

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143184.D
 Acq On : 22 Jul 2025 12:23
 Operator : RC/JU
 Sample : Q2638-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-33-071725

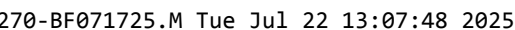
Quant Time: Jul 22 13:07:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	129721	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	491838	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	249711	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	370503	20.000	ng	0.00
76) Chrysene-d12	14.121	240	282018	20.000	ng	0.00
86) Perylene-d12	15.633	264	184757	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.592	112	617713	75.355	ng	0.00
7) Phenol-d6	6.581	99	796922	77.236	ng	0.00
23) Nitrobenzene-d5	7.516	82	525370	53.245	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	190091	73.689	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	887573	48.611	ng	0.00
79) Terphenyl-d14	13.068	244	663272	34.998	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	70913	10.712	ng	# 80
25) Isophorone	7.516	82	521807	29.957	ng	# 66
32) Benzoic acid	7.998	122	281	5.233	ng	# 34
51) 2,6-Dinitrotoluene	9.998	165	32544	9.828	ng	# 22
57) 2,4-Dinitrotoluene	9.998	165	32544	7.834	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.786	198	316	5.557	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	11884	2.691	ng	# 1
88) Benzo(b)fluoranthene	15.186	252	38688	3.428	ng	# 86
89) Benzo(k)fluoranthene	15.186	252	38688	3.841	ng	# 86

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

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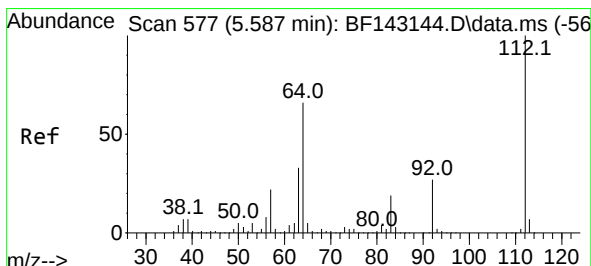
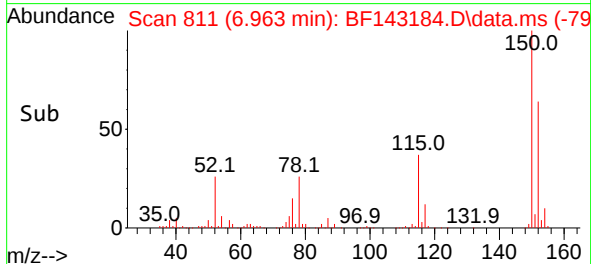
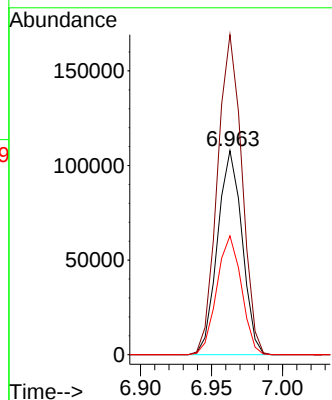
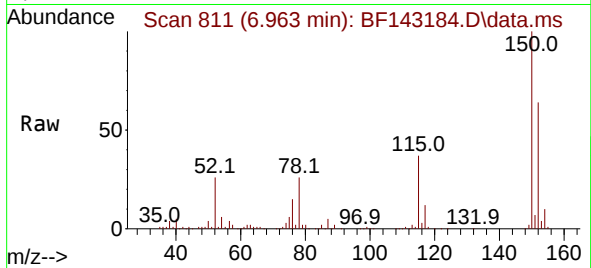




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143184.D
Acq: 22 Jul 2025 12:23

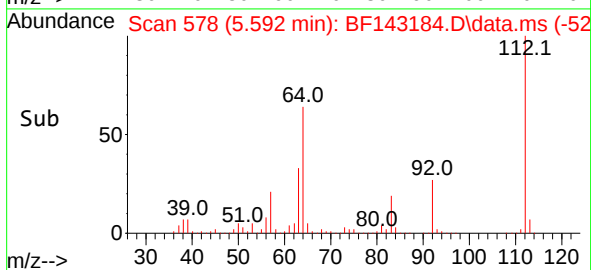
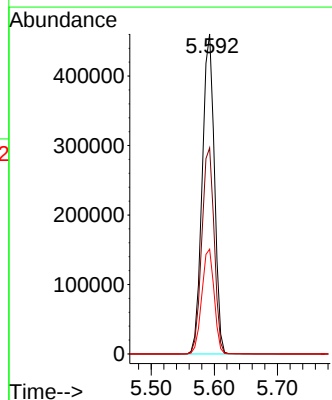
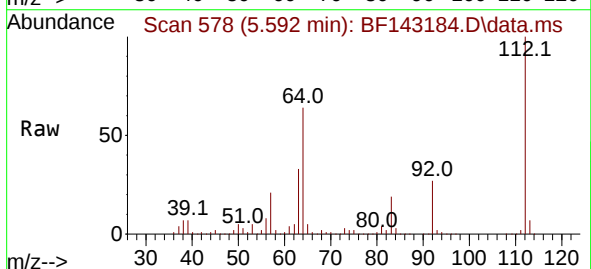
Instrument :
BNA_F
ClientSampleId :
OU4-TS-33-071725

Tgt Ion:152 Resp: 129721
Ion Ratio Lower Upper
152 100
150 156.9 128.2 192.4
115 58.3 47.9 71.9



#5
2-Fluorophenol
Concen: 75.355 ng
RT: 5.592 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143184.D
Acq: 22 Jul 2025 12:23

Tgt Ion:112 Resp: 617713
Ion Ratio Lower Upper
112 100
64 64.4 53.1 79.7
63 32.7 26.6 40.0

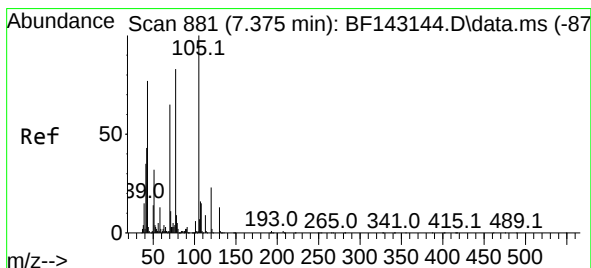
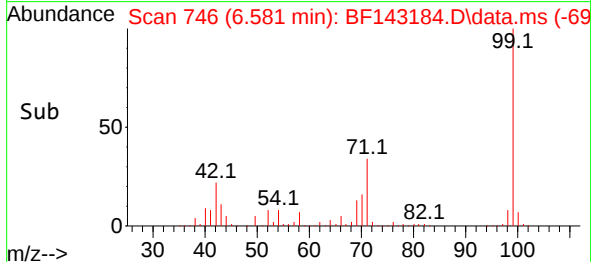
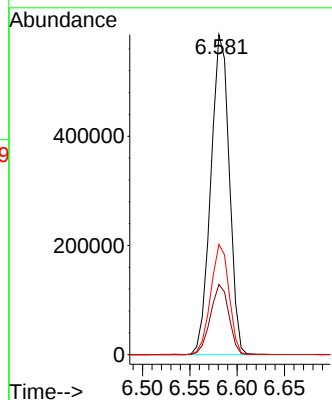
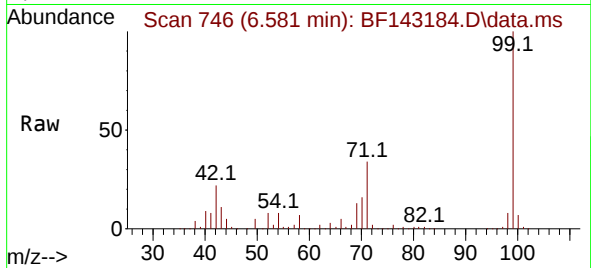




#7
Phenol-d6
Concen: 77.236 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143184.D
Acq: 22 Jul 2025 12:23

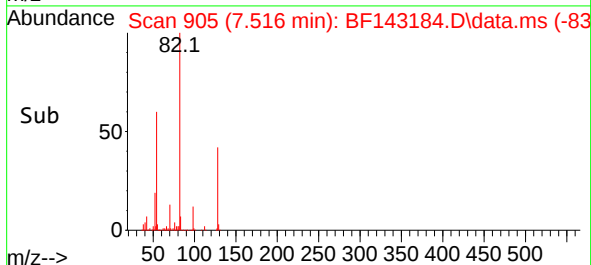
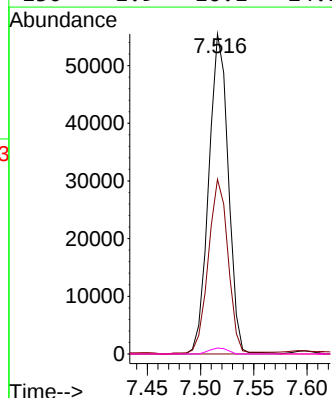
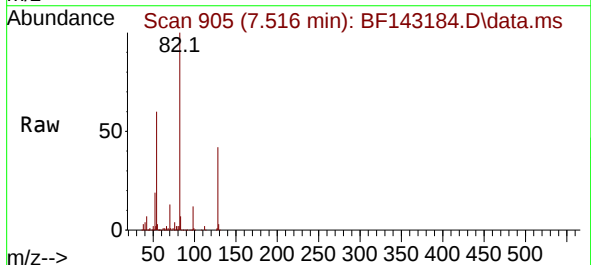
Instrument :
BNA_F
ClientSampleId :
OU4-TS-33-071725

Tgt Ion: 99 Resp: 796922
Ion Ratio Lower Upper
99 100
42 22.0 17.0 25.6
71 34.5 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 10.712 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143184.D
Acq: 22 Jul 2025 12:23

Tgt Ion: 70 Resp: 70913
Ion Ratio Lower Upper
70 100
42 54.6 52.5 78.7
101 0.0 7.6 11.4#
130 1.9 16.1 24.1#

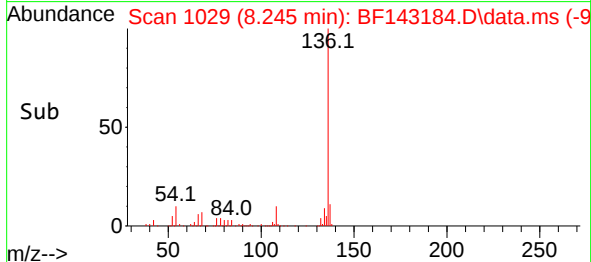
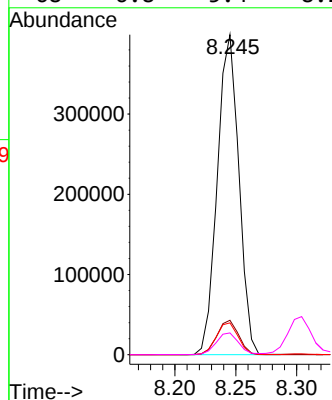
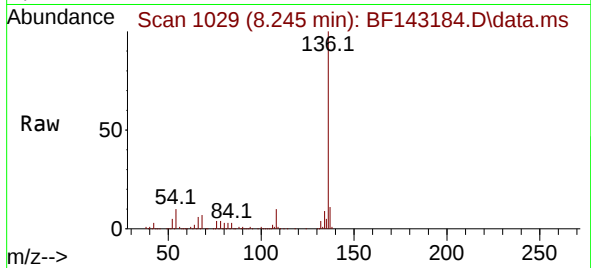




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143184.D
Acq: 22 Jul 2025 12:23

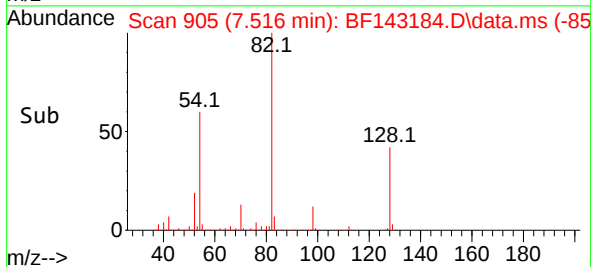
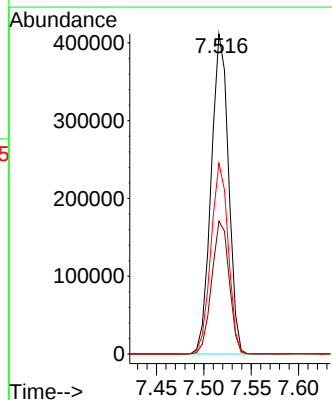
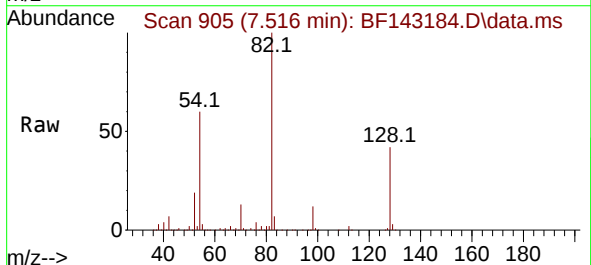
Instrument :
BNA_F
ClientSampleId :
OU4-TS-33-071725

Tgt Ion:	136	Resp:	491838
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.9	8.2	12.2
68	6.8	5.4	8.2



#23
Nitrobenzene-d5
Concen: 53.245 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143184.D
Acq: 22 Jul 2025 12:23

Tgt Ion:	82	Resp:	525370
Ion	Ratio	Lower	Upper
82	100		
128	41.5	33.6	50.4
54	59.6	47.1	70.7

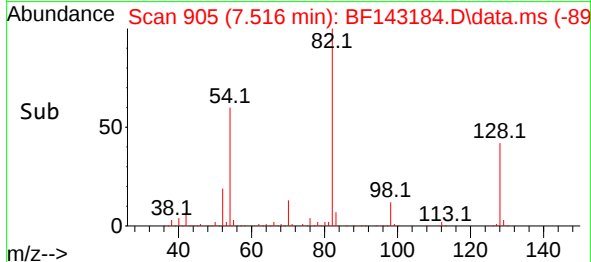
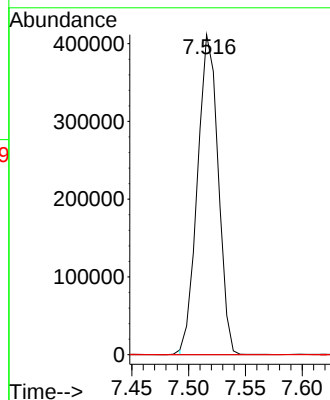
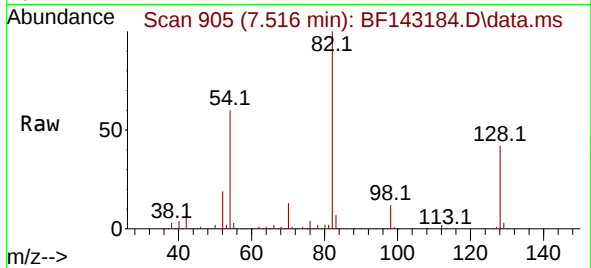




#25
Isophorone
Concen: 29.957 ng
RT: 7.516 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143184.D
Acq: 22 Jul 2025 12:23

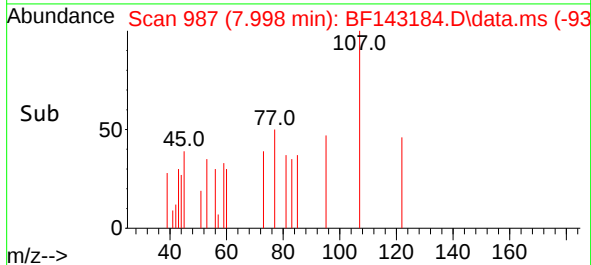
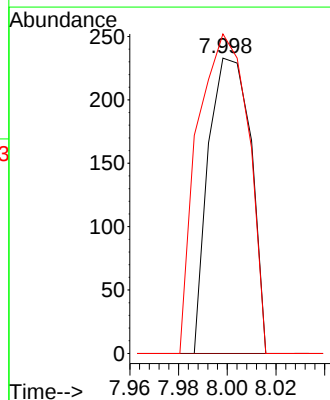
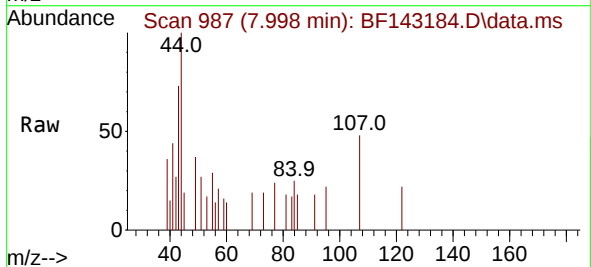
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ClientSampleId :
OU4-TS-33-071725

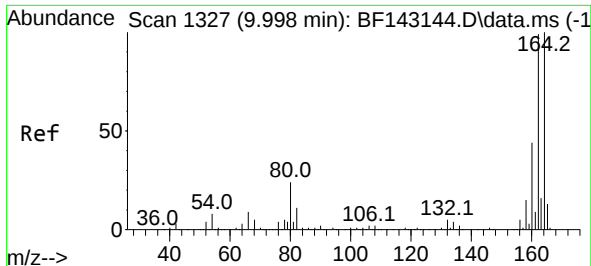
Tgt Ion: 82 Resp: 521807
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#32
Benzoic acid
Concen: 5.233 ng
RT: 7.998 min Scan# 987
Delta R.T. 0.006 min
Lab File: BF143184.D
Acq: 22 Jul 2025 12:23

Tgt Ion: 122 Resp: 281
Ion Ratio Lower Upper
122 100
105 0.0 104.8 144.8#
77 108.2 77.6 117.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143184.D

Acq: 22 Jul 2025 12:23

Instrument :

BNA_F

ClientSampleId :

OU4-TS-33-071725

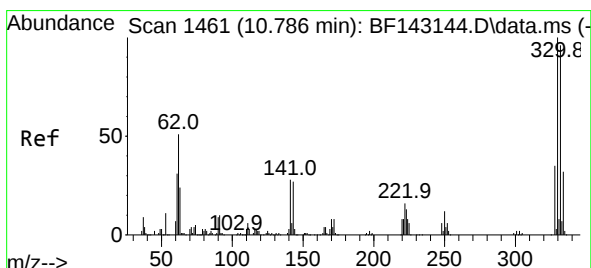
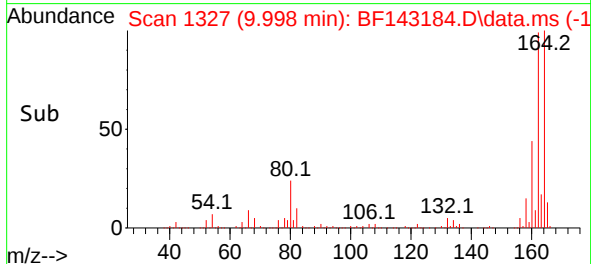
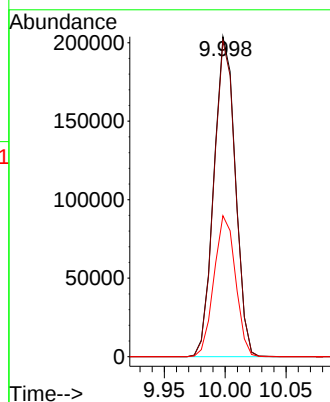
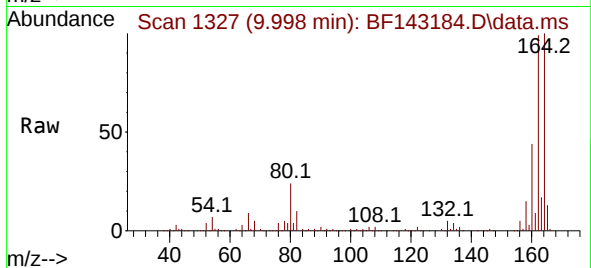
Tgt Ion:164 Resp: 249711

Ion Ratio Lower Upper

164 100

162 98.7 79.0 118.6

160 44.1 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 73.689 ng

RT: 10.786 min Scan# 1461

Delta R.T. -0.000 min

Lab File: BF143184.D

Acq: 22 Jul 2025 12:23

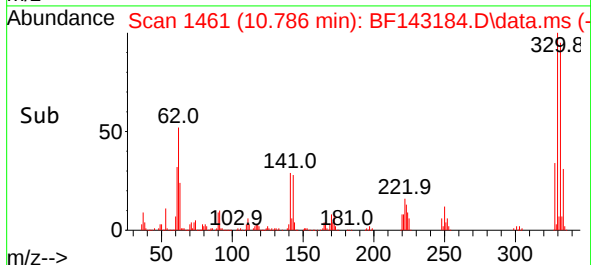
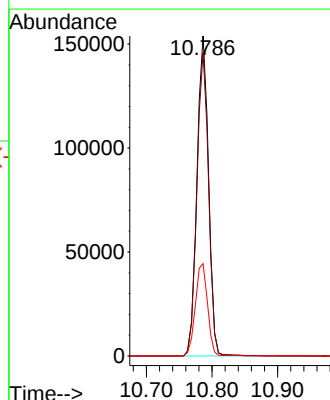
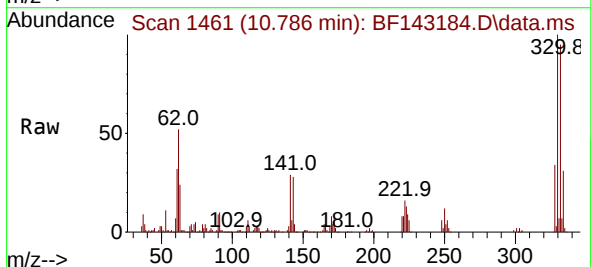
Tgt Ion:330 Resp: 190091

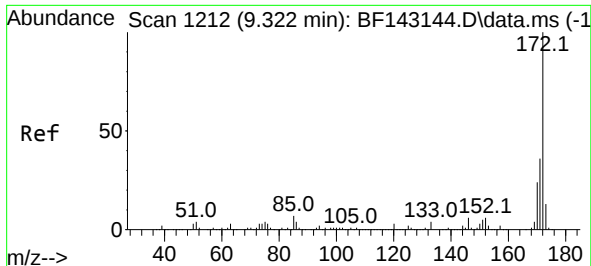
Ion Ratio Lower Upper

330 100

332 95.0 76.7 115.1

141 30.2 23.3 34.9

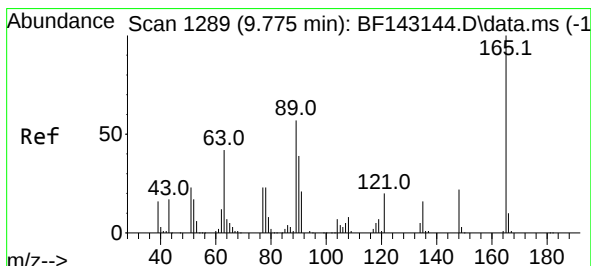
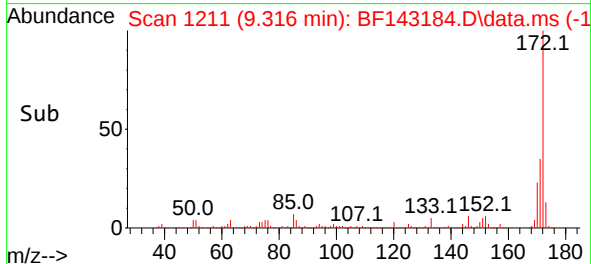
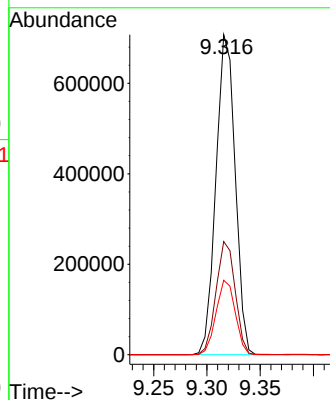
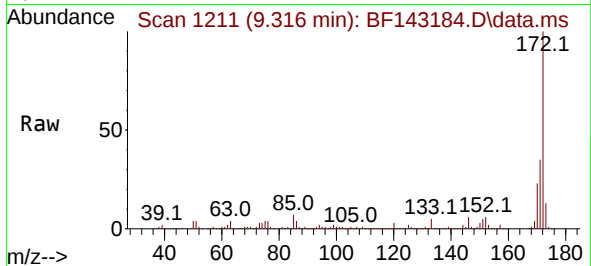




#45
2-Fluorobiphenyl
Concen: 48.611 ng
RT: 9.316 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143184.D
Acq: 22 Jul 2025 12:23

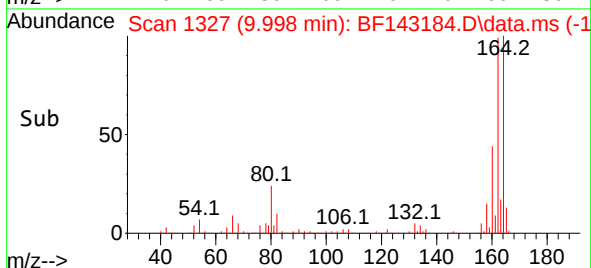
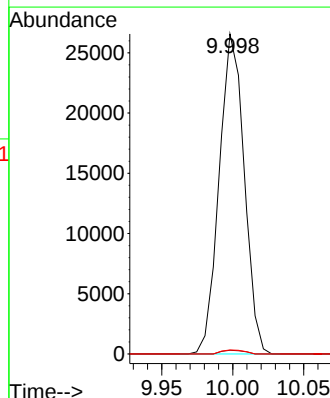
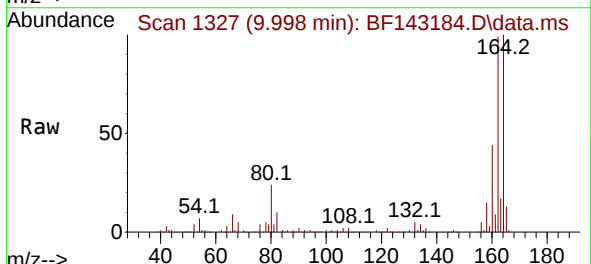
Instrument :
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ClientSampleId :
OU4-TS-33-071725

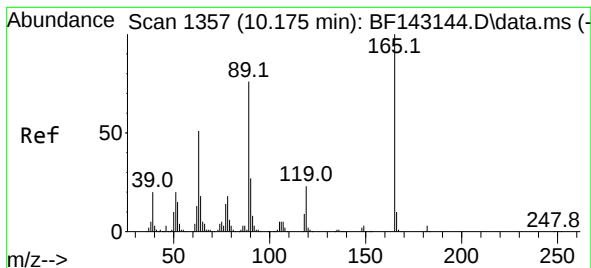
Tgt Ion:172 Resp: 887573
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 23.3 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 9.828 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.223 min
Lab File: BF143184.D
Acq: 22 Jul 2025 12:23

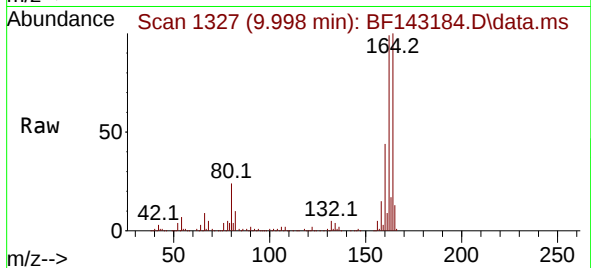
Tgt Ion:165 Resp: 32544
Ion Ratio Lower Upper
165 100
63 1.1 49.4 74.2#
89 1.3 46.2 69.2#



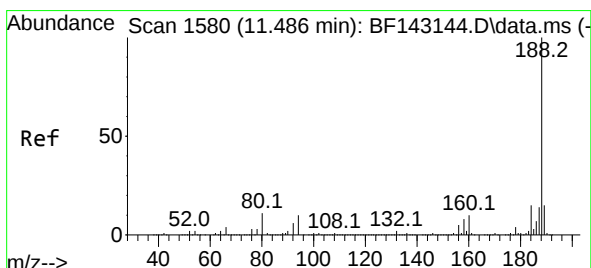
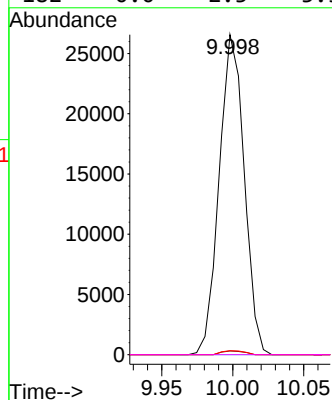
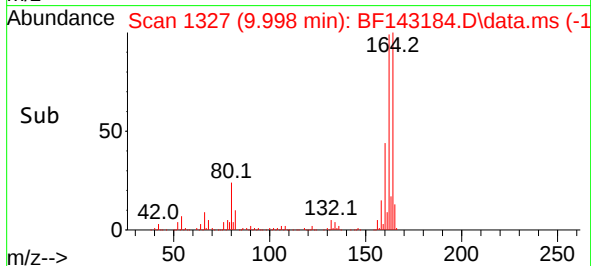


#57
2,4-Dinitrotoluene
Concen: 7.834 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.176 min
Lab File: BF143184.D
Acq: 22 Jul 2025 12:23

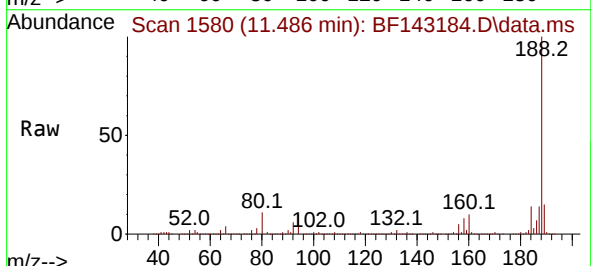
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ClientSampleId :
OU4-TS-33-071725



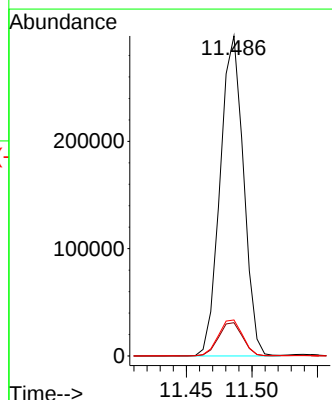
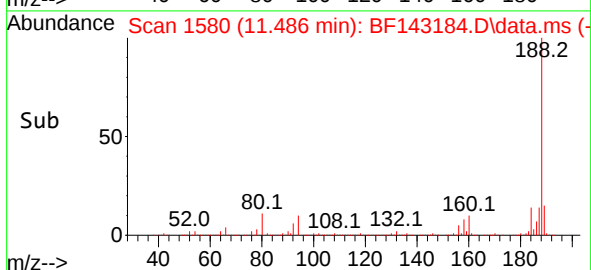
Tgt Ion:165 Resp: 32544
Ion Ratio Lower Upper
165 100
63 1.1 41.0 61.4#
89 1.3 61.1 91.7#
182 0.0 2.3 3.5#

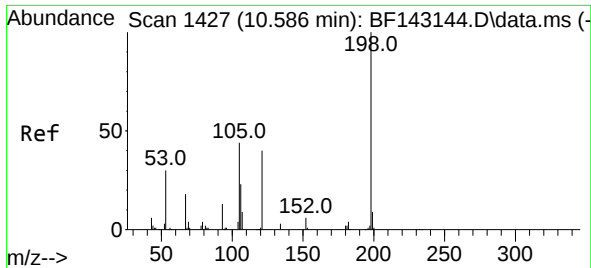


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF143184.D
Acq: 22 Jul 2025 12:23



Tgt Ion:188 Resp: 370503
Ion Ratio Lower Upper
188 100
94 10.4 8.3 12.5
80 11.3 9.0 13.6

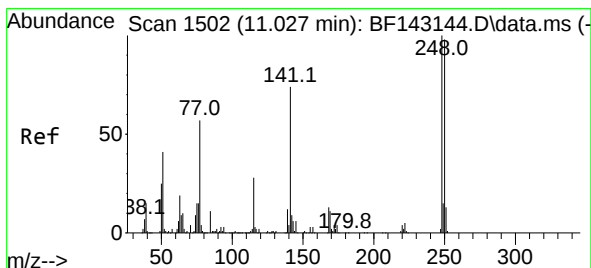
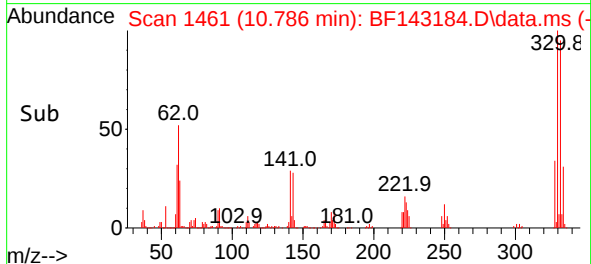
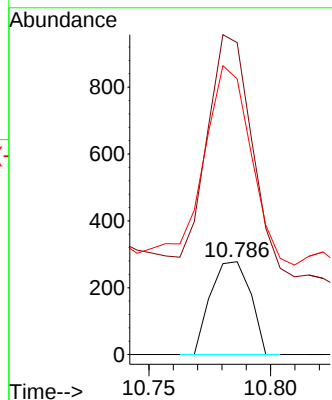
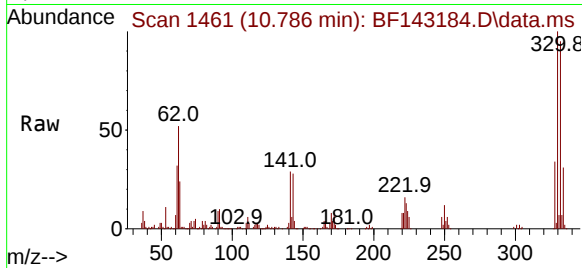




#65
4,6-Dinitro-2-methylphenol
Concen: 5.557 ng
RT: 10.786 min Scan# 1427
Delta R.T. 0.200 min
Lab File: BF143184.D
Acq: 22 Jul 2025 12:23

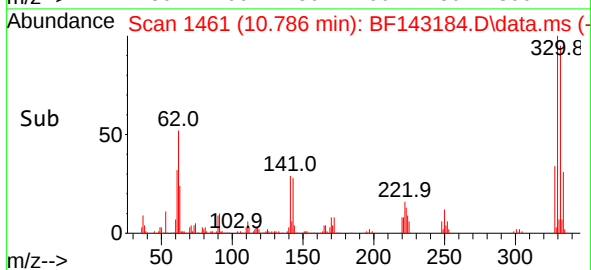
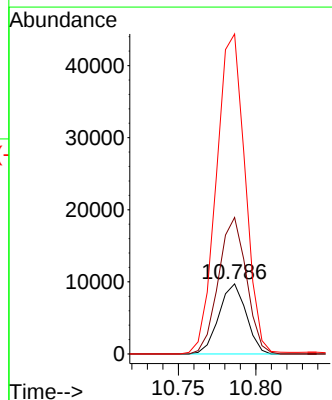
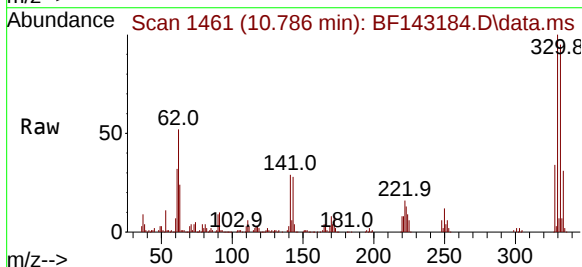
Instrument :
BNA_F
ClientSampleId :
OU4-TS-33-071725

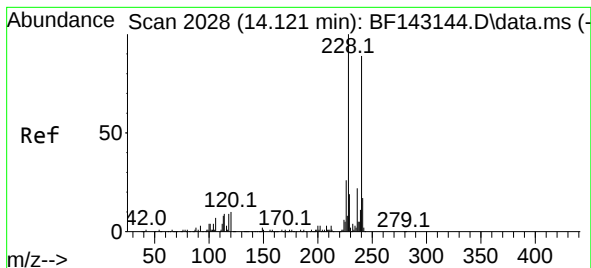
Tgt Ion:198 Resp: 316
Ion Ratio Lower Upper
198 100
51 335.6 37.2 77.2#
105 296.8 24.8 64.8#



#67
4-Bromophenyl-phenylether
Concen: 2.691 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.241 min
Lab File: BF143184.D
Acq: 22 Jul 2025 12:23

Tgt Ion:248 Resp: 11884
Ion Ratio Lower Upper
248 100
250 194.6 78.3 117.5#
141 456.3 59.2 88.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.121 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF143184.D

Acq: 22 Jul 2025 12:23

Instrument :

BNA_F

ClientSampleId :

OU4-TS-33-071725

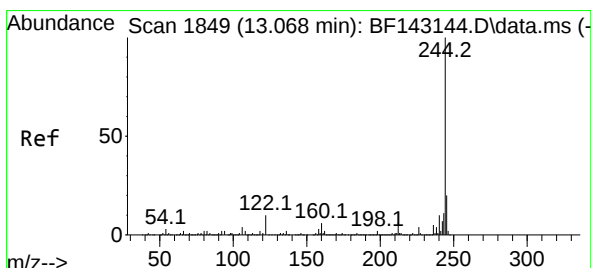
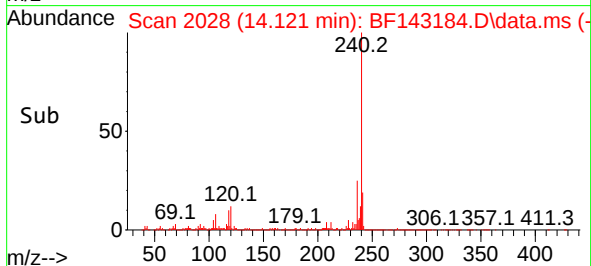
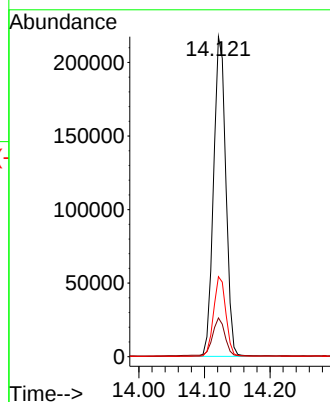
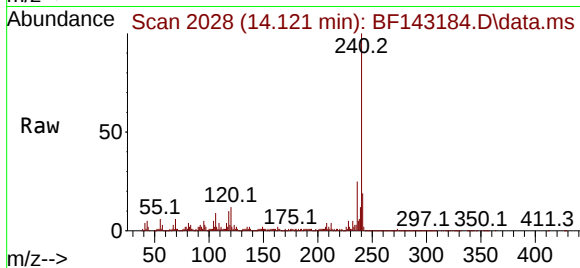
Tgt Ion:240 Resp: 282018

Ion Ratio Lower Upper

240 100

120 12.1 9.4 14.2

236 25.0 20.2 30.4



#79

Terphenyl-d14

Concen: 34.998 ng

RT: 13.068 min Scan# 1849

Delta R.T. -0.000 min

Lab File: BF143184.D

Acq: 22 Jul 2025 12:23

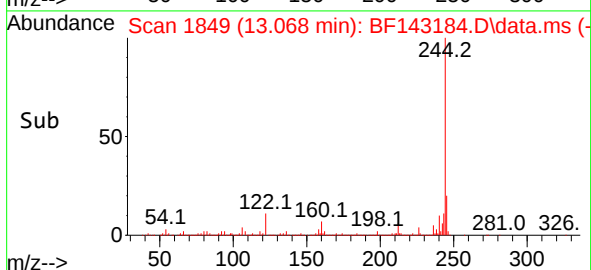
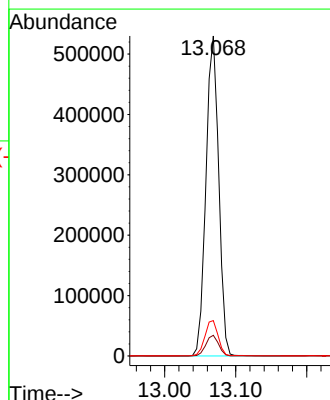
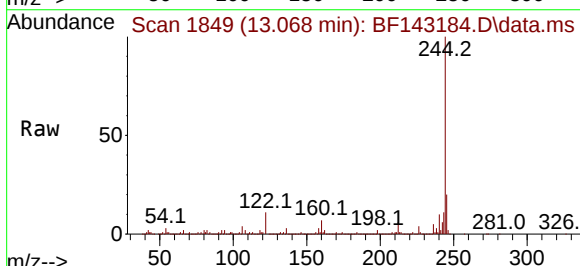
Tgt Ion:244 Resp: 663272

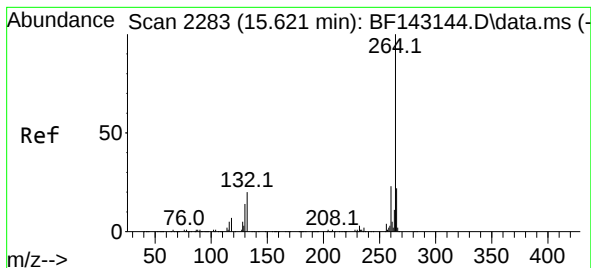
Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

122 11.1 8.2 12.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.633 min Scan# 2285

Delta R.T. 0.012 min

Lab File: BF143184.D

Acq: 22 Jul 2025 12:23

Instrument :

BNA_F

ClientSampleId :

OU4-TS-33-071725

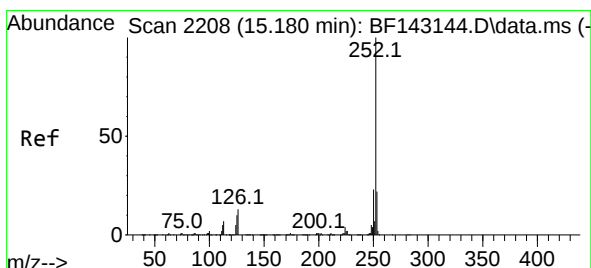
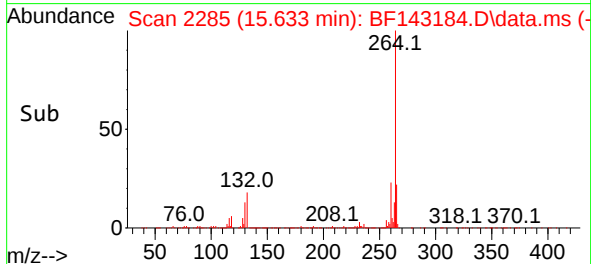
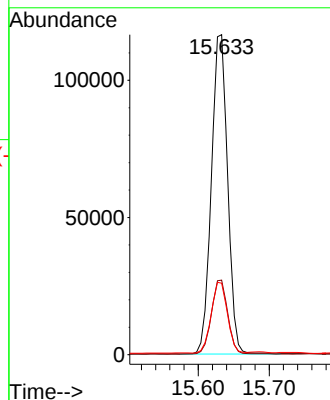
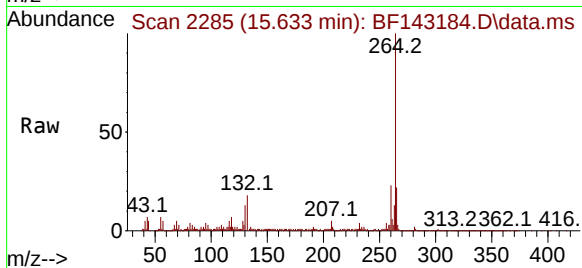
Tgt Ion:264 Resp: 184757

Ion Ratio Lower Upper

264 100

260 23.3 18.5 27.7

265 22.4 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 3.428 ng

RT: 15.186 min Scan# 2209

Delta R.T. 0.006 min

Lab File: BF143184.D

Acq: 22 Jul 2025 12:23

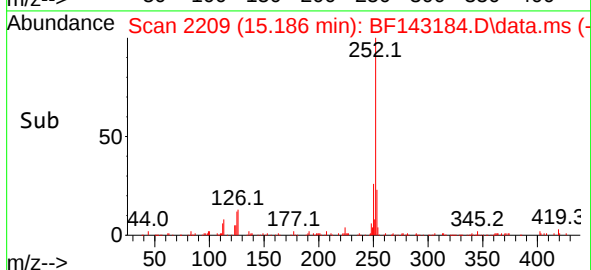
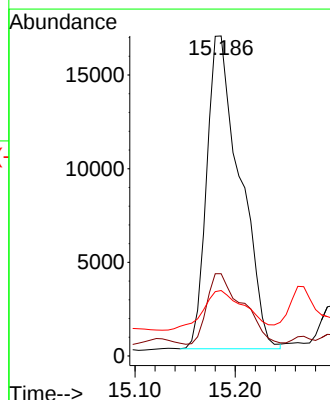
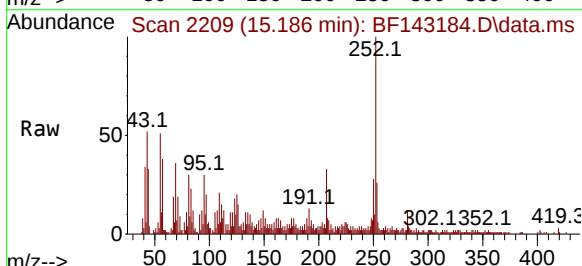
Tgt Ion:252 Resp: 38688

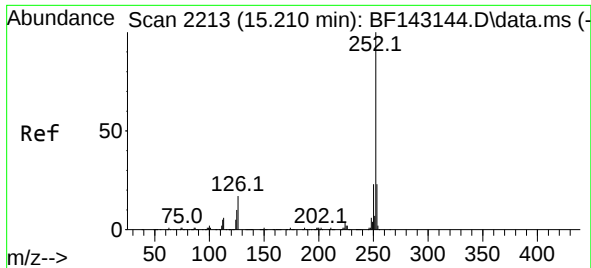
Ion Ratio Lower Upper

252 100

253 25.7 17.5 26.3

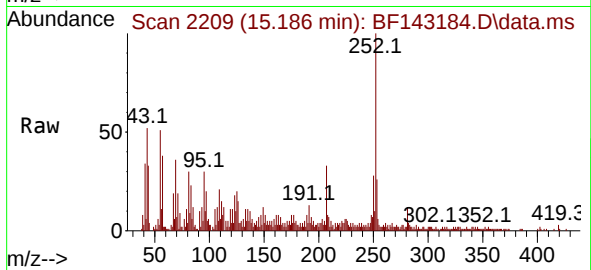
125 20.4 8.0 12.0#





#89
Benzo(k)fluoranthene
Concen: 3.841 ng
RT: 15.186 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF143184.D
Acq: 22 Jul 2025 12:23

Instrument :
BNA_F
ClientSampleId :
OU4-TS-33-071725



Tgt Ion:252 Resp: 38688
Ion Ratio Lower Upper
252 100
253 25.7 17.8 26.6
125 20.4 8.1 12.1#

