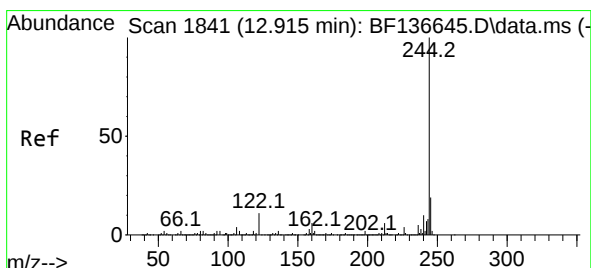
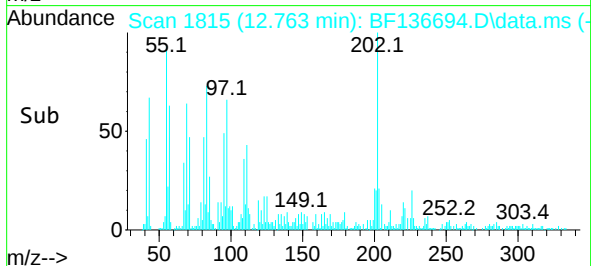
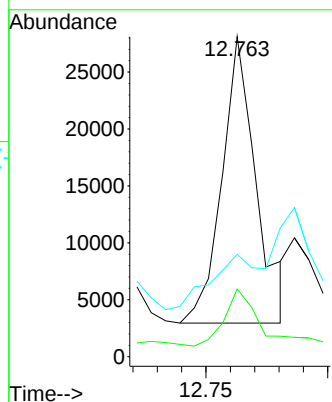
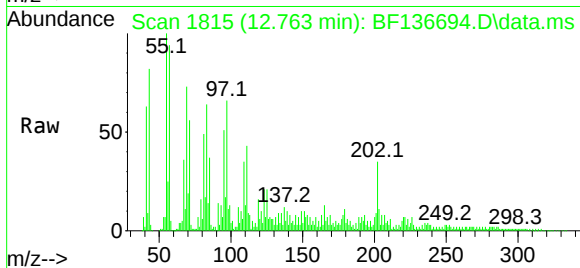
Tgt Ion:202 Resp: 24653

Ion Ratio Lower Upper

202 100

200 21.2 15.9 23.9

203 32.0 13.8 20.6#



#79

Terphenyl-d14

Concen: 70.960 ng

RT: 12.916 min Scan# 1841

Delta R.T. 0.000 min

Lab File: BF136694.D

Acq: 22 Dec 2023 19:43

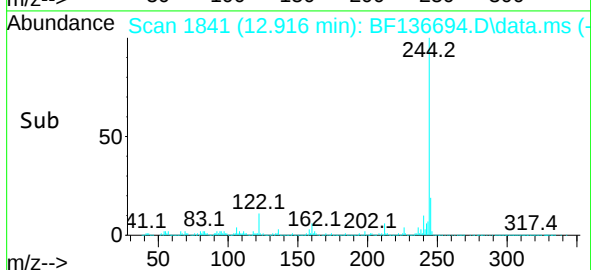
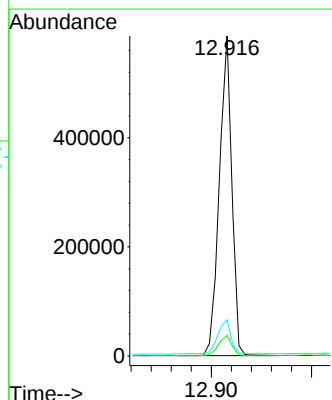
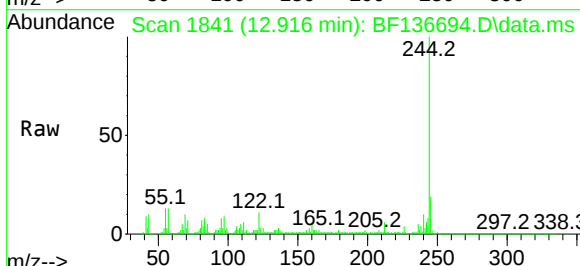
Tgt Ion:244 Resp: 506590

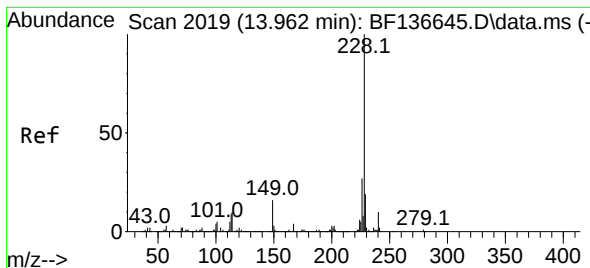
Ion Ratio Lower Upper

244 100

212 6.4 5.0 7.4

122 11.4 9.0 13.4





#81

Benzo(a)anthracene

Concen: 9.615 ng

RT: 13.975 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF136694.D

Acq: 22 Dec 2023 19:43

Instrument :

BNA_F

ClientSampleId :

RT-SB-06-13-14

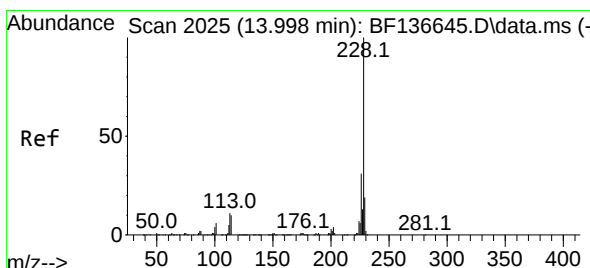
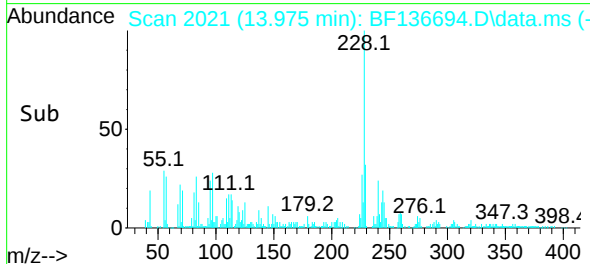
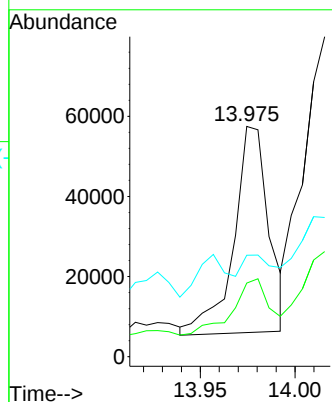
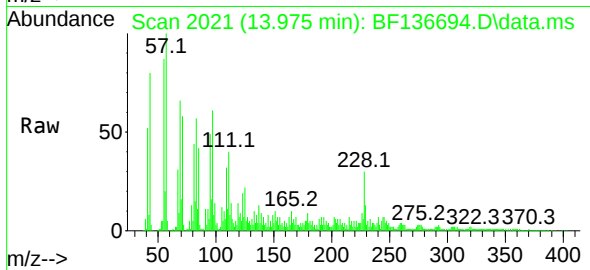
Tgt Ion:228 Resp: 66613

Ion Ratio Lower Upper

228 100

226 32.0 21.4 32.0

229 44.1 14.9 22.3#



#83

Chrysene

Concen: 12.132 ng

RT: 14.016 min Scan# 2028

Delta R.T. 0.018 min

Lab File: BF136694.D

Acq: 22 Dec 2023 19:43

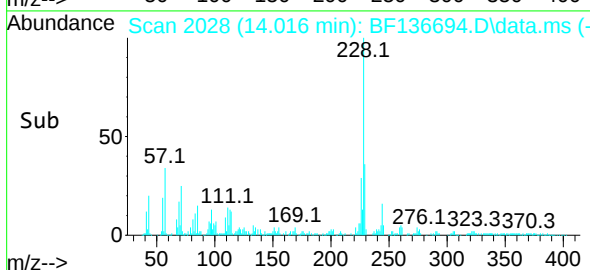
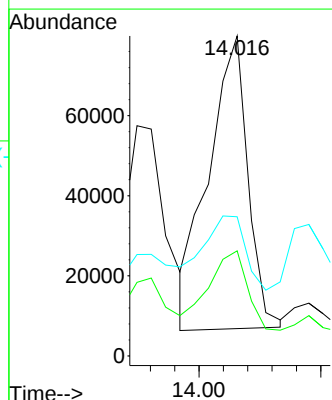
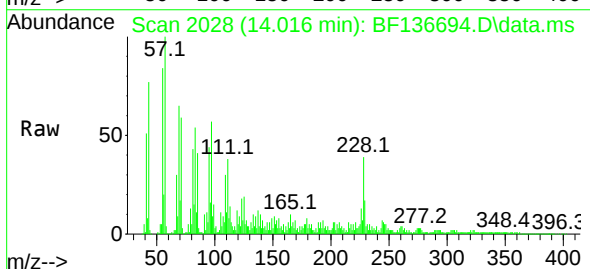
Tgt Ion:228 Resp: 82191

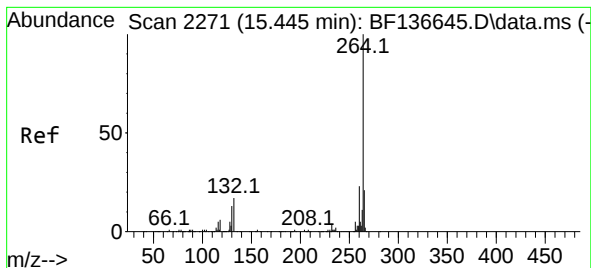
Ion Ratio Lower Upper

228 100

226 32.8 24.7 37.1

229 43.5 15.4 23.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 21

Delta R.T. 0.053 min

Lab File: BF136694.D

Acq: 22 Dec 2023 19:43

Instrument :

BNA_F

ClientSampleId :

RT-SB-06-13-14

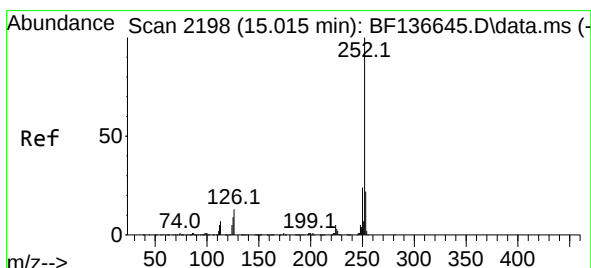
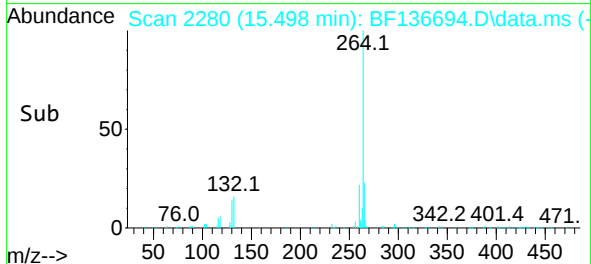
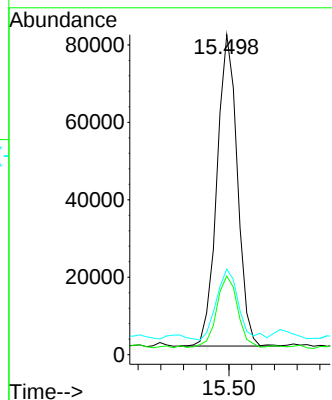
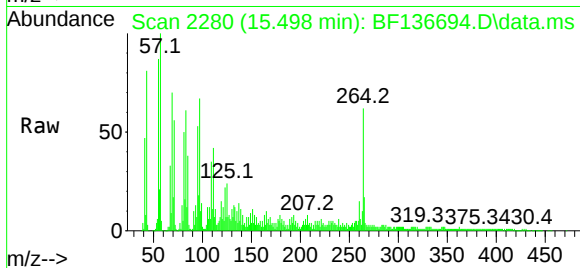
Tgt Ion:264 Resp: 100209

Ion Ratio Lower Upper

264 100

260 24.6 18.3 27.5

265 26.7 17.0 25.6#



#88

Benzo(b)fluoranthene

Concen: 2.691 ng

RT: 15.057 min Scan# 2205

Delta R.T. 0.041 min

Lab File: BF136694.D

Acq: 22 Dec 2023 19:43

Tgt Ion:252 Resp: 18012

Ion Ratio Lower Upper

252 100

253 52.6 17.4 26.0#

125 290.6 7.4 11.2#

