

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143185.D
 Acq On : 22 Jul 2025 12:52
 Operator : RC/JU
 Sample : Q2638-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-34-071725

Quant Time: Jul 22 13:33:37 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)

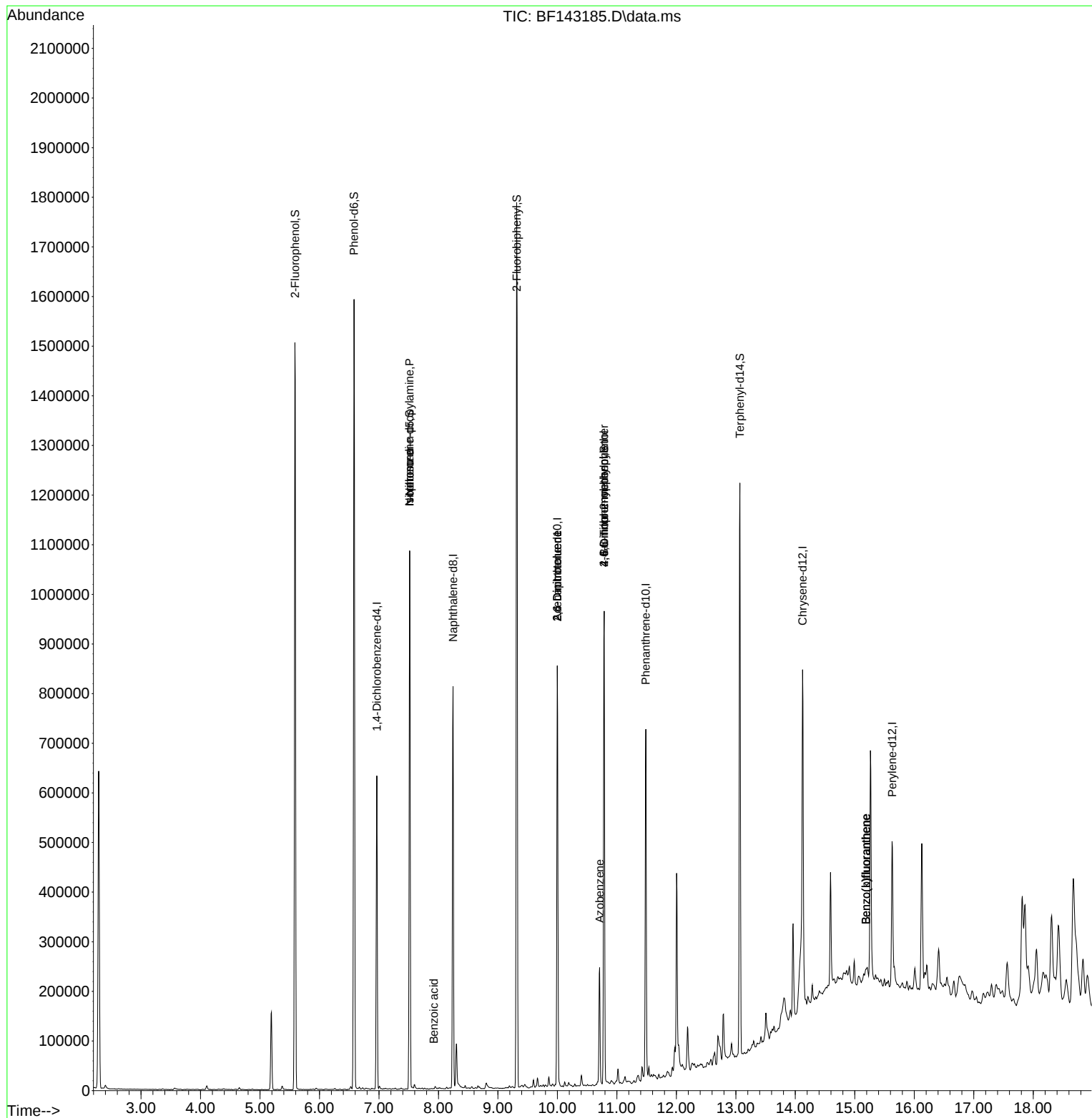
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	125131	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	481550	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	241129	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	348751	20.000	ng	0.00
76) Chrysene-d12	14.121	240	262145	20.000	ng	0.00
86) Perylene-d12	15.627	264	169866	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	541049	68.424	ng	0.00
7) Phenol-d6	6.581	99	703464	70.680	ng	0.00
23) Nitrobenzene-d5	7.516	82	443366	45.894	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	161837	64.969	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	755374	42.843	ng	0.00
79) Terphenyl-d14	13.069	244	544396	30.904	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	58905	9.225	ng	# 80
25) Isophorone	7.516	82	439959	25.798	ng	# 66
32) Benzoic acid	7.922	122	113	5.200	ng	# 74
51) 2,6-Dinitrotoluene	9.998	165	31724	9.922	ng	# 22
57) 2,4-Dinitrotoluene	9.998	165	31724	7.908	ng	# 20
63) Azobenzene	10.710	77	52470	3.241	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.786	198	367	5.591	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	9742	2.344	ng	# 1
88) Benzo(b)fluoranthene	15.186	252	22777	2.195	ng	# 80
89) Benzo(k)fluoranthene	15.186	252	22777	2.460	ng	# 81

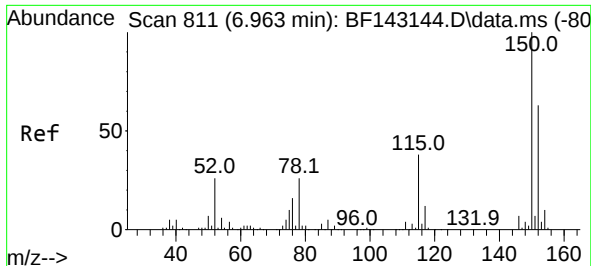
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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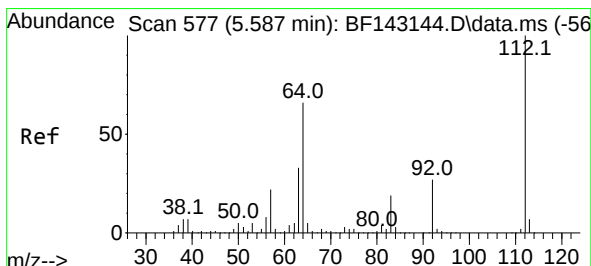
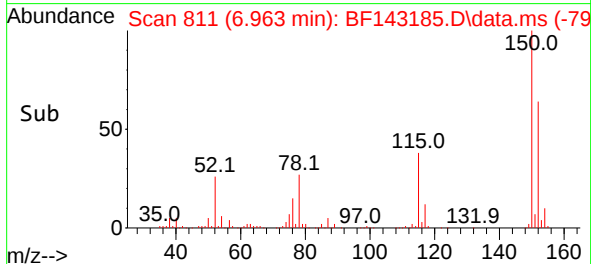
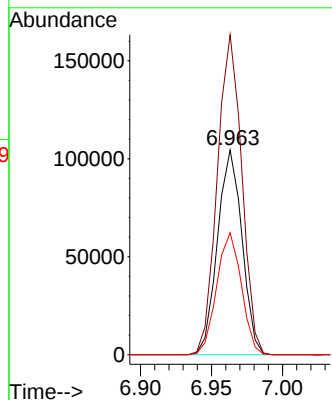
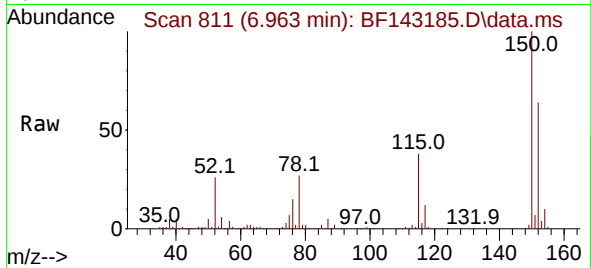




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143185.D
Acq: 22 Jul 2025 12:52

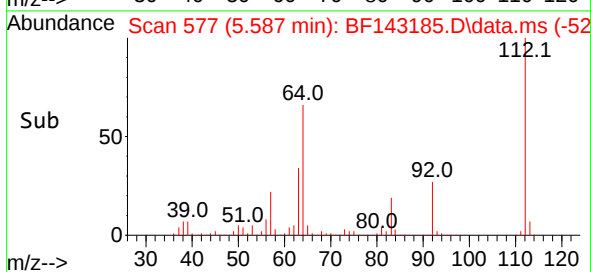
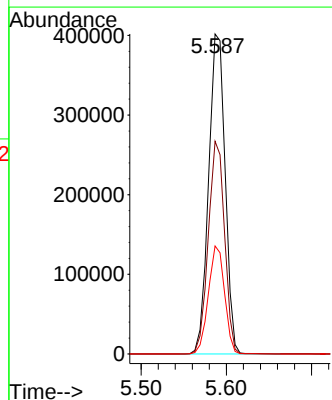
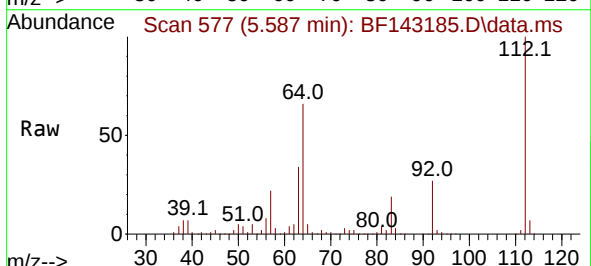
Instrument :
BNA_F
ClientSampleId :
OU4-TS-34-071725

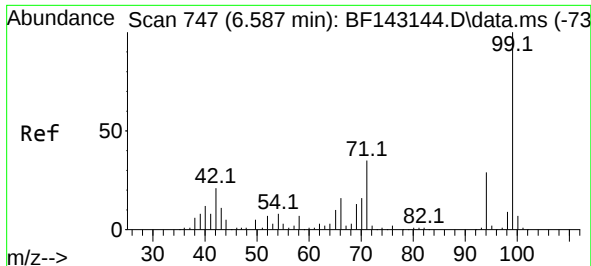
Tgt Ion:152 Resp: 125131
Ion Ratio Lower Upper
152 100
150 156.3 128.2 192.4
115 59.5 47.9 71.9



#5
2-Fluorophenol
Concen: 68.424 ng
RT: 5.587 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF143185.D
Acq: 22 Jul 2025 12:52

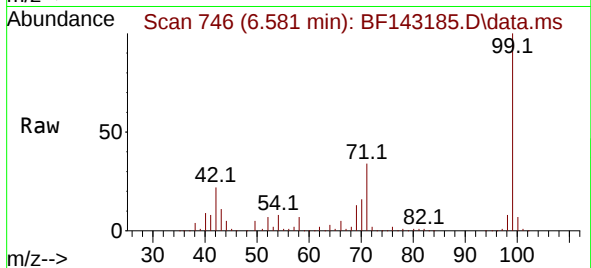
Tgt Ion:112 Resp: 541049
Ion Ratio Lower Upper
112 100
64 66.4 53.1 79.7
63 33.7 26.6 40.0





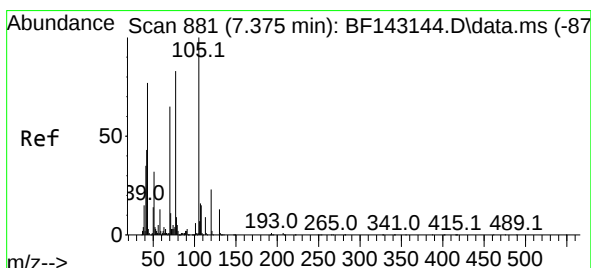
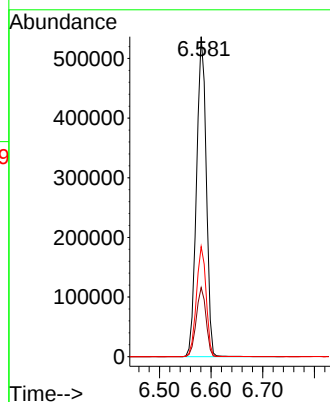
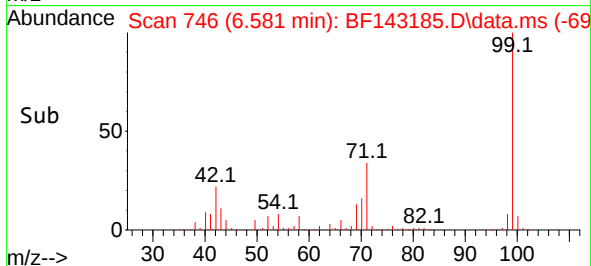
#7
Phenol-d6
Concen: 70.680 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143185.D
Acq: 22 Jul 2025 12:52

Instrument :
BNA_F
ClientSampleId :
OU4-TS-34-071725

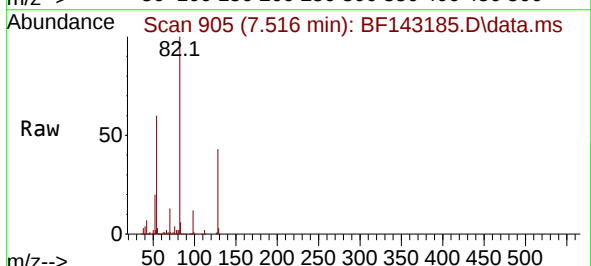


Tgt Ion: 99 Resp: 703464

Ion	Ratio	Lower	Upper
99	100		
42	21.6	17.0	25.6
71	34.4	27.7	41.5

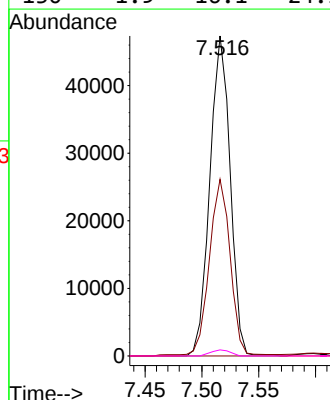
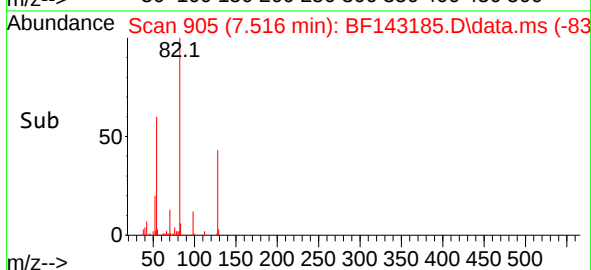


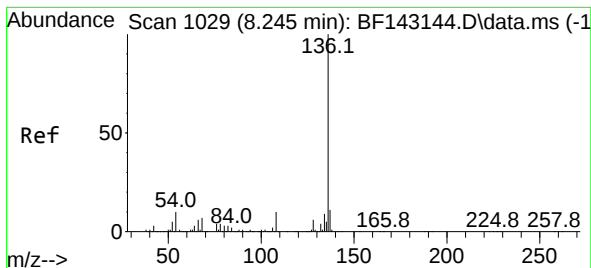
#19
n-Nitroso-di-n-propylamine
Concen: 9.225 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143185.D
Acq: 22 Jul 2025 12:52



Tgt Ion: 70 Resp: 58905

Ion	Ratio	Lower	Upper
70	100		
42	55.2	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# 1

Delta R.T. 0.000 min

Lab File: BF143185.D

Acq: 22 Jul 2025 12:52

Instrument :

BNA_F

ClientSampleId :

OU4-TS-34-071725

Tgt Ion:136 Resp: 481550

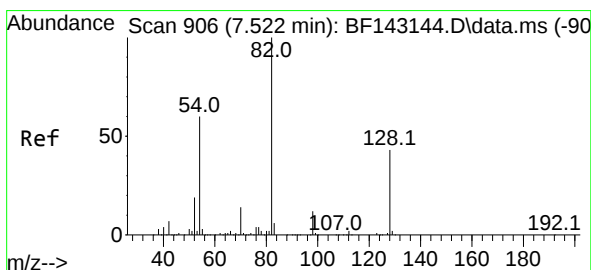
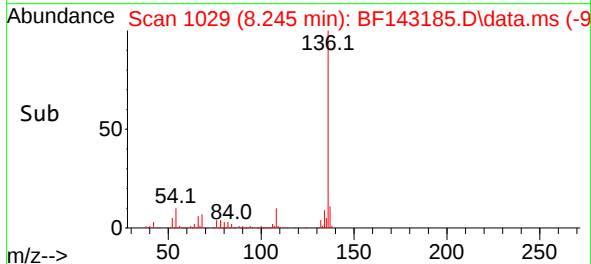
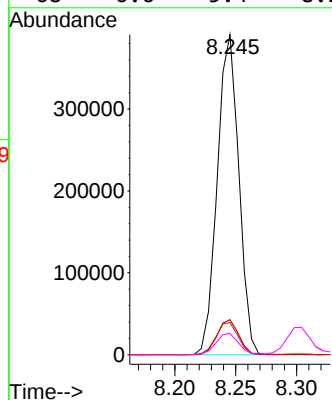
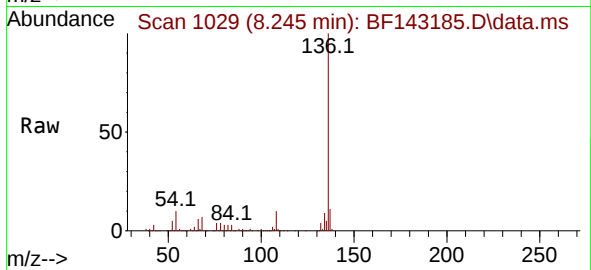
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 10.1 8.2 12.2

68 6.6 5.4 8.2



#23

Nitrobenzene-d5

Concen: 45.894 ng

RT: 7.516 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF143185.D

Acq: 22 Jul 2025 12:52

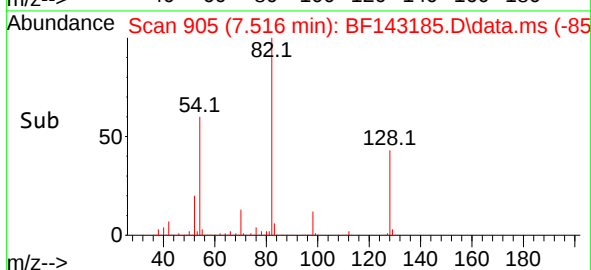
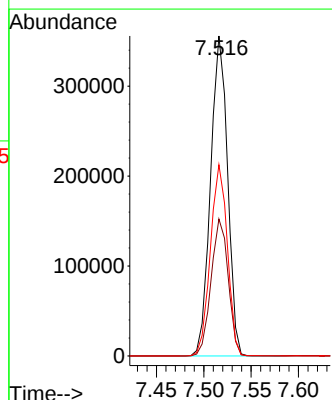
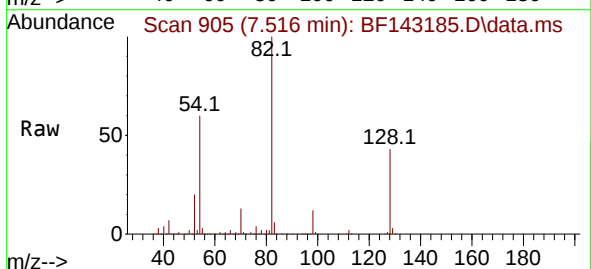
Tgt Ion: 82 Resp: 443366

Ion Ratio Lower Upper

82 100

128 42.8 33.6 50.4

54 59.7 47.1 70.7

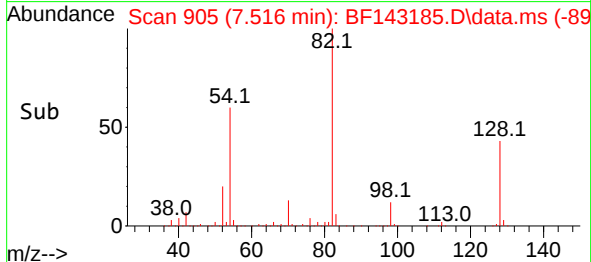
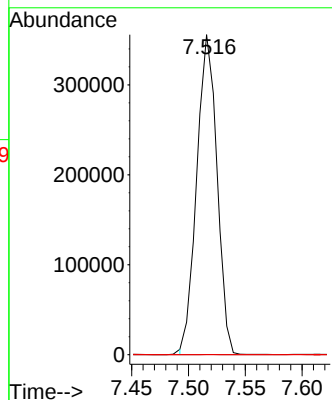
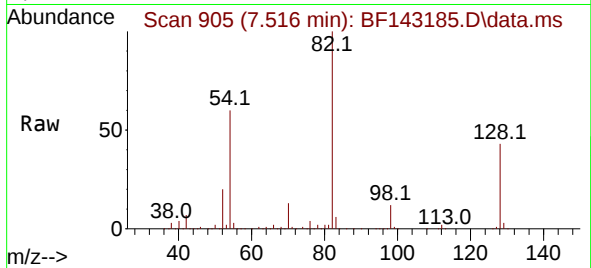




#25
Isophorone
Concen: 25.798 ng
RT: 7.516 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143185.D
Acq: 22 Jul 2025 12:52

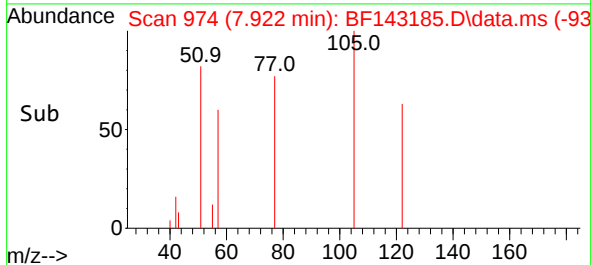
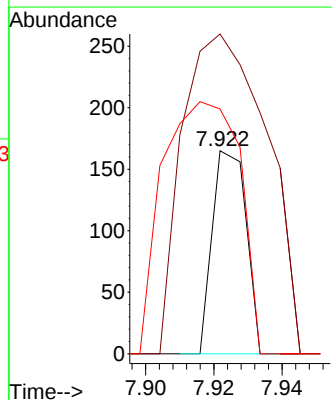
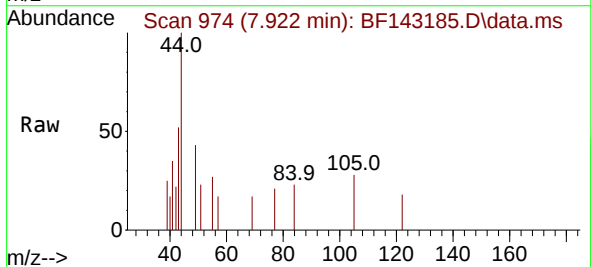
Instrument :
BNA_F
ClientSampleId :
OU4-TS-34-071725

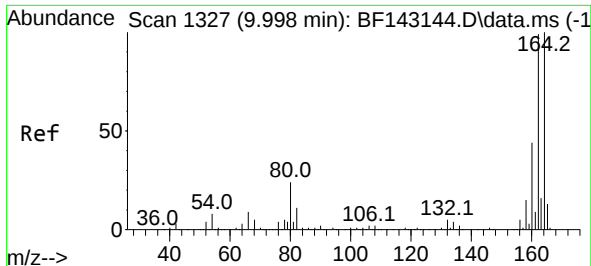
Tgt Ion: 82 Resp: 439959
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#32
Benzoic acid
Concen: 5.200 ng
RT: 7.922 min Scan# 974
Delta R.T. -0.070 min
Lab File: BF143185.D
Acq: 22 Jul 2025 12:52

Tgt Ion:122 Resp: 113
Ion Ratio Lower Upper
122 100
105 157.6 104.8 144.8#
77 120.6 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: BF143185.D

Acq: 22 Jul 2025 12:52

Instrument :

BNA_F

ClientSampleId :

OU4-TS-34-071725

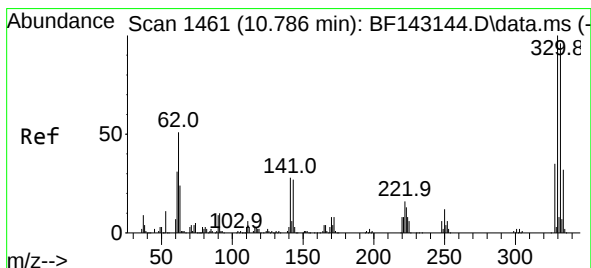
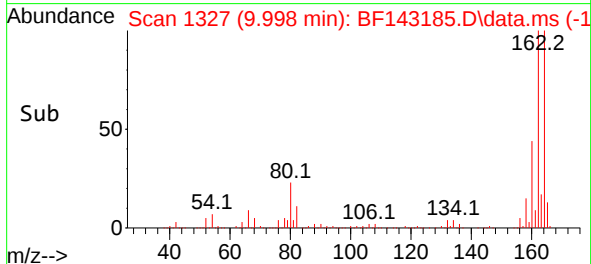
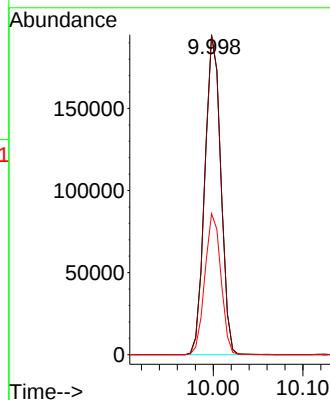
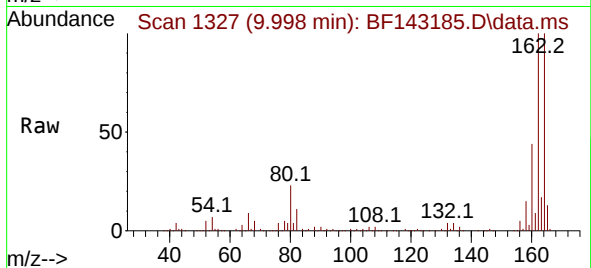
Tgt Ion:164 Resp: 241129

Ion Ratio Lower Upper

164 100

162 99.8 79.0 118.6

160 44.0 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 64.969 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.000 min

Lab File: BF143185.D

Acq: 22 Jul 2025 12:52

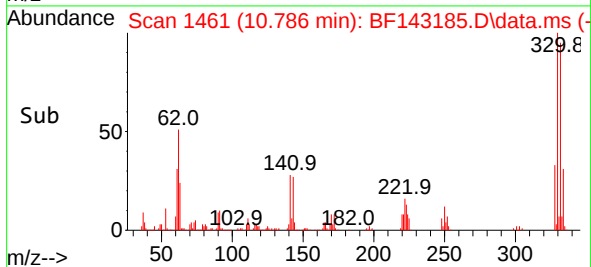
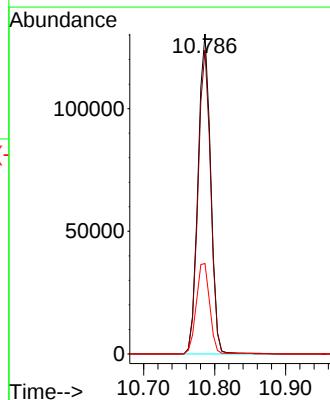
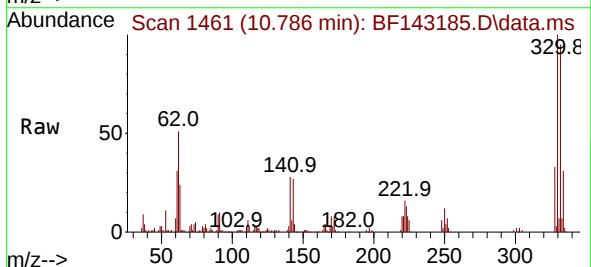
Tgt Ion:330 Resp: 161837

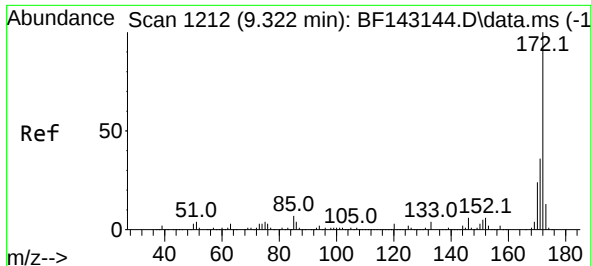
Ion Ratio Lower Upper

330 100

332 94.7 76.7 115.1

141 30.0 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 42.843 ng

RT: 9.316 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143185.D

Acq: 22 Jul 2025 12:52

Instrument :

BNA_F

ClientSampleId :

OU4-TS-34-071725

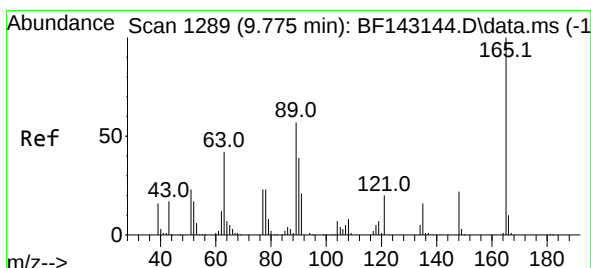
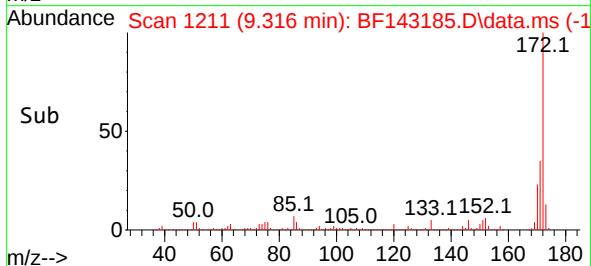
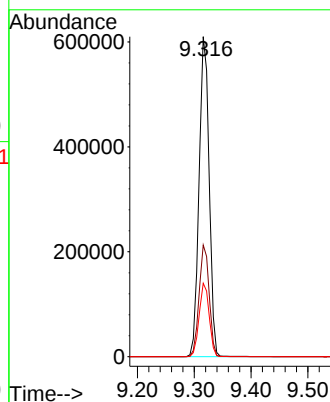
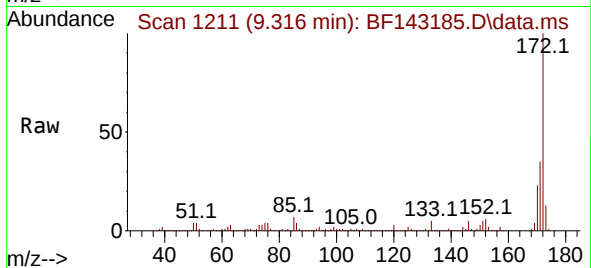
Tgt Ion:172 Resp: 755374

Ion Ratio Lower Upper

172 100

171 34.9 28.6 42.8

170 22.9 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 9.922 ng

RT: 9.998 min Scan# 1327

Delta R.T. 0.224 min

Lab File: BF143185.D

Acq: 22 Jul 2025 12:52

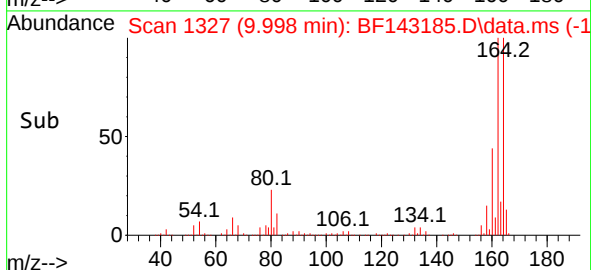
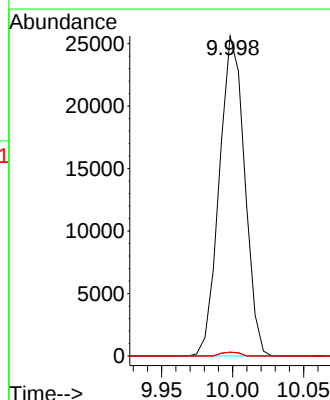
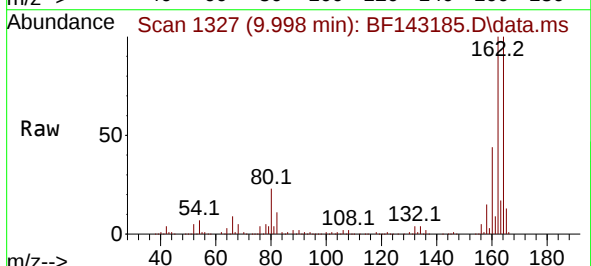
Tgt Ion:165 Resp: 31724

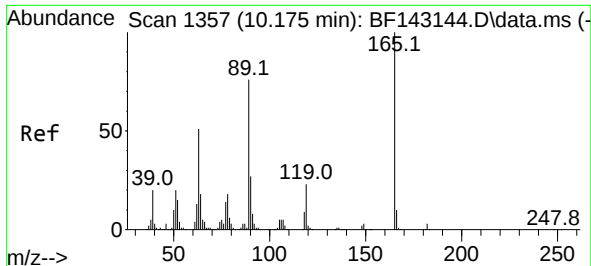
Ion Ratio Lower Upper

165 100

63 1.2 49.4 74.2#

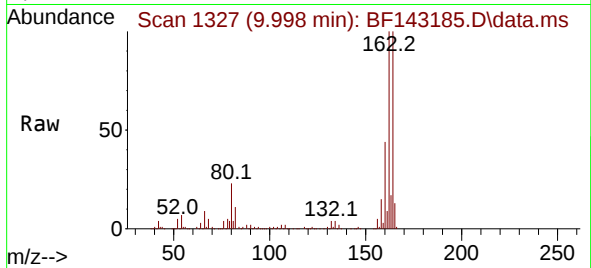
89 1.2 46.2 69.2#



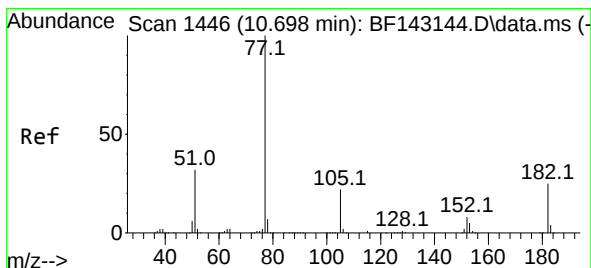
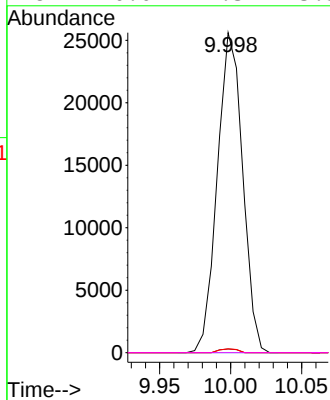
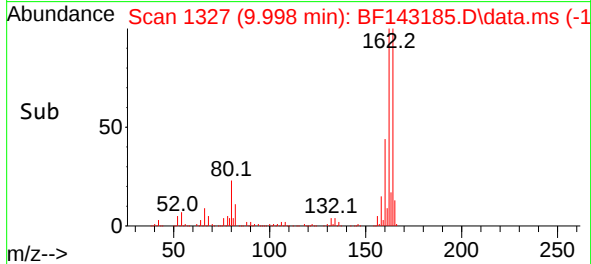


#57
2,4-Dinitrotoluene
Concen: 7.908 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.176 min
Lab File: BF143185.D
Acq: 22 Jul 2025 12:52

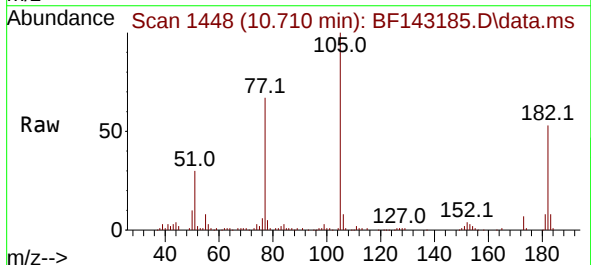
Instrument :
BNA_F
ClientSampleId :
OU4-TS-34-071725



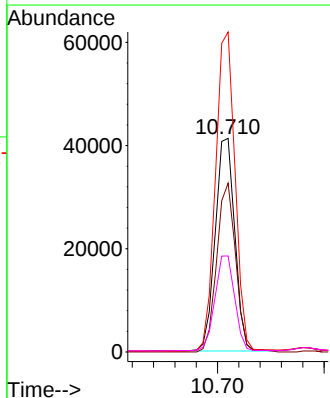
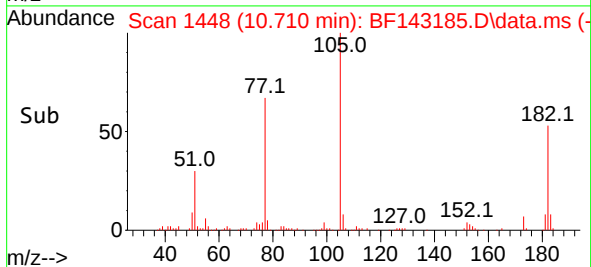
Tgt Ion:165 Resp: 31724
Ion Ratio Lower Upper
165 100
63 1.2 41.0 61.4#
89 1.2 61.1 91.7#
182 0.0 2.3 3.5#

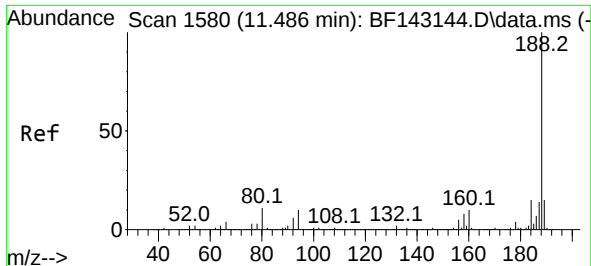


#63
Azobenzene
Concen: 3.241 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.012 min
Lab File: BF143185.D
Acq: 22 Jul 2025 12:52



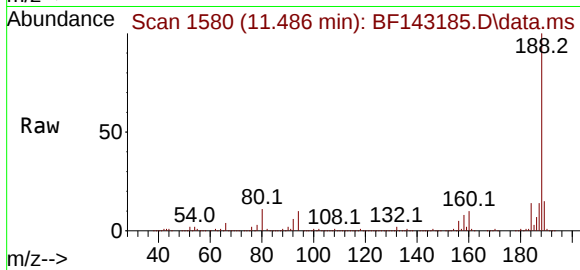
Tgt Ion: 77 Resp: 52470
Ion Ratio Lower Upper
77 100
182 79.0 4.6 44.6#
105 149.8 1.4 41.4#
51 44.9 13.7 53.7



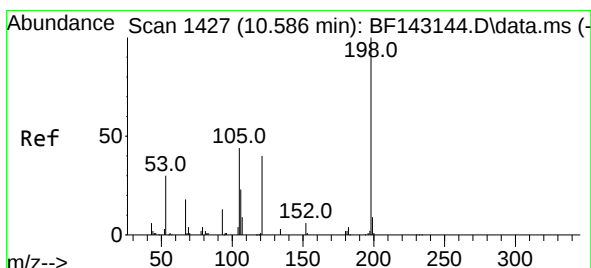
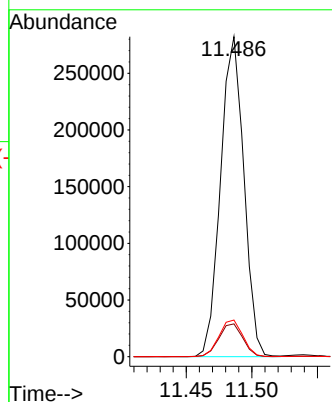
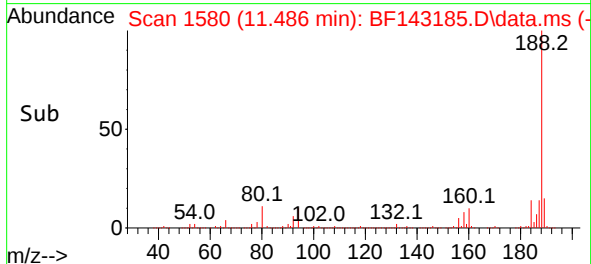


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143185.D
Acq: 22 Jul 2025 12:52

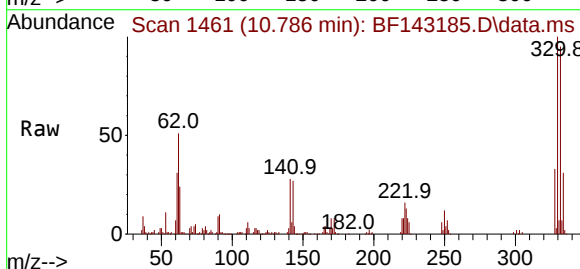
Instrument :
BNA_F
ClientSampleId :
OU4-TS-34-071725



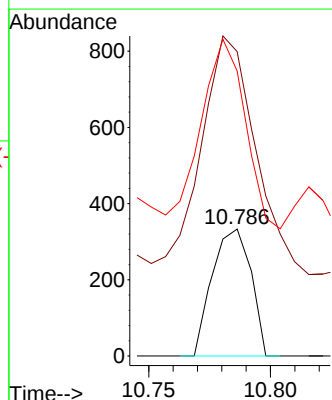
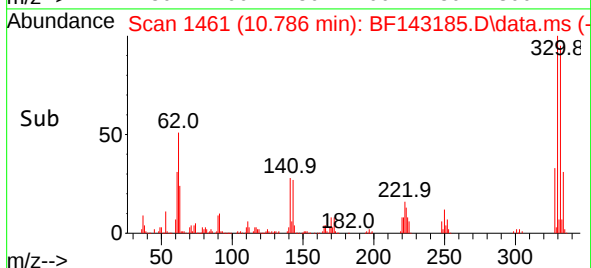
Tgt Ion:188 Resp: 348751
Ion Ratio Lower Upper
188 100
94 10.3 8.3 12.5
80 11.4 9.0 13.6

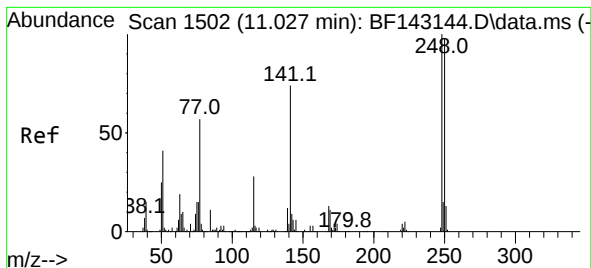


#65
4,6-Dinitro-2-methylphenol
Concen: 5.591 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.200 min
Lab File: BF143185.D
Acq: 22 Jul 2025 12:52



Tgt Ion:198 Resp: 367
Ion Ratio Lower Upper
198 100
51 239.9 37.2 77.2#
105 224.6 24.8 64.8#

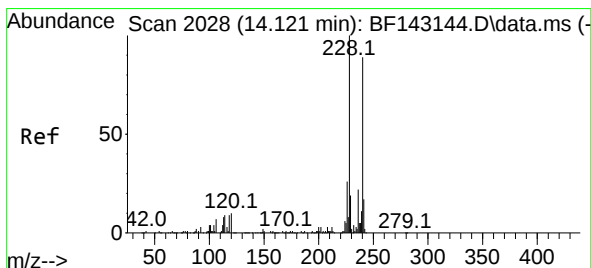
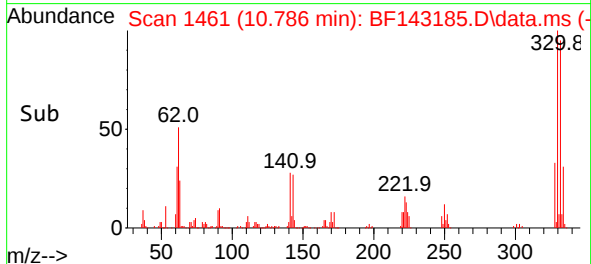
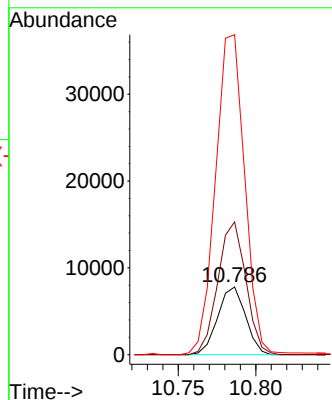
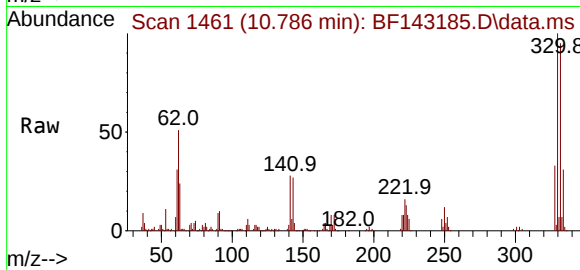




#67
4-Bromophenyl-phenylether
Concen: 2.344 ng
RT: 10.786 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF143185.D
Acq: 22 Jul 2025 12:52

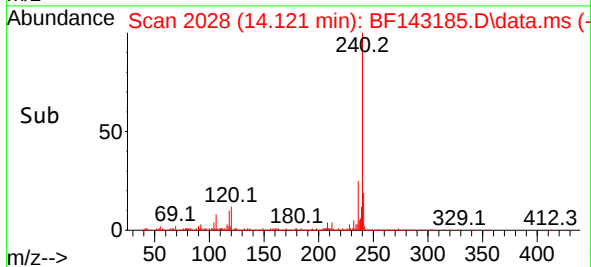
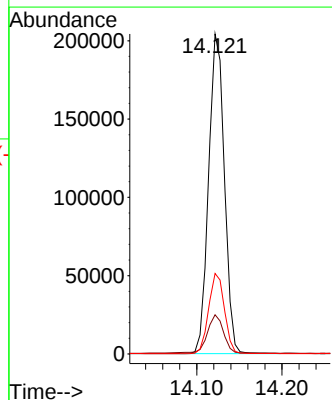
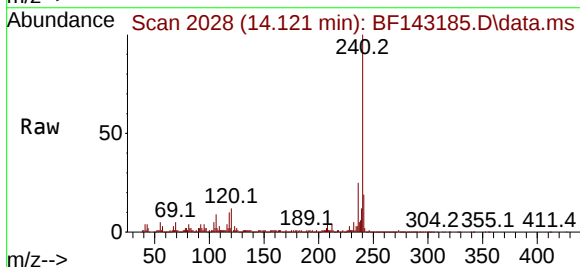
Instrument :
BNA_F
ClientSampleId :
OU4-TS-34-071725

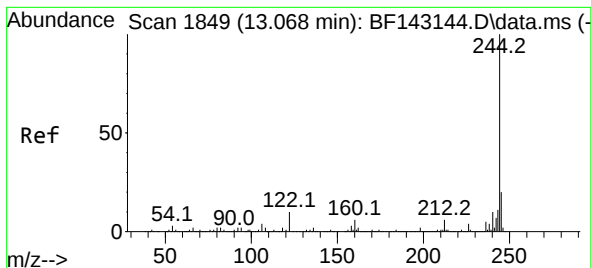
Tgt Ion:248 Resp: 9742
Ion Ratio Lower Upper
248 100
250 196.4 78.3 117.5#
141 473.2 59.2 88.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143185.D
Acq: 22 Jul 2025 12:52

Tgt Ion:240 Resp: 262145
Ion Ratio Lower Upper
240 100
120 12.3 9.4 14.2
236 25.1 20.2 30.4





#79

Terphenyl-d14

Concen: 30.904 ng

RT: 13.069 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143185.D

Acq: 22 Jul 2025 12:52

Instrument :

BNA_F

ClientSampleId :

OU4-TS-34-071725

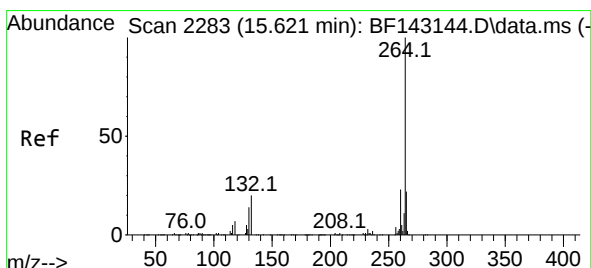
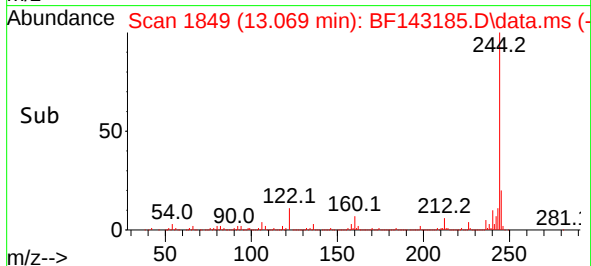
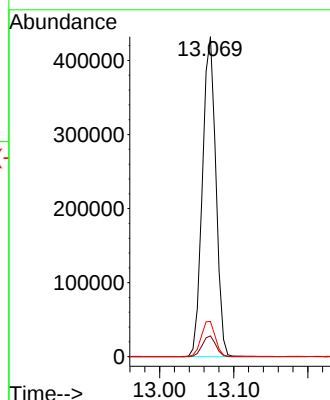
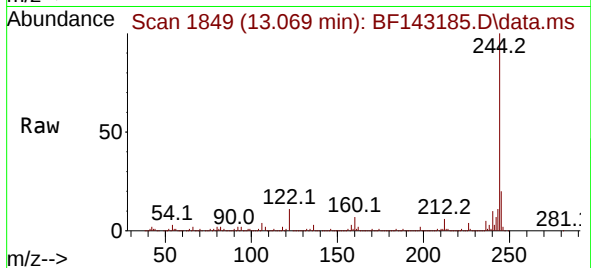
Tgt Ion:244 Resp: 544396

Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

122 11.0 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: BF143185.D

Acq: 22 Jul 2025 12:52

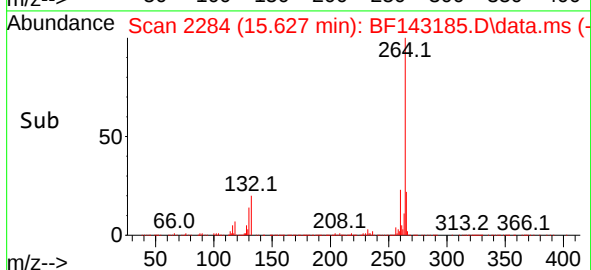
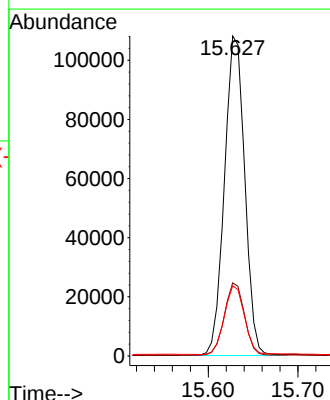
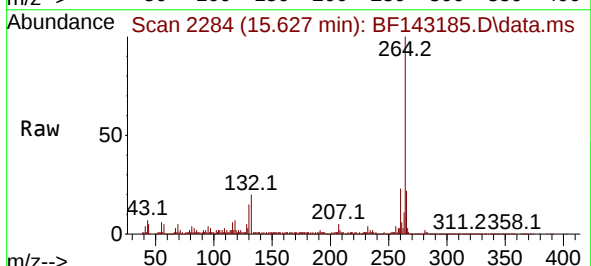
Tgt Ion:264 Resp: 169866

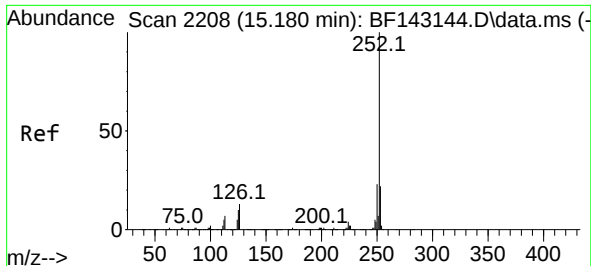
Ion Ratio Lower Upper

264 100

260 22.9 18.5 27.7

265 21.9 17.4 26.2

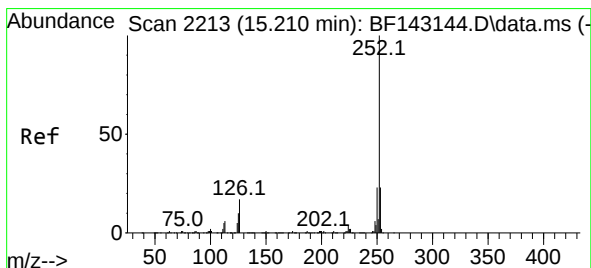
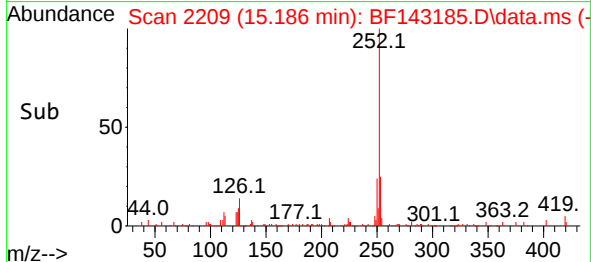
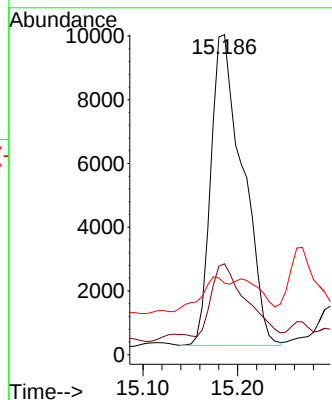
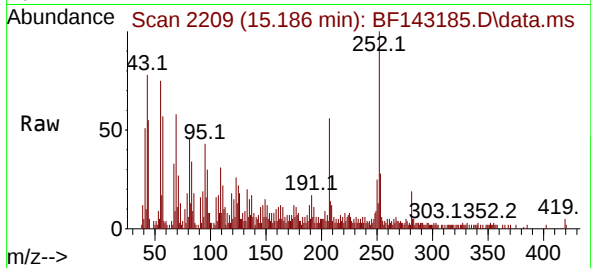




#88
Benzo(b)fluoranthene
Concen: 2.195 ng
RT: 15.186 min Scan# 2208
Delta R.T. 0.006 min
Lab File: BF143185.D
Acq: 22 Jul 2025 12:52

Instrument :
BNA_F
ClientSampleId :
OU4-TS-34-071725

Tgt Ion:252 Resp: 22777
Ion Ratio Lower Upper
252 100
253 28.4 17.5 26.3#
125 22.4 8.0 12.0#



#89
Benzo(k)fluoranthene
Concen: 2.460 ng
RT: 15.186 min Scan# 2209
Delta R.T. -0.023 min
Lab File: BF143185.D
Acq: 22 Jul 2025 12:52

Tgt Ion:252 Resp: 22777
Ion Ratio Lower Upper
252 100
253 28.4 17.8 26.6#
125 22.4 8.1 12.1#

