

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
 Data File : BF143458.D
 Acq On : 19 Aug 2025 15:55
 Operator : RC/JU
 Sample : Q2879-15
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP10-081425

Quant Time: Aug 19 16:23:50 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)

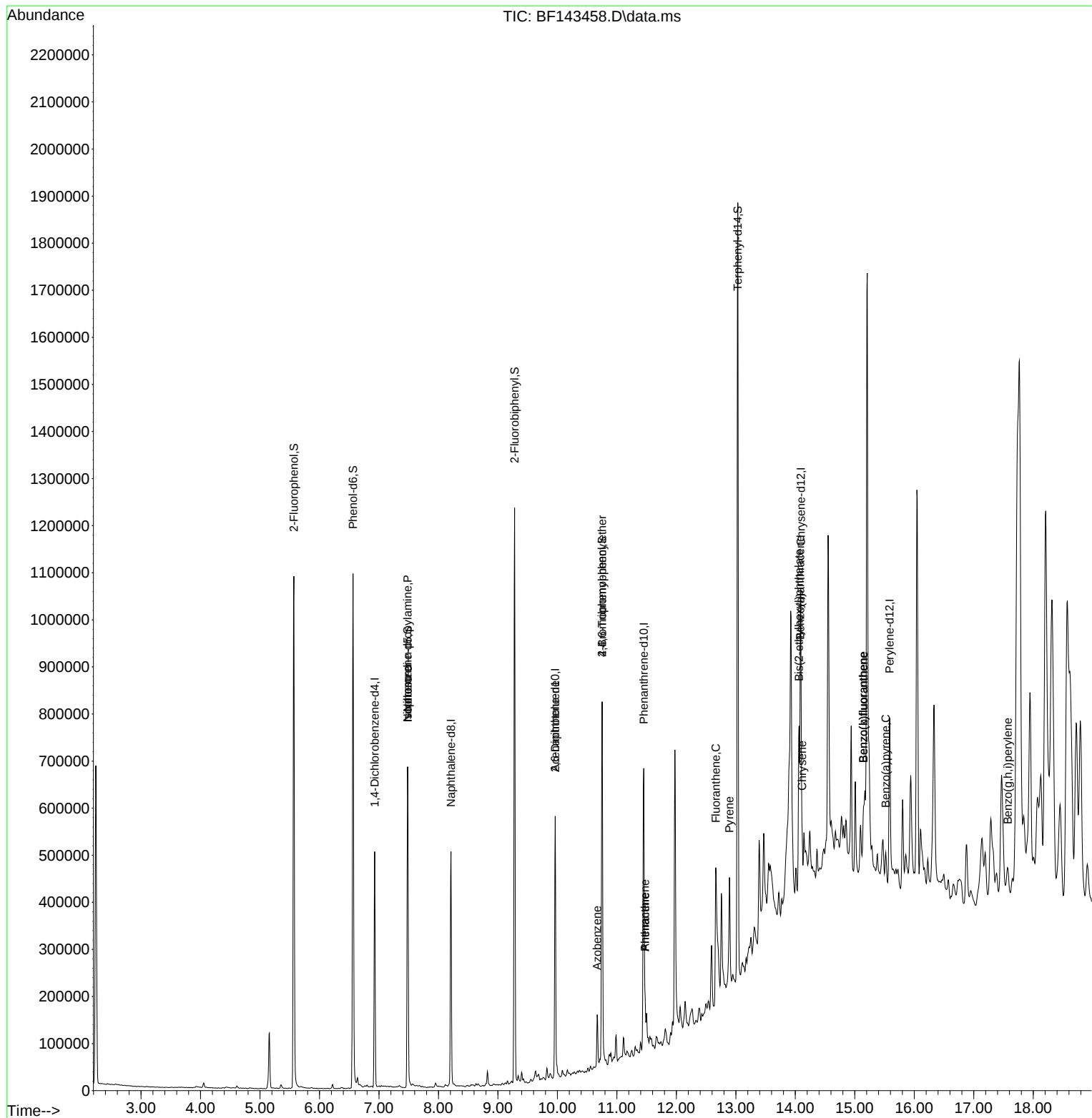
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	101637	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	308767	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	162569	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	305125	20.000	ng	0.00
76) Chrysene-d12	14.092	240	286997	20.000	ng	0.00
86) Perylene-d12	15.586	264	177608	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	407224	69.649	ng	0.01
7) Phenol-d6	6.563	99	489994	66.500	ng	0.00
23) Nitrobenzene-d5	7.481	82	292361	56.186	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	127379	88.031	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	528952	54.727	ng	0.00
79) Terphenyl-d14	13.033	244	823554	48.204	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	38696	8.483	ng	# 79
25) Isophorone	7.481	82	284841	28.601	ng	# 65
51) 2,6-Dinitrotoluene	9.963	165	20790	10.405	ng	# 24
63) Azobenzene	10.669	77	25533	2.697	ng	# 1
67) 4-Bromophenyl-phenylether	10.751	248	8641	2.398	ng	# 1
71) Phenanthrene	11.474	178	41412	2.506	ng	100
72) Anthracene	11.474	178	41412	2.481	ng	99
75) Fluoranthene	12.663	202	134815	9.183	ng	99
78) Pyrene	12.892	202	131647	5.277	ng	99
81) Benzo(a)anthracene	14.080	228	68028	3.723	ng	93
83) Chrysene	14.115	228	63079	3.734	ng	97
84) Bis(2-ethylhexyl)phtha...	14.063	149	131938	15.036	ng	99
88) Benzo(b)fluoranthene	15.145	252	79200	8.320	ng	# 86
89) Benzo(k)fluoranthene	15.145	252	79200	8.436	ng	# 86
90) Benzo(a)pyrene	15.521	252	33994	3.749	ng	# 85
92) Benzo(g,h,i)perylene	17.574	276	25950	2.429	ng	# 89

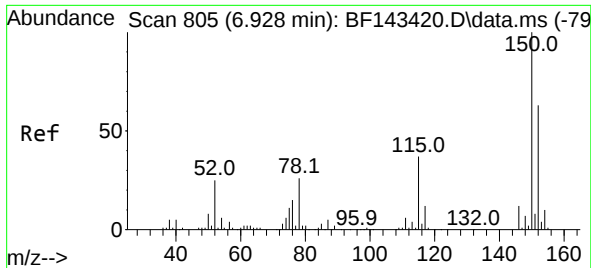
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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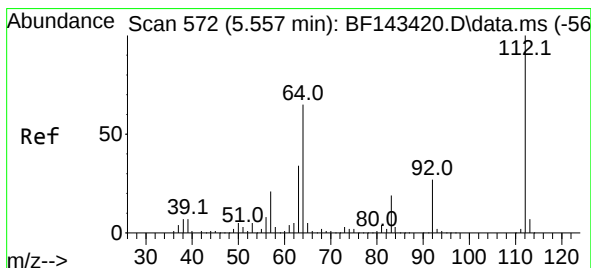
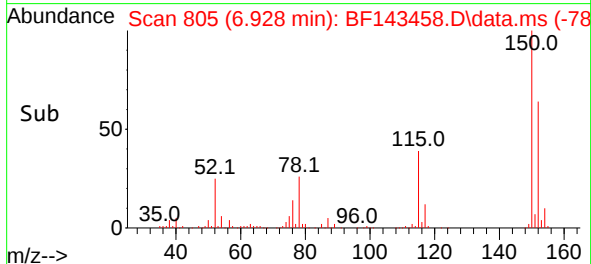
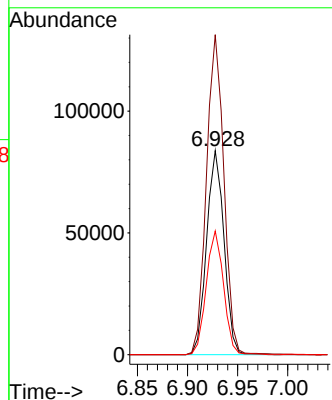
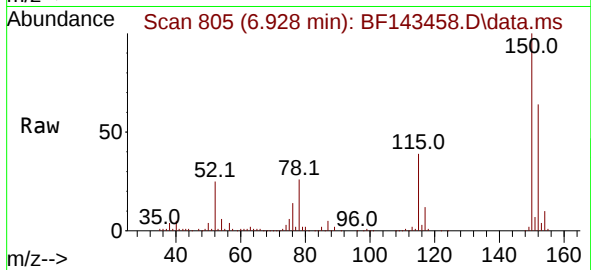




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

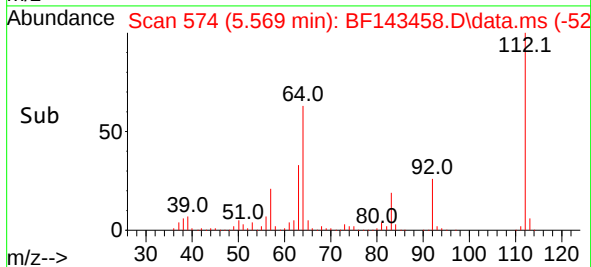
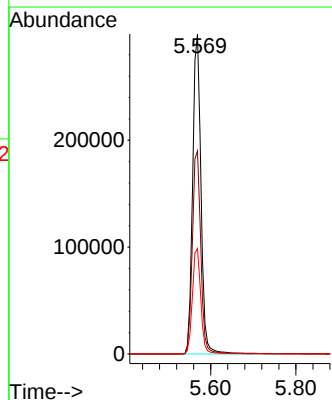
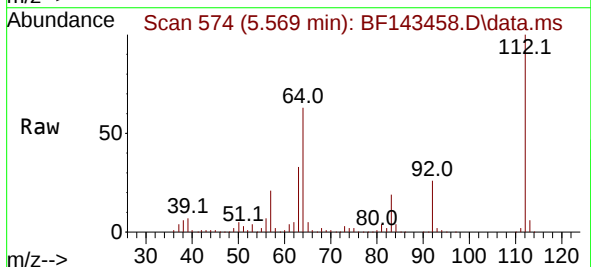
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

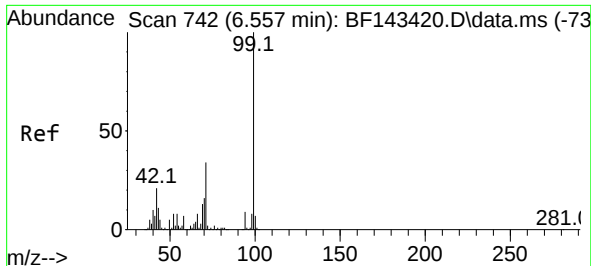
Tgt Ion:152 Resp: 101637
Ion Ratio Lower Upper
152 100
150 156.8 127.4 191.2
115 60.6 47.5 71.3



#5
2-Fluorophenol
Concen: 69.649 ng
RT: 5.569 min Scan# 574
Delta R.T. 0.012 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:112 Resp: 407224
Ion Ratio Lower Upper
112 100
64 63.5 52.2 78.2
63 32.9 27.0 40.6

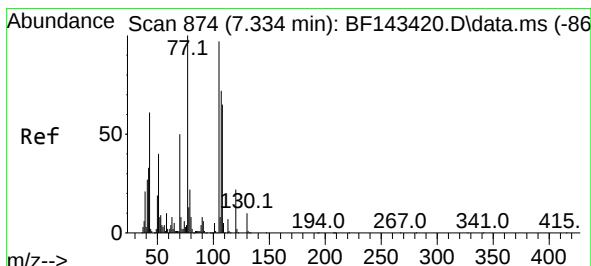
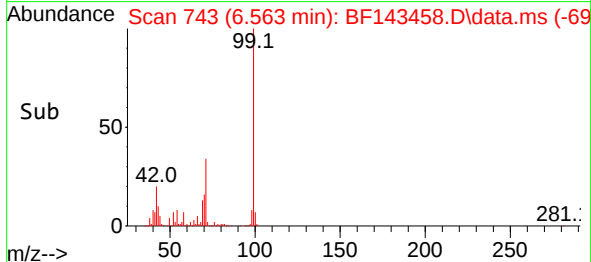
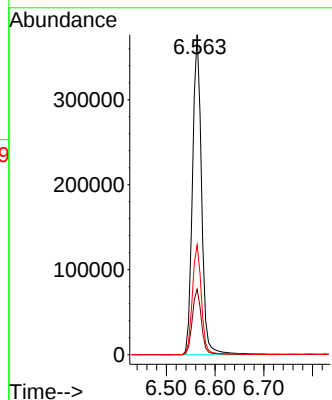
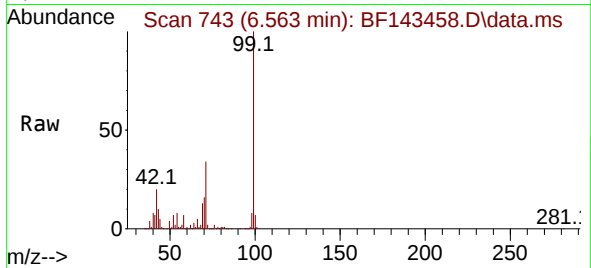




#7
Phenol-d6
Concen: 66.500 ng
RT: 6.563 min Scan# 742
Delta R.T. 0.006 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

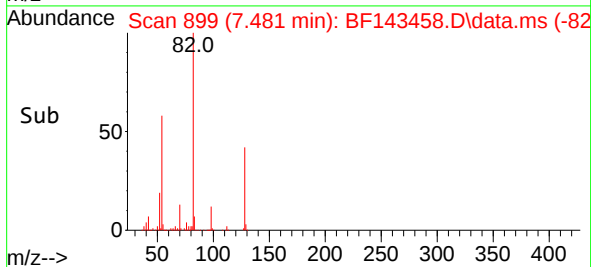
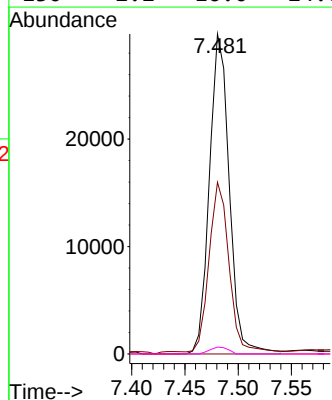
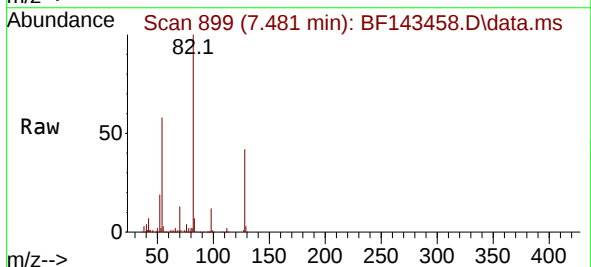
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

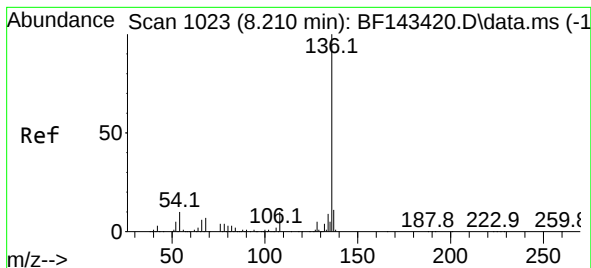
Tgt Ion: 99 Resp: 489994
Ion Ratio Lower Upper
99 100
42 20.4 17.0 25.6
71 34.3 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 8.483 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.147 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion: 70 Resp: 38696
Ion Ratio Lower Upper
70 100
42 53.6 52.5 78.7
101 0.0 7.9 11.9#
130 2.2 16.0 24.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.210 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143458.D

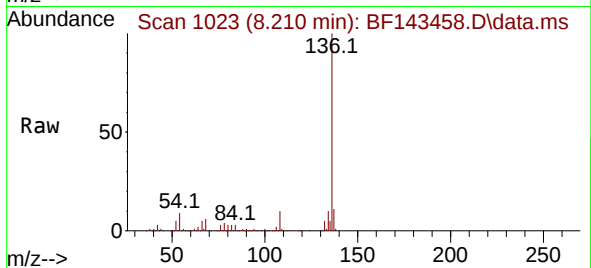
Acq: 19 Aug 2025 15:55

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP10-081425



Tgt Ion:136 Resp: 308767

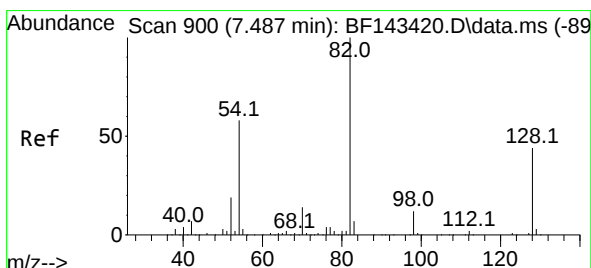
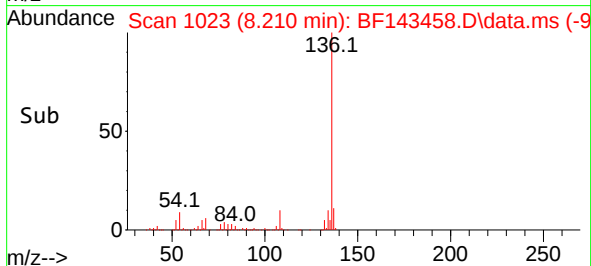
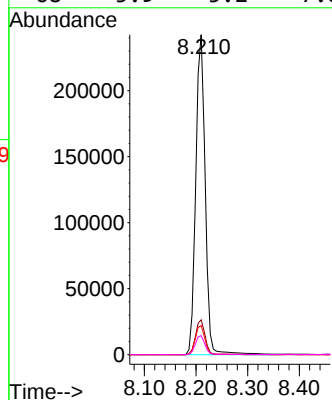
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 9.1 7.8 11.8

68 5.9 5.2 7.8



#23

Nitrobenzene-d5

Concen: 56.186 ng

RT: 7.481 min Scan# 899

Delta R.T. -0.006 min

Lab File: BF143458.D

Acq: 19 Aug 2025 15:55

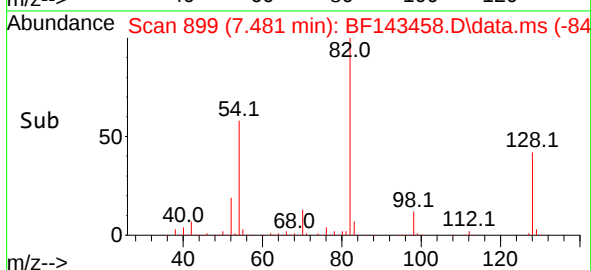
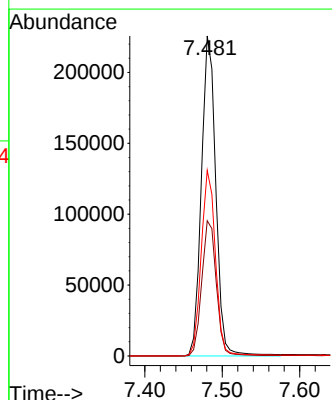
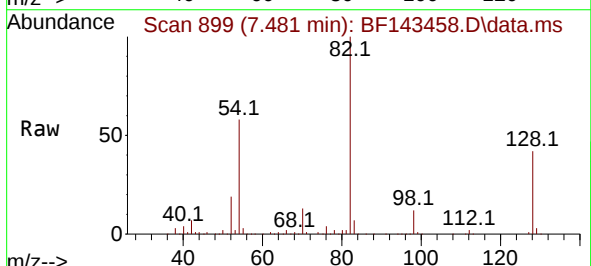
Tgt Ion: 82 Resp: 292361

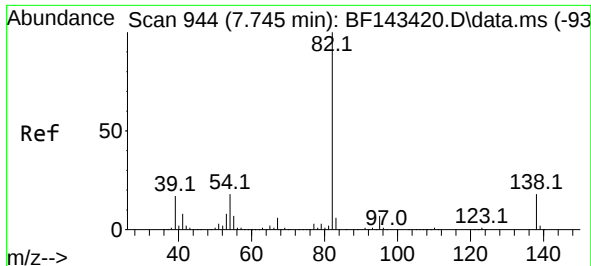
Ion Ratio Lower Upper

82 100

128 42.3 34.6 52.0

54 58.0 46.0 69.0

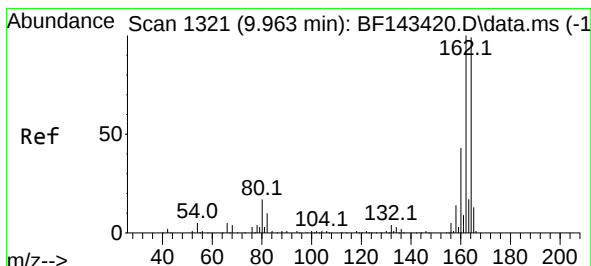
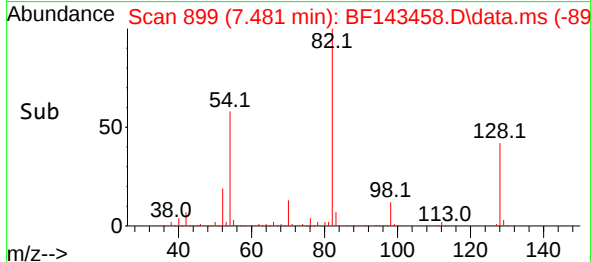
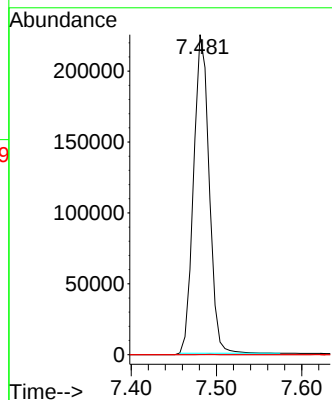
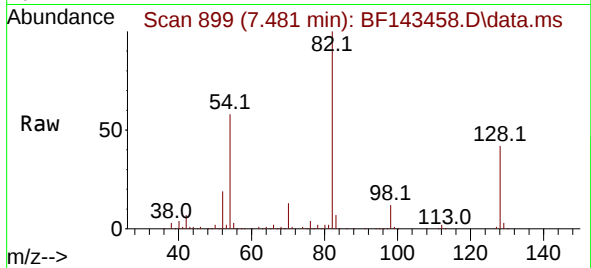




#25
Isophorone
Concen: 28.601 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.265 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

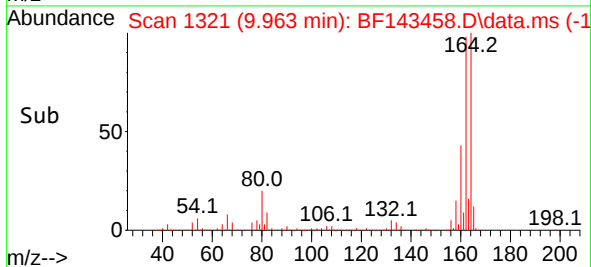
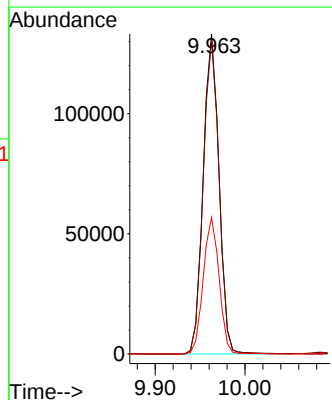
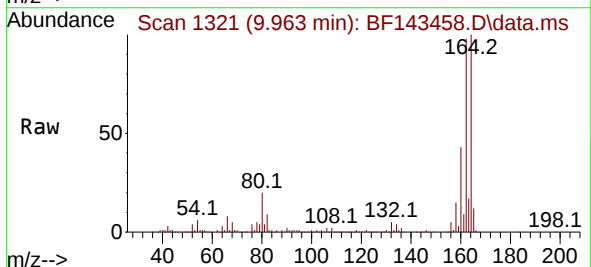
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

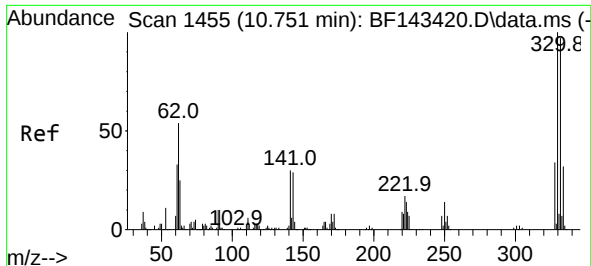
Tgt Ion: 82 Resp: 284841
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 14.3 21.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:164 Resp: 162569
Ion Ratio Lower Upper
164 100
162 98.2 80.6 121.0
160 42.6 34.6 51.8

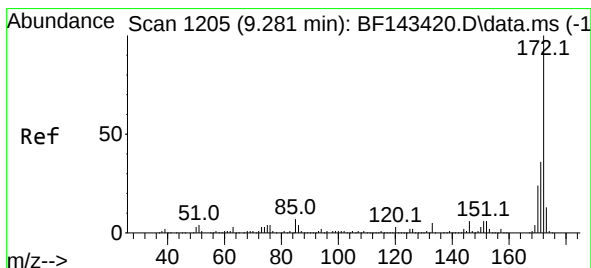
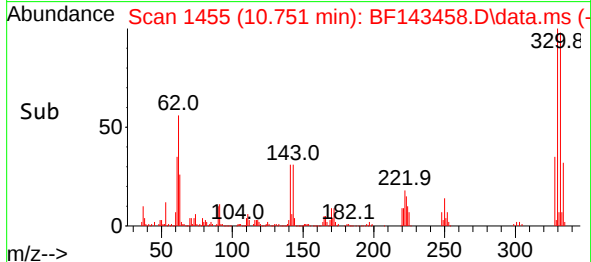
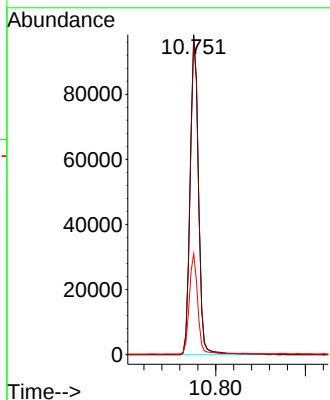
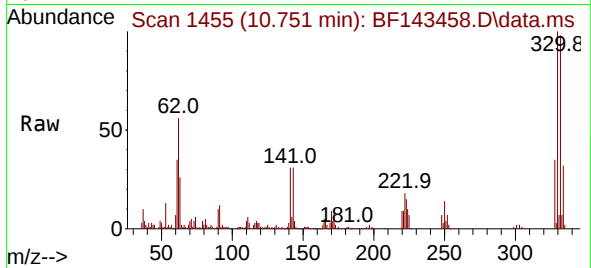




#42
 2,4,6-Tribromophenol
 Concen: 88.031 ng
 RT: 10.751 min Scan# 1455
 Delta R.T. -0.000 min
 Lab File: BF143458.D
 Acq: 19 Aug 2025 15:55

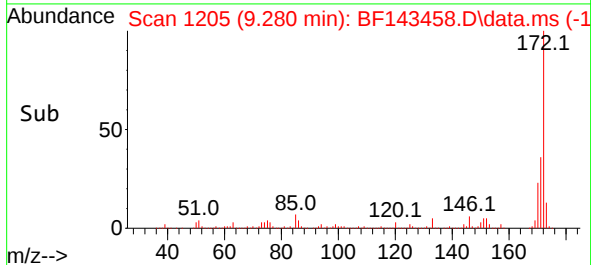
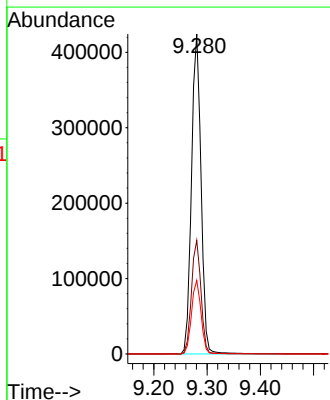
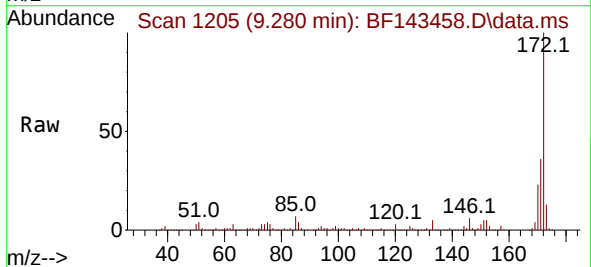
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 ClientSampleId :
 OU4-TS-GRILLO-TSCP10-081425

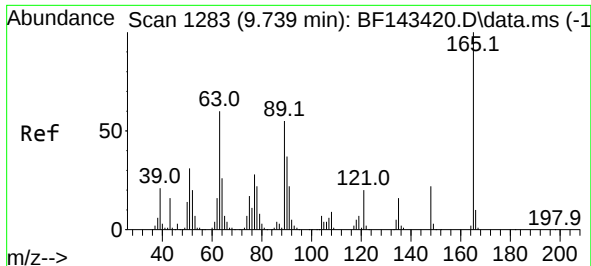
Tgt Ion:330 Resp: 127379
 Ion Ratio Lower Upper
 330 100
 332 98.2 77.4 116.2
 141 30.9 24.1 36.1



#45
 2-Fluorobiphenyl
 Concen: 54.727 ng
 RT: 9.280 min Scan# 1205
 Delta R.T. -0.000 min
 Lab File: BF143458.D
 Acq: 19 Aug 2025 15:55

Tgt Ion:172 Resp: 528952
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.7 43.1
 170 23.0 19.0 28.6

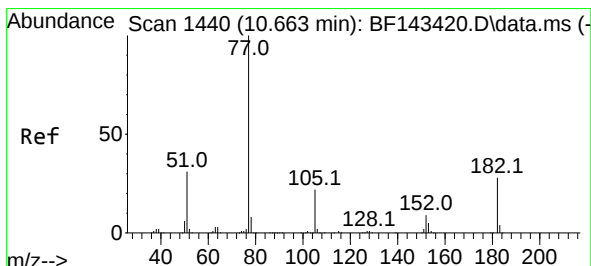
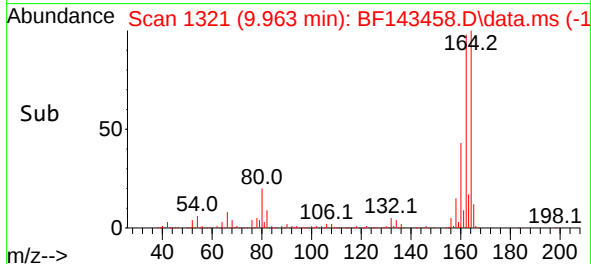
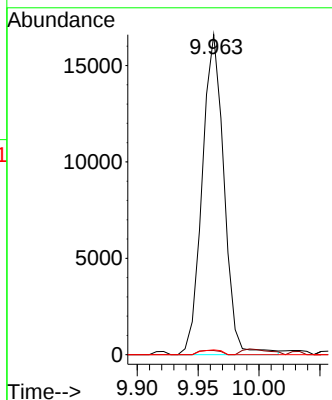
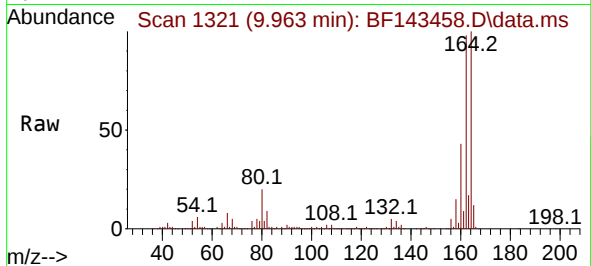




#51
2,6-Dinitrotoluene
Concen: 10.405 ng
RT: 9.963 min Scan# 11
Delta R.T. 0.223 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

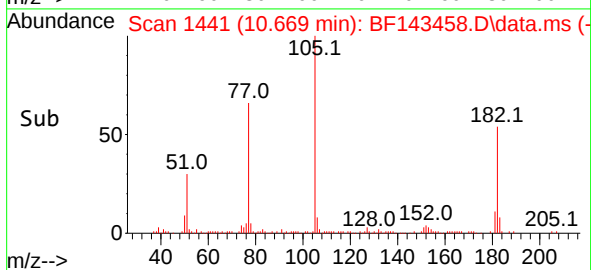
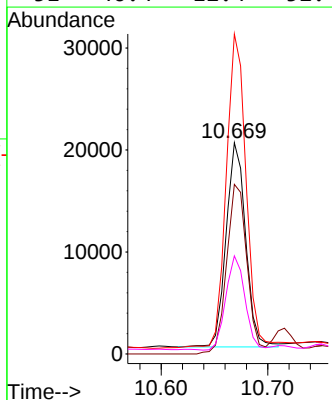
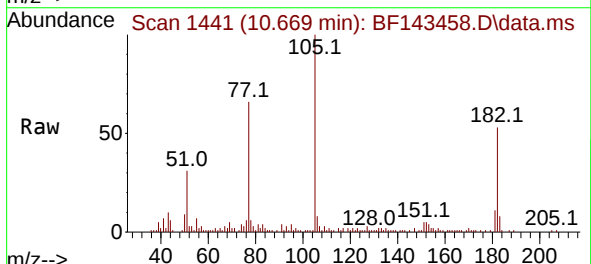
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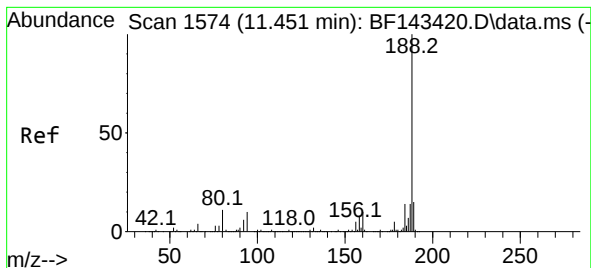
Tgt Ion:165 Resp: 20790
Ion Ratio Lower Upper
165 100
63 1.3 48.2 72.2#
89 1.5 44.2 66.2#



#63
Azobenzene
Concen: 2.697 ng
RT: 10.669 min Scan# 1441
Delta R.T. 0.006 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion: 77 Resp: 25533
Ion Ratio Lower Upper
77 100
182 80.3 7.4 47.4#
105 151.5 1.7 41.7#
51 46.4 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: BF143458.D

Acq: 19 Aug 2025 15:55

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP10-081425

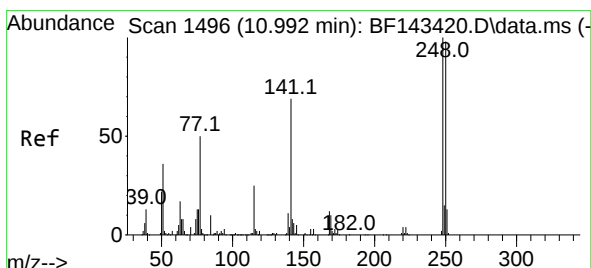
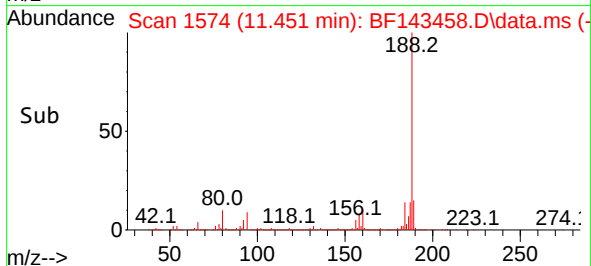
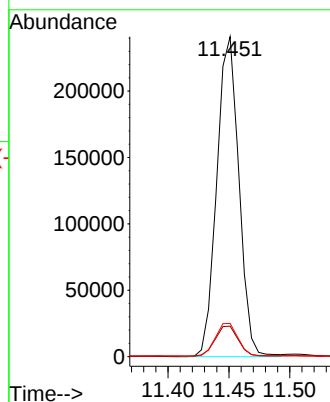
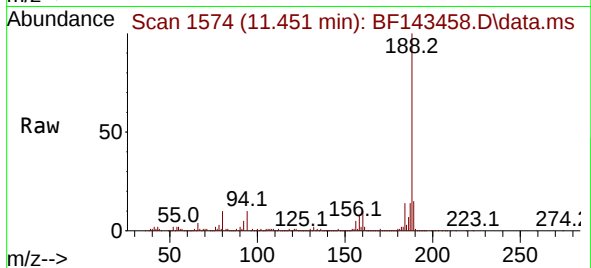
Tgt Ion:188 Resp: 305125

Ion Ratio Lower Upper

188 100

94 9.5 8.0 12.0

80 10.4 8.6 12.8



#67

4-Bromophenyl-phenylether

Concen: 2.398 ng

RT: 10.751 min Scan# 1455

Delta R.T. -0.241 min

Lab File: BF143458.D

Acq: 19 Aug 2025 15:55

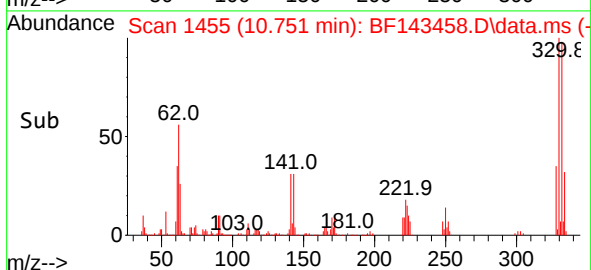
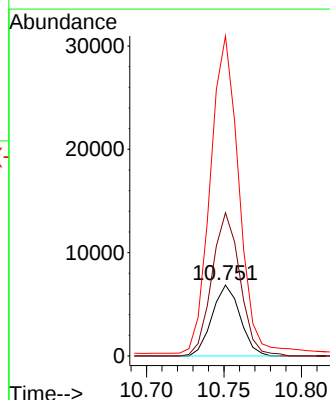
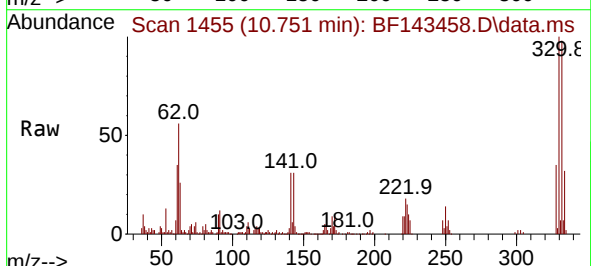
Tgt Ion:248 Resp: 8641

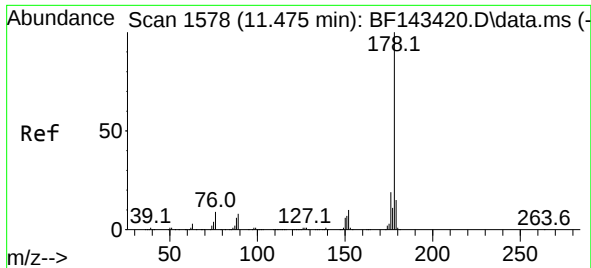
Ion Ratio Lower Upper

248 100

250 201.8 78.6 118.0#

141 451.1 54.9 82.3#

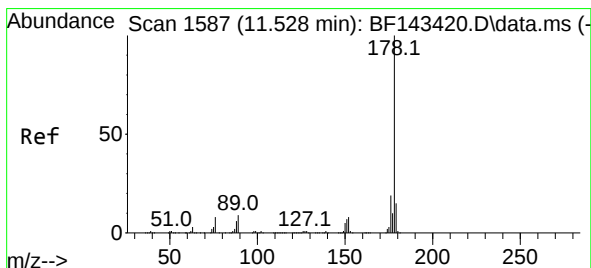
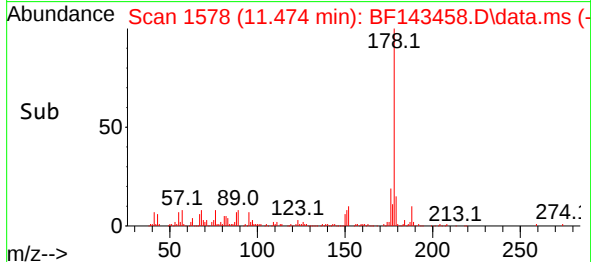
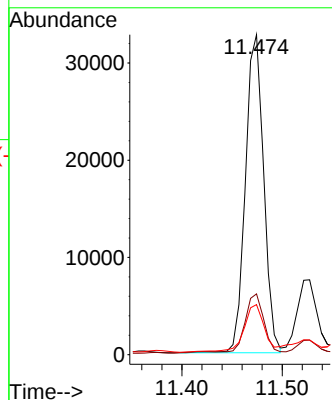
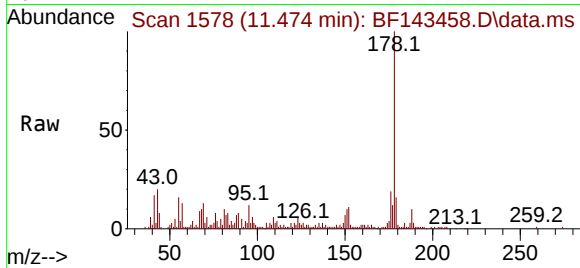




#71
Phenanthrene
Concen: 2.506 ng
RT: 11.474 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

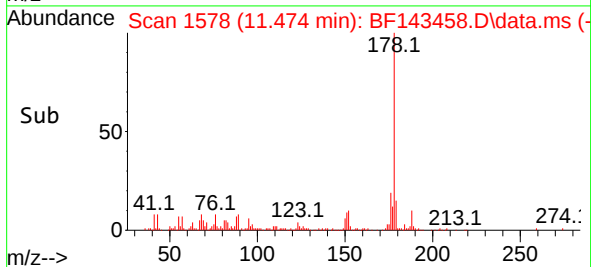
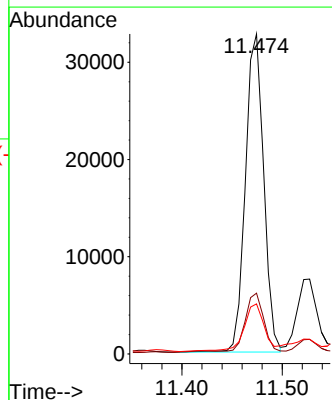
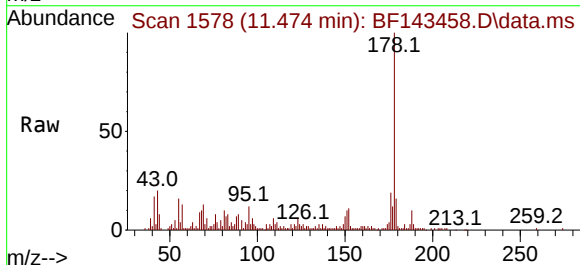
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

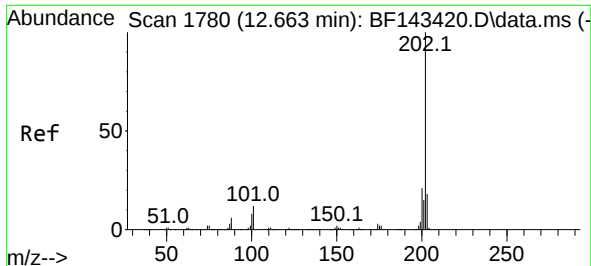
Tgt Ion:178 Resp: 41412
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.6 12.3 18.5



#72
Anthracene
Concen: 2.481 ng
RT: 11.474 min Scan# 1578
Delta R.T. -0.053 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:178 Resp: 41412
Ion Ratio Lower Upper
178 100
176 19.0 14.8 22.2
179 15.6 12.2 18.4

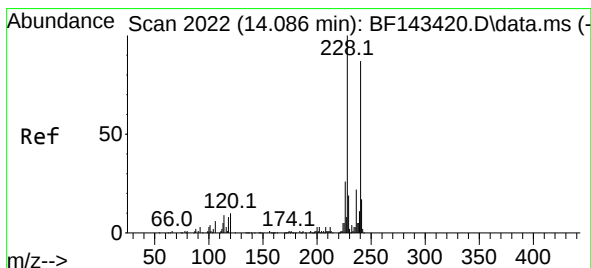
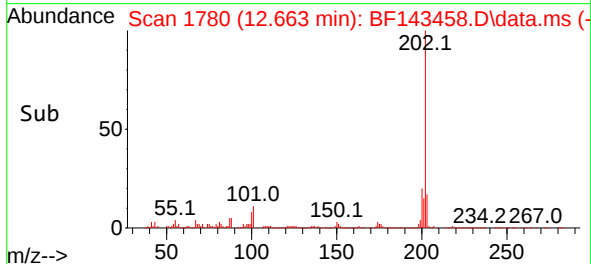
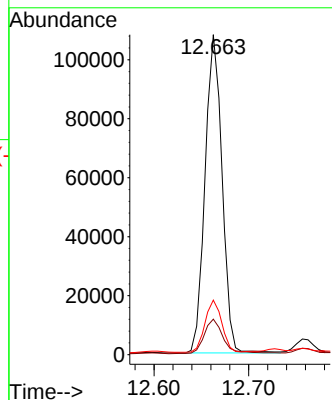
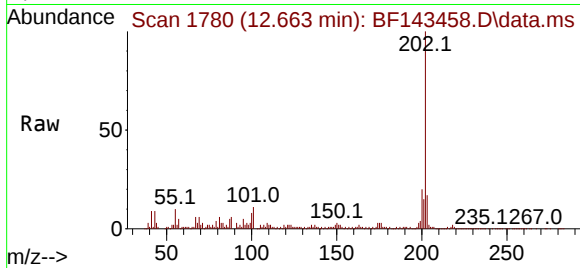




#75
Fluoranthene
Concen: 9.183 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

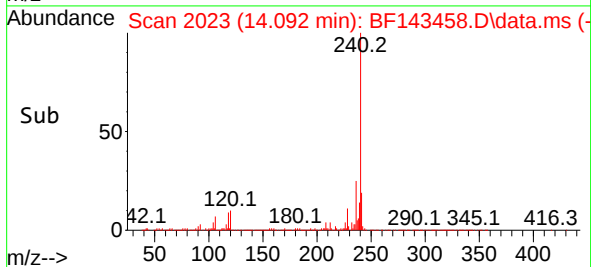
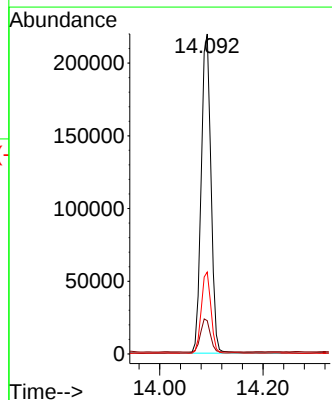
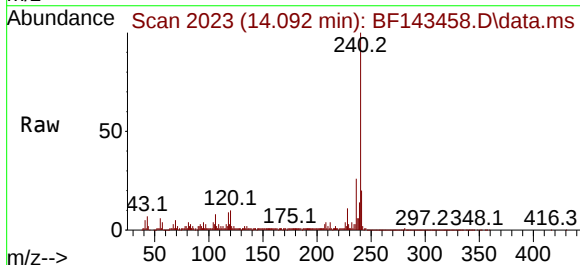
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

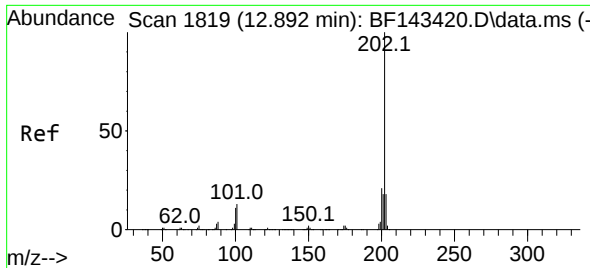
Tgt Ion:202 Resp: 134815
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.5
203 17.0 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.006 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:240 Resp: 286997
Ion Ratio Lower Upper
240 100
120 10.4 9.0 13.4
236 25.6 20.2 30.2

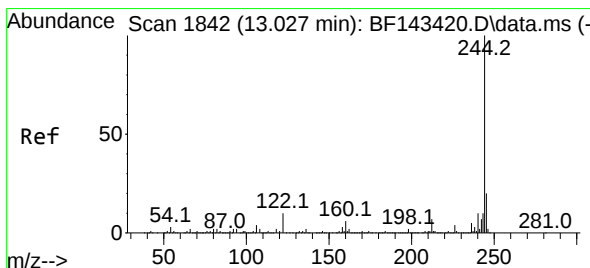
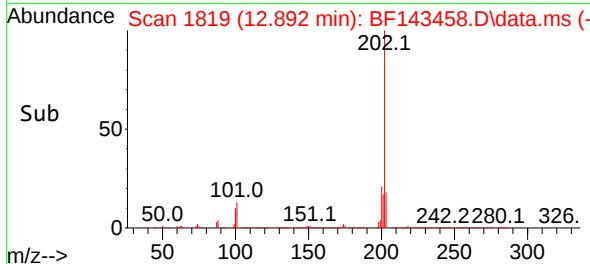
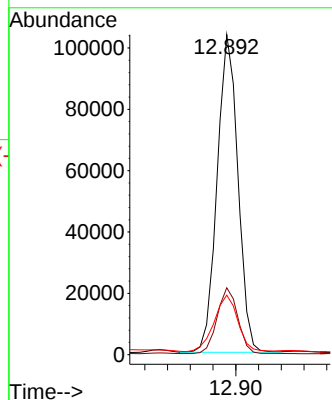
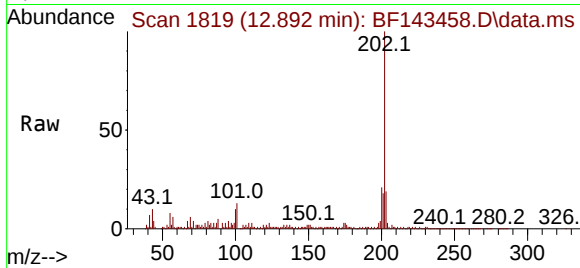




#78
 Pyrene
 Concen: 5.277 ng
 RT: 12.892 min Scan# 1819
 Delta R.T. -0.000 min
 Lab File: BF143458.D
 Acq: 19 Aug 2025 15:55

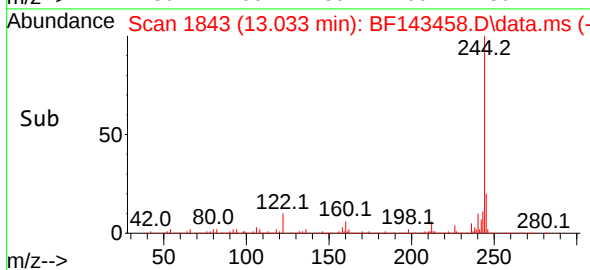
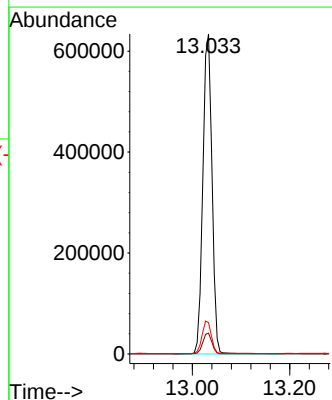
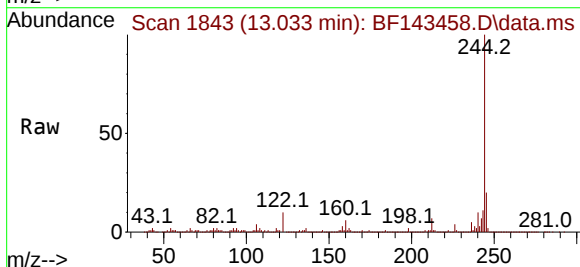
Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP10-081425

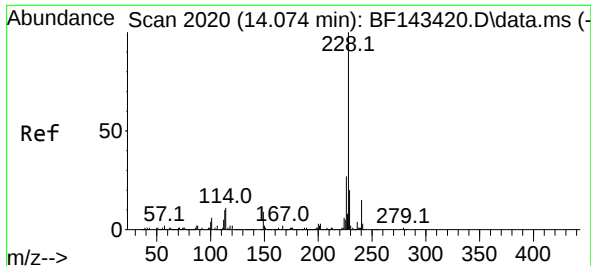
Tgt Ion:	202	Resp:	131647
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.1	25.7
203	18.6	14.2	21.2



#79
 Terphenyl-d14
 Concen: 48.204 ng
 RT: 13.033 min Scan# 1843
 Delta R.T. 0.006 min
 Lab File: BF143458.D
 Acq: 19 Aug 2025 15:55

Tgt Ion:	244	Resp:	823554
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.2	7.8
122	9.8	8.3	12.5

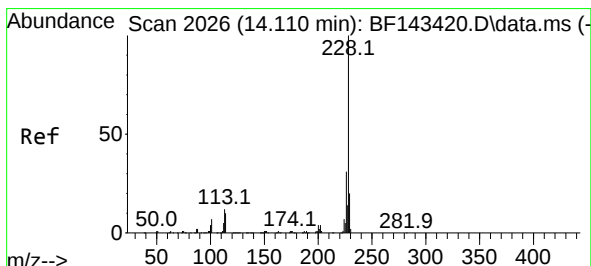
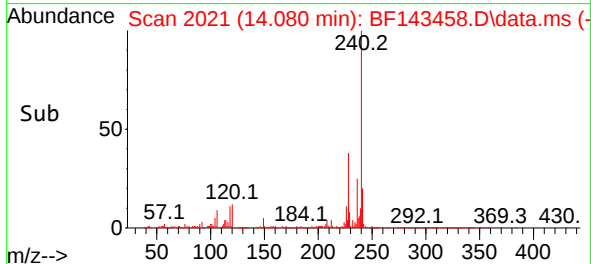
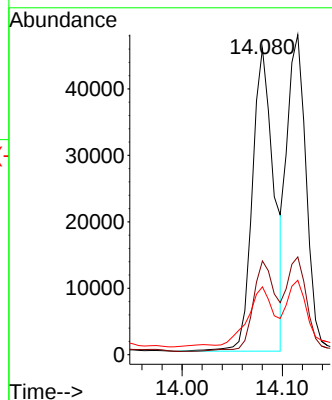
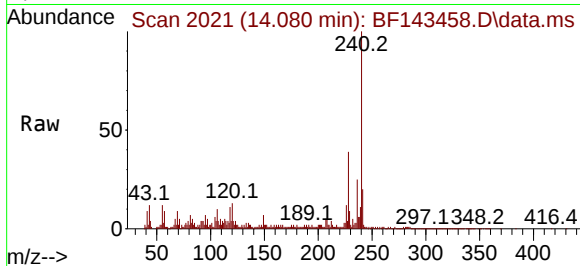




#81
Benzo(a)anthracene
Concen: 3.723 ng
RT: 14.080 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

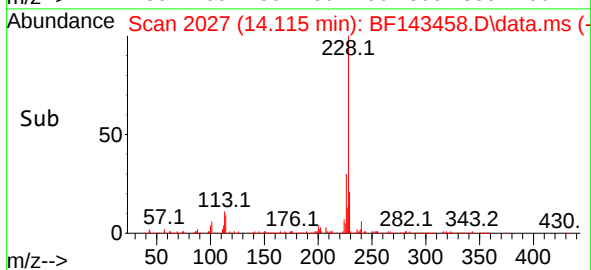
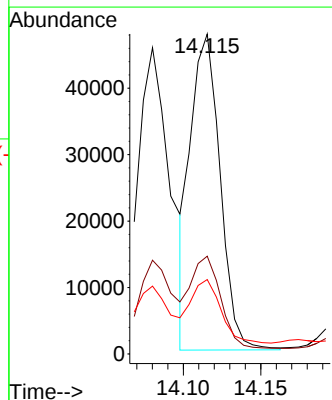
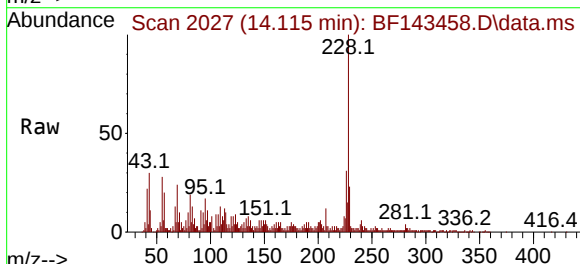
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

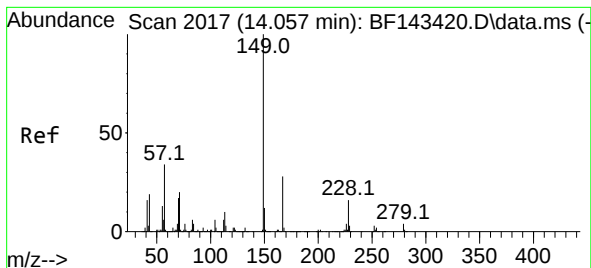
Tgt Ion:228 Resp: 68028
Ion Ratio Lower Upper
228 100
226 30.6 21.5 32.3
229 22.2 15.7 23.5



#83
Chrysene
Concen: 3.734 ng
RT: 14.115 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:228 Resp: 63079
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 23.2 16.1 24.1

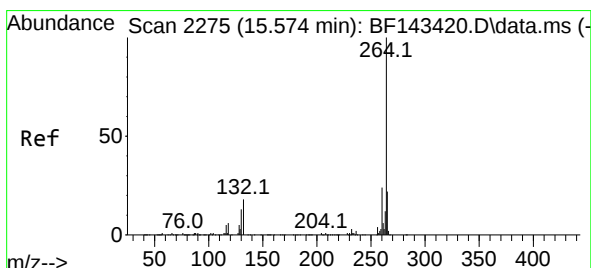
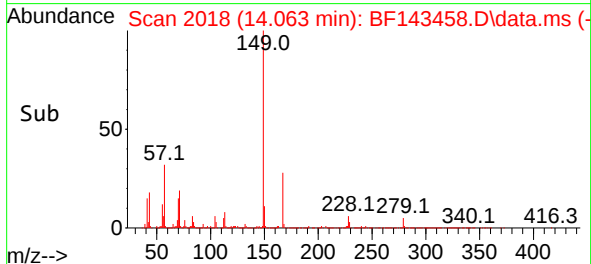
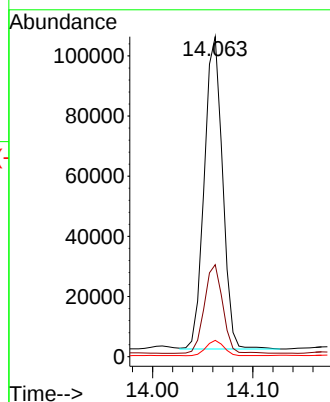
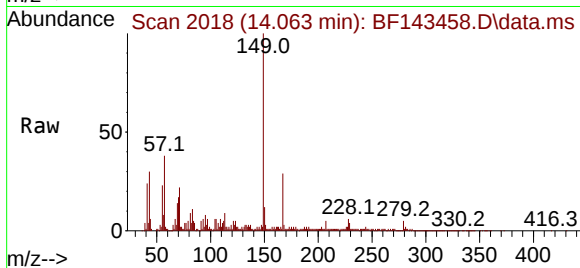




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 15.036 ng
 RT: 14.063 min Scan# 2017
 Delta R.T. 0.006 min
 Lab File: BF143458.D
 Acq: 19 Aug 2025 15:55

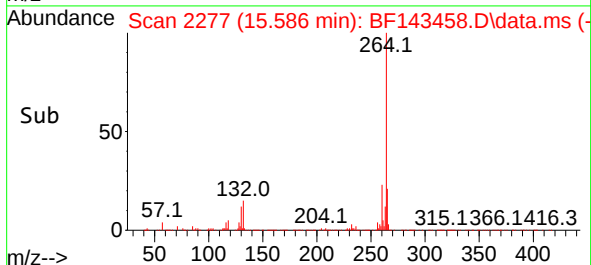
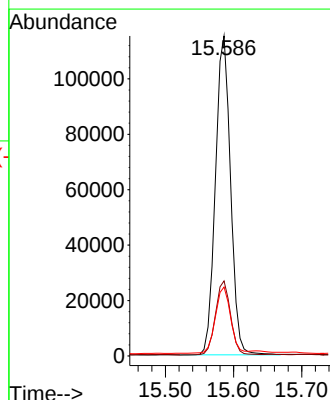
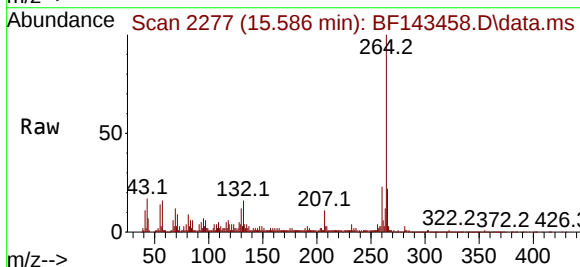
Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP10-081425

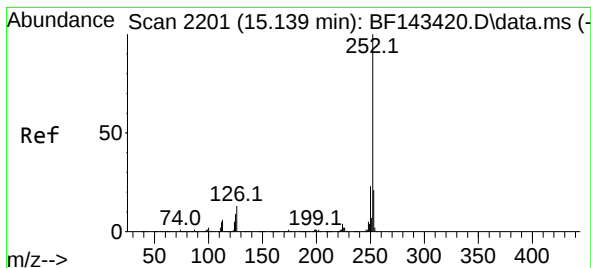
Tgt Ion:	149	Resp:	131938
Ion	Ratio	Lower	Upper
149	100		
167	28.8	22.6	33.8
279	5.1	3.5	5.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.586 min Scan# 2277
 Delta R.T. 0.012 min
 Lab File: BF143458.D
 Acq: 19 Aug 2025 15:55

Tgt Ion:	264	Resp:	177608
Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.8	28.2
265	21.6	17.4	26.0





#88

Benzo(b)fluoranthene

Concen: 8.320 ng

RT: 15.145 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143458.D

Acq: 19 Aug 2025 15:55

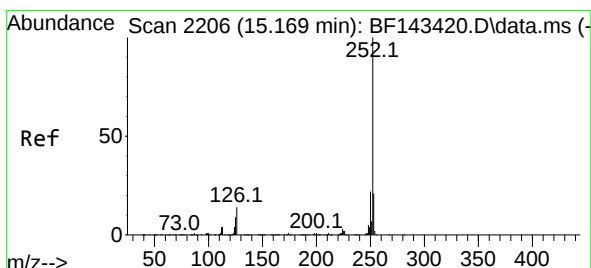
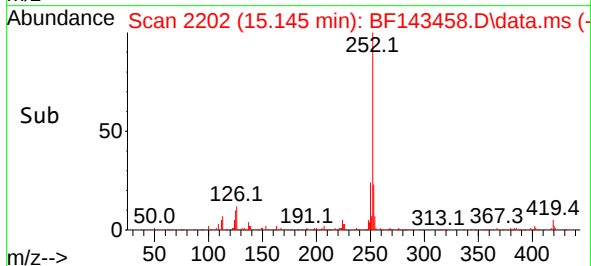
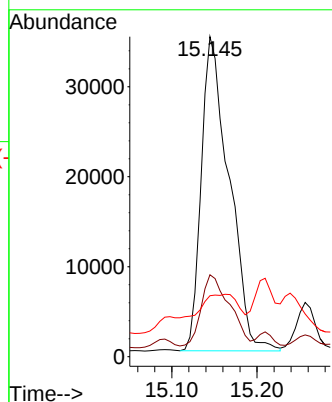
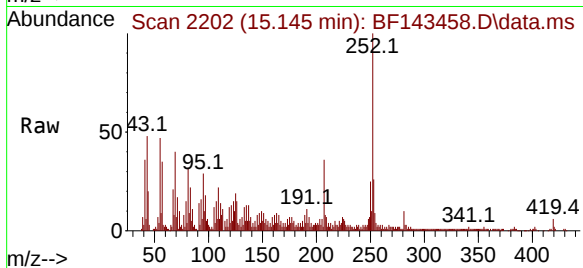
Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP10-081425

Tgt Ion:252 Resp: 79200
 Ion Ratio Lower Upper
 252 100
 253 25.6 17.1 25.7
 125 19.0 7.5 11.3#



#89

Benzo(k)fluoranthene

Concen: 8.436 ng

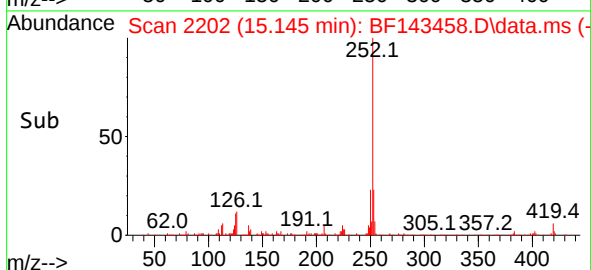
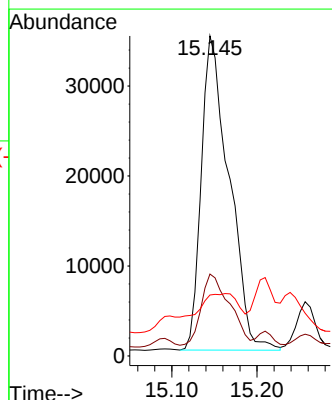
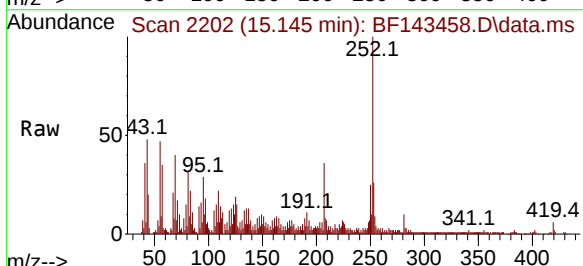
RT: 15.145 min Scan# 2202

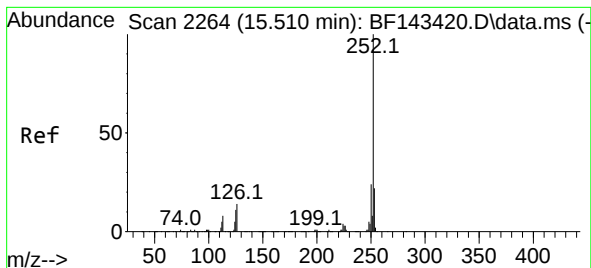
Delta R.T. -0.024 min

Lab File: BF143458.D

Acq: 19 Aug 2025 15:55

Tgt Ion:252 Resp: 79200
 Ion Ratio Lower Upper
 252 100
 253 25.6 17.2 25.8
 125 19.0 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 3.749 ng

RT: 15.521 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143458.D

Acq: 19 Aug 2025 15:55

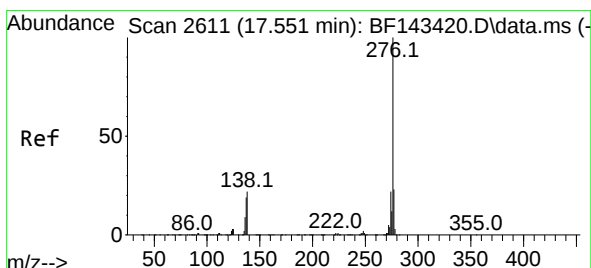
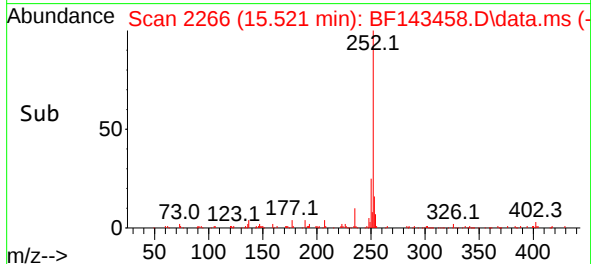
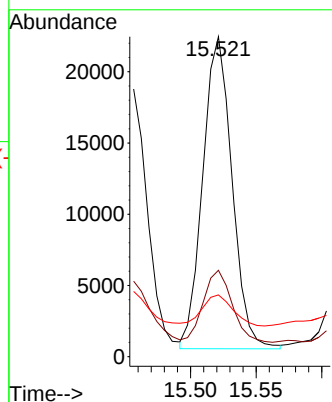
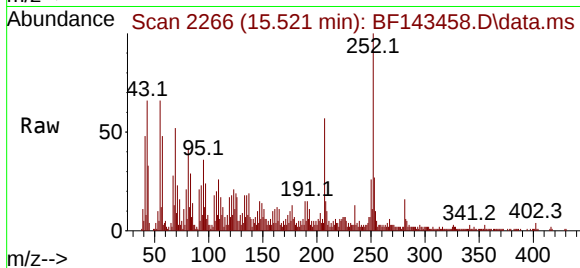
Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP10-081425

Tgt Ion:	252	Resp:	33994
Ion Ratio	Lower	Upper	
252	100		
253	27.0	17.4	26.2#
125	19.3	8.6	12.8#



#92

Benzo(g,h,i)perylene

Concen: 2.429 ng

RT: 17.574 min Scan# 2615

Delta R.T. 0.023 min

Lab File: BF143458.D

Acq: 19 Aug 2025 15:55

Tgt Ion:	276	Resp:	25950
Ion Ratio	Lower	Upper	
276	100		
277	27.0	18.7	28.1
138	29.4	17.5	26.3#

