

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143183.D
 Acq On : 22 Jul 2025 11:54
 Operator : RC/JU
 Sample : Q2638-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-32-071725

Quant Time: Jul 22 12:15:40 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)

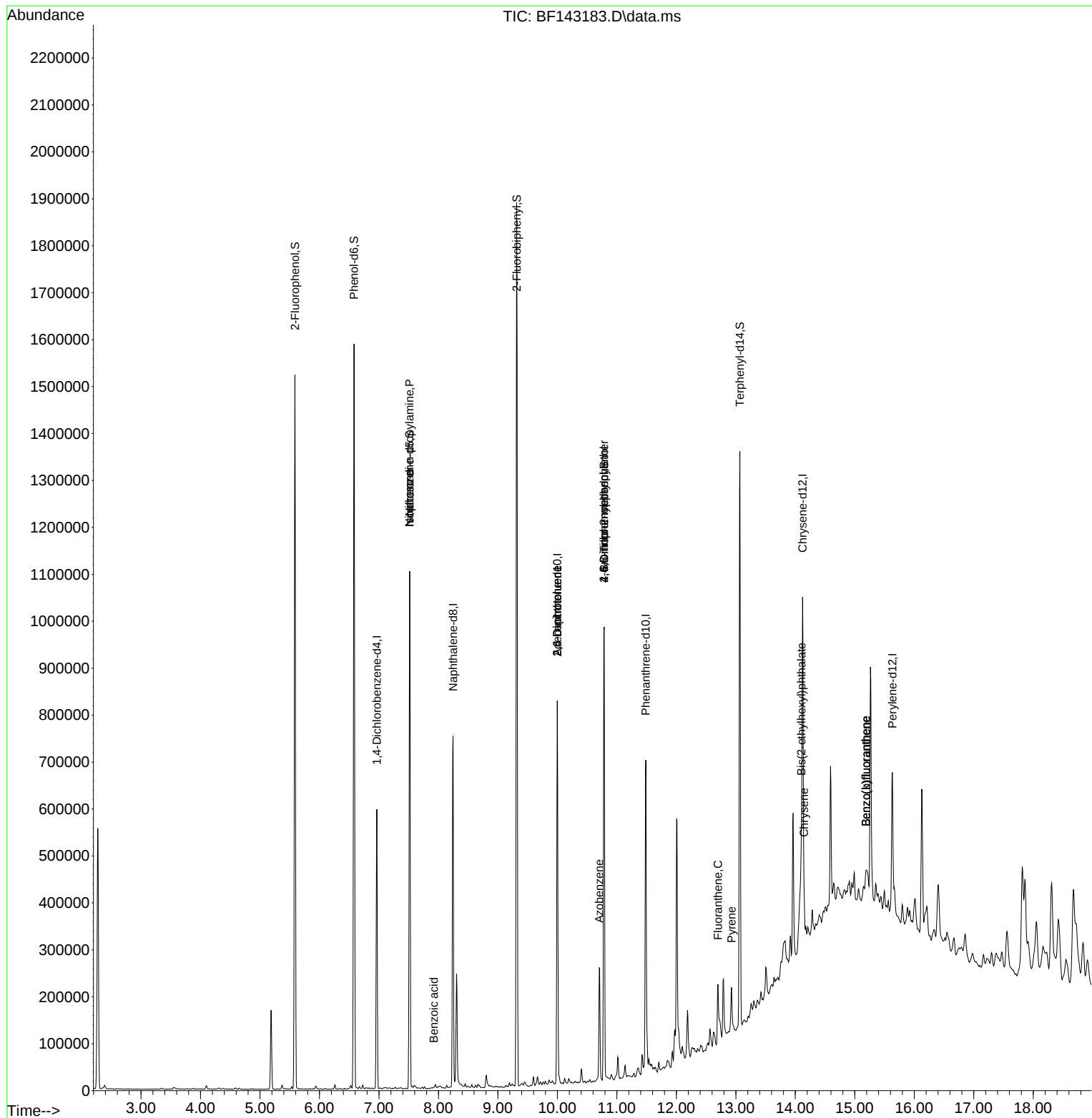
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	117582	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	450721	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	228492	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	338067	20.000	ng	0.00
76) Chrysene-d12	14.121	240	263230	20.000	ng	0.00
86) Perylene-d12	15.633	264	173480	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	532601	71.680	ng	0.00
7) Phenol-d6	6.581	99	702559	75.121	ng	0.00
23) Nitrobenzene-d5	7.516	82	453500	50.154	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	163544	69.285	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	784924	46.981	ng	0.00
79) Terphenyl-d14	13.069	244	586899	33.179	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	61065	10.177	ng	# 81
25) Isophorone	7.516	82	450113	28.199	ng	# 66
32) Benzoic acid	7.922	122	666	5.319	ng	93
51) 2,6-Dinitrotoluene	9.998	165	29039	9.584	ng	# 23
57) 2,4-Dinitrotoluene	9.998	165	29039	7.639	ng	# 21
63) Azobenzene	10.704	77	51769	3.374	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.786	198	387	5.606	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	10634	2.639	ng	# 1
75) Fluoranthene	12.698	202	56039	3.401	ng	97
78) Pyrene	12.927	202	54452	2.424	ng	98
83) Chrysene	14.145	228	36271	2.289	ng	# 91
84) Bis(2-ethylhexyl)phtha...	14.104	149	31511	3.026	ng	# 98
88) Benzo(b)fluoranthene	15.186	252	43334	4.089	ng	# 65
89) Benzo(k)fluoranthene	15.186	252	43334	4.582	ng	# 66

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

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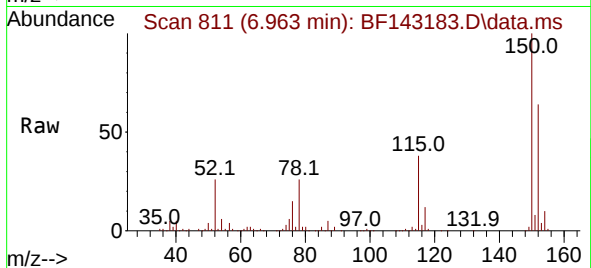
Quant Time: Jul 22 12:15:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
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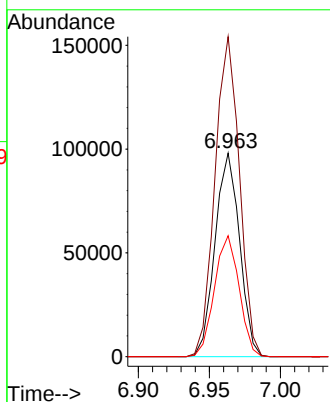
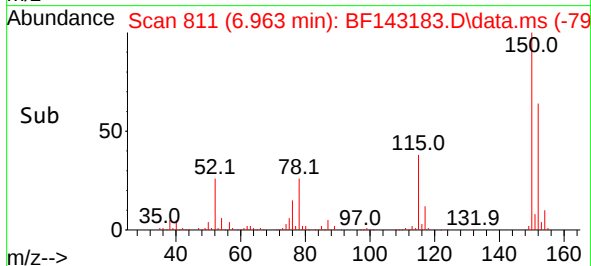


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143183.D
Acq: 22 Jul 2025 11:54

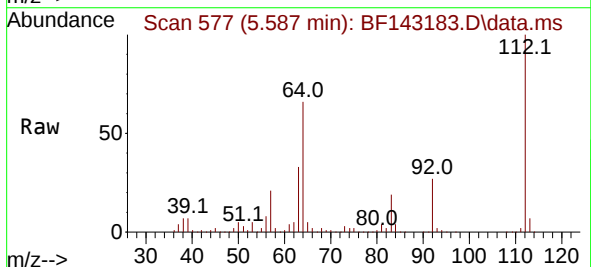
Instrument :
BNA_F
ClientSampleId :
OU4-TS-32-071725



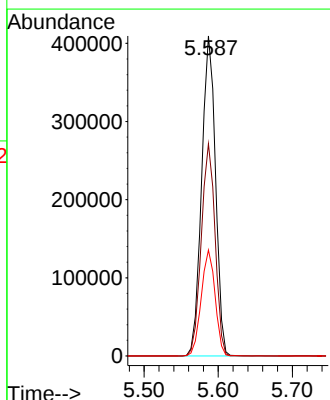
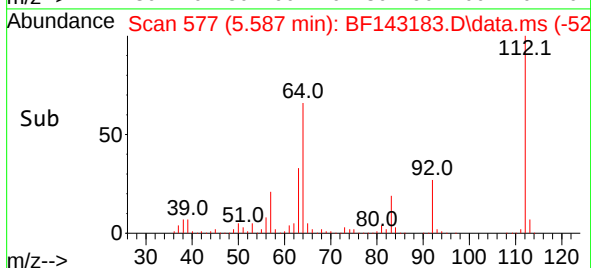
Tgt Ion:152 Resp: 117582
Ion Ratio Lower Upper
152 100
150 157.3 128.2 192.4
115 59.5 47.9 71.9

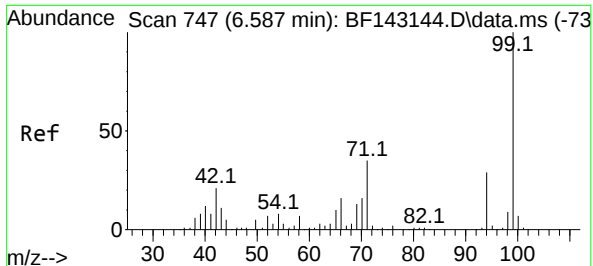


#5
2-Fluorophenol
Concen: 71.680 ng
RT: 5.587 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF143183.D
Acq: 22 Jul 2025 11:54



Tgt Ion:112 Resp: 532601
Ion Ratio Lower Upper
112 100
64 66.3 53.1 79.7
63 33.1 26.6 40.0

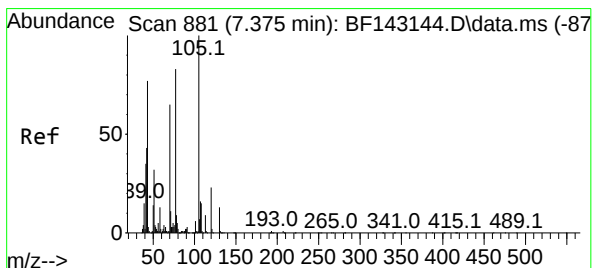
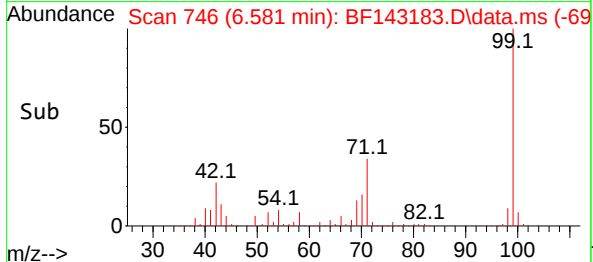
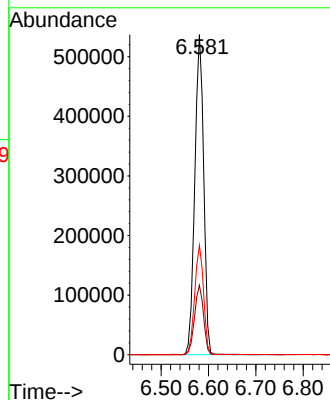
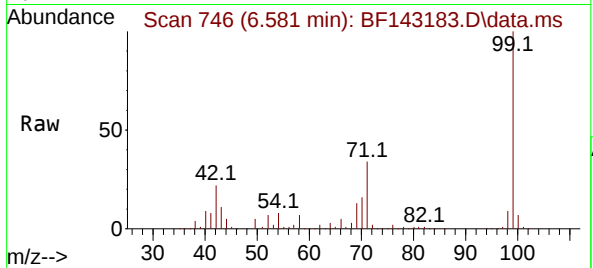




#7
Phenol-d6
Concen: 75.121 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143183.D
Acq: 22 Jul 2025 11:54

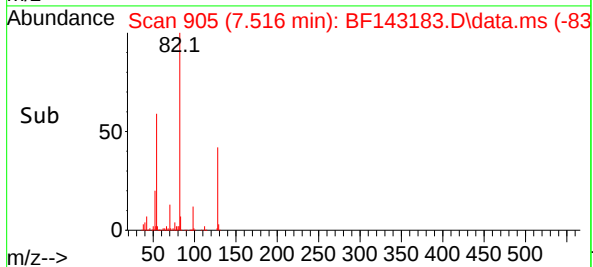
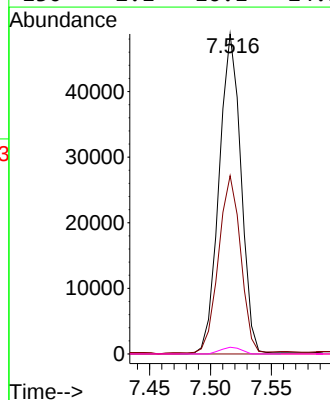
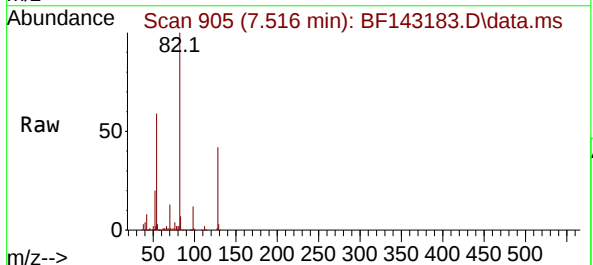
Instrument :
BNA_F
ClientSampleId :
OU4-TS-32-071725

Tgt Ion: 99 Resp: 702559
Ion Ratio Lower Upper
99 100
42 21.7 17.0 25.6
71 34.2 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 10.177 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143183.D
Acq: 22 Jul 2025 11:54

Tgt Ion: 70 Resp: 61065
Ion Ratio Lower Upper
70 100
42 55.7 52.5 78.7
101 0.0 7.6 11.4#
130 2.1 16.1 24.1#

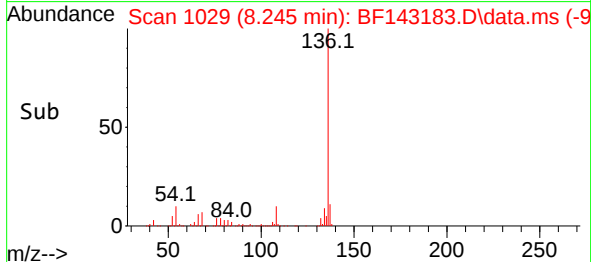
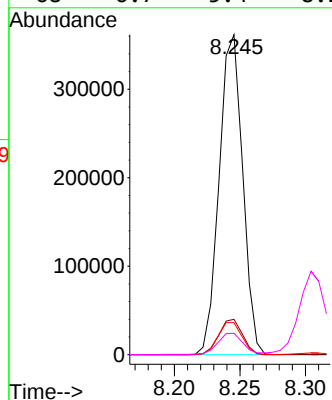
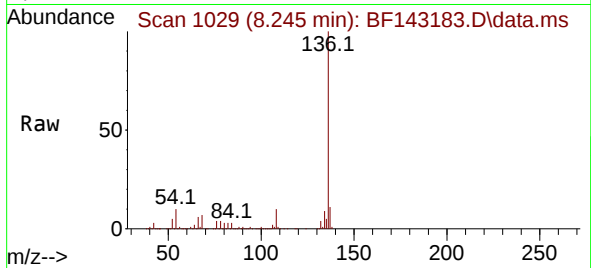




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143183.D
Acq: 22 Jul 2025 11:54

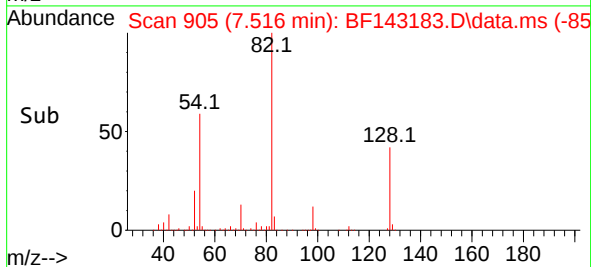
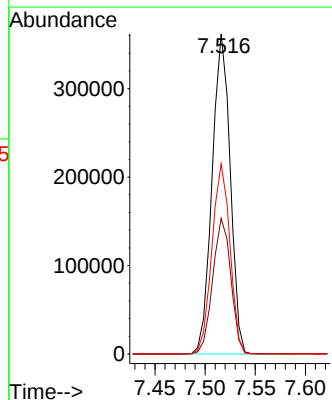
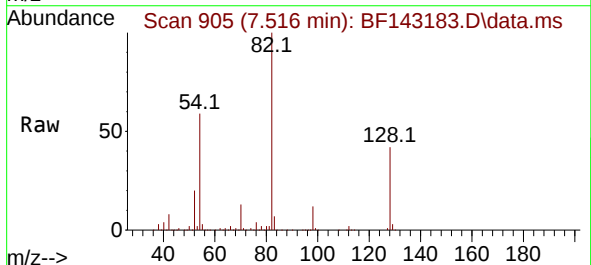
Instrument :
BNA_F
ClientSampleId :
OU4-TS-32-071725

Tgt Ion:	136	Resp:	450721
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.0	8.2	12.2
68	6.7	5.4	8.2



#23
Nitrobenzene-d5
Concen: 50.154 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143183.D
Acq: 22 Jul 2025 11:54

Tgt Ion:	82	Resp:	453500
Ion	Ratio	Lower	Upper
82	100		
128	42.4	33.6	50.4
54	59.4	47.1	70.7

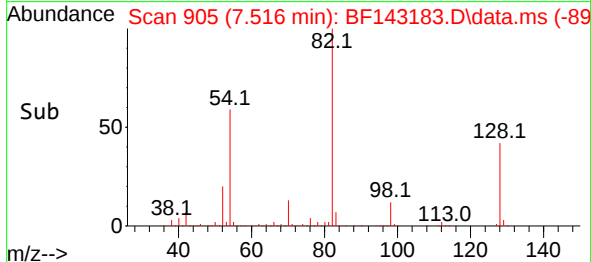
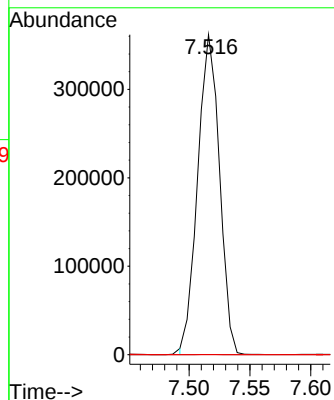
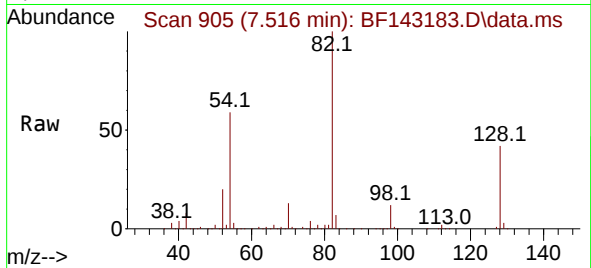




#25
Isophorone
Concen: 28.199 ng
RT: 7.516 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143183.D
Acq: 22 Jul 2025 11:54

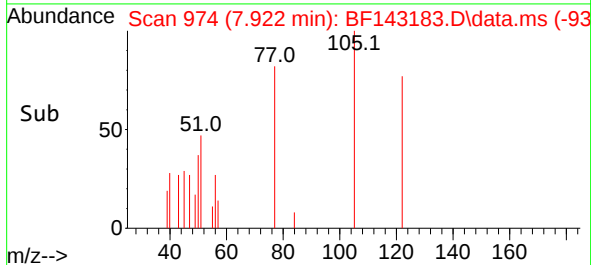
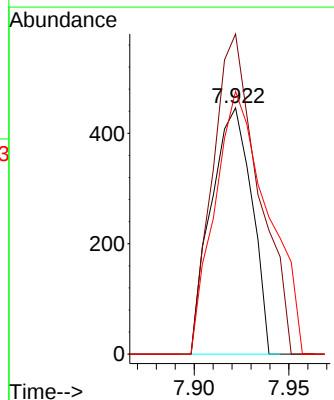
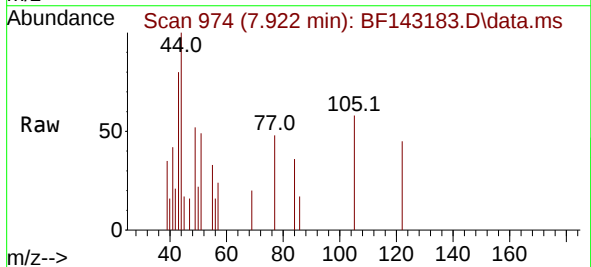
Instrument :
BNA_F
ClientSampleId :
OU4-TS-32-071725

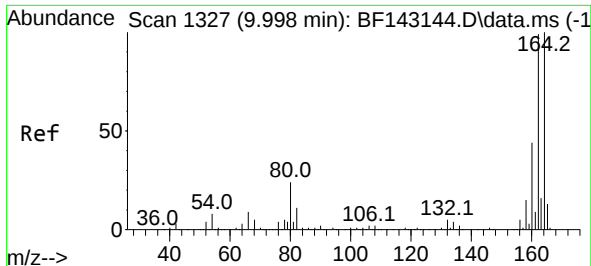
Tgt Ion: 82 Resp: 450113
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 13.8 20.8#



#32
Benzoic acid
Concen: 5.319 ng
RT: 7.922 min Scan# 974
Delta R.T. -0.070 min
Lab File: BF143183.D
Acq: 22 Jul 2025 11:54

Tgt Ion:122 Resp: 666
Ion Ratio Lower Upper
122 100
105 130.0 104.8 144.8
77 106.7 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: BF143183.D

Acq: 22 Jul 2025 11:54

Instrument :

BNA_F

ClientSampleId :

OU4-TS-32-071725

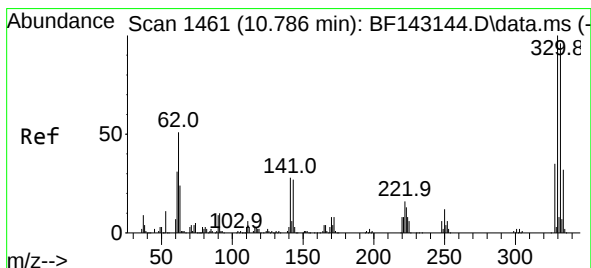
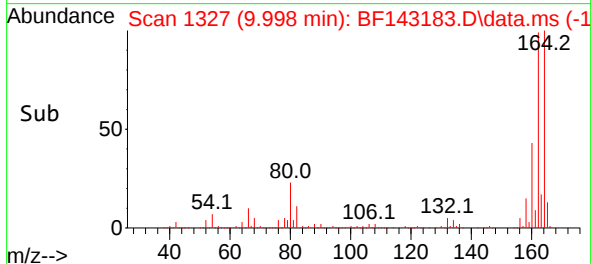
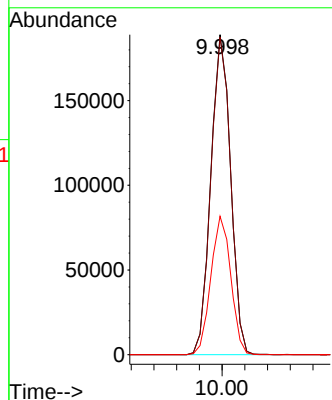
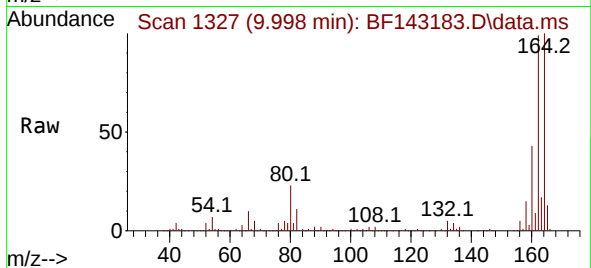
Tgt Ion:164 Resp: 228492

Ion Ratio Lower Upper

164 100

162 99.3 79.0 118.6

160 43.3 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 69.285 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.000 min

Lab File: BF143183.D

Acq: 22 Jul 2025 11:54

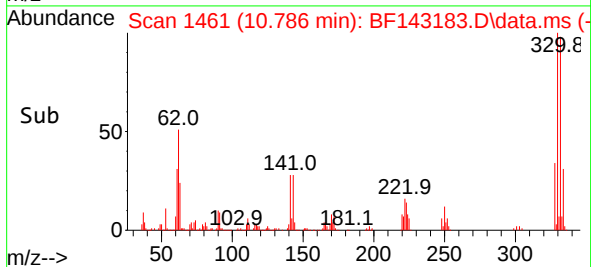
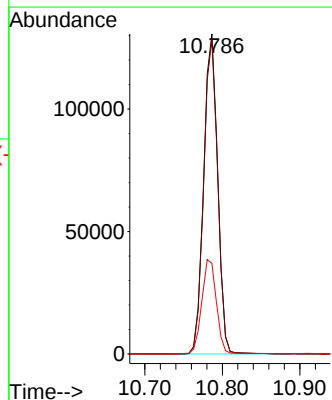
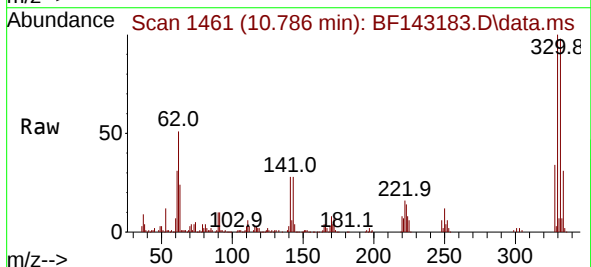
Tgt Ion:330 Resp: 163544

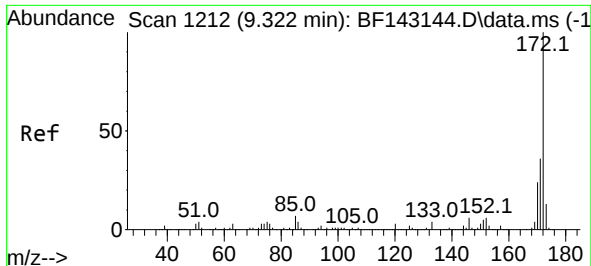
Ion Ratio Lower Upper

330 100

332 97.9 76.7 115.1

141 31.2 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 46.981 ng

RT: 9.316 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143183.D

Acq: 22 Jul 2025 11:54

Instrument :

BNA_F

ClientSampleId :

OU4-TS-32-071725

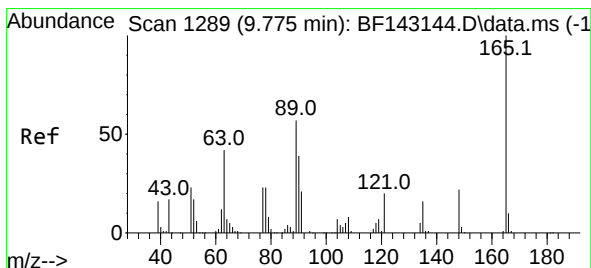
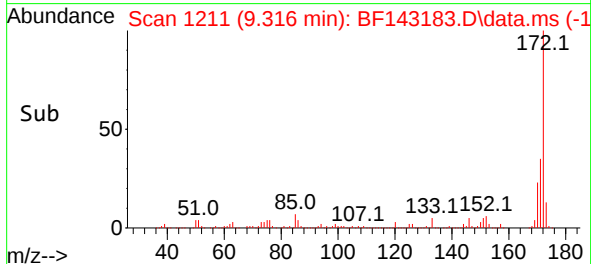
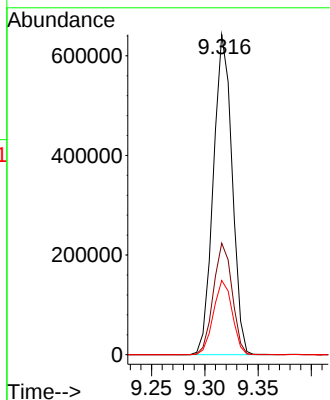
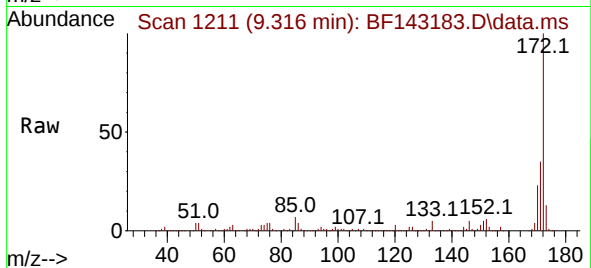
Tgt Ion:172 Resp: 784924

Ion Ratio Lower Upper

172 100

171 34.9 28.6 42.8

170 23.2 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 9.584 ng

RT: 9.998 min Scan# 1327

Delta R.T. 0.224 min

Lab File: BF143183.D

Acq: 22 Jul 2025 11:54

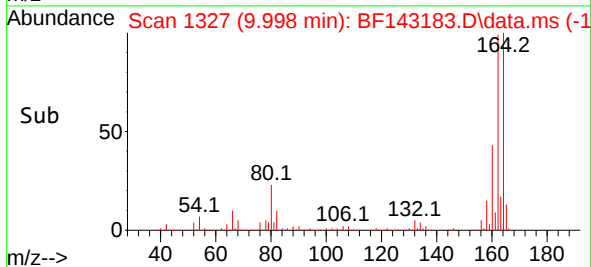
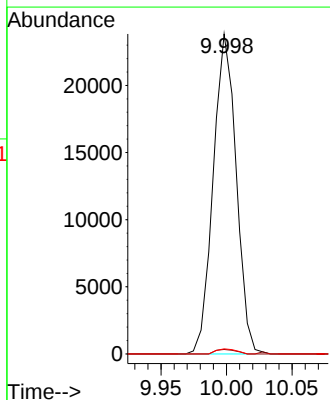
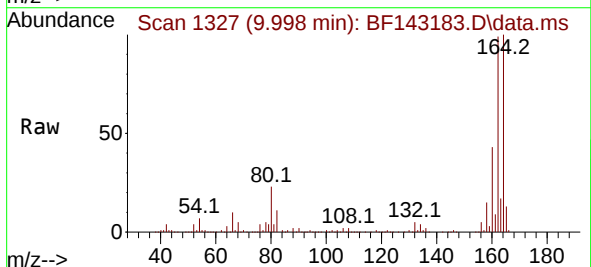
Tgt Ion:165 Resp: 29039

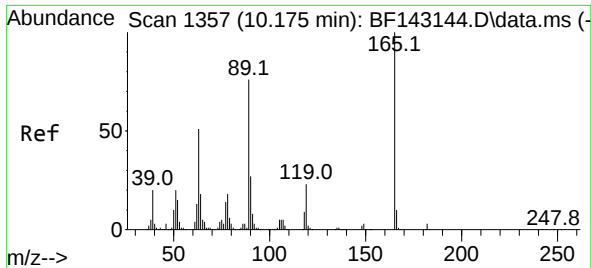
Ion Ratio Lower Upper

165 100

63 1.4 49.4 74.2#

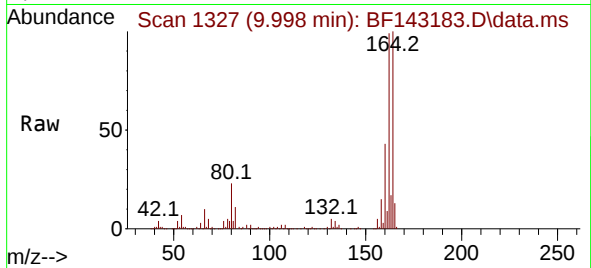
89 1.6 46.2 69.2#



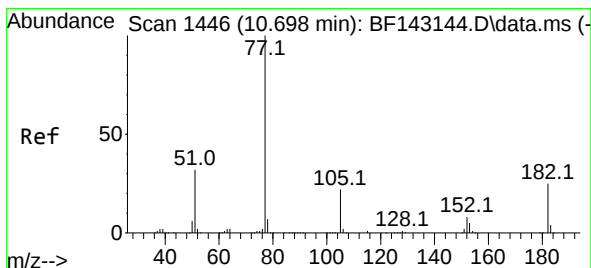
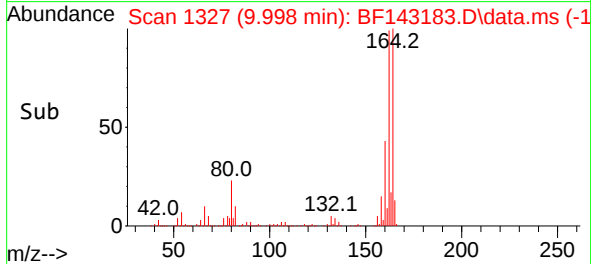
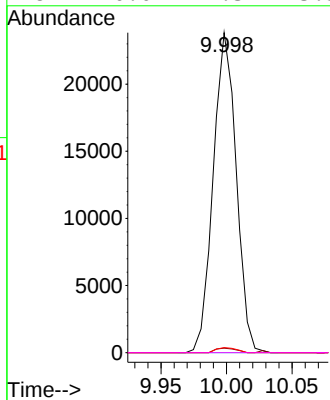


#57
2,4-Dinitrotoluene
Concen: 7.639 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.176 min
Lab File: BF143183.D
Acq: 22 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
OU4-TS-32-071725

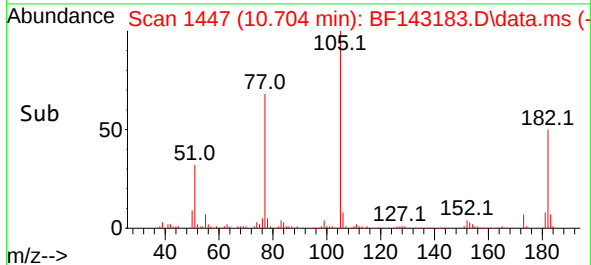
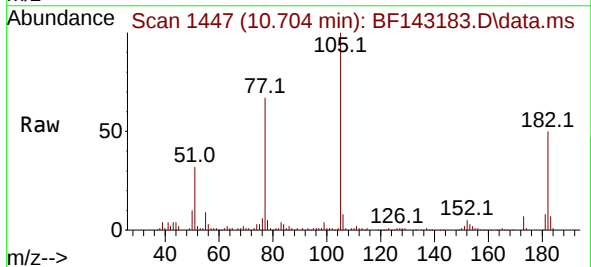
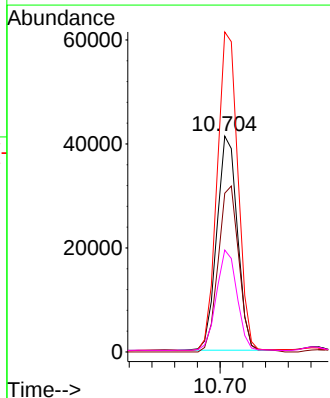


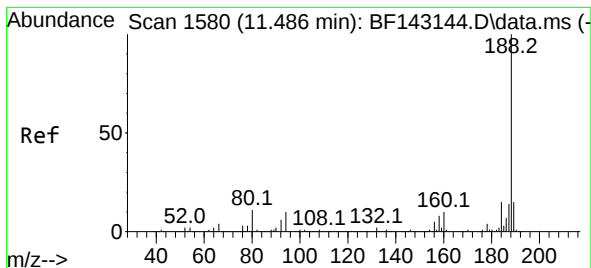
Tgt Ion:165 Resp: 29039
Ion Ratio Lower Upper
165 100
63 1.4 41.0 61.4#
89 1.6 61.1 91.7#
182 0.0 2.3 3.5#



#63
Azobenzene
Concen: 3.374 ng
RT: 10.704 min Scan# 1447
Delta R.T. 0.006 min
Lab File: BF143183.D
Acq: 22 Jul 2025 11:54

Tgt Ion: 77 Resp: 51769
Ion Ratio Lower Upper
77 100
182 73.5 4.6 44.6#
105 148.2 1.4 41.4#
51 47.2 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: BF143183.D

Acq: 22 Jul 2025 11:54

Instrument :

BNA_F

ClientSampleId :

OU4-TS-32-071725

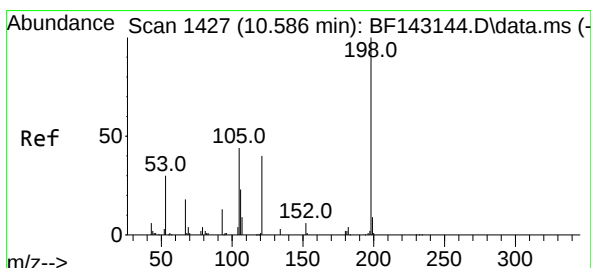
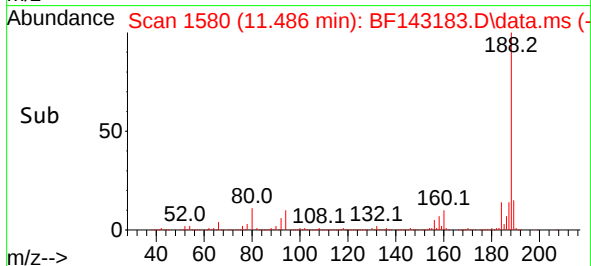
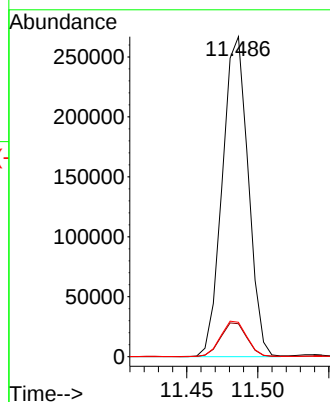
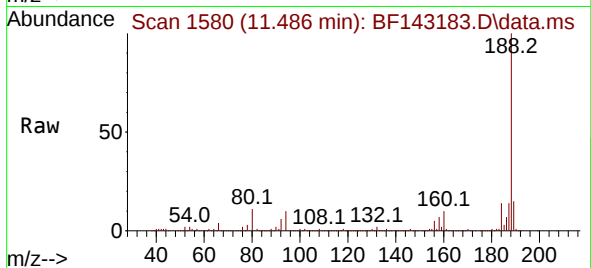
Tgt Ion:188 Resp: 338067

Ion Ratio Lower Upper

188 100

94 10.3 8.3 12.5

80 10.8 9.0 13.6



#65

4,6-Dinitro-2-methylphenol

Concen: 5.606 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.200 min

Lab File: BF143183.D

Acq: 22 Jul 2025 11:54

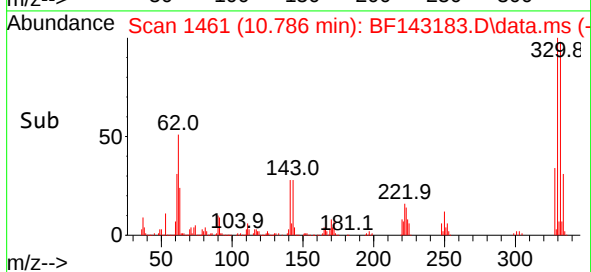
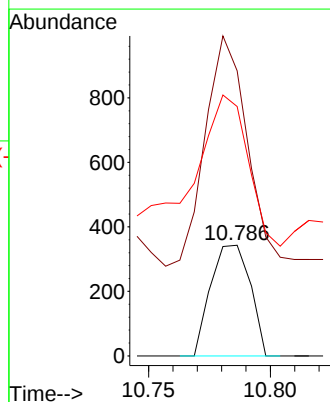
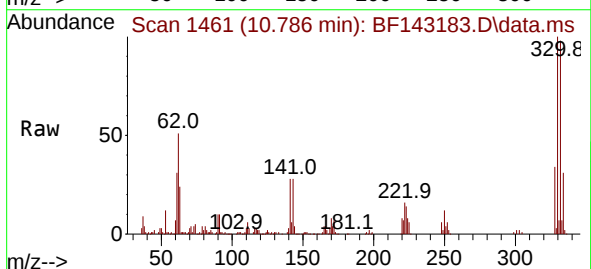
Tgt Ion:198 Resp: 387

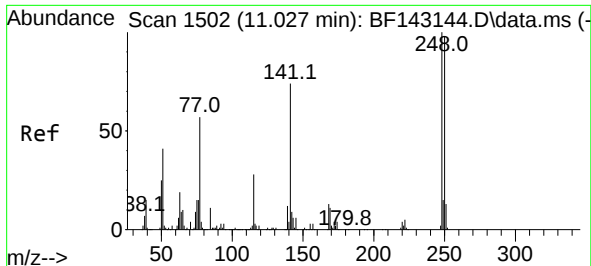
Ion Ratio Lower Upper

198 100

51 257.7 37.2 77.2#

105 225.4 24.8 64.8#

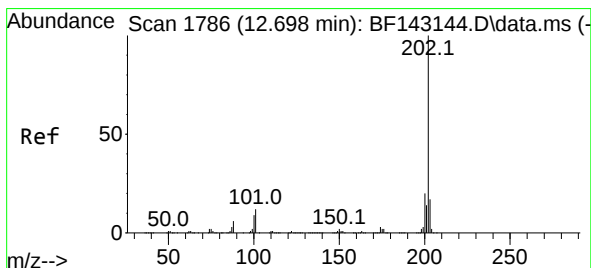
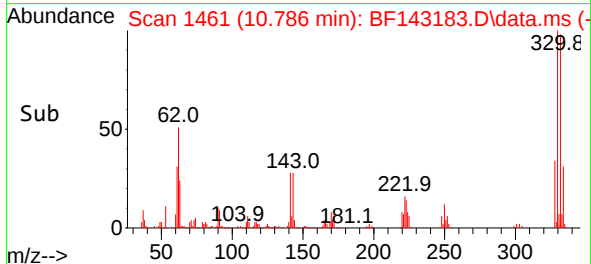
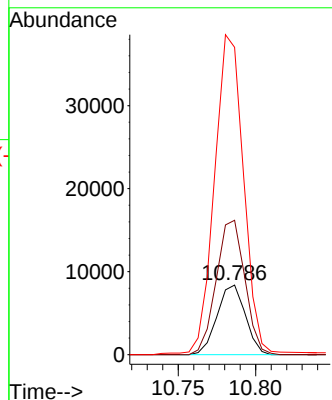
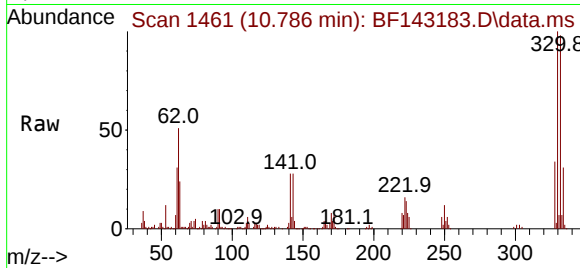




#67
4-Bromophenyl-phenylether
Concen: 2.639 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.241 min
Lab File: BF143183.D
Acq: 22 Jul 2025 11:54

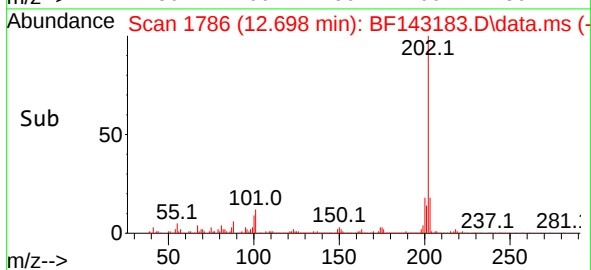
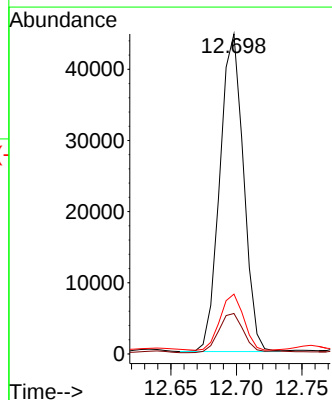
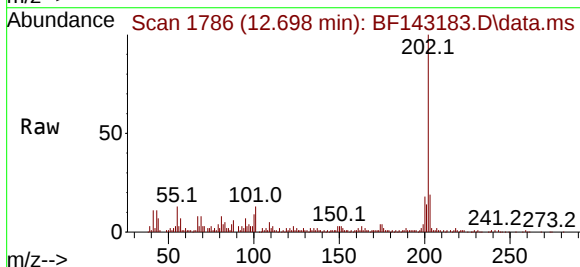
Instrument :
BNA_F
ClientSampleId :
OU4-TS-32-071725

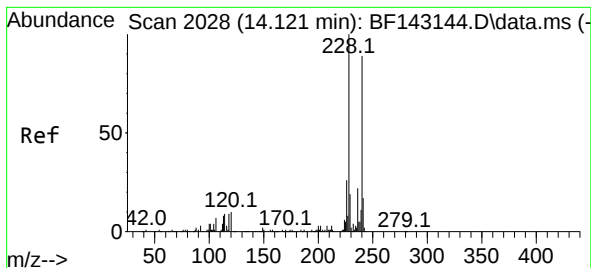
Tgt Ion:248 Resp: 10634
Ion Ratio Lower Upper
248 100
250 193.1 78.3 117.5#
141 441.5 59.2 88.8#



#75
Fluoranthene
Concen: 3.401 ng
RT: 12.698 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BF143183.D
Acq: 22 Jul 2025 11:54

Tgt Ion:202 Resp: 56039
Ion Ratio Lower Upper
202 100
101 12.6 0.0 31.7
203 18.7 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.121 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF143183.D

Acq: 22 Jul 2025 11:54

Instrument :

BNA_F

ClientSampleId :

OU4-TS-32-071725

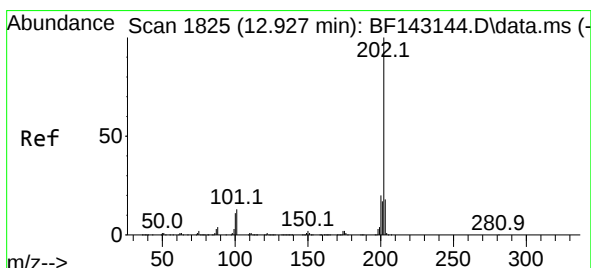
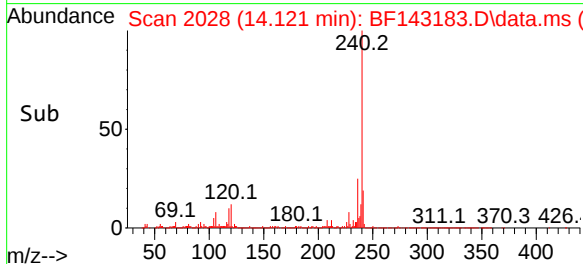
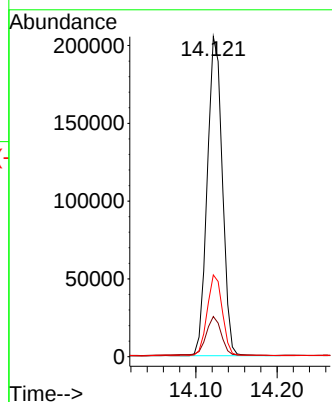
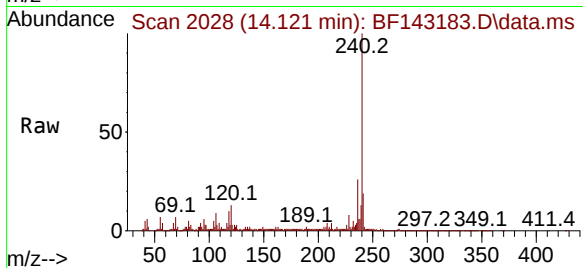
Tgt Ion:240 Resp: 263230

Ion Ratio Lower Upper

240 100

120 12.6 9.4 14.2

236 25.5 20.2 30.4



#78

Pyrene

Concen: 2.424 ng

RT: 12.927 min Scan# 1825

Delta R.T. 0.000 min

Lab File: BF143183.D

Acq: 22 Jul 2025 11:54

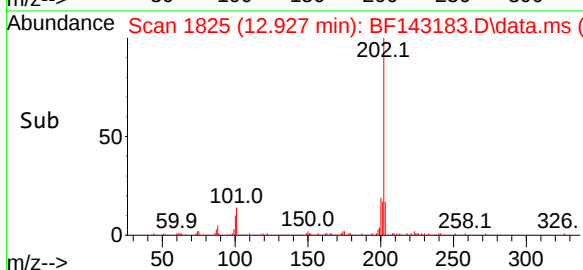
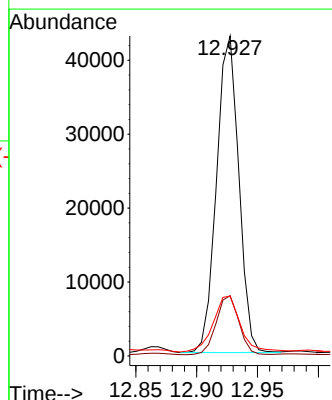
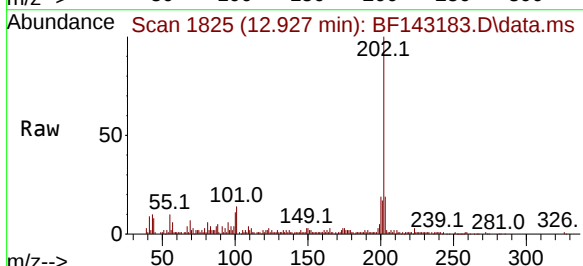
Tgt Ion:202 Resp: 54452

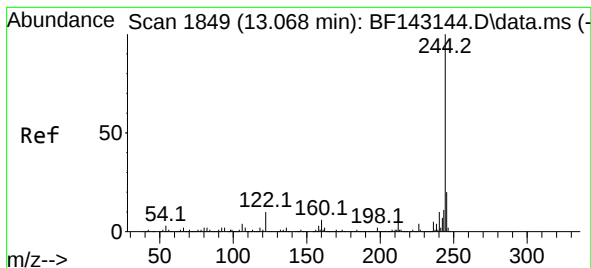
Ion Ratio Lower Upper

202 100

200 18.9 15.7 23.5

203 18.7 14.2 21.2





#79

Terphenyl-d14

Concen: 33.179 ng

RT: 13.069 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BF143183.D

Acq: 22 Jul 2025 11:54

Instrument :

BNA_F

ClientSampleId :

OU4-TS-32-071725

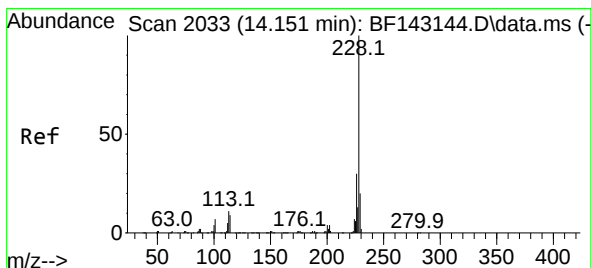
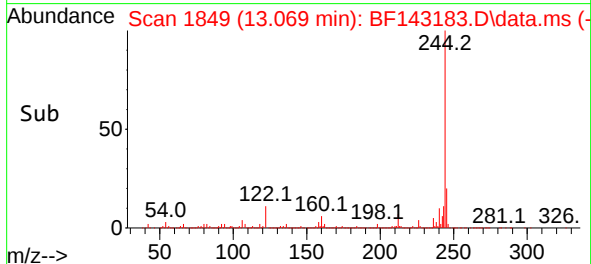
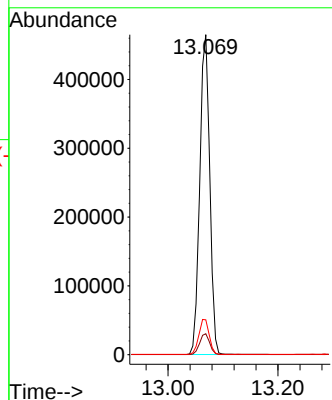
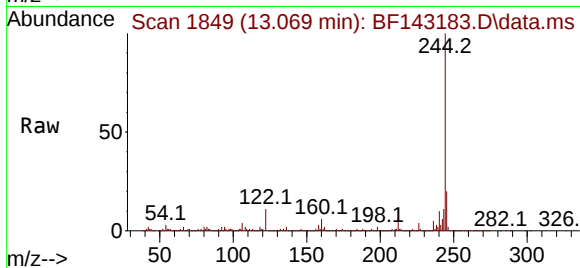
Tgt Ion:244 Resp: 586899

Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

122 10.9 8.2 12.2



#83

Chrysene

Concen: 2.289 ng

RT: 14.145 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF143183.D

Acq: 22 Jul 2025 11:54

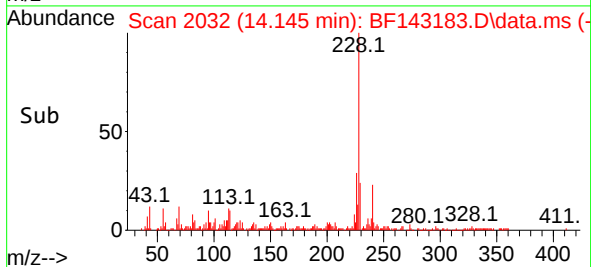
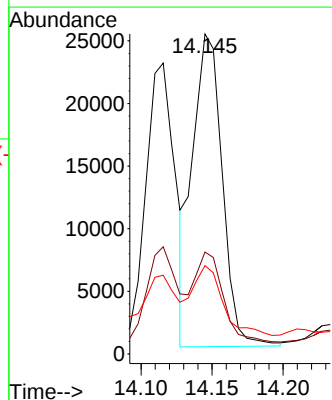
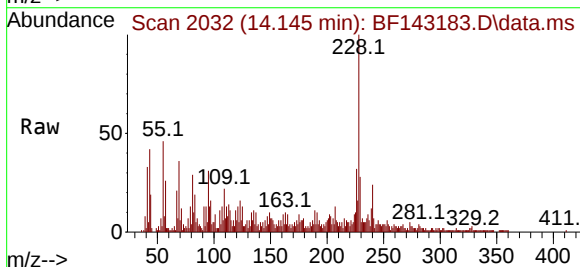
Tgt Ion:228 Resp: 36271

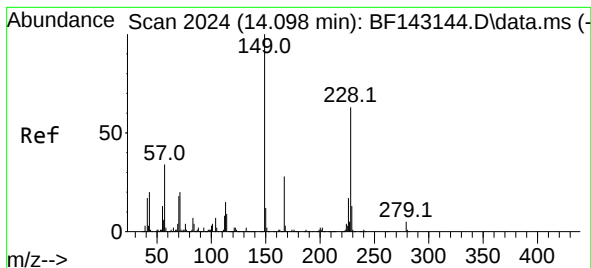
Ion Ratio Lower Upper

228 100

226 31.8 23.8 35.8

229 27.6 15.6 23.4#

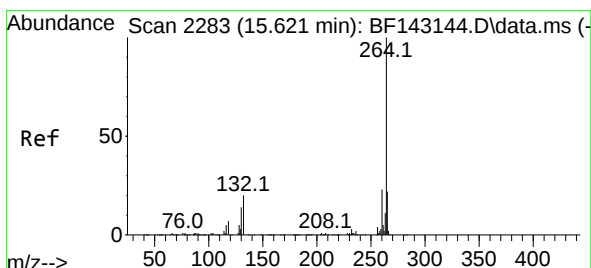
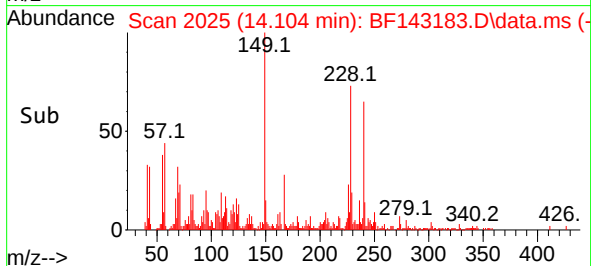
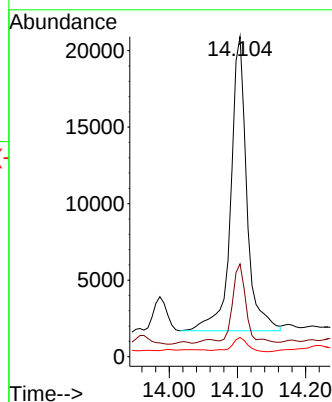
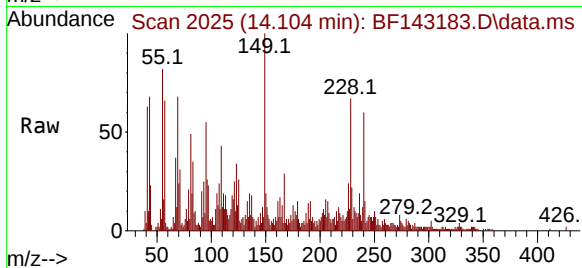




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.026 ng
RT: 14.104 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF143183.D
Acq: 22 Jul 2025 11:54

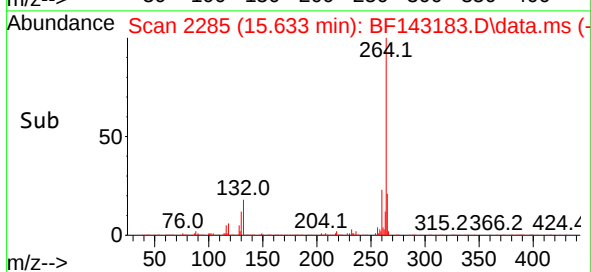
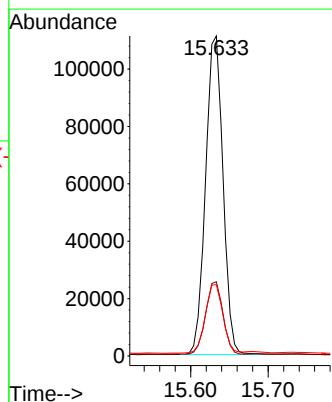
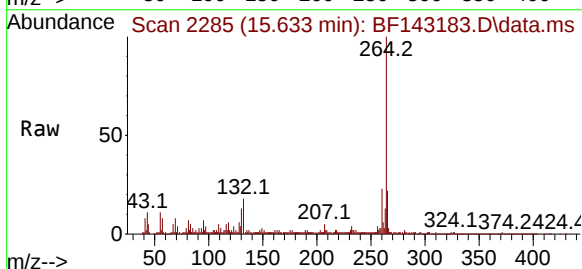
Instrument :
BNA_F
ClientSampleId :
OU4-TS-32-071725

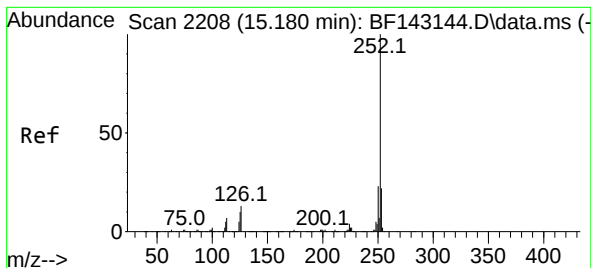
Tgt Ion:149 Resp: 31511
Ion Ratio Lower Upper
149 100
167 29.0 22.3 33.5
279 6.0 3.6 5.4#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. 0.012 min
Lab File: BF143183.D
Acq: 22 Jul 2025 11:54

Tgt Ion:264 Resp: 173480
Ion Ratio Lower Upper
264 100
260 23.2 18.5 27.7
265 22.3 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 4.089 ng

RT: 15.186 min Scan# 2208

Delta R.T. 0.006 min

Lab File: BF143183.D

Acq: 22 Jul 2025 11:54

Instrument :

BNA_F

ClientSampleId :

OU4-TS-32-071725

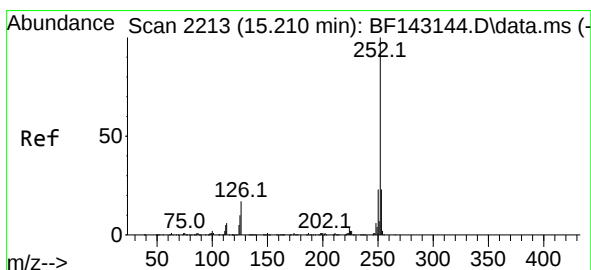
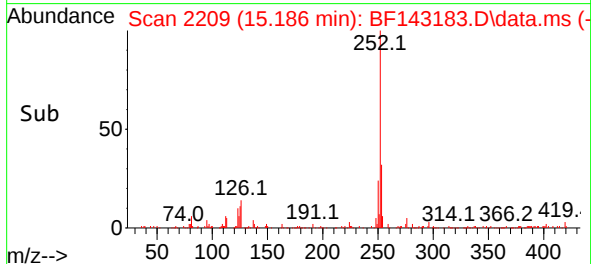
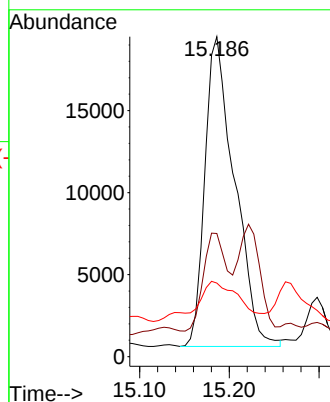
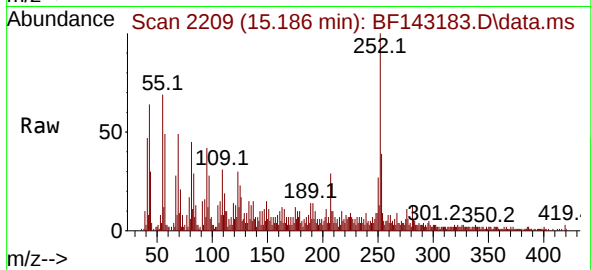
Tgt Ion:252 Resp: 43334

Ion Ratio Lower Upper

252 100

253 38.5 17.5 26.3#

125 23.0 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 4.582 ng

RT: 15.186 min Scan# 2209

Delta R.T. -0.023 min

Lab File: BF143183.D

Acq: 22 Jul 2025 11:54

Tgt Ion:252 Resp: 43334

Ion Ratio Lower Upper

252 100

253 38.5 17.8 26.6#

125 23.0 8.1 12.1#

