

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
 Data File : BF143456.D
 Acq On : 19 Aug 2025 14:57
 Operator : RC/JU
 Sample : Q2879-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP08-081425

Quant Time: Aug 19 15:23:55 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)

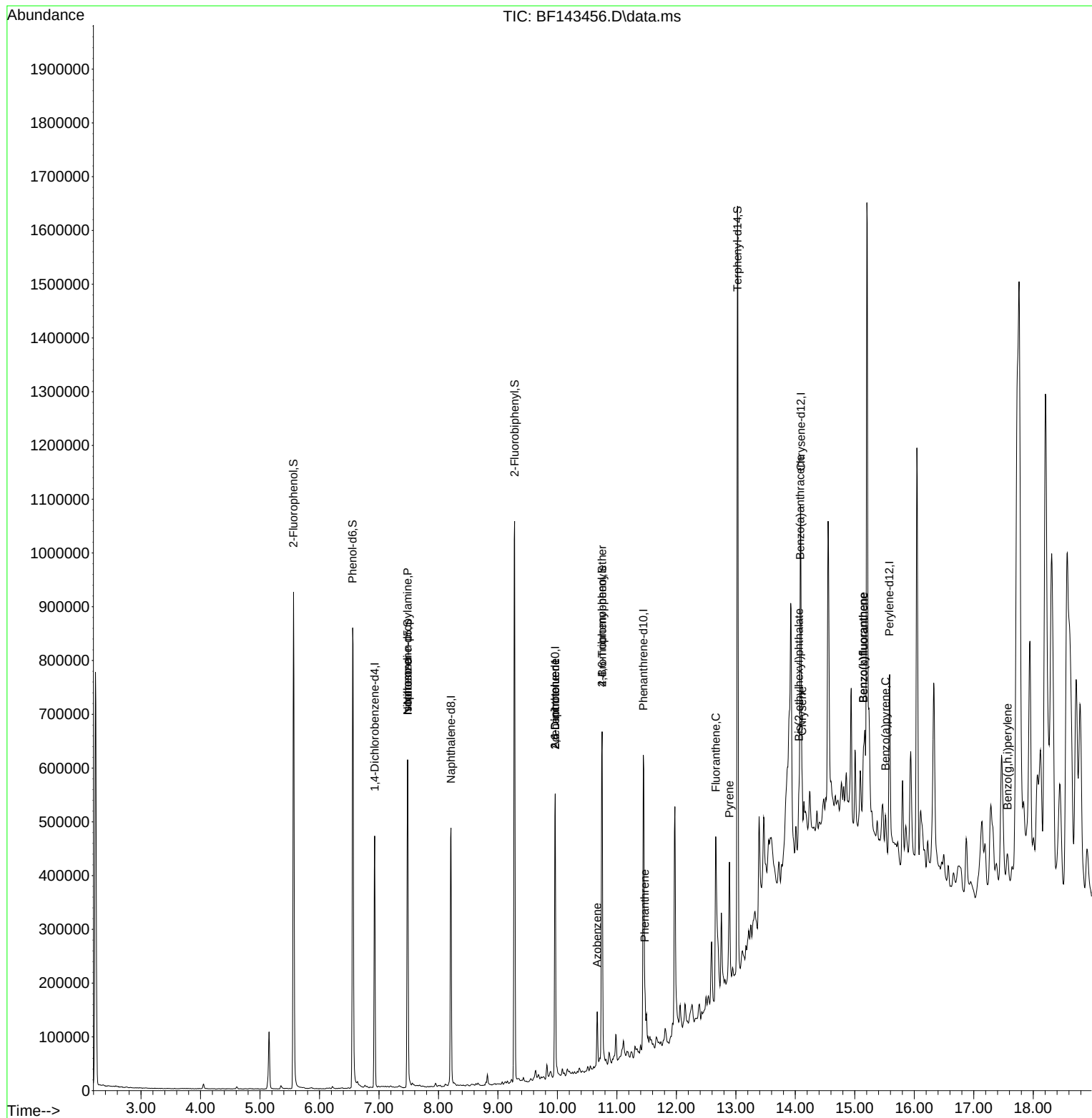
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	98829	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	307720	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	157233	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	284588	20.000	ng	0.00
76) Chrysene-d12	14.092	240	279953	20.000	ng	0.00
86) Perylene-d12	15.580	264	184800	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	340026	59.808	ng	0.00
7) Phenol-d6	6.557	99	406539	56.741	ng	0.00
23) Nitrobenzene-d5	7.481	82	256663	49.493	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	104537	74.696	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	470643	50.347	ng	0.00
79) Terphenyl-d14	13.027	244	695073	41.708	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	34683	7.819	ng	# 80
25) Isophorone	7.481	82	249861	25.174	ng	# 65
51) 2,6-Dinitrotoluene	9.963	165	20723	10.724	ng	# 25
57) 2,4-Dinitrotoluene	9.963	165	20939	8.127	ng	# 25
63) Azobenzene	10.669	77	23611	2.579	ng	# 1
67) 4-Bromophenyl-phenylether	10.751	248	7225	2.150	ng	# 1
71) Phenanthrene	11.469	178	42555	2.761	ng	98
75) Fluoranthene	12.663	202	142859	10.433	ng	99
78) Pyrene	12.892	202	128011	5.261	ng	99
81) Benzo(a)anthracene	14.080	228	75556	4.239	ng	92
83) Chrysene	14.116	228	68136	4.135	ng	97
84) Bis(2-ethylhexyl)phtha...	14.063	149	37889	4.427	ng	99
88) Benzo(b)fluoranthene	15.145	252	93741	9.464	ng	# 86
89) Benzo(k)fluoranthene	15.145	252	93741	9.596	ng	# 86
90) Benzo(a)pyrene	15.516	252	40067	4.247	ng	# 87
92) Benzo(g,h,i)perylene	17.568	276	28343	2.549	ng	# 91

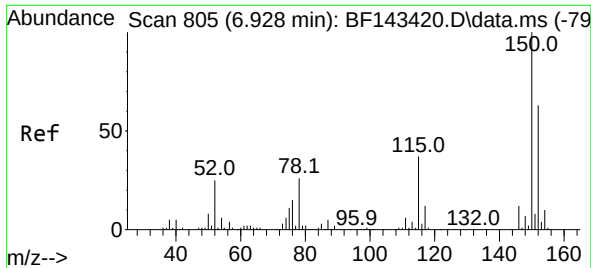
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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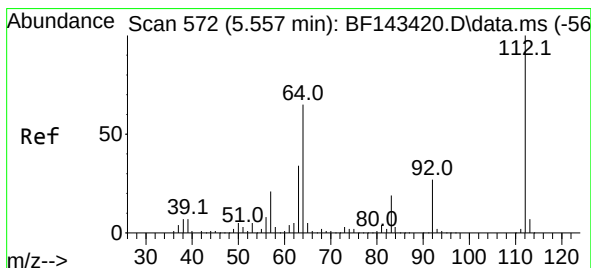
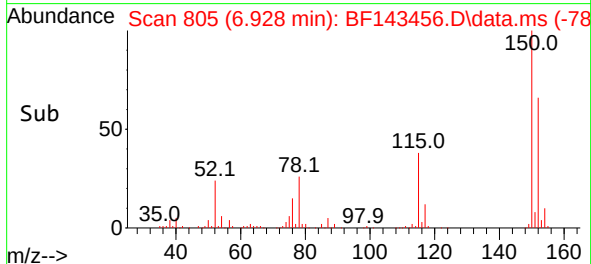
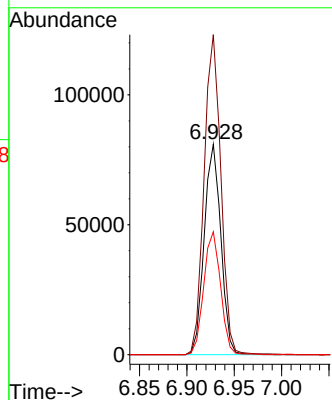
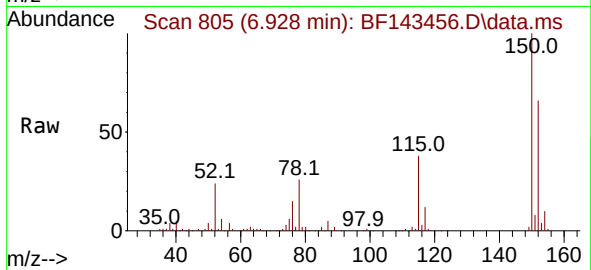




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

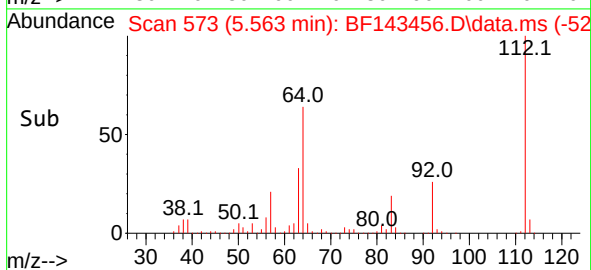
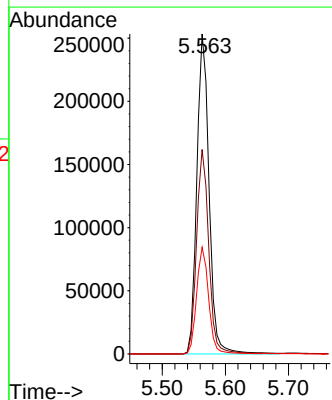
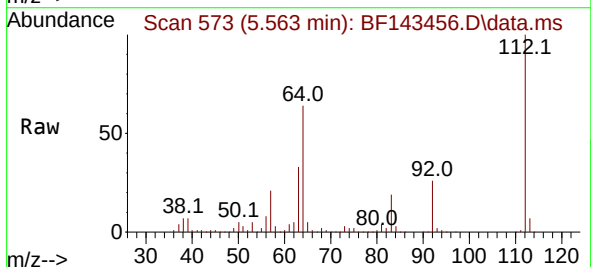
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

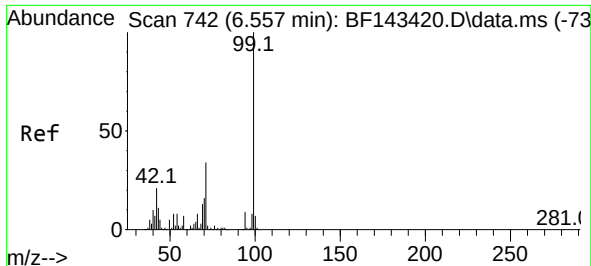
Tgt Ion:152 Resp: 98829
Ion Ratio Lower Upper
152 100
150 152.0 127.4 191.2
115 58.4 47.5 71.3



#5
2-Fluorophenol
Concen: 59.808 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:112 Resp: 340026
Ion Ratio Lower Upper
112 100
64 63.9 52.2 78.2
63 33.4 27.0 40.6

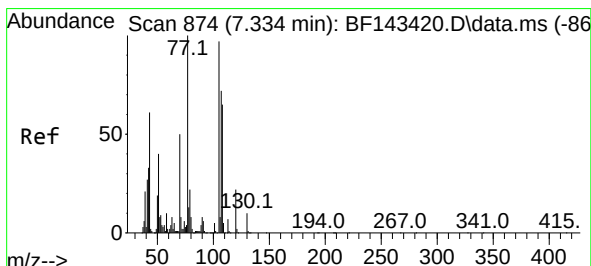
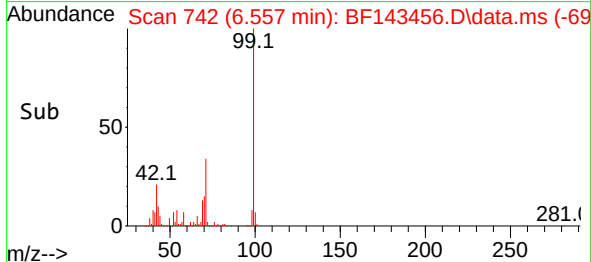
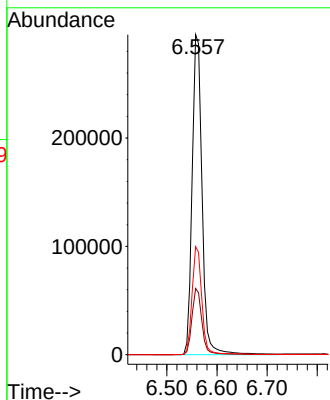
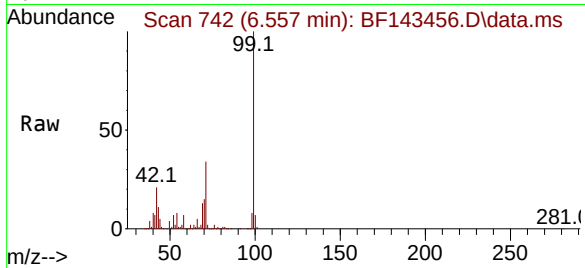




#7
Phenol-d6
Concen: 56.741 ng
RT: 6.557 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

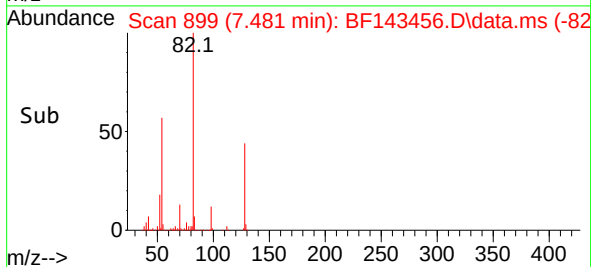
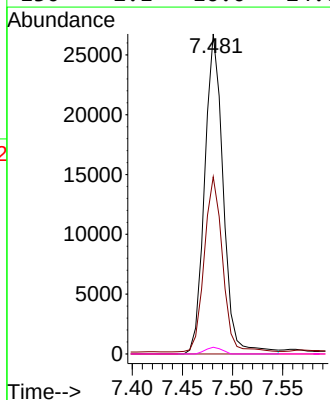
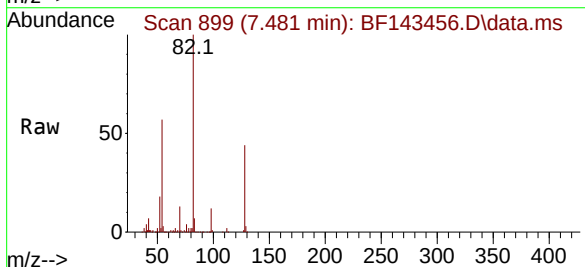
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

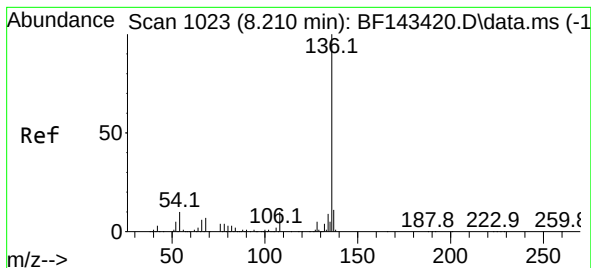
Tgt Ion: 99 Resp: 406539
Ion Ratio Lower Upper
99 100
42 20.7 17.0 25.6
71 33.8 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 7.819 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.147 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion: 70 Resp: 34683
Ion Ratio Lower Upper
70 100
42 55.3 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# 1

Delta R.T. 0.000 min

Lab File: BF143456.D

Acq: 19 Aug 2025 14:57

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP08-081425

Tgt Ion:136 Resp: 307720

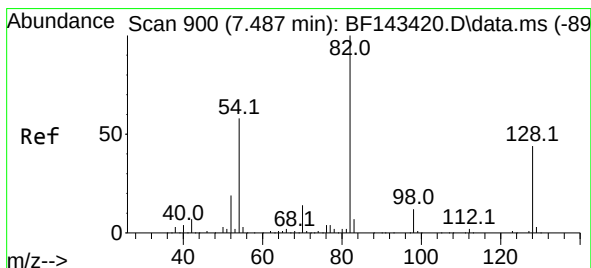
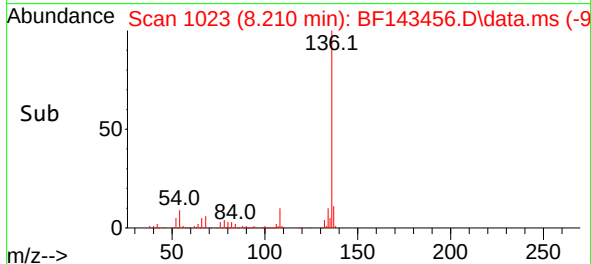
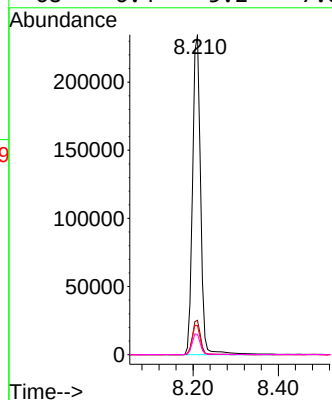
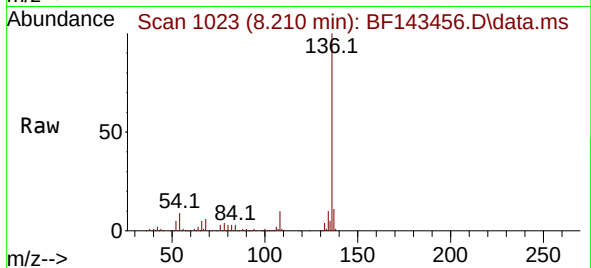
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 9.1 7.8 11.8

68 6.4 5.2 7.8



#23

Nitrobenzene-d5

Concen: 49.493 ng

RT: 7.481 min Scan# 899

Delta R.T. -0.006 min

Lab File: BF143456.D

Acq: 19 Aug 2025 14:57

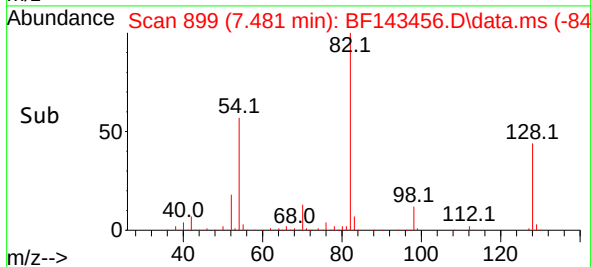
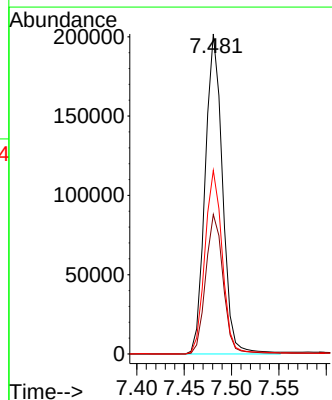
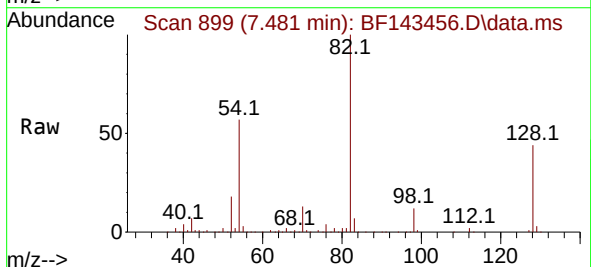
Tgt Ion: 82 Resp: 256663

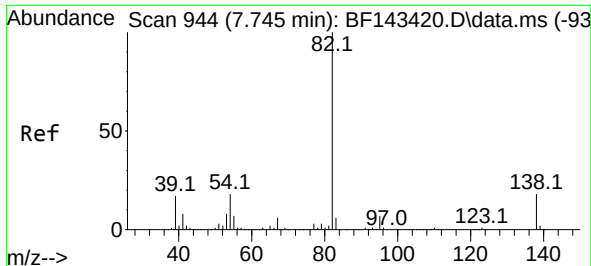
Ion Ratio Lower Upper

82 100

128 43.6 34.6 52.0

54 57.3 46.0 69.0

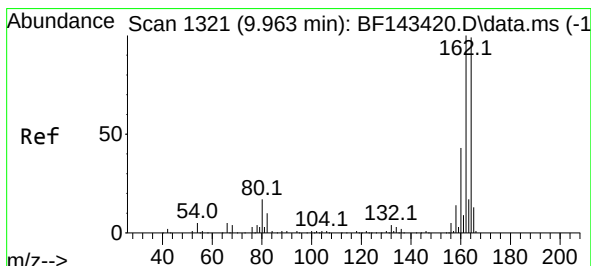
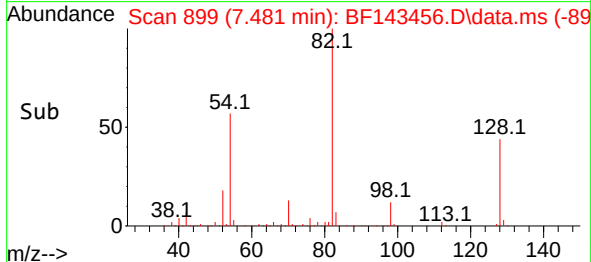
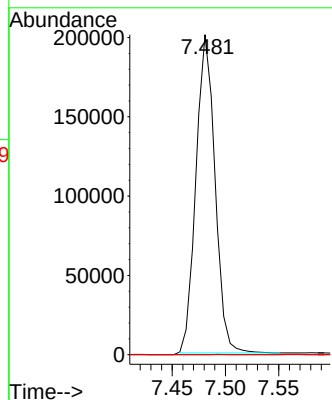
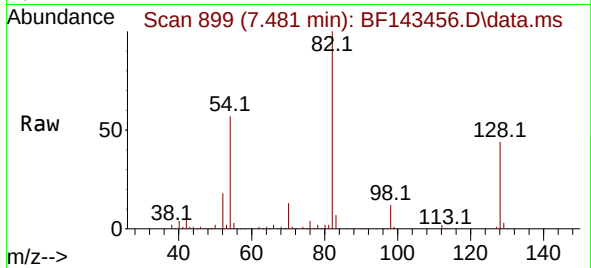




#25
Isophorone
Concen: 25.174 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.265 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

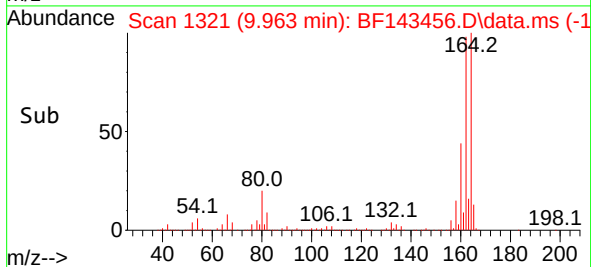
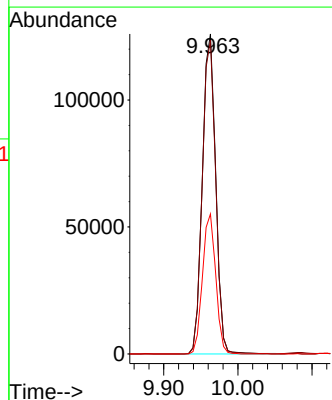
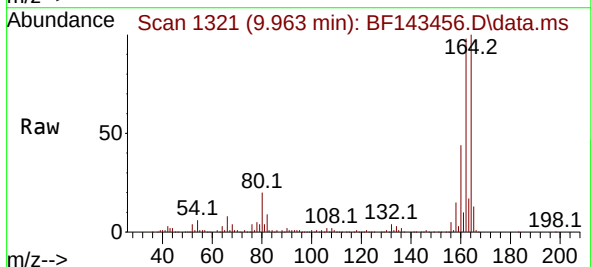
Instrument :
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OU4-TS-GRILLO-TSCP08-081425

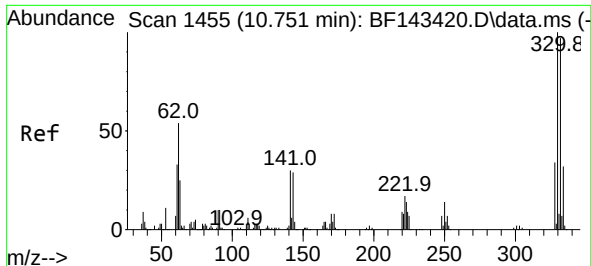
Tgt Ion: 82 Resp: 249861
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.3 21.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:164 Resp: 157233
Ion Ratio Lower Upper
164 100
162 98.1 80.6 121.0
160 43.7 34.6 51.8

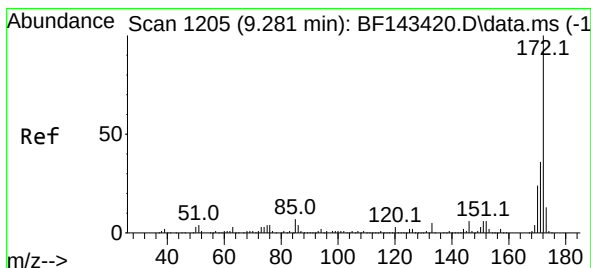
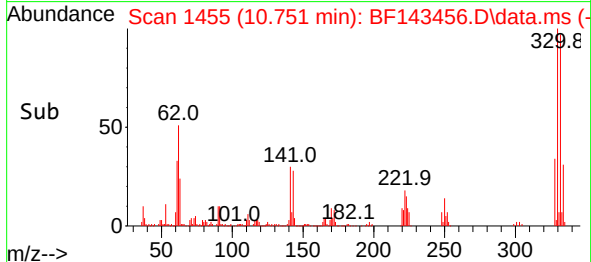
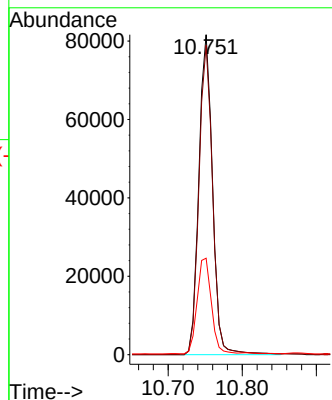
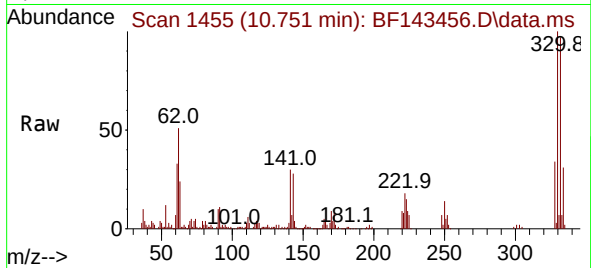




#42
2,4,6-Tribromophenol
Concen: 74.696 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

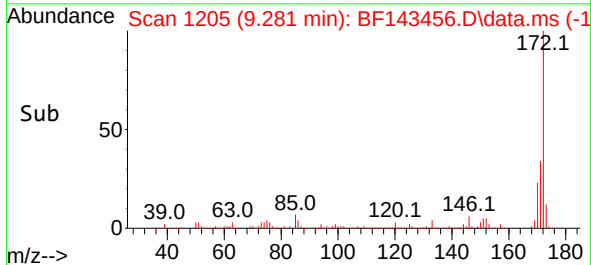
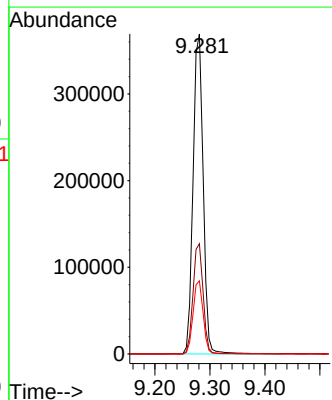
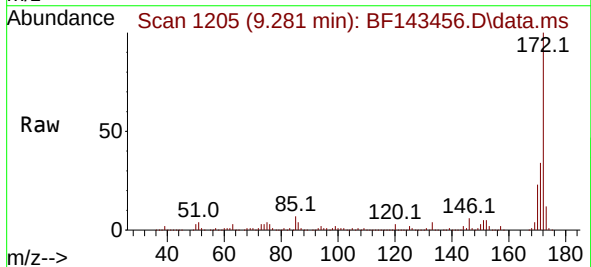
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

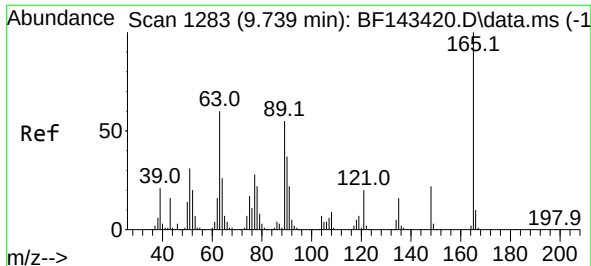
Tgt Ion:330 Resp: 104537
Ion Ratio Lower Upper
330 100
332 96.7 77.4 116.2
141 30.9 24.1 36.1



#45
2-Fluorobiphenyl
Concen: 50.347 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:172 Resp: 470643
Ion Ratio Lower Upper
172 100
171 34.5 28.7 43.1
170 22.9 19.0 28.6

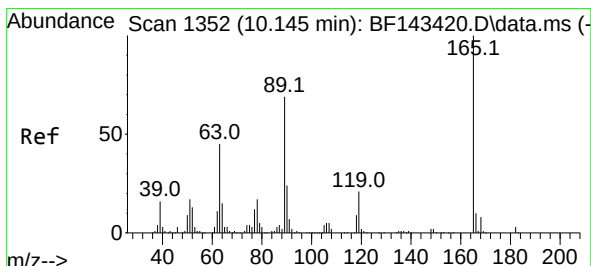
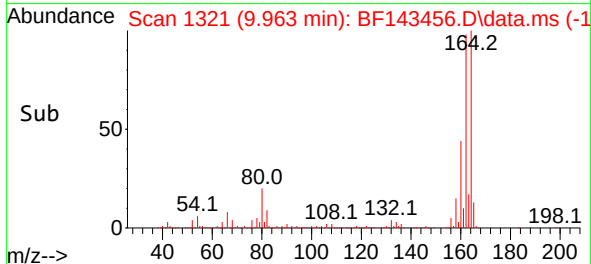
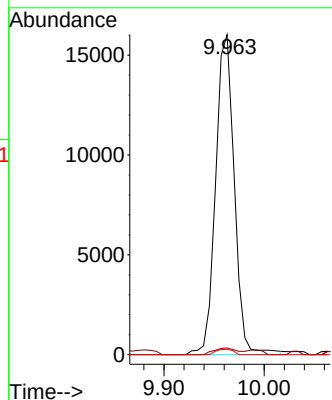
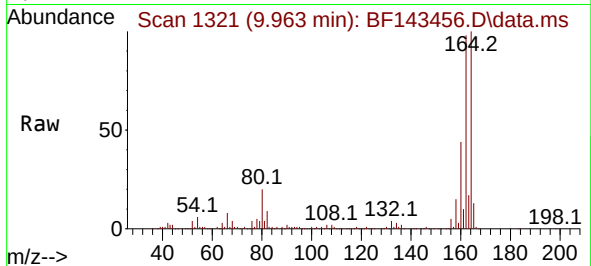




#51
2,6-Dinitrotoluene
Concen: 10.724 ng
RT: 9.963 min Scan# 11
Delta R.T. 0.223 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

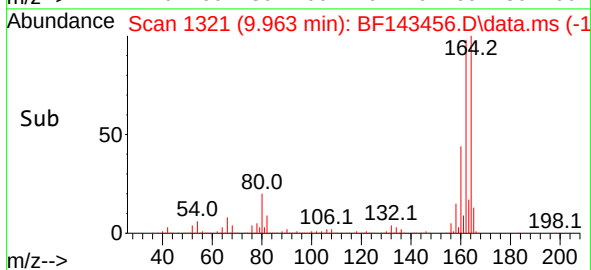
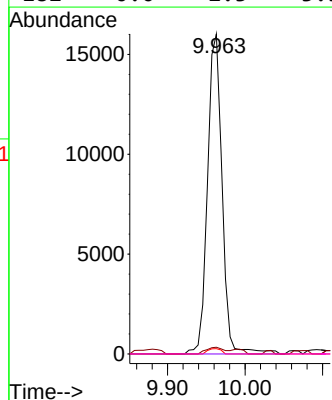
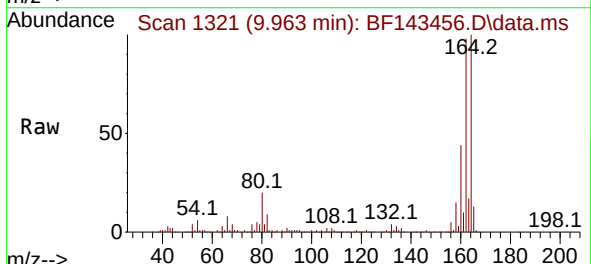
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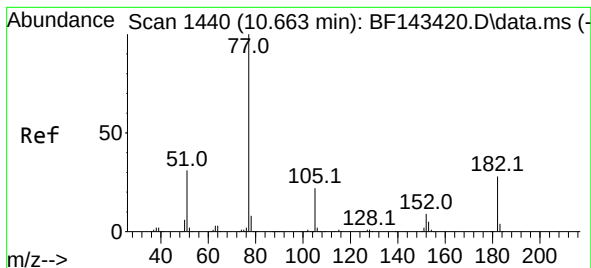
Tgt Ion:165 Resp: 20723
Ion Ratio Lower Upper
165 100
63 2.1 48.2 72.2#
89 1.7 44.2 66.2#



#57
2,4-Dinitrotoluene
Concen: 8.127 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.182 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:165 Resp: 20939
Ion Ratio Lower Upper
165 100
63 2.1 37.0 55.6#
89 1.7 55.4 83.0#
182 0.0 2.3 3.5#





#63

Azobenzene

Concen: 2.579 ng

RT: 10.669 min Scan# 1440

Delta R.T. 0.006 min

Lab File: BF143456.D

Acq: 19 Aug 2025 14:57

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP08-081425

Tgt Ion: 77 Resp: 23611

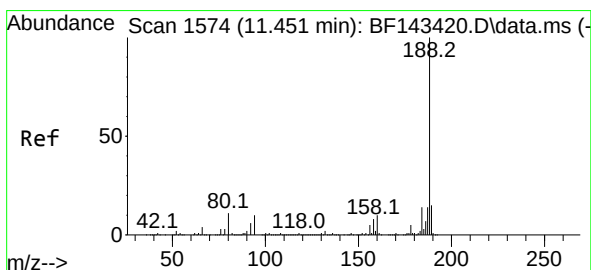
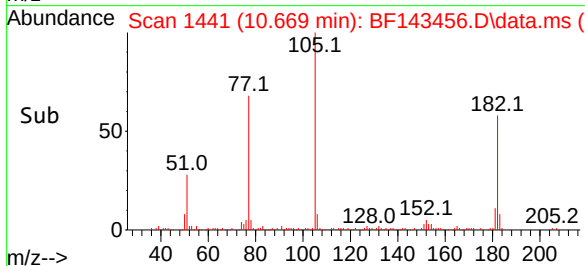
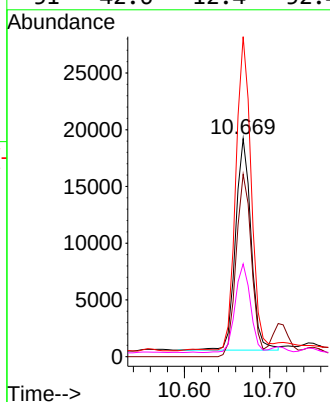
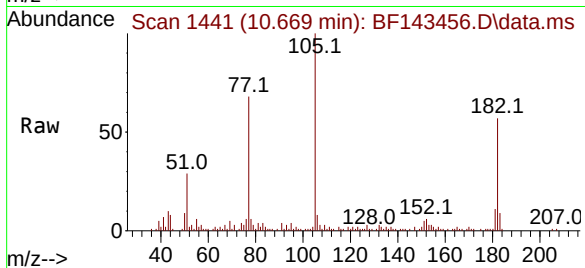
Ion Ratio Lower Upper

77 100

182 83.6 7.4 47.4#

105 146.8 1.7 41.7#

51 42.6 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: BF143456.D

Acq: 19 Aug 2025 14:57

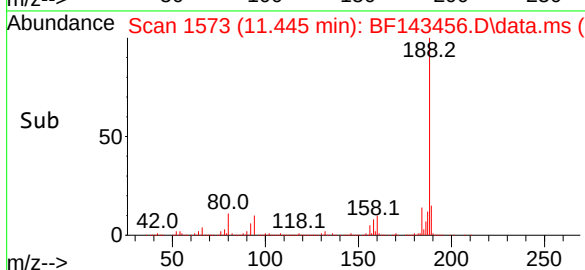
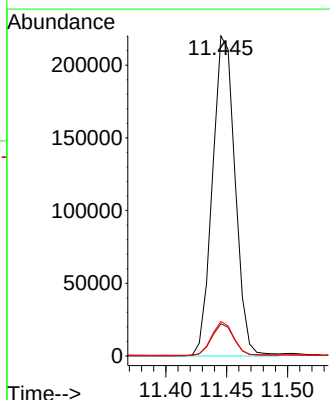
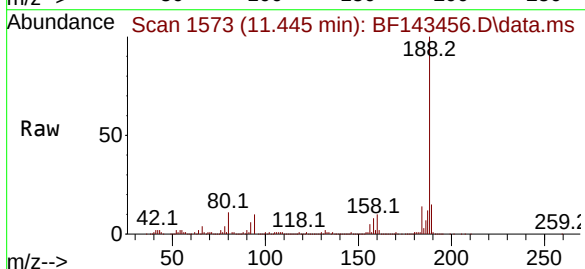
Tgt Ion:188 Resp: 284588

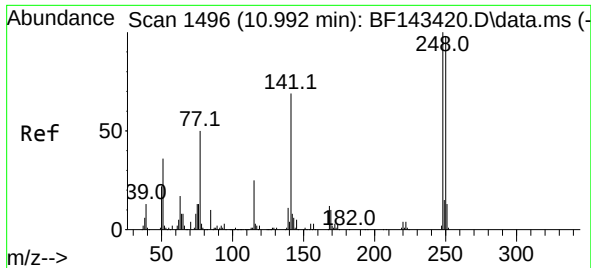
Ion Ratio Lower Upper

188 100

94 10.1 8.0 12.0

80 10.8 8.6 12.8

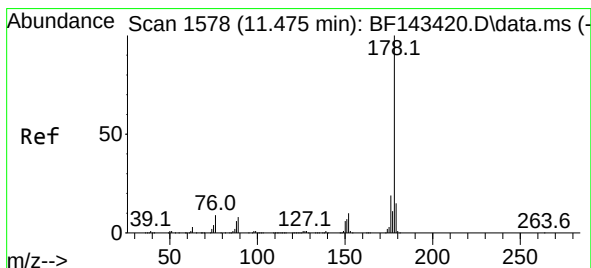
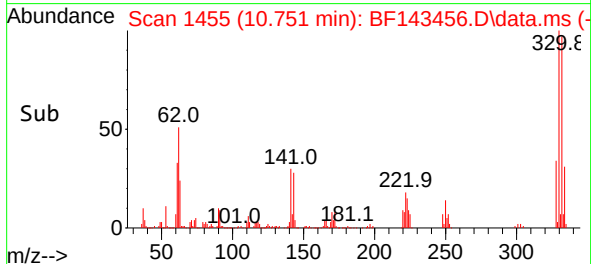
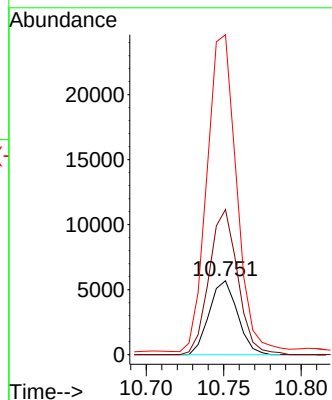
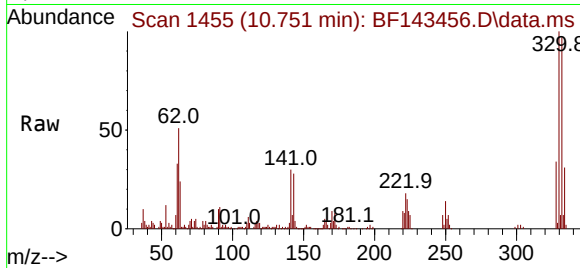




#67
4-Bromophenyl-phenylether
Concen: 2.150 ng
RT: 10.751 min Scan# 1496
Delta R.T. -0.241 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

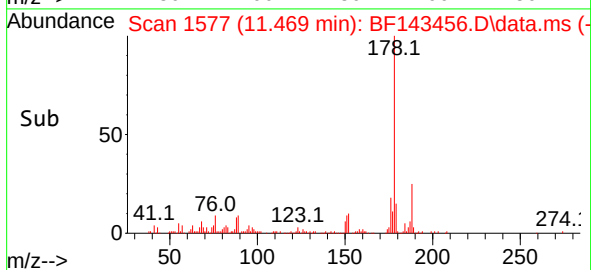
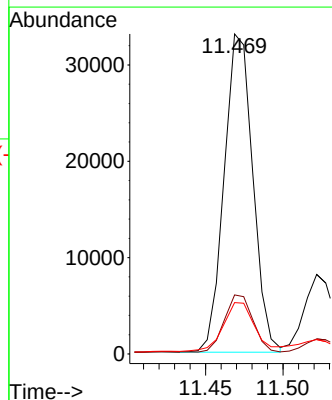
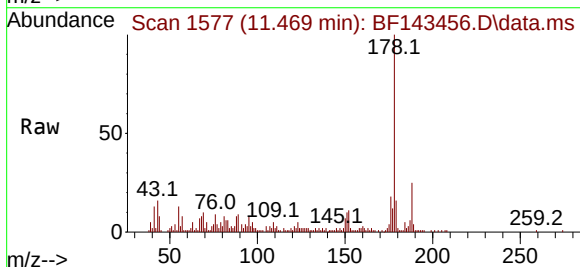
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

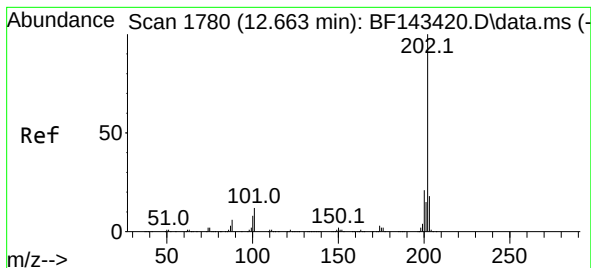
Tgt Ion:248 Resp: 7225
Ion Ratio Lower Upper
248 100
250 196.3 78.6 118.0#
141 432.9 54.9 82.3#



#71
Phenanthrene
Concen: 2.761 ng
RT: 11.469 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:178 Resp: 42555
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.0
179 16.0 12.3 18.5





#75

Fluoranthene

Concen: 10.433 ng

RT: 12.663 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143456.D

Acq: 19 Aug 2025 14:57

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP08-081425

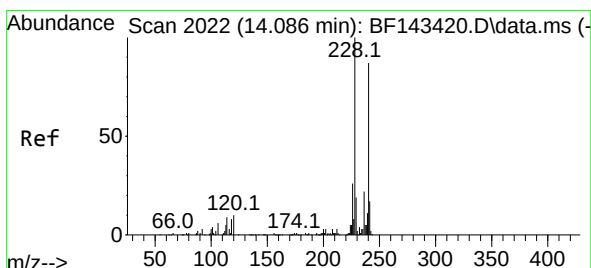
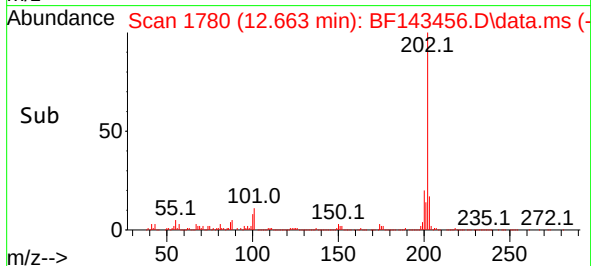
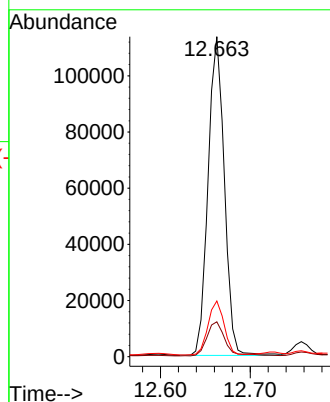
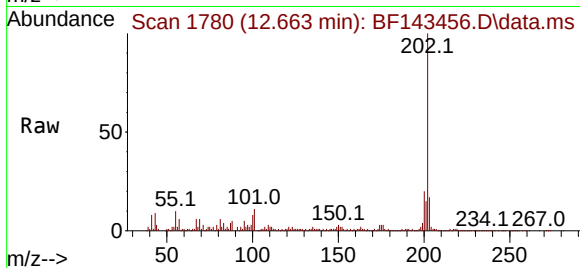
Tgt Ion:202 Resp: 142859

Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.5

203 17.4 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: BF143456.D

Acq: 19 Aug 2025 14:57

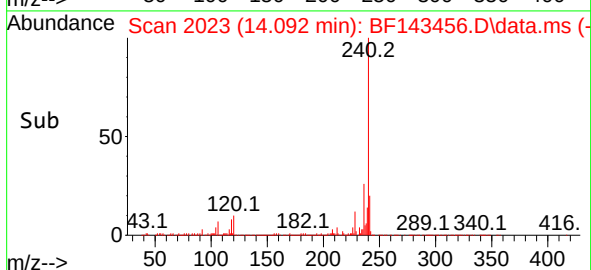
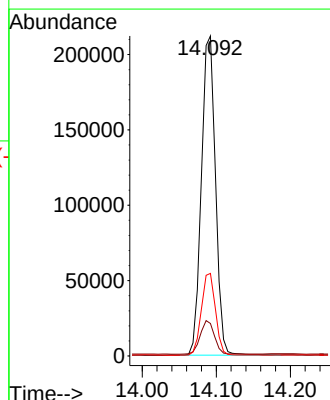
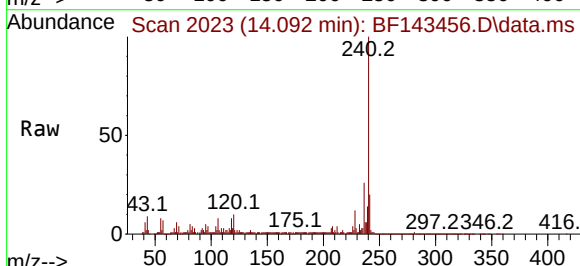
Tgt Ion:240 Resp: 279953

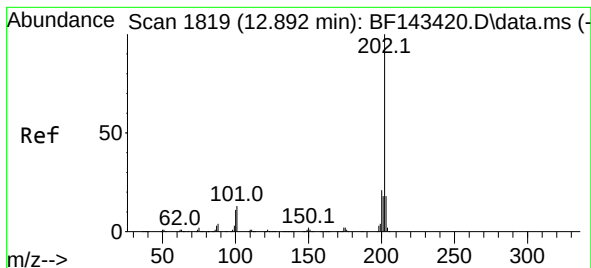
Ion Ratio Lower Upper

240 100

120 10.1 9.0 13.4

236 25.8 20.2 30.2





#78

Pyrene

Concen: 5.261 ng

RT: 12.892 min Scan# 1819

Delta R.T. -0.000 min

Lab File: BF143456.D

Acq: 19 Aug 2025 14:57

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP08-081425

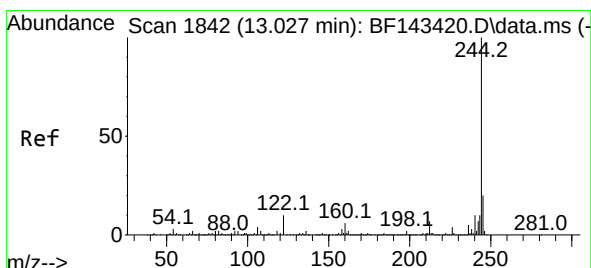
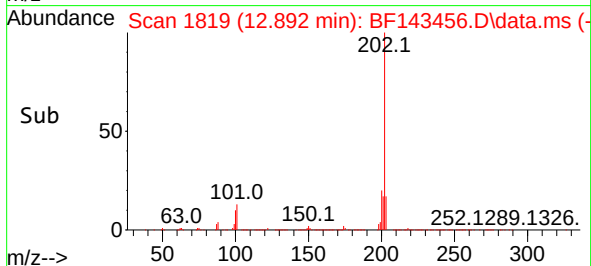
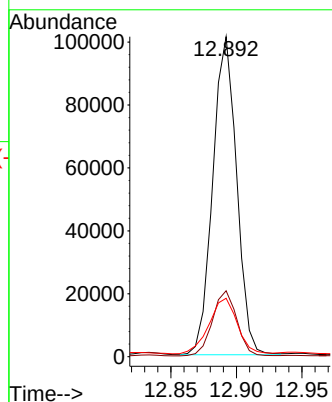
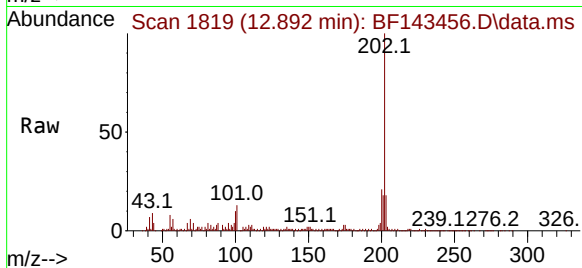
Tgt Ion:202 Resp: 128011

Ion Ratio Lower Upper

202 100

200 20.6 17.1 25.7

203 18.3 14.2 21.2



#79

Terphenyl-d14

Concen: 41.708 ng

RT: 13.027 min Scan# 1842

Delta R.T. -0.000 min

Lab File: BF143456.D

Acq: 19 Aug 2025 14:57

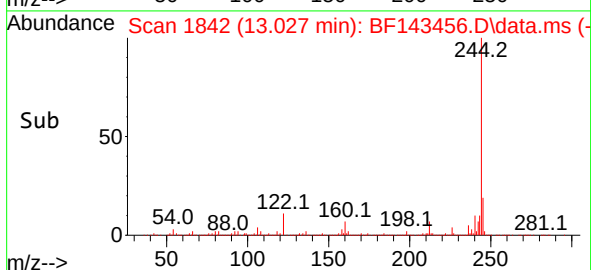
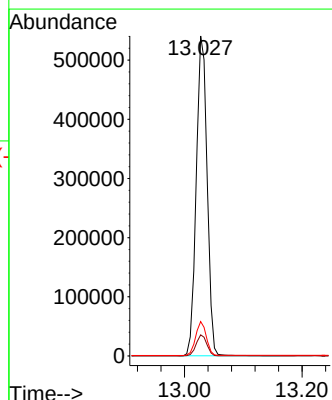
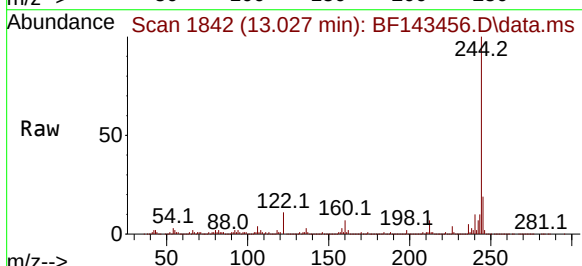
Tgt Ion:244 Resp: 695073

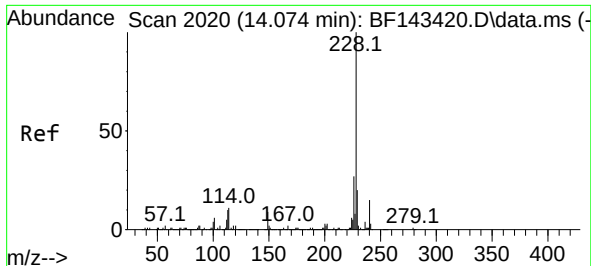
Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

122 10.7 8.3 12.5

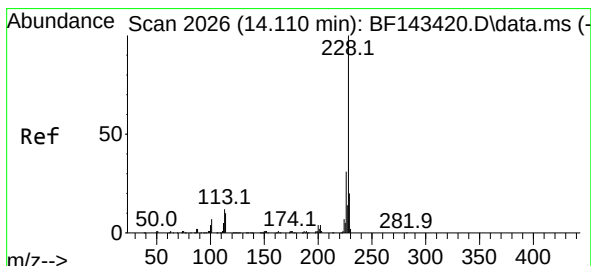
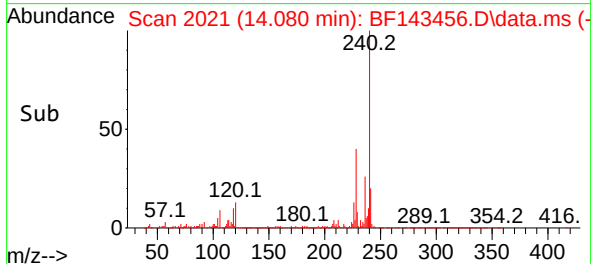
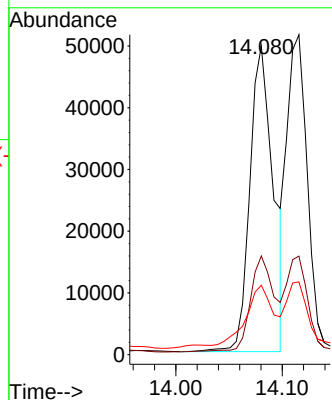
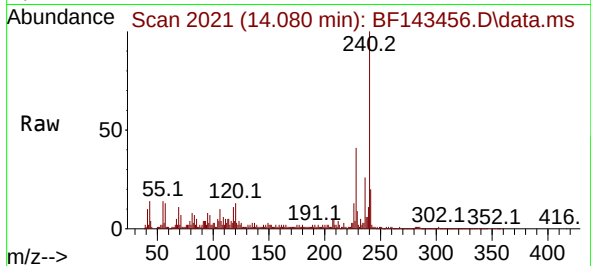




#81
Benzo(a)anthracene
Concen: 4.239 ng
RT: 14.080 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

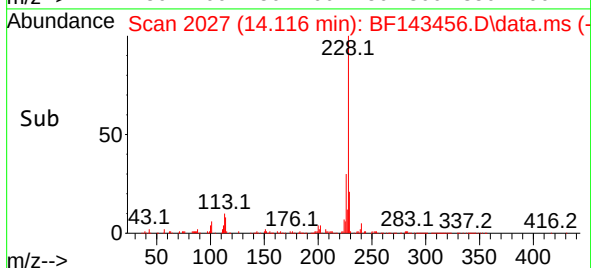
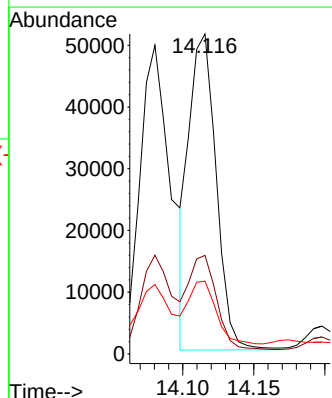
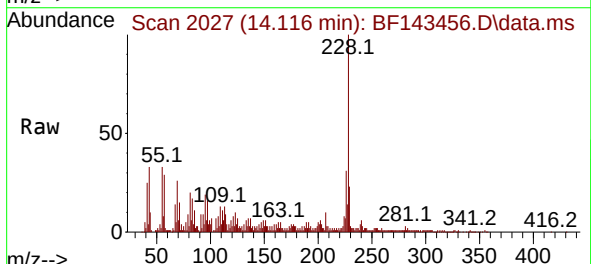
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

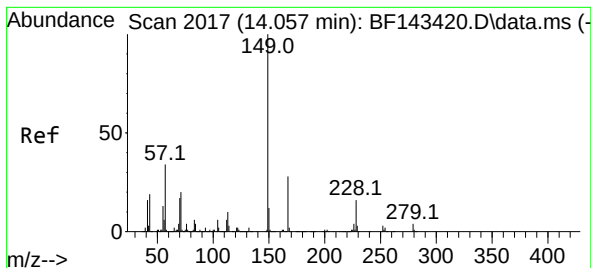
Tgt Ion:228 Resp: 75556
Ion Ratio Lower Upper
228 100
226 32.0 21.5 32.3
229 22.5 15.7 23.5



#83
Chrysene
Concen: 4.135 ng
RT: 14.116 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:228 Resp: 68136
Ion Ratio Lower Upper
228 100
226 30.8 24.3 36.5
229 22.8 16.1 24.1

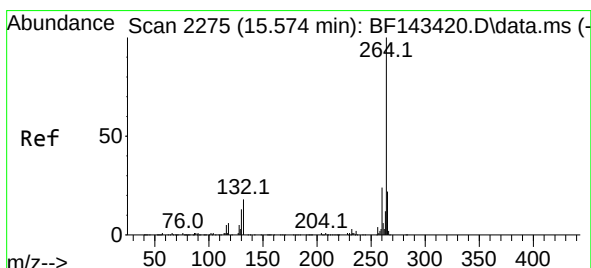
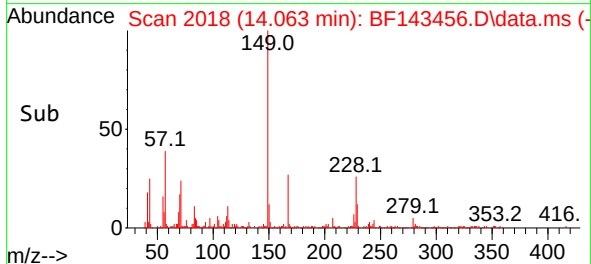
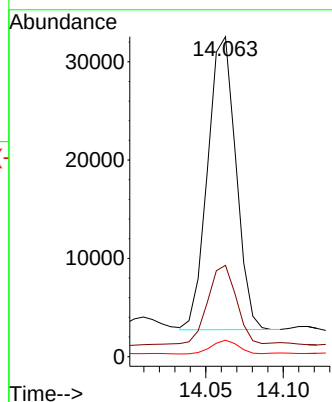
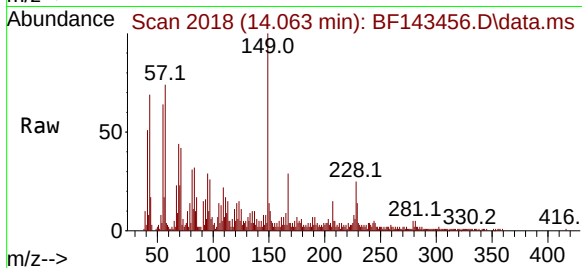




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.427 ng
 RT: 14.063 min Scan# 2017
 Delta R.T. 0.006 min
 Lab File: BF143456.D
 Acq: 19 Aug 2025 14:57

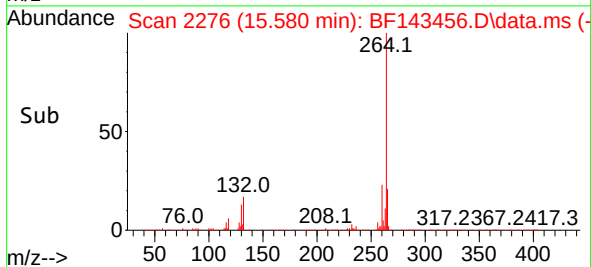
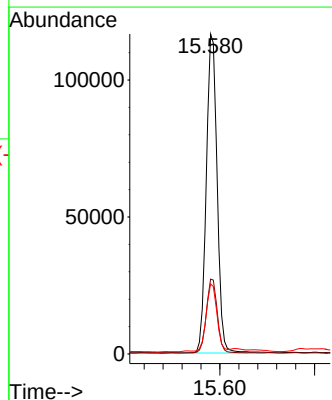
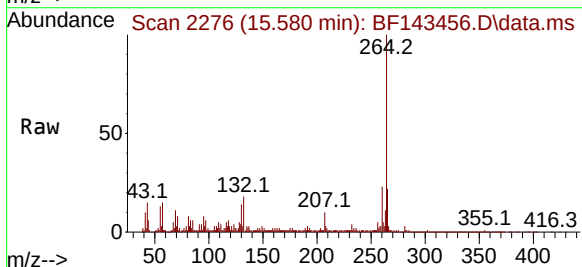
Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP08-081425

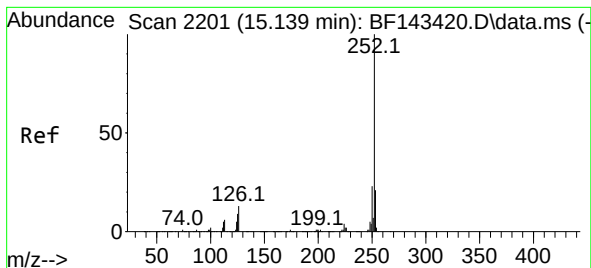
Tgt Ion:	149	Resp:	37889
Ion Ratio	Lower	Upper	
149	100		
167	28.6	22.6	33.8
279	5.1	3.5	5.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.580 min Scan# 2276
 Delta R.T. 0.006 min
 Lab File: BF143456.D
 Acq: 19 Aug 2025 14:57

Tgt Ion:	264	Resp:	184800
Ion Ratio	Lower	Upper	
264	100		
260	23.4	18.8	28.2
265	21.9	17.4	26.0





#88

Benzo(b)fluoranthene

Concen: 9.464 ng

RT: 15.145 min Scan# 2201

Delta R.T. 0.006 min

Lab File: BF143456.D

Acq: 19 Aug 2025 14:57

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP08-081425

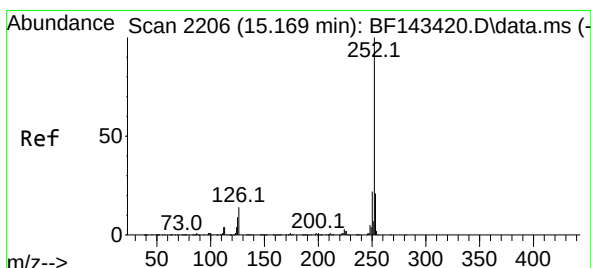
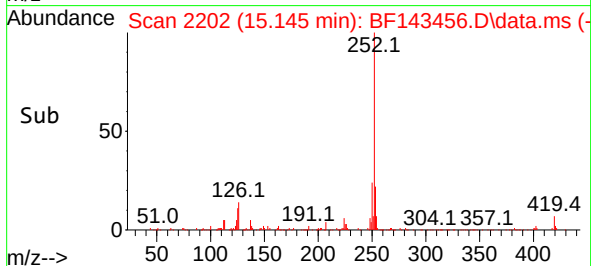
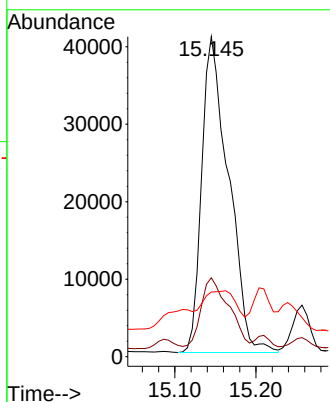
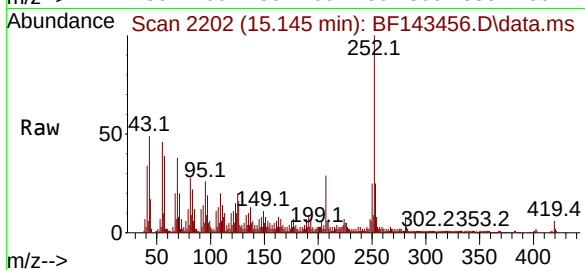
Tgt Ion:252 Resp: 93741

Ion Ratio Lower Upper

252 100

253 24.6 17.1 25.7

125 20.2 7.5 11.3#



#89

Benzo(k)fluoranthene

Concen: 9.596 ng

RT: 15.145 min Scan# 2202

Delta R.T. -0.024 min

Lab File: BF143456.D

Acq: 19 Aug 2025 14:57

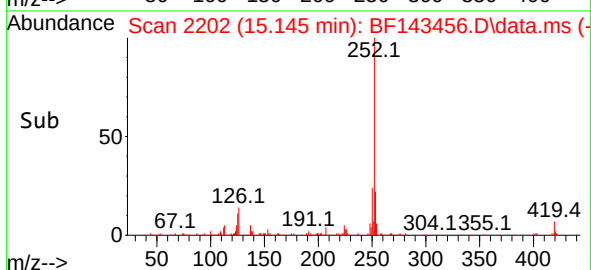
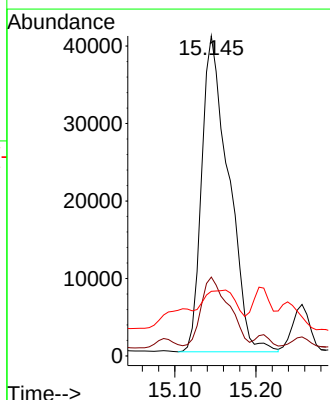
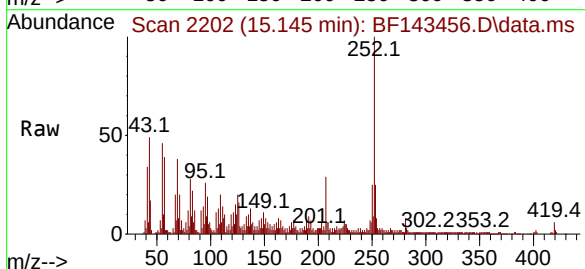
Tgt Ion:252 Resp: 93741

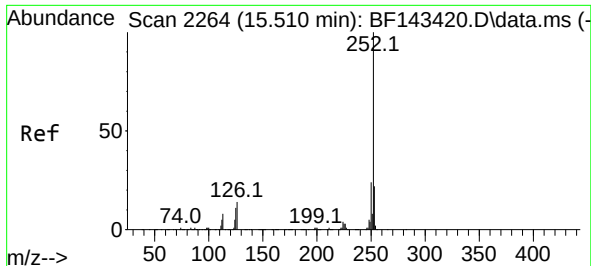
Ion Ratio Lower Upper

252 100

253 24.6 17.2 25.8

125 20.2 7.4 11.2#

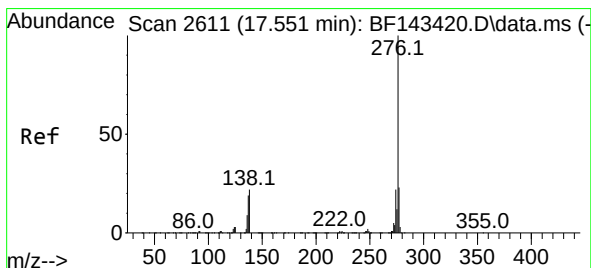
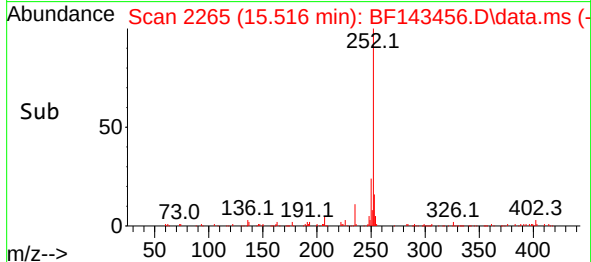
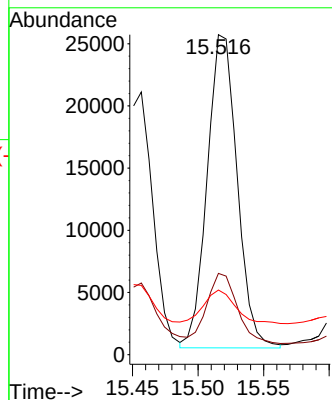
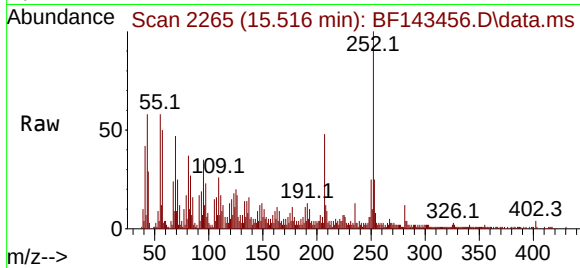




#90
Benzo(a)pyrene
Concen: 4.247 ng
RT: 15.516 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Tgt Ion:252 Resp: 40067
Ion Ratio Lower Upper
252 100
253 25.4 17.4 26.2
125 20.2 8.6 12.8#



#92
Benzo(g,h,i)perylene
Concen: 2.549 ng
RT: 17.568 min Scan# 2614
Delta R.T. 0.018 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:276 Resp: 28343
Ion Ratio Lower Upper
276 100
277 26.3 18.7 28.1
138 28.1 17.5 26.3#

