

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
 Data File : BF143457.D
 Acq On : 19 Aug 2025 15:26
 Operator : RC/JU
 Sample : Q2879-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP09-081425

Quant Time: Aug 19 16:02:18 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)

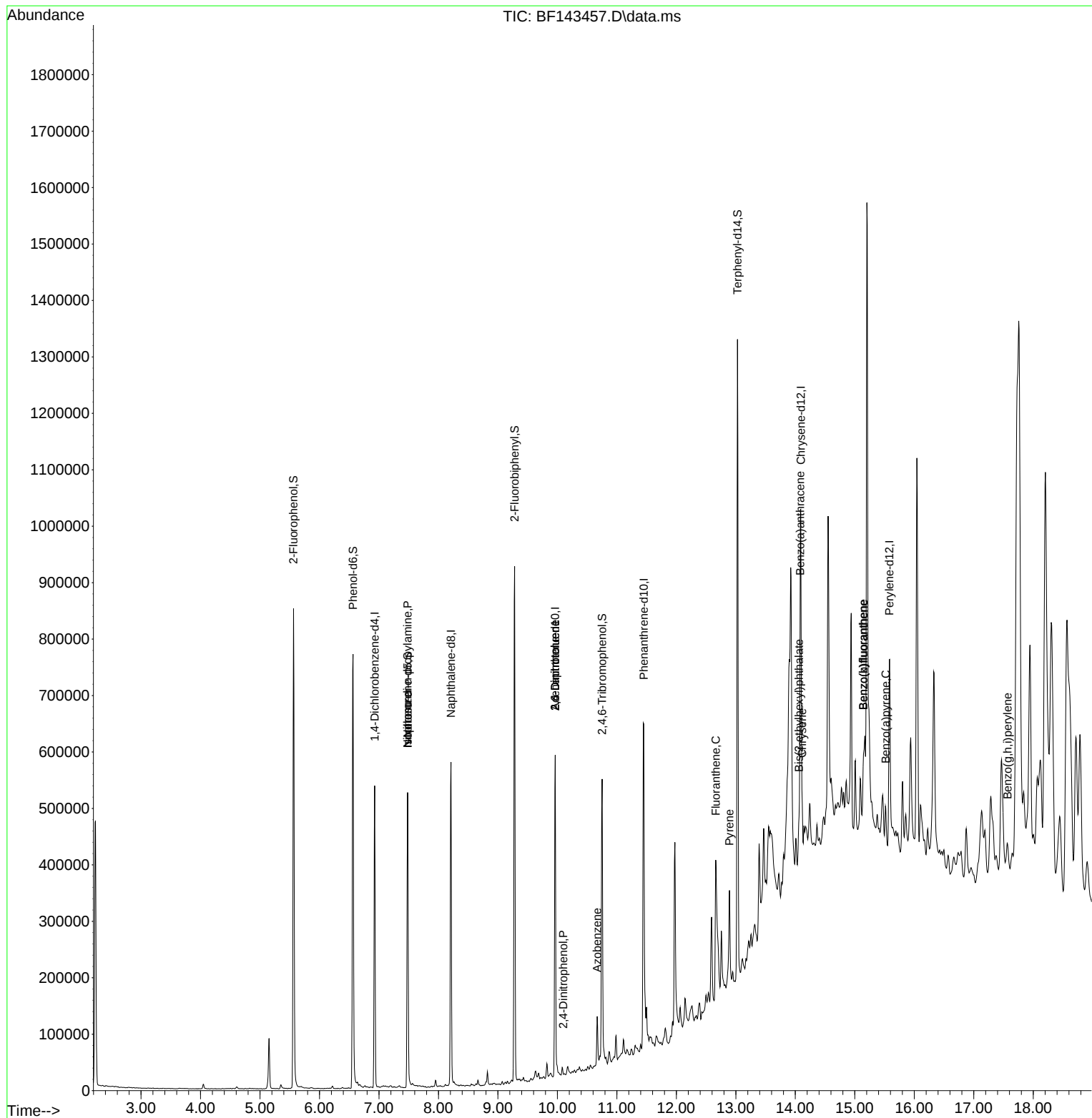
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	111617	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	365896	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	170198	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	303592	20.000	ng	0.00
76) Chrysene-d12	14.092	240	288545	20.000	ng	0.00
86) Perylene-d12	15.580	264	189932	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	314188	48.932	ng	0.00
7) Phenol-d6	6.563	99	363868	44.967	ng	0.00
23) Nitrobenzene-d5	7.481	82	223108	36.182	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	86970	57.410	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	406883	40.210	ng	0.00
79) Terphenyl-d14	13.027	244	544243	31.685	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	29185	5.826	ng	# 80
25) Isophorone	7.481	82	217205	18.405	ng	# 65
51) 2,6-Dinitrotoluene	9.963	165	22381	10.700	ng	# 24
54) 2,4-Dinitrophenol	10.098	184	185	5.948	ng	# 17
57) 2,4-Dinitrotoluene	9.963	165	22774	8.166	ng	# 25
63) Azobenzene	10.669	77	19969	2.015	ng	# 1
75) Fluoranthene	12.663	202	108913	7.456	ng	100
78) Pyrene	12.892	202	97658	3.894	ng	99
81) Benzo(a)anthracene	14.080	228	69261	3.770	ng	92
83) Chrysene	14.116	228	60557	3.566	ng	97
84) Bis(2-ethylhexyl)phtha...	14.063	149	27243	3.088	ng	# 97
88) Benzo(b)fluoranthene	15.145	252	82747	8.129	ng	# 88
89) Benzo(k)fluoranthene	15.145	252	82747	8.241	ng	# 88
90) Benzo(a)pyrene	15.521	252	36895	3.805	ng	# 89
92) Benzo(g,h,i)perylene	17.568	276	25410	2.224	ng	# 87

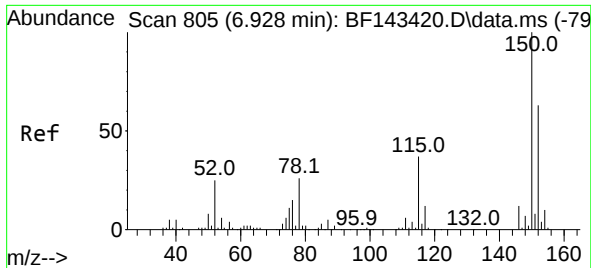
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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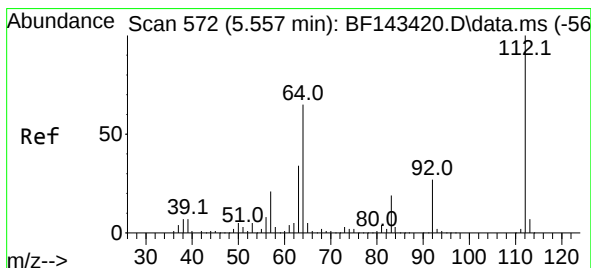
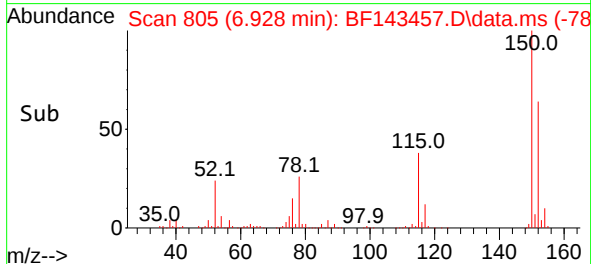
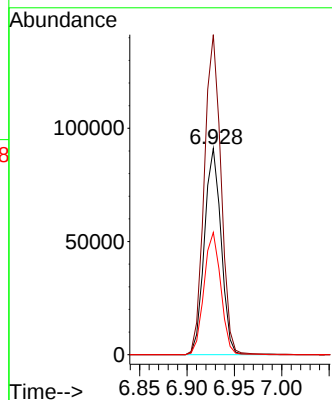
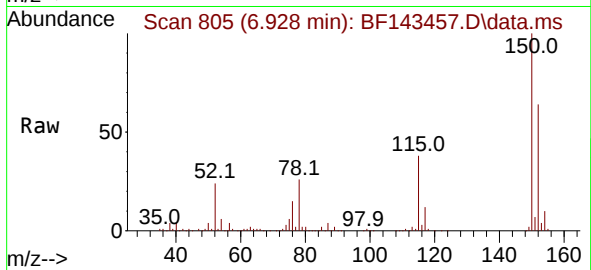




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF143457.D
 Acq: 19 Aug 2025 15:26

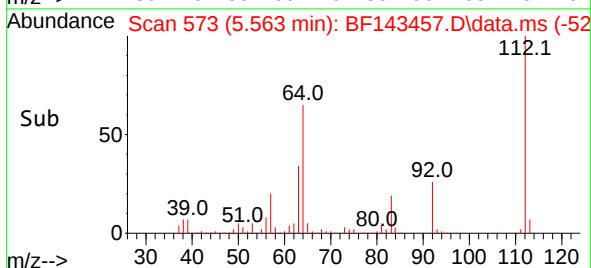
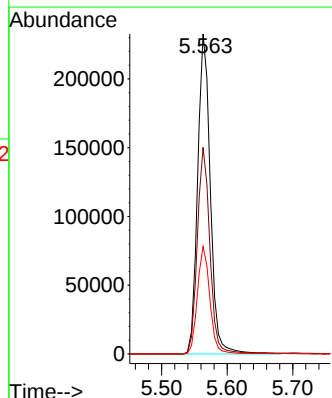
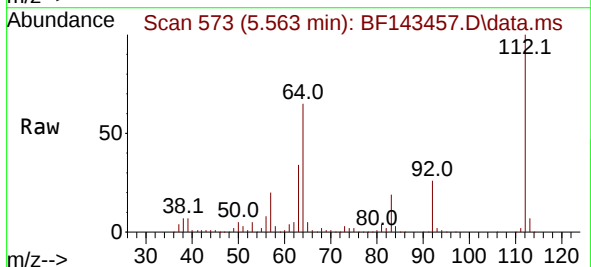
Instrument :
 BNA_F
 ClientSampleId :
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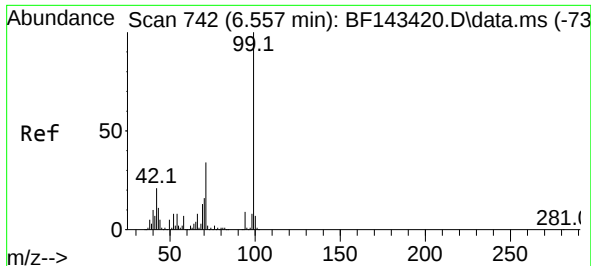
Tgt Ion:152 Resp: 111617
 Ion Ratio Lower Upper
 152 100
 150 155.2 127.4 191.2
 115 59.3 47.5 71.3



#5
 2-Fluorophenol
 Concen: 48.932 ng
 RT: 5.563 min Scan# 573
 Delta R.T. 0.006 min
 Lab File: BF143457.D
 Acq: 19 Aug 2025 15:26

Tgt Ion:112 Resp: 314188
 Ion Ratio Lower Upper
 112 100
 64 64.6 52.2 78.2
 63 33.5 27.0 40.6

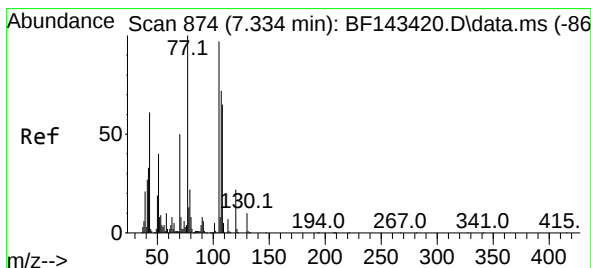
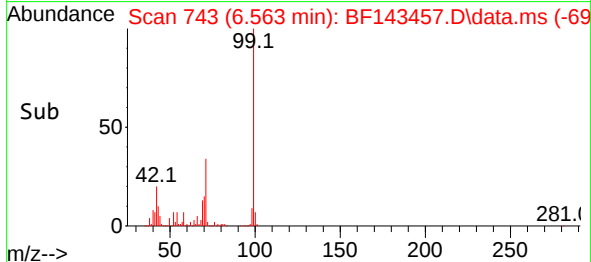
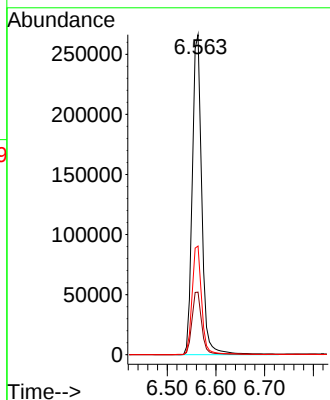
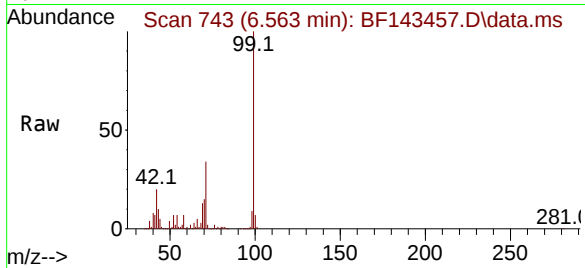




#7
Phenol-d6
Concen: 44.967 ng
RT: 6.563 min Scan# 742
Delta R.T. 0.006 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

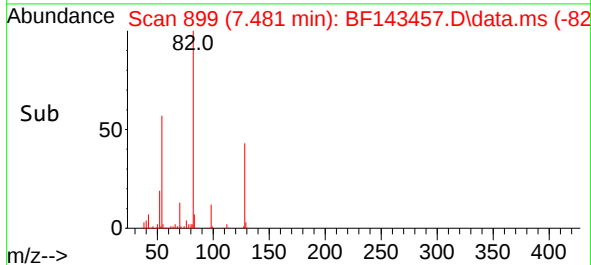
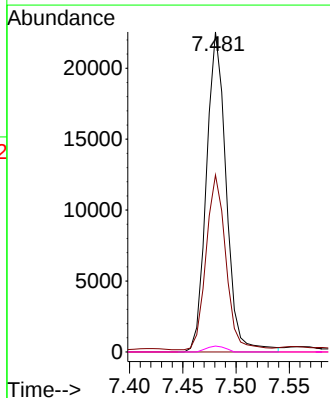
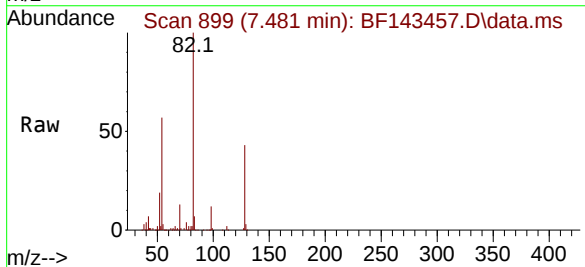
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

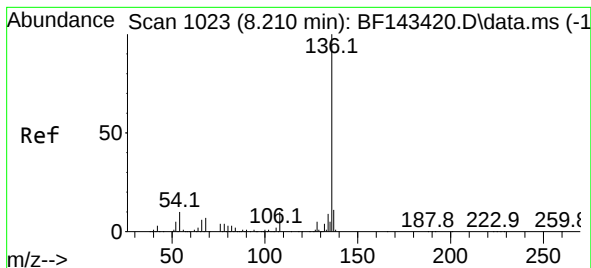
Tgt Ion: 99 Resp: 363868
Ion Ratio Lower Upper
99 100
42 19.6 17.0 25.6
71 34.0 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 5.826 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.147 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion: 70 Resp: 29185
Ion Ratio Lower Upper
70 100
42 55.3 52.5 78.7
101 0.0 7.9 11.9#
130 1.9 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: BF143457.D

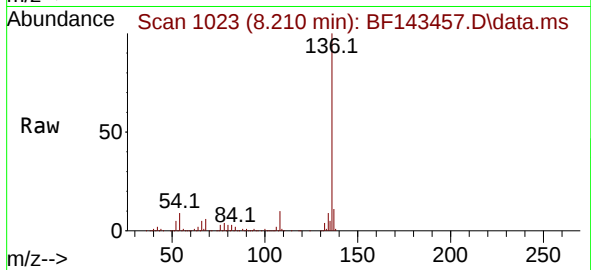
Acq: 19 Aug 2025 15:26

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP09-081425



Tgt Ion:136 Resp: 365896

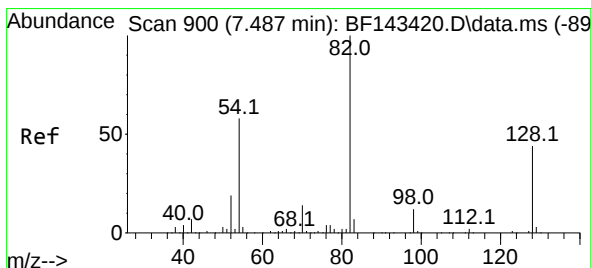
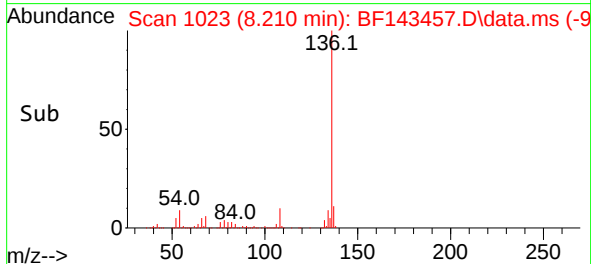
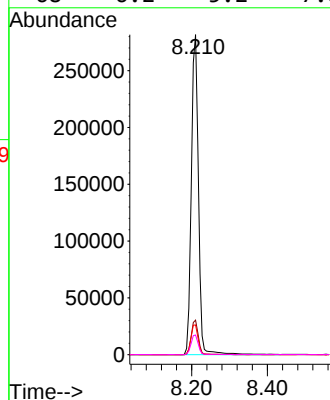
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 9.3 7.8 11.8

68 6.2 5.2 7.8



#23

Nitrobenzene-d5

Concen: 36.182 ng

RT: 7.481 min Scan# 899

Delta R.T. -0.006 min

Lab File: BF143457.D

Acq: 19 Aug 2025 15:26

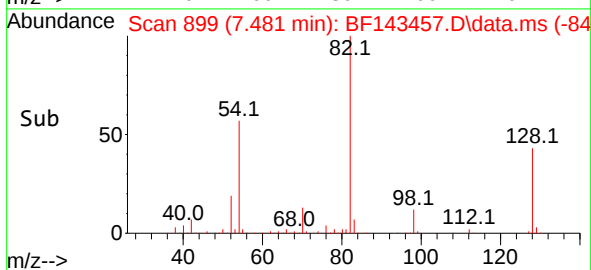
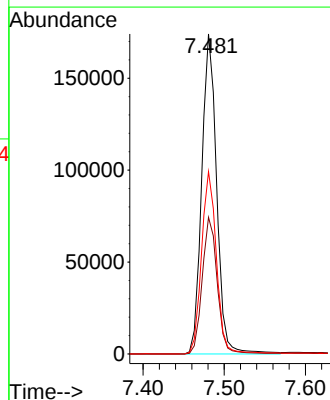
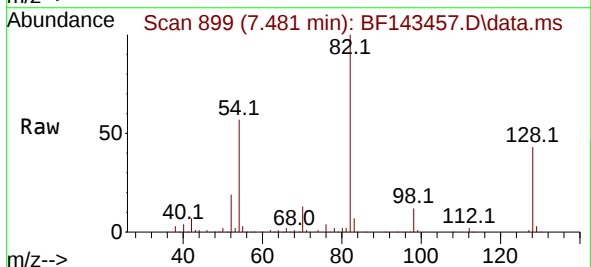
Tgt Ion: 82 Resp: 223108

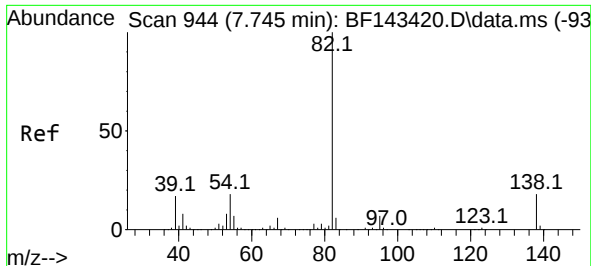
Ion Ratio Lower Upper

82 100

128 42.7 34.6 52.0

54 57.0 46.0 69.0

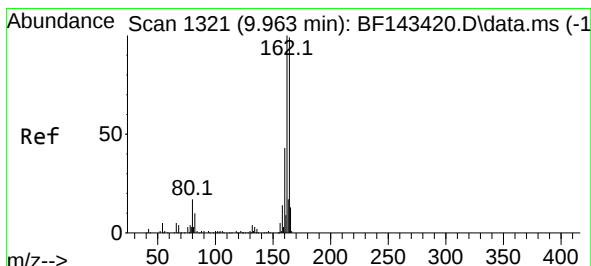
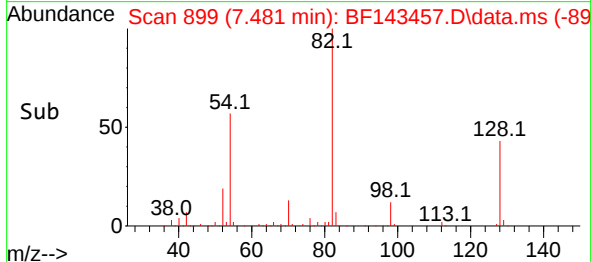
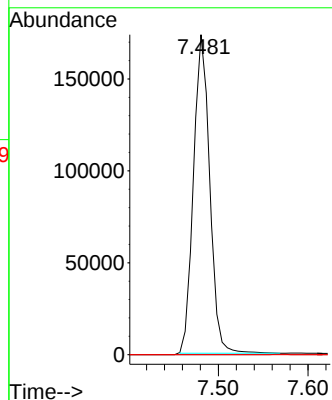
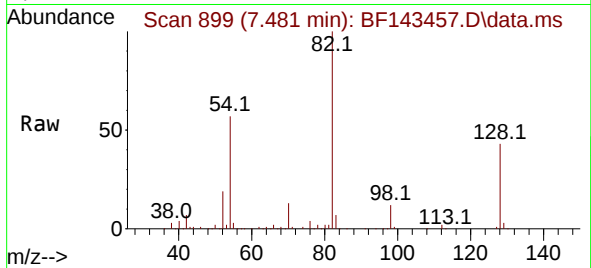




#25
Isophorone
Concen: 18.405 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.265 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

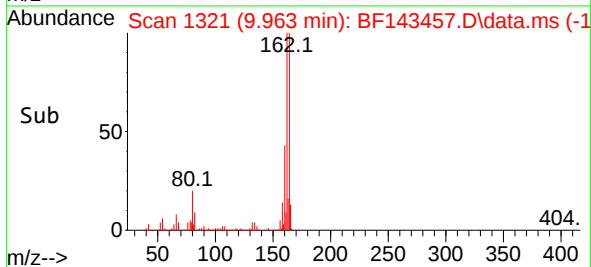
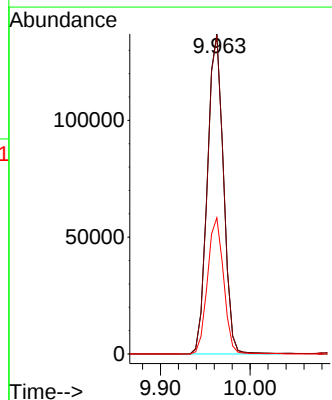
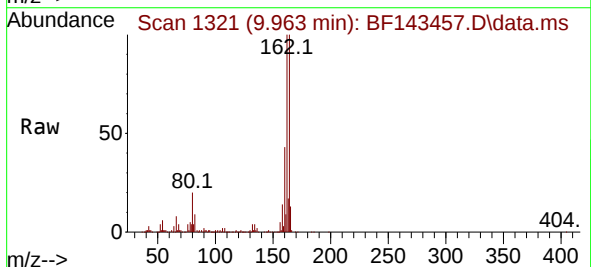
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

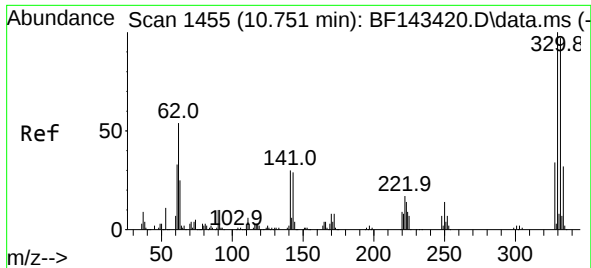
Tgt Ion: 82 Resp: 217205
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.3 21.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion:164 Resp: 170198
Ion Ratio Lower Upper
164 100
162 99.6 80.6 121.0
160 42.6 34.6 51.8

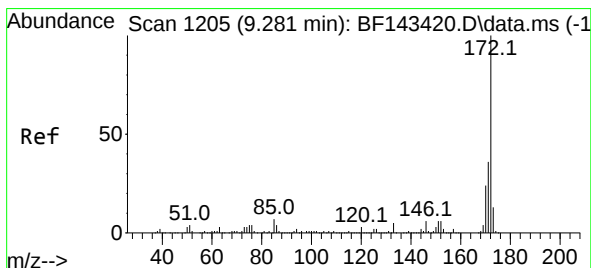
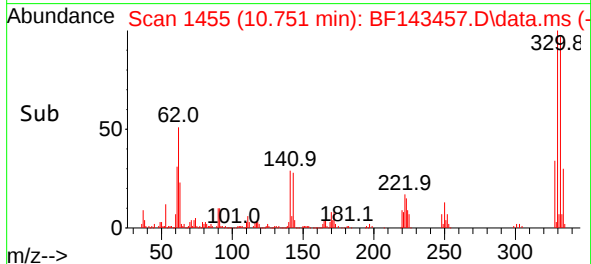
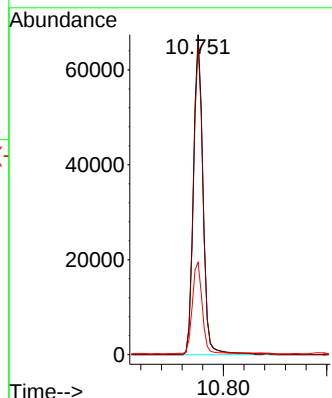
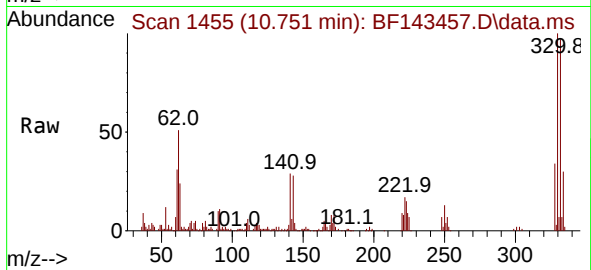




#42
2,4,6-Tribromophenol
Concen: 57.410 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

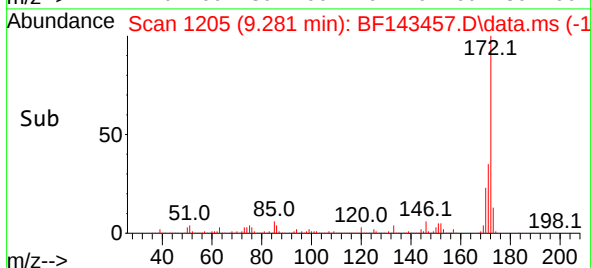
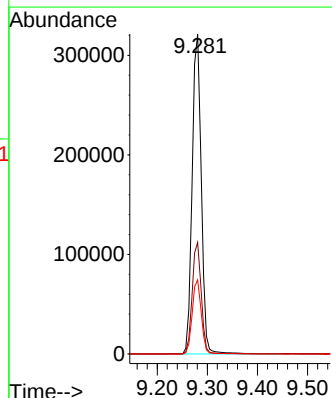
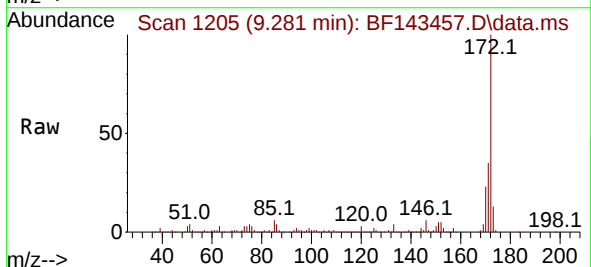
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BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

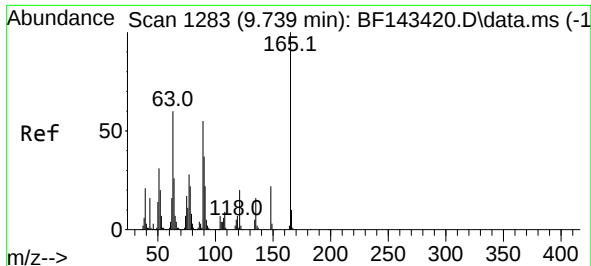
Tgt Ion:330 Resp: 86970
Ion Ratio Lower Upper
330 100
332 96.0 77.4 116.2
141 28.8 24.1 36.1



#45
2-Fluorobiphenyl
Concen: 40.210 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion:172 Resp: 406883
Ion Ratio Lower Upper
172 100
171 34.8 28.7 43.1
170 23.1 19.0 28.6

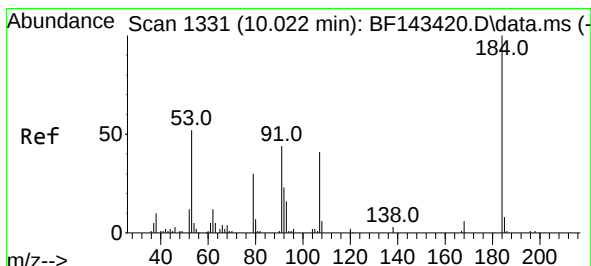
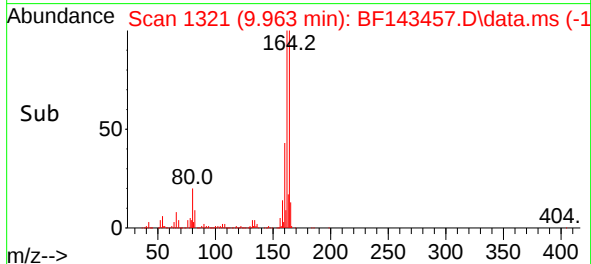
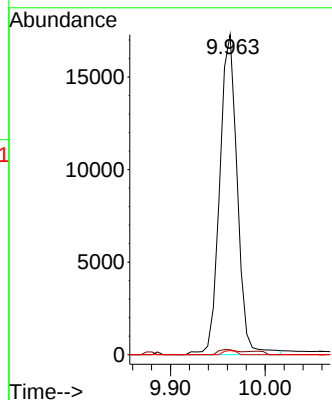
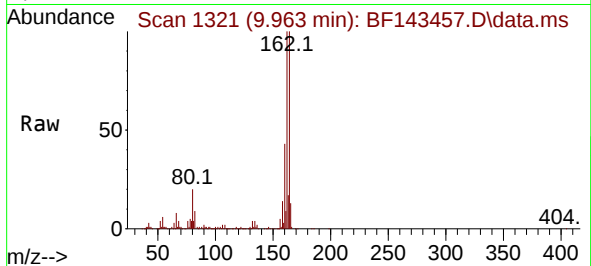




#51
2,6-Dinitrotoluene
Concen: 10.700 ng
RT: 9.963 min Scan# 11
Delta R.T. 0.223 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

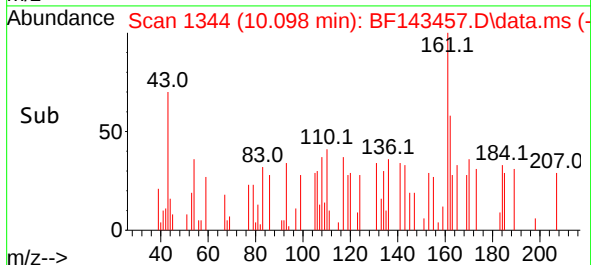
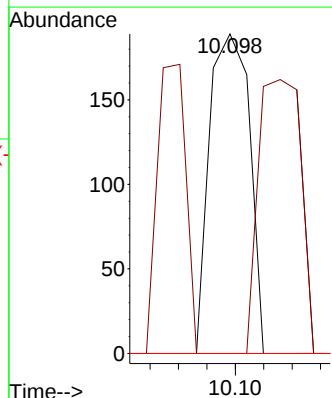
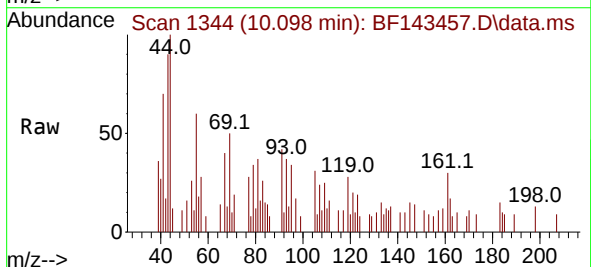
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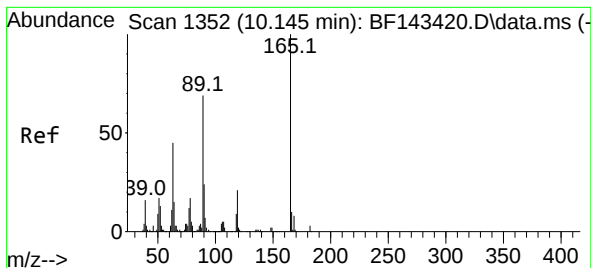
Tgt Ion:165 Resp: 22381
Ion Ratio Lower Upper
165 100
63 1.6 48.2 72.2#
89 1.3 44.2 66.2#



#54
2,4-Dinitrophenol
Concen: 5.948 ng
RT: 10.098 min Scan# 1344
Delta R.T. 0.076 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion:184 Resp: 185
Ion Ratio Lower Upper
184 100
63 0.0 53.2 79.8#
154 0.0 51.3 76.9#

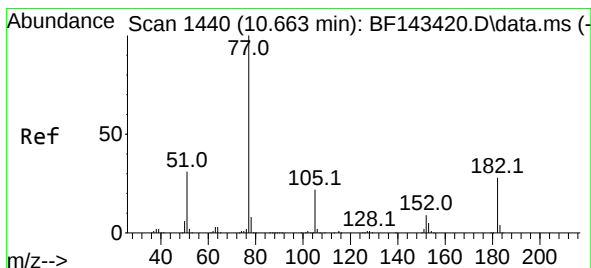
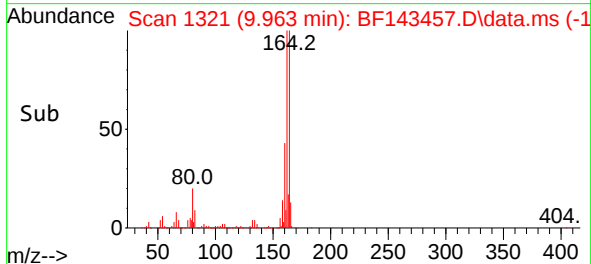
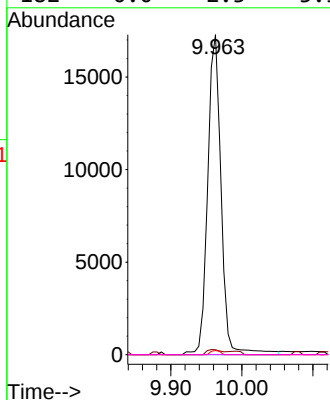
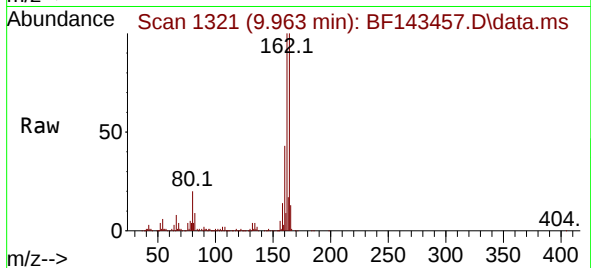




#57
2,4-Dinitrotoluene
Concen: 8.166 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.182 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

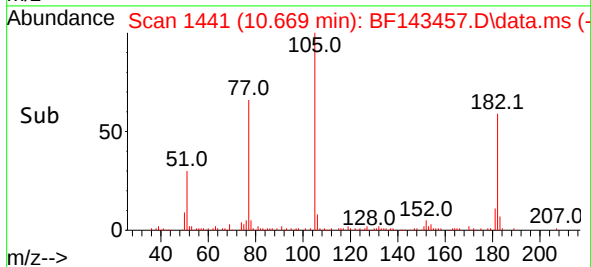
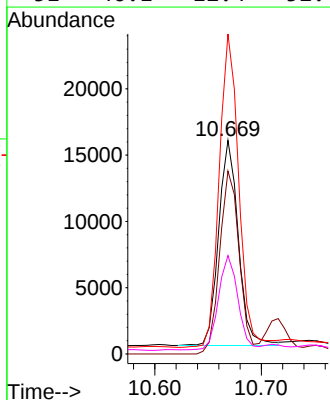
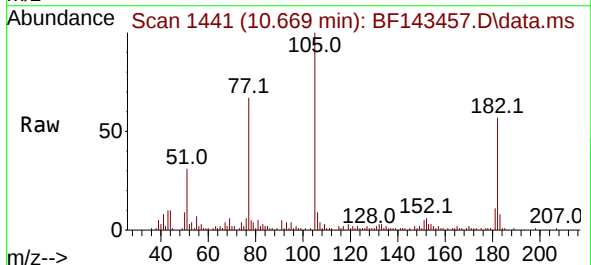
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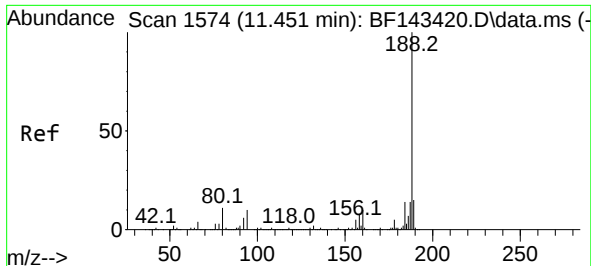
Tgt Ion:165 Resp: 22774
Ion Ratio Lower Upper
165 100
63 1.6 37.0 55.6#
89 1.3 55.4 83.0#
182 0.0 2.3 3.5#



#63
Azobenzene
Concen: 2.015 ng
RT: 10.669 min Scan# 1441
Delta R.T. 0.006 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion: 77 Resp: 19969
Ion Ratio Lower Upper
77 100
182 85.6 7.4 47.4#
105 149.8 1.7 41.7#
51 46.1 12.4 52.4

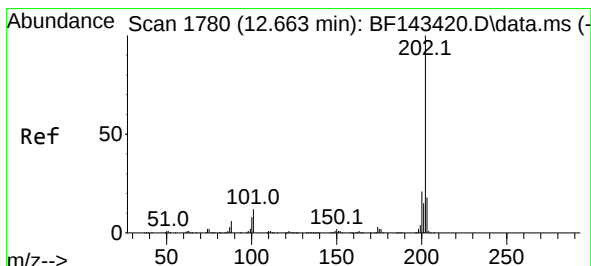
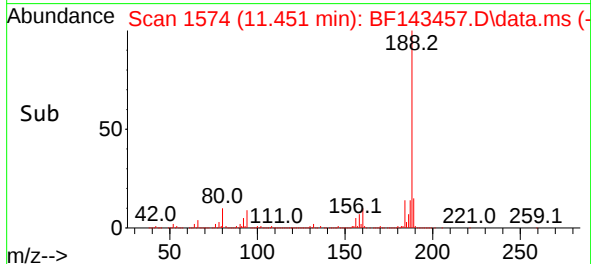
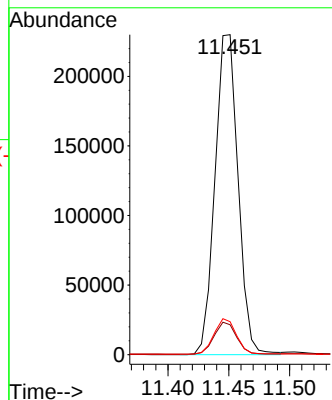
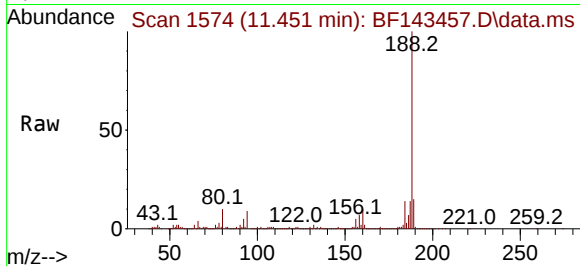




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

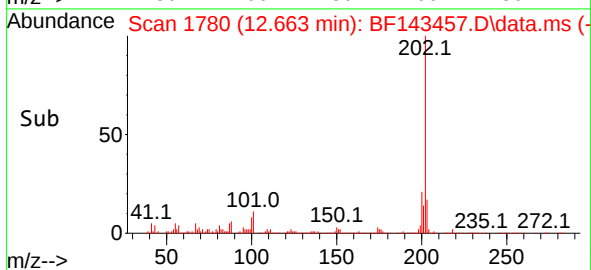
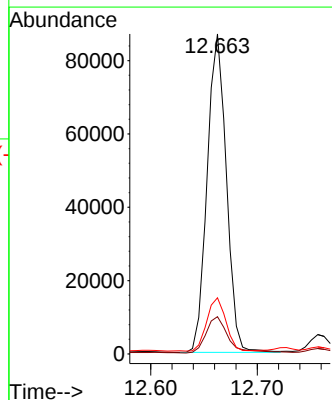
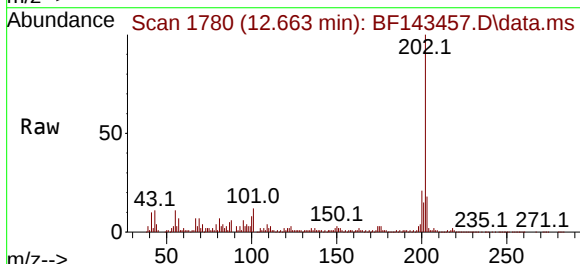
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

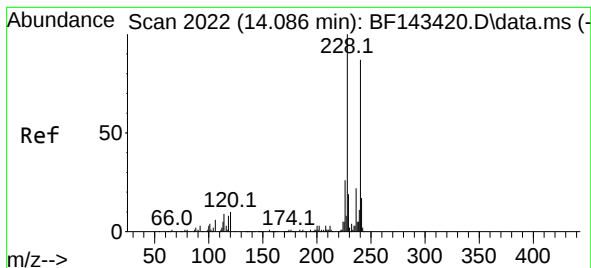
Tgt Ion:188 Resp: 303592
Ion Ratio Lower Upper
188 100
94 9.4 8.0 12.0
80 10.3 8.6 12.8



#75
Fluoranthene
Concen: 7.456 ng
RT: 12.663 min Scan# 1780
Delta R.T. -0.000 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion:202 Resp: 108913
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.5
203 17.5 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.092 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143457.D

Acq: 19 Aug 2025 15:26

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP09-081425

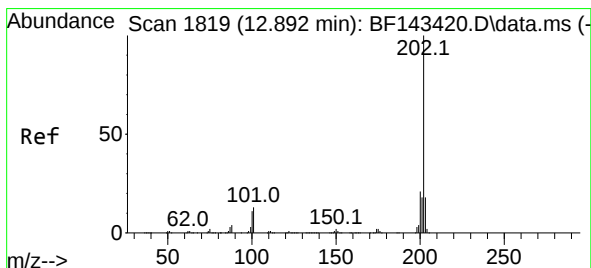
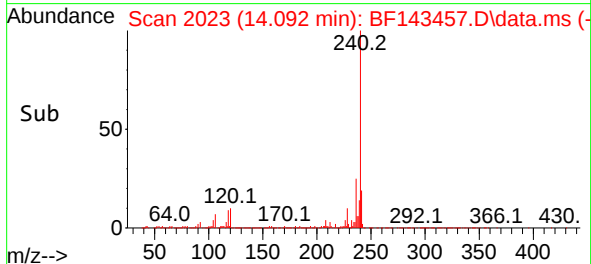
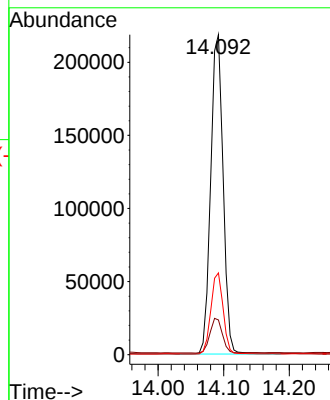
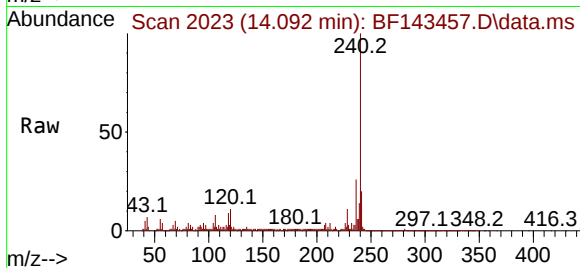
Tgt Ion:240 Resp: 288545

Ion Ratio Lower Upper

240 100

120 10.9 9.0 13.4

236 25.5 20.2 30.2



#78

Pyrene

Concen: 3.894 ng

RT: 12.892 min Scan# 1819

Delta R.T. -0.000 min

Lab File: BF143457.D

Acq: 19 Aug 2025 15:26

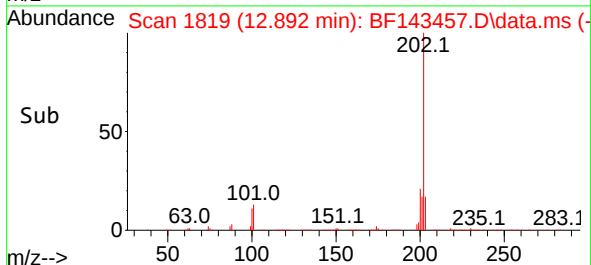
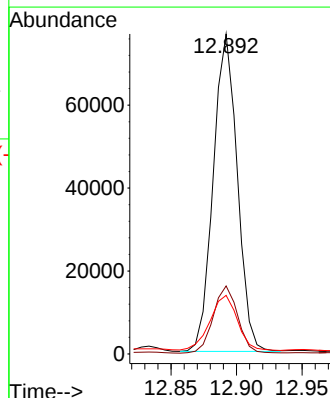
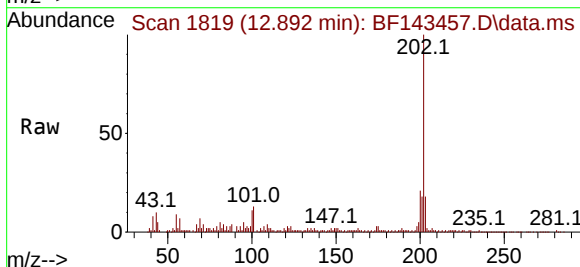
Tgt Ion:202 Resp: 97658

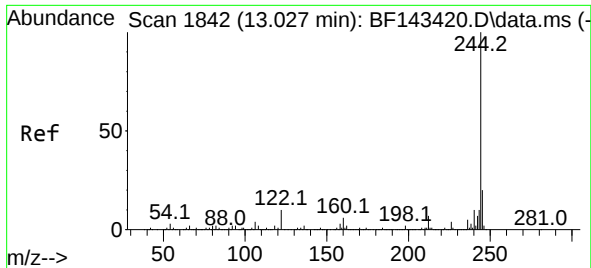
Ion Ratio Lower Upper

202 100

200 21.3 17.1 25.7

203 18.3 14.2 21.2

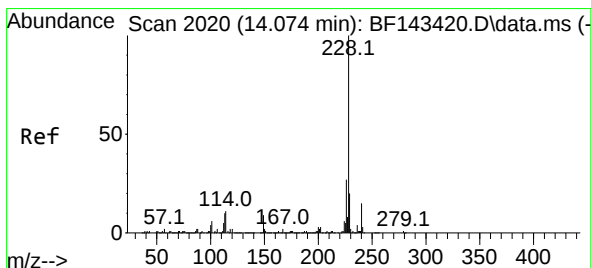
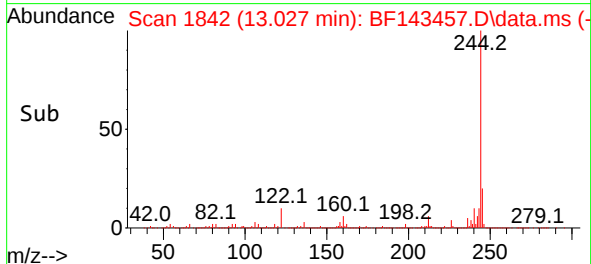
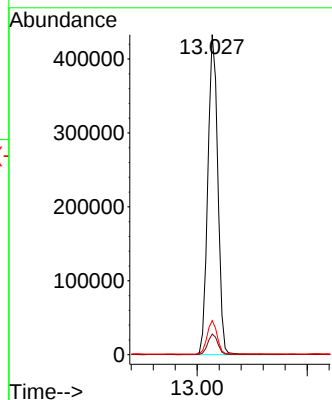
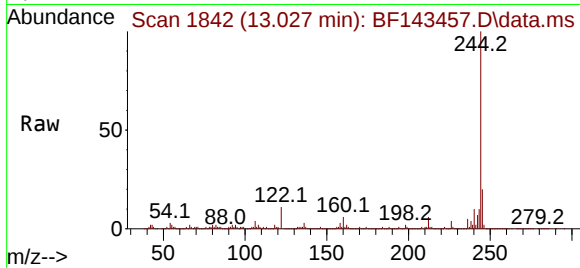




#79
 Terphenyl-d14
 Concen: 31.685 ng
 RT: 13.027 min Scan# 1842
 Delta R.T. -0.000 min
 Lab File: BF143457.D
 Acq: 19 Aug 2025 15:26

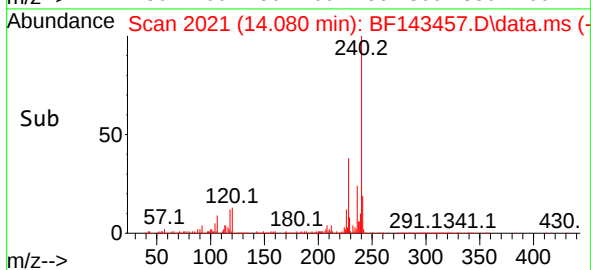
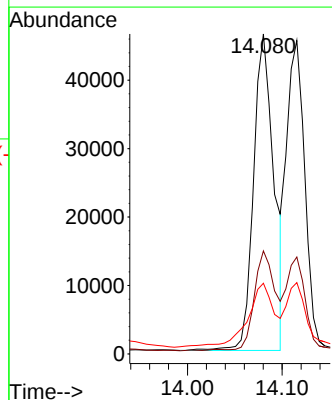
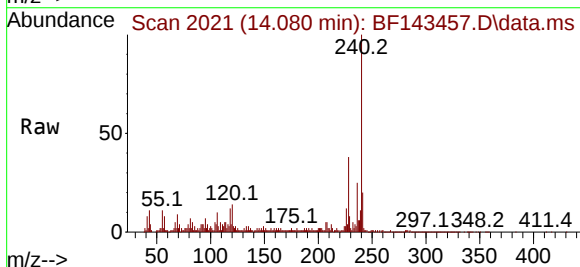
Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP09-081425

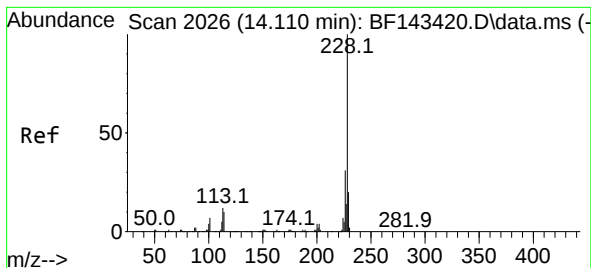
Tgt Ion:244 Resp: 544243
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.2 7.8
 122 10.6 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 3.770 ng
 RT: 14.080 min Scan# 2021
 Delta R.T. 0.006 min
 Lab File: BF143457.D
 Acq: 19 Aug 2025 15:26

Tgt Ion:228 Resp: 69261
 Ion Ratio Lower Upper
 228 100
 226 32.2 21.5 32.3
 229 22.1 15.7 23.5





#83

Chrysene

Concen: 3.566 ng

RT: 14.116 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143457.D

Acq: 19 Aug 2025 15:26

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP09-081425

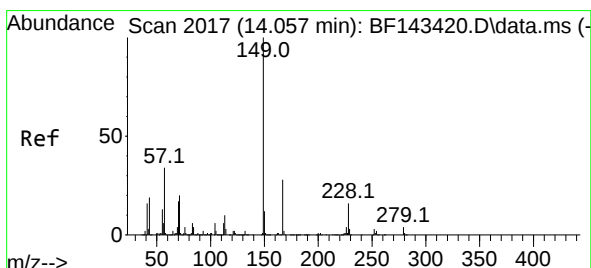
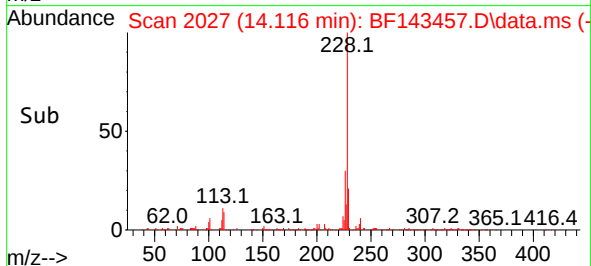
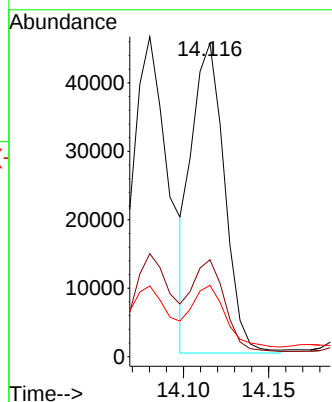
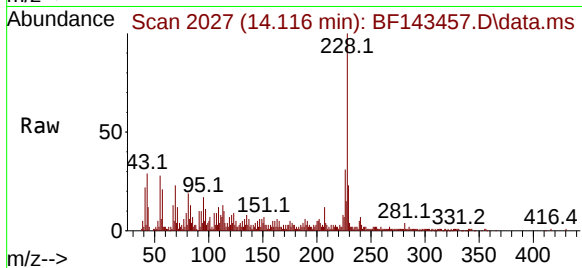
Tgt Ion:228 Resp: 60557

Ion Ratio Lower Upper

228 100

226 30.9 24.3 36.5

229 22.8 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.088 ng

RT: 14.063 min Scan# 2018

Delta R.T. 0.006 min

Lab File: BF143457.D

Acq: 19 Aug 2025 15:26

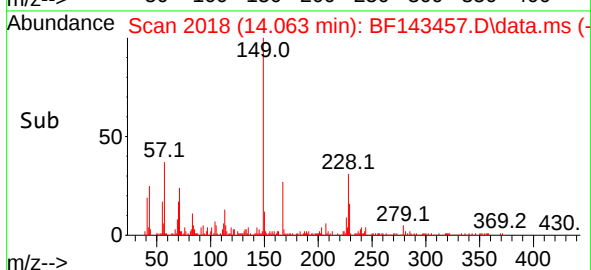
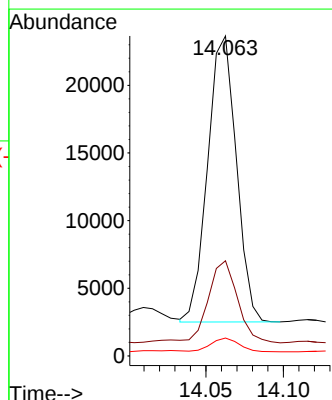
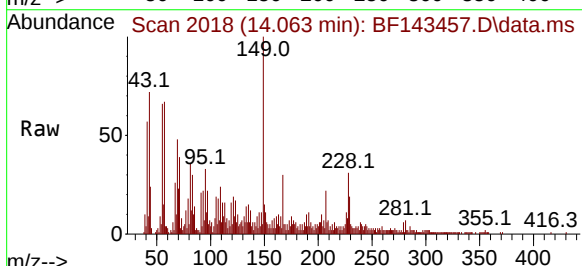
Tgt Ion:149 Resp: 27243

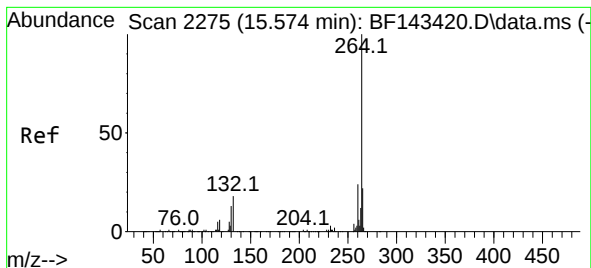
Ion Ratio Lower Upper

149 100

167 29.7 22.6 33.8

279 5.6 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: BF143457.D

Acq: 19 Aug 2025 15:26

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP09-081425

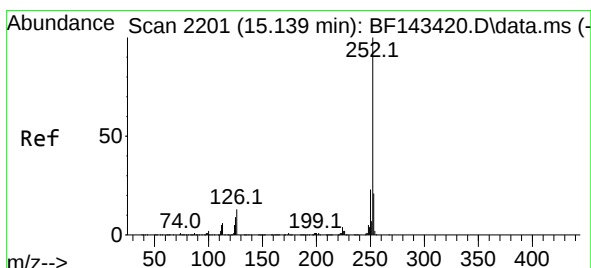
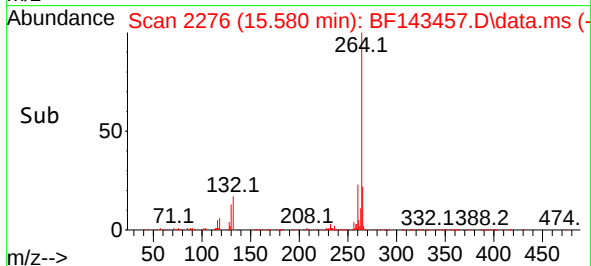
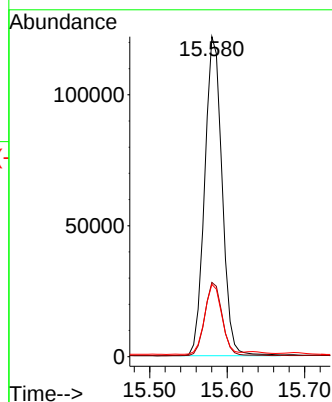
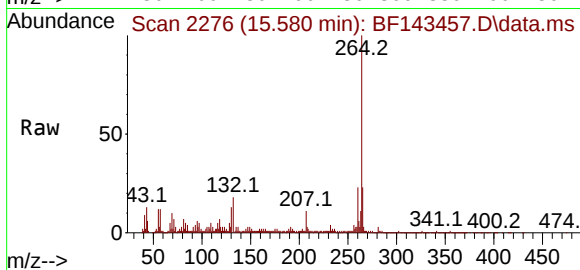
Tgt Ion:264 Resp: 189932

Ion Ratio Lower Upper

264 100

260 23.2 18.8 28.2

265 22.6 17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 8.129 ng

RT: 15.145 min Scan# 2202

Delta R.T. 0.006 min

Lab File: BF143457.D

Acq: 19 Aug 2025 15:26

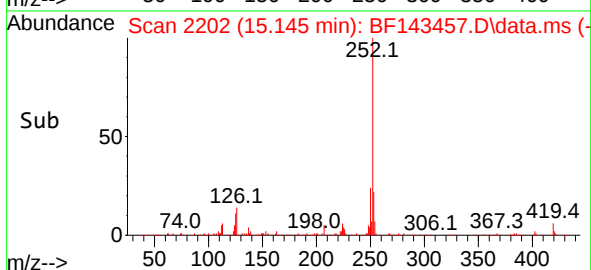
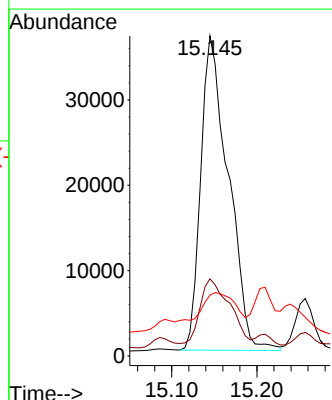
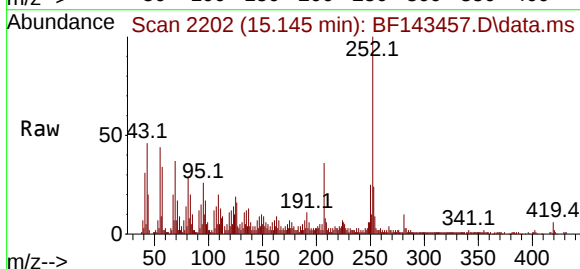
Tgt Ion:252 Resp: 82747

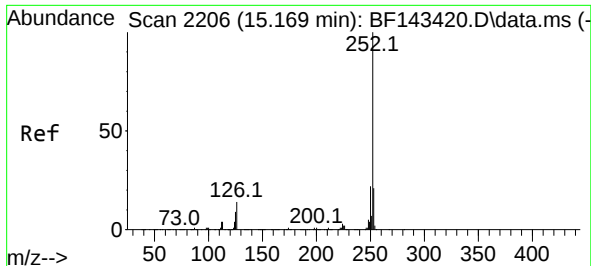
Ion Ratio Lower Upper

252 100

253 24.1 17.1 25.7

125 19.0 7.5 11.3#

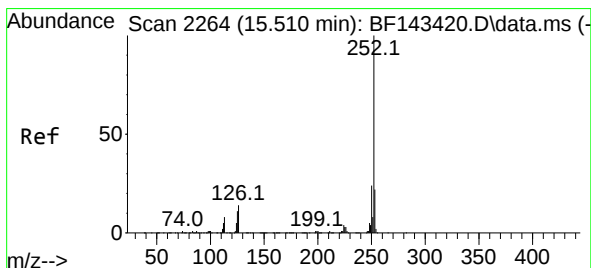
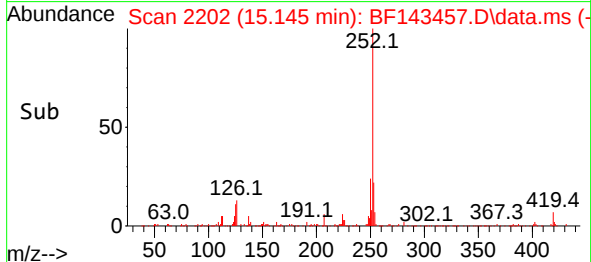
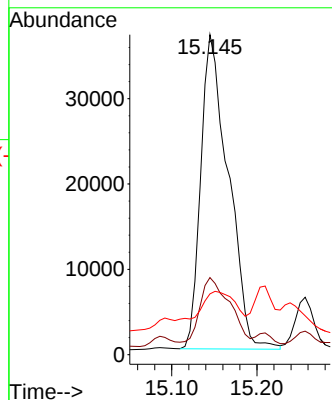
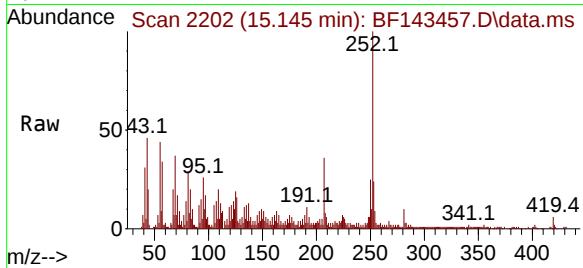




#89
Benzo(k)fluoranthene
Concen: 8.241 ng
RT: 15.145 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

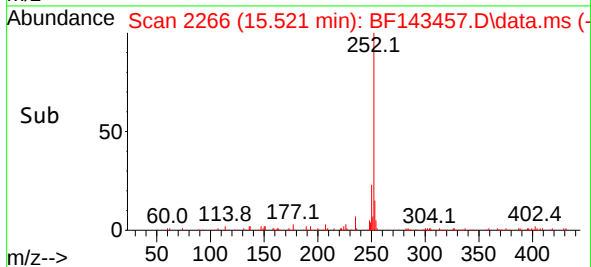
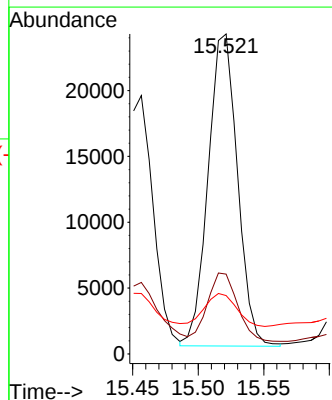
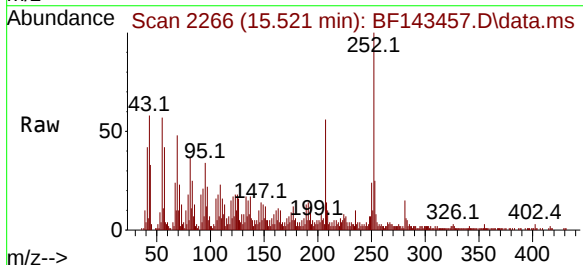
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

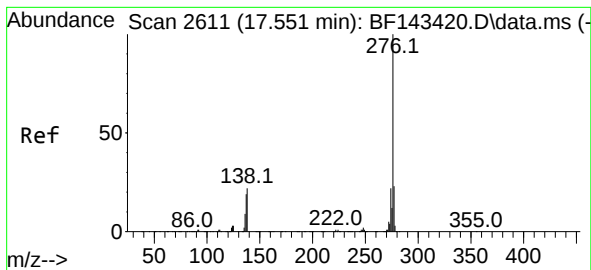
Tgt Ion:252 Resp: 82747
Ion Ratio Lower Upper
252 100
253 24.1 17.2 25.8
125 19.0 7.4 11.2#



#90
Benzo(a)pyrene
Concen: 3.805 ng
RT: 15.521 min Scan# 2266
Delta R.T. 0.012 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion:252 Resp: 36895
Ion Ratio Lower Upper
252 100
253 25.0 17.4 26.2
125 18.3 8.6 12.8#





#92

Benzo(g,h,i)perylene

Concen: 2.224 ng

RT: 17.568 min Scan# 20

Delta R.T. 0.018 min

Lab File: BF143457.D

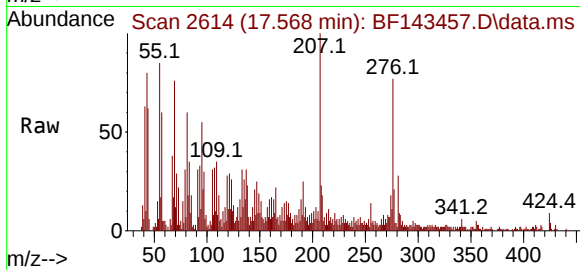
Acq: 19 Aug 2025 15:26

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP09-081425



Tgt Ion:276 Resp: 25410

Ion Ratio Lower Upper

276 100

277 27.4 18.7 28.1

138 30.4 17.5 26.3#

