

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031425\
 Data File : BF141971.D
 Acq On : 14 Mar 2025 18:06
 Operator : RC/JU
 Sample : Q1553-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT2321

Quant Time: Mar 14 18:41:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

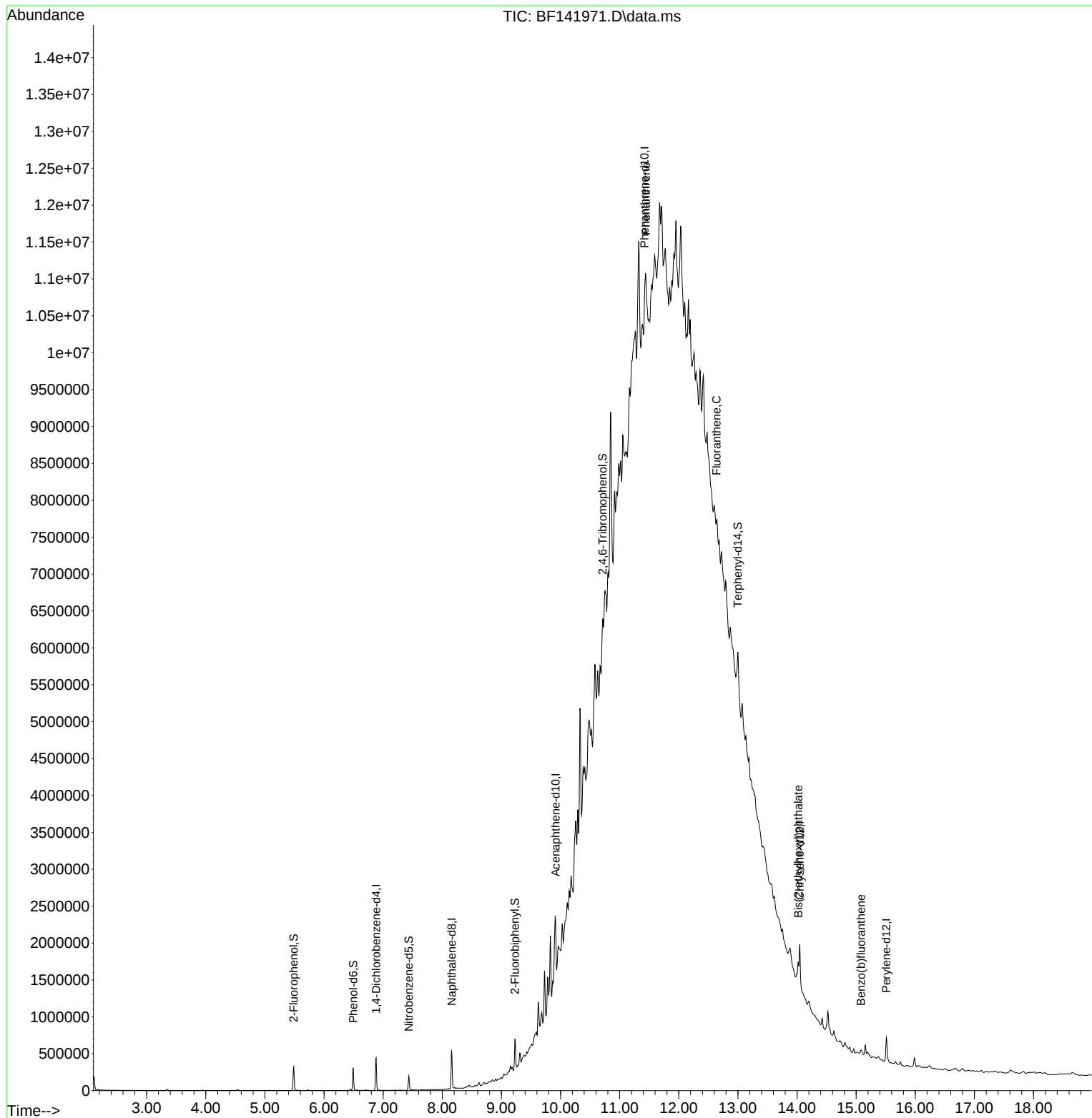
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	95511	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	330768	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	174766	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	311287	20.000	ng	# 0.02
76) Chrysene-d12	14.045	240	274363	20.000	ng	0.00
86) Perylene-d12	15.510	264	203158	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	128022	22.371	ng	0.00
7) Phenol-d6	6.493	99	145316	19.944	ng	-0.01
23) Nitrobenzene-d5	7.434	82	86700	14.751	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	48842	22.029	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	169086	14.714	ng	-0.01
79) Terphenyl-d14	12.998	244	252332	13.597	ng	0.01
Target Compounds						
71) Phenanthrene	11.445	178	163851	9.745	ng	# 40
75) Fluoranthene	12.639	202	56263	3.155	ng	# 41
84) Bis(2-ethylhexyl)phtha...	14.022	149	124458	9.718	ng	# 95
88) Benzo(b)fluoranthene	15.080	252	28199m	2.025	ng	

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

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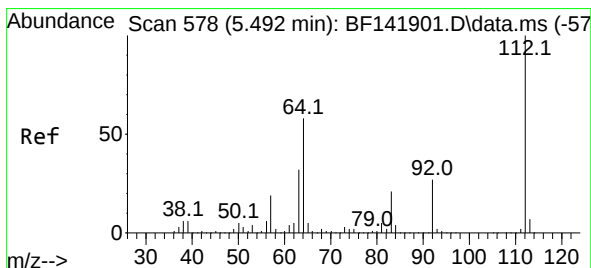
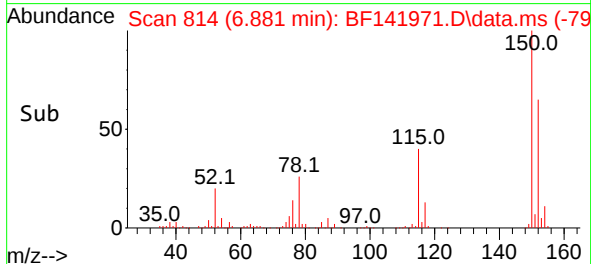
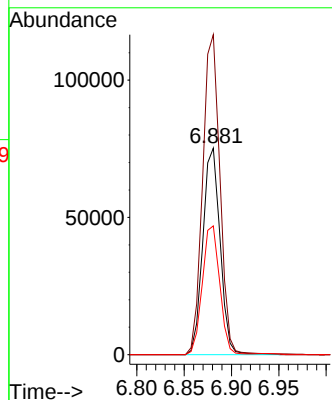
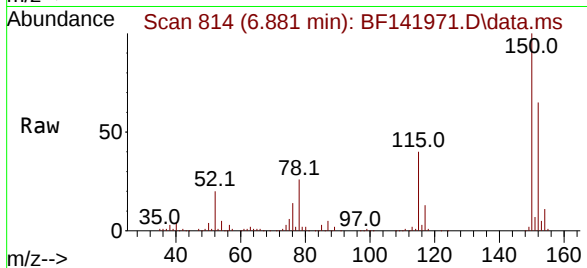




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141971.D
Acq: 14 Mar 2025 18:06

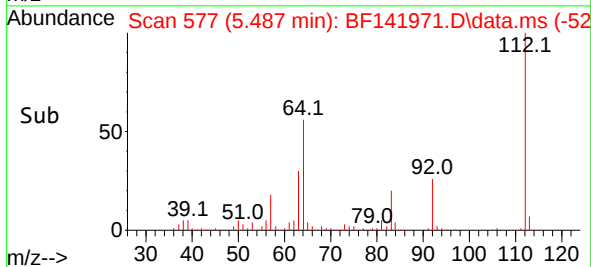
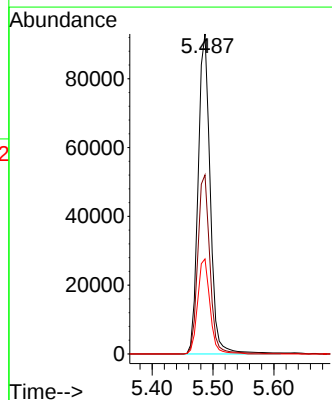
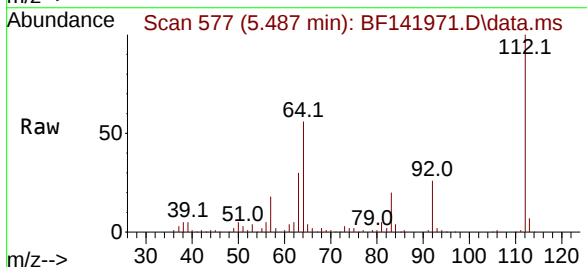
Instrument :
BNA_F
ClientSampleId :
RT2321

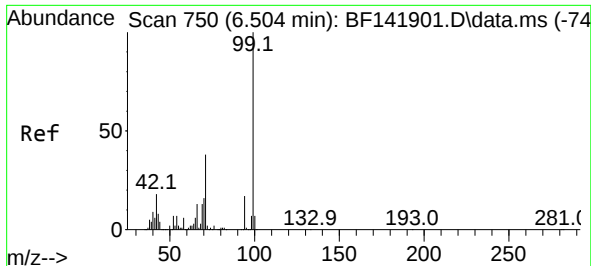
Tgt Ion:152 Resp: 95511
Ion Ratio Lower Upper
152 100
150 155.0 127.4 191.2
115 62.4 51.9 77.9



#5
2-Fluorophenol
Concen: 22.371 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF141971.D
Acq: 14 Mar 2025 18:06

Tgt Ion:112 Resp: 128022
Ion Ratio Lower Upper
112 100
64 56.0 46.5 69.7
63 29.7 25.4 38.2

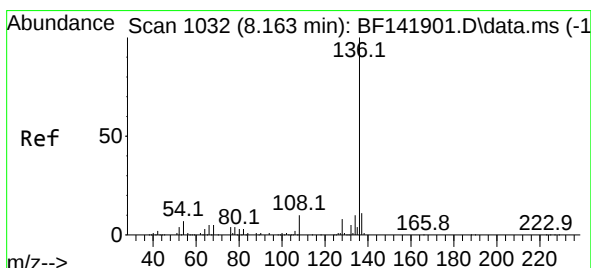
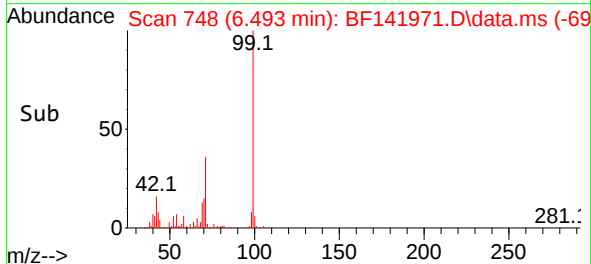
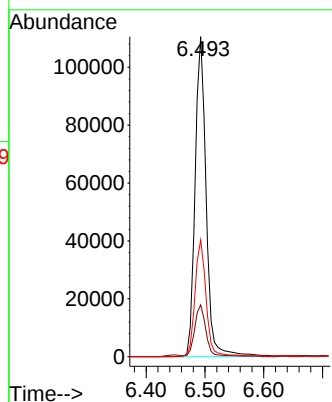
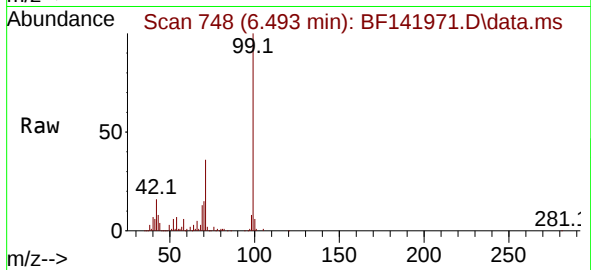




#7
Phenol-d6
Concen: 19.944 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF141971.D
Acq: 14 Mar 2025 18:06

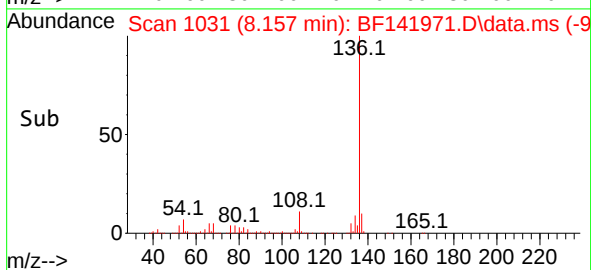
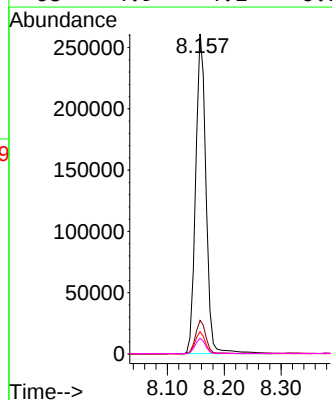
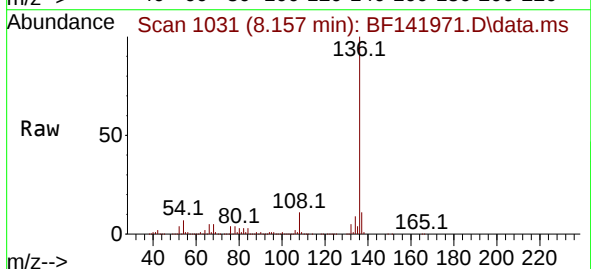
Instrument :
BNA_F
ClientSampleId :
RT2321

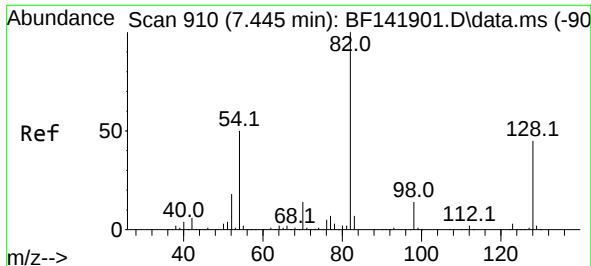
Tgt Ion: 99 Resp: 145316
Ion Ratio Lower Upper
99 100
42 16.2 14.6 21.8
71 36.5 30.8 46.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141971.D
Acq: 14 Mar 2025 18:06

Tgt Ion: 136 Resp: 330768
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 6.9 5.8 8.8
68 4.9 4.1 6.1

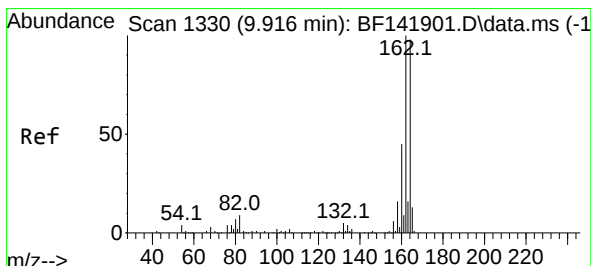
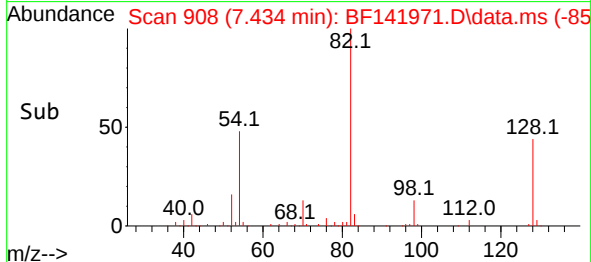
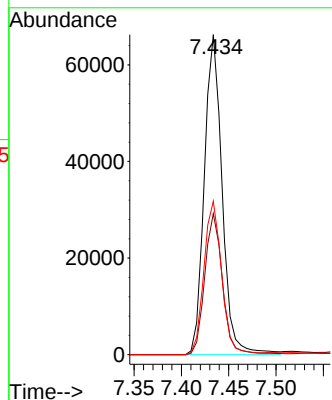
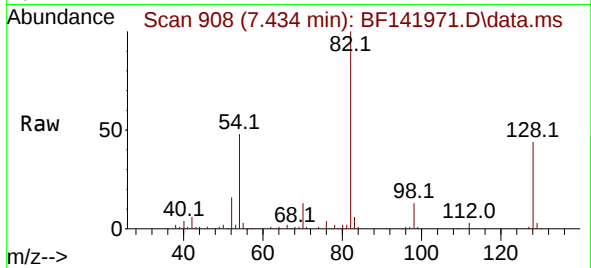




#23
Nitrobenzene-d5
Concen: 14.751 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.012 min
Lab File: BF141971.D
Acq: 14 Mar 2025 18:06

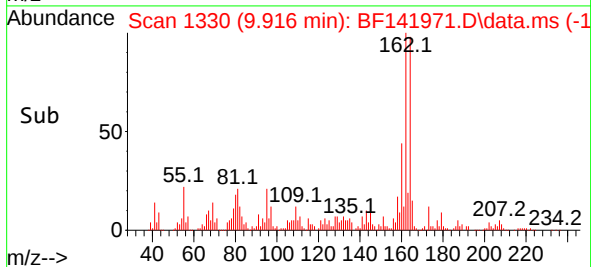
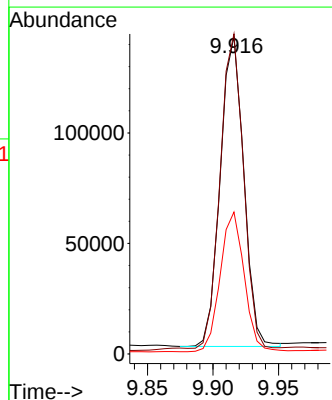
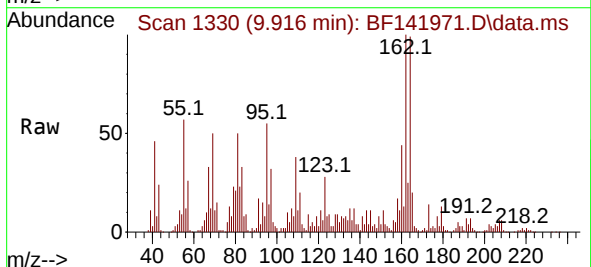
Instrument :
BNA_F
ClientSampleId :
RT2321

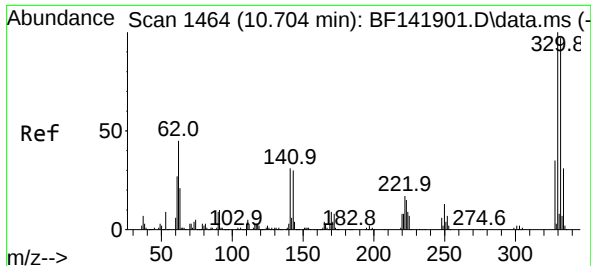
Tgt Ion: 82 Resp: 86700
Ion Ratio Lower Upper
82 100
128 44.1 36.0 54.0
54 47.9 39.6 59.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF141971.D
Acq: 14 Mar 2025 18:06

Tgt Ion:164 Resp: 174766
Ion Ratio Lower Upper
164 100
162 100.8 81.8 122.6
160 44.7 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 22.029 ng

RT: 10.710 min Scan# 1465

Delta R.T. 0.006 min

Lab File: BF141971.D

Acq: 14 Mar 2025 18:06

Instrument :

BNA_F

ClientSampleId :

RT2321

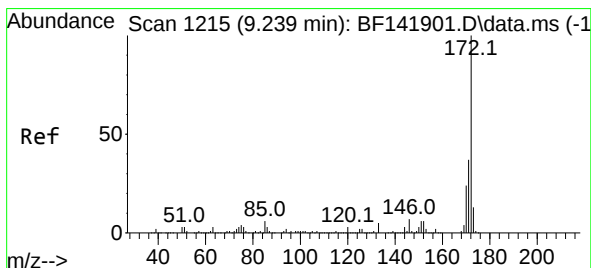
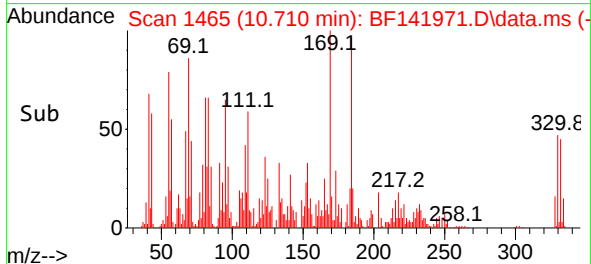
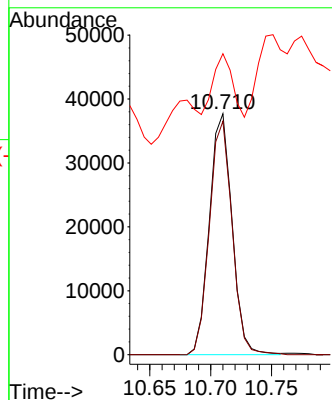
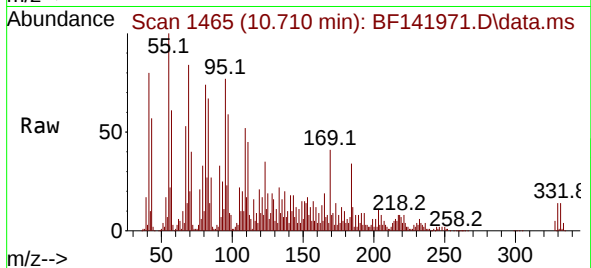
Tgt Ion:330 Resp: 48842

Ion Ratio Lower Upper

330 100

332 96.6 77.6 116.4

141 21.6 24.7 37.1#



#45

2-Fluorobiphenyl

Concen: 14.714 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF141971.D

Acq: 14 Mar 2025 18:06

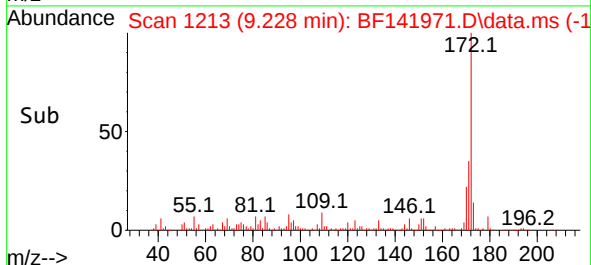
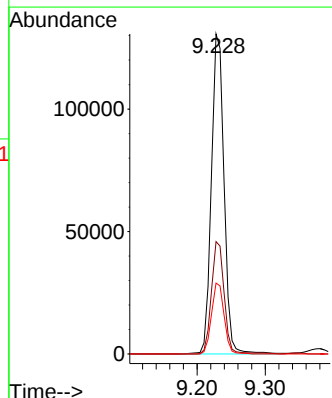
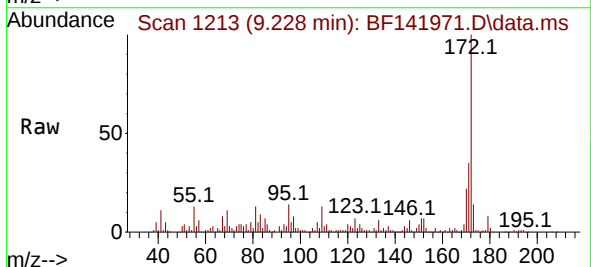
Tgt Ion:172 Resp: 169086

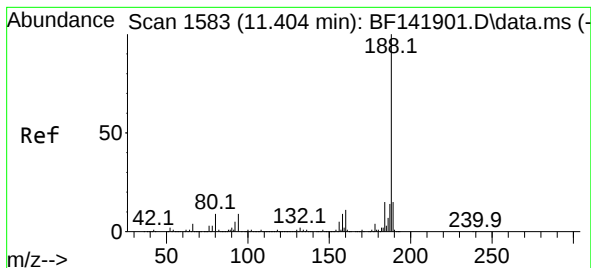
Ion Ratio Lower Upper

172 100

171 35.1 29.3 43.9

170 22.1 19.4 29.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1586

Delta R.T. 0.018 min

Lab File: BF141971.D

Acq: 14 Mar 2025 18:06

Instrument :

BNA_F

ClientSampleId :

RT2321

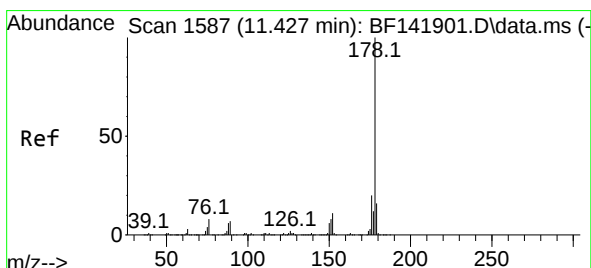
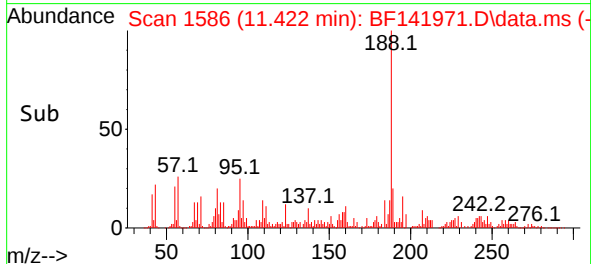
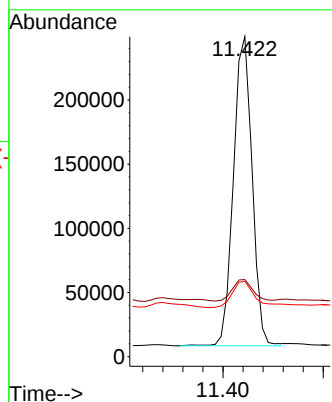
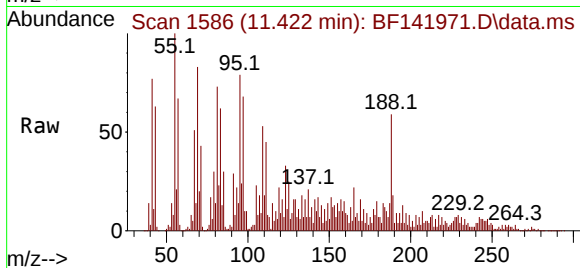
Tgt Ion:188 Resp: 311287

Ion Ratio Lower Upper

188 100

94 24.1 6.8 10.2#

80 23.6 7.6 11.4#



#71

Phenanthrene

Concen: 9.745 ng

RT: 11.445 min Scan# 1590

Delta R.T. 0.018 min

Lab File: BF141971.D

Acq: 14 Mar 2025 18:06

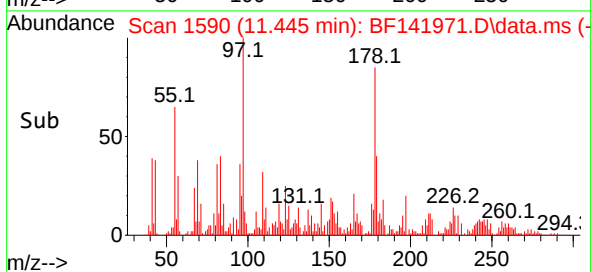
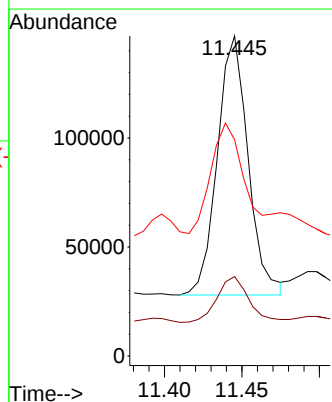
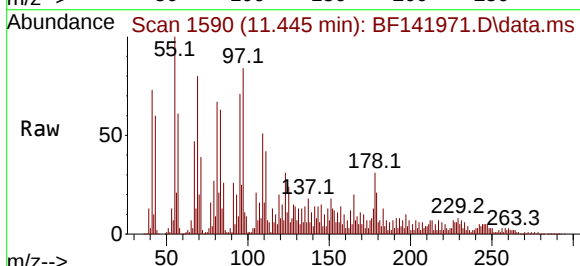
Tgt Ion:178 Resp: 163851

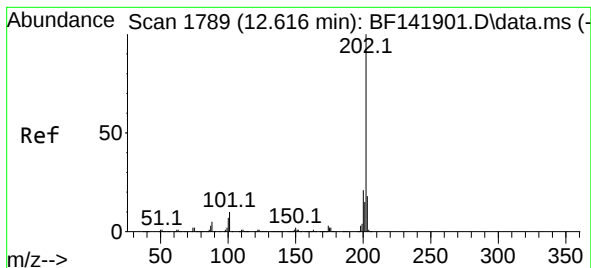
Ion Ratio Lower Upper

178 100

176 24.8 15.8 23.8#

179 67.5 12.6 19.0#





#75

Fluoranthene

Concen: 3.155 ng

RT: 12.639 min Scan# 1

Delta R.T. 0.024 min

Lab File: BF141971.D

Acq: 14 Mar 2025 18:06

Instrument :

BNA_F

ClientSampleId :

RT2321

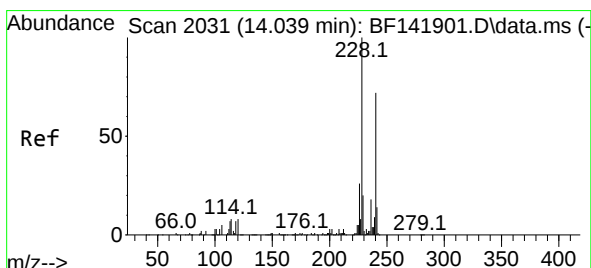
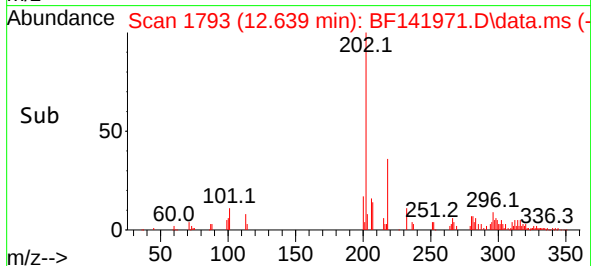
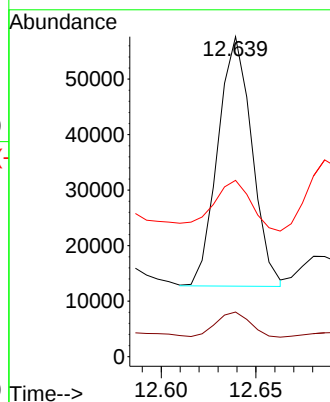
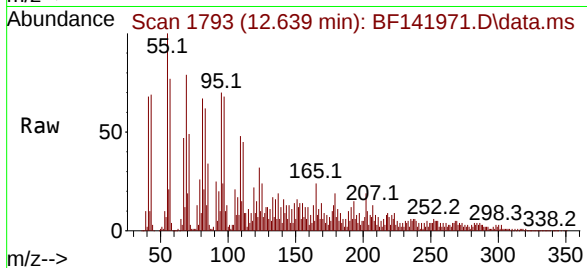
Tgt Ion:202 Resp: 56263

Ion Ratio Lower Upper

202 100

101 13.9 0.0 29.7

203 55.1 0.0 37.8#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. 0.006 min

Lab File: BF141971.D

Acq: 14 Mar 2025 18:06

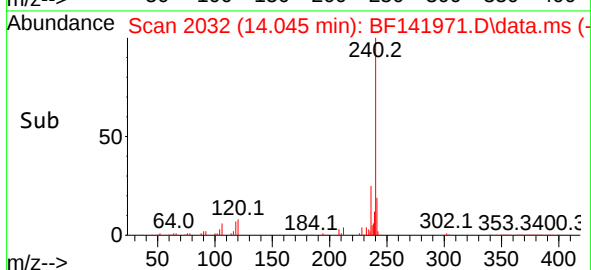
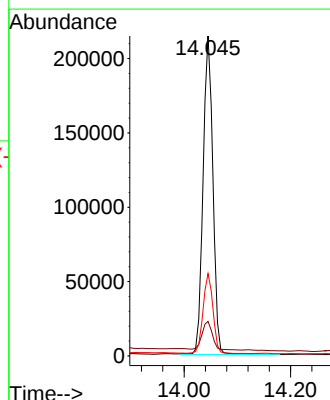
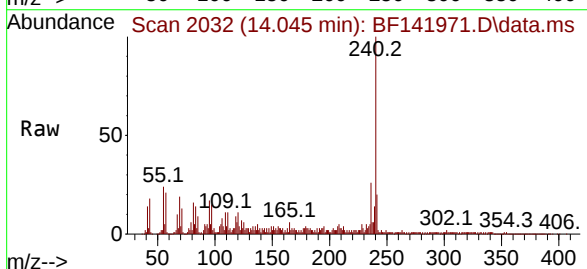
Tgt Ion:240 Resp: 274363

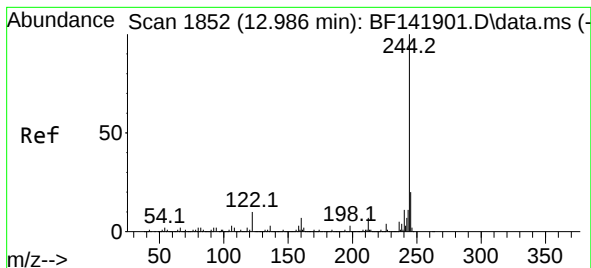
Ion Ratio Lower Upper

240 100

120 10.8 8.4 12.6

236 25.8 20.5 30.7





#79

Terphenyl-d14

Concen: 13.597 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.012 min

Lab File: BF141971.D

Acq: 14 Mar 2025 18:06

Instrument :

BNA_F

ClientSampleId :

RT2321

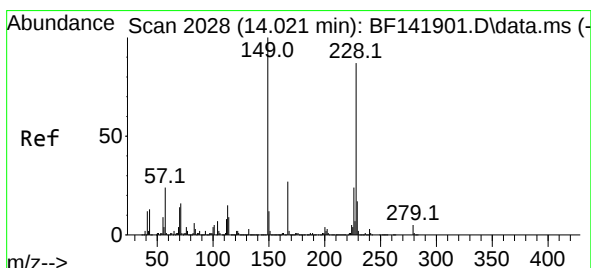
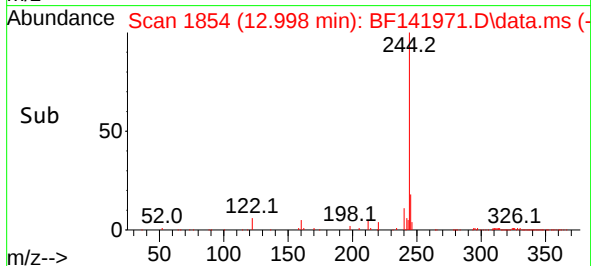
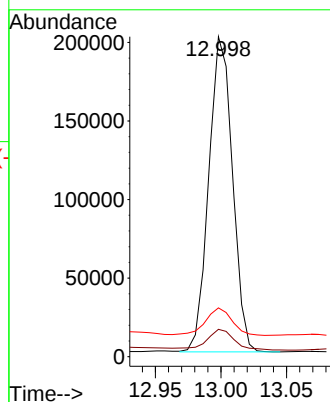
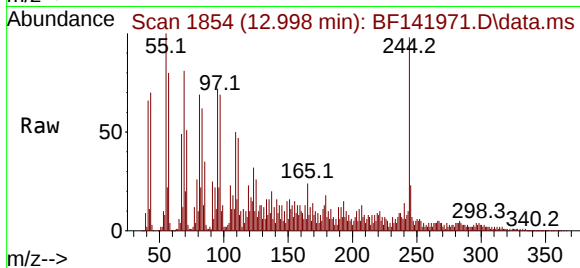
Tgt Ion:244 Resp: 252332

Ion Ratio Lower Upper

244 100

212 8.6 6.0 9.0

122 15.3 7.7 11.5#



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.718 ng

RT: 14.022 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF141971.D

Acq: 14 Mar 2025 18:06

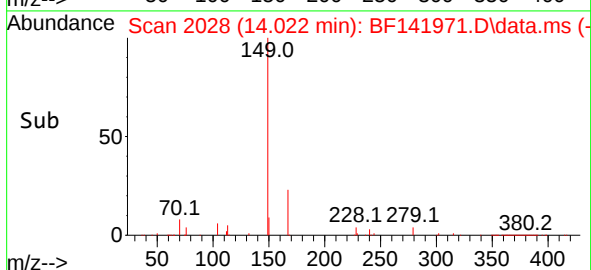
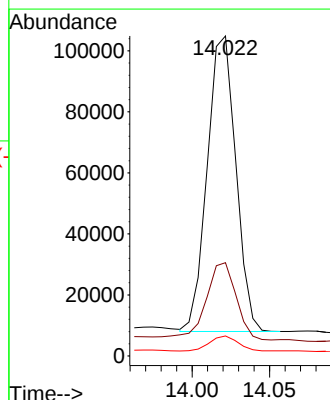
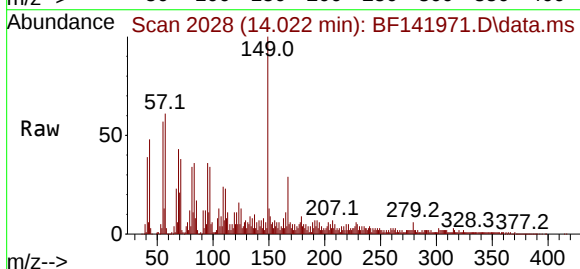
Tgt Ion:149 Resp: 124458

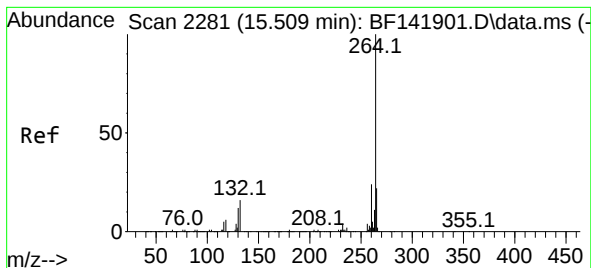
Ion Ratio Lower Upper

149 100

167 29.2 21.4 32.0

279 6.3 3.8 5.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 2281

Delta R.T. 0.000 min

Lab File: BF141971.D

Acq: 14 Mar 2025 18:06

Instrument :

BNA_F

ClientSampleId :

RT2321

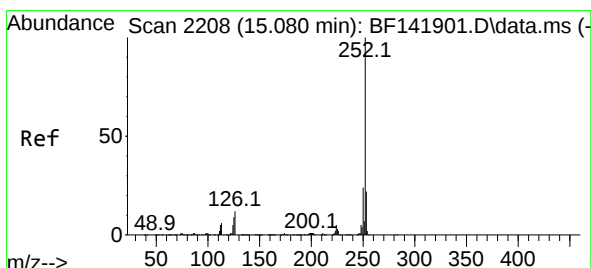
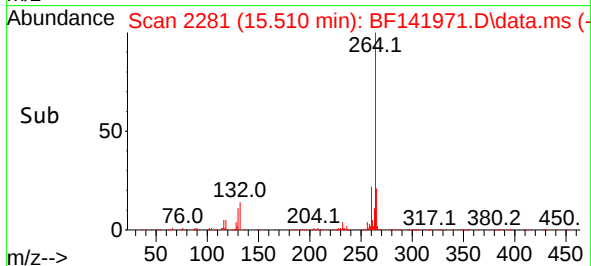
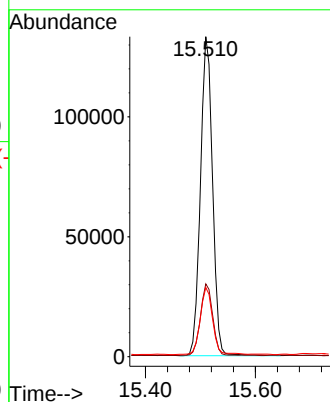
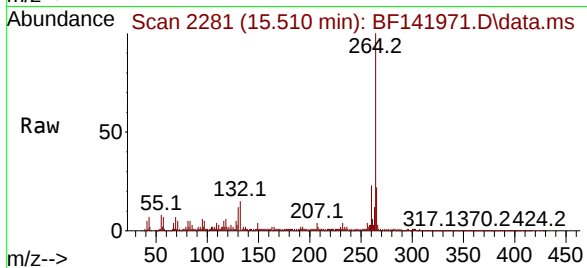
Tgt Ion:264 Resp: 203158

Ion Ratio Lower Upper

264 100

260 22.8 19.1 28.7

265 21.6 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 2.025 ng m

RT: 15.080 min Scan# 2208

Delta R.T. 0.000 min

Lab File: BF141971.D

Acq: 14 Mar 2025 18:06

Tgt Ion:252 Resp: 28199

Ion Ratio Lower Upper

252 100

253 32.2 17.5 26.3#

125 30.0 7.0 10.4#

