

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143182.D
 Acq On : 22 Jul 2025 11:25
 Operator : RC/JU
 Sample : Q2638-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-31-071725

Quant Time: Jul 22 12:07:47 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	124626	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	473426	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	235291	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	343188	20.000	ng	0.00
76) Chrysene-d12	14.121	240	286775	20.000	ng	0.00
86) Perylene-d12	15.627	264	200780	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	608988	77.328	ng	0.00
7) Phenol-d6	6.581	99	786271	79.320	ng	0.00
23) Nitrobenzene-d5	7.516	82	521492	54.908	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	178384	73.388	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	886827	51.547	ng	0.00
79) Terphenyl-d14	13.068	244	642582	33.344	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	71805	11.291	ng	# 79
25) Isophorone	7.516	82	516972	30.834	ng	# 66
32) Benzoic acid	7.922	122	798	5.339	ng	# 82
51) 2,6-Dinitrotoluene	9.998	165	31207	10.002	ng	# 22
57) 2,4-Dinitrotoluene	9.998	165	31207	7.972	ng	# 21
63) Azobenzene	10.704	77	58145	3.680	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.786	198	167	5.495	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	11275	2.757	ng	# 1
88) Benzo(b)fluoranthene	15.180	252	45492	3.709	ng	# 85
89) Benzo(k)fluoranthene	15.180	252	45492	4.156	ng	# 86

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

BNA F

BNA F

ClientSampleId :

OU4-TS-31-071725

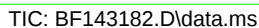
Quant Time: Jul 22 12:07:47 2025

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

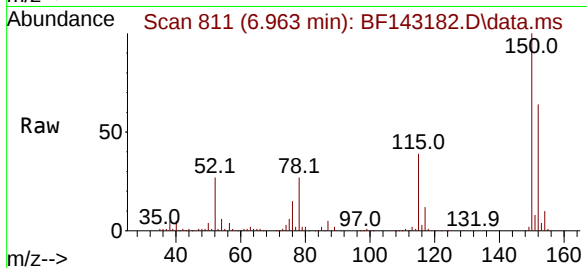
Response via : Initial Calibration



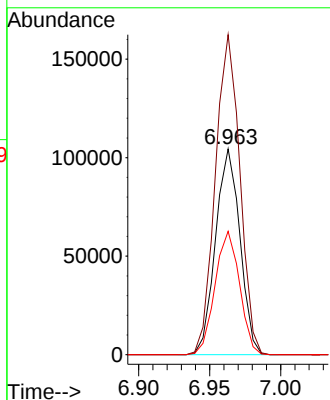
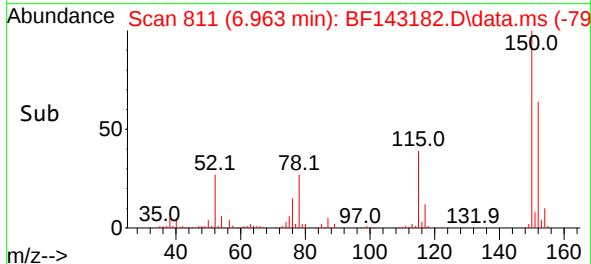


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan# 811
 Delta R.T. -0.000 min
 Lab File: BF143182.D
 Acq: 22 Jul 2025 11:25

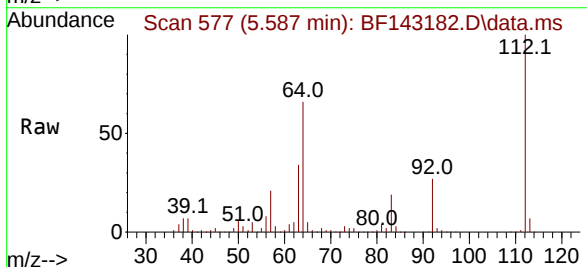
Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-31-071725



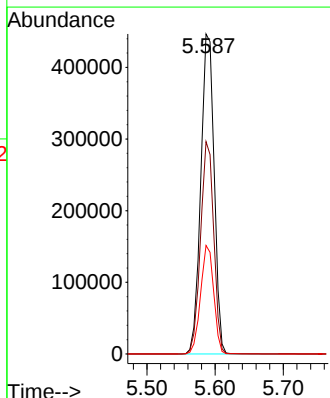
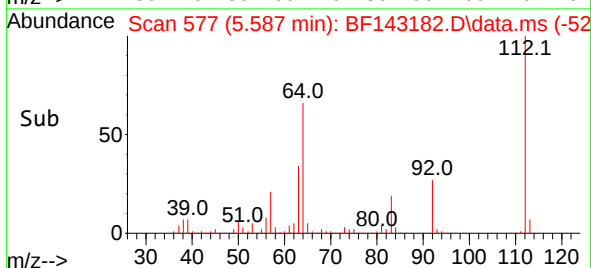
Tgt Ion:152 Resp: 124626
 Ion Ratio Lower Upper
 152 100
 150 155.5 128.2 192.4
 115 60.0 47.9 71.9

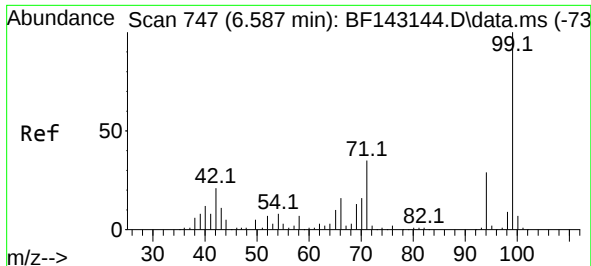


#5
 2-Fluorophenol
 Concen: 77.328 ng
 RT: 5.587 min Scan# 577
 Delta R.T. -0.000 min
 Lab File: BF143182.D
 Acq: 22 Jul 2025 11:25



Tgt Ion:112 Resp: 608988
 Ion Ratio Lower Upper
 112 100
 64 66.3 53.1 79.7
 63 33.9 26.6 40.0

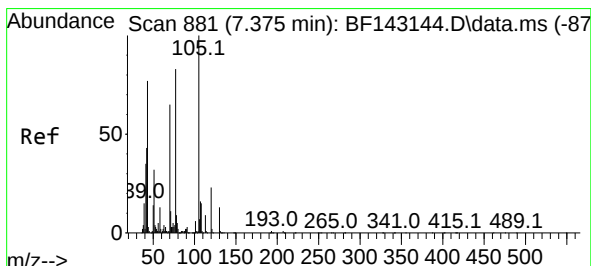
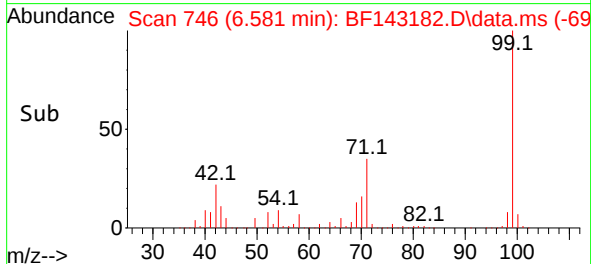
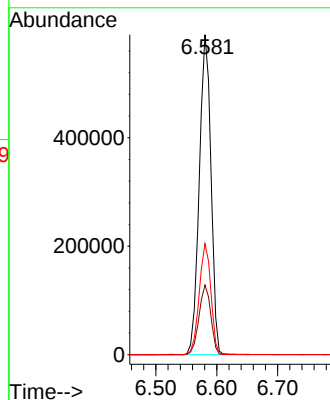
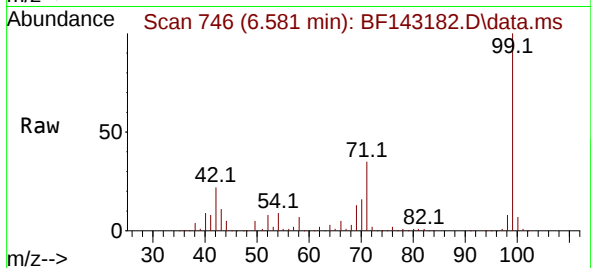




#7
Phenol-d6
Concen: 79.320 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143182.D
Acq: 22 Jul 2025 11:25

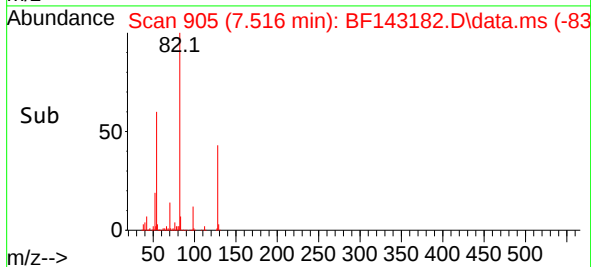
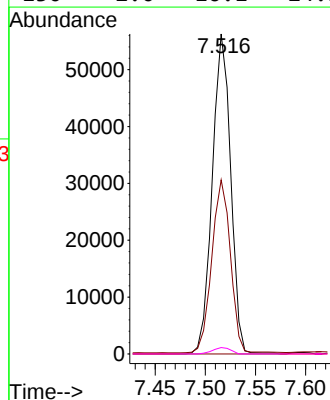
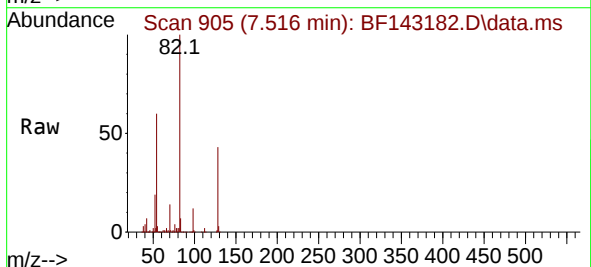
Instrument :
BNA_F
ClientSampleId :
OU4-TS-31-071725

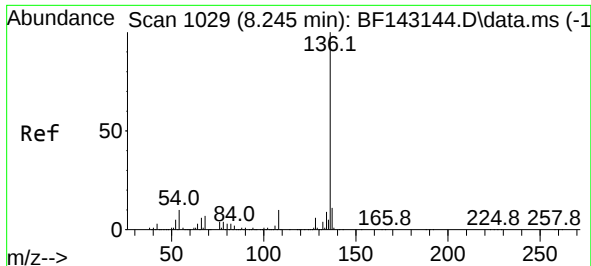
Tgt Ion: 99 Resp: 786271
Ion Ratio Lower Upper
99 100
42 21.8 17.0 25.6
71 34.7 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 11.291 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143182.D
Acq: 22 Jul 2025 11:25

Tgt Ion: 70 Resp: 71805
Ion Ratio Lower Upper
70 100
42 54.4 52.5 78.7
101 0.0 7.6 11.4#
130 2.0 16.1 24.1#

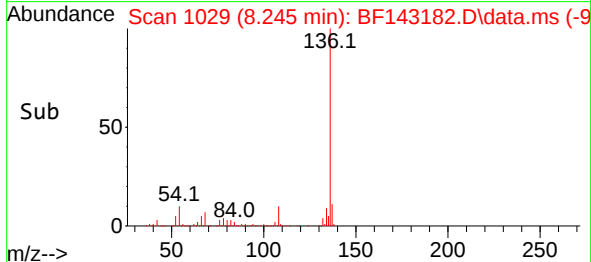
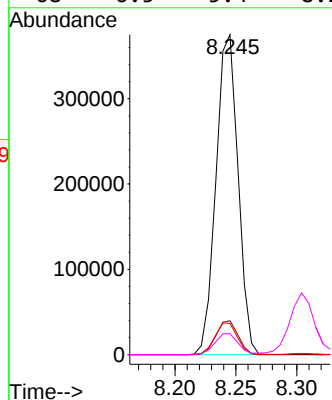
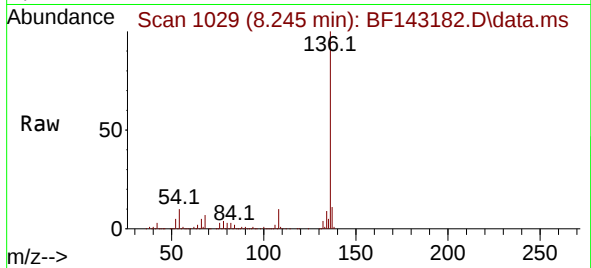




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143182.D
Acq: 22 Jul 2025 11:25

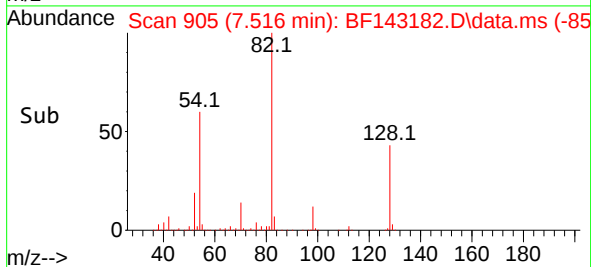
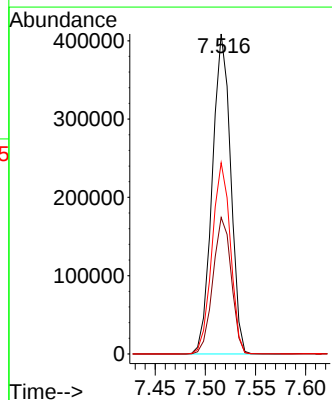
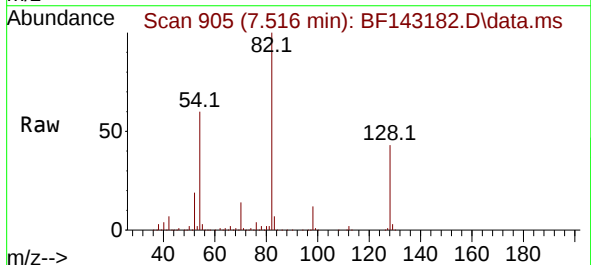
Instrument :
BNA_F
ClientSampleId :
OU4-TS-31-071725

Tgt Ion:	136	Resp:	473426
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	9.8	8.2	12.2
68	6.5	5.4	8.2



#23
Nitrobenzene-d5
Concen: 54.908 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143182.D
Acq: 22 Jul 2025 11:25

Tgt Ion:	82	Resp:	521492
Ion	Ratio	Lower	Upper
82	100		
128	42.7	33.6	50.4
54	59.8	47.1	70.7

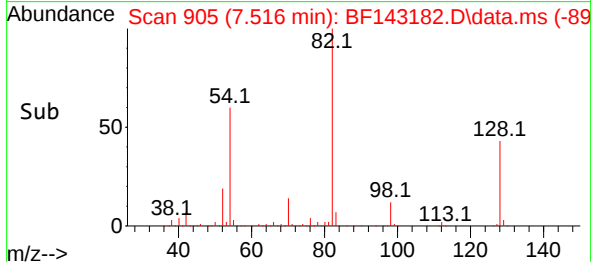
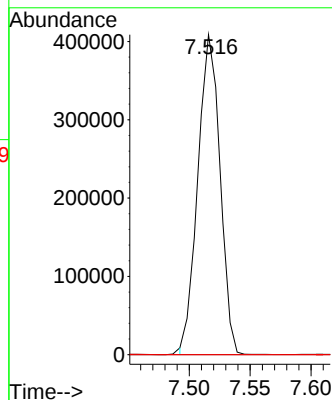
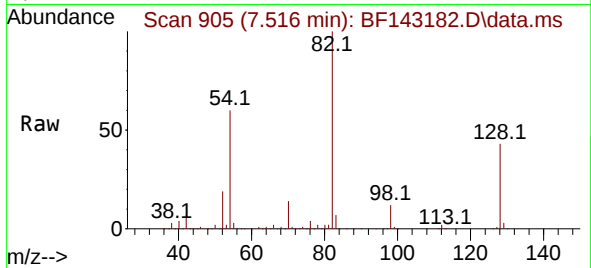




#25
Isophorone
Concen: 30.834 ng
RT: 7.516 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143182.D
Acq: 22 Jul 2025 11:25

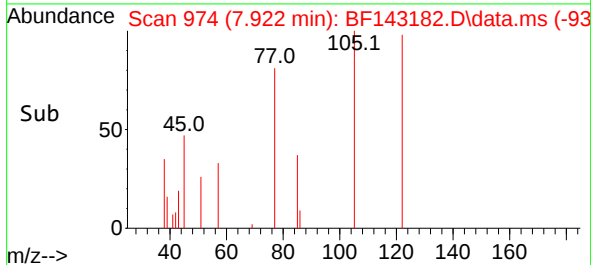
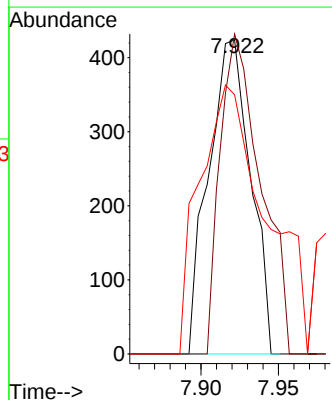
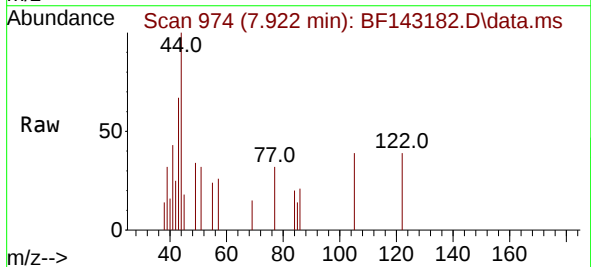
Instrument :
BNA_F
ClientSampleId :
OU4-TS-31-071725

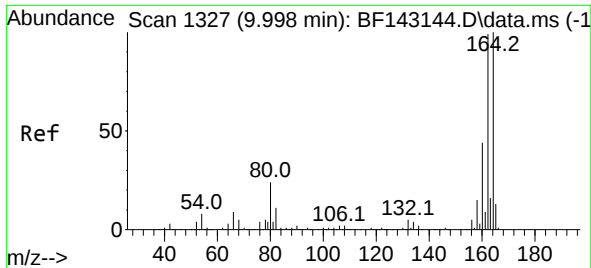
Tgt Ion: 82 Resp: 516972
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#32
Benzoic acid
Concen: 5.339 ng
RT: 7.922 min Scan# 974
Delta R.T. -0.070 min
Lab File: BF143182.D
Acq: 22 Jul 2025 11:25

Tgt Ion:122 Resp: 798
Ion Ratio Lower Upper
122 100
105 101.9 104.8 144.8#
77 82.5 77.6 117.6

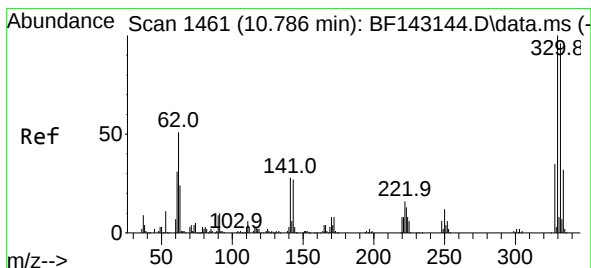
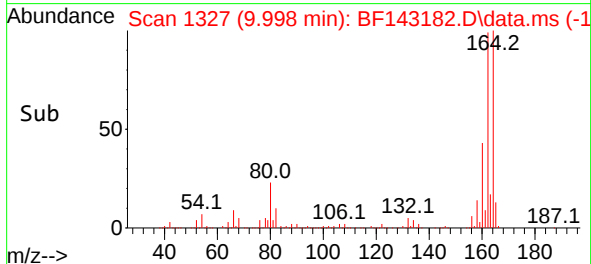
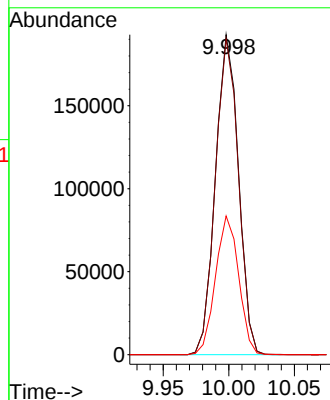
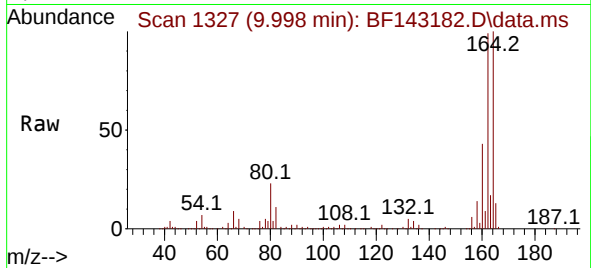




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143182.D
Acq: 22 Jul 2025 11:25

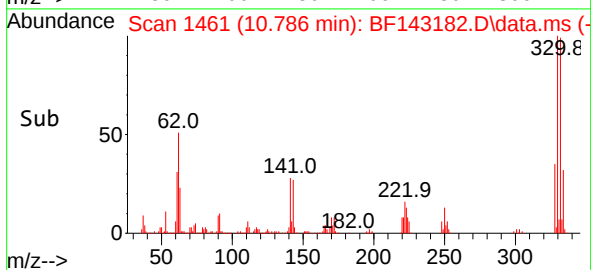
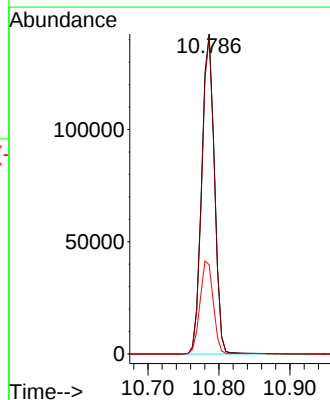
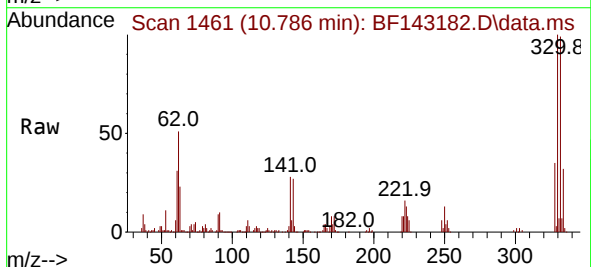
Instrument :
BNA_F
ClientSampleId :
OU4-TS-31-071725

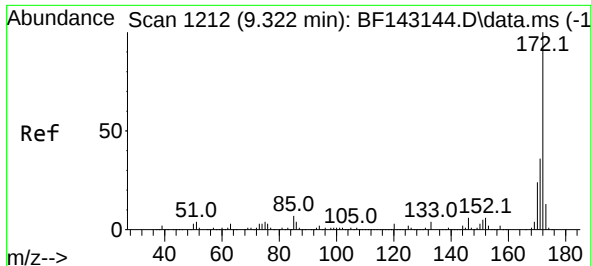
Tgt Ion:164 Resp: 235291
Ion Ratio Lower Upper
164 100
162 98.7 79.0 118.6
160 43.4 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 73.388 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.000 min
Lab File: BF143182.D
Acq: 22 Jul 2025 11:25

Tgt Ion:330 Resp: 178384
Ion Ratio Lower Upper
330 100
332 98.6 76.7 115.1
141 30.2 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 51.547 ng

RT: 9.316 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143182.D

Acq: 22 Jul 2025 11:25

Instrument :

BNA_F

ClientSampleId :

OU4-TS-31-071725

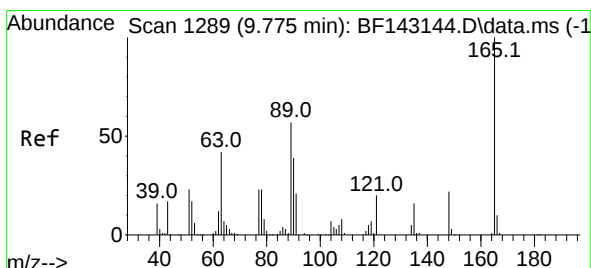
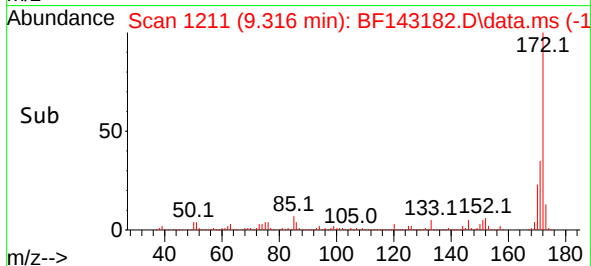
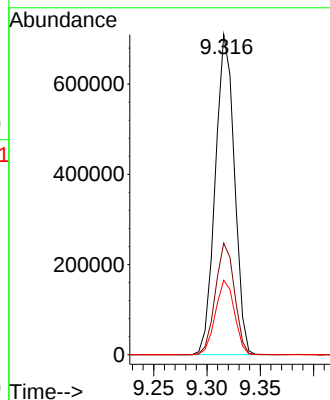
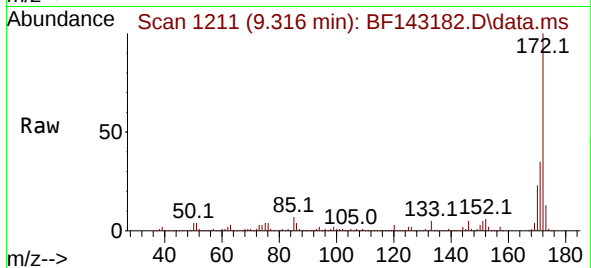
Tgt Ion:172 Resp: 886827

Ion Ratio Lower Upper

172 100

171 34.8 28.6 42.8

170 23.2 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 10.002 ng

RT: 9.998 min Scan# 1327

Delta R.T. 0.223 min

Lab File: BF143182.D

Acq: 22 Jul 2025 11:25

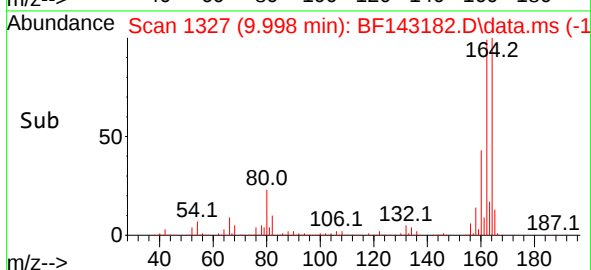
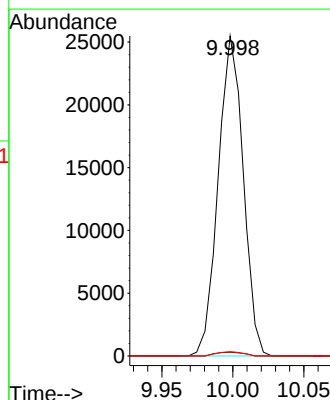
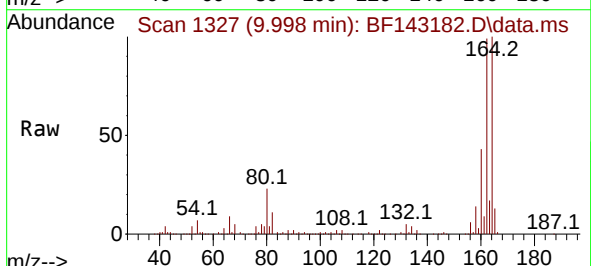
Tgt Ion:165 Resp: 31207

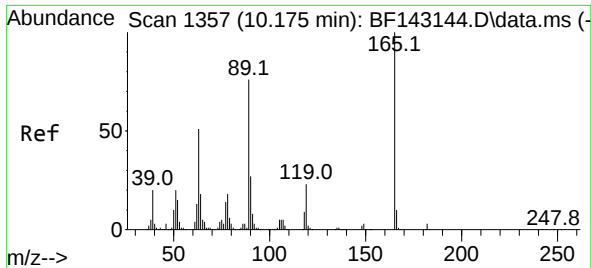
Ion Ratio Lower Upper

165 100

63 1.2 49.4 74.2#

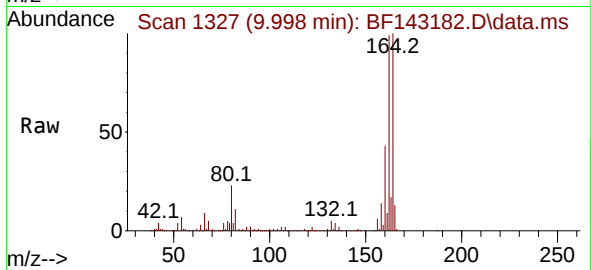
89 1.3 46.2 69.2#



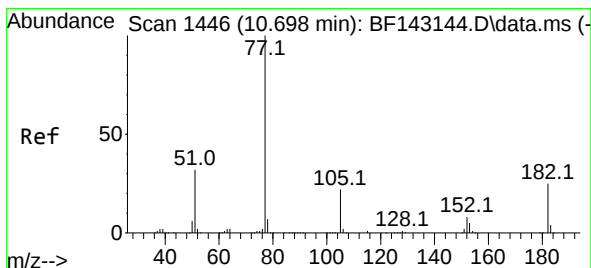
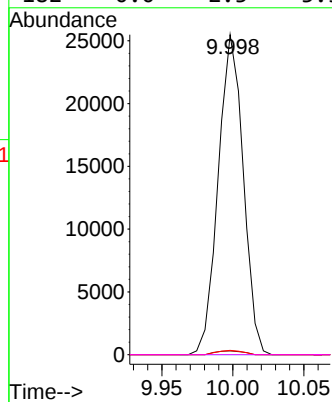
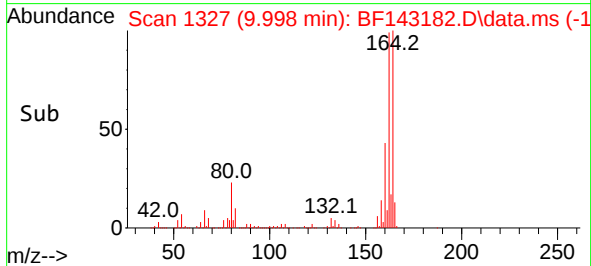


#57
2,4-Dinitrotoluene
Concen: 7.972 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.177 min
Lab File: BF143182.D
Acq: 22 Jul 2025 11:25

Instrument :
BNA_F
ClientSampleId :
OU4-TS-31-071725

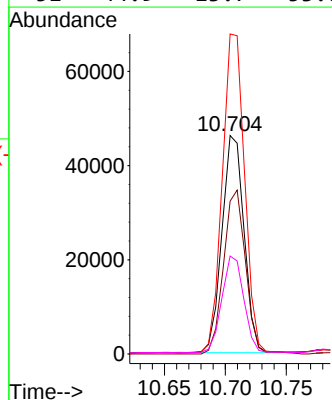
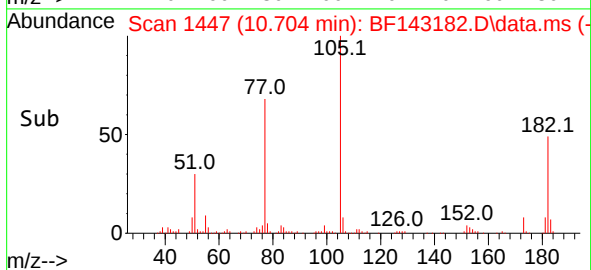
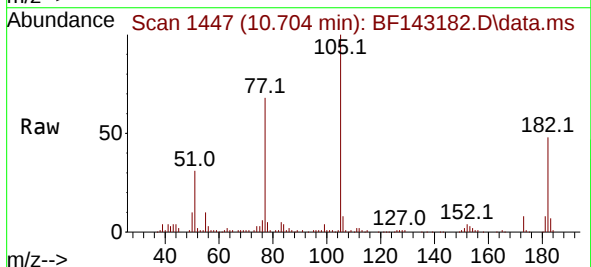


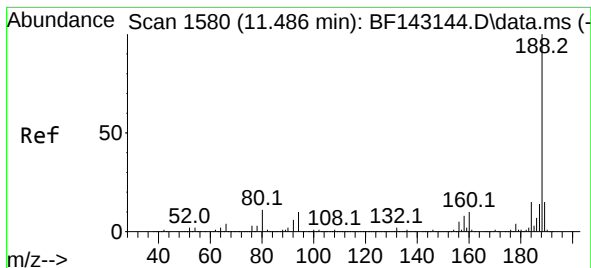
Tgt Ion:165 Resp: 31207
Ion Ratio Lower Upper
165 100
63 1.2 41.0 61.4#
89 1.3 61.1 91.7#
182 0.0 2.3 3.5#



#63
Azobenzene
Concen: 3.680 ng
RT: 10.704 min Scan# 1447
Delta R.T. 0.006 min
Lab File: BF143182.D
Acq: 22 Jul 2025 11:25

Tgt Ion: 77 Resp: 58145
Ion Ratio Lower Upper
77 100
182 69.9 4.6 44.6#
105 146.5 1.4 41.4#
51 44.9 13.7 53.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143182.D

Acq: 22 Jul 2025 11:25

Instrument :

BNA_F

ClientSampleId :

OU4-TS-31-071725

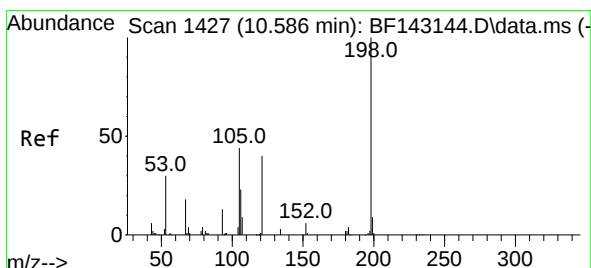
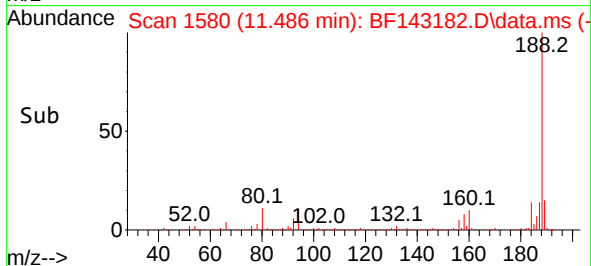
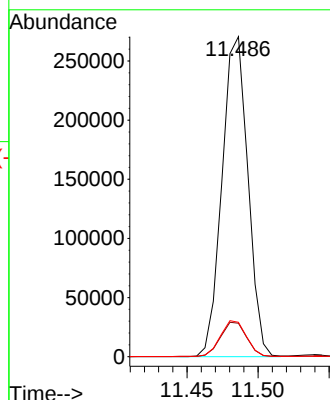
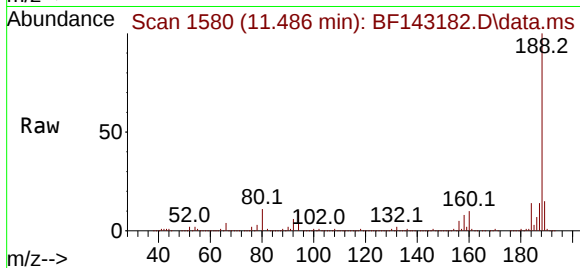
Tgt Ion:188 Resp: 343188

Ion Ratio Lower Upper

188 100

94 10.4 8.3 12.5

80 10.7 9.0 13.6



#65

4,6-Dinitro-2-methylphenol

Concen: 5.495 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.200 min

Lab File: BF143182.D

Acq: 22 Jul 2025 11:25

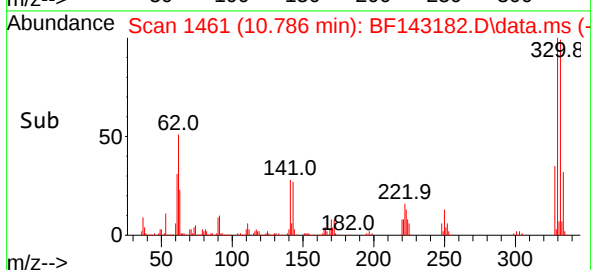
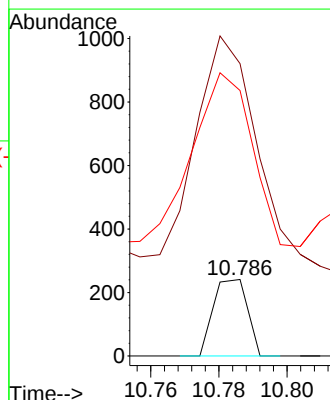
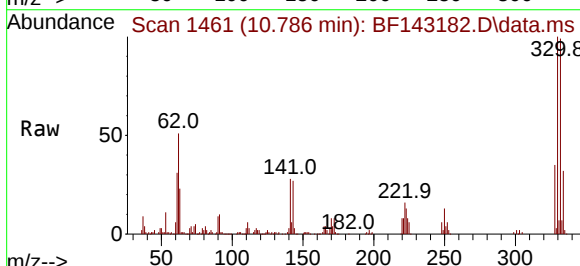
Tgt Ion:198 Resp: 167

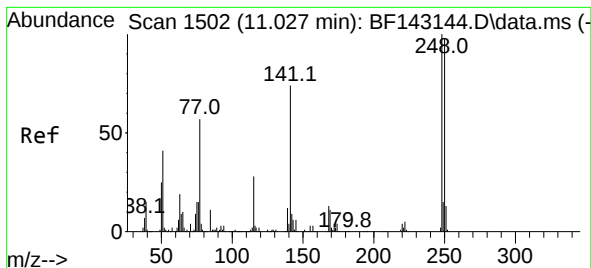
Ion Ratio Lower Upper

198 100

51 382.2 37.2 77.2#

105 346.9 24.8 64.8#

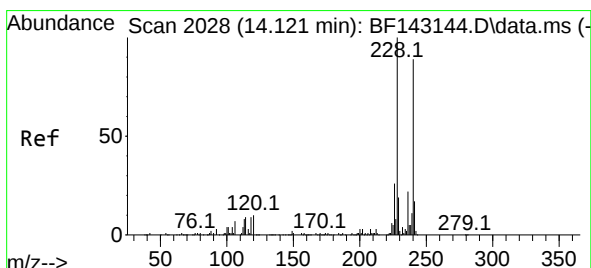
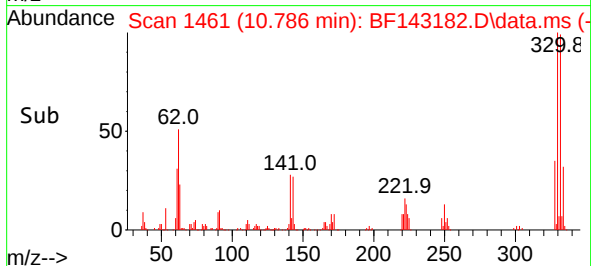
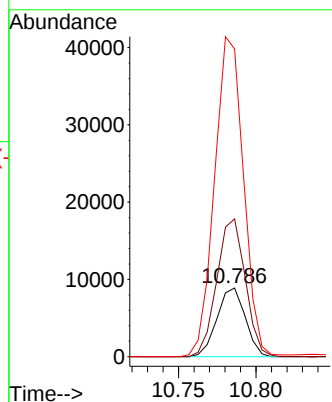
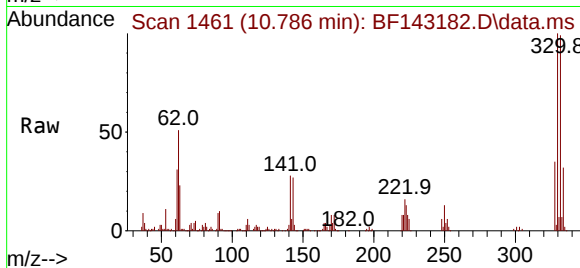




#67
4-Bromophenyl-phenylether
Concen: 2.757 ng
RT: 10.786 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF143182.D
Acq: 22 Jul 2025 11:25

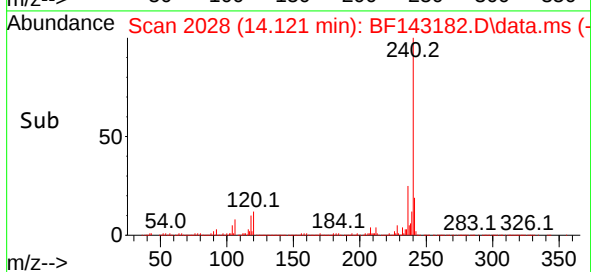
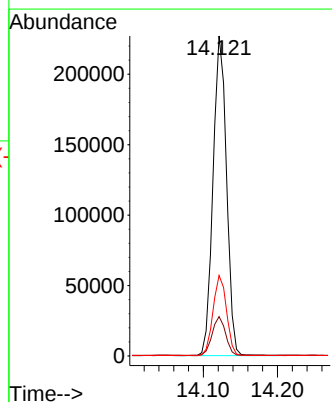
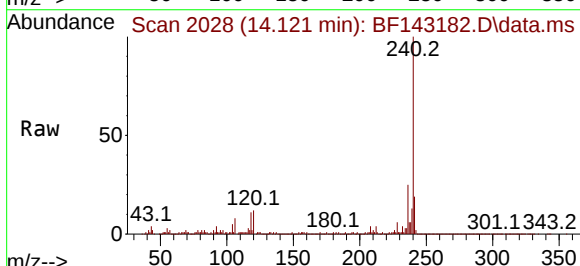
Instrument :
BNA_F
ClientSampleId :
OU4-TS-31-071725

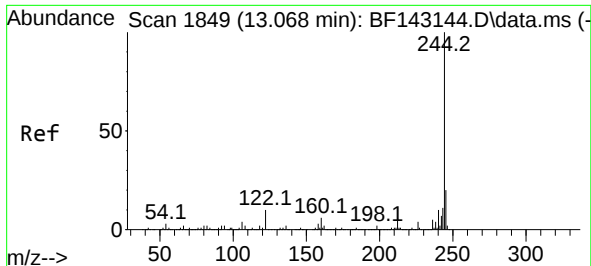
Tgt Ion:248 Resp: 11275
Ion Ratio Lower Upper
248 100
250 200.8 78.3 117.5#
141 448.5 59.2 88.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF143182.D
Acq: 22 Jul 2025 11:25

Tgt Ion:240 Resp: 286775
Ion Ratio Lower Upper
240 100
120 12.3 9.4 14.2
236 25.2 20.2 30.4

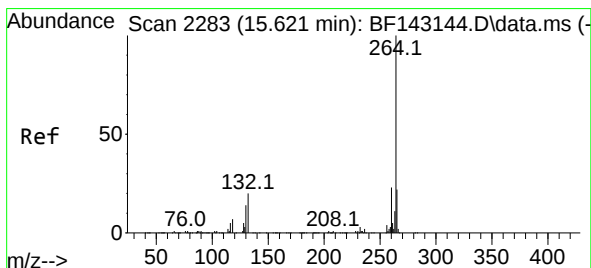
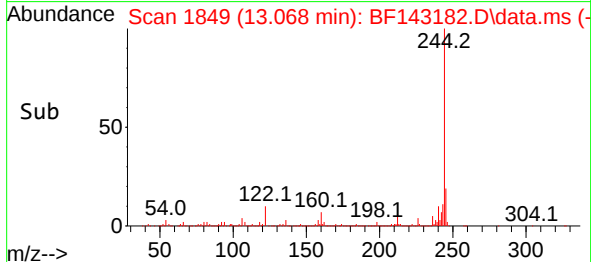
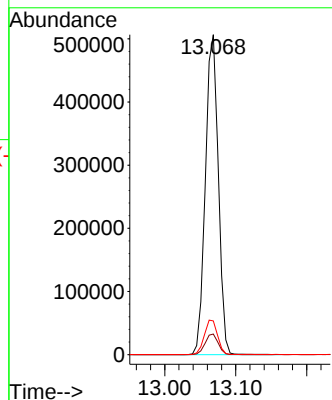
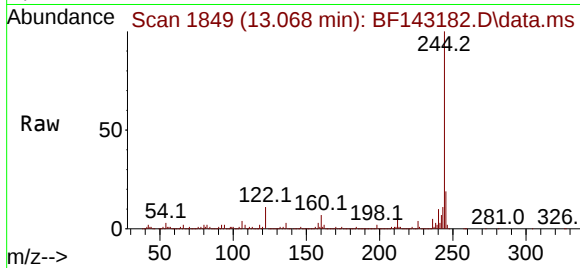




#79
 Terphenyl-d14
 Concen: 33.344 ng
 RT: 13.068 min Scan# 1849
 Delta R.T. -0.000 min
 Lab File: BF143182.D
 Acq: 22 Jul 2025 11:25

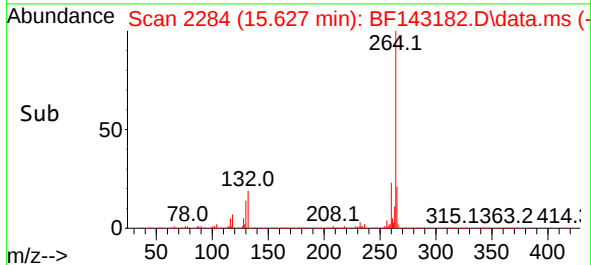
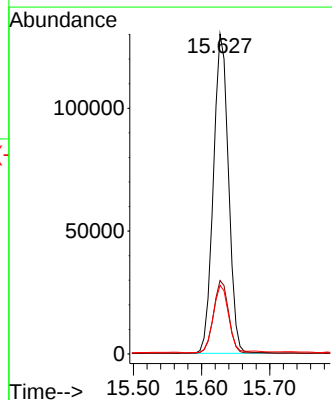
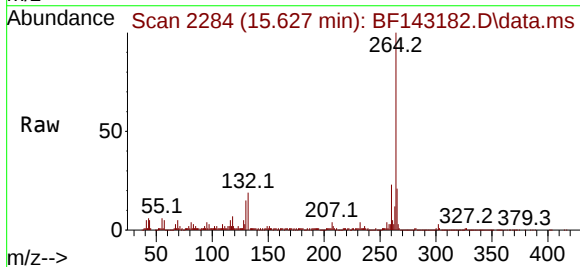
Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-31-071725

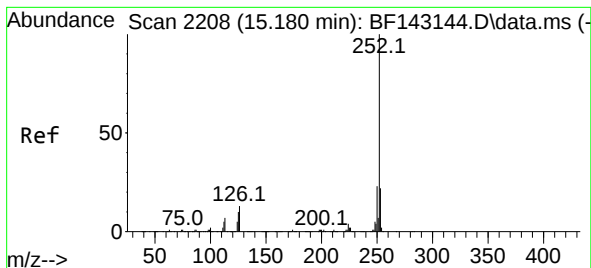
Tgt Ion:244 Resp: 642582
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.2 7.8
 122 10.5 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.627 min Scan# 2284
 Delta R.T. 0.006 min
 Lab File: BF143182.D
 Acq: 22 Jul 2025 11:25

Tgt Ion:264 Resp: 200780
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.5 27.7
 265 21.4 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 3.709 ng

RT: 15.180 min Scan# 2208

Delta R.T. -0.000 min

Lab File: BF143182.D

Acq: 22 Jul 2025 11:25

Instrument :

BNA_F

ClientSampleId :

OU4-TS-31-071725

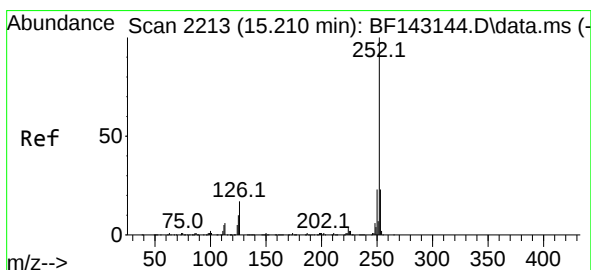
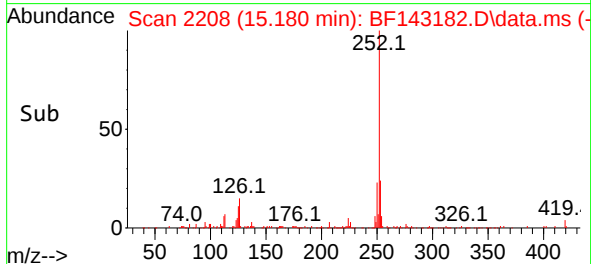
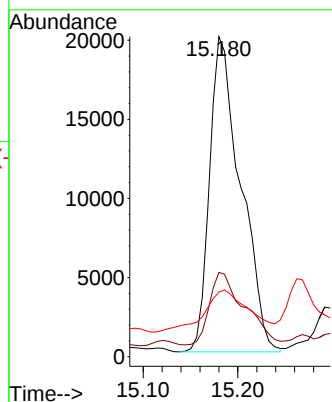
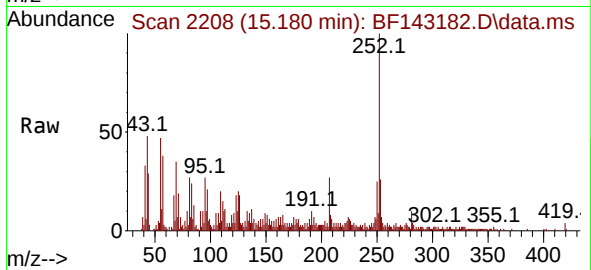
Tgt Ion:252 Resp: 45492

Ion Ratio Lower Upper

252 100

253 26.3 17.5 26.3#

125 20.2 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 4.156 ng

RT: 15.180 min Scan# 2208

Delta R.T. -0.030 min

Lab File: BF143182.D

Acq: 22 Jul 2025 11:25

Tgt Ion:252 Resp: 45492

Ion Ratio Lower Upper

252 100

253 26.3 17.8 26.6

125 20.2 8.1 12.1#

