

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022425\
 Data File : BF141749.D
 Acq On : 24 Feb 2025 17:38
 Operator : RC/JU
 Sample : Q1411-03 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-03-02212025

Quant Time: Feb 25 00:10:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

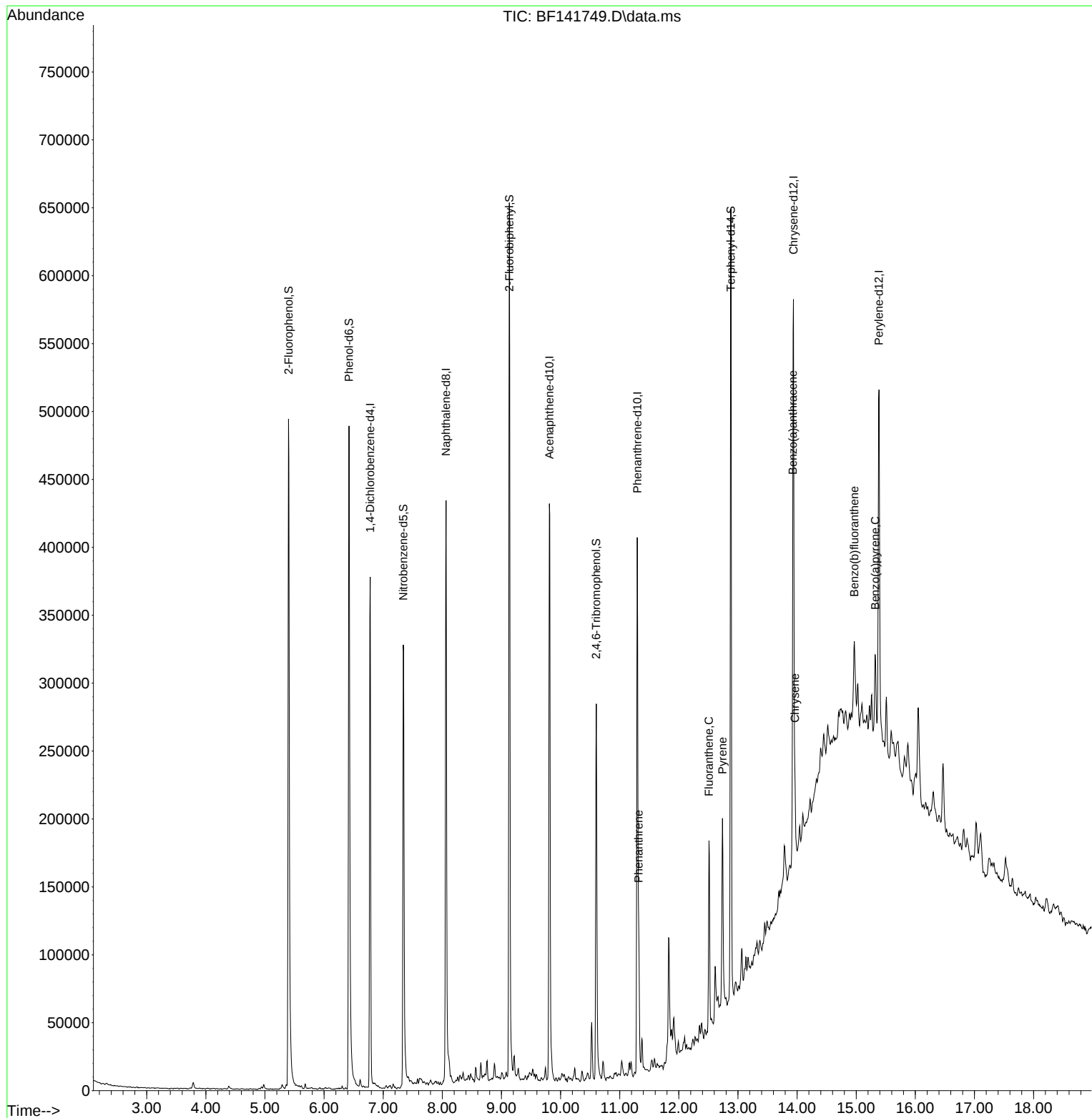
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	82360	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	306600	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	140230	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	210650	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	190511	20.000	ng	-0.02
86) Perylene-d12	15.386	264	148532	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	230792	43.932	ng	-0.01
7) Phenol-d6	6.422	99	272427	41.029	ng	-0.02
23) Nitrobenzene-d5	7.339	82	174422	29.672	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	49668	35.259	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	305057	33.515	ng	-0.02
79) Terphenyl-d14	12.880	244	282323	25.017	ng	-0.02
Target Compounds						
						Qvalue
71) Phenanthrene	11.322	178	48373	4.172	ng	98
75) Fluoranthene	12.510	202	84765	6.895	ng	99
78) Pyrene	12.739	202	84558	5.214	ng	98
81) Benzo(a)anthracene	13.927	228	39282	3.102	ng	# 94
83) Chrysene	13.963	228	31845	2.723	ng	# 93
88) Benzo(b)fluoranthene	14.968	252	30913m	3.100	ng	
90) Benzo(a)pyrene	15.321	252	23780	2.947	ng	# 81

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

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Misc :
ALS Vial : 17 Sample Multiplier: 1

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Quant Time: Feb 25 00:10:08 2025
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Response via : Initial Calibration

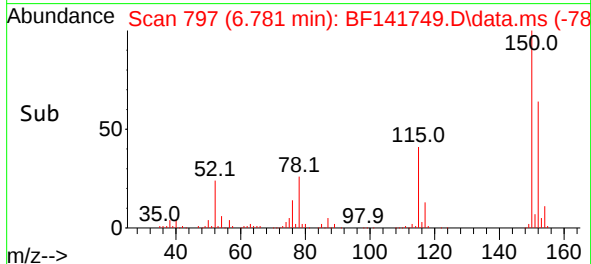
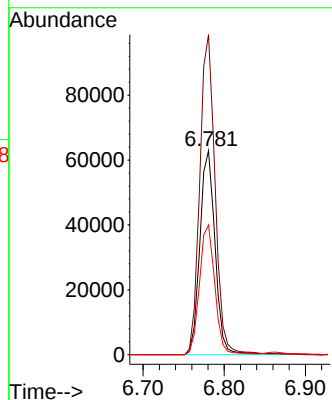
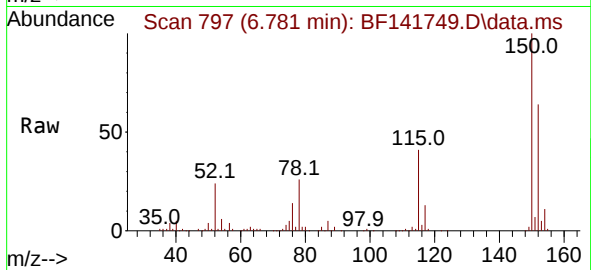




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141749.D
Acq: 24 Feb 2025 17:38

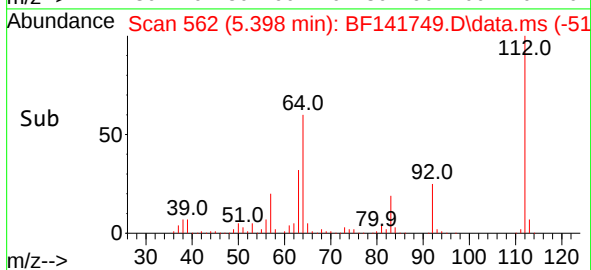
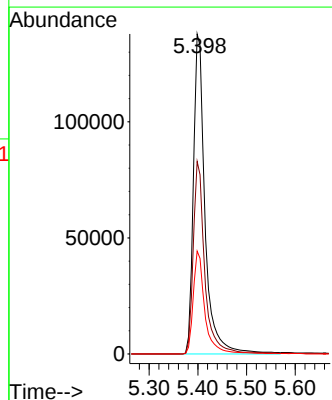
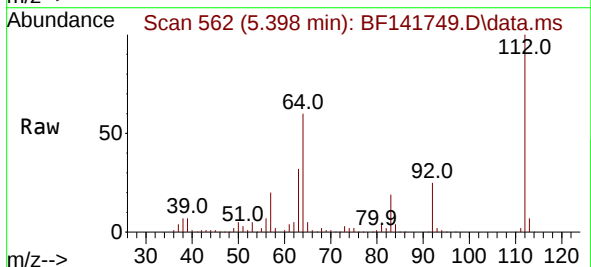
Instrument :
BNA_F
ClientSampleId :
HR-03-02212025

Tgt Ion:152 Resp: 82360
Ion Ratio Lower Upper
152 100
150 156.9 125.0 187.4
115 63.7 53.6 80.4



#5
2-Fluorophenol
Concen: 43.932 ng
RT: 5.398 min Scan# 562
Delta R.T. -0.012 min
Lab File: BF141749.D
Acq: 24 Feb 2025 17:38

Tgt Ion:112 Resp: 230792
Ion Ratio Lower Upper
112 100
64 60.1 51.1 76.7
63 32.2 28.4 42.6

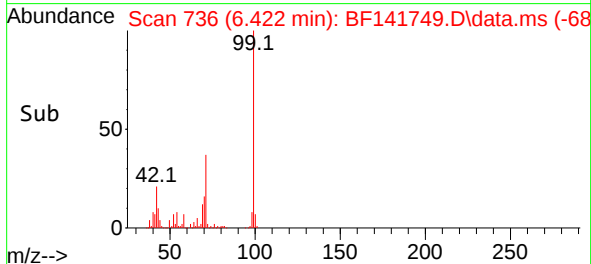
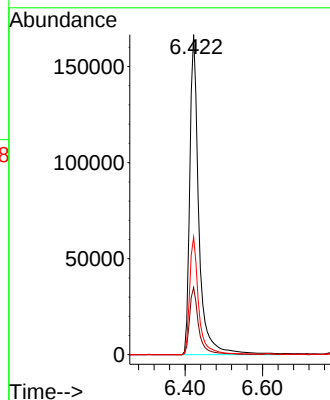
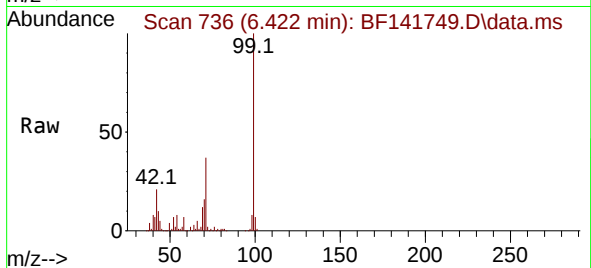




#7
Phenol-d6
Concen: 41.029 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141749.D
Acq: 24 Feb 2025 17:38

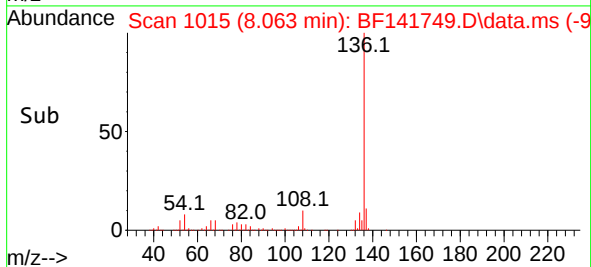
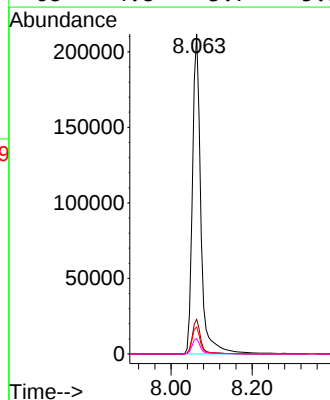
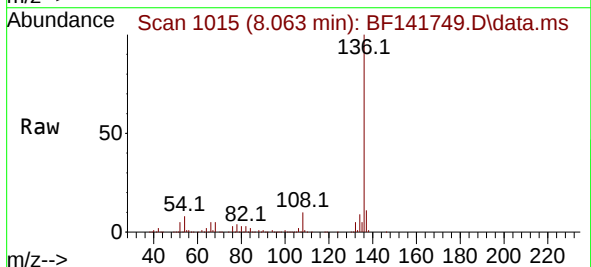
Instrument :
BNA_F
ClientSampleId :
HR-03-02212025

Tgt Ion: 99 Resp: 272427
Ion Ratio Lower Upper
99 100
42 21.0 19.1 28.7
71 36.8 31.1 46.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141749.D
Acq: 24 Feb 2025 17:38

Tgt Ion: 136 Resp: 306600
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.4 7.2 10.8
68 4.8 3.7 5.5

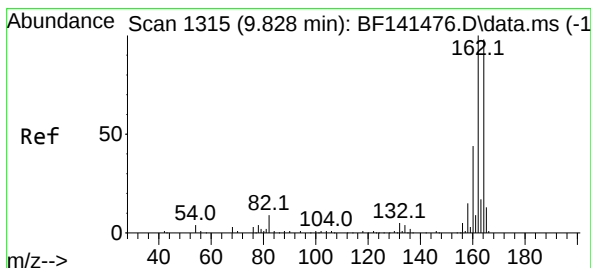
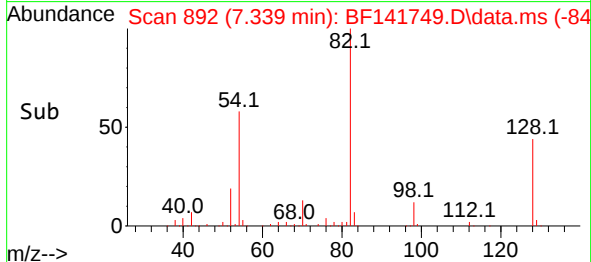
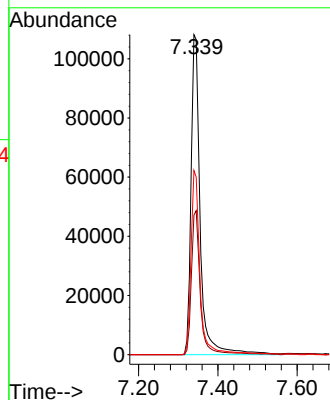
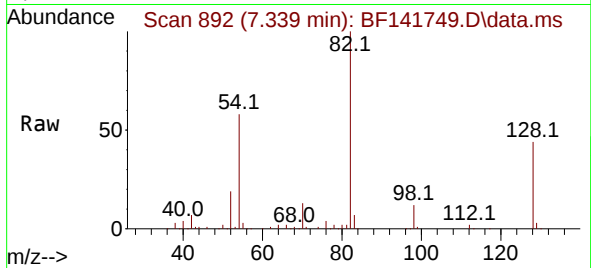




#23
 Nitrobenzene-d5
 Concen: 29.672 ng
 RT: 7.339 min Scan# 89
 Delta R.T. -0.023 min
 Lab File: BF141749.D
 Acq: 24 Feb 2025 17:38

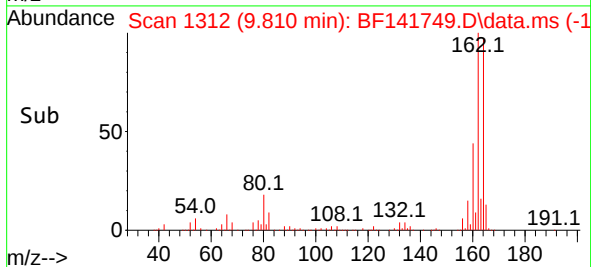
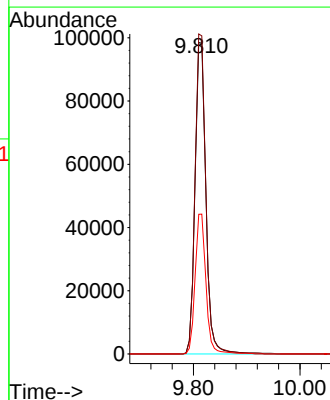
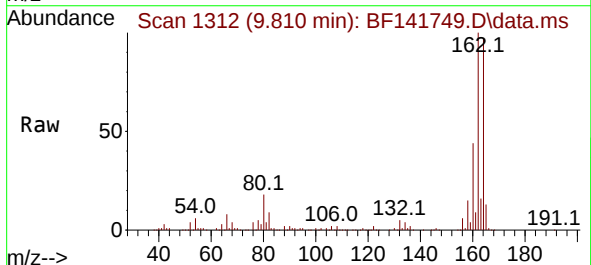
Instrument :
 BNA_F
 ClientSampleId :
 HR-03-02212025

Tgt Ion: 82 Resp: 174422
 Ion Ratio Lower Upper
 82 100
 128 43.6 34.8 52.2
 54 57.6 48.2 72.4



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.810 min Scan# 1312
 Delta R.T. -0.023 min
 Lab File: BF141749.D
 Acq: 24 Feb 2025 17:38

Tgt Ion:164 Resp: 140230
 Ion Ratio Lower Upper
 164 100
 162 102.8 81.3 121.9
 160 44.9 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 35.259 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.023 min

Lab File: BF141749.D

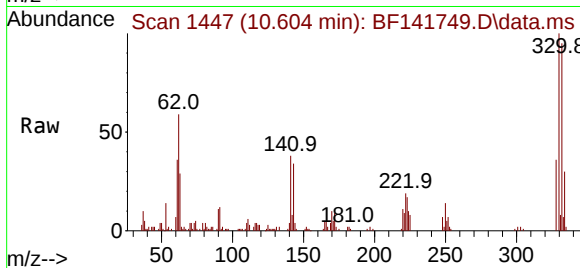
Acq: 24 Feb 2025 17:38

Instrument :

BNA_F

ClientSampleId :

HR-03-02212025



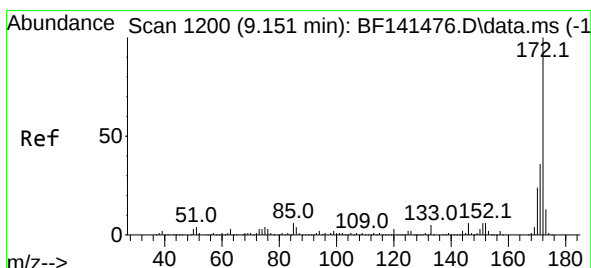
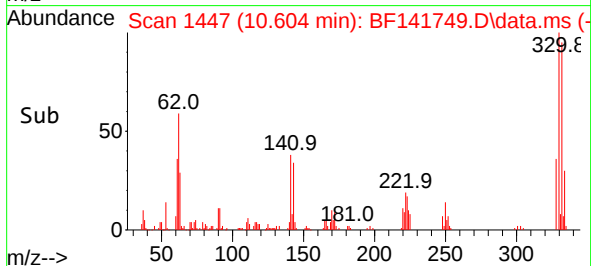
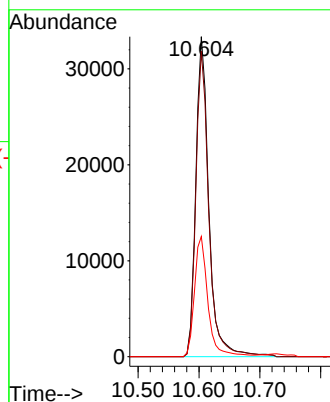
Tgt Ion:330 Resp: 49668

Ion Ratio Lower Upper

330 100

332 95.2 78.5 117.7

141 38.7 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 33.515 ng

RT: 9.133 min Scan# 1197

Delta R.T. -0.018 min

Lab File: BF141749.D

Acq: 24 Feb 2025 17:38

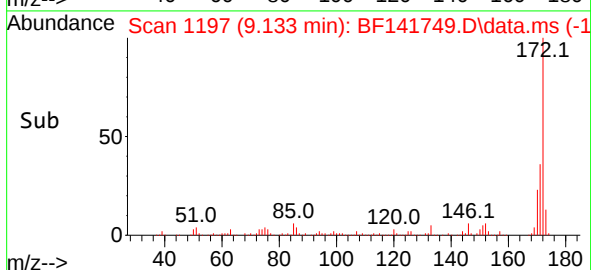
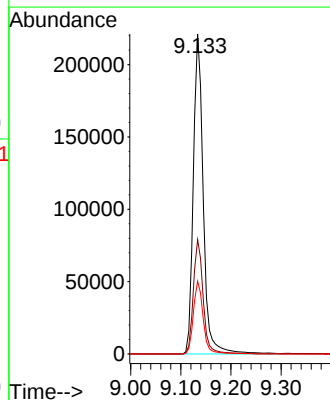
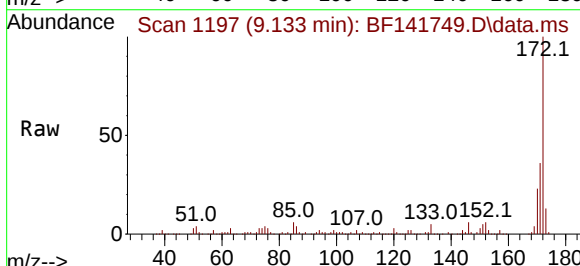
Tgt Ion:172 Resp: 305057

Ion Ratio Lower Upper

172 100

171 35.8 28.7 43.1

170 22.8 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF141749.D

Acq: 24 Feb 2025 17:38

Instrument :

BNA_F

ClientSampleId :

HR-03-02212025

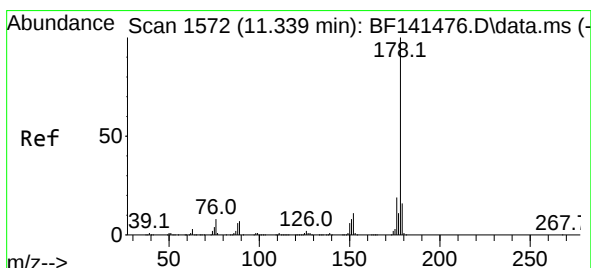
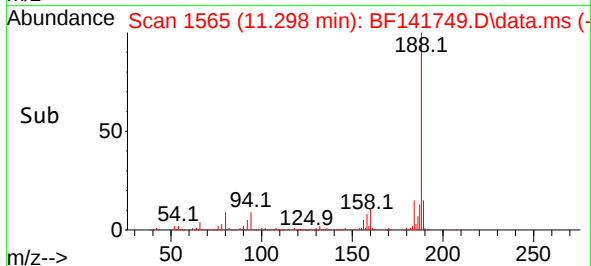
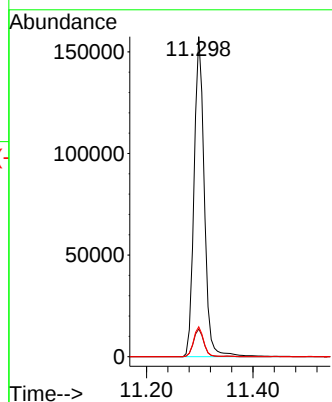
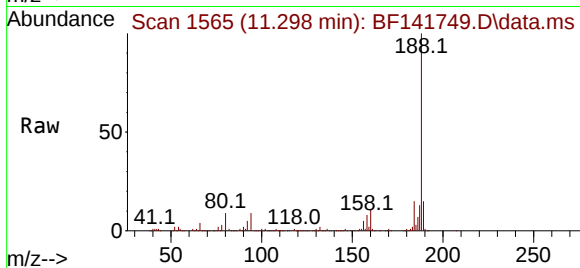
Tgt Ion:188 Resp: 210650

Ion Ratio Lower Upper

188 100

94 8.7 6.6 10.0

80 9.3 7.3 10.9



#71

Phenanthrene

Concen: 4.172 ng

RT: 11.322 min Scan# 1569

Delta R.T. -0.023 min

Lab File: BF141749.D

Acq: 24 Feb 2025 17:38

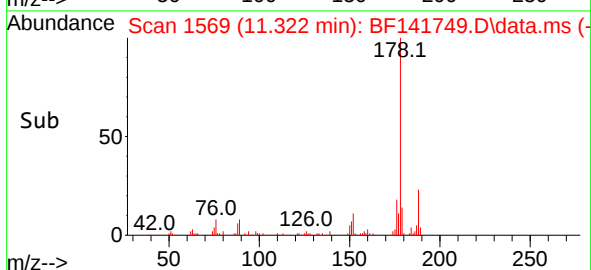
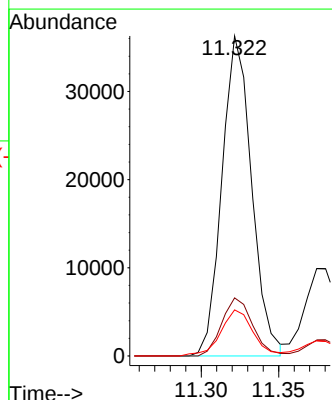
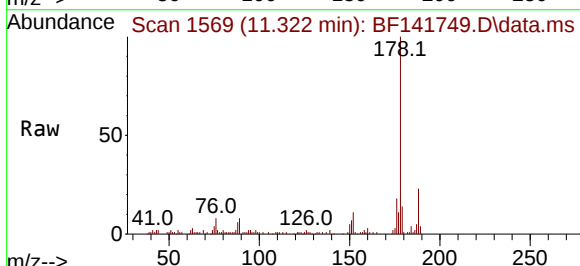
Tgt Ion:178 Resp: 48373

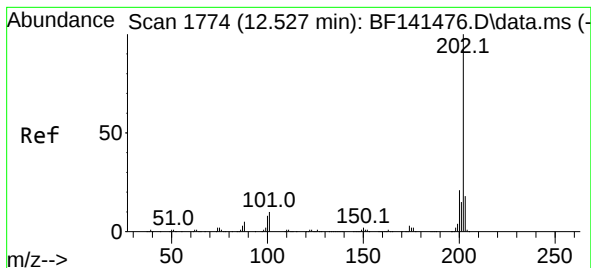
Ion Ratio Lower Upper

178 100

176 18.2 15.4 23.0

179 14.4 12.4 18.6





#75

Fluoranthene

Concen: 6.895 ng

RT: 12.510 min Scan# 1

Delta R.T. -0.023 min

Lab File: BF141749.D

Acq: 24 Feb 2025 17:38

Instrument :

BNA_F

ClientSampleId :

HR-03-02212025

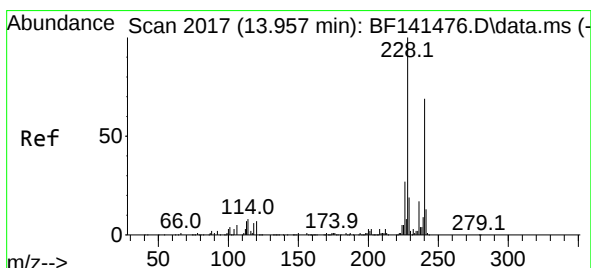
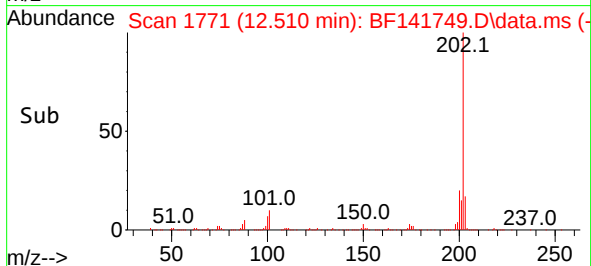
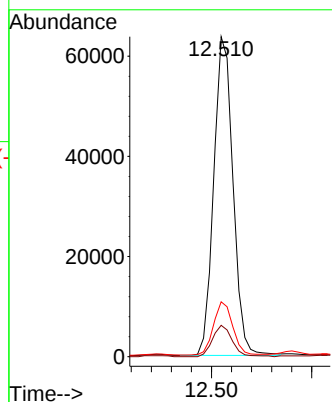
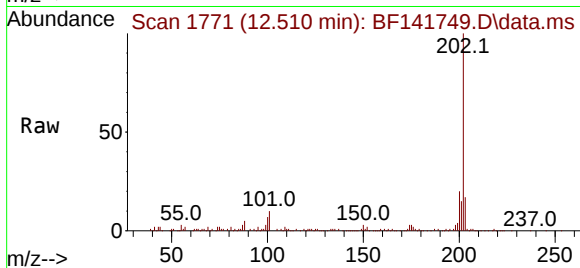
Tgt Ion:202 Resp: 84765

Ion Ratio Lower Upper

202 100

101 9.8 0.0 30.2

203 17.1 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2014

Delta R.T. -0.023 min

Lab File: BF141749.D

Acq: 24 Feb 2025 17:38

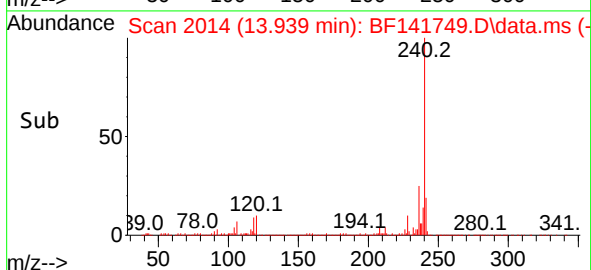
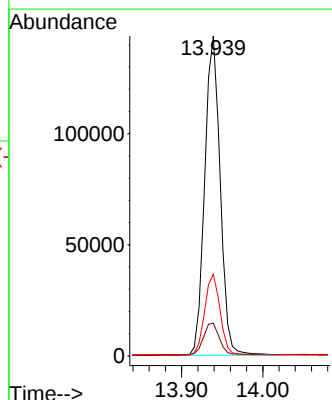
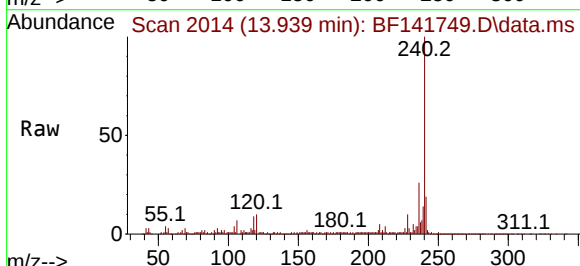
Tgt Ion:240 Resp: 190511

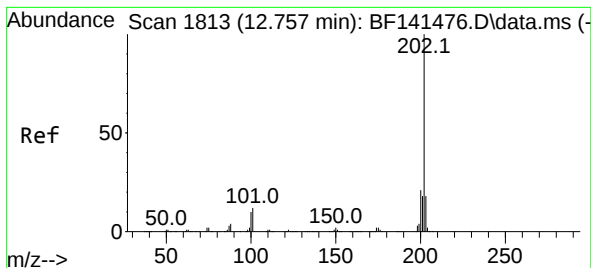
Ion Ratio Lower Upper

240 100

120 10.2 8.0 12.0

236 25.5 19.8 29.8





#78

Pyrene

Concen: 5.214 ng

RT: 12.739 min Scan# 1810

Delta R.T. -0.023 min

Lab File: BF141749.D

Acq: 24 Feb 2025 17:38

Instrument :

BNA_F

ClientSampleId :

HR-03-02212025

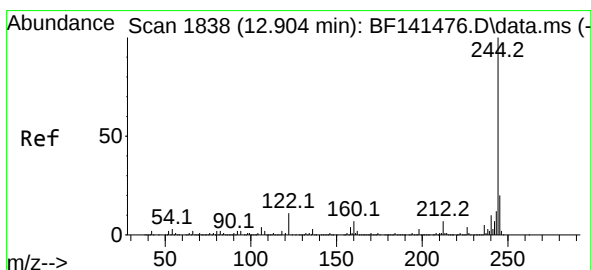
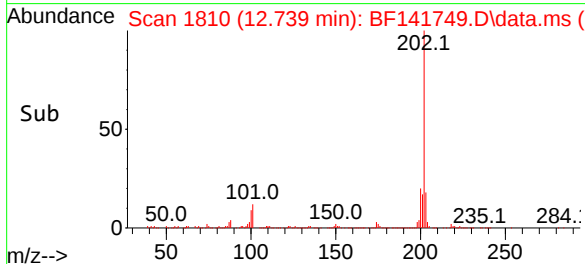
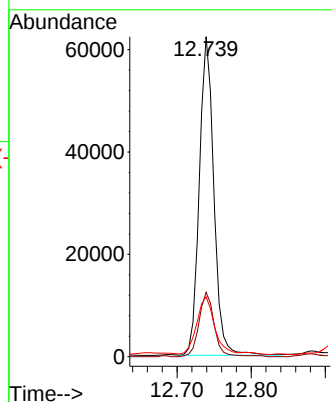
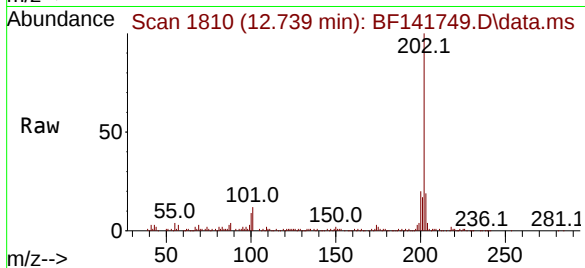
Tgt Ion:202 Resp: 84558

Ion Ratio Lower Upper

202 100

200 20.1 17.0 25.4

203 18.7 14.3 21.5



#79

Terphenyl-d14

Concen: 25.017 ng

RT: 12.880 min Scan# 1834

Delta R.T. -0.023 min

Lab File: BF141749.D

Acq: 24 Feb 2025 17:38

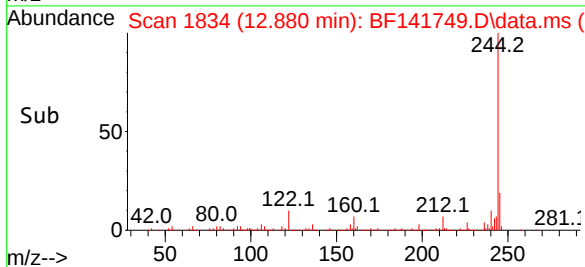
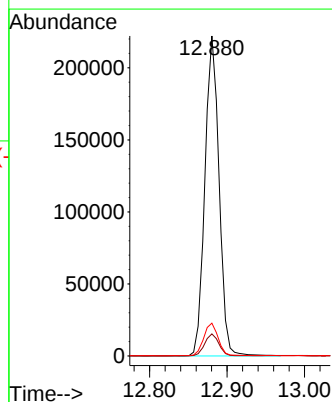
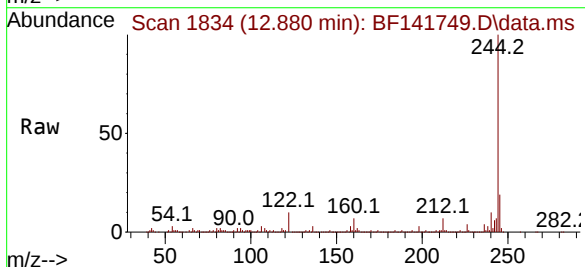
Tgt Ion:244 Resp: 282323

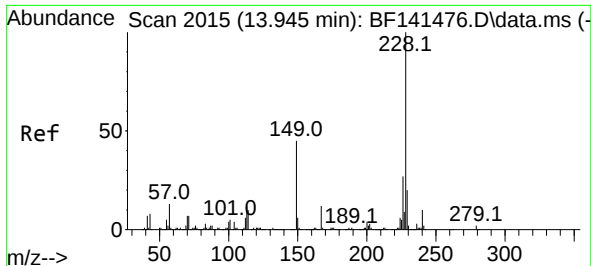
Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 10.3 8.4 12.6

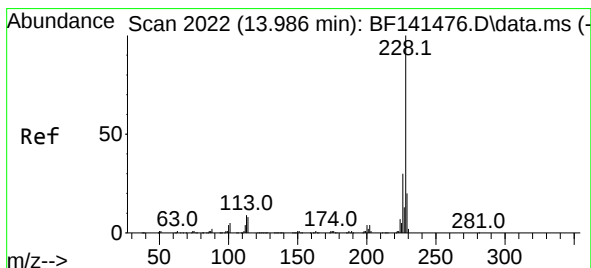
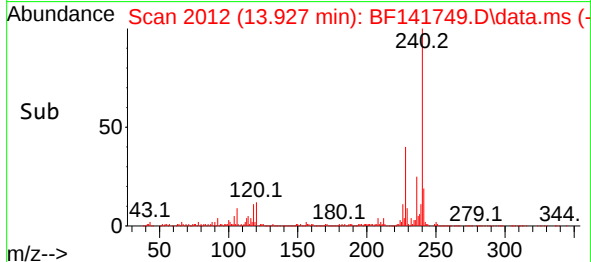
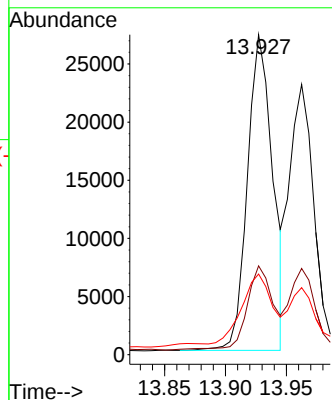
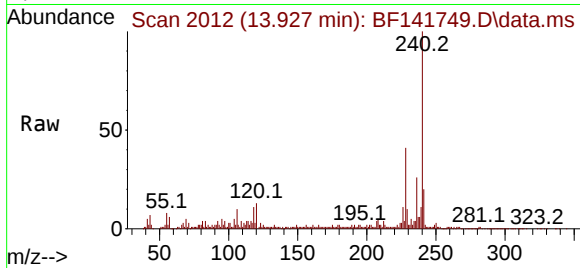




#81
Benzo(a)anthracene
Concen: 3.102 ng
RT: 13.927 min Scan# 2018
Delta R.T. -0.023 min
Lab File: BF141749.D
Acq: 24 Feb 2025 17:38

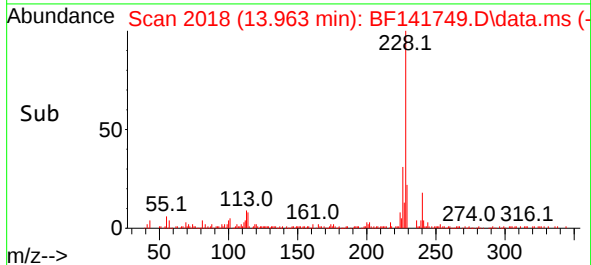
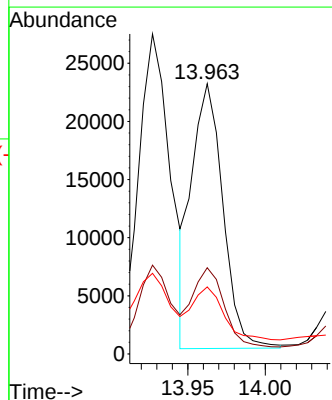
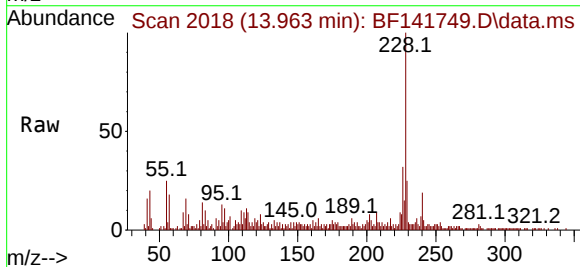
Instrument :
BNA_F
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HR-03-02212025

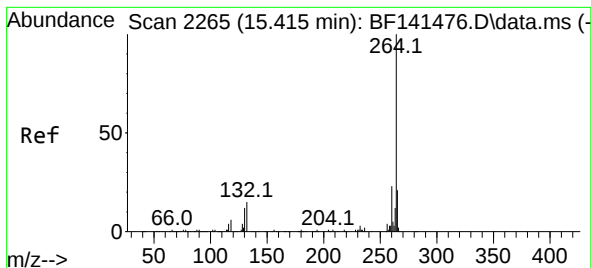
Tgt Ion:228 Resp: 39282
Ion Ratio Lower Upper
228 100
226 27.7 21.8 32.8
229 25.2 15.8 23.6#



#83
Chrysene
Concen: 2.723 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.029 min
Lab File: BF141749.D
Acq: 24 Feb 2025 17:38

Tgt Ion:228 Resp: 31845
Ion Ratio Lower Upper
228 100
226 31.9 24.0 36.0
229 24.8 15.7 23.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.386 min Scan# 2189

Delta R.T. -0.029 min

Lab File: BF141749.D

Acq: 24 Feb 2025 17:38

Instrument :

BNA_F

ClientSampleId :

HR-03-02212025

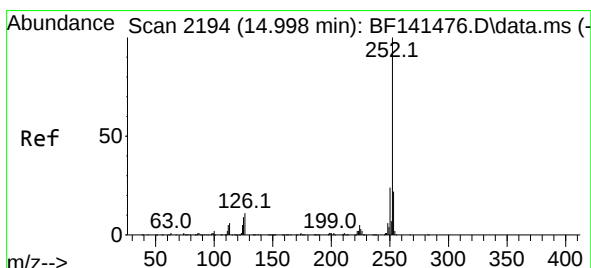
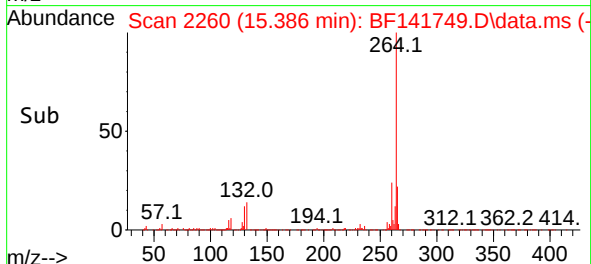
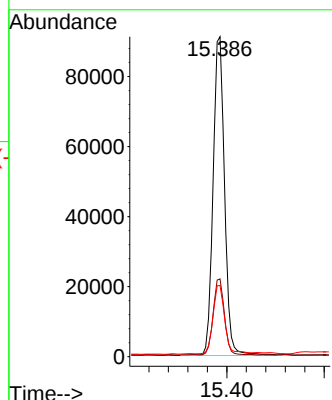
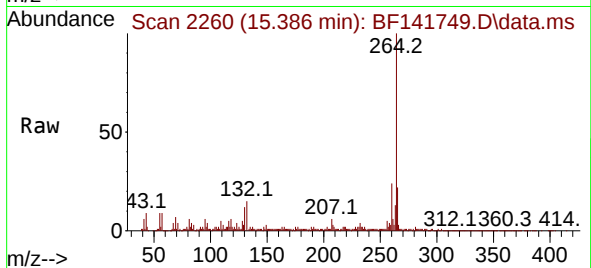
Tgt Ion:264 Resp: 148532

Ion Ratio Lower Upper

264 100

260 24.3 18.6 28.0

265 22.3 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 3.100 ng m

RT: 14.968 min Scan# 2189

Delta R.T. -0.035 min

Lab File: BF141749.D

Acq: 24 Feb 2025 17:38

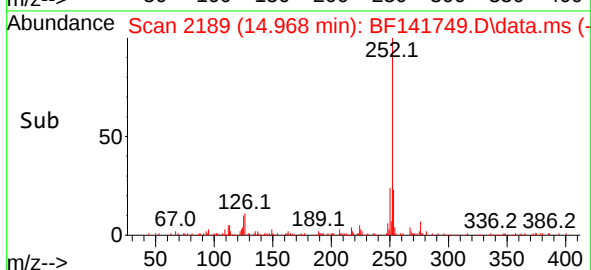
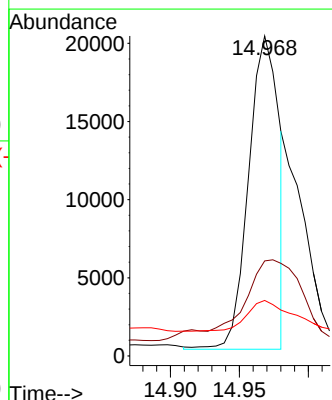
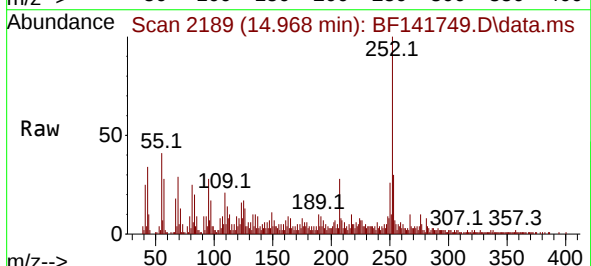
Tgt Ion:252 Resp: 30913

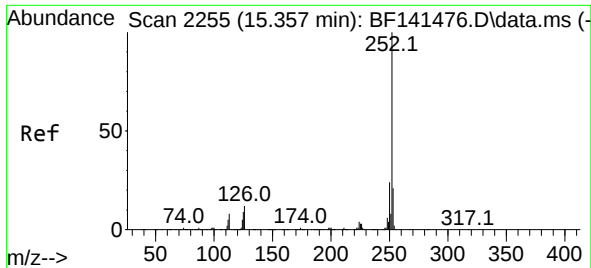
Ion Ratio Lower Upper

252 100

253 29.7 17.5 26.3#

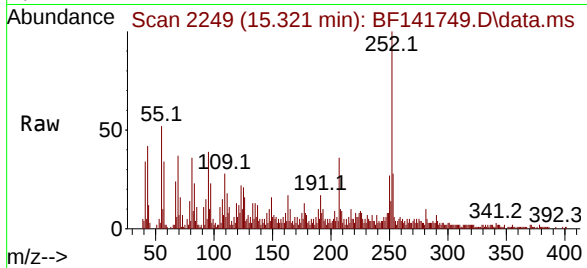
125 17.4 7.0 10.6#





#90
 Benzo(a)pyrene
 Concen: 2.947 ng
 RT: 15.321 min Scan# 21
 Delta R.T. -0.041 min
 Lab File: BF141749.D
 Acq: 24 Feb 2025 17:38

Instrument :
 BNA_F
 ClientSampleId :
 HR-03-02212025



Tgt Ion:252 Resp: 23780
 Ion Ratio Lower Upper
 252 100
 253 27.9 17.1 25.7#
 125 21.0 7.4 11.2#

