

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
 Data File : BF143452.D
 Acq On : 19 Aug 2025 13:01
 Operator : RC/JU
 Sample : Q2879-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP04-081425

Quant Time: Aug 19 19:21:19 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)

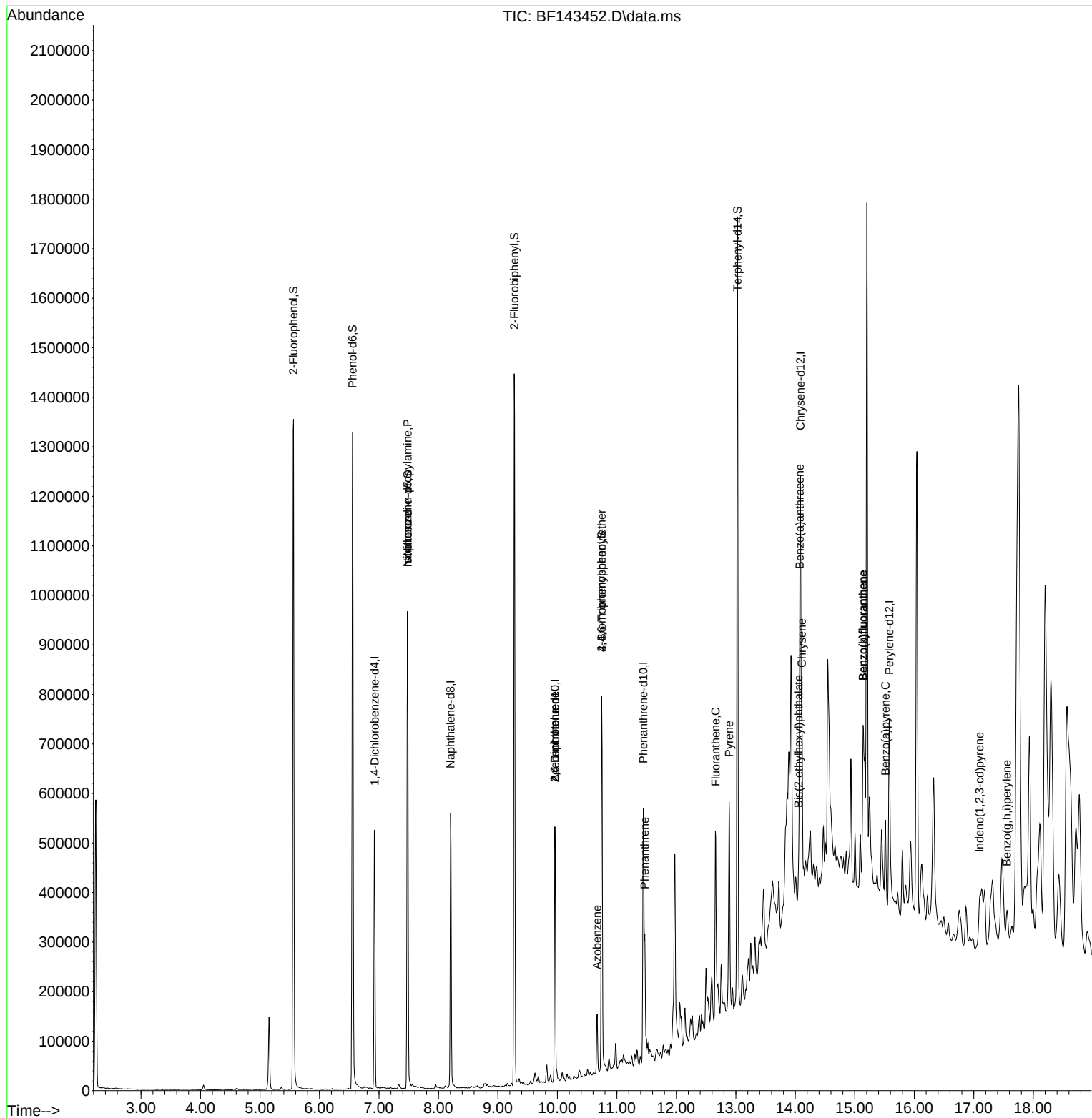
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	111871	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	347487	20.000	ng	0.00
39) Acenaphthene-d10	9.957	164	150668	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	255855	20.000	ng	0.00
76) Chrysene-d12	14.086	240	317101	20.000	ng	0.00
86) Perylene-d12	15.580	264	213178	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	511842	79.533	ng	0.00
7) Phenol-d6	6.557	99	597843	73.714	ng	0.00
23) Nitrobenzene-d5	7.481	82	409547	69.937	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	126721	94.493	ng	0.00
45) 2-Fluorobiphenyl	9.275	172	638703	71.302	ng	0.00
79) Terphenyl-d14	13.027	244	763485	40.446	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	54671	10.889	ng	# 78
25) Isophorone	7.481	82	406932	36.308	ng	# 65
51) 2,6-Dinitrotoluene	9.957	165	20146	10.879	ng	# 24
57) 2,4-Dinitrotoluene	9.957	165	20146	8.160	ng	# 25
63) Azobenzene	10.669	77	29488	3.361	ng	# 1
67) 4-Bromophenyl-phenylether	10.745	248	8732	2.890	ng	# 1
71) Phenanthrene	11.469	178	119727	8.641	ng	99
75) Fluoranthene	12.657	202	208878	16.967	ng	99
78) Pyrene	12.886	202	241733	8.771	ng	99
81) Benzo(a)anthracene	14.074	228	190874	9.455	ng	95
83) Chrysene	14.110	228	200424	10.739	ng	98
84) Bis(2-ethylhexyl)phtha...	14.057	149	25990	2.681	ng	# 98
87) Indeno(1,2,3-cd)pyrene	17.098	276	57299	3.584	ng	96
88) Benzo(b)fluoranthene	15.139	252	264689	23.167	ng	# 96
89) Benzo(k)fluoranthene	15.139	252	264689	23.488	ng	# 96
90) Benzo(a)pyrene	15.515	252	102742	9.441	ng	97
92) Benzo(g,h,i)perylene	17.556	276	55171	4.302	ng	96

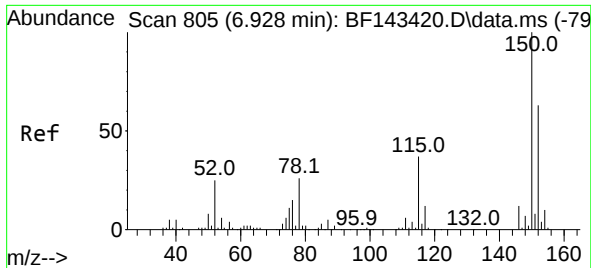
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143452.D
Acq On : 19 Aug 2025 13:01
Operator : RC/JU
Sample : Q2879-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Quant Time: Aug 19 19:21:19 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

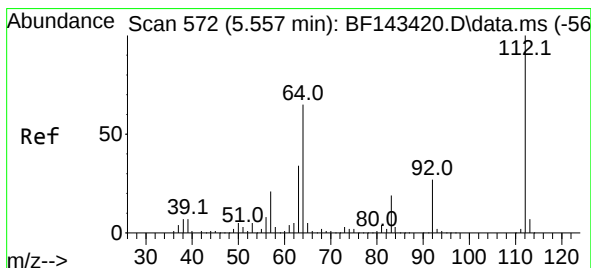
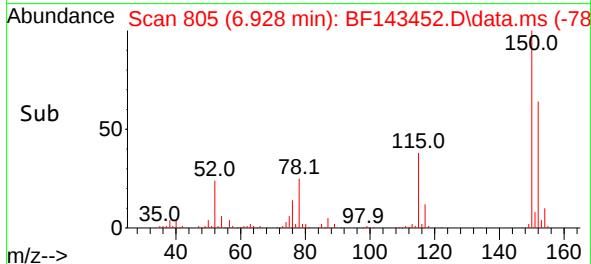
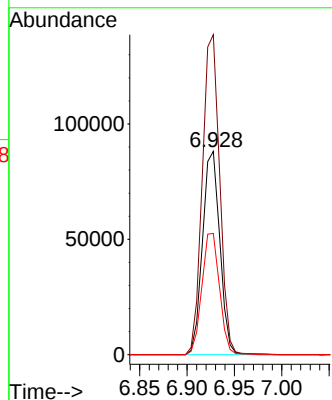
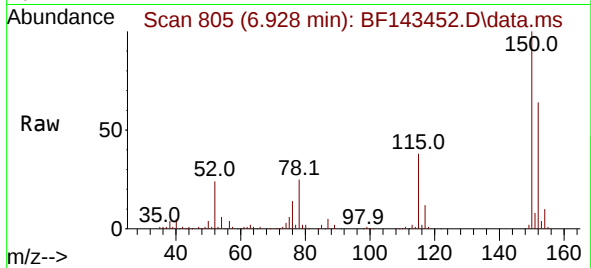




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF143452.D
 Acq: 19 Aug 2025 13:01

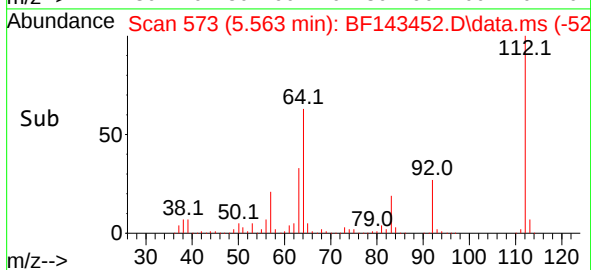
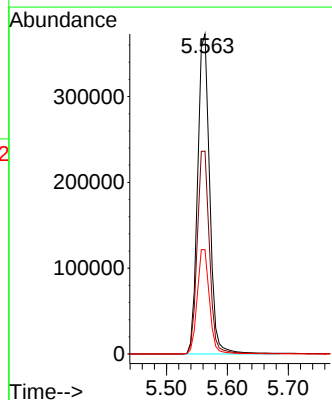
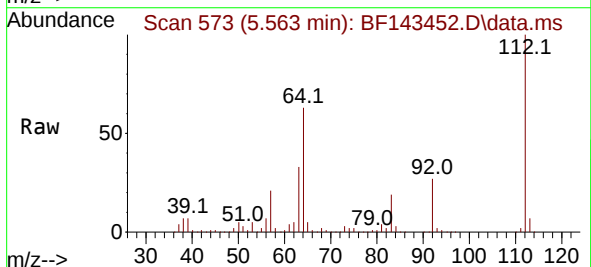
Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP04-081425

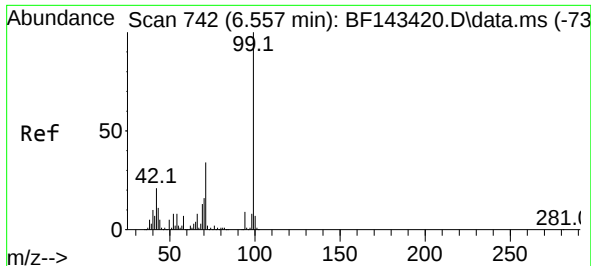
Tgt Ion:152 Resp: 111871
 Ion Ratio Lower Upper
 152 100
 150 157.4 127.4 191.2
 115 59.7 47.5 71.3



#5
 2-Fluorophenol
 Concen: 79.533 ng
 RT: 5.563 min Scan# 573
 Delta R.T. 0.006 min
 Lab File: BF143452.D
 Acq: 19 Aug 2025 13:01

Tgt Ion:112 Resp: 511842
 Ion Ratio Lower Upper
 112 100
 64 63.4 52.2 78.2
 63 32.6 27.0 40.6

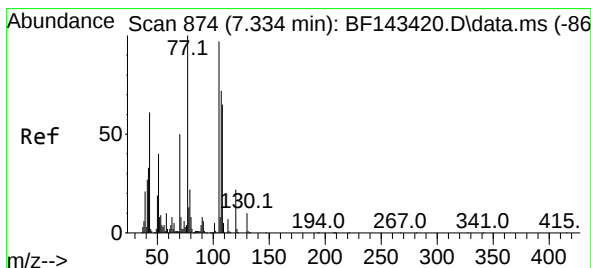
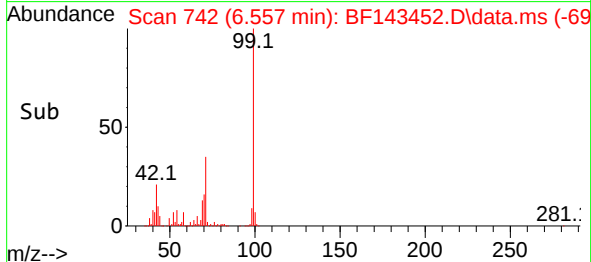
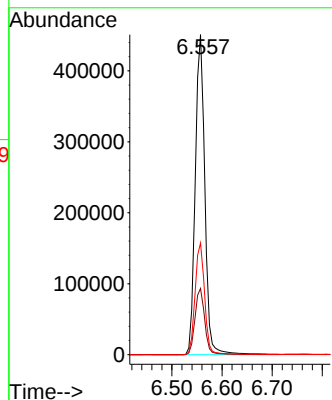
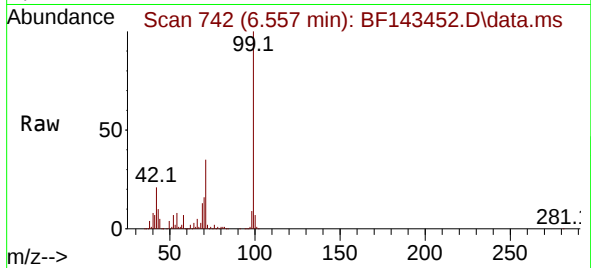




#7
Phenol-d6
Concen: 73.714 ng
RT: 6.557 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

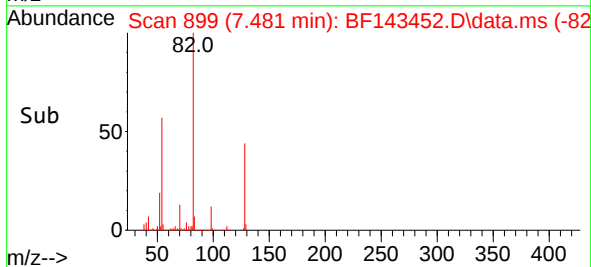
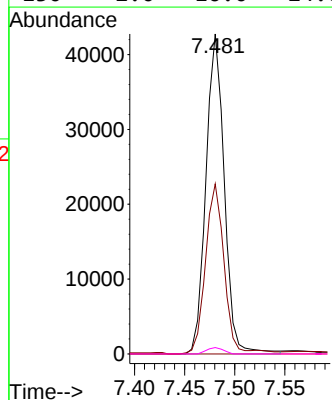
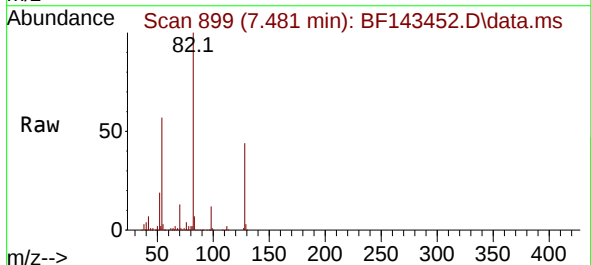
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

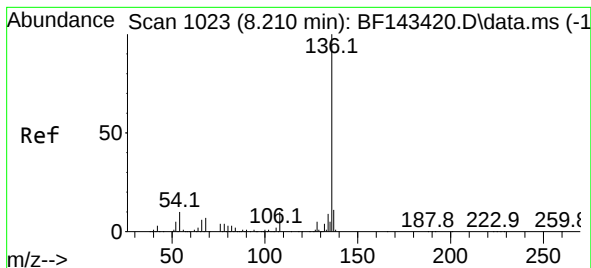
Tgt Ion: 99 Resp: 597843
Ion Ratio Lower Upper
99 100
42 20.7 17.0 25.6
71 34.9 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.889 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.147 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion: 70 Resp: 54671
Ion Ratio Lower Upper
70 100
42 53.2 52.5 78.7
101 0.0 7.9 11.9#
130 2.0 16.0 24.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.204 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143452.D

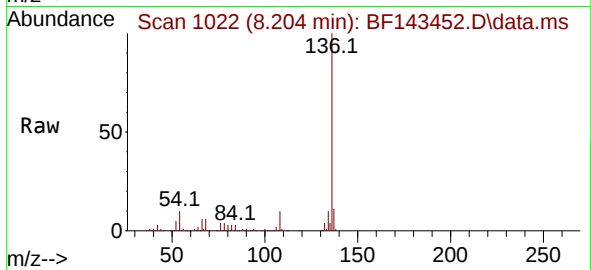
Acq: 19 Aug 2025 13:01

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP04-081425



Tgt Ion:136 Resp: 347487

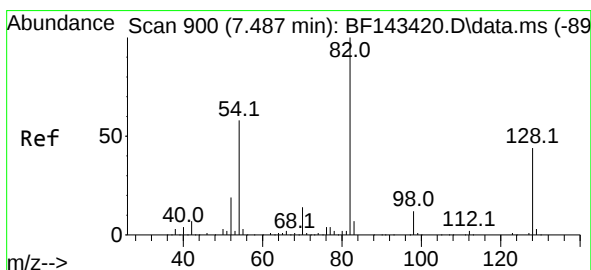
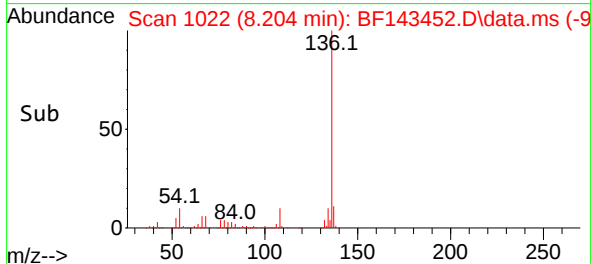
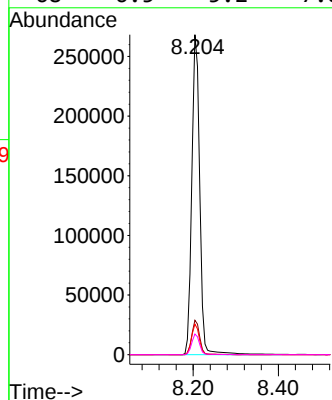
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 9.6 7.8 11.8

68 6.5 5.2 7.8



#23

Nitrobenzene-d5

Concen: 69.937 ng

RT: 7.481 min Scan# 899

Delta R.T. -0.006 min

Lab File: BF143452.D

Acq: 19 Aug 2025 13:01

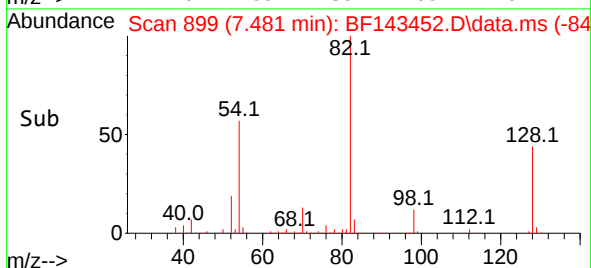
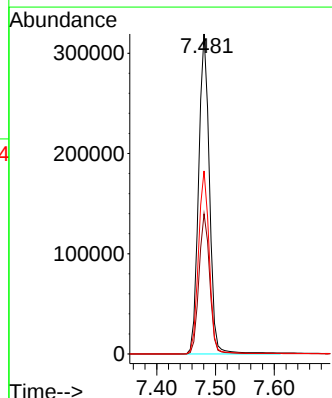
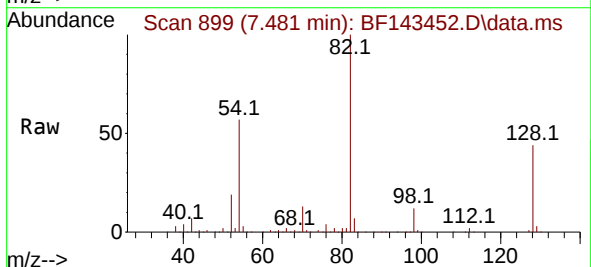
Tgt Ion: 82 Resp: 409547

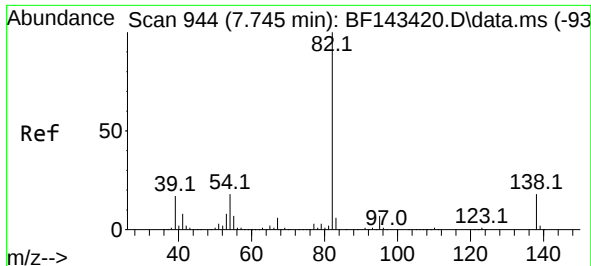
Ion Ratio Lower Upper

82 100

128 43.8 34.6 52.0

54 57.2 46.0 69.0

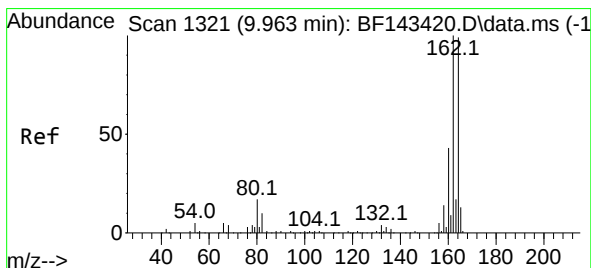
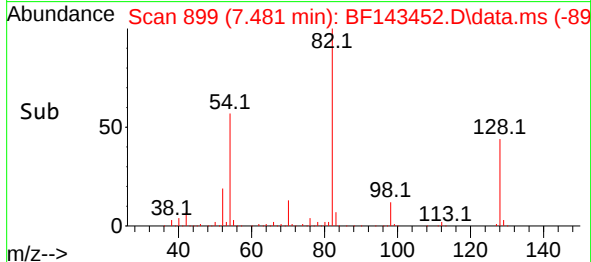
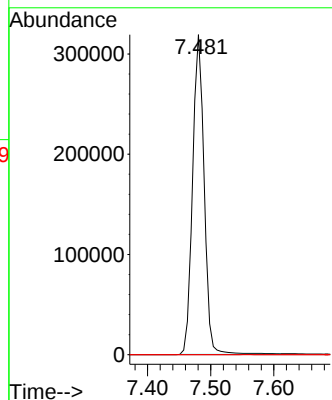
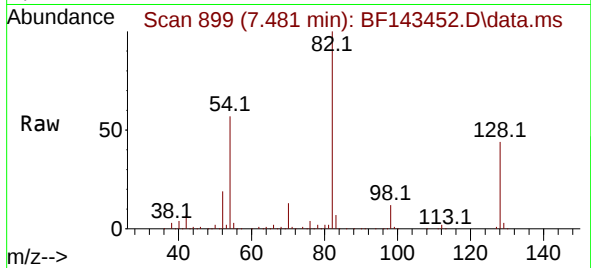




#25
Isophorone
Concen: 36.308 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.265 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

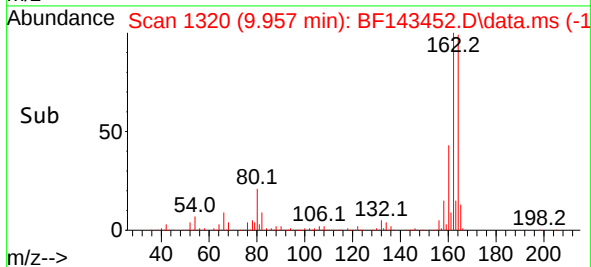
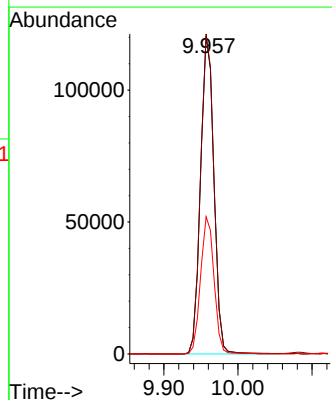
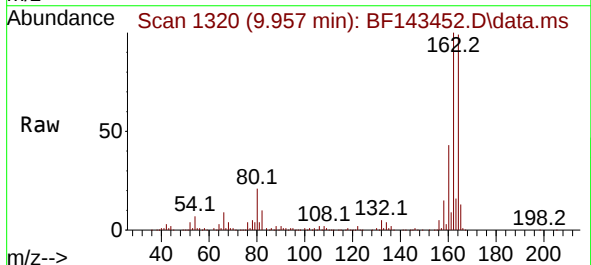
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

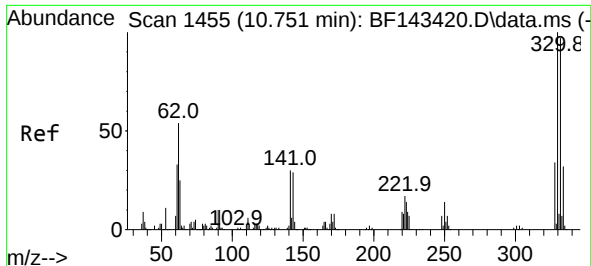
Tgt Ion: 82 Resp: 406932
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.3 21.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:164 Resp: 150668
Ion Ratio Lower Upper
164 100
162 100.7 80.6 121.0
160 43.2 34.6 51.8

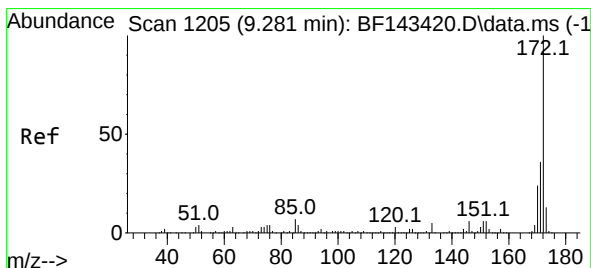
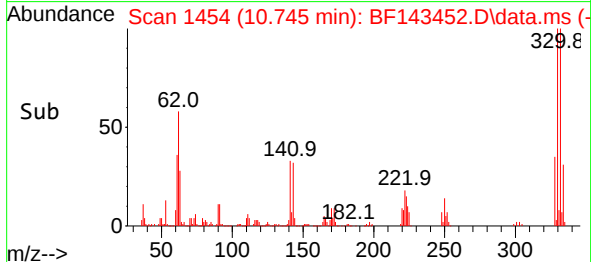
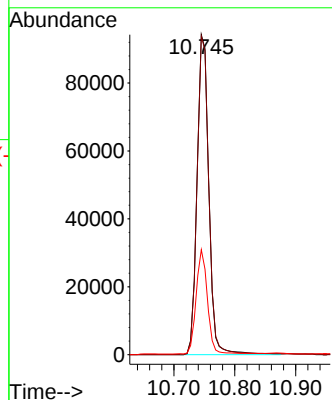
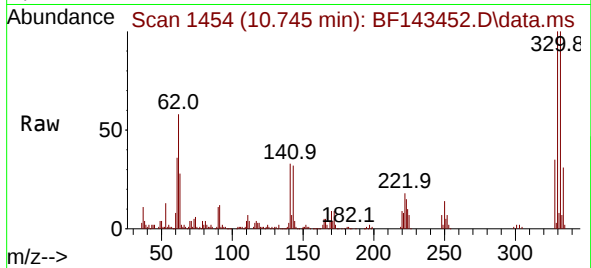




#42
2,4,6-Tribromophenol
Concen: 94.493 ng
RT: 10.745 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

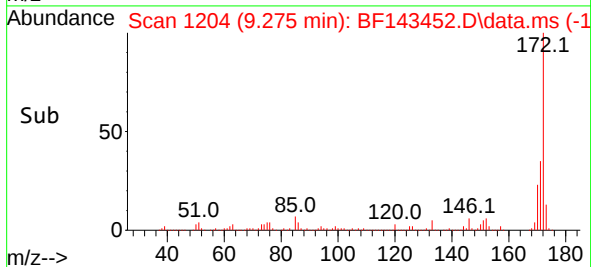
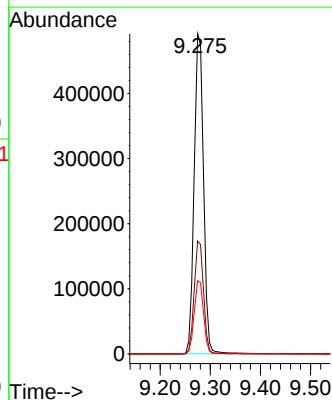
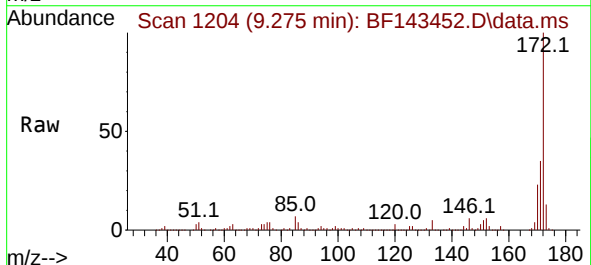
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

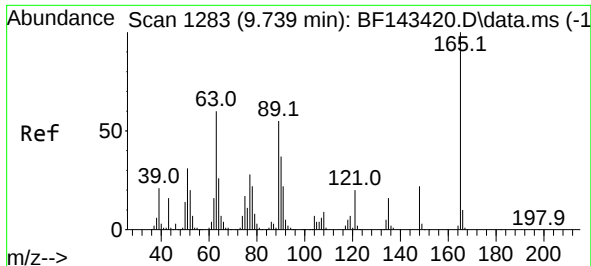
Tgt Ion:330 Resp: 126721
Ion Ratio Lower Upper
330 100
332 99.5 77.4 116.2
141 31.7 24.1 36.1



#45
2-Fluorobiphenyl
Concen: 71.302 ng
RT: 9.275 min Scan# 1204
Delta R.T. -0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:172 Resp: 638703
Ion Ratio Lower Upper
172 100
171 35.3 28.7 43.1
170 22.9 19.0 28.6

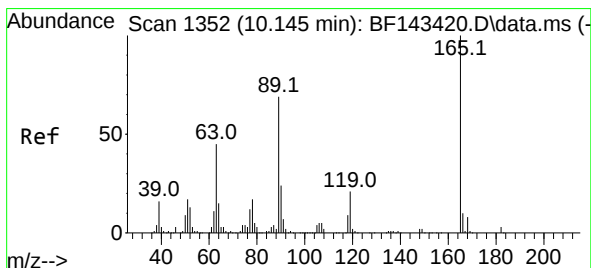
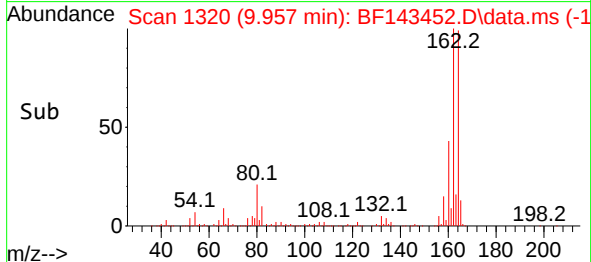
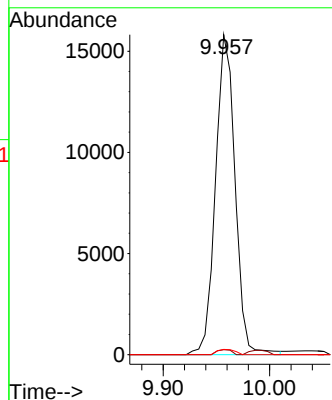
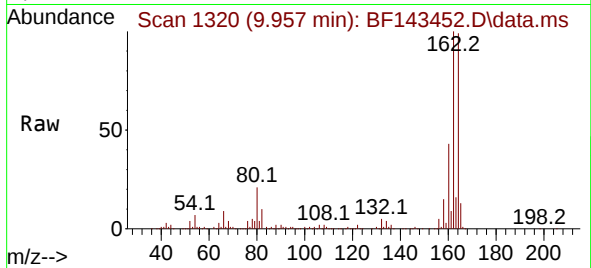




#51
2,6-Dinitrotoluene
Concen: 10.879 ng
RT: 9.957 min Scan# 11
Delta R.T. 0.217 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

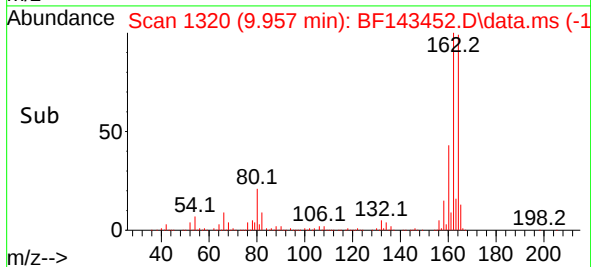
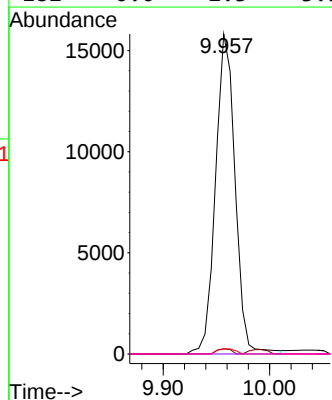
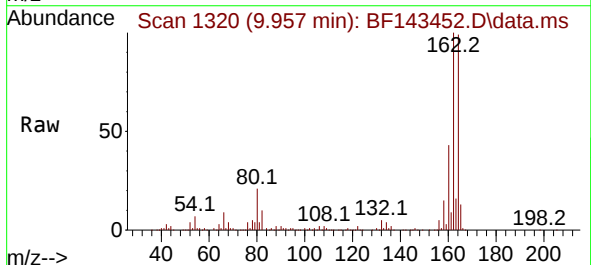
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

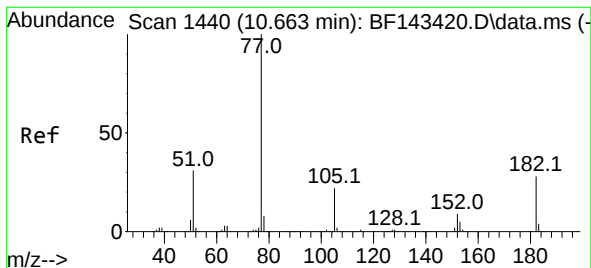
Tgt Ion:165 Resp: 20146
Ion Ratio Lower Upper
165 100
63 1.6 48.2 72.2#
89 1.6 44.2 66.2#



#57
2,4-Dinitrotoluene
Concen: 8.160 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.188 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:165 Resp: 20146
Ion Ratio Lower Upper
165 100
63 1.6 37.0 55.6#
89 1.6 55.4 83.0#
182 0.0 2.3 3.5#





#63

Azobenzene

Concen: 3.361 ng

RT: 10.669 min Scan# 1440

Delta R.T. 0.006 min

Lab File: BF143452.D

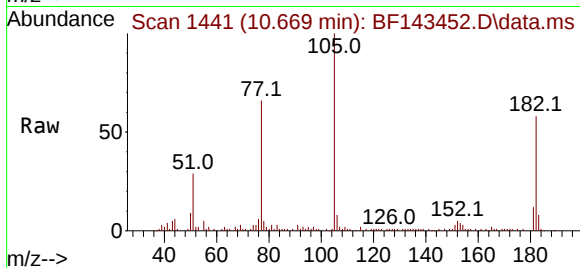
Acq: 19 Aug 2025 13:01

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP04-081425



Tgt Ion: 77 Resp: 29488

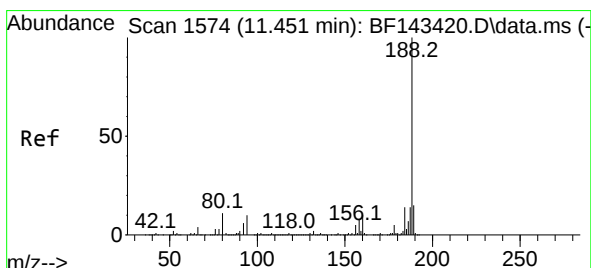
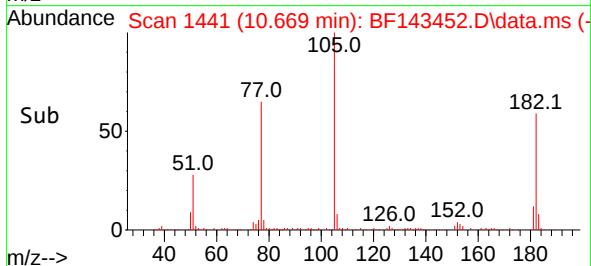
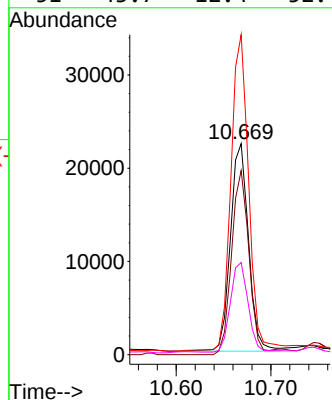
Ion Ratio Lower Upper

77 100

182 87.2 7.4 47.4#

105 151.6 1.7 41.7#

51 43.7 12.4 52.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.445 min Scan# 1573

Delta R.T. -0.006 min

Lab File: BF143452.D

Acq: 19 Aug 2025 13:01

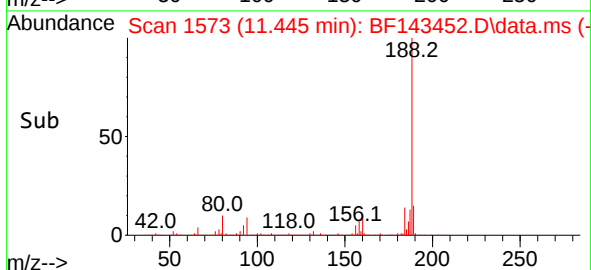
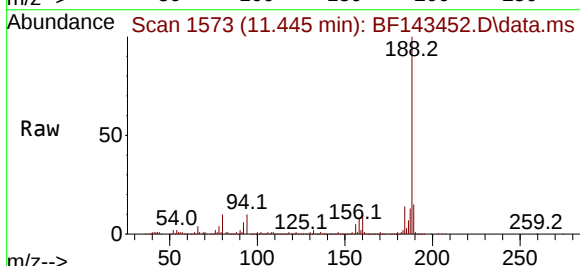
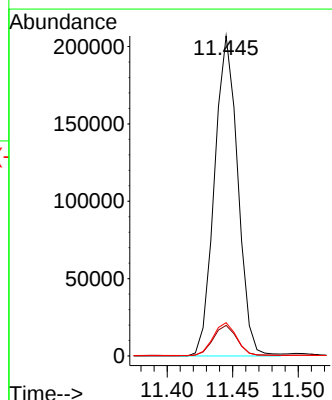
Tgt Ion:188 Resp: 255855

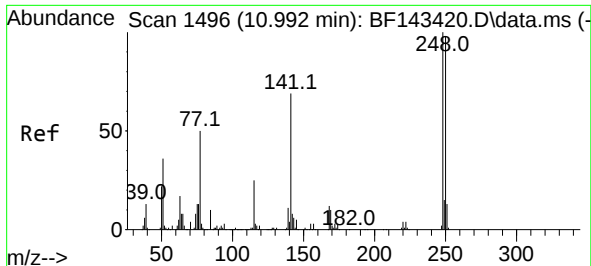
Ion Ratio Lower Upper

188 100

94 9.6 8.0 12.0

80 10.4 8.6 12.8

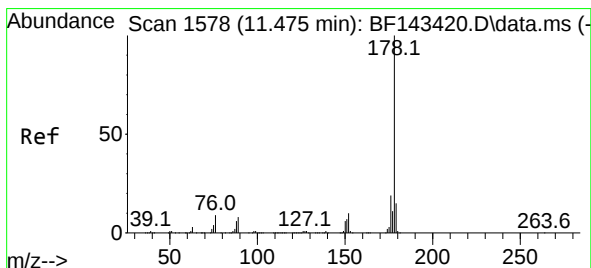
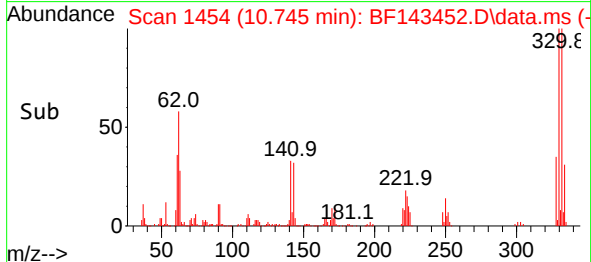
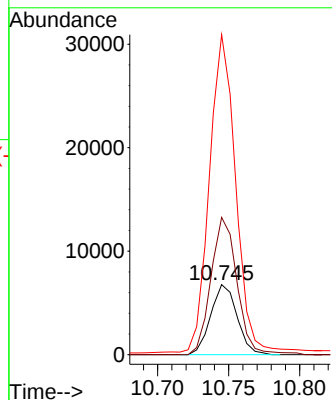
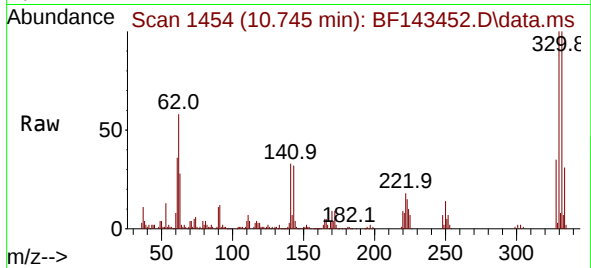




#67
4-Bromophenyl-phenylether
Concen: 2.890 ng
RT: 10.745 min Scan# 1496
Delta R.T. -0.247 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

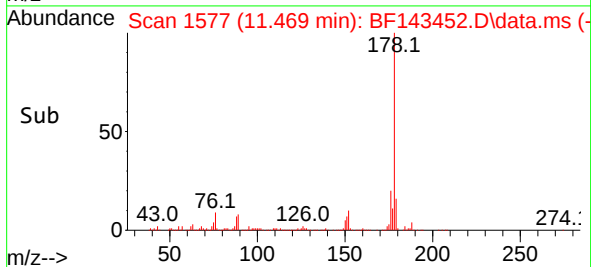
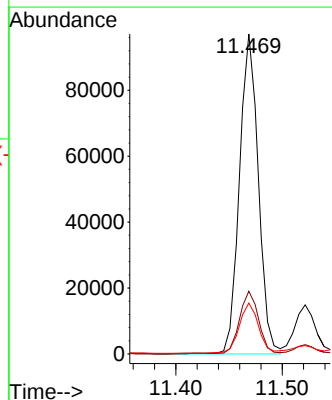
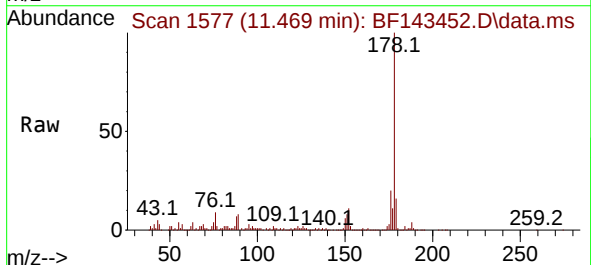
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

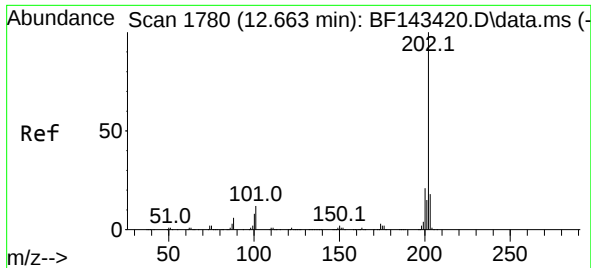
Tgt Ion:248 Resp: 8732
Ion Ratio Lower Upper
248 100
250 195.8 78.6 118.0#
141 456.3 54.9 82.3#



#71
Phenanthrene
Concen: 8.641 ng
RT: 11.469 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:178 Resp: 119727
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.0
179 15.9 12.3 18.5

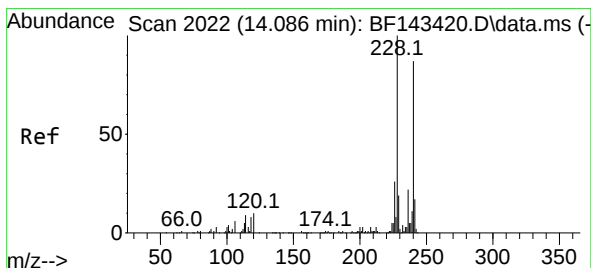
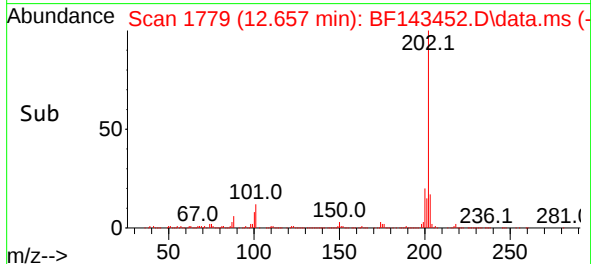
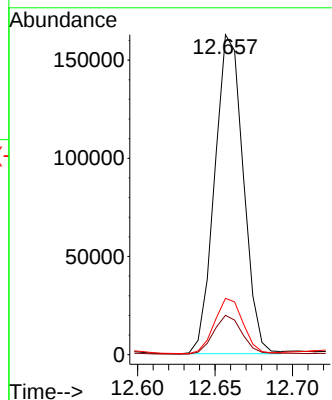
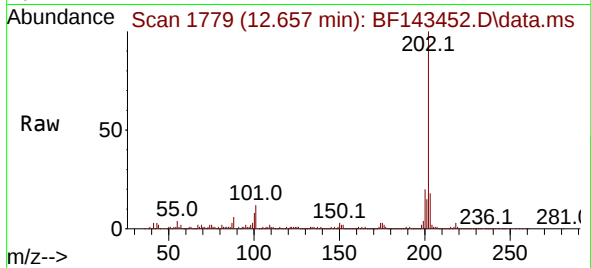




#75
Fluoranthene
Concen: 16.967 ng
RT: 12.657 min Scan# 1779
Delta R.T. -0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

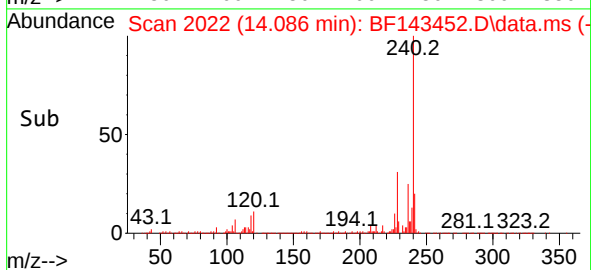
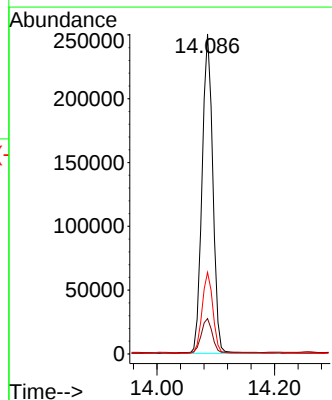
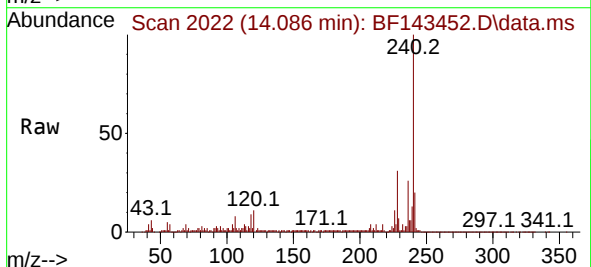
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

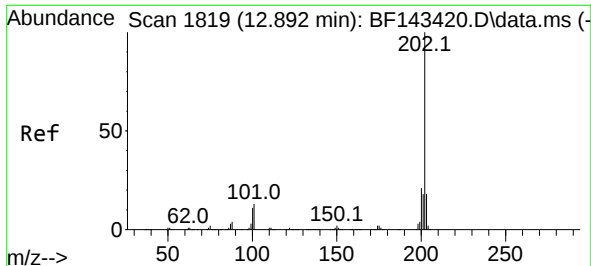
Tgt Ion:202 Resp: 208878
Ion Ratio Lower Upper
202 100
101 12.3 0.0 31.5
203 17.6 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:240 Resp: 317101
Ion Ratio Lower Upper
240 100
120 11.1 9.0 13.4
236 25.5 20.2 30.2

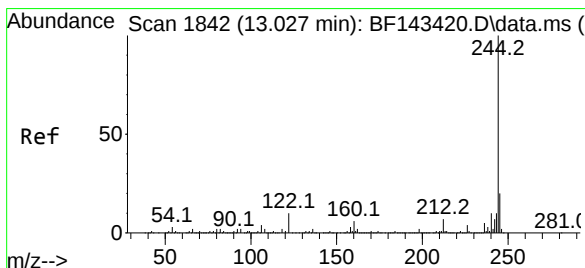
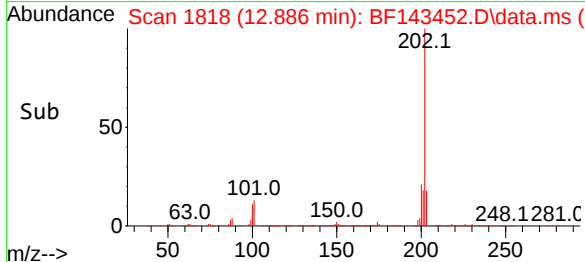
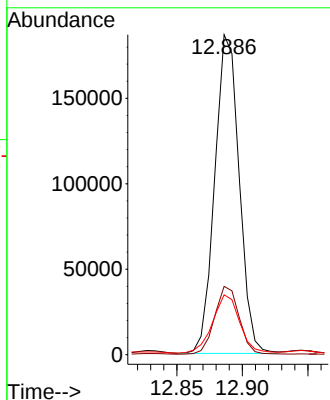
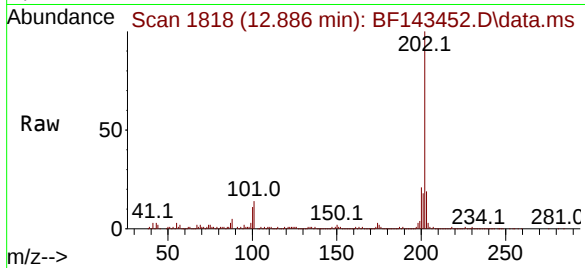




#78
Pyrene
Concen: 8.771 ng
RT: 12.886 min Scan# 1819
Delta R.T. -0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

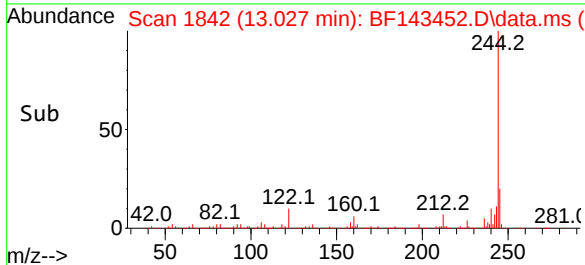
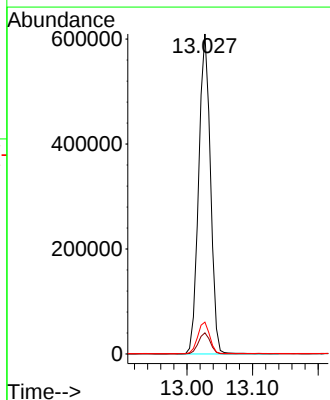
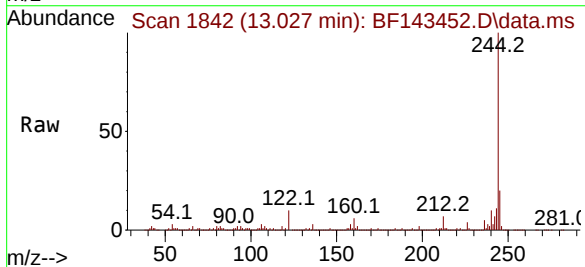
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

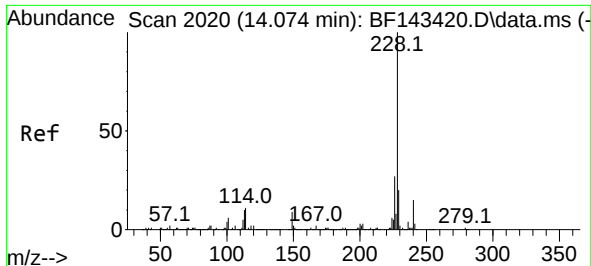
Tgt Ion:202 Resp: 241733
Ion Ratio Lower Upper
202 100
200 21.4 17.1 25.7
203 18.7 14.2 21.2



#79
Terphenyl-d14
Concen: 40.446 ng
RT: 13.027 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:244 Resp: 763485
Ion Ratio Lower Upper
244 100
212 6.6 5.2 7.8
122 10.0 8.3 12.5

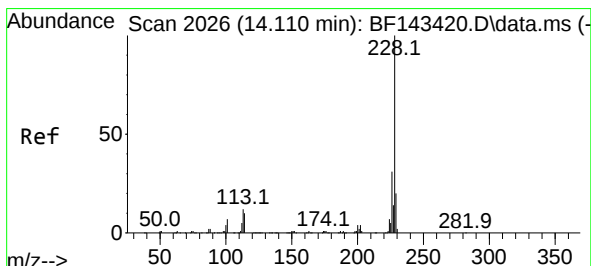
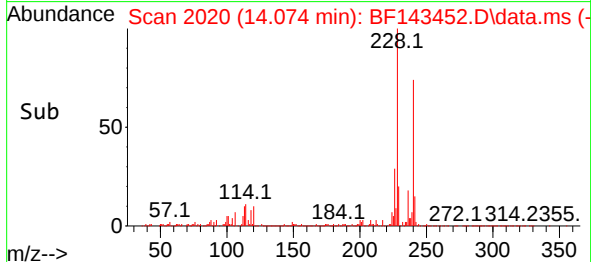
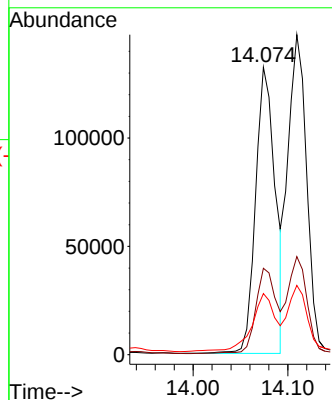
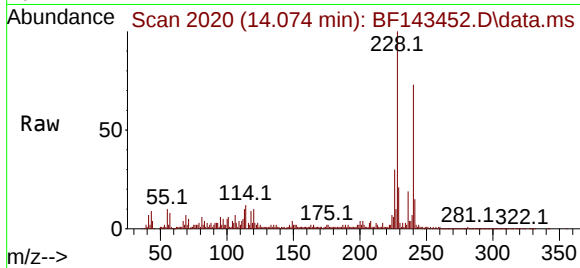




#81
Benzo(a)anthracene
Concen: 9.455 ng
RT: 14.074 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

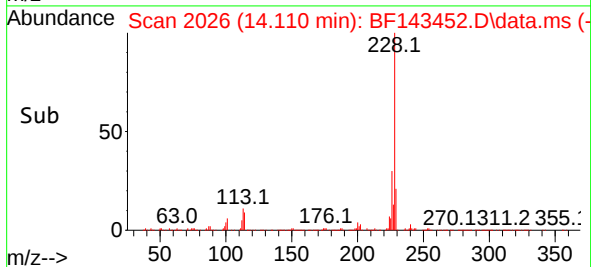
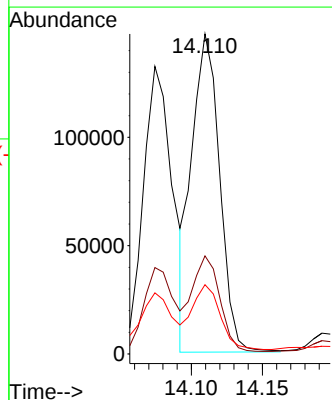
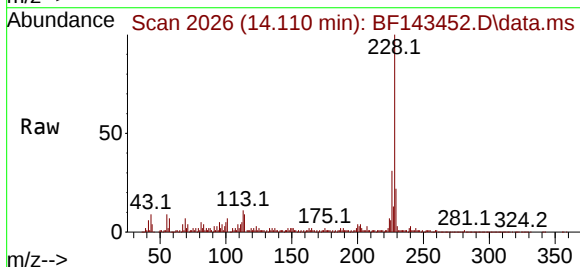
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

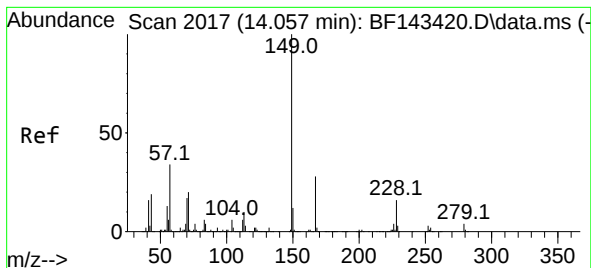
Tgt Ion:228 Resp: 190874
Ion Ratio Lower Upper
228 100
226 30.0 21.5 32.3
229 21.3 15.7 23.5



#83
Chrysene
Concen: 10.739 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:228 Resp: 200424
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 21.7 16.1 24.1

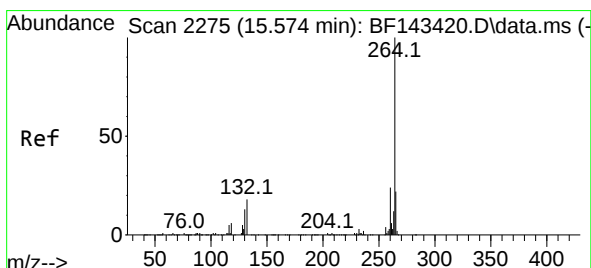
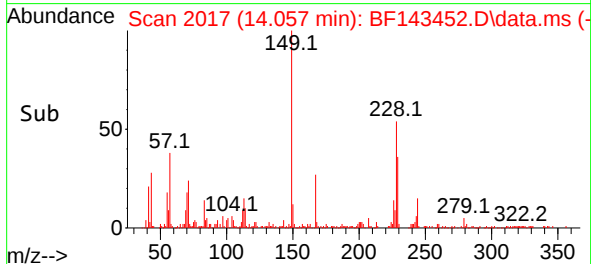
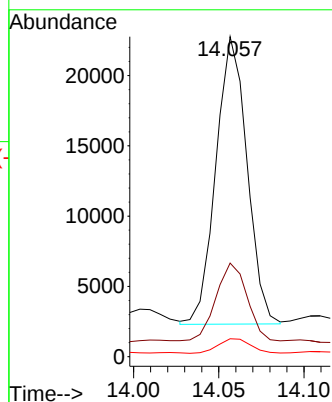
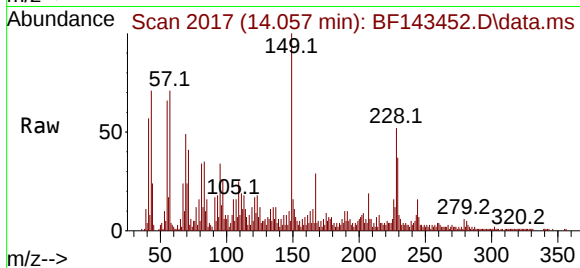




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.681 ng
 RT: 14.057 min Scan# 2017
 Delta R.T. -0.000 min
 Lab File: BF143452.D
 Acq: 19 Aug 2025 13:01

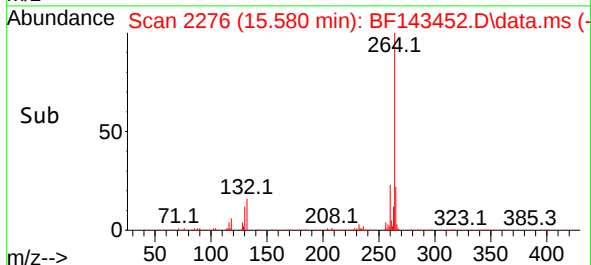
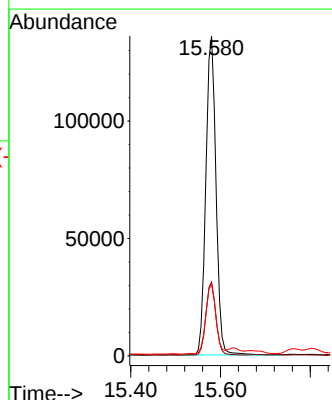
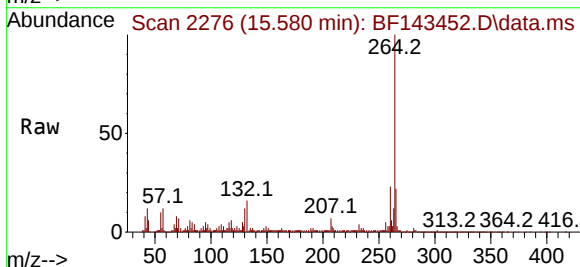
Instrument : BNA_F
 ClientSampleId : OU4-TS-GRILLO-TSCP04-081425

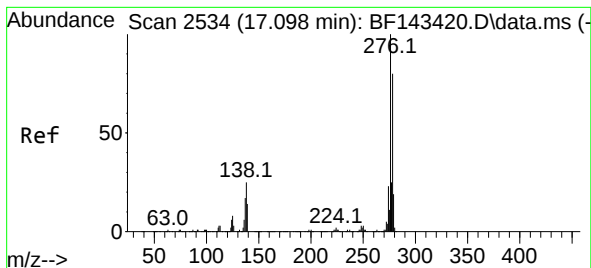
Tgt Ion:149 Resp: 25990
 Ion Ratio Lower Upper
 149 100
 167 29.3 22.6 33.8
 279 5.6 3.5 5.3#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.580 min Scan# 2276
 Delta R.T. 0.006 min
 Lab File: BF143452.D
 Acq: 19 Aug 2025 13:01

Tgt Ion:264 Resp: 213178
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.8 28.2
 265 22.4 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.584 ng

RT: 17.098 min Scan# 2

Delta R.T. -0.000 min

Lab File: BF143452.D

Acq: 19 Aug 2025 13:01

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP04-081425

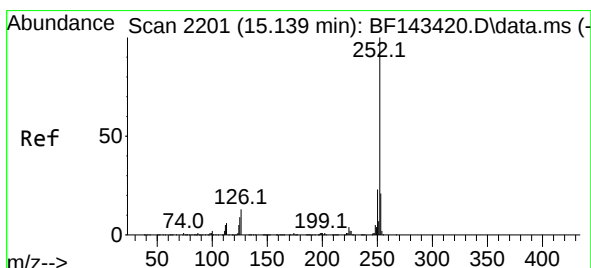
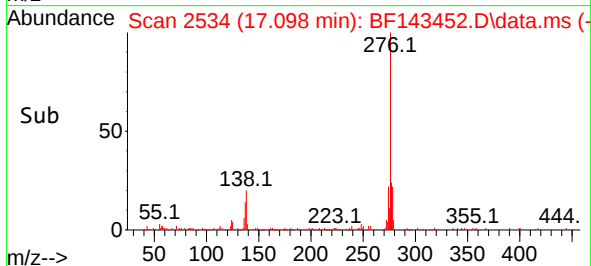
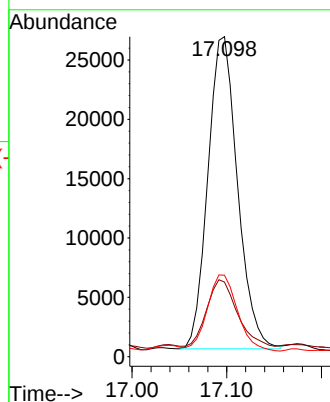
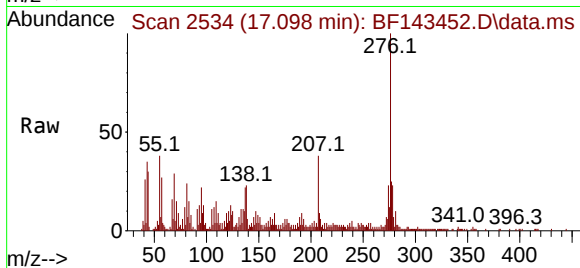
Tgt Ion:276 Resp: 57299

Ion Ratio Lower Upper

276 100

138 21.4 20.2 30.4

277 24.9 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 23.167 ng

RT: 15.139 min Scan# 2201

Delta R.T. -0.000 min

Lab File: BF143452.D

Acq: 19 Aug 2025 13:01

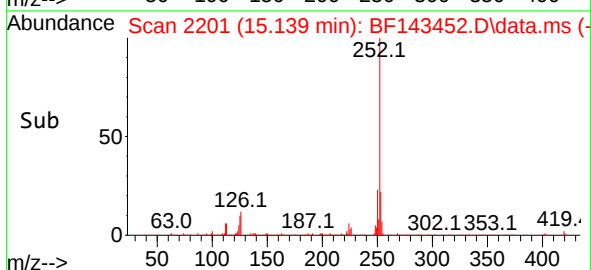
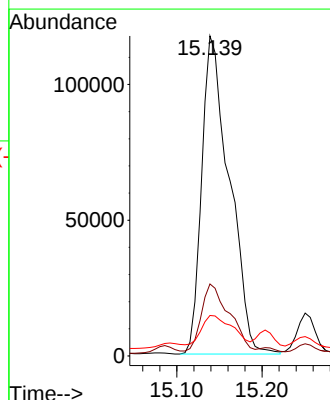
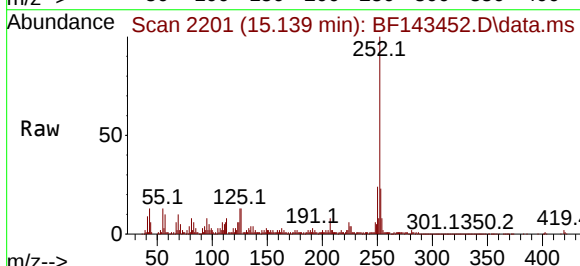
Tgt Ion:252 Resp: 264689

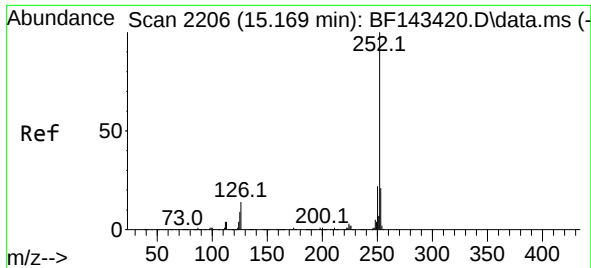
Ion Ratio Lower Upper

252 100

253 22.5 17.1 25.7

125 12.6 7.5 11.3#

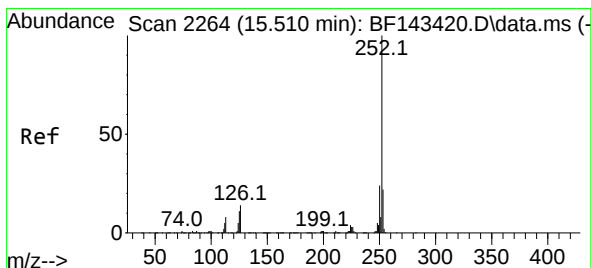
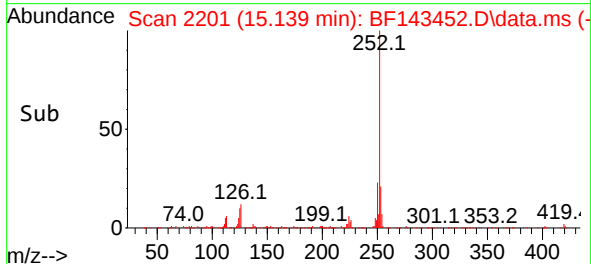
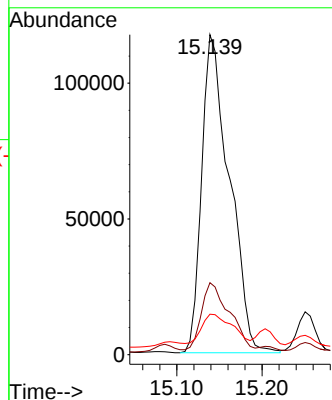
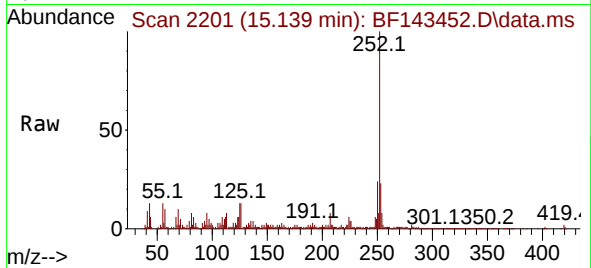




#89
Benzo(k)fluoranthene
Concen: 23.488 ng
RT: 15.139 min Scan# 21
Delta R.T. -0.030 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

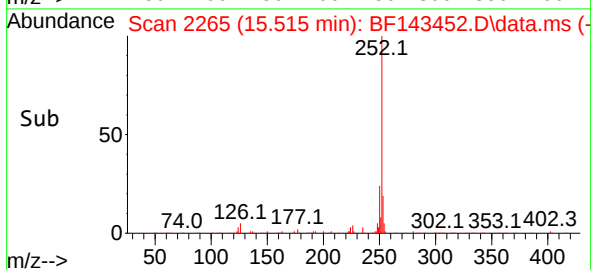
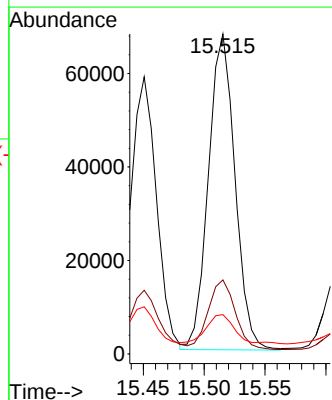
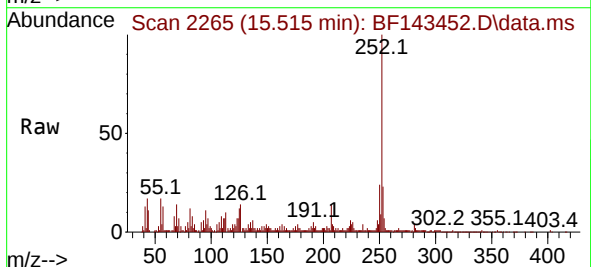
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

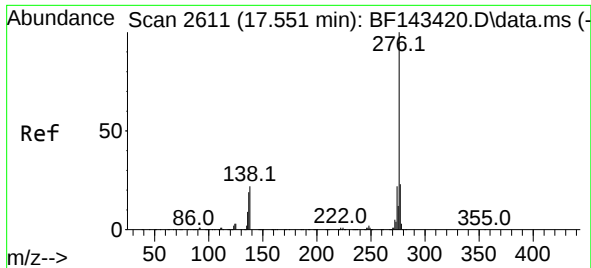
Tgt Ion:252 Resp: 264689
Ion Ratio Lower Upper
252 100
253 22.5 17.2 25.8
125 12.6 7.4 11.2#



#90
Benzo(a)pyrene
Concen: 9.441 ng
RT: 15.515 min Scan# 2265
Delta R.T. 0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

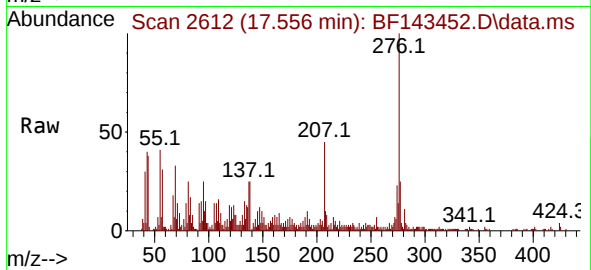
Tgt Ion:252 Resp: 102742
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.2
125 12.3 8.6 12.8





#92
 Benzo(g,h,i)perylene
 Concen: 4.302 ng
 RT: 17.556 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: BF143452.D
 Acq: 19 Aug 2025 13:01

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP04-081425



Tgt Ion:	276	Resp:	55171
Ion Ratio	Lower	Upper	
276	100		
277	25.0	18.7	28.1
138	24.6	17.5	26.3

