

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
 Data File : BF143451.D
 Acq On : 19 Aug 2025 12:33
 Operator : RC/JU
 Sample : Q2879-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP03-081425

Quant Time: Aug 19 13:04:31 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)

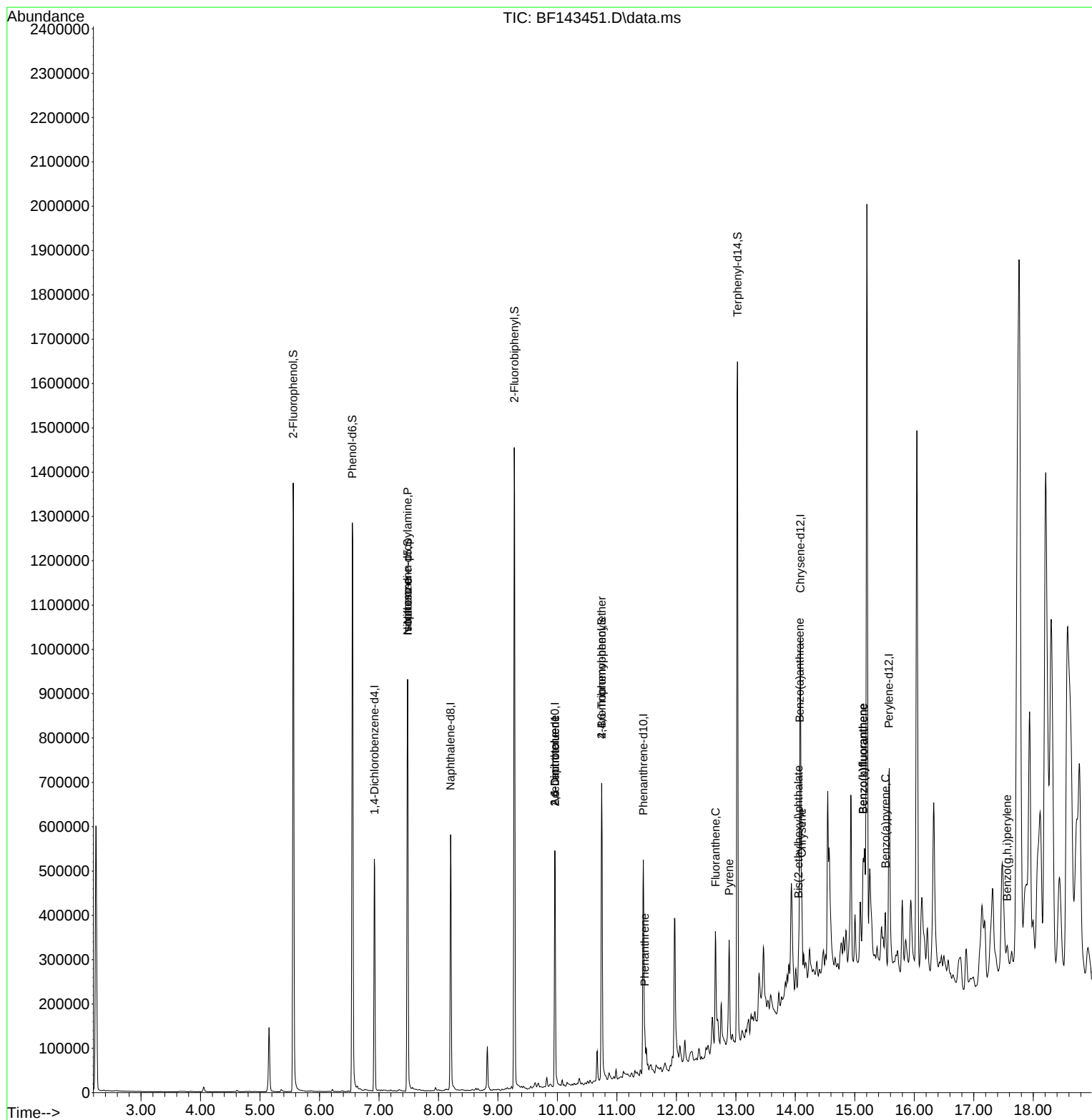
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	112068	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	363238	20.000	ng	0.00
39) Acenaphthene-d10	9.957	164	160000	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	250451	20.000	ng	0.00
76) Chrysene-d12	14.086	240	332982	20.000	ng	0.00
86) Perylene-d12	15.574	264	251746	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	514922	79.871	ng	0.00
7) Phenol-d6	6.551	99	603558	74.288	ng	0.00
23) Nitrobenzene-d5	7.481	82	394310	64.415	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	114676	80.524	ng	0.00
45) 2-Fluorobiphenyl	9.275	172	641653	67.453	ng	0.00
79) Terphenyl-d14	13.027	244	761672	38.426	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	52034	10.345	ng	# 78
25) Isophorone	7.481	82	392469	33.499	ng	# 65
51) 2,6-Dinitrotoluene	9.957	165	20373	10.360	ng	# 24
57) 2,4-Dinitrotoluene	9.957	165	20374	7.771	ng	# 25
67) 4-Bromophenyl-phenylether	10.745	248	7482	2.530	ng	# 1
71) Phenanthrene	11.469	178	34395	2.536	ng	99
75) Fluoranthene	12.657	202	142665	11.839	ng	99
78) Pyrene	12.886	202	134822	4.658	ng	98
81) Benzo(a)anthracene	14.074	228	100221	4.728	ng	93
83) Chrysene	14.110	228	98423	5.022	ng	98
84) Bis(2-ethylhexyl)phtha...	14.057	149	30771	3.023	ng	99
88) Benzo(b)fluoranthene	15.139	252	162994	12.080	ng	# 93
89) Benzo(k)fluoranthene	15.139	252	162994	12.248	ng	# 93
90) Benzo(a)pyrene	15.515	252	68496	5.330	ng	# 94
92) Benzo(g,h,i)perylene	17.562	276	34558	2.282	ng	96

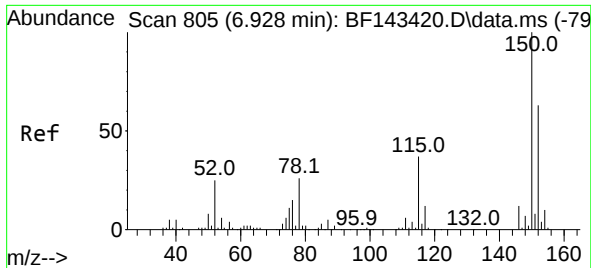
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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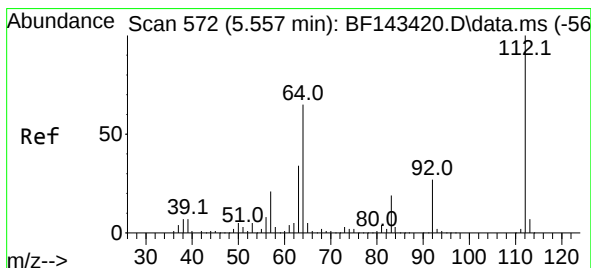
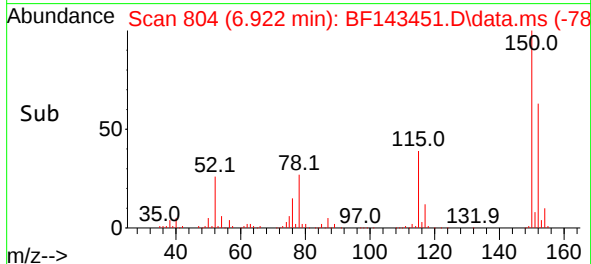
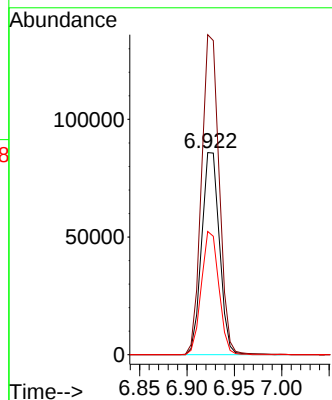
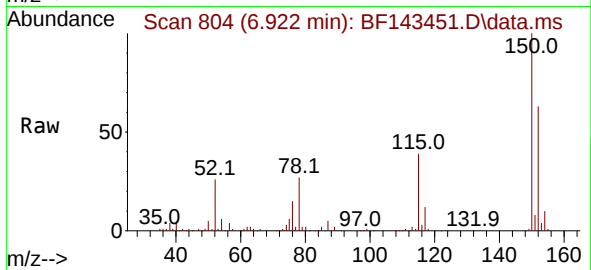




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

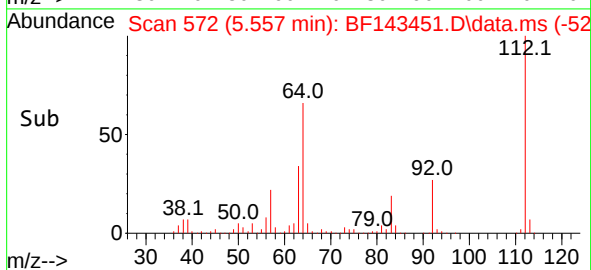
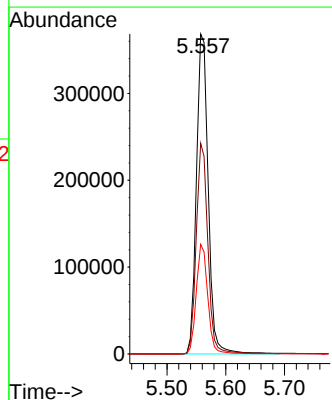
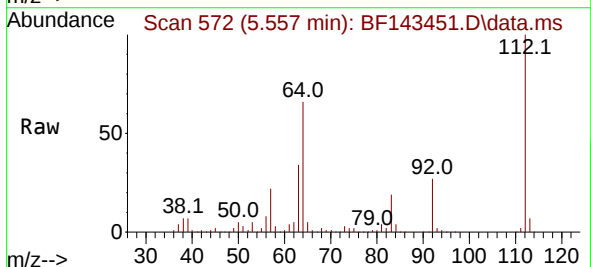
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

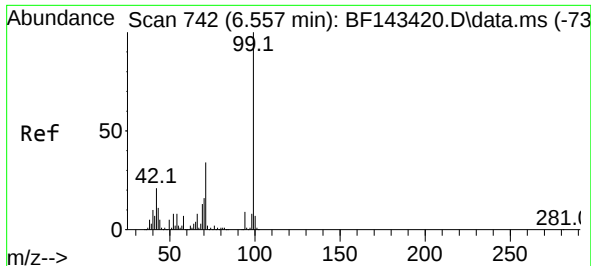
Tgt Ion:152 Resp: 112068
Ion Ratio Lower Upper
152 100
150 158.3 127.4 191.2
115 61.0 47.5 71.3



#5
2-Fluorophenol
Concen: 79.871 ng
RT: 5.557 min Scan# 572
Delta R.T. -0.000 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion:112 Resp: 514922
Ion Ratio Lower Upper
112 100
64 65.9 52.2 78.2
63 34.2 27.0 40.6

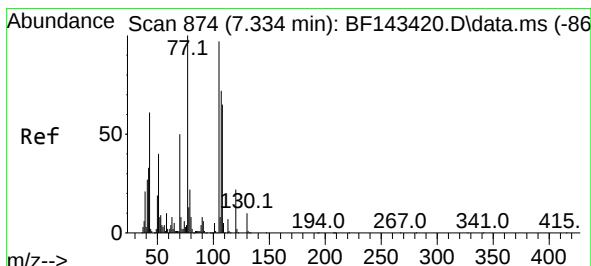
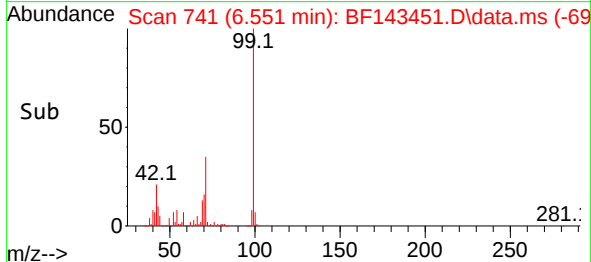
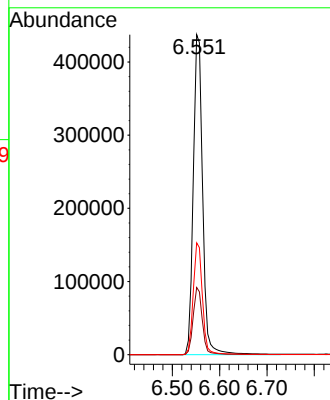
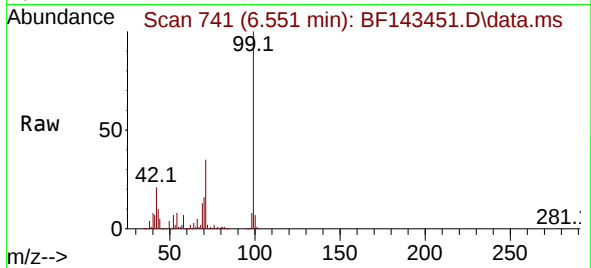




#7
Phenol-d6
Concen: 74.288 ng
RT: 6.551 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

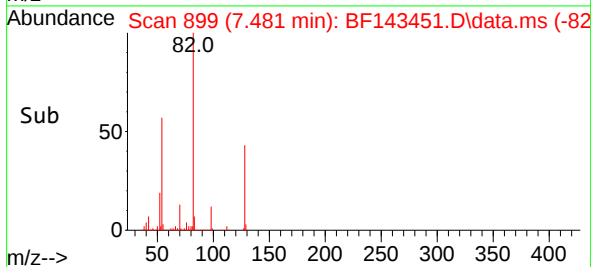
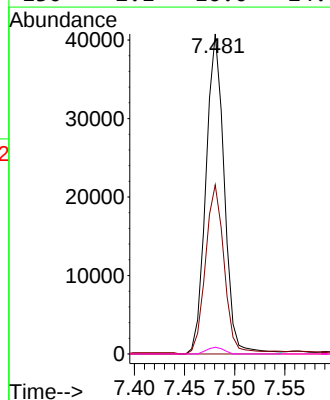
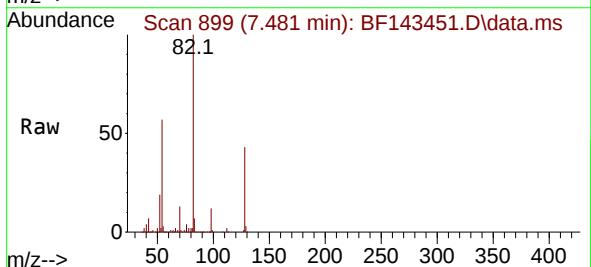
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

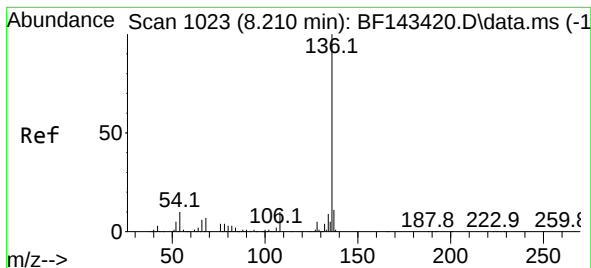
Tgt Ion: 99 Resp: 603558
Ion Ratio Lower Upper
99 100
42 21.0 17.0 25.6
71 34.9 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.345 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.147 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion: 70 Resp: 52034
Ion Ratio Lower Upper
70 100
42 52.9 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: 8.204 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143451.D

Acq: 19 Aug 2025 12:33

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP03-081425

Tgt Ion:136 Resp: 363238

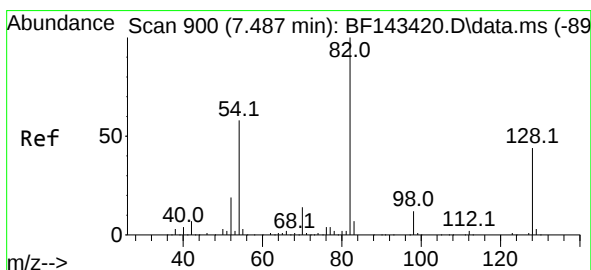
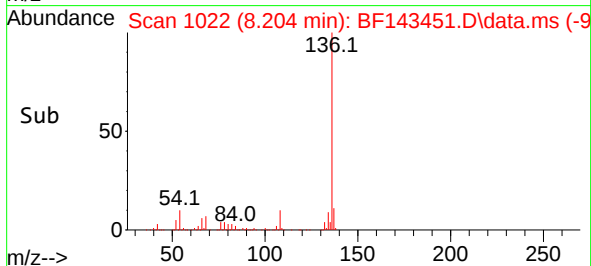
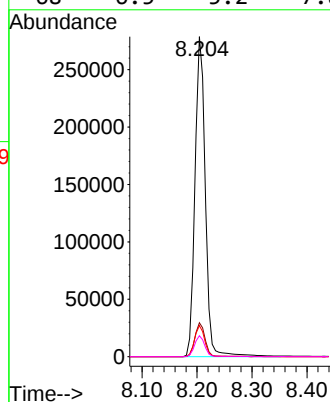
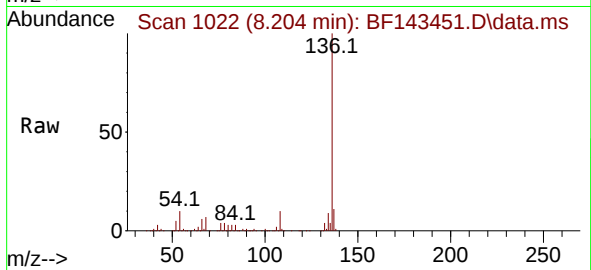
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 9.7 7.8 11.8

68 6.5 5.2 7.8



#23

Nitrobenzene-d5

Concen: 64.415 ng

RT: 7.481 min Scan# 899

Delta R.T. -0.006 min

Lab File: BF143451.D

Acq: 19 Aug 2025 12:33

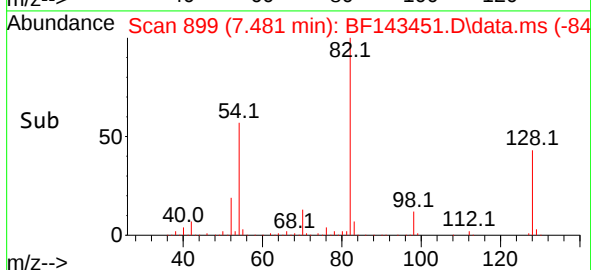
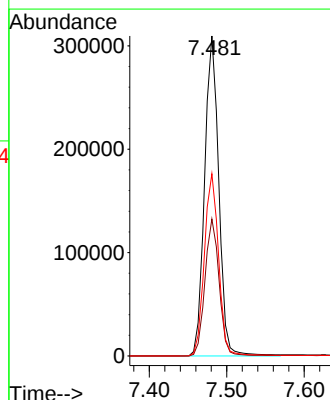
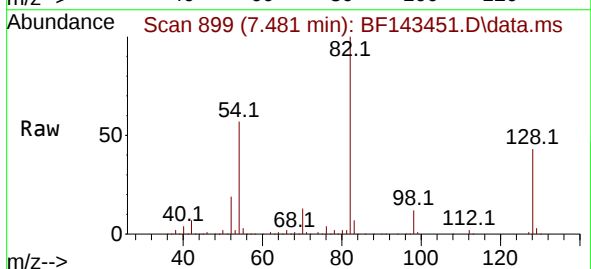
Tgt Ion: 82 Resp: 394310

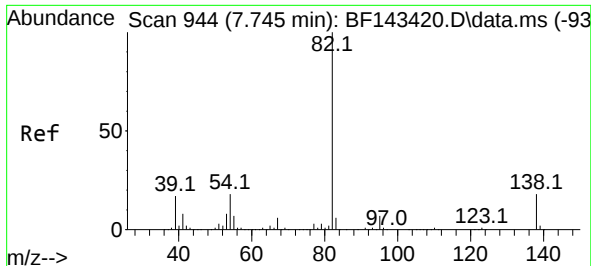
Ion Ratio Lower Upper

82 100

128 42.8 34.6 52.0

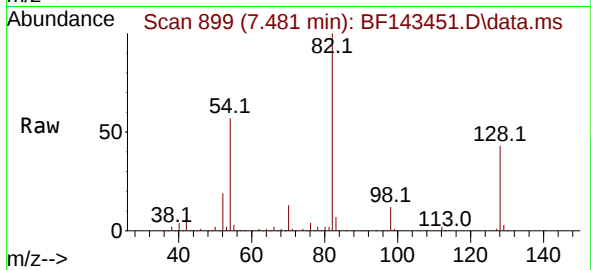
54 56.9 46.0 69.0



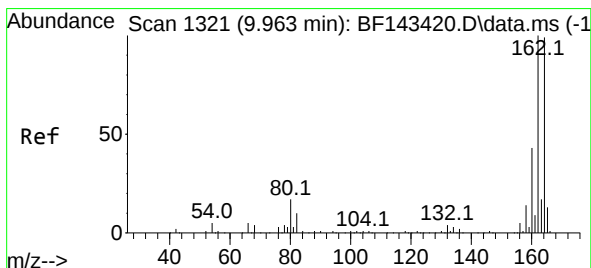
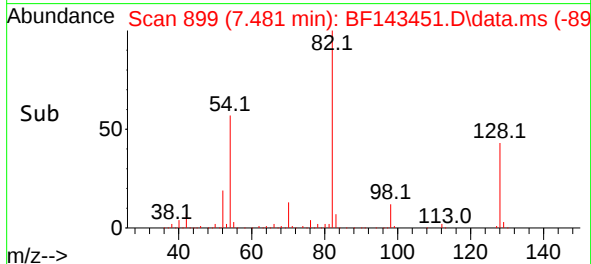
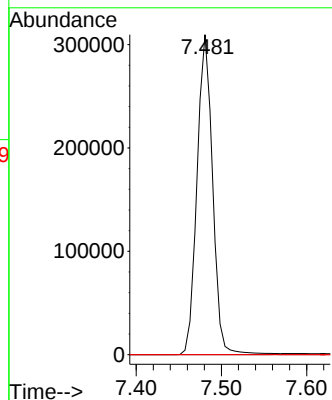


#25
Isophorone
Concen: 33.499 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.265 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

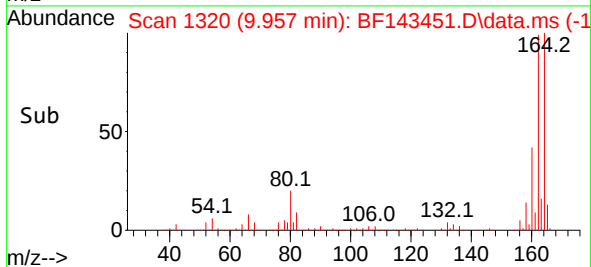
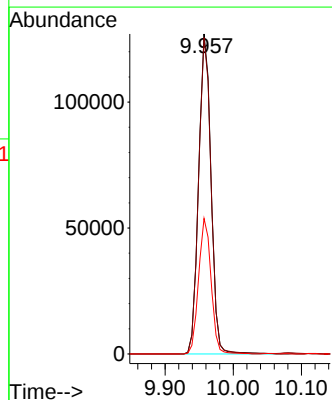
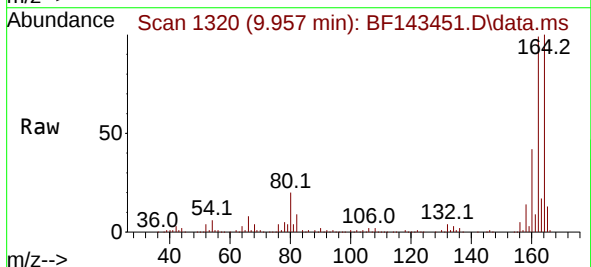


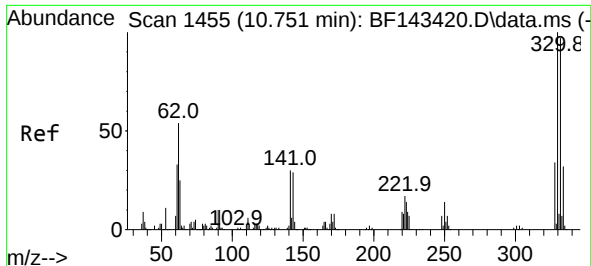
Tgt Ion: 82 Resp: 392469
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.3 21.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

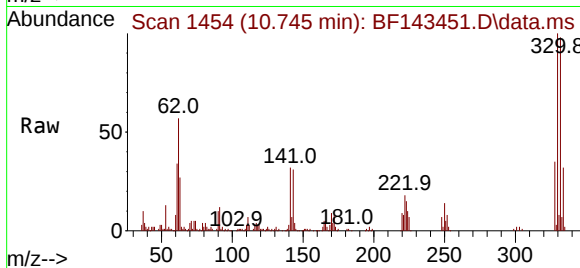
Tgt Ion:164 Resp: 160000
Ion Ratio Lower Upper
164 100
162 98.9 80.6 121.0
160 42.4 34.6 51.8



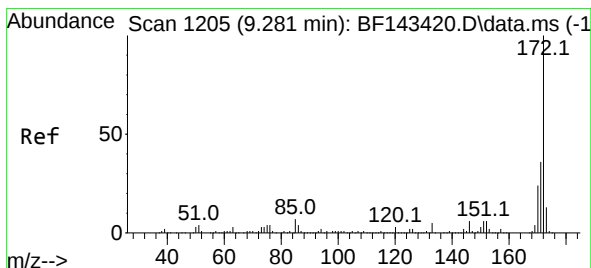
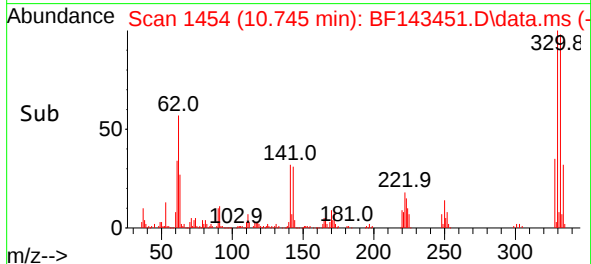
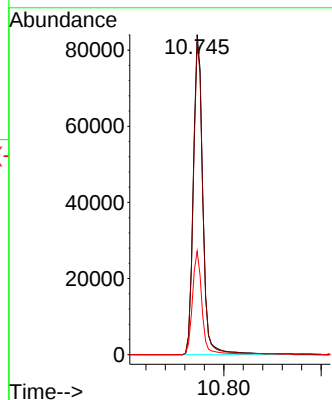


#42
2,4,6-Tribromophenol
Concen: 80.524 ng
RT: 10.745 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

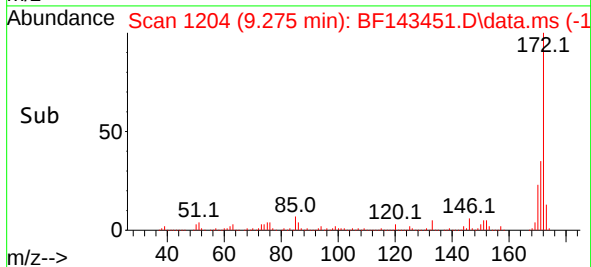
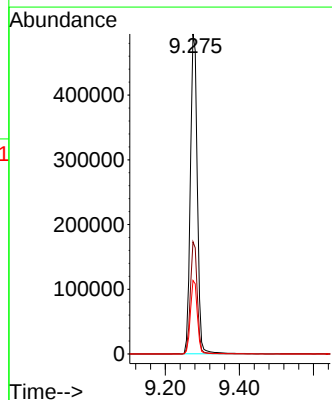
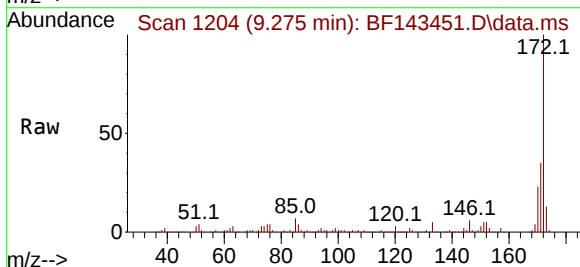


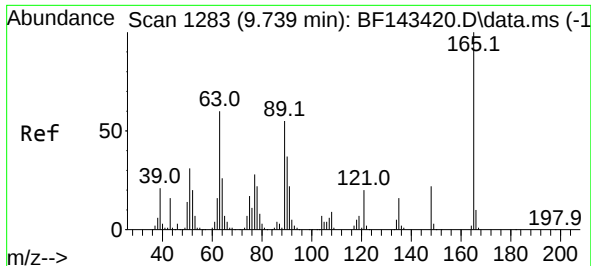
Tgt Ion:330 Resp: 114676
Ion Ratio Lower Upper
330 100
332 97.1 77.4 116.2
141 32.2 24.1 36.1



#45
2-Fluorobiphenyl
Concen: 67.453 ng
RT: 9.275 min Scan# 1204
Delta R.T. -0.006 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion:172 Resp: 641653
Ion Ratio Lower Upper
172 100
171 35.1 28.7 43.1
170 23.0 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 10.360 ng

RT: 9.957 min Scan# 11

Delta R.T. 0.218 min

Lab File: BF143451.D

Acq: 19 Aug 2025 12:33

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP03-081425

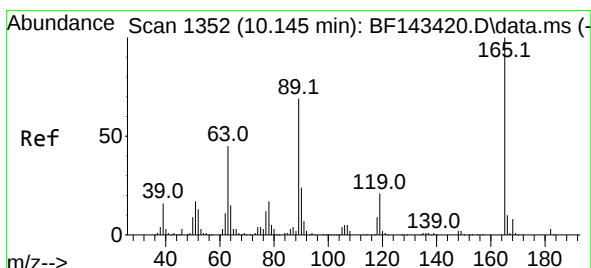
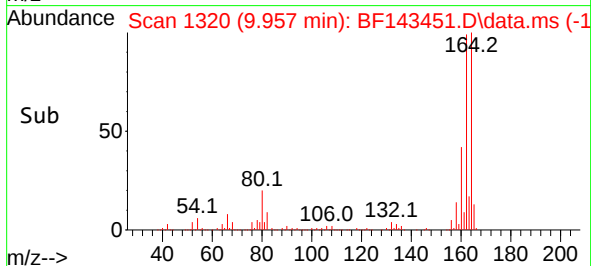
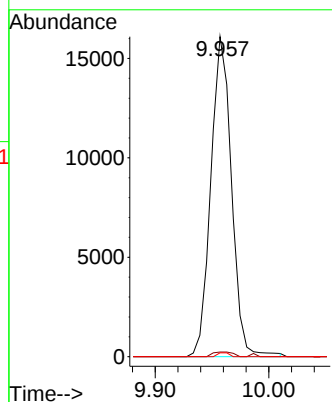
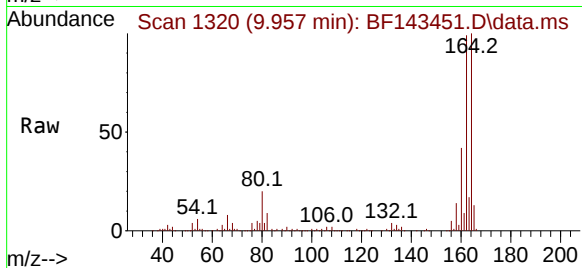
Tgt Ion:165 Resp: 20373

Ion Ratio Lower Upper

165 100

63 1.5 48.2 72.2#

89 1.2 44.2 66.2#



#57

2,4-Dinitrotoluene

Concen: 7.771 ng

RT: 9.957 min Scan# 1320

Delta R.T. -0.188 min

Lab File: BF143451.D

Acq: 19 Aug 2025 12:33

Tgt Ion:165 Resp: 20374

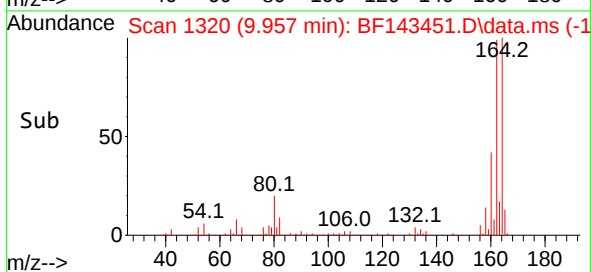
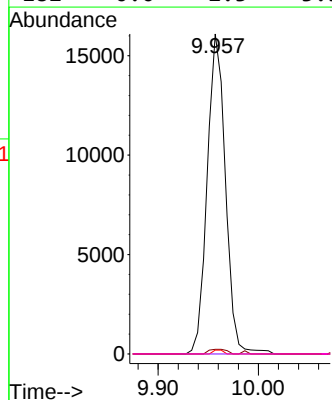
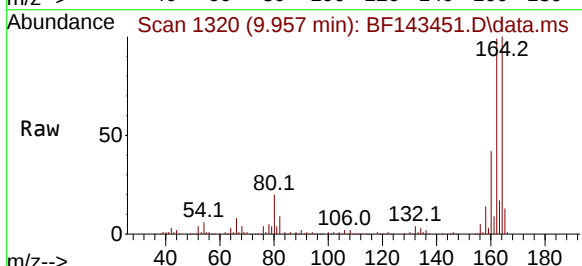
Ion Ratio Lower Upper

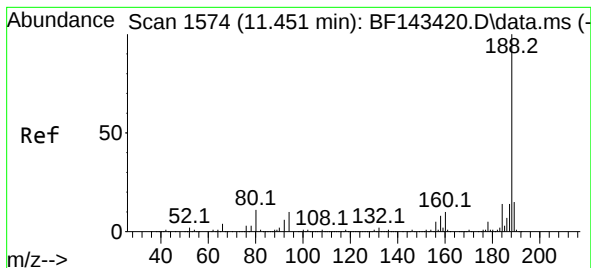
165 100

63 1.5 37.0 55.6#

89 1.2 55.4 83.0#

182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.445 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143451.D

Acq: 19 Aug 2025 12:33

Instrument :

BNA_F

ClientSampleId :

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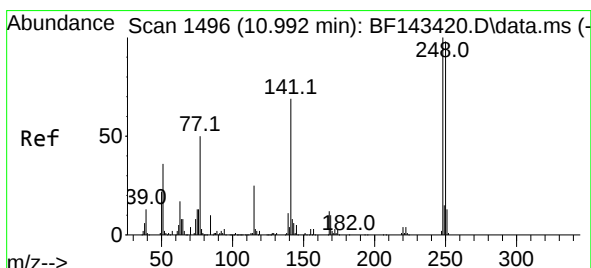
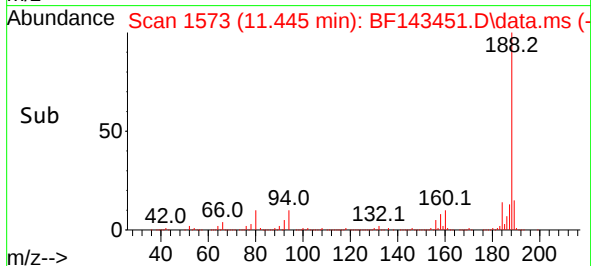
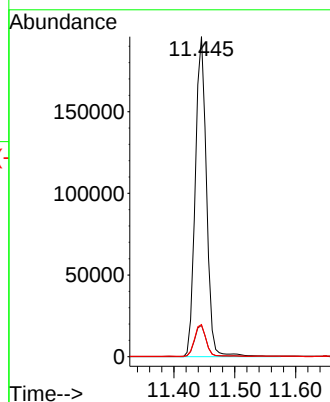
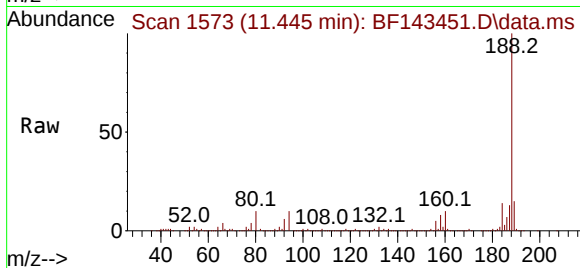
Tgt Ion:188 Resp: 250451

Ion Ratio Lower Upper

188 100

94 9.8 8.0 12.0

80 10.0 8.6 12.8



#67

4-Bromophenyl-phenylether

Concen: 2.530 ng

RT: 10.745 min Scan# 1454

Delta R.T. -0.247 min

Lab File: BF143451.D

Acq: 19 Aug 2025 12:33

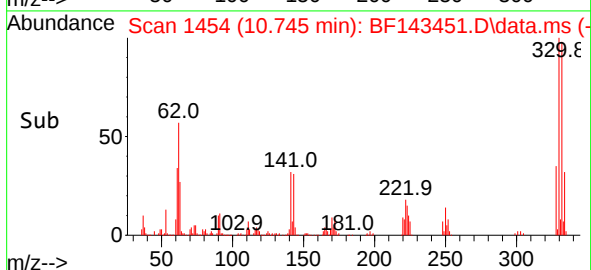
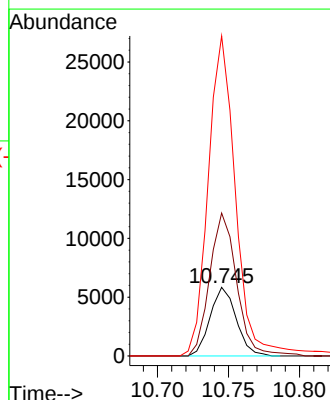
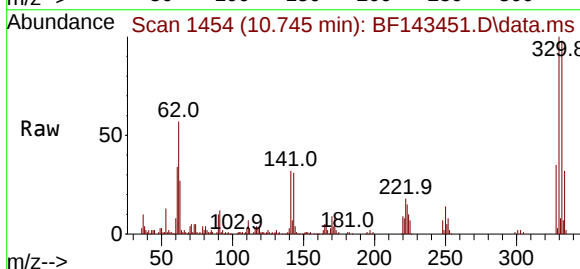
Tgt Ion:248 Resp: 7482

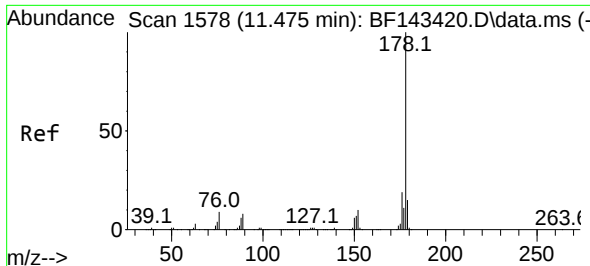
Ion Ratio Lower Upper

248 100

250 208.2 78.6 118.0#

141 466.3 54.9 82.3#

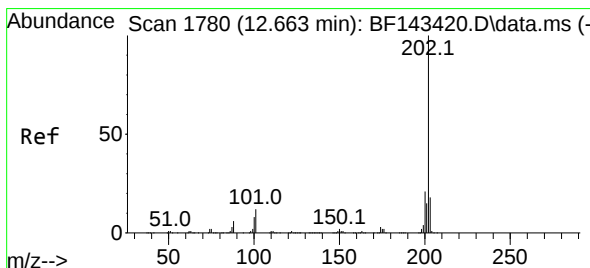
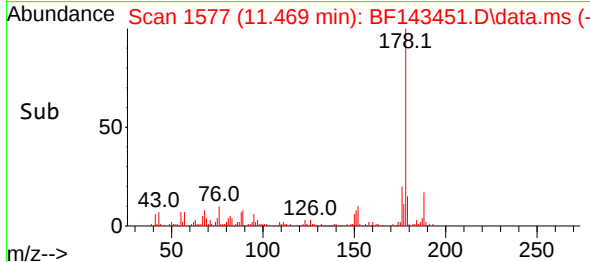
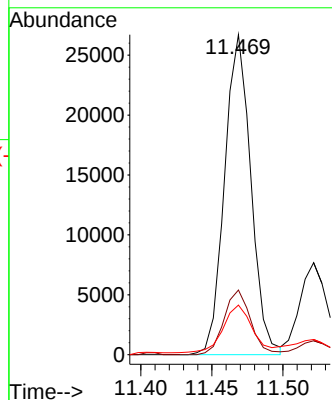
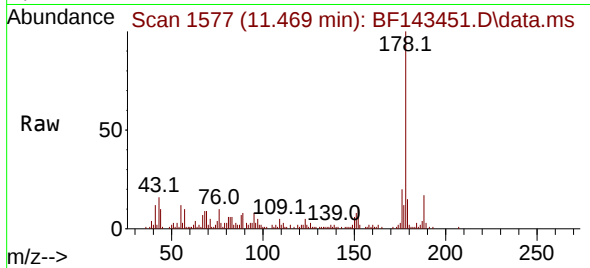




#71
Phenanthrene
Concen: 2.536 ng
RT: 11.469 min Scan# 11779
Delta R.T. -0.006 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

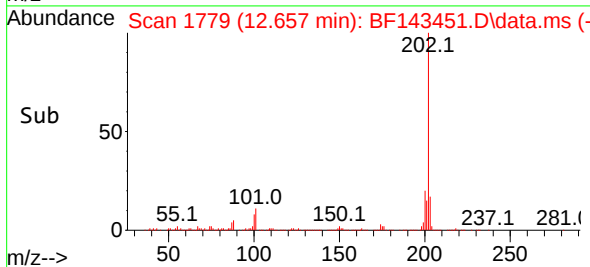
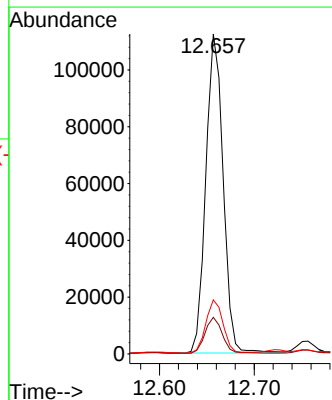
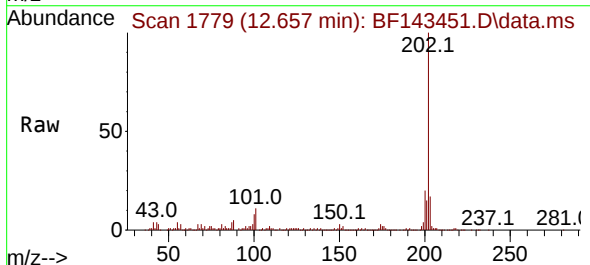
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

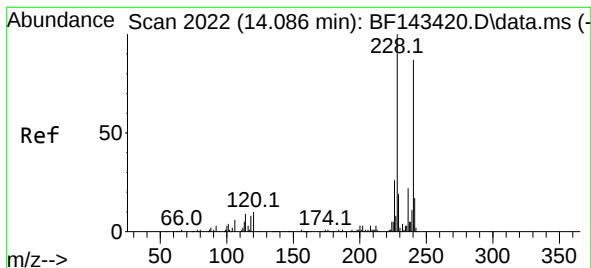
Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.4	23.0
179	15.5	12.3	18.5



#75
Fluoranthene
Concen: 11.839 ng
RT: 12.657 min Scan# 1779
Delta R.T. -0.006 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.5
203	16.9	0.0	37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.086 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF143451.D

Acq: 19 Aug 2025 12:33

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP03-081425

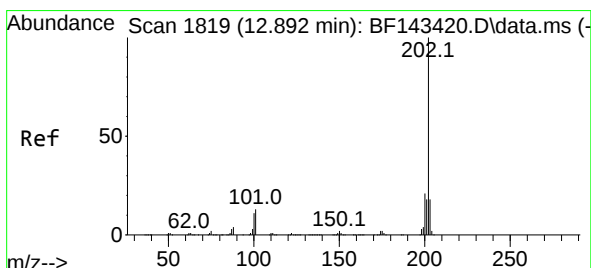
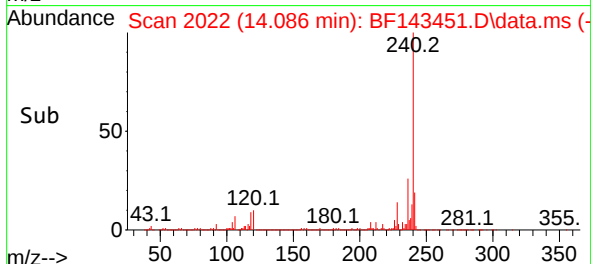
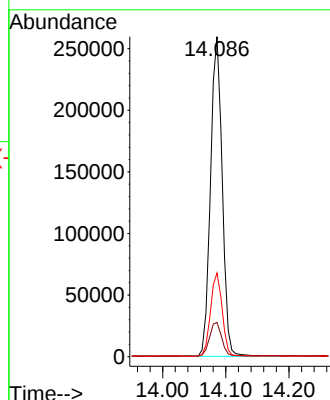
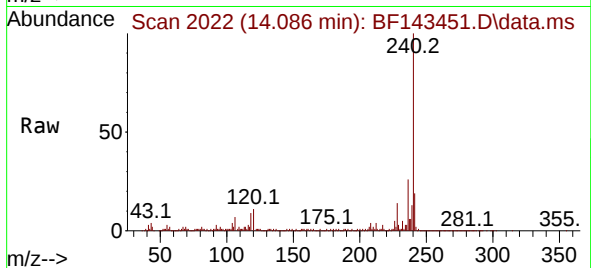
Tgt Ion:240 Resp: 332982

Ion Ratio Lower Upper

240 100

120 10.7 9.0 13.4

236 26.2 20.2 30.2



#78

Pyrene

Concen: 4.658 ng

RT: 12.886 min Scan# 1818

Delta R.T. -0.006 min

Lab File: BF143451.D

Acq: 19 Aug 2025 12:33

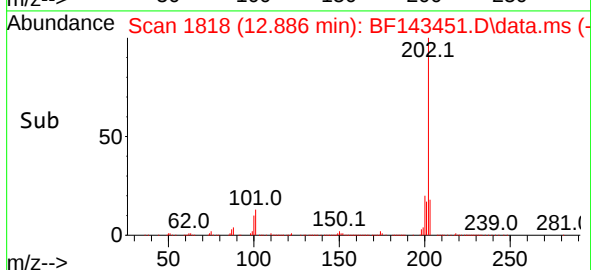
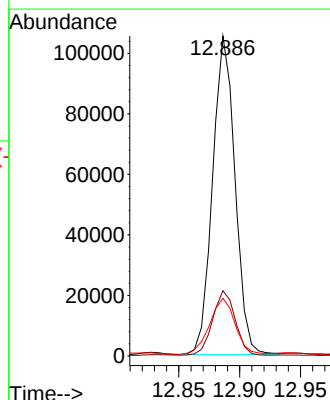
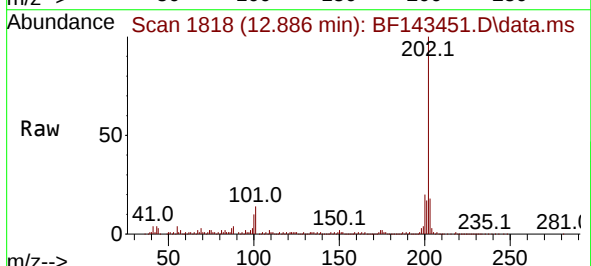
Tgt Ion:202 Resp: 134822

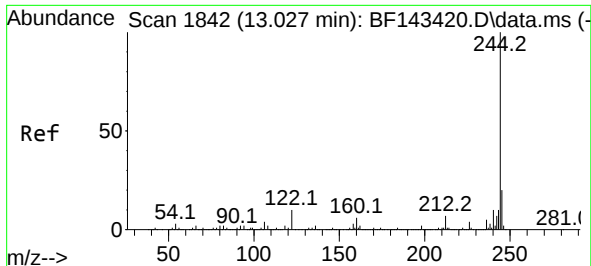
Ion Ratio Lower Upper

202 100

200 20.4 17.1 25.7

203 18.1 14.2 21.2

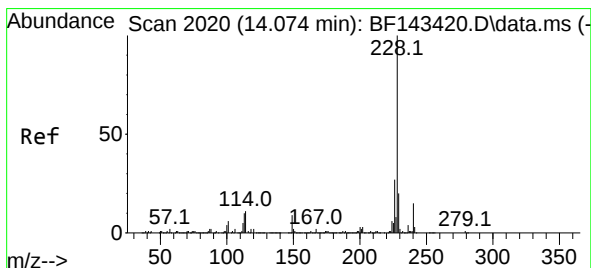
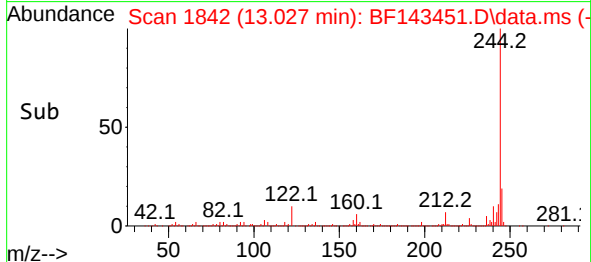
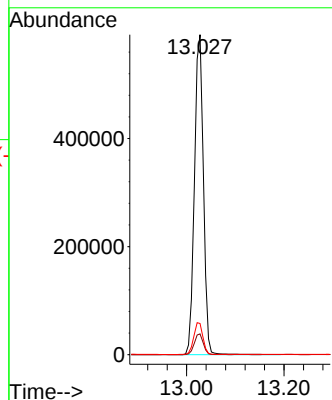
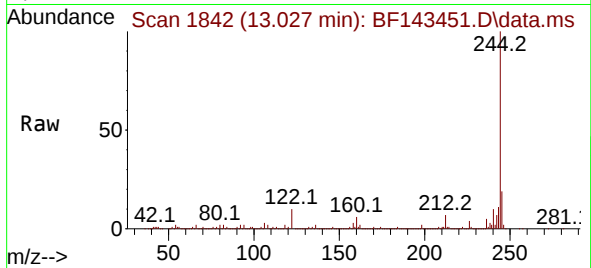




#79
 Terphenyl-d14
 Concen: 38.426 ng
 RT: 13.027 min Scan# 1842
 Delta R.T. -0.000 min
 Lab File: BF143451.D
 Acq: 19 Aug 2025 12:33

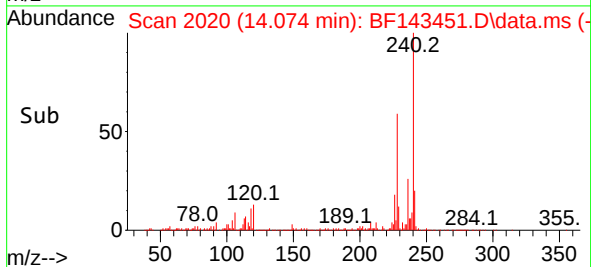
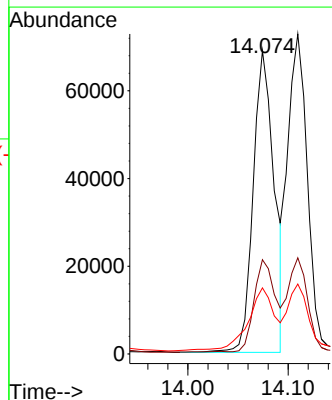
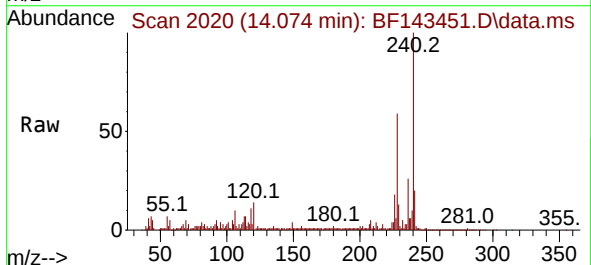
Instrument : BNA_F
 ClientSampleId : OU4-TS-GRILLO-TSCP03-081425

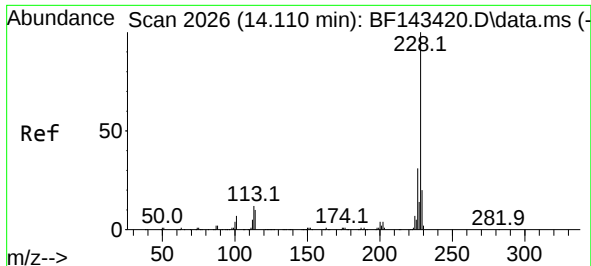
Tgt Ion:244 Resp: 761672
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.2 7.8
 122 9.8 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 4.728 ng
 RT: 14.074 min Scan# 2020
 Delta R.T. -0.000 min
 Lab File: BF143451.D
 Acq: 19 Aug 2025 12:33

Tgt Ion:228 Resp: 100221
 Ion Ratio Lower Upper
 228 100
 226 31.0 21.5 32.3
 229 21.8 15.7 23.5

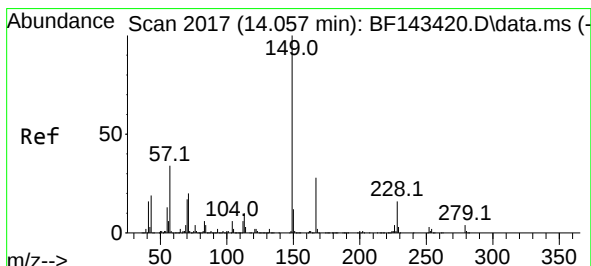
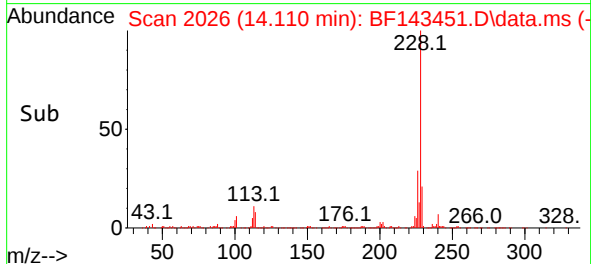
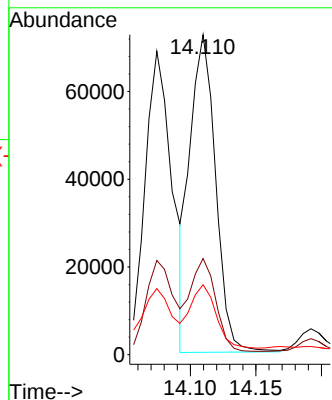
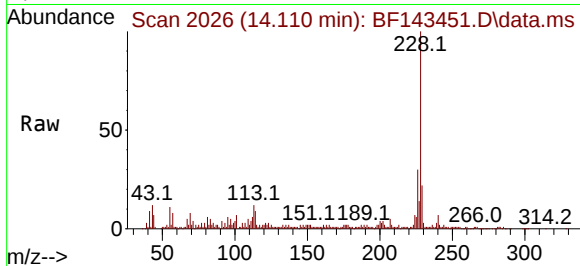




#83
Chrysene
Concen: 5.022 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

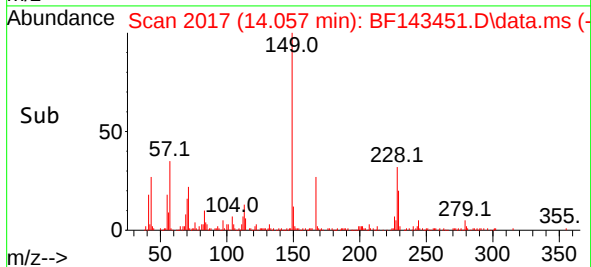
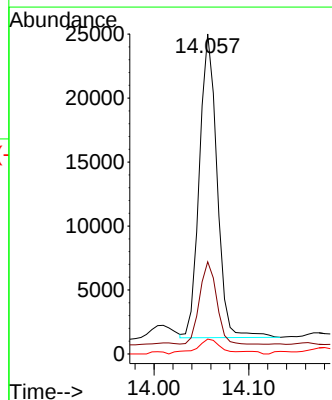
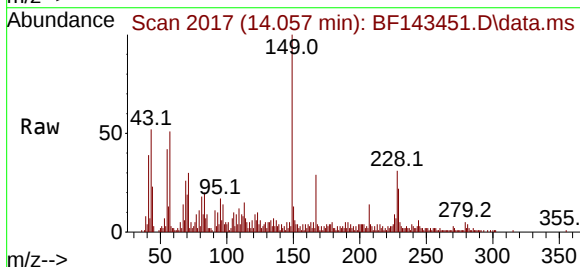
Instrument : BNA_F
ClientSampleId : OU4-TS-GRILLO-TSCP03-081425

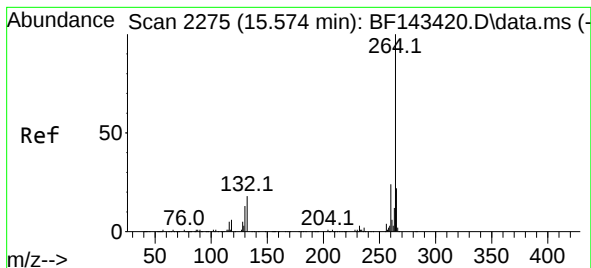
Tgt Ion:	228	Resp:	98423
Ion Ratio	Lower	Upper	
228	100		
226	30.1	24.3	36.5
229	21.8	16.1	24.1



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.023 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion:	149	Resp:	30771
Ion Ratio	Lower	Upper	
149	100		
167	28.8	22.6	33.8
279	4.7	3.5	5.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.574 min Scan# 2275

Delta R.T. -0.000 min

Lab File: BF143451.D

Acq: 19 Aug 2025 12:33

Instrument :

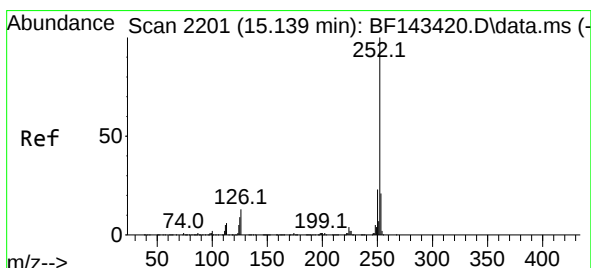
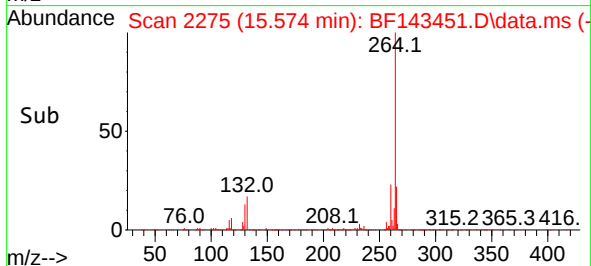
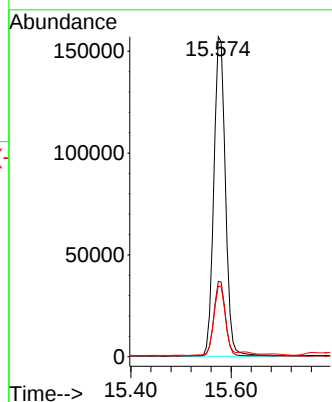
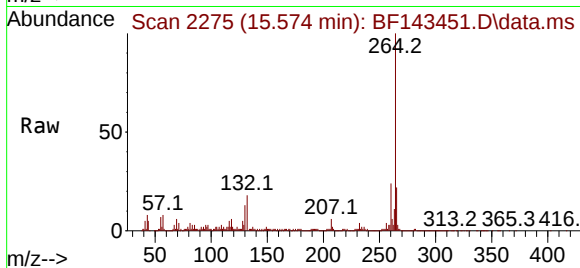
BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP03-081425

Tgt Ion:264 Resp: 251746

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.8	28.2
265	22.1	17.4	26.0



#88

Benzo(b)fluoranthene

Concen: 12.080 ng

RT: 15.139 min Scan# 2201

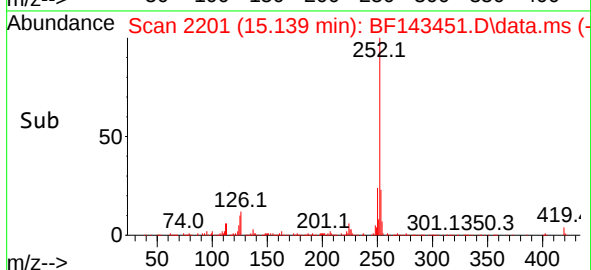
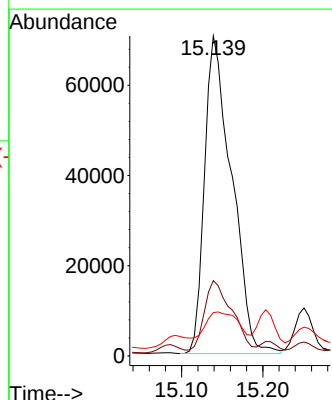
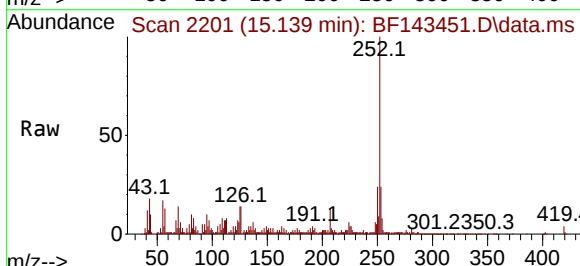
Delta R.T. -0.000 min

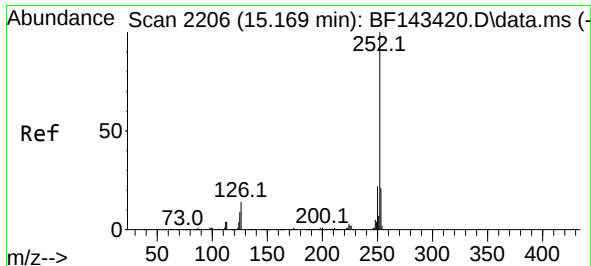
Lab File: BF143451.D

Acq: 19 Aug 2025 12:33

Tgt Ion:252 Resp: 162994

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	13.6	7.5	11.3





#89

Benzo(k)fluoranthene

Concen: 12.248 ng

RT: 15.139 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF143451.D

Acq: 19 Aug 2025 12:33

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP03-081425

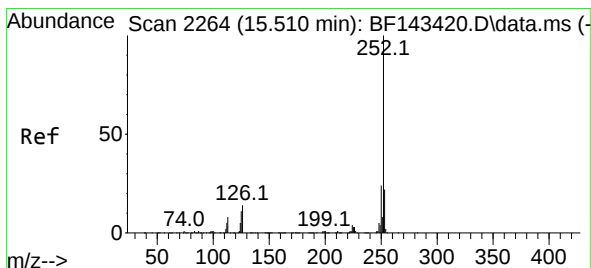
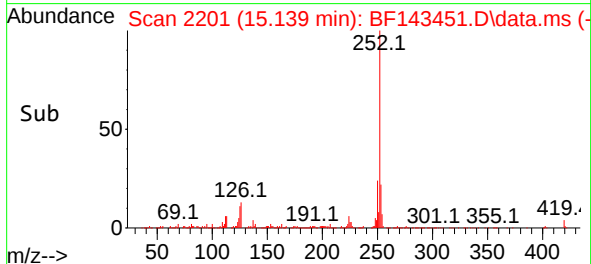
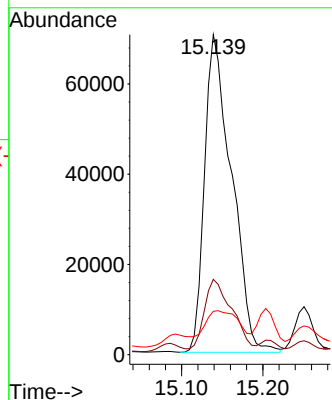
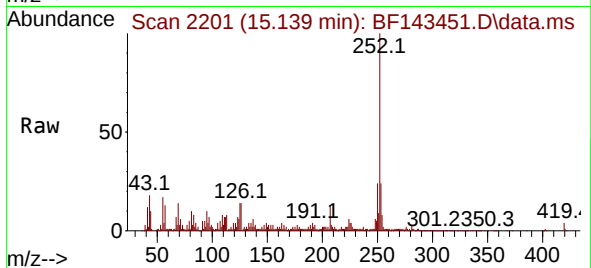
Tgt Ion:252 Resp: 162994

Ion Ratio Lower Upper

252 100

253 23.5 17.2 25.8

125 13.6 7.4 11.2#



#90

Benzo(a)pyrene

Concen: 5.330 ng

RT: 15.515 min Scan# 2265

Delta R.T. 0.006 min

Lab File: BF143451.D

Acq: 19 Aug 2025 12:33

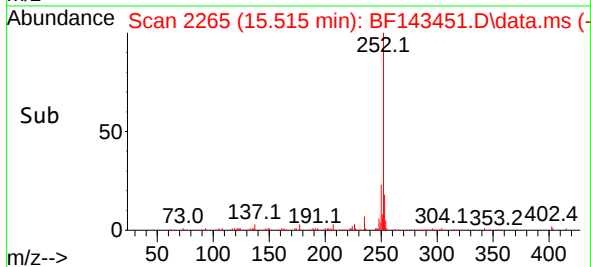
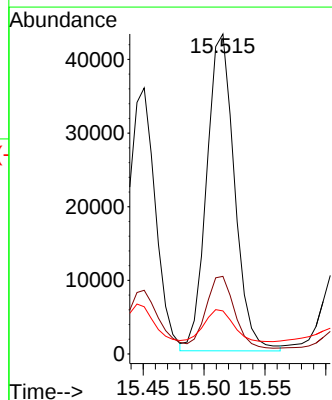
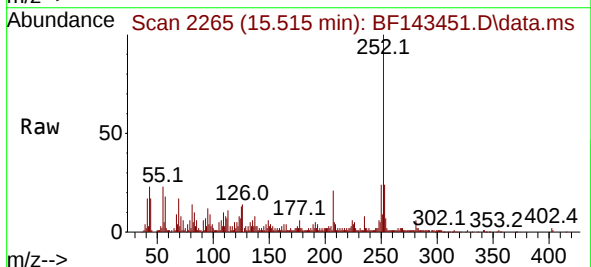
Tgt Ion:252 Resp: 68496

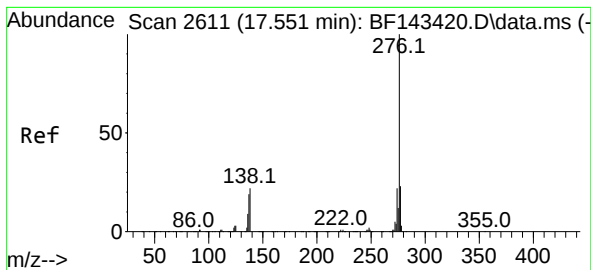
Ion Ratio Lower Upper

252 100

253 24.3 17.4 26.2

125 13.5 8.6 12.8#





#92

Benzo(g,h,i)perylene

Concen: 2.282 ng

RT: 17.562 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF143451.D

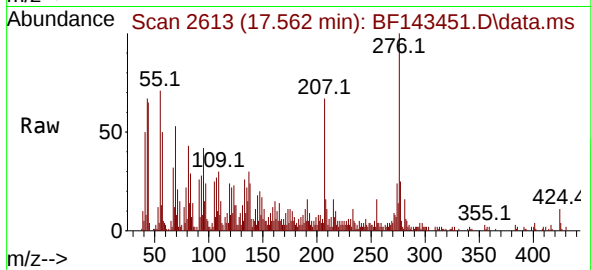
Acq: 19 Aug 2025 12:33

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP03-081425



Tgt Ion:276 Resp: 34558

Ion Ratio Lower Upper

276 100

277 25.2 18.7 28.1

138 24.2 17.5 26.3

