

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
 Data File : BF143938.D
 Acq On : 13 Oct 2025 18:00
 Operator : RC/JU
 Sample : Q3323-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SED-02-0-2

Quant Time: Oct 13 18:22:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

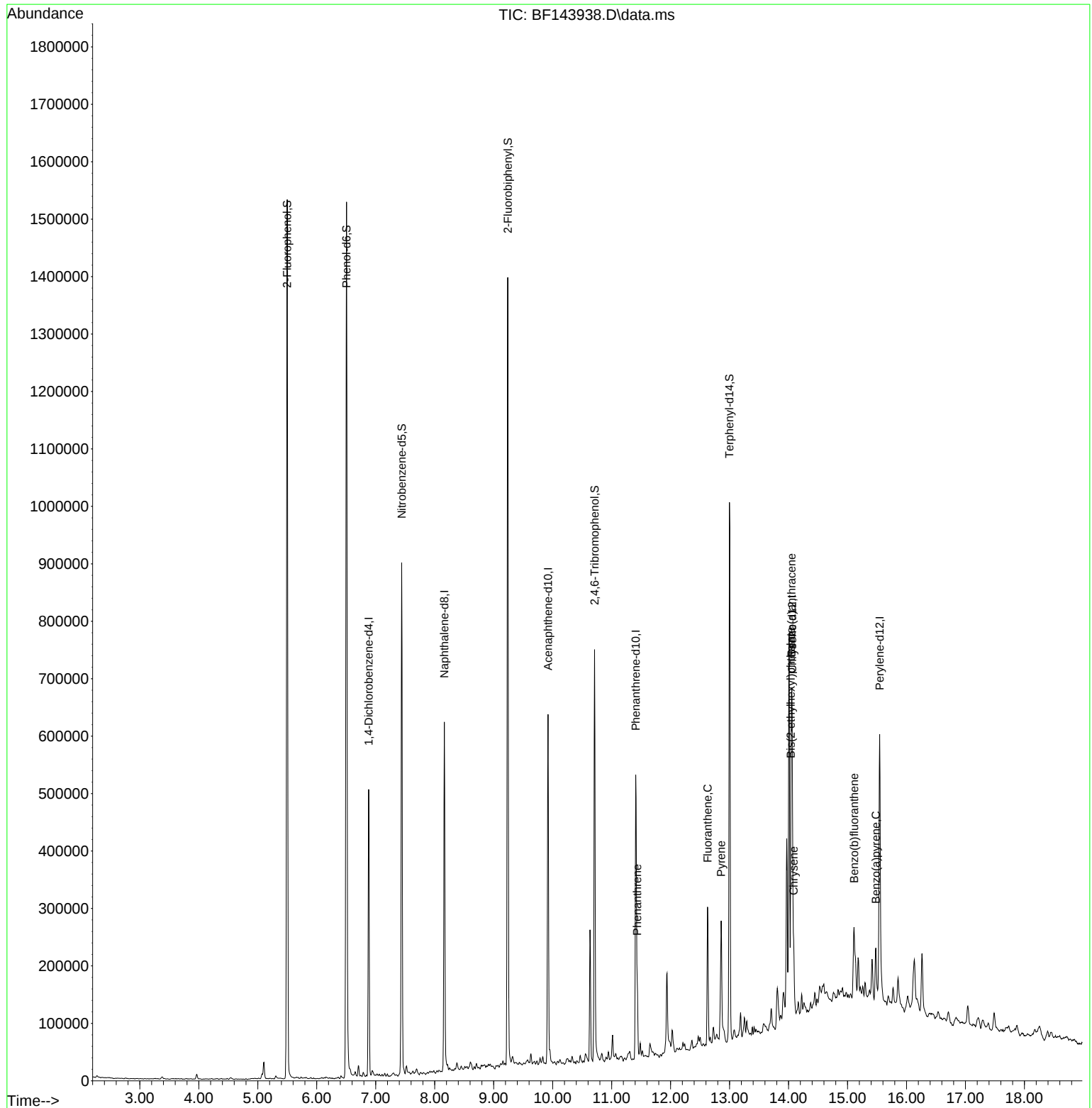
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	101798	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	377694	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	185168	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	262286	20.000	ng	# 0.00
76) Chrysene-d12	14.063	240	224418	20.000	ng	0.00
86) Perylene-d12	15.545	264	290653	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	583413	91.009	ng	0.00
7) Phenol-d6	6.504	99	687677	89.998	ng	-0.01
23) Nitrobenzene-d5	7.440	82	373027	60.004	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	131356	71.222	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	648068	55.534	ng	-0.01
79) Terphenyl-d14	12.998	244	493407	37.576	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	11.433	178	63073	4.960	ng	98
75) Fluoranthene	12.627	202	138552	10.549	ng	98
78) Pyrene	12.857	202	120171	6.423	ng	97
81) Benzo(a)anthracene	14.051	228	65381m	4.452	ng	
83) Chrysene	14.086	228	65137	4.792	ng	98
84) Bis(2-ethylhexyl)phtha...	14.039	149	15404	2.103	ng	# 81
88) Benzo(b)fluoranthene	15.110	252	84127m	5.039	ng	
90) Benzo(a)pyrene	15.480	252	55312	3.821	ng	# 94

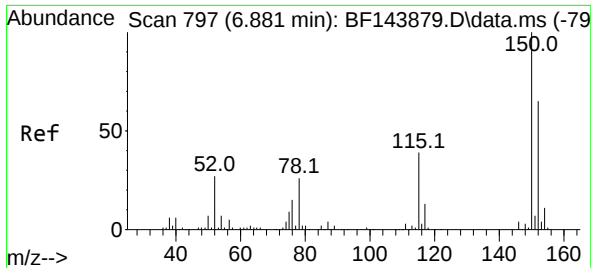
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 9 Sample Multiplier: 1

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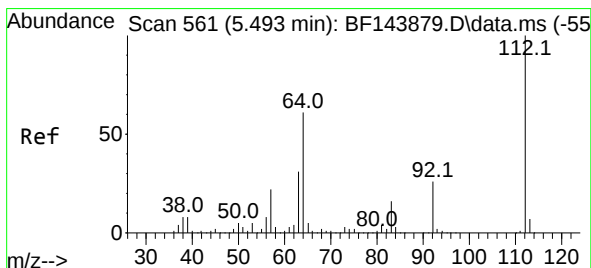
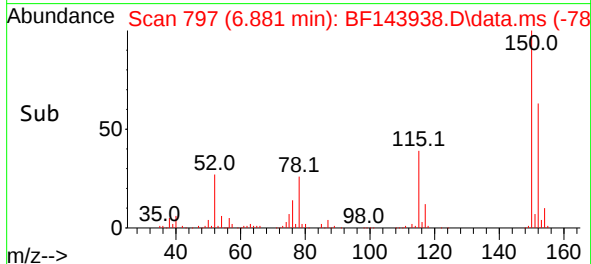
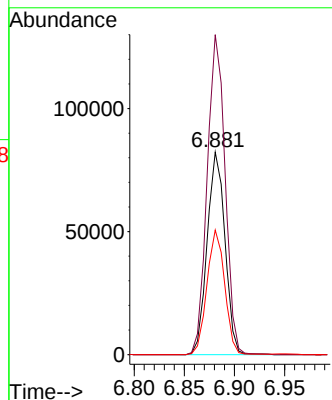
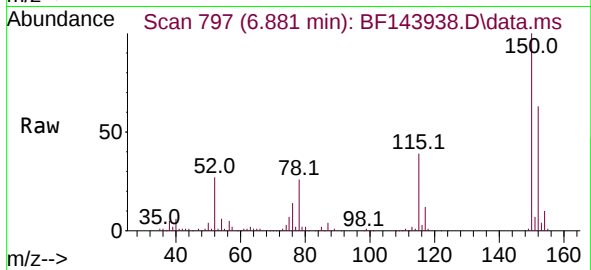




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

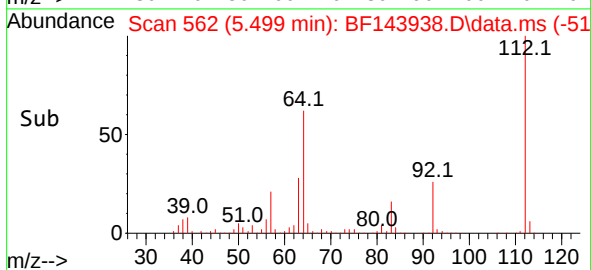
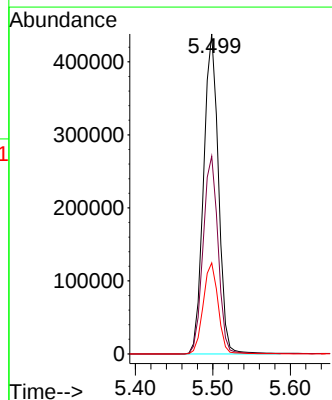
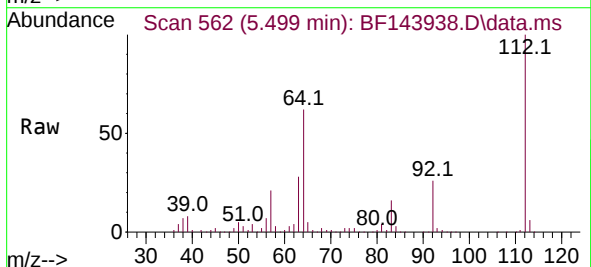
Instrument :
BNA_F
ClientSampleId :
SED-02-0-2

Tgt Ion:152 Resp: 101798
Ion Ratio Lower Upper
152 100
150 158.0 124.4 186.6
115 61.5 48.1 72.1



#5
2-Fluorophenol
Concen: 91.009 ng
RT: 5.499 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Tgt Ion:112 Resp: 583413
Ion Ratio Lower Upper
112 100
64 61.8 49.1 73.7
63 28.4 24.5 36.7

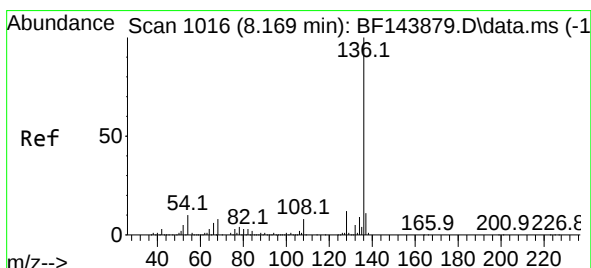
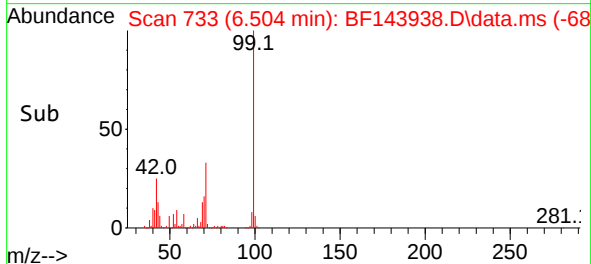
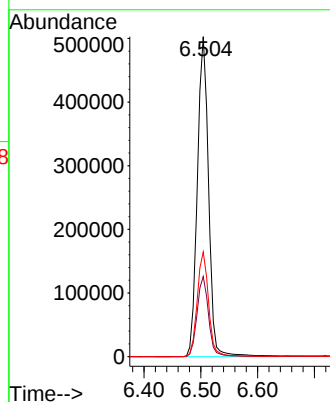
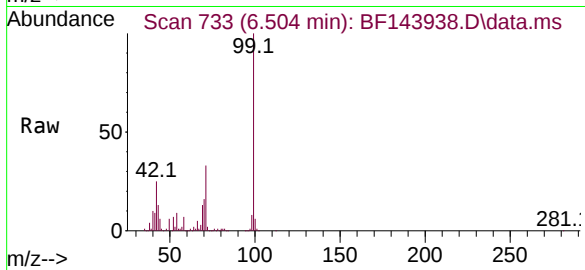




#7
Phenol-d6
Concen: 89.998 ng
RT: 6.504 min Scan# 733
Delta R.T. -0.012 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

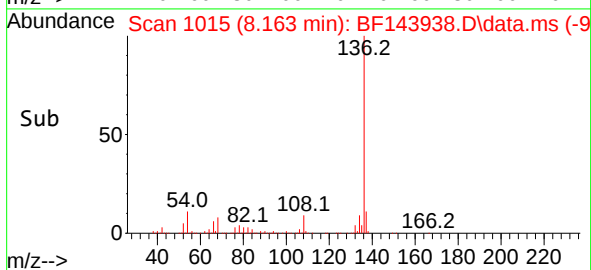
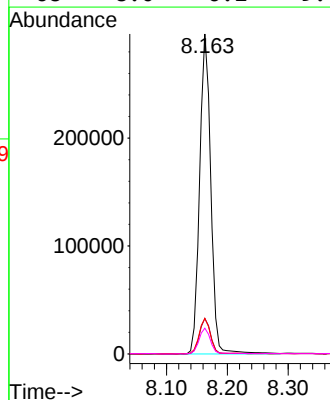
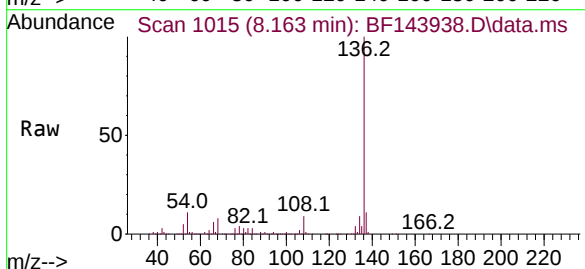
Instrument :
BNA_F
ClientSampleId :
SED-02-0-2

Tgt Ion: 99	Resp: 687677
Ion Ratio	Lower Upper
99 100	
42 25.0	21.0 31.4
71 32.7	27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Tgt	Ion:136	Resp:	377694
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	11.1	8.2	12.4
68	8.0	6.2	9.4





#23

Nitrobenzene-d5

Concen: 60.004 ng

RT: 7.440 min Scan# 893

Delta R.T. -0.017 min

Lab File: BF143938.D

Acq: 13 Oct 2025 18:00

Instrument :

BNA_F

ClientSampleId :

SED-02-0-2

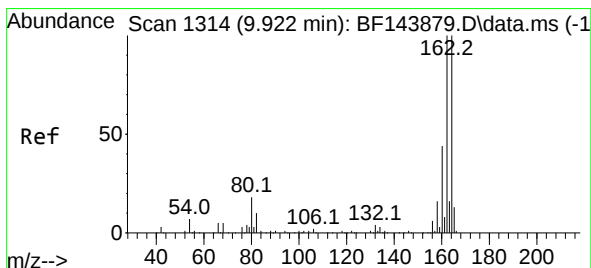
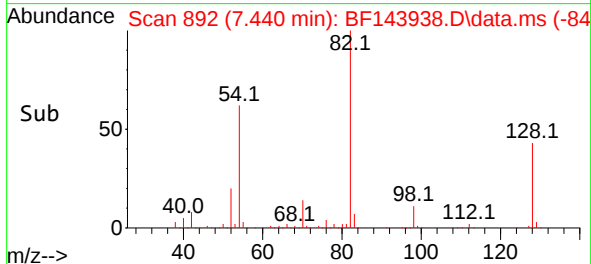
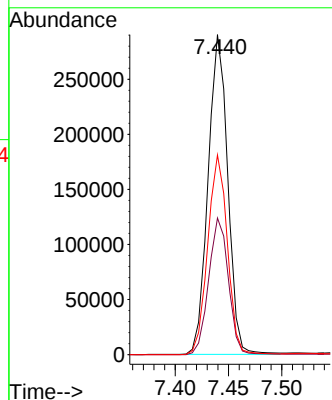
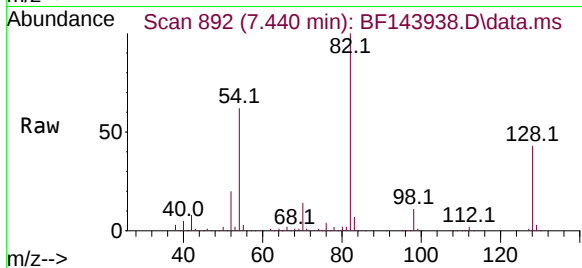
Tgt Ion: 82 Resp: 373027

Ion Ratio Lower Upper

82 100

128 42.7 34.0 51.0

54 62.4 53.2 79.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.005 min

Lab File: BF143938.D

Acq: 13 Oct 2025 18:00

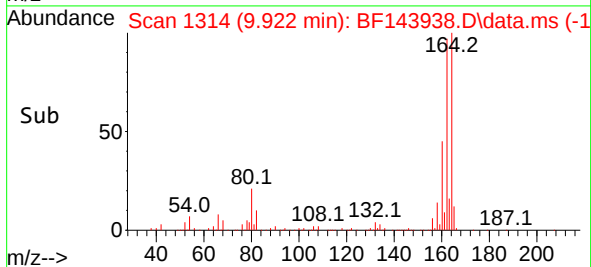
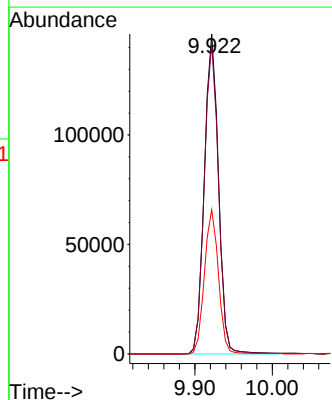
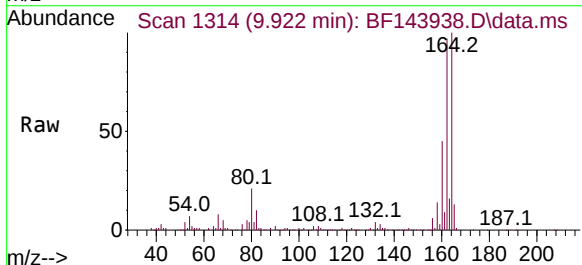
Tgt Ion: 164 Resp: 185168

Ion Ratio Lower Upper

164 100

162 97.0 80.2 120.2

160 45.0 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 71.222 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF143938.D

Acq: 13 Oct 2025 18:00

Instrument :

BNA_F

ClientSampleId :

SED-02-0-2

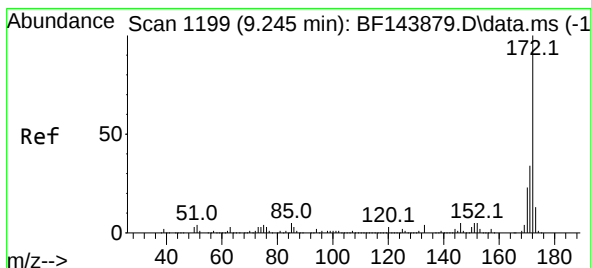
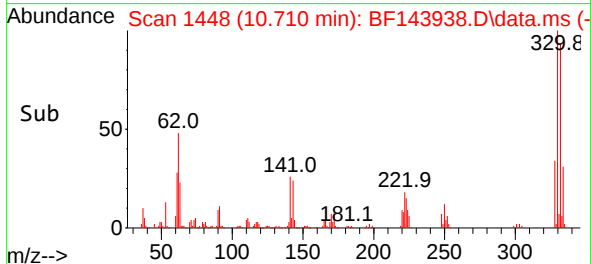
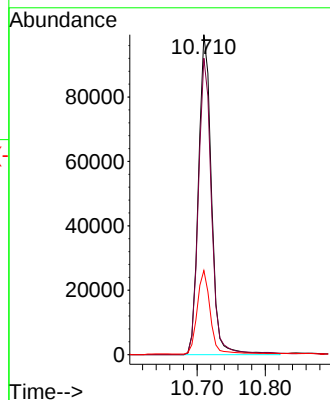
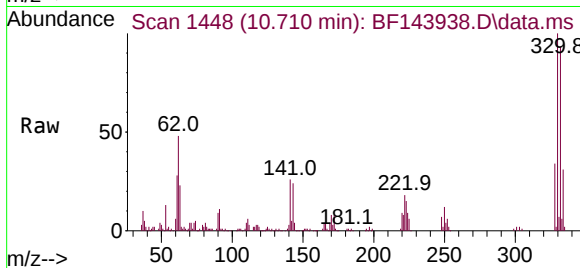
Tgt Ion:330 Resp: 131356

Ion Ratio Lower Upper

330 100

332 92.7 76.9 115.3

141 26.4 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 55.534 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF143938.D

Acq: 13 Oct 2025 18:00

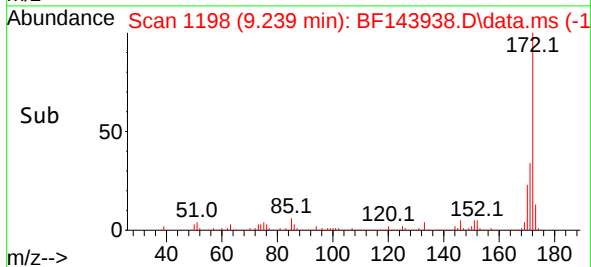
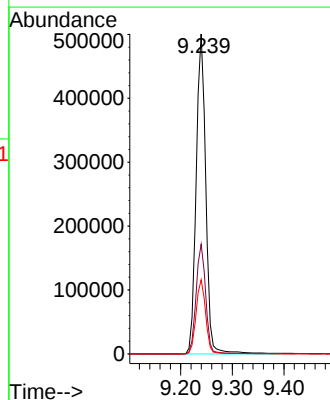
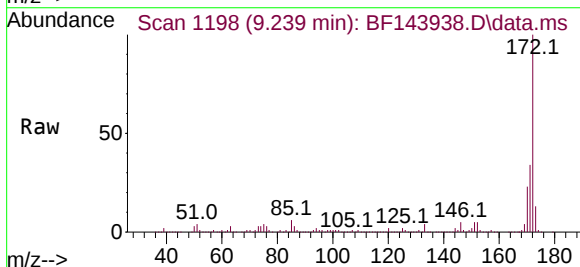
Tgt Ion:172 Resp: 648068

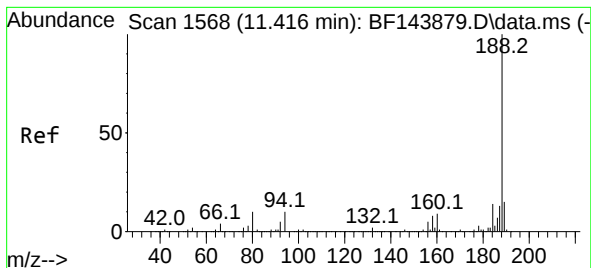
Ion Ratio Lower Upper

172 100

171 34.3 27.4 41.0

170 23.2 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143938.D

Acq: 13 Oct 2025 18:00

Instrument :

BNA_F

ClientSampleId :

SED-02-0-2

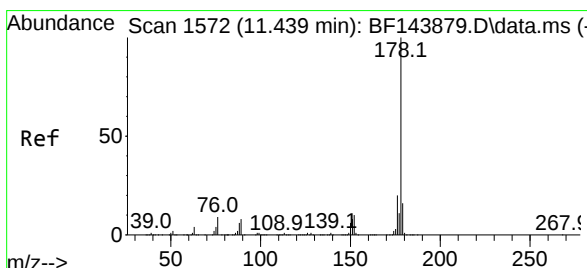
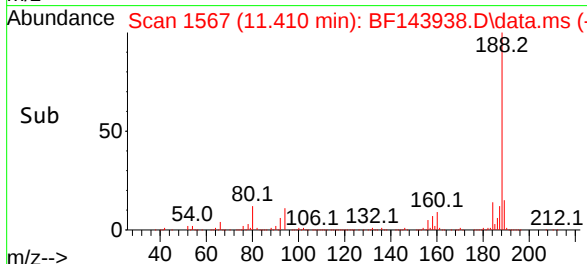
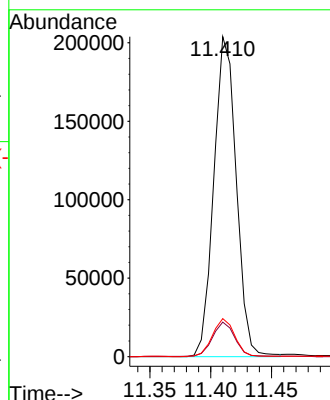
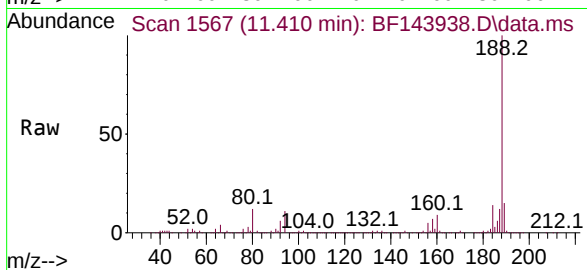
Tgt Ion:188 Resp: 262286

Ion Ratio Lower Upper

188 100

94 10.8 7.8 11.6

80 11.9 7.9 11.9#



#71

Phenanthrene

Concen: 4.960 ng

RT: 11.433 min Scan# 1571

Delta R.T. -0.012 min

Lab File: BF143938.D

Acq: 13 Oct 2025 18:00

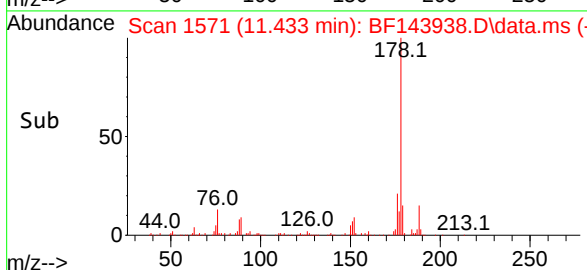
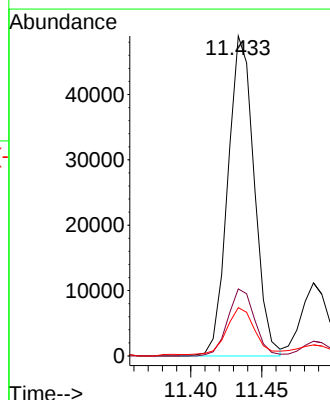
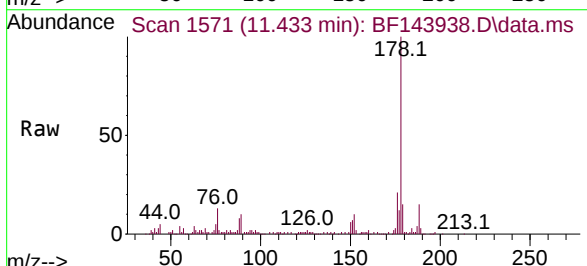
Tgt Ion:178 Resp: 63073

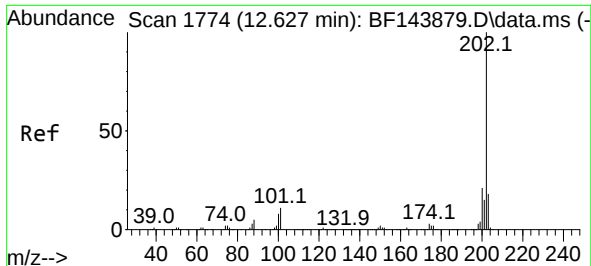
Ion Ratio Lower Upper

178 100

176 20.9 15.9 23.9

179 15.1 12.4 18.6

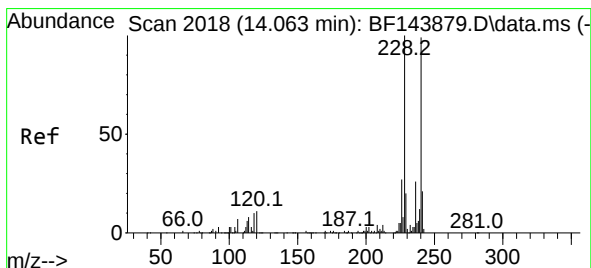
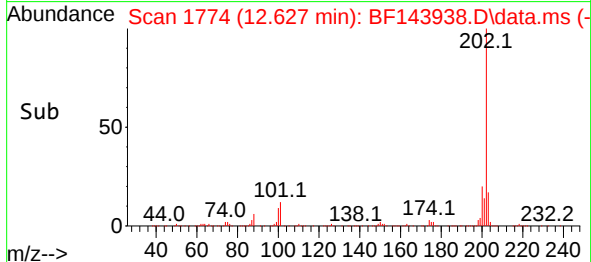
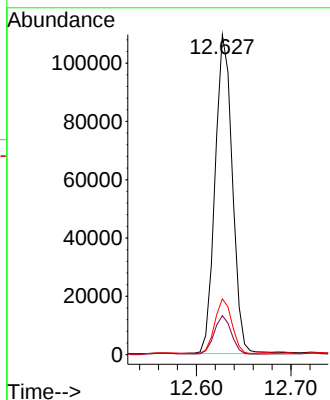
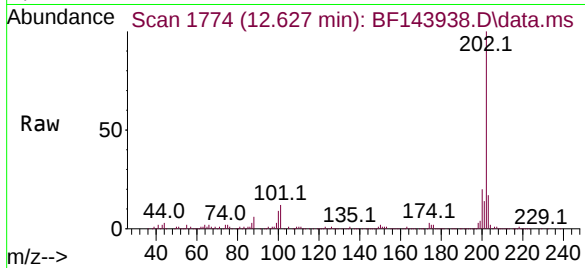




#75
Fluoranthene
Concen: 10.549 ng
RT: 12.627 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

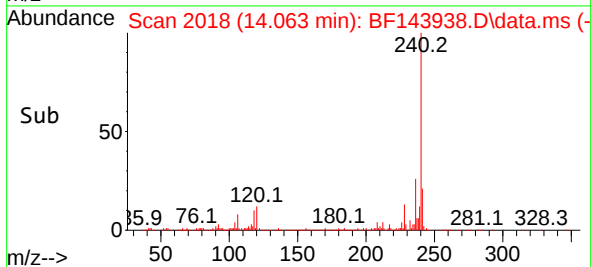
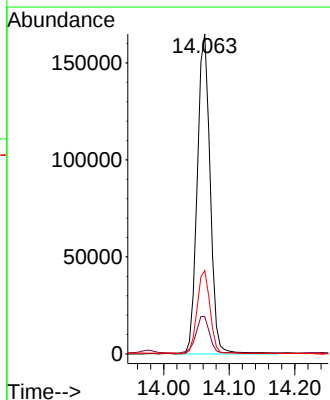
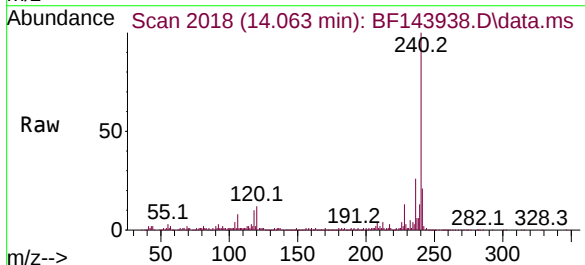
Instrument :
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ClientSampleId :
SED-02-0-2

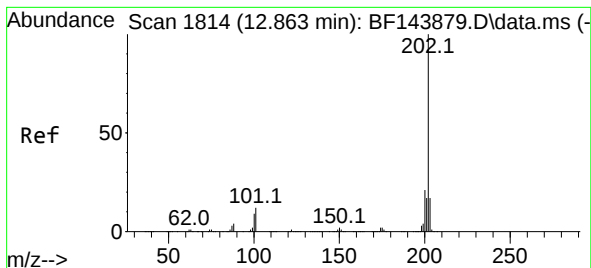
Tgt Ion:202 Resp: 138552
Ion Ratio Lower Upper
202 100
101 12.2 0.0 30.7
203 17.4 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Tgt Ion:240 Resp: 224418
Ion Ratio Lower Upper
240 100
120 11.6 8.6 13.0
236 26.1 21.1 31.7





#78

Pyrene

Concen: 6.423 ng

RT: 12.857 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF143938.D

Acq: 13 Oct 2025 18:00

Instrument :

BNA_F

ClientSampleId :

SED-02-0-2

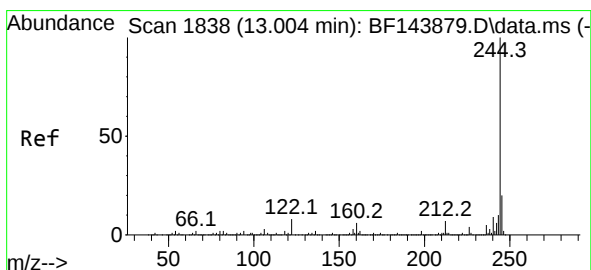
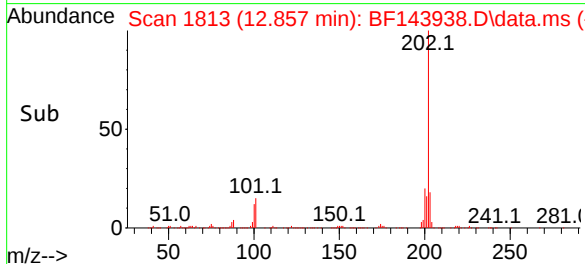
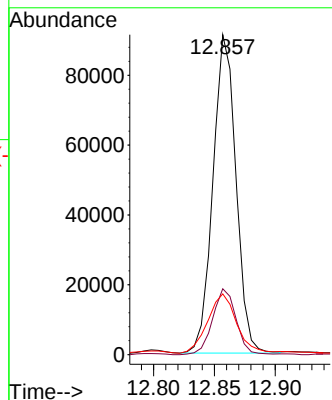
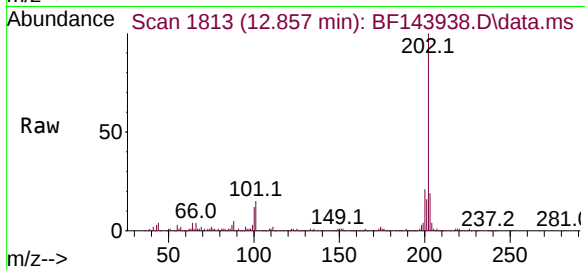
Tgt Ion:202 Resp: 120171

Ion Ratio Lower Upper

202 100

200 20.6 17.0 25.6

203 19.0 13.8 20.6



#79

Terphenyl-d14

Concen: 37.576 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.012 min

Lab File: BF143938.D

Acq: 13 Oct 2025 18:00

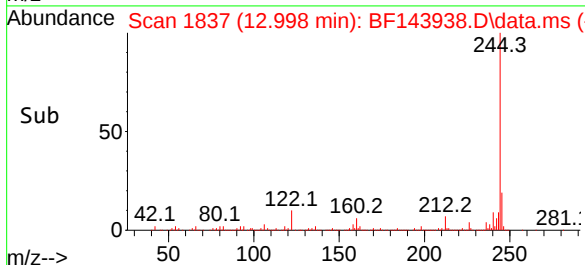
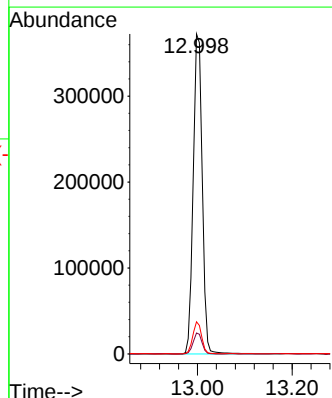
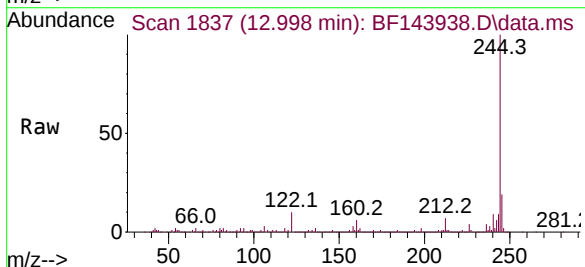
Tgt Ion:244 Resp: 493407

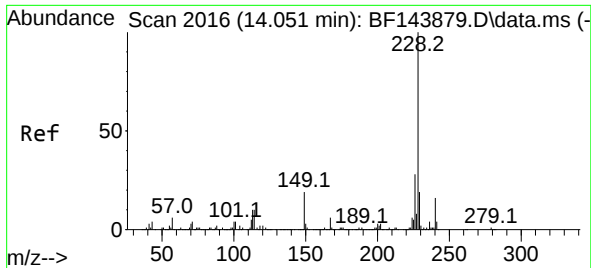
Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 10.0 6.4 9.6#

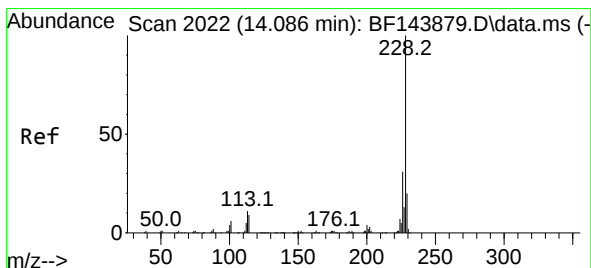
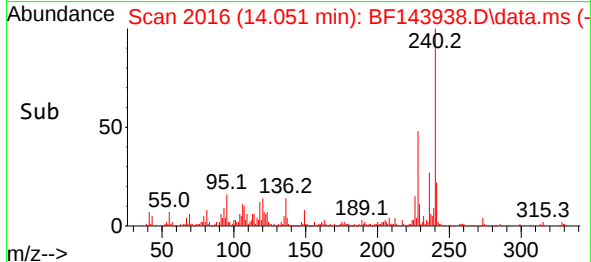
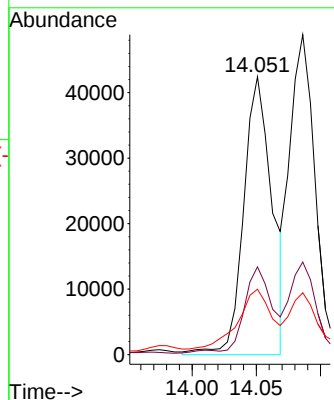
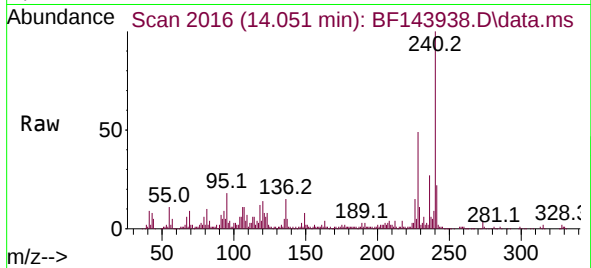




#81
Benzo(a)anthracene
Concen: 4.452 ng m
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

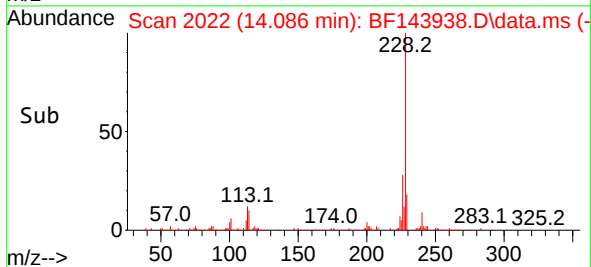
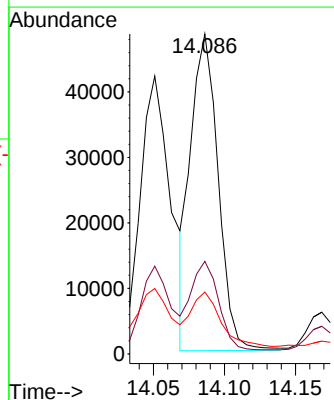
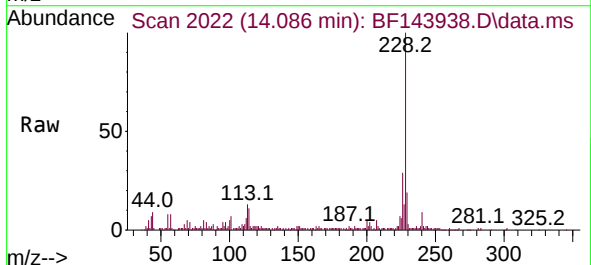
Instrument :
BNA_F
ClientSampleId :
SED-02-0-2

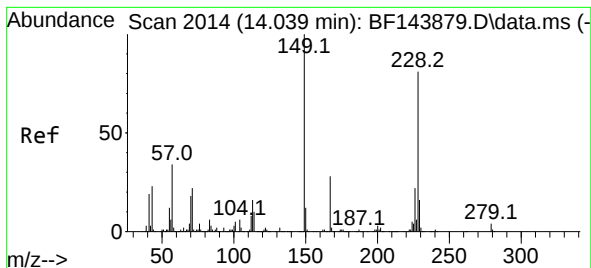
Tgt Ion:228 Resp: 65381
Ion Ratio Lower Upper
228 100
226 31.6 22.2 33.2
229 23.5 15.6 23.4#



#83
Chrysene
Concen: 4.792 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Tgt Ion:228 Resp: 65137
Ion Ratio Lower Upper
228 100
226 28.9 24.4 36.6
229 19.3 15.9 23.9

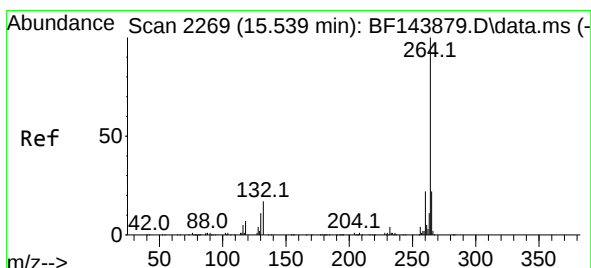
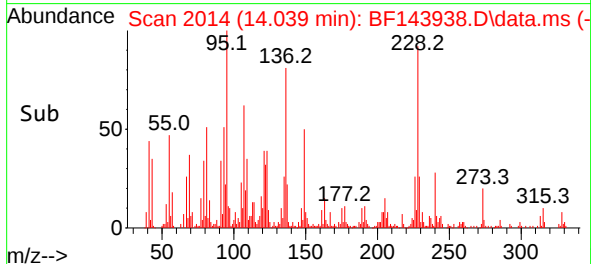
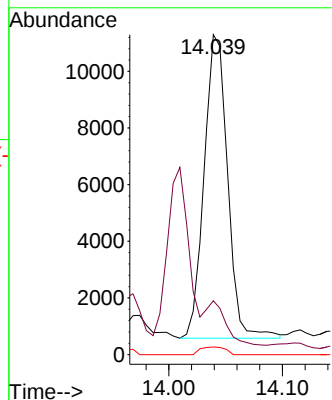
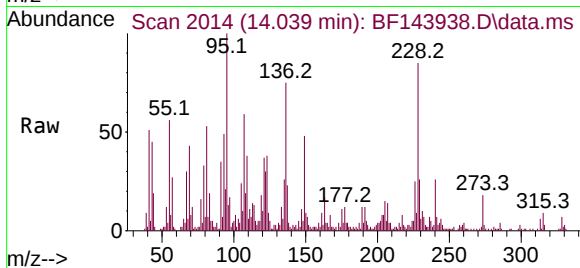




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.103 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

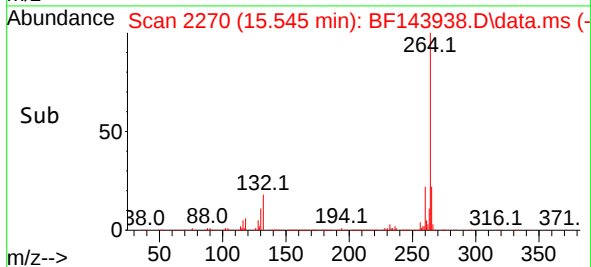
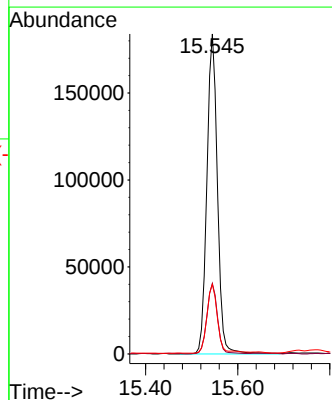
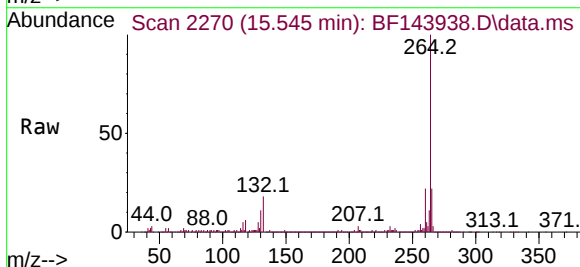
Instrument :
BNA_F
ClientSampleId :
SED-02-0-2

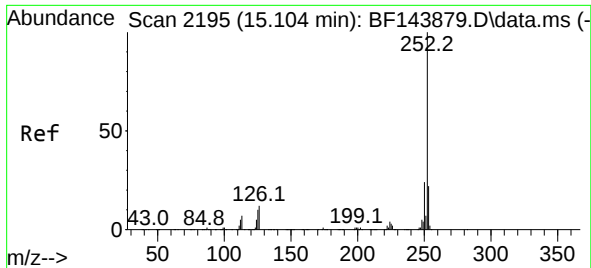
Tgt Ion:149 Resp: 15404
Ion Ratio Lower Upper
149 100
167 16.8 22.2 33.4#
279 2.4 3.1 4.7#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Tgt Ion:264 Resp: 290653
Ion Ratio Lower Upper
264 100
260 22.0 17.8 26.8
265 21.8 17.5 26.3

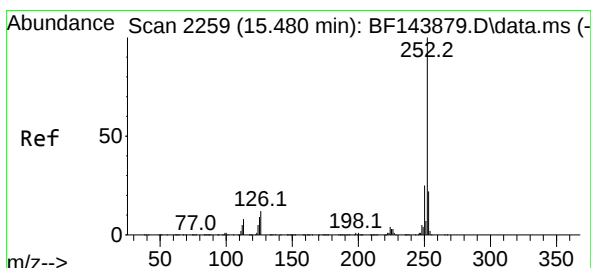
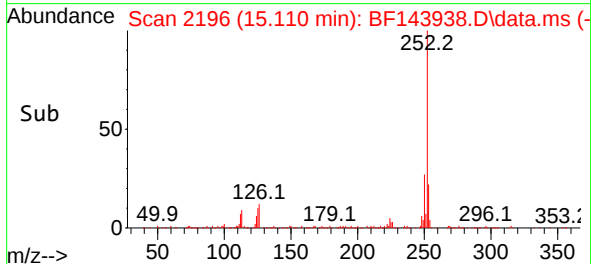
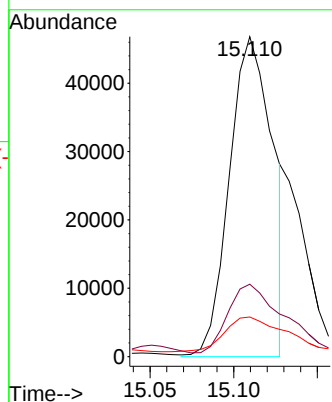
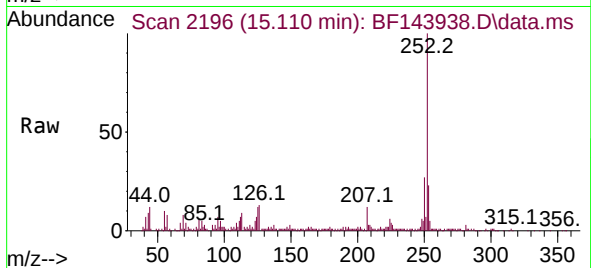




#88
Benzo(b)fluoranthene
Concen: 5.039 ng m
RT: 15.110 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Instrument :
BNA_F
ClientSampleId :
SED-02-0-2

Tgt Ion:252 Resp: 84127
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 12.4 7.8 11.6#



#90
Benzo(a)pyrene
Concen: 3.821 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Tgt Ion:252 Resp: 55312
Ion Ratio Lower Upper
252 100
253 20.1 17.3 25.9
125 13.0 7.0 10.4#

