

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
 Data File : BF143459.D
 Acq On : 19 Aug 2025 16:24
 Operator : RC/JU
 Sample : Q2879-17
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP11-081425

Quant Time: Aug 19 16:43:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 18 04:40:19 2025
 Response via : Initial Calibration

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

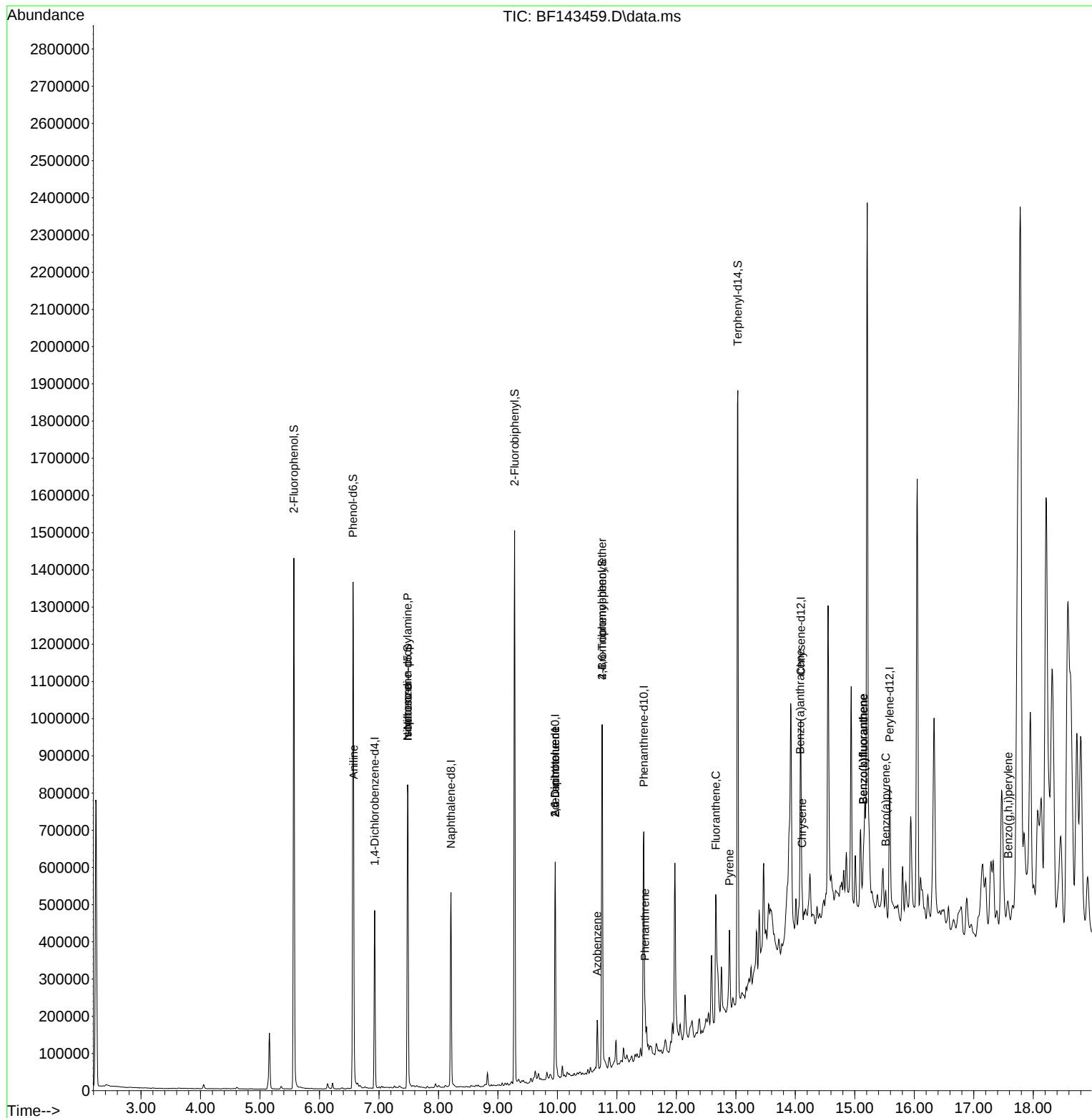
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	97604	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	324465	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	169368	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	306262	20.000	ng	0.00
76) Chrysene-d12	14.092	240	251302	20.000	ng	0.00
86) Perylene-d12	15.586	264	171573	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	518248	92.300	ng	0.01
7) Phenol-d6	6.563	99	602112	85.092	ng	0.00
23) Nitrobenzene-d5	7.481	82	354131	64.764	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	156037	103.507	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	636012	63.162	ng	0.00
79) Terphenyl-d14	13.033	244	827593	55.321	ng	0.00
Target Compounds						
						Qvalue
6) Aniline	6.575	93	27312	2.843	ng	90
19) n-Nitroso-di-n-propyla...	7.481	70	48251	11.015	ng	# 78
25) Isophorone	7.481	82	345409	33.005	ng	# 65
51) 2,6-Dinitrotoluene	9.963	165	21896	10.519	ng	# 24
57) 2,4-Dinitrotoluene	9.963	165	21896	7.890	ng	# 25
63) Azobenzene	10.669	77	32681	3.314	ng	# 1
67) 4-Bromophenyl-phenylether	10.751	248	10397	2.875	ng	# 1
71) Phenanthrene	11.474	178	50404	3.039	ng	99
75) Fluoranthene	12.663	202	146224	9.923	ng	99
78) Pyrene	12.892	202	124021	5.678	ng	98
81) Benzo(a)anthracene	14.080	228	61995	3.875	ng	# 91
83) Chrysene	14.115	228	58931	3.984	ng	95
88) Benzo(b)fluoranthene	15.145	252	79359	8.630	ng	# 87
89) Benzo(k)fluoranthene	15.145	252	79359	8.750	ng	# 88
90) Benzo(a)pyrene	15.521	252	34862	3.980	ng	# 86
92) Benzo(g,h,i)perylene	17.580	276	24858	2.408	ng	# 87

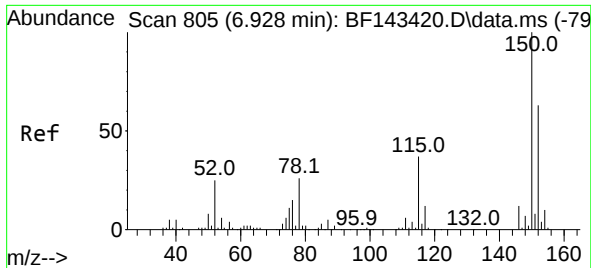
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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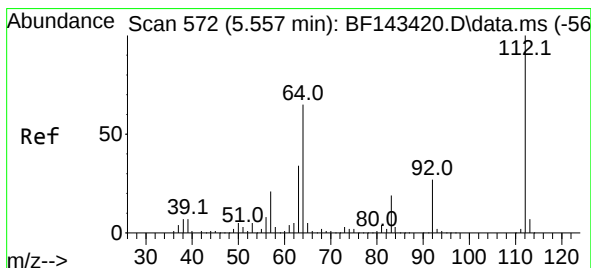
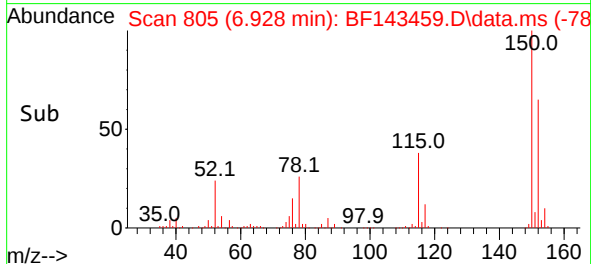
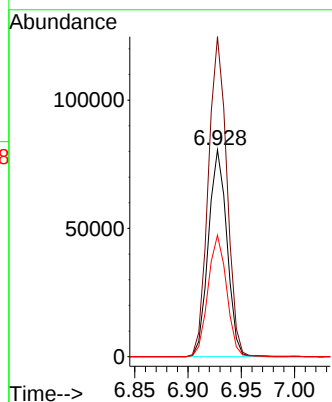
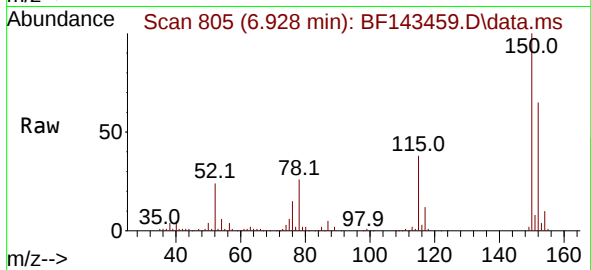




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

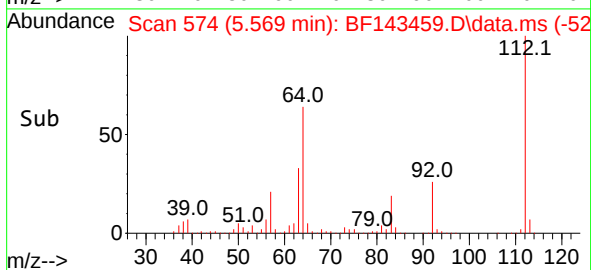
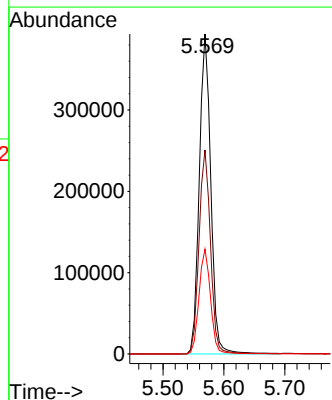
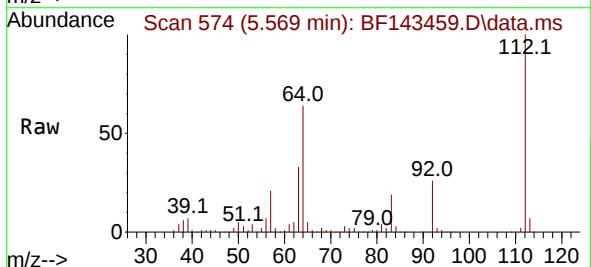
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

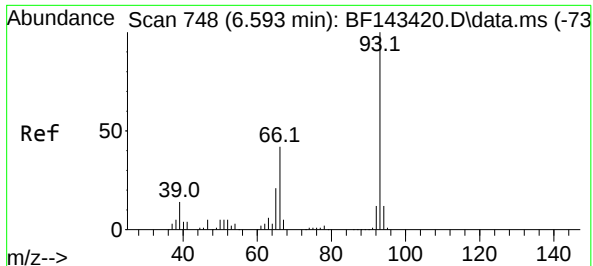
Tgt Ion:152 Resp: 97604
Ion Ratio Lower Upper
152 100
150 154.6 127.4 191.2
115 58.7 47.5 71.3



#5
2-Fluorophenol
Concen: 92.300 ng
RT: 5.569 min Scan# 574
Delta R.T. 0.012 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion:112 Resp: 518248
Ion Ratio Lower Upper
112 100
64 63.8 52.2 78.2
63 32.7 27.0 40.6

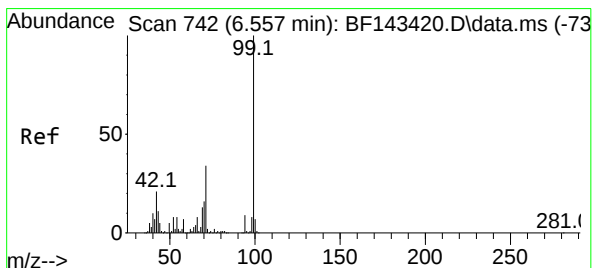
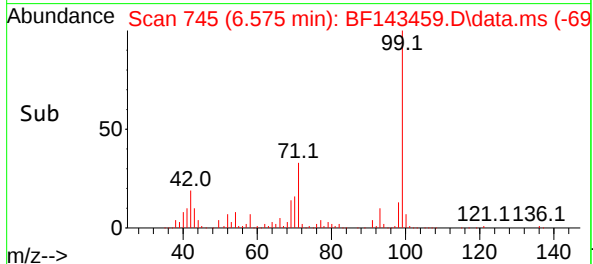
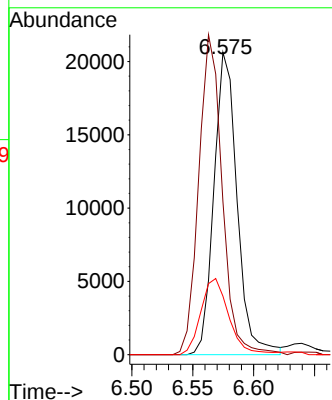
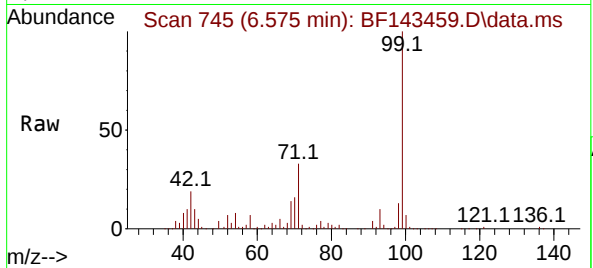




#6
Aniline
Concen: 2.843 ng
RT: 6.575 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

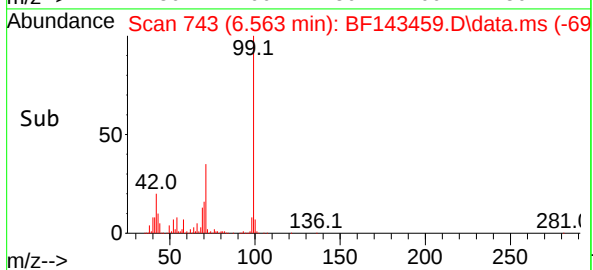
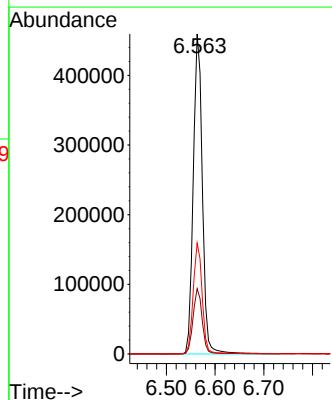
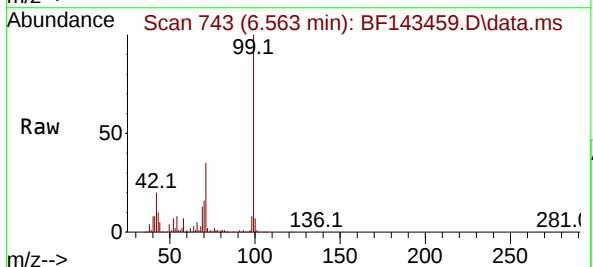
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

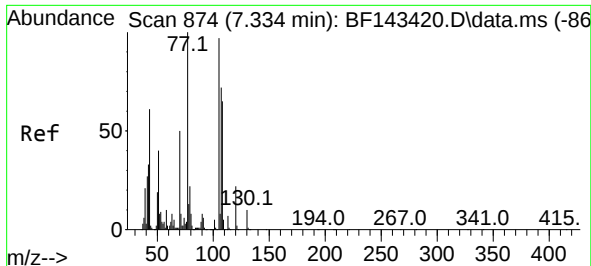
Tgt Ion: 93 Resp: 27312
Ion Ratio Lower Upper
93 100
66 50.7 33.8 50.8
65 19.4 17.2 25.8



#7
Phenol-d6
Concen: 85.092 ng
RT: 6.563 min Scan# 743
Delta R.T. 0.006 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion: 99 Resp: 602112
Ion Ratio Lower Upper
99 100
42 20.4 17.0 25.6
71 34.6 27.4 41.2

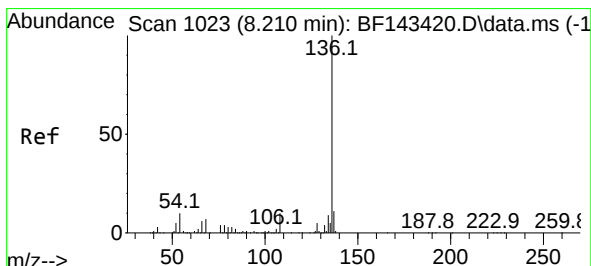
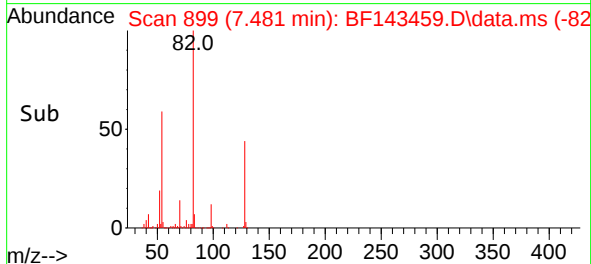
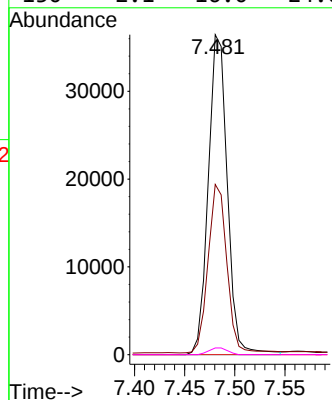
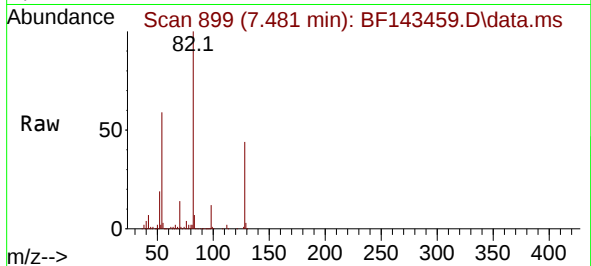




#19
n-Nitroso-di-n-propylamine
Concen: 11.015 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.147 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

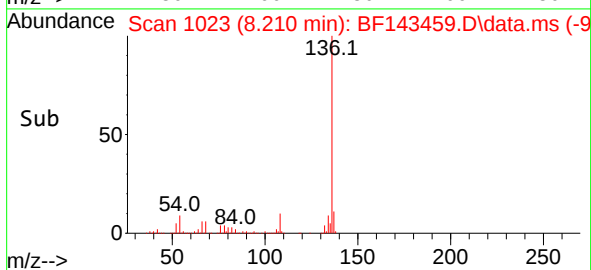
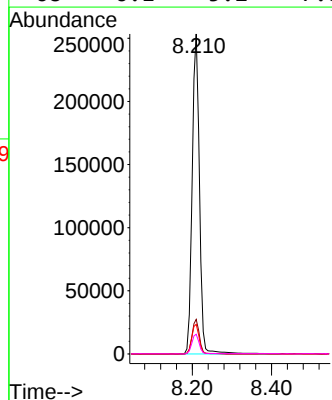
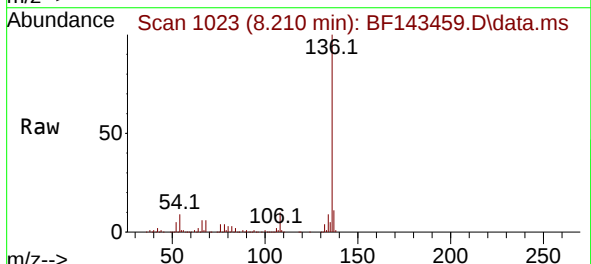
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

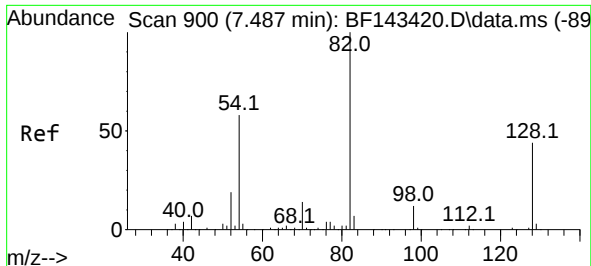
Tgt Ion:	70	Resp:	48251
Ion	Ratio	Lower	Upper
70	100		
42	53.2	52.5	78.7
101	0.0	7.9	11.9#
130	2.1	16.0	24.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion:	136	Resp:	324465
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	9.3	7.8	11.8
68	6.1	5.2	7.8





#23

Nitrobenzene-d5

Concen: 64.764 ng

RT: 7.481 min Scan# 899

Delta R.T. -0.006 min

Lab File: BF143459.D

Acq: 19 Aug 2025 16:24

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP11-081425

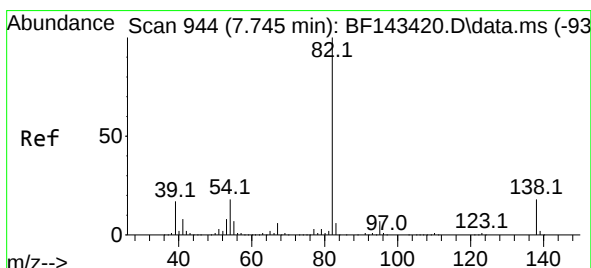
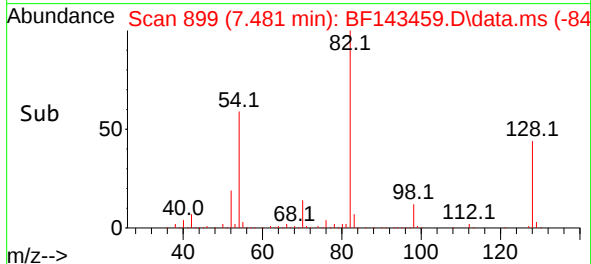
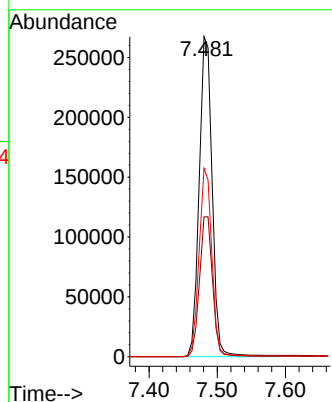
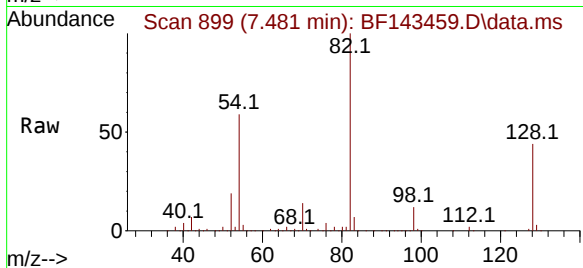
Tgt Ion: 82 Resp: 354131

Ion Ratio Lower Upper

82 100

128 43.7 34.6 52.0

54 58.9 46.0 69.0



#25

Isophorone

Concen: 33.005 ng

RT: 7.481 min Scan# 899

Delta R.T. -0.265 min

Lab File: BF143459.D

Acq: 19 Aug 2025 16:24

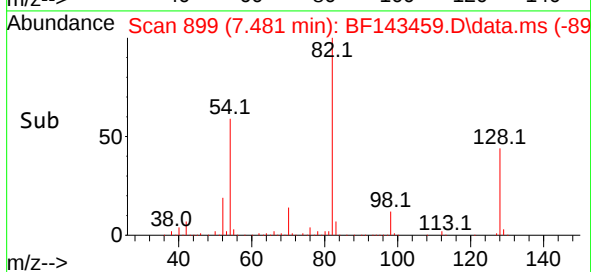
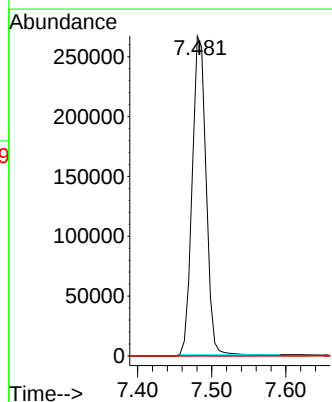
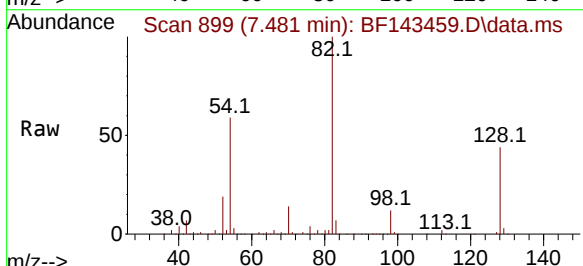
Tgt Ion: 82 Resp: 345409

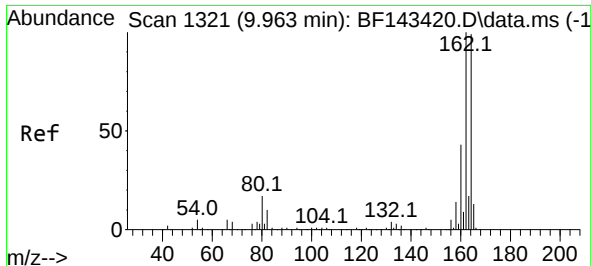
Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

138 0.0 14.3 21.5#

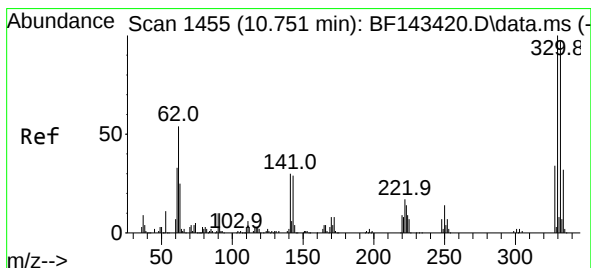
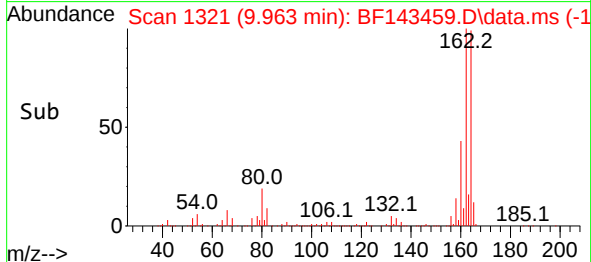
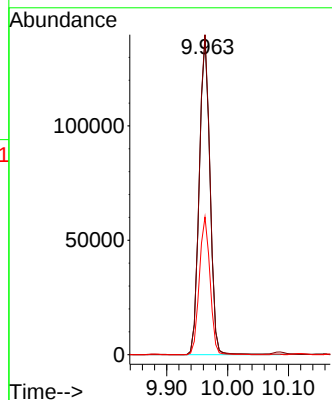
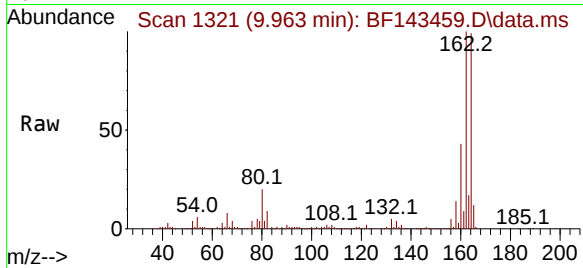




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

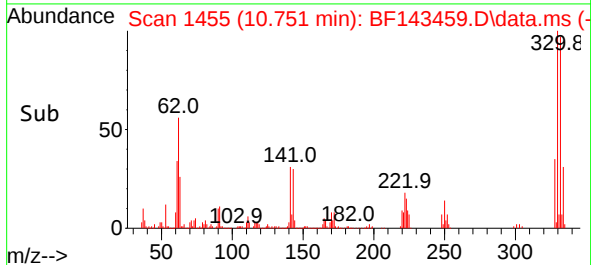
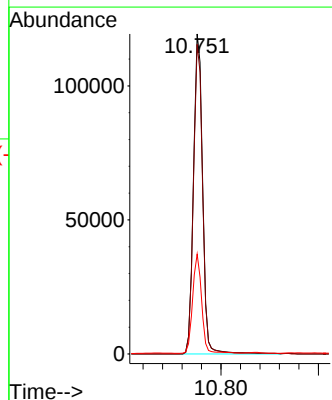
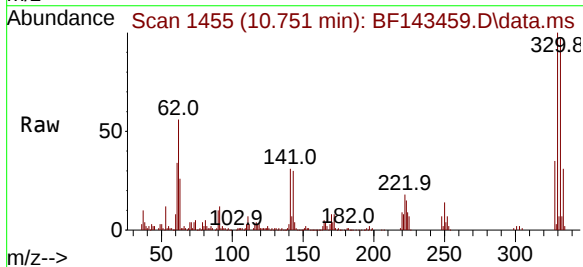
Instrument :
BNA_F
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OU4-TS-GRILLO-TSCP11-081425

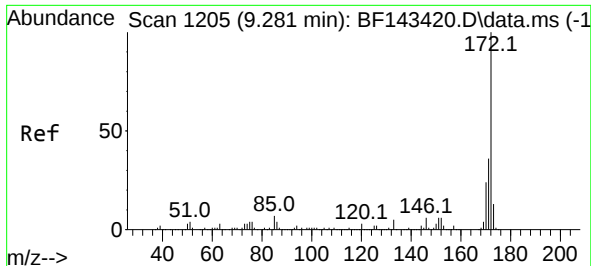
Tgt Ion:164 Resp: 169368
Ion Ratio Lower Upper
164 100
162 101.1 80.6 121.0
160 43.5 34.6 51.8



#42
2,4,6-Tribromophenol
Concen: 103.507 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion:330 Resp: 156037
Ion Ratio Lower Upper
330 100
332 96.6 77.4 116.2
141 30.2 24.1 36.1

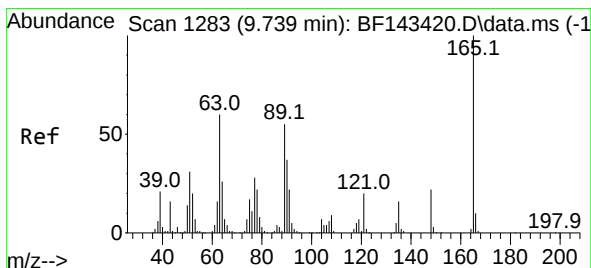
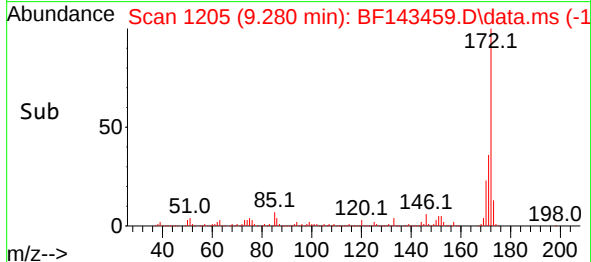
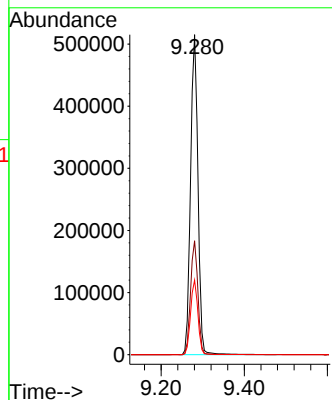
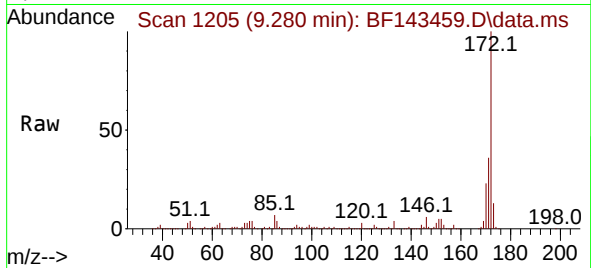




#45
2-Fluorobiphenyl
Concen: 63.162 ng
RT: 9.280 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

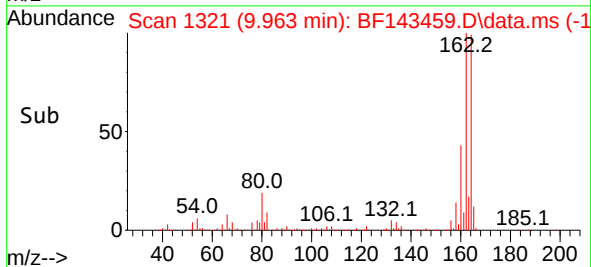
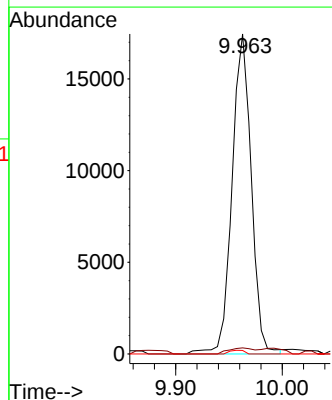
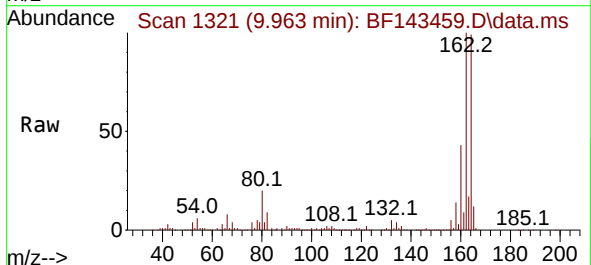
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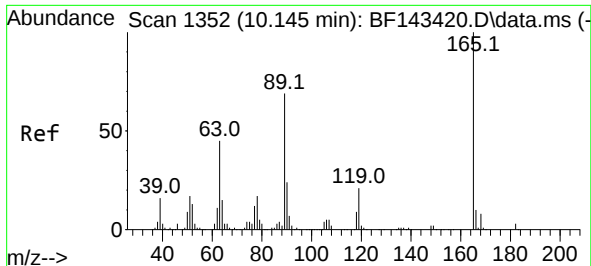
Tgt Ion:172 Resp: 636012
Ion Ratio Lower Upper
172 100
171 35.6 28.7 43.1
170 23.3 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 10.519 ng
RT: 9.963 min Scan# 1321
Delta R.T. 0.223 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion:165 Resp: 21896
Ion Ratio Lower Upper
165 100
63 1.9 48.2 72.2#
89 1.1 44.2 66.2#

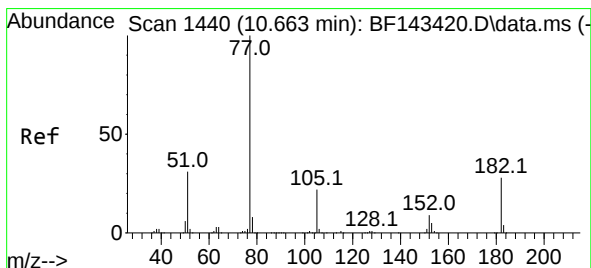
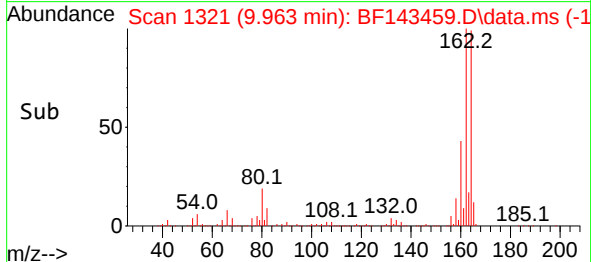
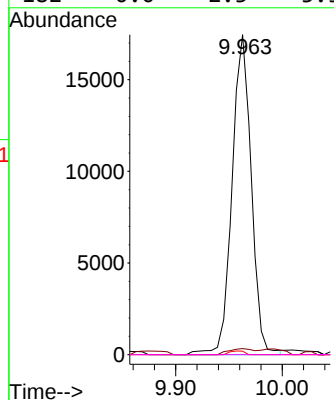
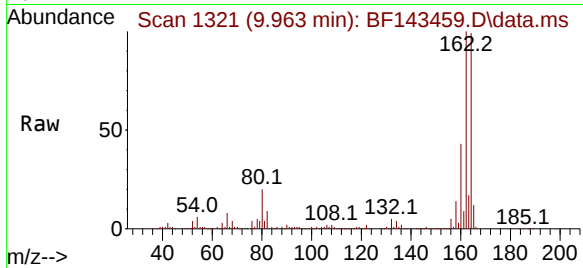




#57
2,4-Dinitrotoluene
Concen: 7.890 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.182 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

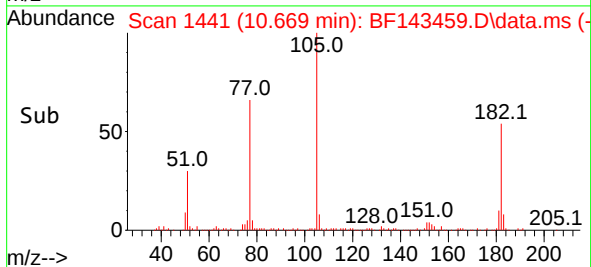
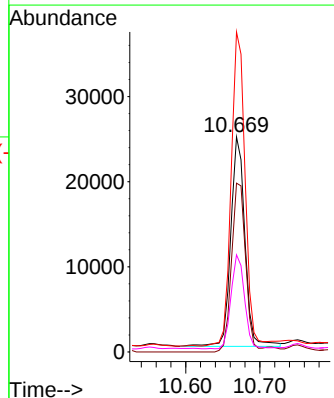
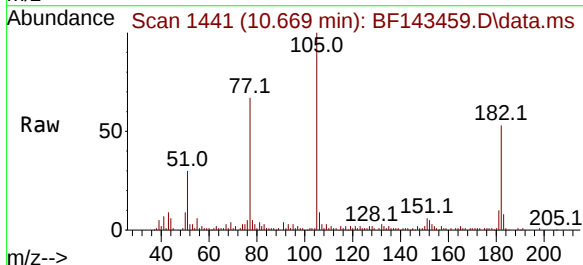
Instrument :
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OU4-TS-GRILLO-TSCP11-081425

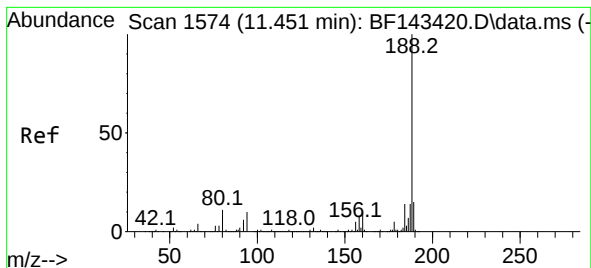
Tgt Ion:165 Resp: 21896
Ion Ratio Lower Upper
165 100
63 1.9 37.0 55.6#
89 1.1 55.4 83.0#
182 0.0 2.3 3.5#



#63
Azobenzene
Concen: 3.314 ng
RT: 10.669 min Scan# 1441
Delta R.T. 0.006 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion: 77 Resp: 32681
Ion Ratio Lower Upper
77 100
182 78.5 7.4 47.4#
105 148.9 1.7 41.7#
51 45.2 12.4 52.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143459.D

Acq: 19 Aug 2025 16:24

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP11-081425

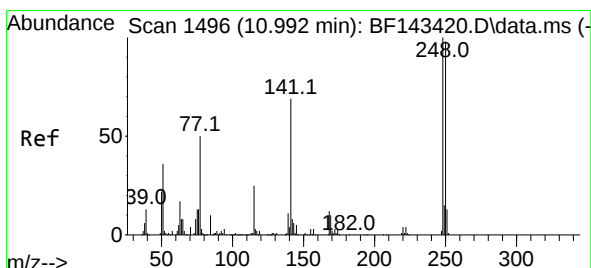
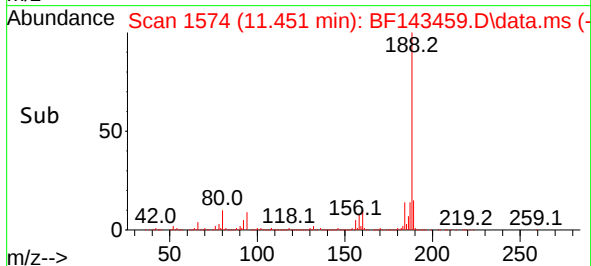
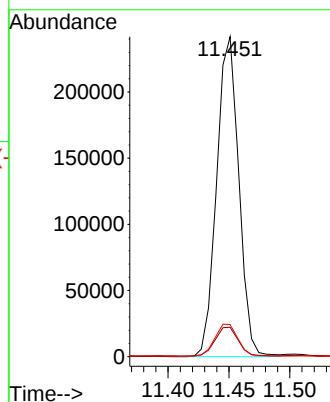
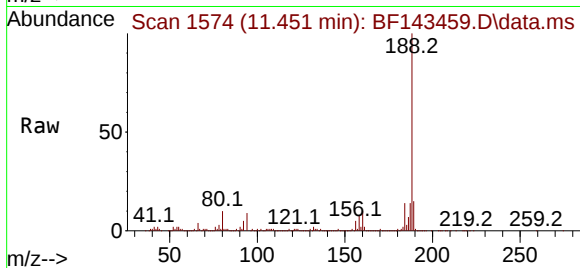
Tgt Ion:188 Resp: 306262

Ion Ratio Lower Upper

188 100

94 9.2 8.0 12.0

80 10.1 8.6 12.8



#67

4-Bromophenyl-phenylether

Concen: 2.875 ng

RT: 10.751 min Scan# 1455

Delta R.T. -0.241 min

Lab File: BF143459.D

Acq: 19 Aug 2025 16:24

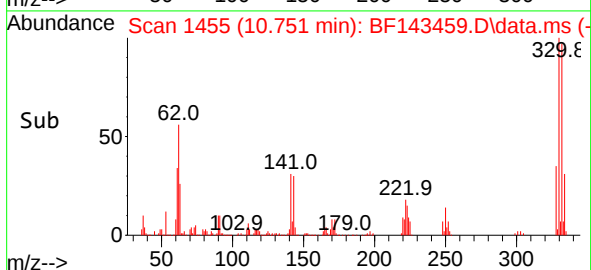
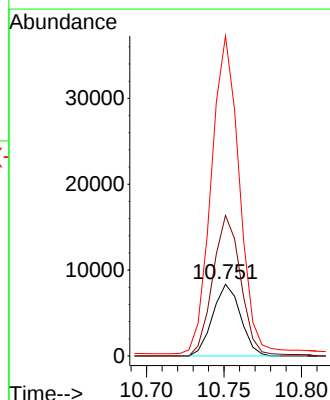
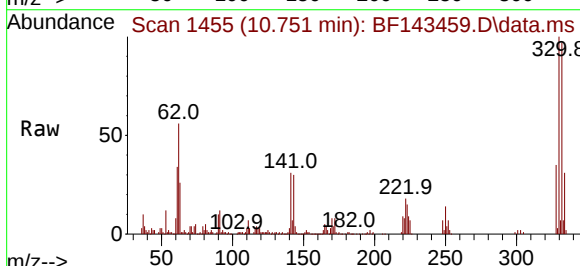
Tgt Ion:248 Resp: 10397

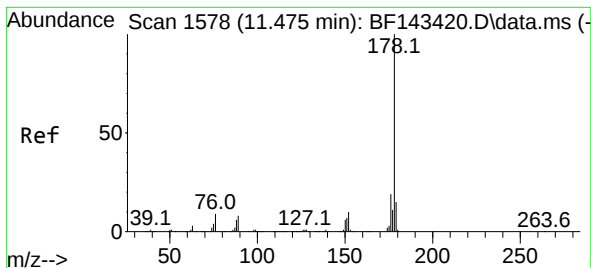
Ion Ratio Lower Upper

248 100

250 196.0 78.6 118.0#

141 446.5 54.9 82.3#





#71

Phenanthrene

Concen: 3.039 ng

RT: 11.474 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143459.D

Acq: 19 Aug 2025 16:24

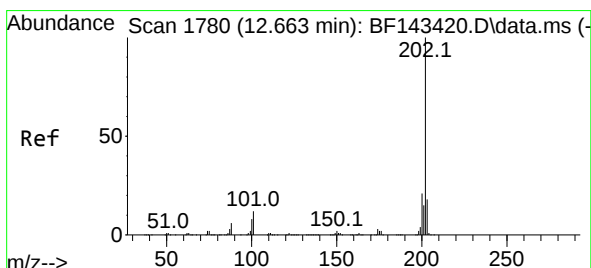
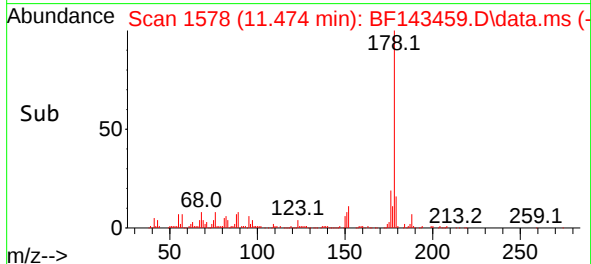
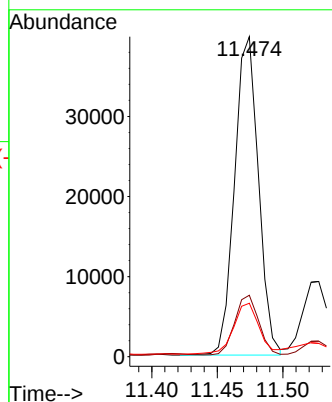
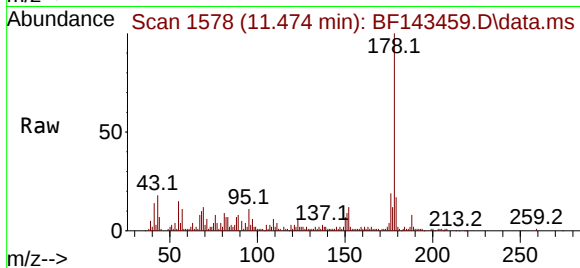
Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP11-081425

Tgt Ion:178	Resp:	50404
Ion Ratio	Lower	Upper
178	100	
176	19.2	15.4 23.0
179	16.7	12.3 18.5



#75

Fluoranthene

Concen: 9.923 ng

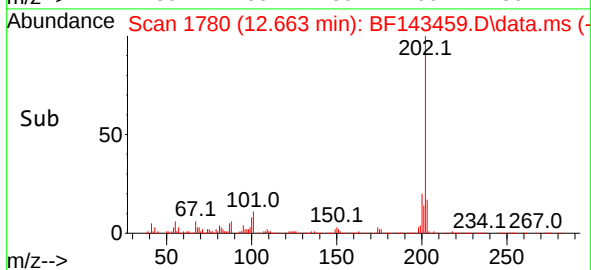
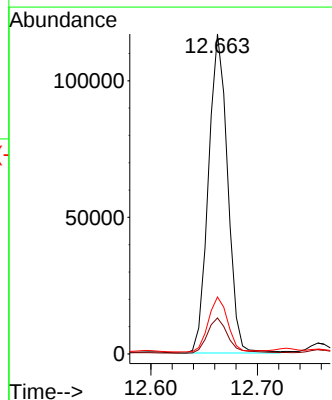
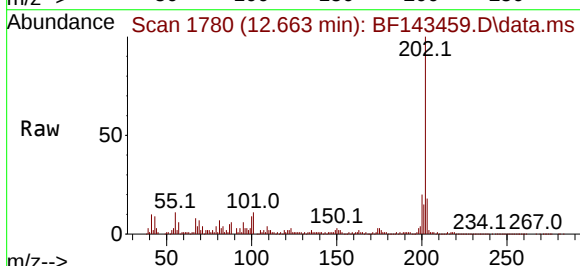
RT: 12.663 min Scan# 1780

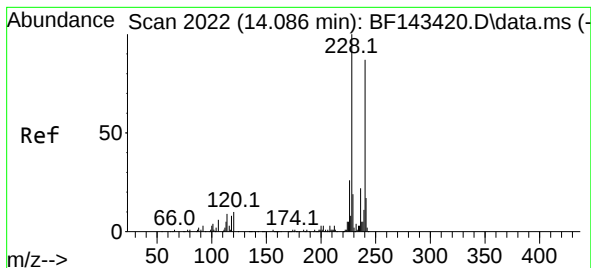
Delta R.T. -0.000 min

Lab File: BF143459.D

Acq: 19 Aug 2025 16:24

Tgt Ion:202	Resp:	146224
Ion Ratio	Lower	Upper
202	100	
101	11.3	0.0 31.5
203	17.8	0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.092 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143459.D

Acq: 19 Aug 2025 16:24

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP11-081425

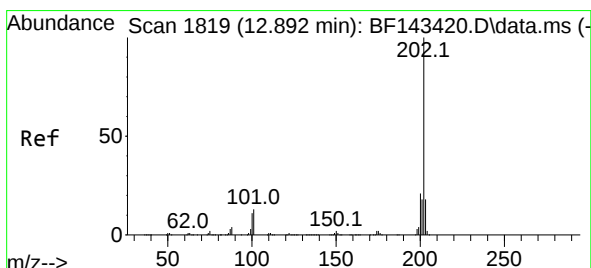
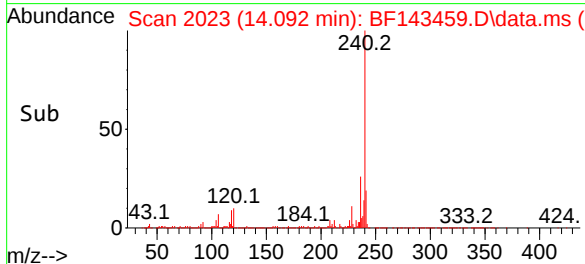
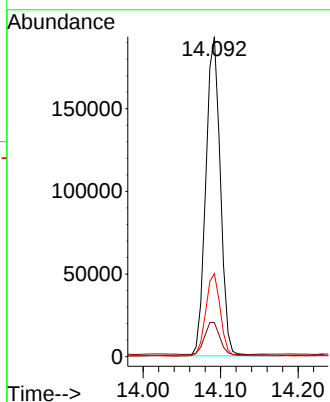
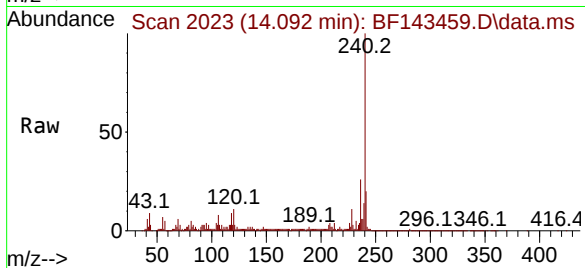
Tgt Ion:240 Resp: 251302

Ion Ratio Lower Upper

240 100

120 10.7 9.0 13.4

236 25.9 20.2 30.2



#78

Pyrene

Concen: 5.678 ng

RT: 12.892 min Scan# 1819

Delta R.T. -0.000 min

Lab File: BF143459.D

Acq: 19 Aug 2025 16:24

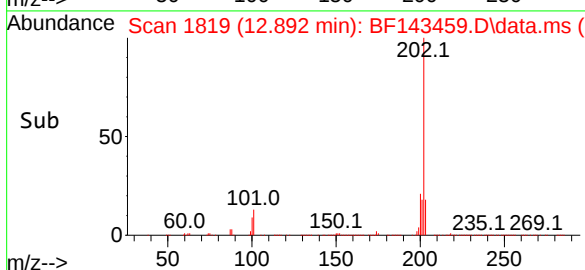
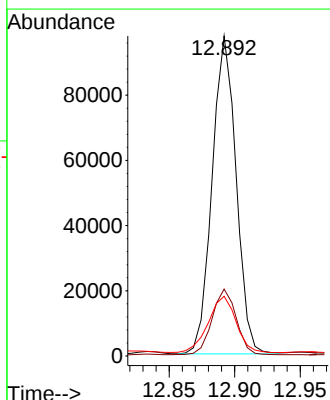
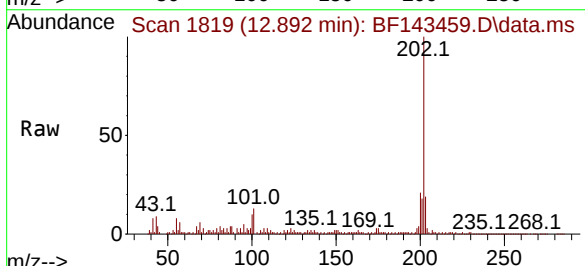
Tgt Ion:202 Resp: 124021

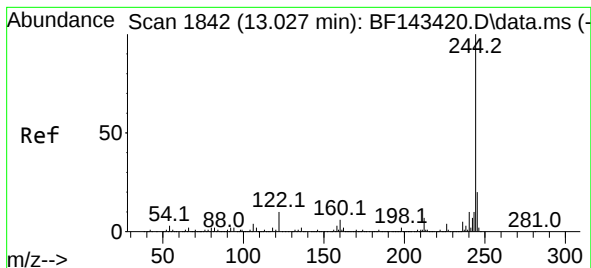
Ion Ratio Lower Upper

202 100

200 20.9 17.1 25.7

203 18.6 14.2 21.2





#79

Terphenyl-d14

Concen: 55.321 ng

RT: 13.033 min Scan# 1843

Delta R.T. 0.006 min

Lab File: BF143459.D

Acq: 19 Aug 2025 16:24

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP11-081425

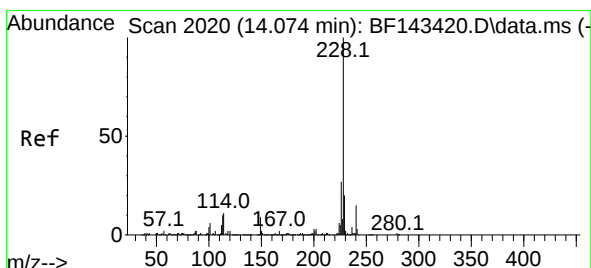
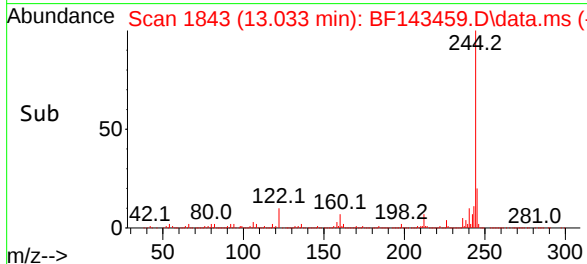
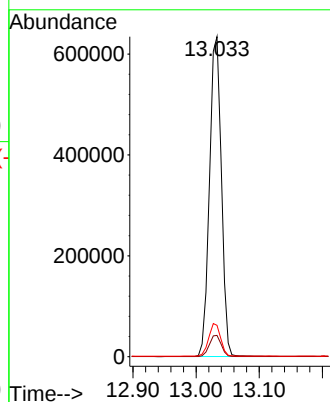
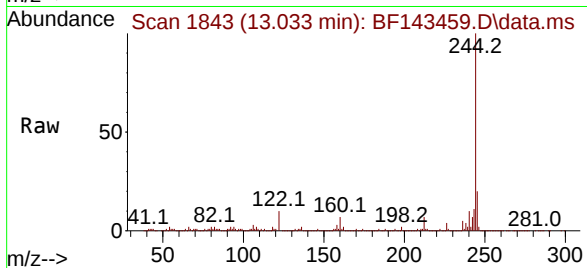
Tgt Ion:244 Resp: 827593

Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

122 9.8 8.3 12.5



#81

Benzo(a)anthracene

Concen: 3.875 ng

RT: 14.080 min Scan# 2021

Delta R.T. 0.006 min

Lab File: BF143459.D

Acq: 19 Aug 2025 16:24

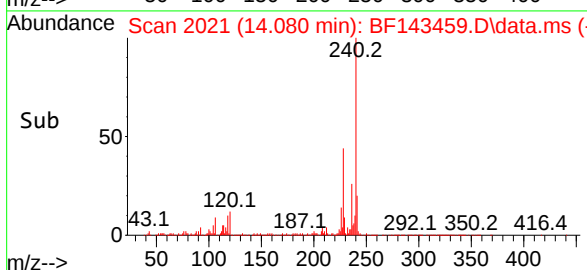
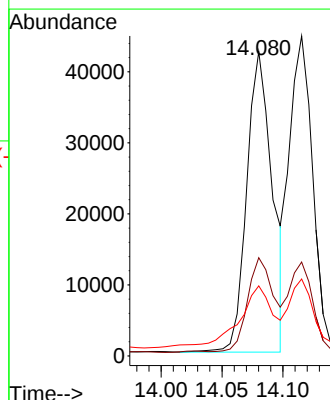
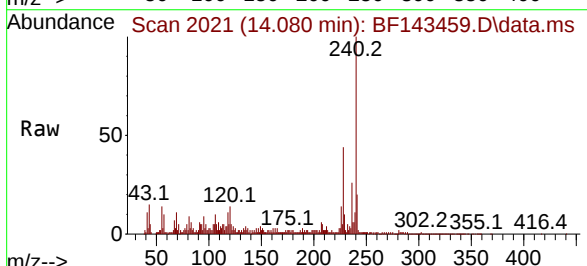
Tgt Ion:228 Resp: 61995

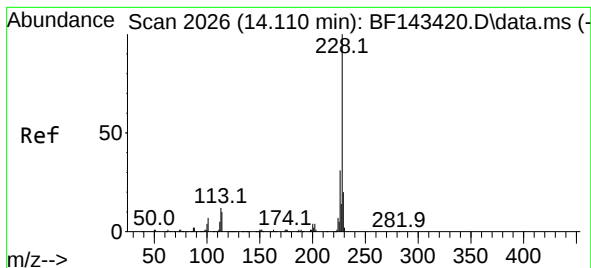
Ion Ratio Lower Upper

228 100

226 32.3 21.5 32.3#

229 23.0 15.7 23.5





#83

Chrysene

Concen: 3.984 ng

RT: 14.115 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143459.D

Acq: 19 Aug 2025 16:24

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP11-081425

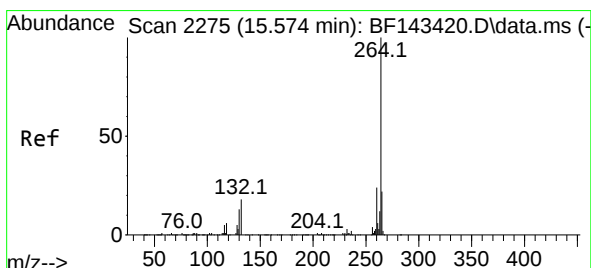
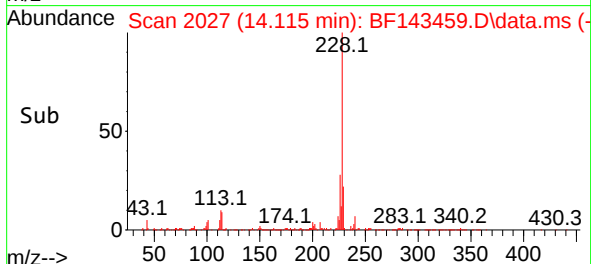
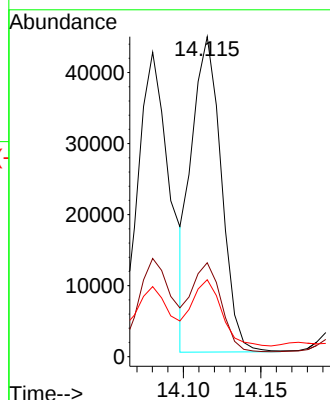
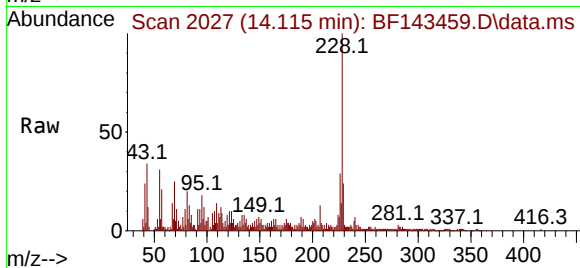
Tgt Ion:228 Resp: 58931

Ion Ratio Lower Upper

228 100

226 29.3 24.3 36.5

229 24.0 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.586 min Scan# 2277

Delta R.T. 0.012 min

Lab File: BF143459.D

Acq: 19 Aug 2025 16:24

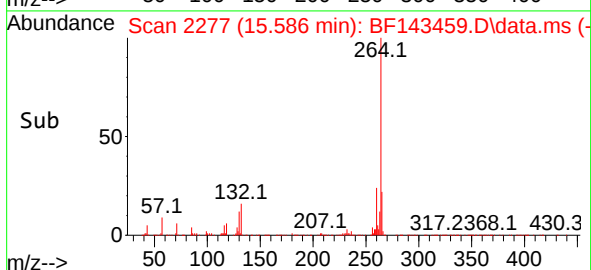
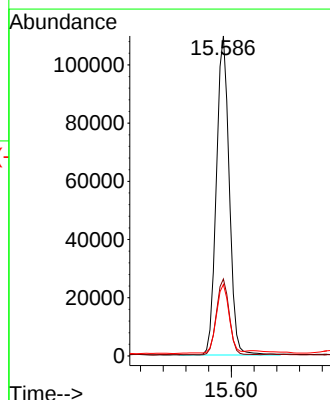
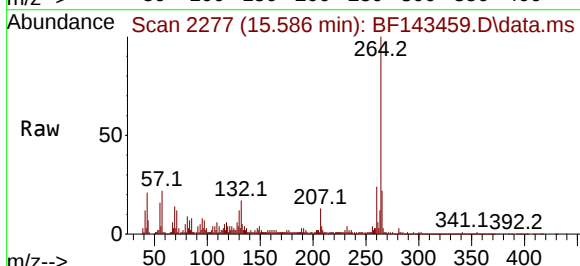
Tgt Ion:264 Resp: 171573

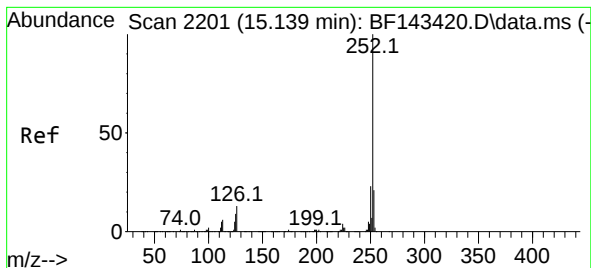
Ion Ratio Lower Upper

264 100

260 24.1 18.8 28.2

265 22.3 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 8.630 ng

RT: 15.145 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143459.D

Acq: 19 Aug 2025 16:24

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP11-081425

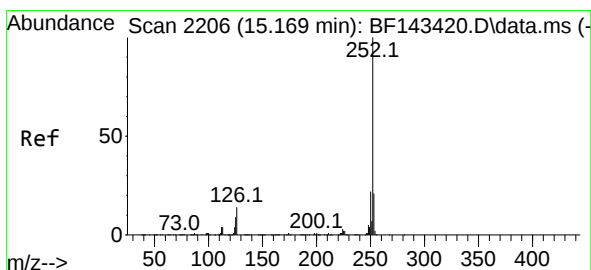
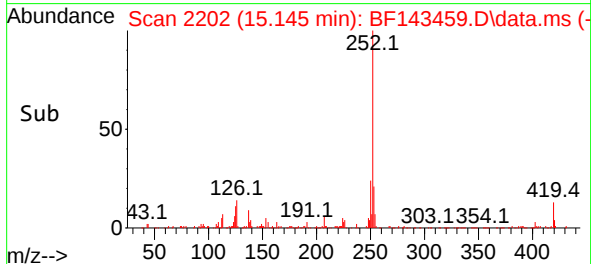
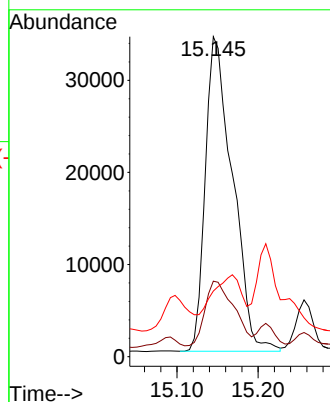
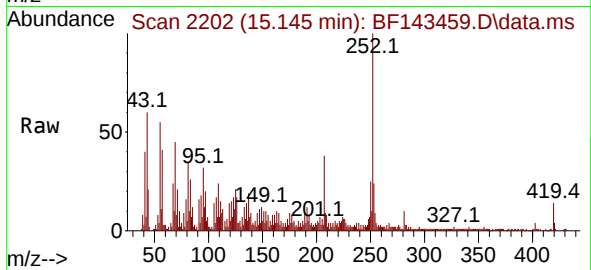
Tgt Ion:252 Resp: 79359

Ion Ratio Lower Upper

252 100

253 23.6 17.1 25.7

125 20.5 7.5 11.3#



#89

Benzo(k)fluoranthene

Concen: 8.750 ng

RT: 15.145 min Scan# 2202

Delta R.T. -0.024 min

Lab File: BF143459.D

Acq: 19 Aug 2025 16:24

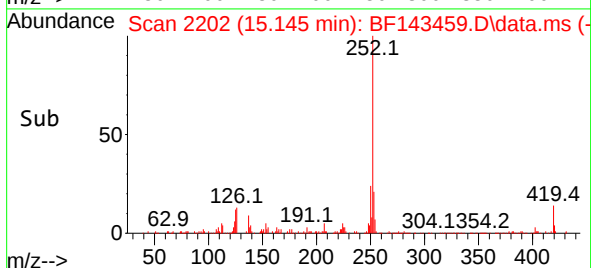
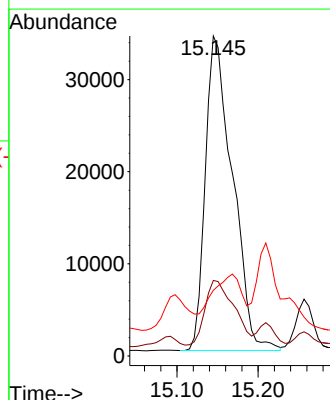
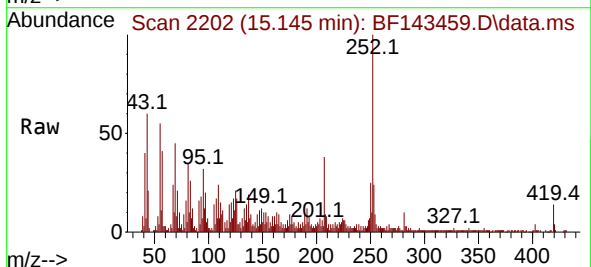
Tgt Ion:252 Resp: 79359

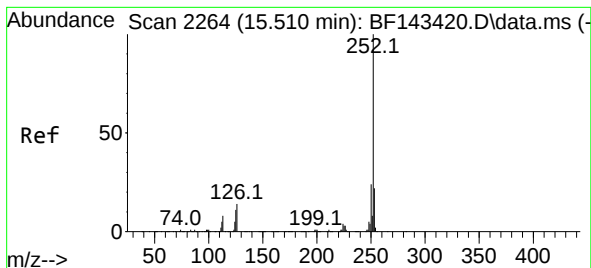
Ion Ratio Lower Upper

252 100

253 23.6 17.2 25.8

125 20.5 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 3.980 ng

RT: 15.521 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143459.D

Acq: 19 Aug 2025 16:24

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP11-081425

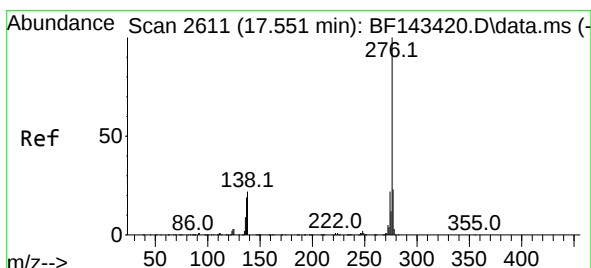
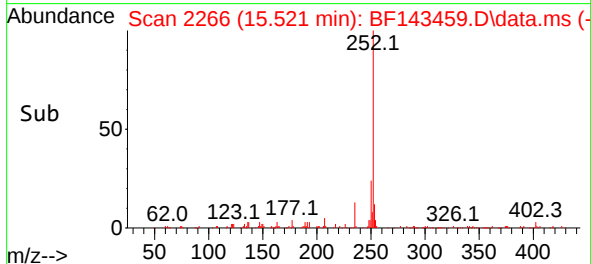
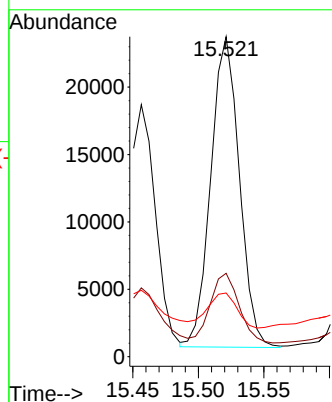
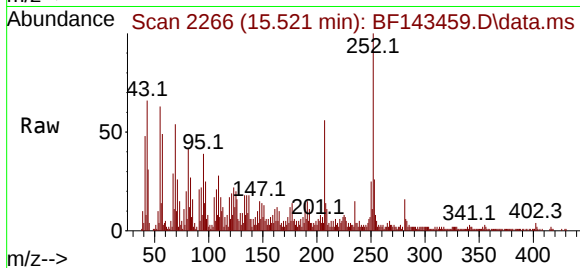
Tgt Ion:252 Resp: 34862

Ion Ratio Lower Upper

252 100

253 26.1 17.4 26.2

125 19.9 8.6 12.8#



#92

Benzo(g,h,i)perylene

Concen: 2.408 ng

RT: 17.580 min Scan# 2616

Delta R.T. 0.029 min

Lab File: BF143459.D

Acq: 19 Aug 2025 16:24

Tgt Ion:276 Resp: 24858

Ion Ratio Lower Upper

276 100

277 26.2 18.7 28.1

138 31.5 17.5 26.3#

