

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
 Data File : BF143454.D
 Acq On : 19 Aug 2025 13:59
 Operator : RC/JU
 Sample : Q2879-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP06-081425

Quant Time: Aug 19 14:23:59 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)

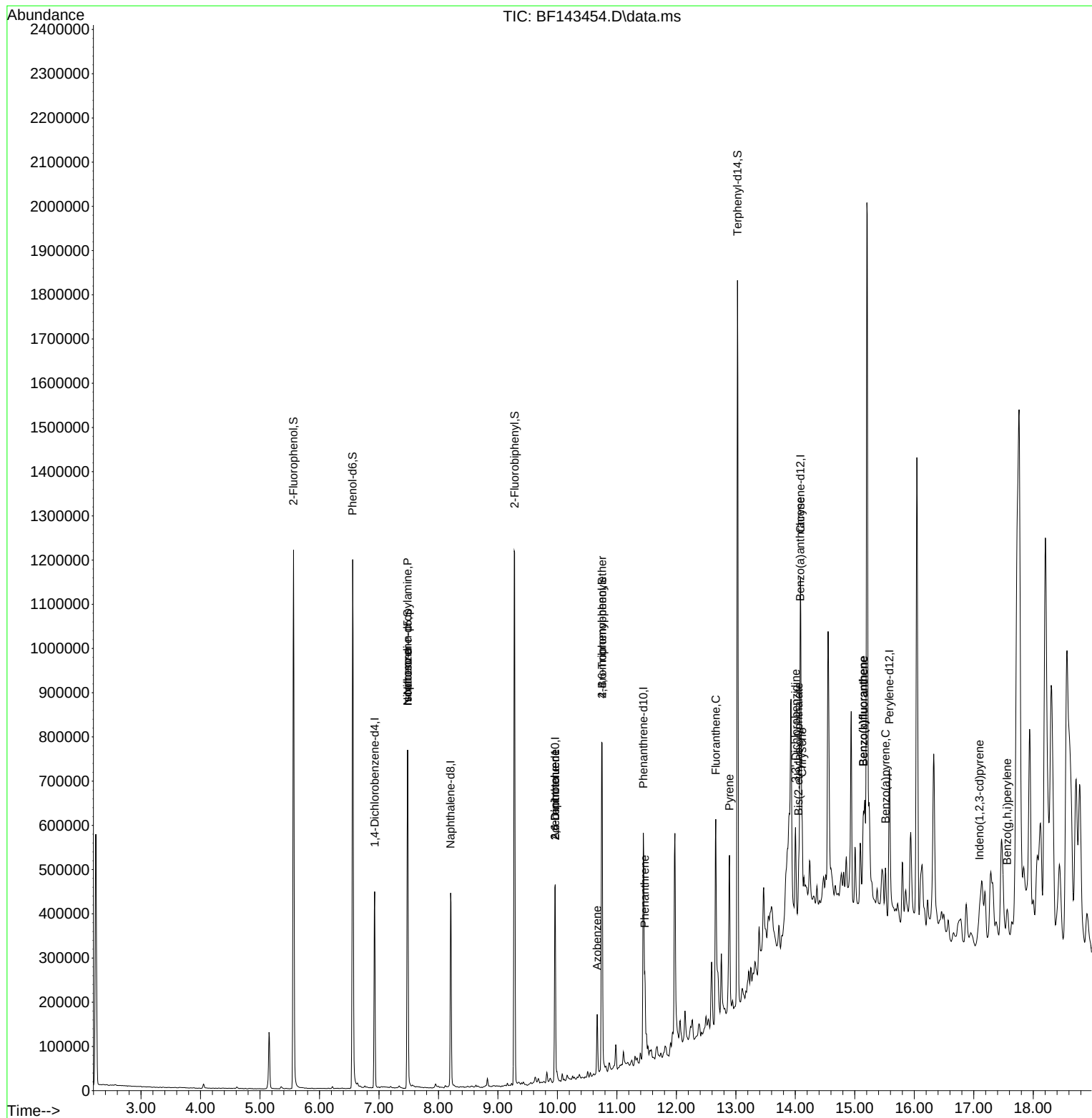
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	93502	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	282085	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	137092	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	259400	20.000	ng	0.00
76) Chrysene-d12	14.086	240	307100	20.000	ng	0.00
86) Perylene-d12	15.580	264	179616	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	441466	82.074	ng	0.00
7) Phenol-d6	6.557	99	544998	80.400	ng	0.00
23) Nitrobenzene-d5	7.481	82	320998	67.525	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	131990	108.169	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	548973	67.354	ng	0.00
79) Terphenyl-d14	13.027	244	797904	43.646	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	44009	10.487	ng	# 78
25) Isophorone	7.481	82	319815	35.151	ng	# 65
51) 2,6-Dinitrotoluene	9.963	165	18039	10.706	ng	# 24
57) 2,4-Dinitrotoluene	9.963	165	18095	8.055	ng	# 25
63) Azobenzene	10.669	77	31264	3.916	ng	# 1
67) 4-Bromophenyl-phenylether	10.751	248	8954	2.923	ng	# 1
71) Phenanthrene	11.469	178	87046	6.197	ng	100
75) Fluoranthene	12.663	202	237722	19.046	ng	99
78) Pyrene	12.892	202	206472	7.735	ng	98
81) Benzo(a)anthracene	14.080	228	129626	6.630	ng	95
82) 3,3'-Dichlorobenzidine	14.004	252	61952	10.822	ng	# 34
83) Chrysene	14.116	228	114265	6.322	ng	98
84) Bis(2-ethylhexyl)phtha...	14.057	149	40670	4.332	ng	98
87) Indeno(1,2,3-cd)pyrene	17.098	276	38371	2.849	ng	93
88) Benzo(b)fluoranthene	15.145	252	142997	14.854	ng	# 91
89) Benzo(k)fluoranthene	15.145	252	142997	15.060	ng	# 91
90) Benzo(a)pyrene	15.515	252	59661	6.507	ng	# 92
92) Benzo(g,h,i)perylene	17.562	276	38729	3.584	ng	94

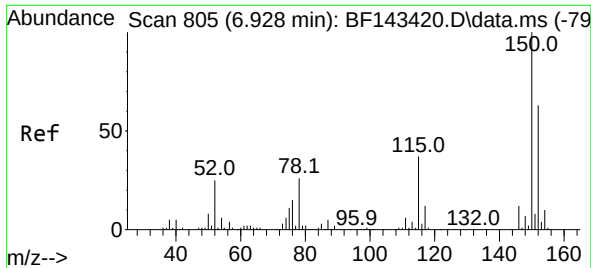
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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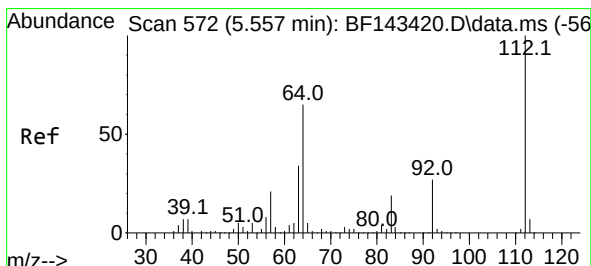
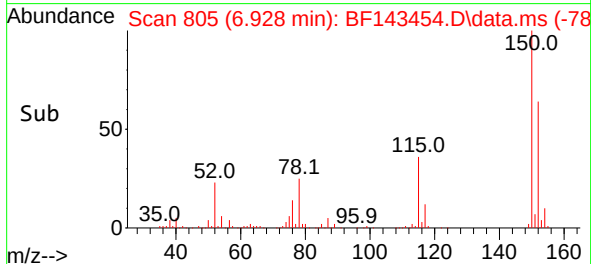
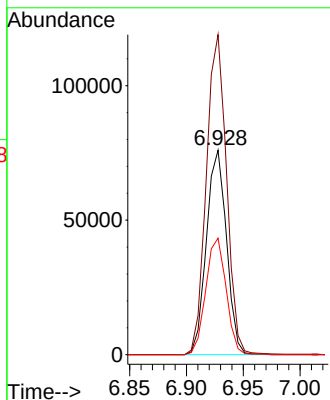
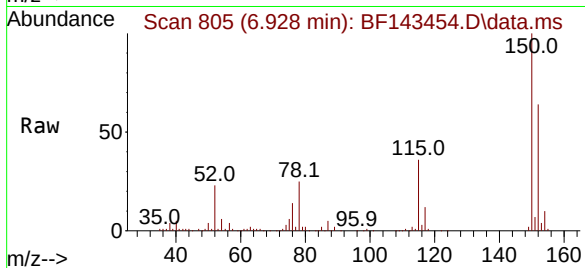




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF143454.D
 Acq: 19 Aug 2025 13:59

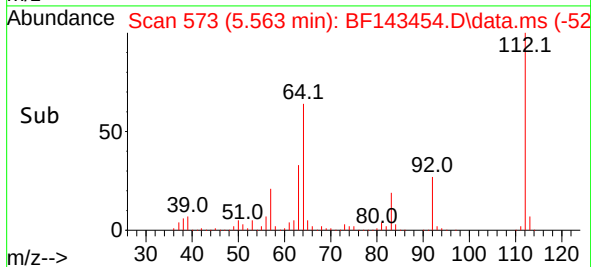
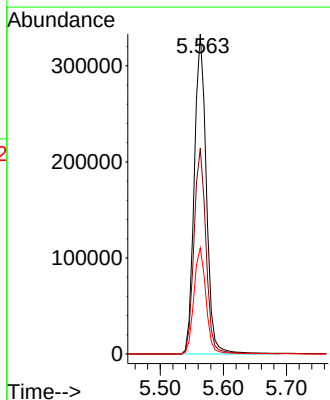
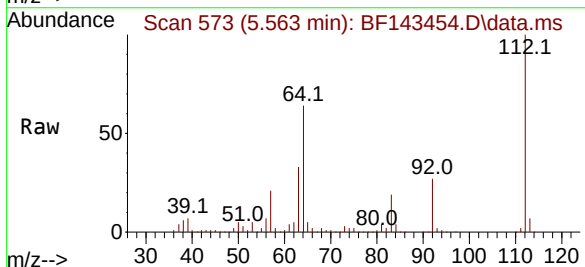
Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP06-081425

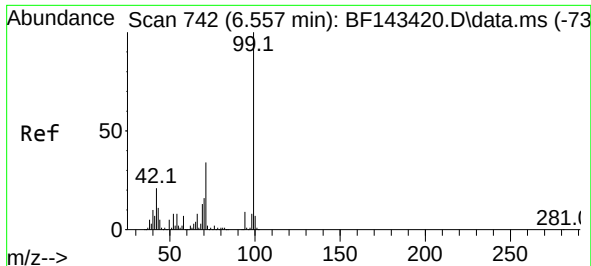
Tgt Ion:152 Resp: 93502
 Ion Ratio Lower Upper
 152 100
 150 156.5 127.4 191.2
 115 57.0 47.5 71.3



#5
 2-Fluorophenol
 Concen: 82.074 ng
 RT: 5.563 min Scan# 573
 Delta R.T. 0.006 min
 Lab File: BF143454.D
 Acq: 19 Aug 2025 13:59

Tgt Ion:112 Resp: 441466
 Ion Ratio Lower Upper
 112 100
 64 64.3 52.2 78.2
 63 33.2 27.0 40.6

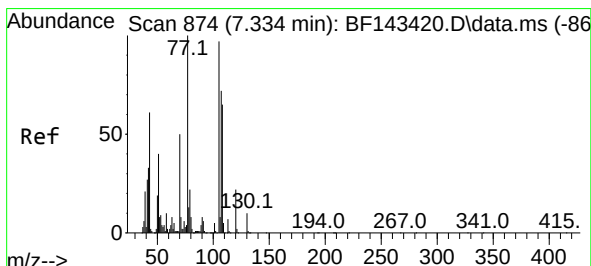
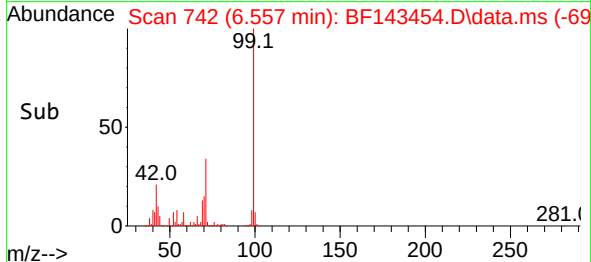
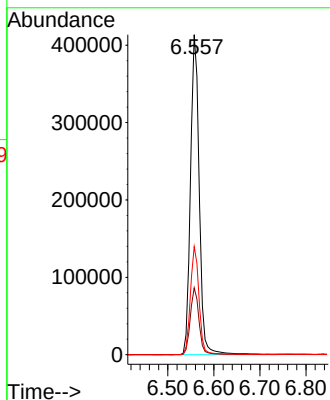
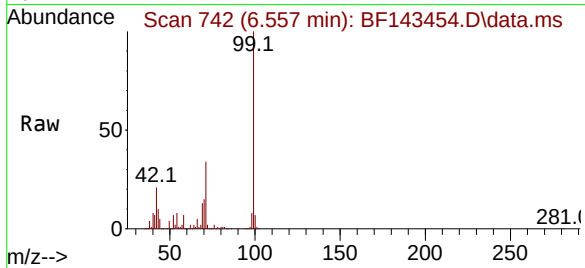




#7
Phenol-d6
Concen: 80.400 ng
RT: 6.557 min Scan# 742
Delta R.T. -0.000 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

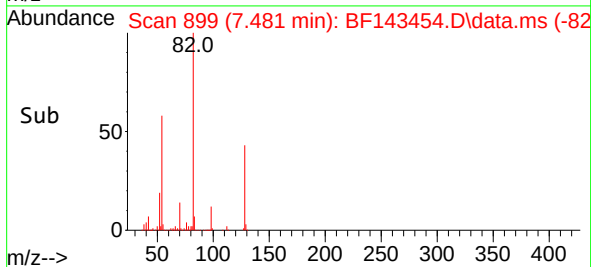
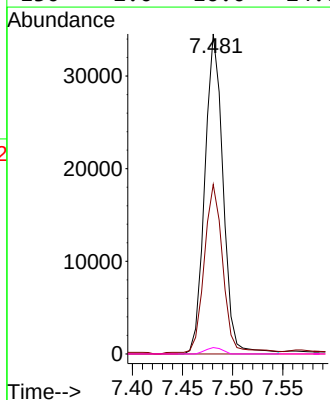
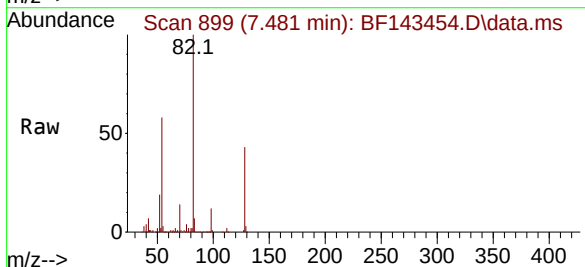
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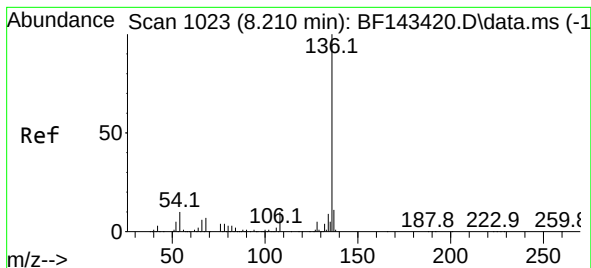
Tgt Ion: 99 Resp: 544998
Ion Ratio Lower Upper
99 100
42 20.9 17.0 25.6
71 33.8 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.487 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.147 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion: 70 Resp: 44009
Ion Ratio Lower Upper
70 100
42 52.9 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: BF143454.D

Acq: 19 Aug 2025 13:59

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP06-081425

Tgt Ion:136 Resp: 282085

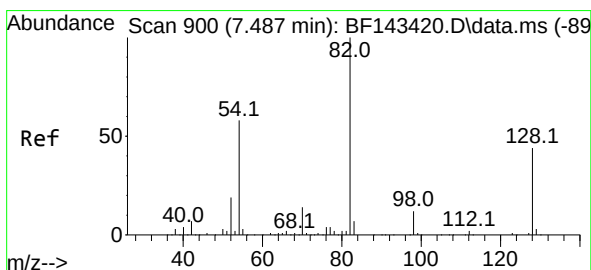
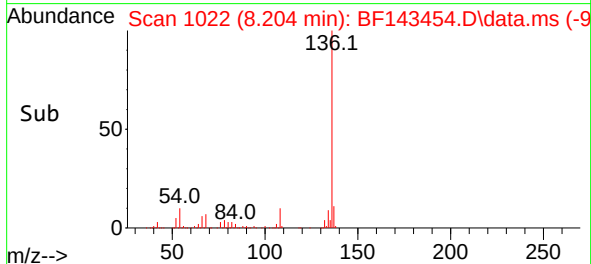
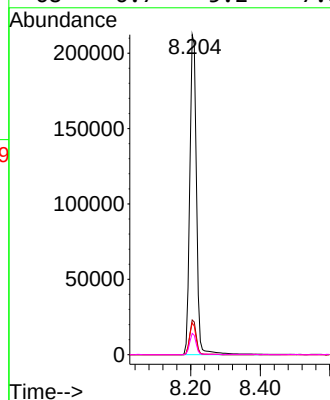
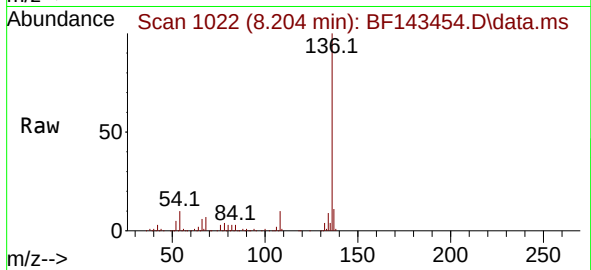
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 10.0 7.8 11.8

68 6.7 5.2 7.8



#23

Nitrobenzene-d5

Concen: 67.525 ng

RT: 7.481 min Scan# 899

Delta R.T. -0.006 min

Lab File: BF143454.D

Acq: 19 Aug 2025 13:59

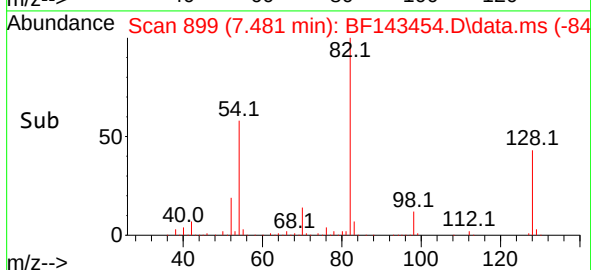
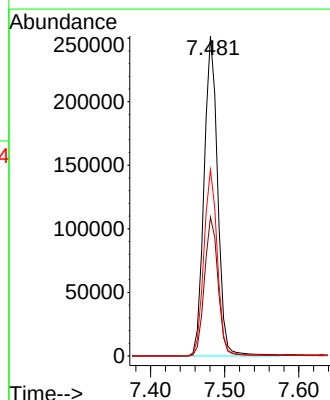
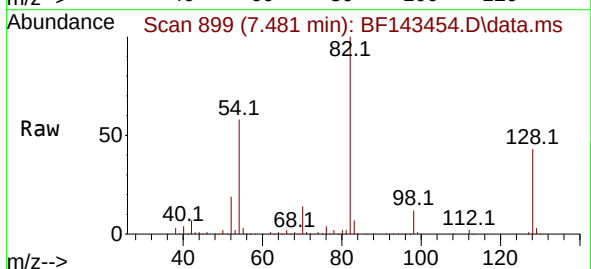
Tgt Ion: 82 Resp: 320998

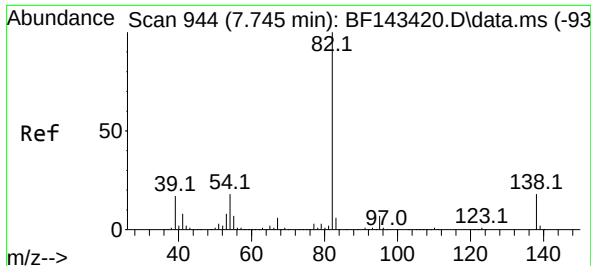
Ion Ratio Lower Upper

82 100

128 43.4 34.6 52.0

54 58.3 46.0 69.0

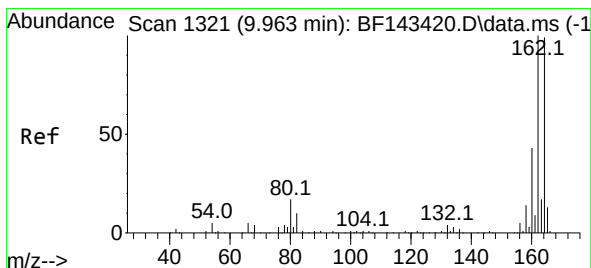
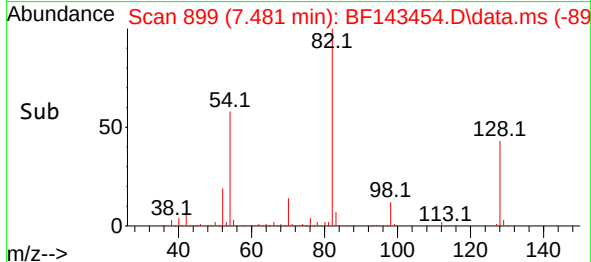
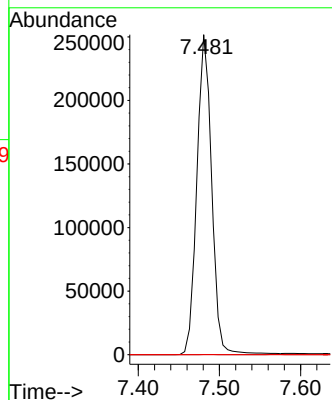
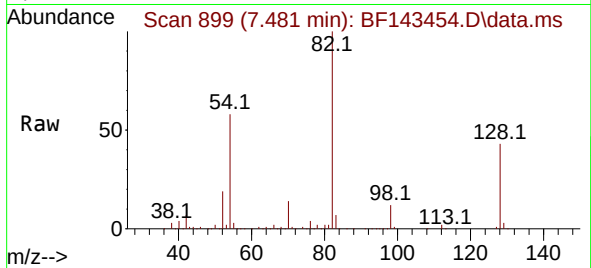




#25
Isophorone
Concen: 35.151 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.265 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

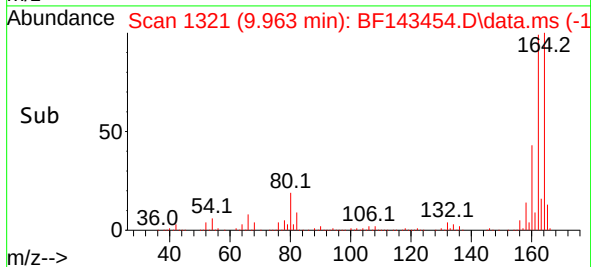
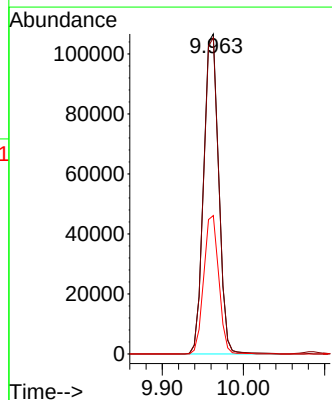
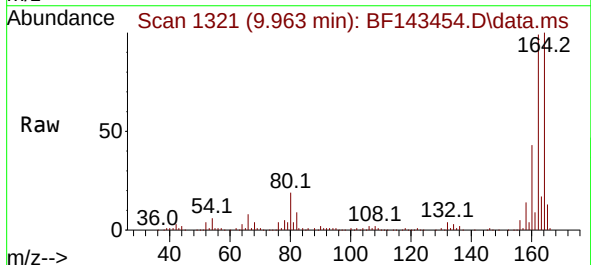
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

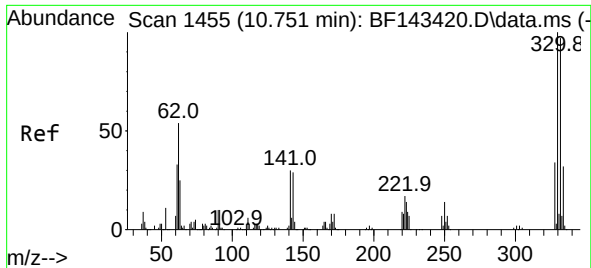
Tgt Ion: 82 Resp: 319815
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 14.3 21.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:164 Resp: 137092
Ion Ratio Lower Upper
164 100
162 98.8 80.6 121.0
160 43.2 34.6 51.8

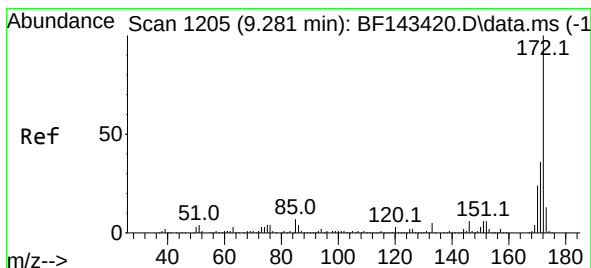
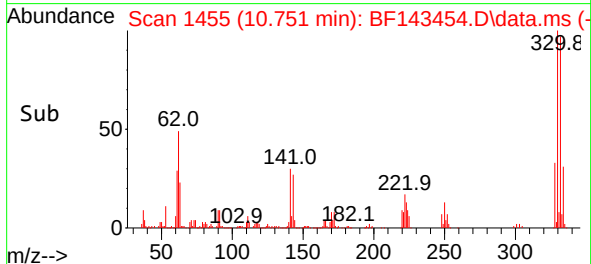
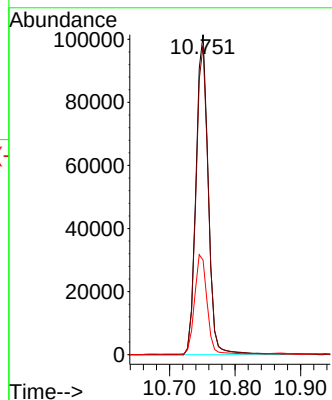
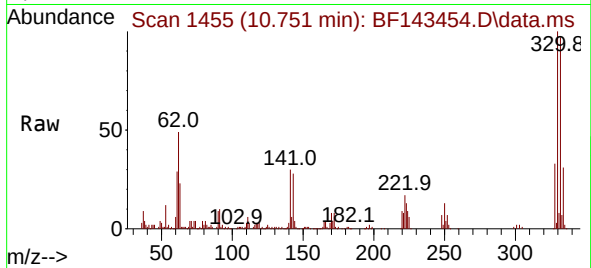




#42
 2,4,6-Tribromophenol
 Concen: 108.169 ng
 RT: 10.751 min Scan# 1455
 Delta R.T. -0.000 min
 Lab File: BF143454.D
 Acq: 19 Aug 2025 13:59

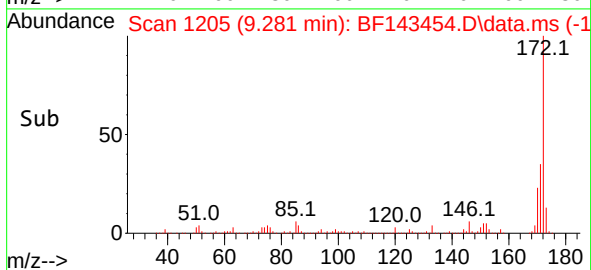
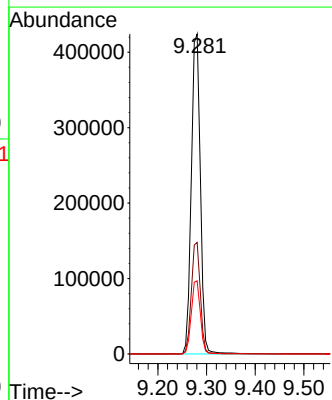
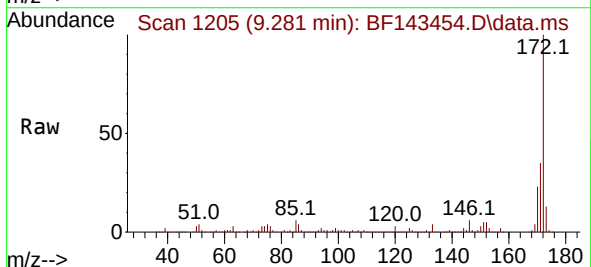
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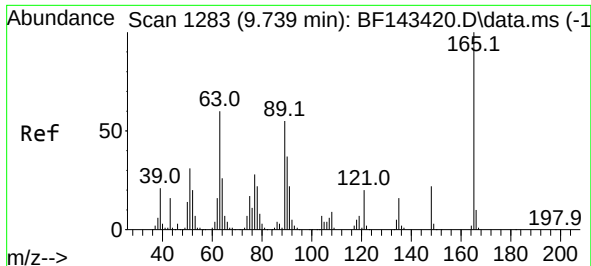
Tgt Ion: 330 Resp: 131990
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.4 116.2
 141 31.4 24.1 36.1



#45
 2-Fluorobiphenyl
 Concen: 67.354 ng
 RT: 9.281 min Scan# 1205
 Delta R.T. -0.000 min
 Lab File: BF143454.D
 Acq: 19 Aug 2025 13:59

Tgt Ion: 172 Resp: 548973
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.7 43.1
 170 22.9 19.0 28.6

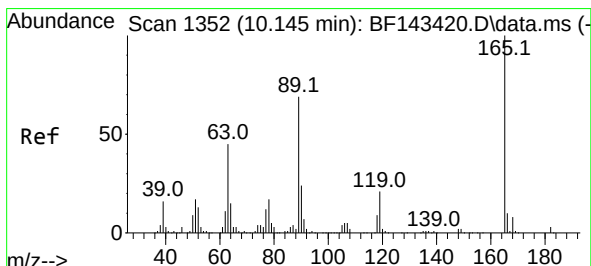
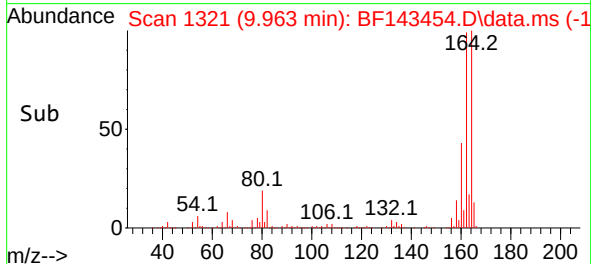
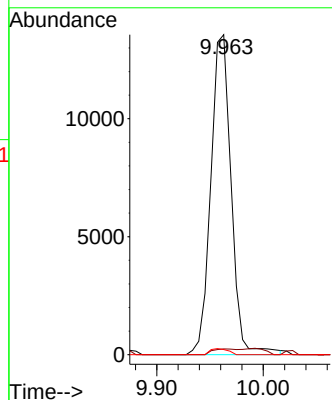
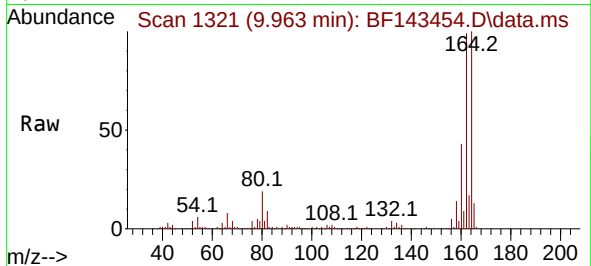




#51
2,6-Dinitrotoluene
Concen: 10.706 ng
RT: 9.963 min Scan# 11
Delta R.T. 0.223 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

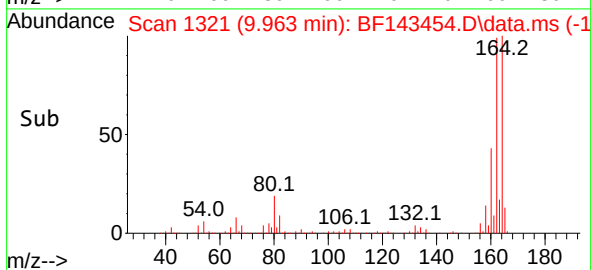
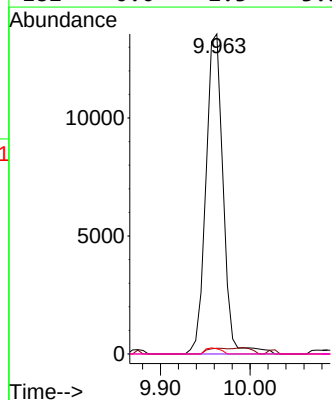
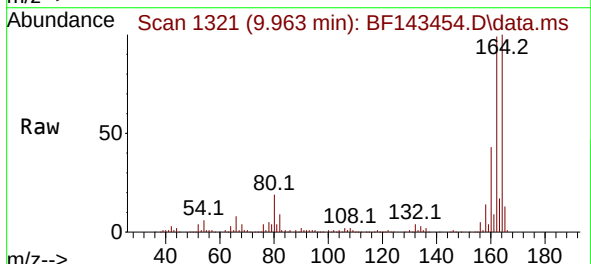
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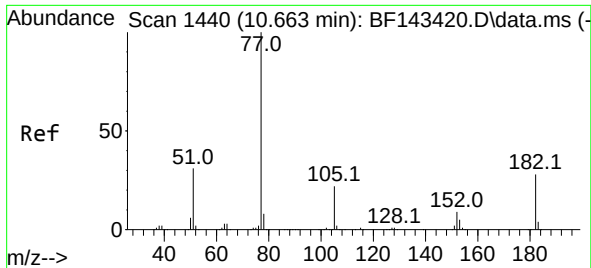
Tgt Ion:165 Resp: 18039
Ion Ratio Lower Upper
165 100
63 1.8 48.2 72.2#
89 1.6 44.2 66.2#



#57
2,4-Dinitrotoluene
Concen: 8.055 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.182 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:165 Resp: 18095
Ion Ratio Lower Upper
165 100
63 1.8 37.0 55.6#
89 1.6 55.4 83.0#
182 0.0 2.3 3.5#

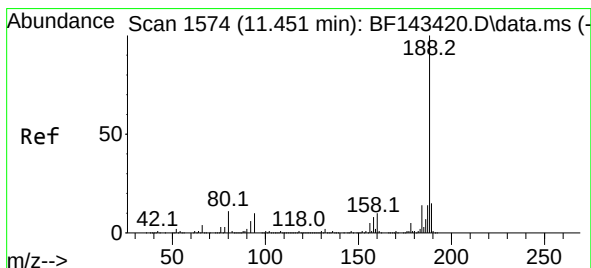
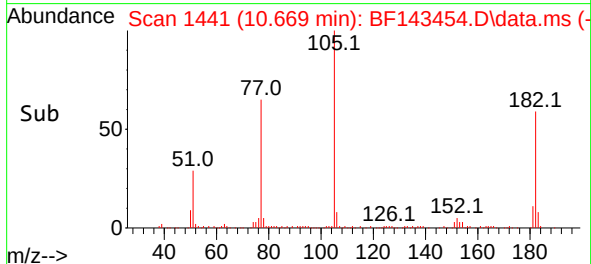
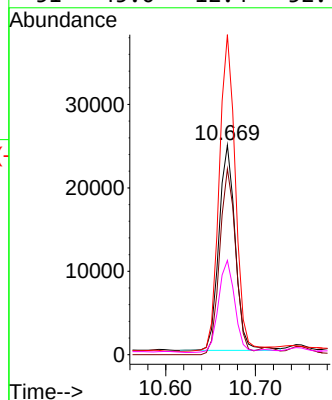
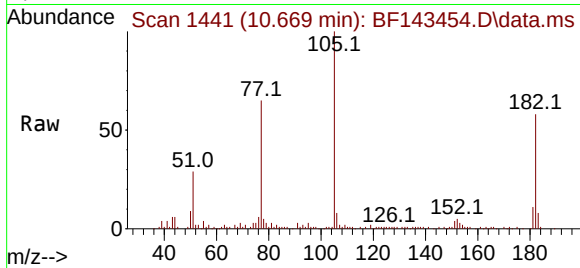




#63
Azobenzene
Concen: 3.916 ng
RT: 10.669 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

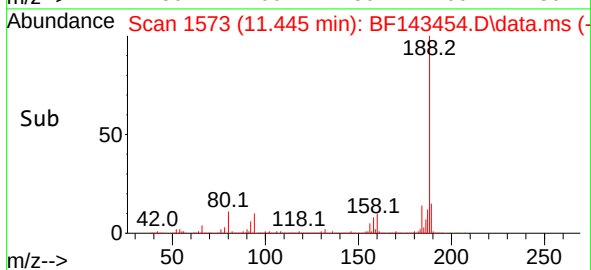
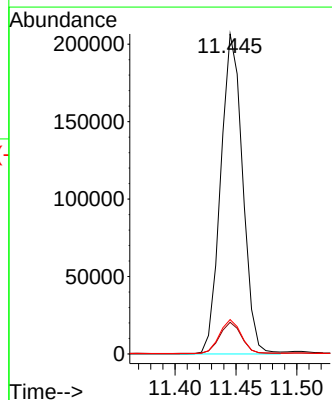
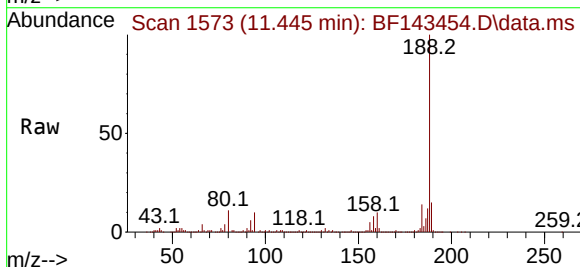
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

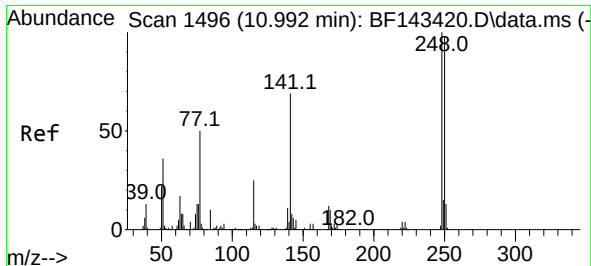
Tgt Ion:	77	Resp:	31264
Ion	Ratio	Lower	Upper
77	100		
182	88.7	7.4	47.4#
105	152.7	1.7	41.7#
51	45.0	12.4	52.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:	188	Resp:	259400
Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.0	12.0
80	10.8	8.6	12.8

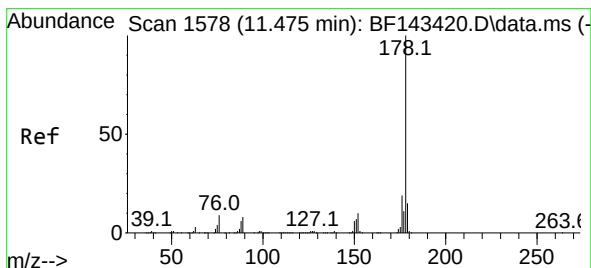
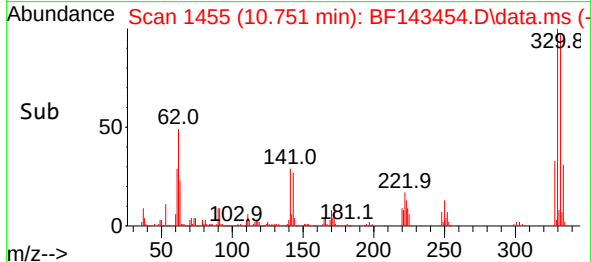
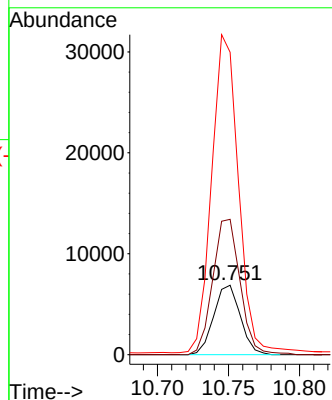
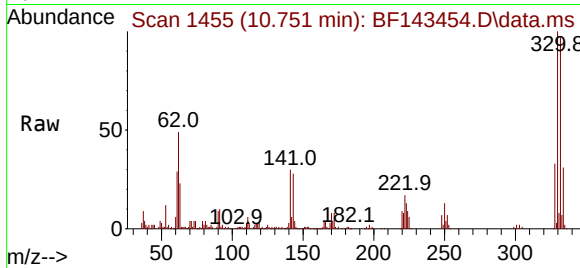




#67
4-Bromophenyl-phenylether
Concen: 2.923 ng
RT: 10.751 min Scan# 1496
Delta R.T. -0.241 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

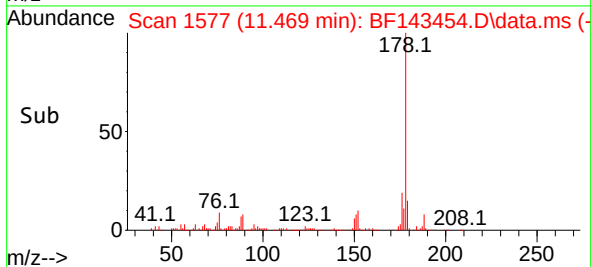
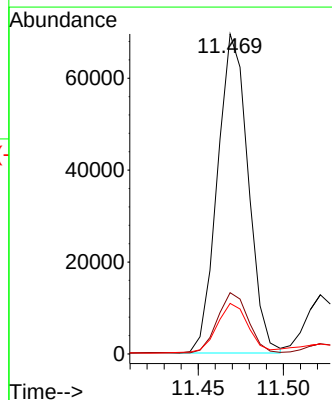
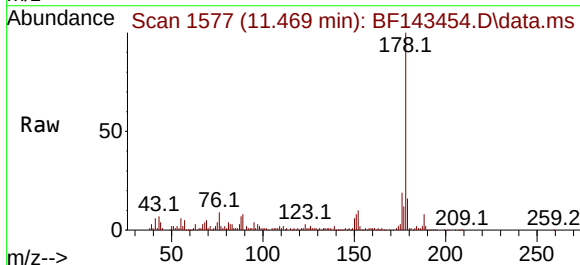
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

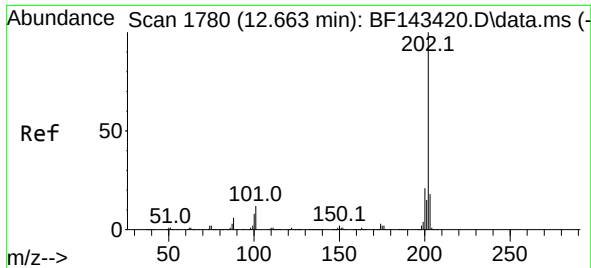
Tgt Ion:248 Resp: 8954
Ion Ratio Lower Upper
248 100
250 195.2 78.6 118.0#
141 435.9 54.9 82.3#



#71
Phenanthrene
Concen: 6.197 ng
RT: 11.469 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:178 Resp: 87046
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.8 12.3 18.5

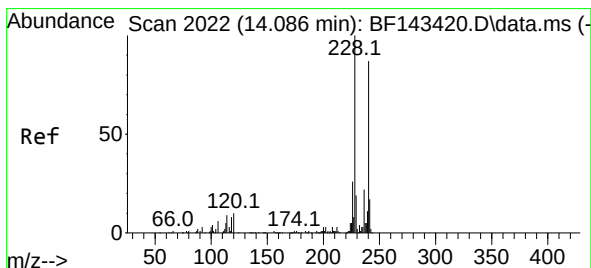
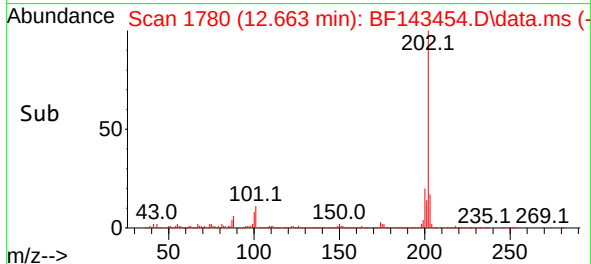
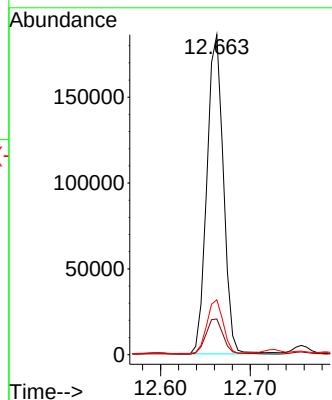
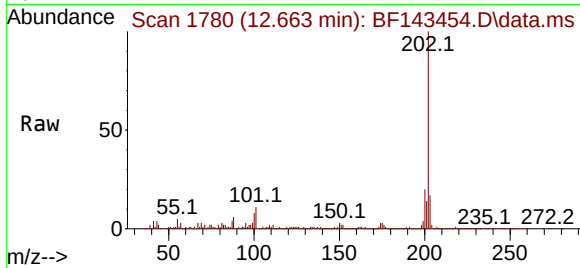




#75
Fluoranthene
Concen: 19.046 ng
RT: 12.663 min Scan# 1780
Delta R.T. -0.000 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

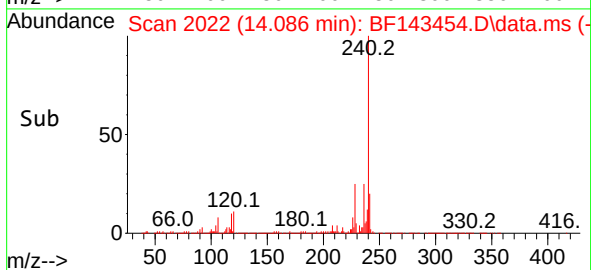
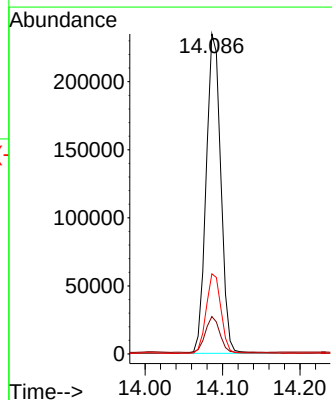
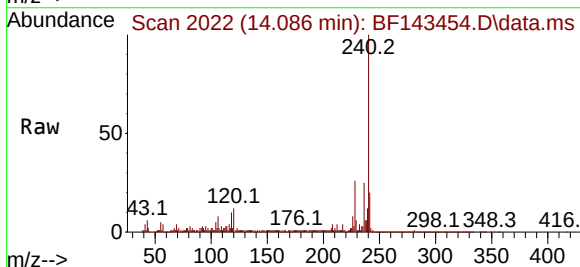
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

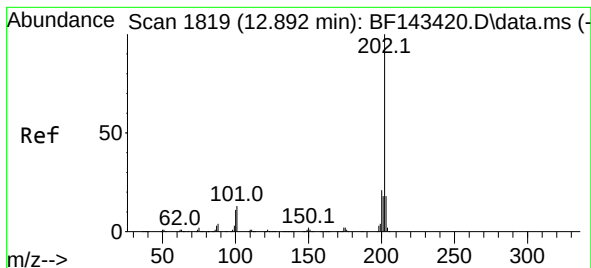
Tgt Ion:	202	Resp:	237722
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	31.5
203	17.2	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:	240	Resp:	307100
Ion Ratio	Lower	Upper	
240	100		
120	11.7	9.0	13.4
236	25.1	20.2	30.2





#78

Pyrene

Concen: 7.735 ng

RT: 12.892 min Scan# 1819

Delta R.T. -0.000 min

Lab File: BF143454.D

Acq: 19 Aug 2025 13:59

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP06-081425

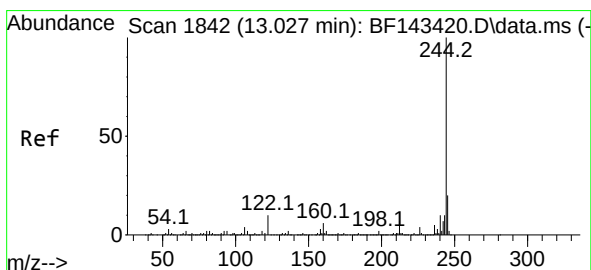
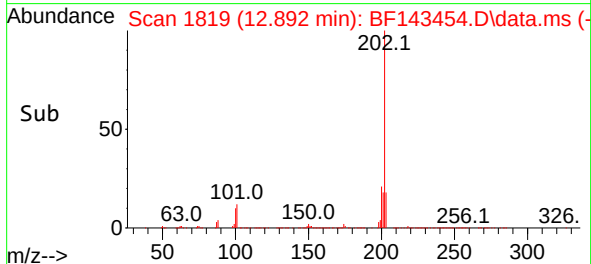
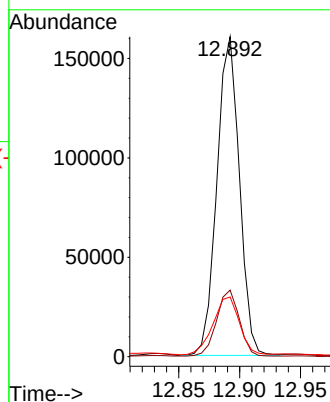
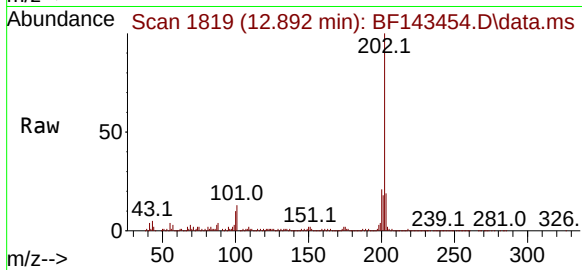
Tgt Ion:202 Resp: 206472

Ion Ratio Lower Upper

202 100

200 20.8 17.1 25.7

203 18.7 14.2 21.2



#79

Terphenyl-d14

Concen: 43.646 ng

RT: 13.027 min Scan# 1842

Delta R.T. -0.000 min

Lab File: BF143454.D

Acq: 19 Aug 2025 13:59

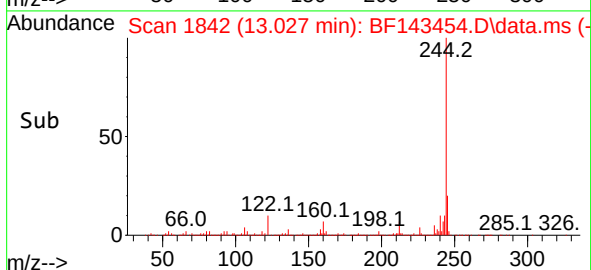
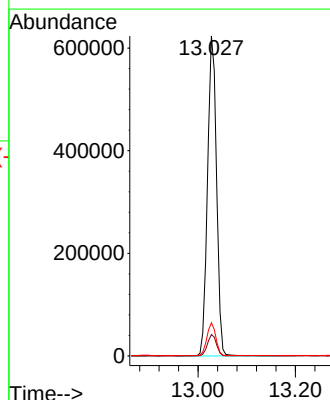
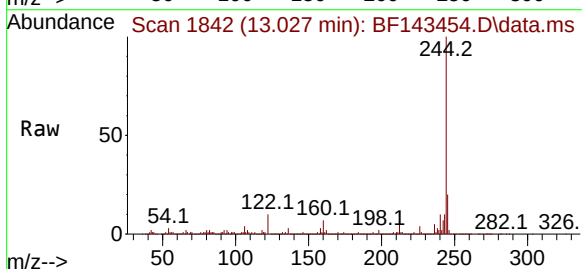
Tgt Ion:244 Resp: 797904

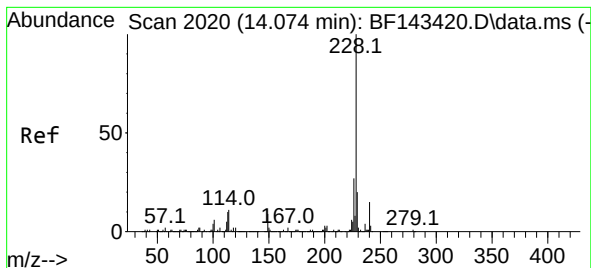
Ion Ratio Lower Upper

244 100

212 6.7 5.2 7.8

122 10.4 8.3 12.5





#81

Benzo(a)anthracene

Concen: 6.630 ng

RT: 14.080 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143454.D

Acq: 19 Aug 2025 13:59

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP06-081425

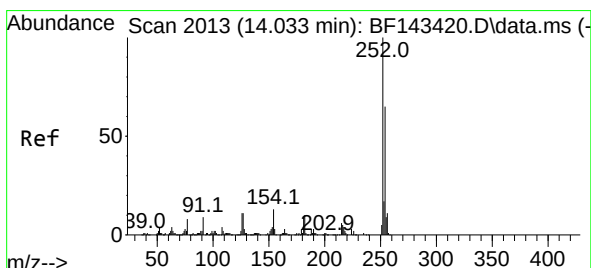
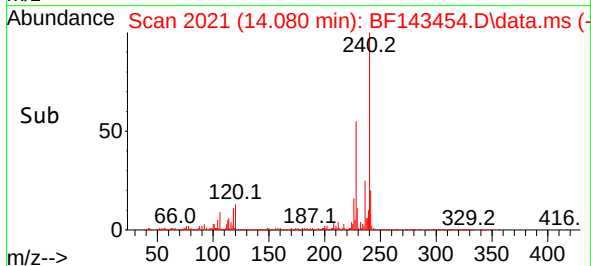
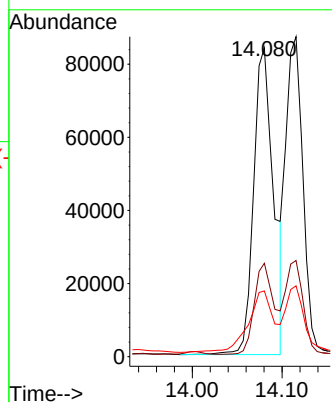
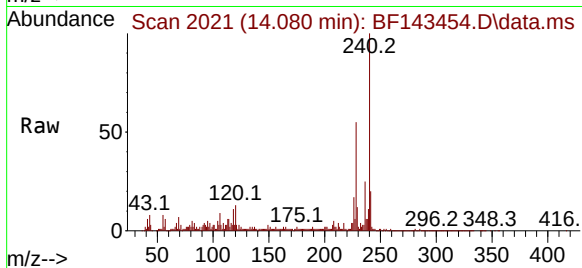
Tgt Ion:228 Resp: 129626

Ion Ratio Lower Upper

228 100

226 30.2 21.5 32.3

229 21.3 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 10.822 ng

RT: 14.004 min Scan# 2008

Delta R.T. -0.030 min

Lab File: BF143454.D

Acq: 19 Aug 2025 13:59

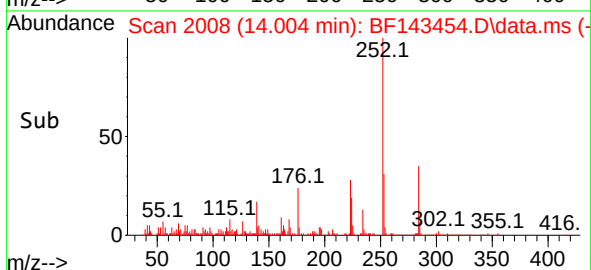
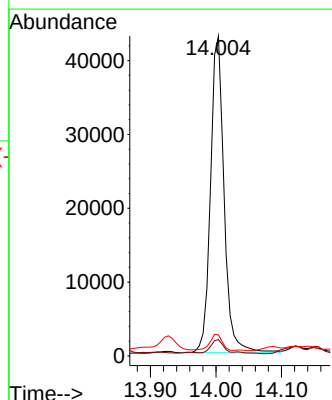
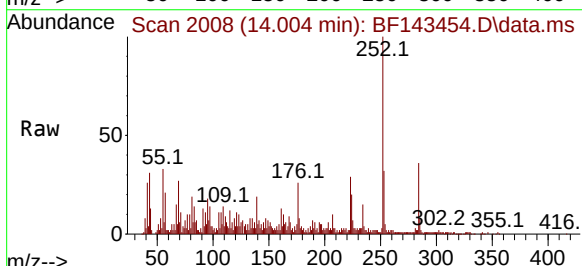
Tgt Ion:252 Resp: 61952

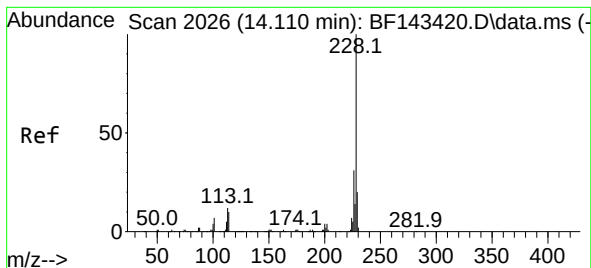
Ion Ratio Lower Upper

252 100

254 5.1 51.6 77.4#

126 6.6 8.8 13.2#





#83

Chrysene

Concen: 6.322 ng

RT: 14.116 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143454.D

Acq: 19 Aug 2025 13:59

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP06-081425

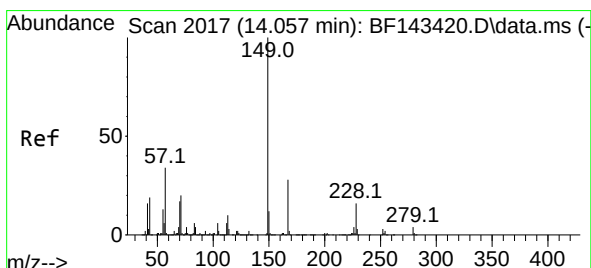
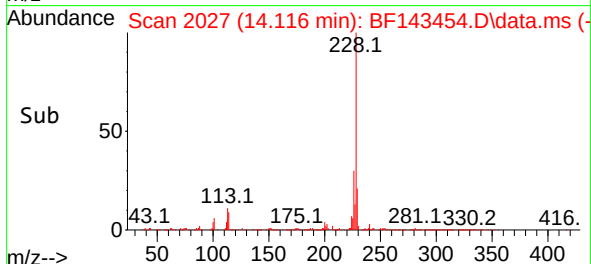
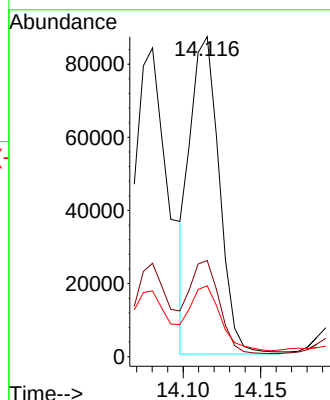
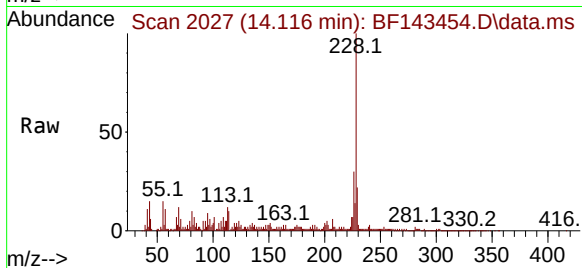
Tgt Ion:228 Resp: 114265

Ion Ratio Lower Upper

228 100

226 30.1 24.3 36.5

229 22.2 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.332 ng

RT: 14.057 min Scan# 2017

Delta R.T. -0.000 min

Lab File: BF143454.D

Acq: 19 Aug 2025 13:59

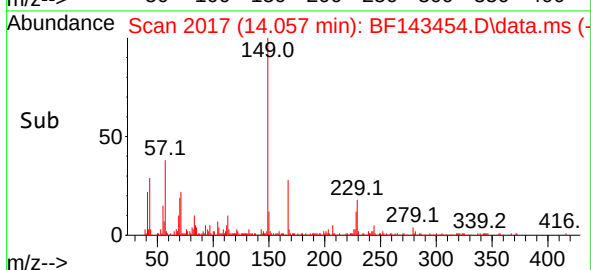
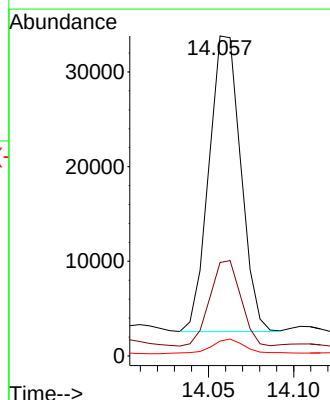
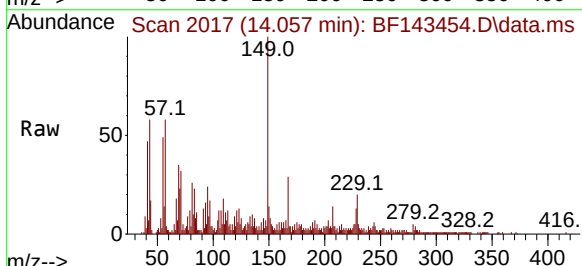
Tgt Ion:149 Resp: 40670

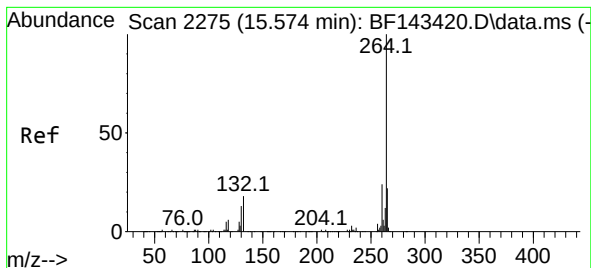
Ion Ratio Lower Upper

149 100

167 29.2 22.6 33.8

279 4.6 3.5 5.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.580 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143454.D

Acq: 19 Aug 2025 13:59

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP06-081425

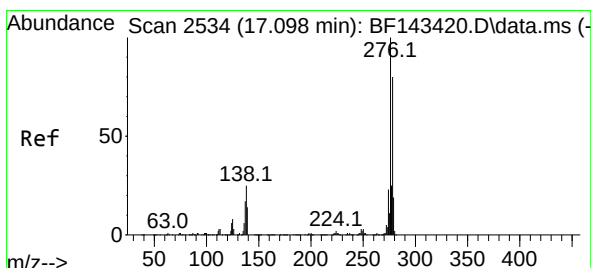
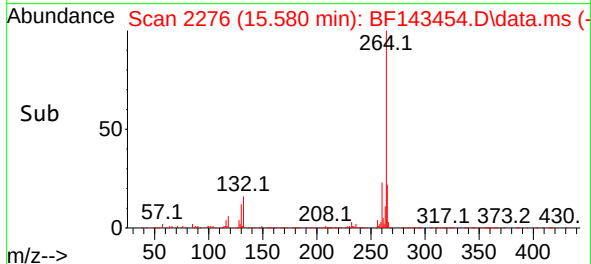
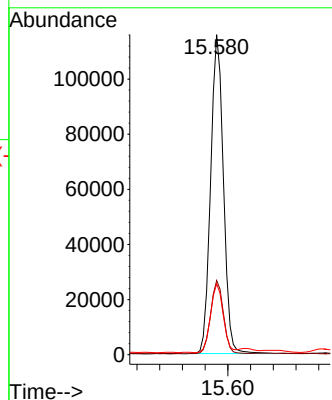
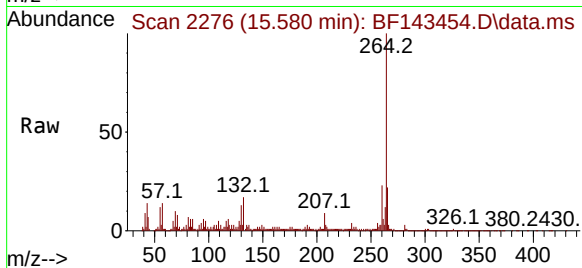
Tgt Ion:264 Resp: 179616

Ion Ratio Lower Upper

264 100

260 23.2 18.8 28.2

265 22.1 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.849 ng

RT: 17.098 min Scan# 2534

Delta R.T. -0.000 min

Lab File: BF143454.D

Acq: 19 Aug 2025 13:59

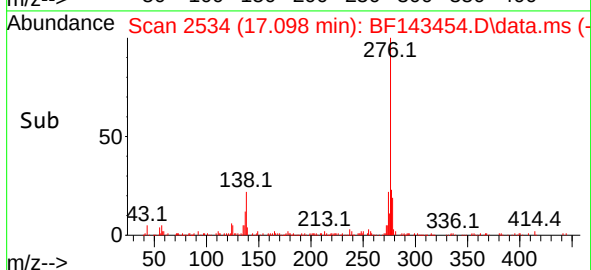
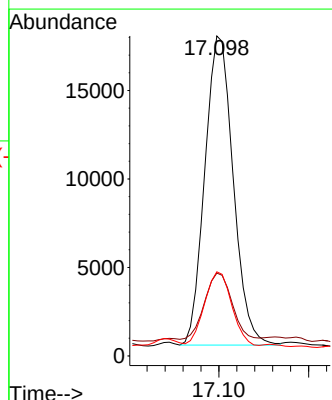
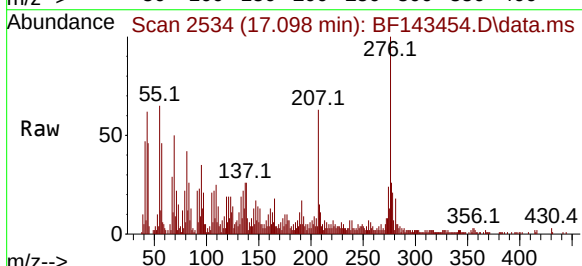
Tgt Ion:276 Resp: 38371

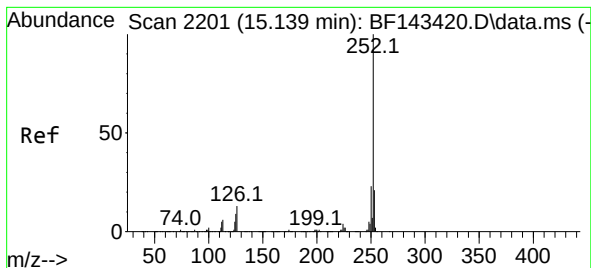
Ion Ratio Lower Upper

276 100

138 20.6 20.2 30.4

277 22.8 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 14.854 ng

RT: 15.145 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143454.D

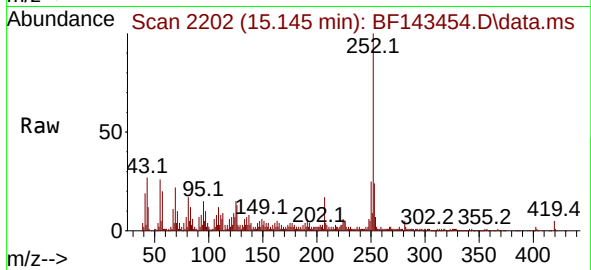
Acq: 19 Aug 2025 13:59

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP06-081425



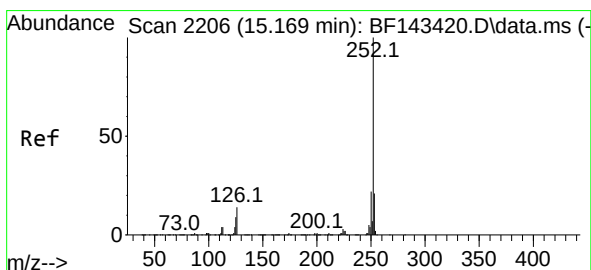
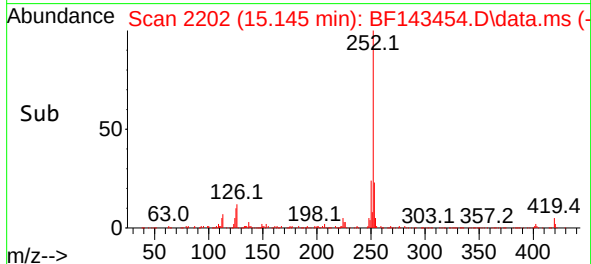
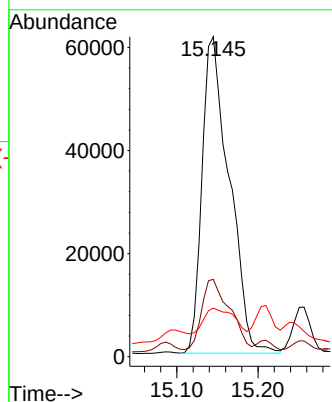
Tgt Ion:252 Resp: 142997

Ion Ratio Lower Upper

252 100

253 24.1 17.1 25.7

125 15.2 7.5 11.3#



#89

Benzo(k)fluoranthene

Concen: 15.060 ng

RT: 15.145 min Scan# 2202

Delta R.T. -0.024 min

Lab File: BF143454.D

Acq: 19 Aug 2025 13:59

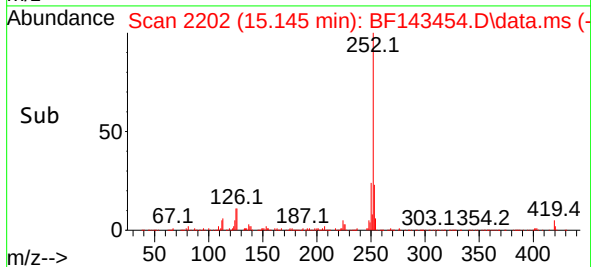
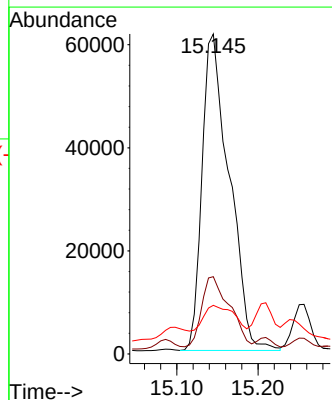
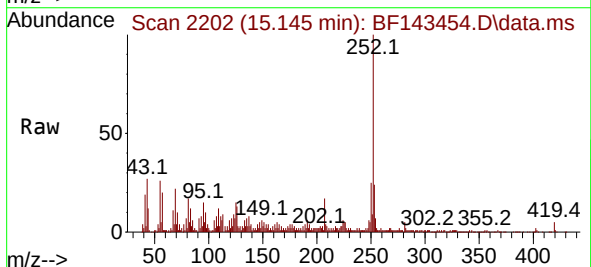
Tgt Ion:252 Resp: 142997

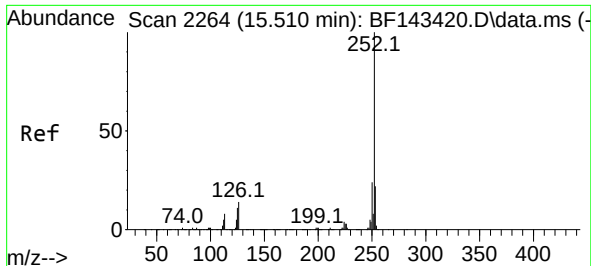
Ion Ratio Lower Upper

252 100

253 24.1 17.2 25.8

125 15.2 7.4 11.2#

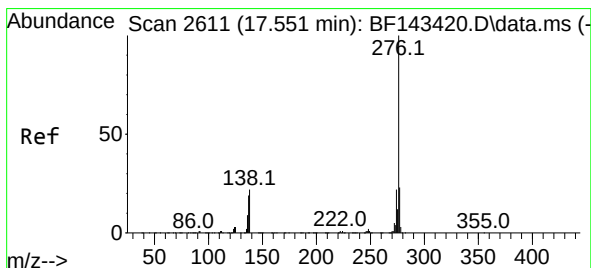
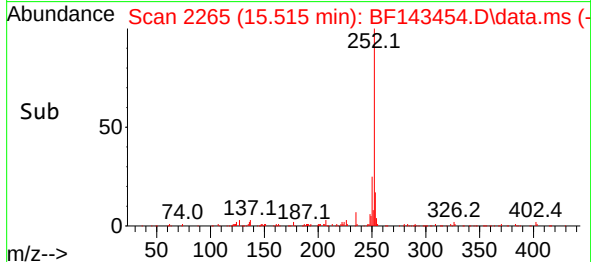
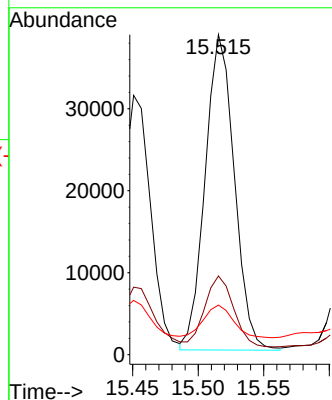
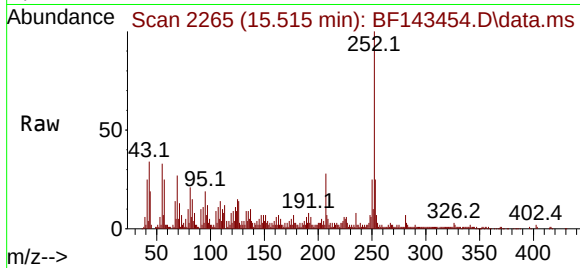




#90
Benzo(a)pyrene
Concen: 6.507 ng
RT: 15.515 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Tgt Ion:252 Resp: 59661
Ion Ratio Lower Upper
252 100
253 24.6 17.4 26.2
125 15.5 8.6 12.8#



#92
Benzo(g,h,i)perylene
Concen: 3.584 ng
RT: 17.562 min Scan# 2613
Delta R.T. 0.012 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:276 Resp: 38729
Ion Ratio Lower Upper
276 100
277 26.1 18.7 28.1
138 24.9 17.5 26.3

