

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
 Data File : BF144044.D
 Acq On : 22 Oct 2025 16:18
 Operator : RC/JU
 Sample : Q3404-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MOO-25-0285-0288

Quant Time: Oct 22 16:38:18 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

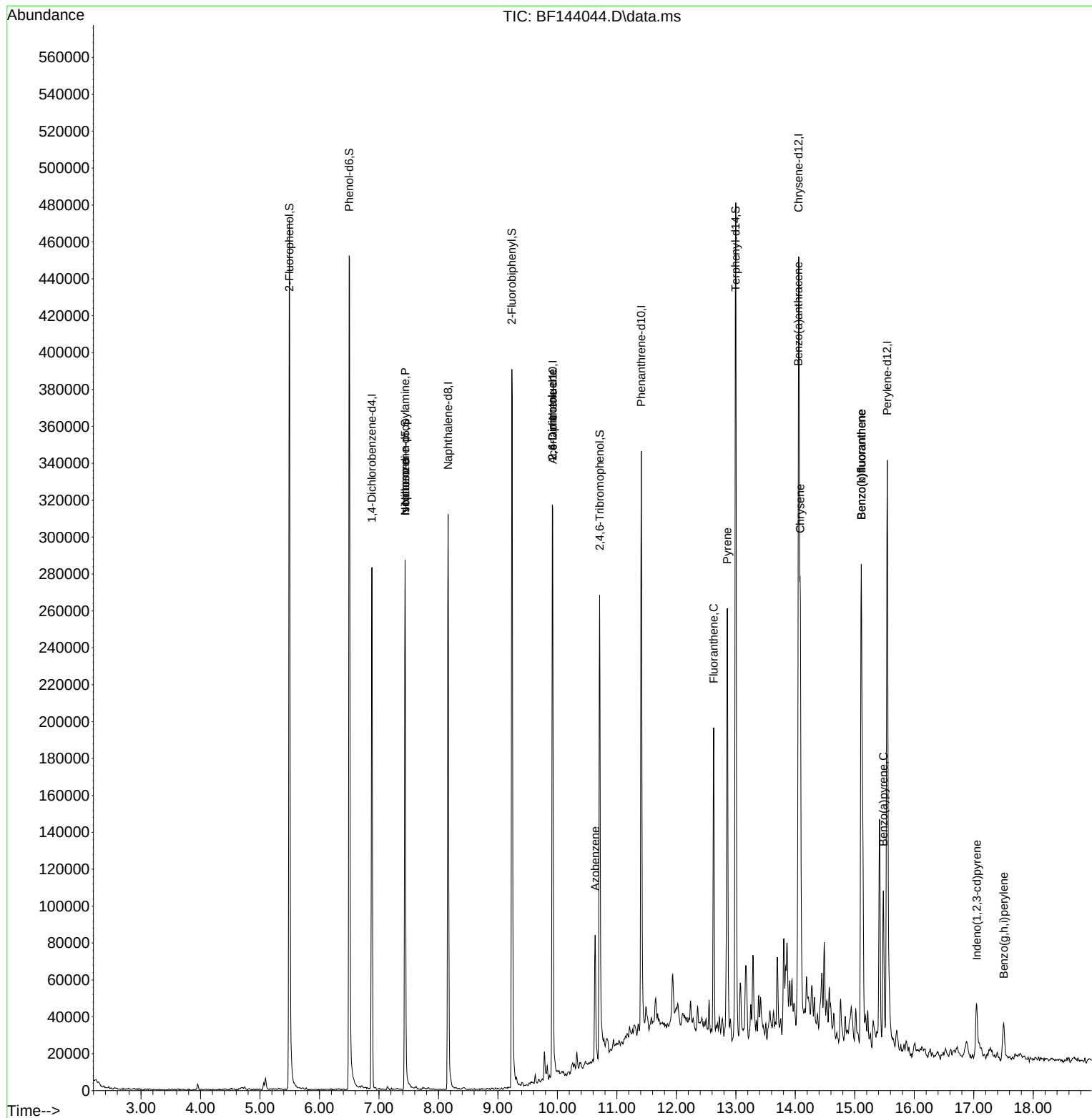
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	58684	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	211628	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	106776	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	179646	20.000	ng	0.00
76) Chrysene-d12	14.057	240	163747	20.000	ng	-0.01
86) Perylene-d12	15.545	264	207983	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	193841	52.453	ng	0.00
7) Phenol-d6	6.498	99	221821	50.358	ng	-0.02
23) Nitrobenzene-d5	7.439	82	125188	35.939	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	54324	51.080	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	207308	30.807	ng	-0.02
79) Terphenyl-d14	12.998	244	235261	24.555	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	16610	5.509	ng	# 85
25) Isophorone	7.439	82	103860	14.141	ng	# 68
51) 2,6-Dinitrotoluene	9.916	165	13975	11.115	ng	# 25
57) 2,4-Dinitrotoluene	9.916	165	13975	8.169	ng	# 26
63) Azobenzene	10.633	77	18939	2.877	ng	# 1
75) Fluoranthene	12.627	202	97657	10.856	ng	97
78) Pyrene	12.857	202	139662	10.231	ng	98
81) Benzo(a)anthracene	14.051	228	71606	6.682	ng	95
83) Chrysene	14.080	228	142035	14.321	ng	99
87) Indeno(1,2,3-cd)pyrene	17.051	276	29935	2.349	ng	93
88) Benzo(b)fluoranthene	15.110	252	229844	19.238	ng	98
89) Benzo(k)fluoranthene	15.110	252	229844	20.791	ng	99
90) Benzo(a)pyrene	15.480	252	54222	5.234	ng	96
92) Benzo(g,h,i)perylene	17.503	276	21294	2.078	ng	97

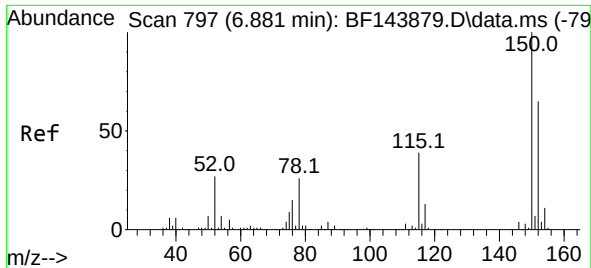
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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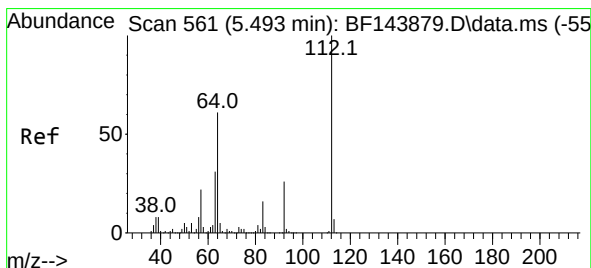
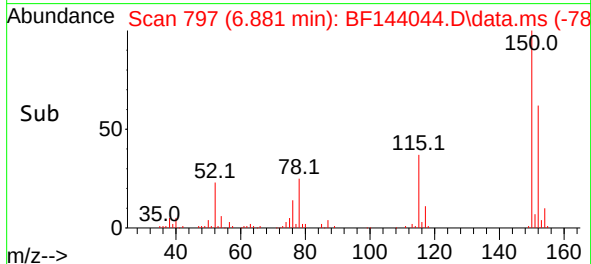
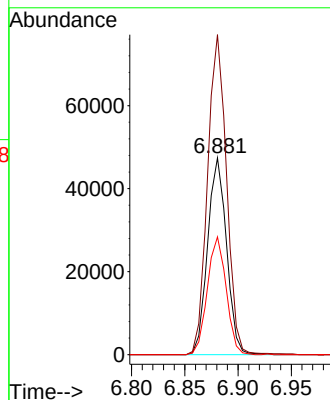
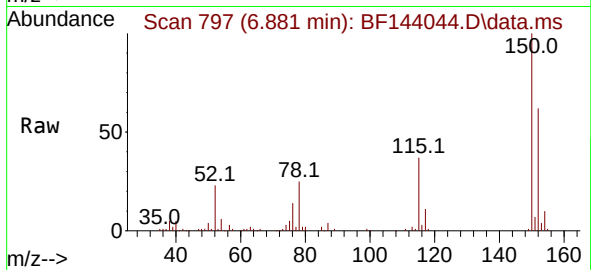




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 797
 Delta R.T. -0.005 min
 Lab File: BF144044.D
 Acq: 22 Oct 2025 16:18

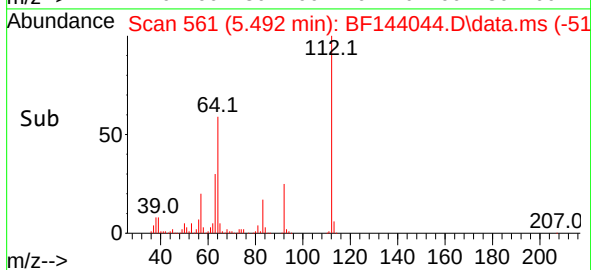
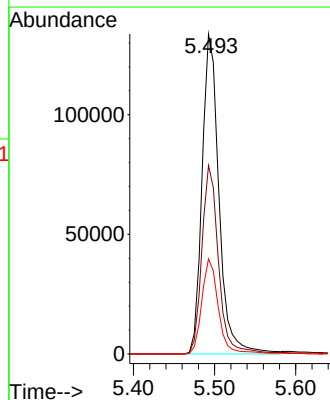
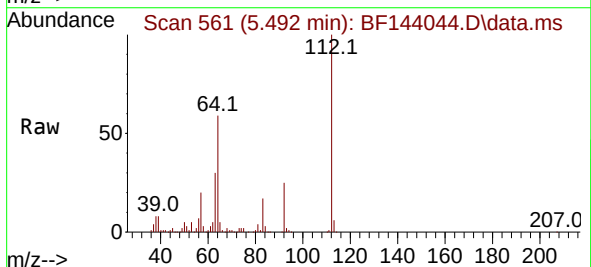
Instrument :
 BNA_F
 ClientSampleId :
 MOO-25-0285-0288

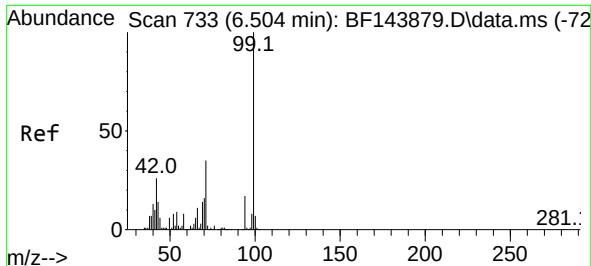
Tgt Ion:152 Resp: 58684
 Ion Ratio Lower Upper
 152 100
 150 162.5 124.4 186.6
 115 59.8 48.1 72.1



#5
 2-Fluorophenol
 Concen: 52.453 ng
 RT: 5.492 min Scan# 561
 Delta R.T. -0.006 min
 Lab File: BF144044.D
 Acq: 22 Oct 2025 16:18

Tgt Ion:112 Resp: 193841
 Ion Ratio Lower Upper
 112 100
 64 58.9 49.1 73.7
 63 29.7 24.5 36.7

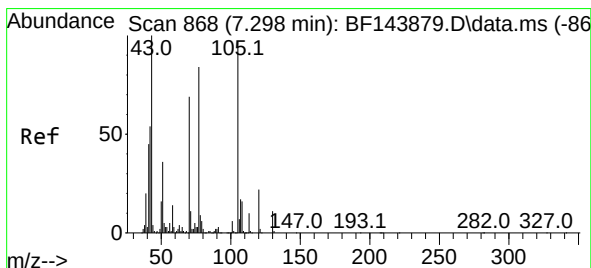
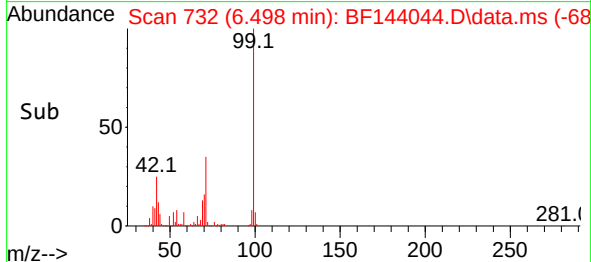
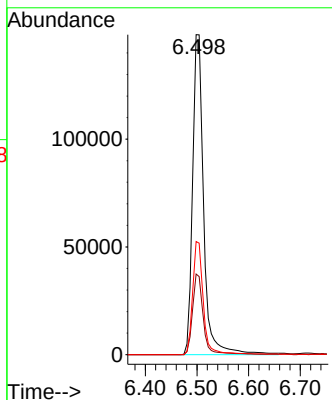
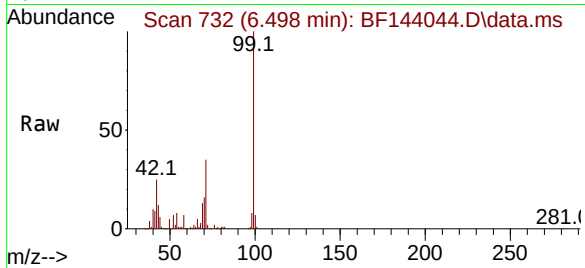




#7
Phenol-d6
Concen: 50.358 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18

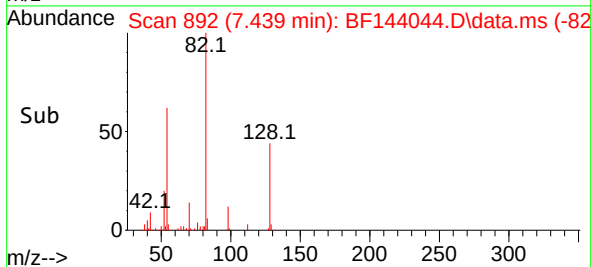
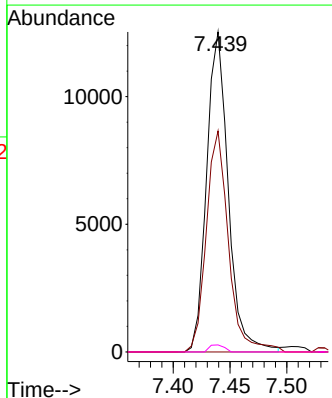
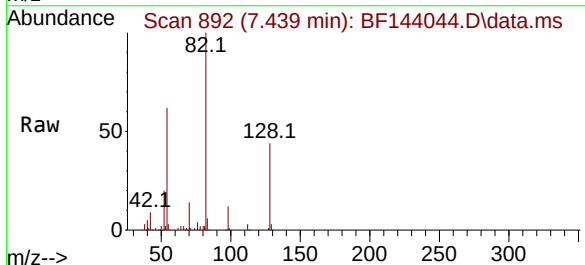
Instrument :
BNA_F
ClientSampleId :
MOO-25-0285-0288

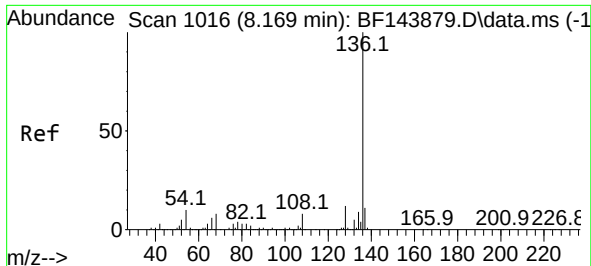
Tgt Ion: 99 Resp: 221821
Ion Ratio Lower Upper
99 100
42 25.2 21.0 31.4
71 35.3 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 5.509 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18

Tgt Ion: 70 Resp: 16610
Ion Ratio Lower Upper
70 100
42 69.0 62.8 94.2
101 0.0 6.7 10.1#
130 2.2 13.0 19.4#



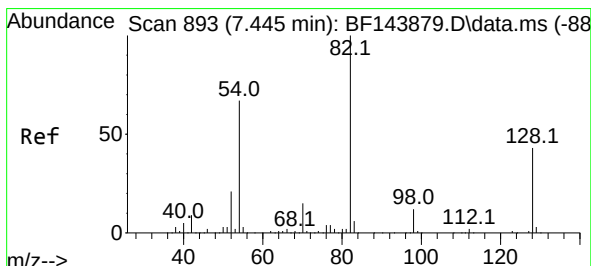
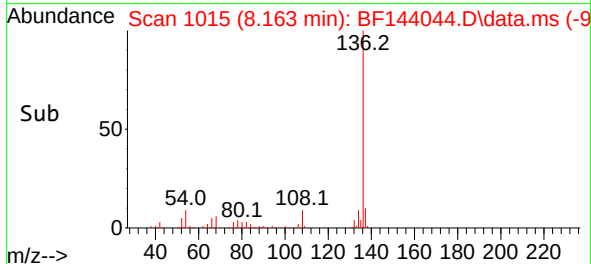
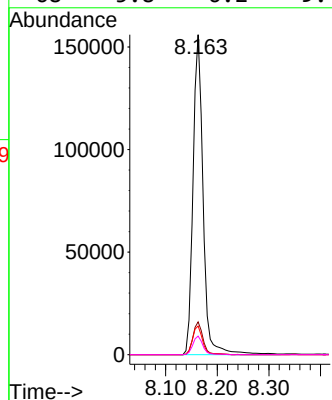
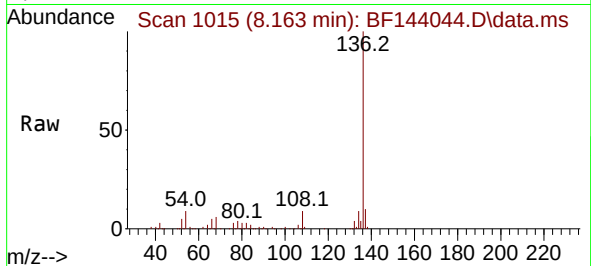


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18

Instrument :
BNA_F
ClientSampleId :
MOO-25-0285-0288

Tgt Ion:136 Resp: 211628

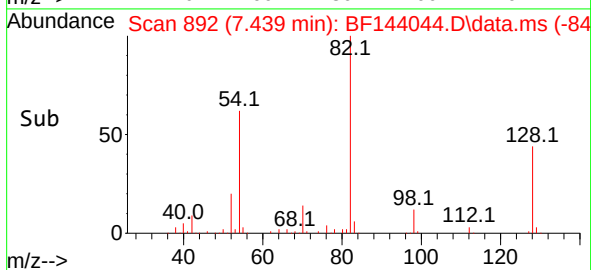
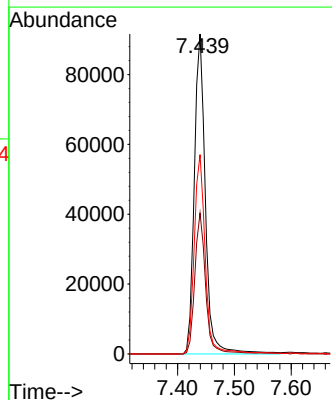
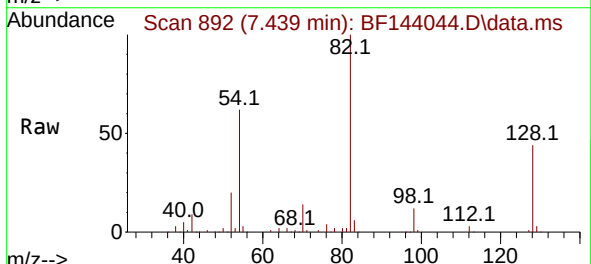
Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.5	12.7
54	8.9	8.2	12.4
68	5.8	6.2	9.4

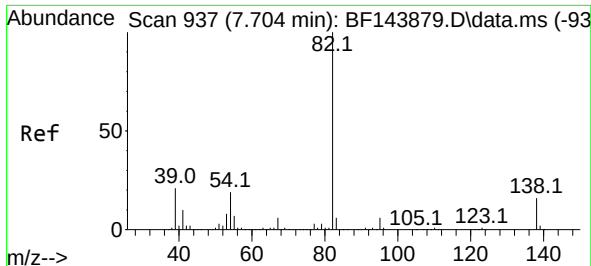


#23
Nitrobenzene-d5
Concen: 35.939 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18

Tgt Ion: 82 Resp: 125188

Ion	Ratio	Lower	Upper
82	100		
128	44.1	34.0	51.0
54	62.3	53.2	79.8

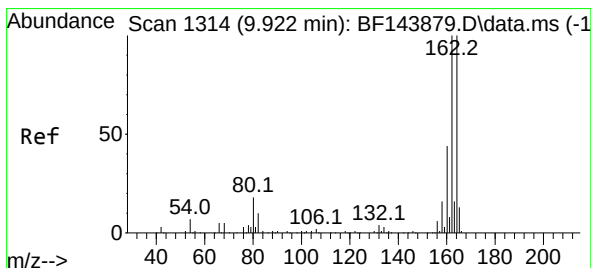
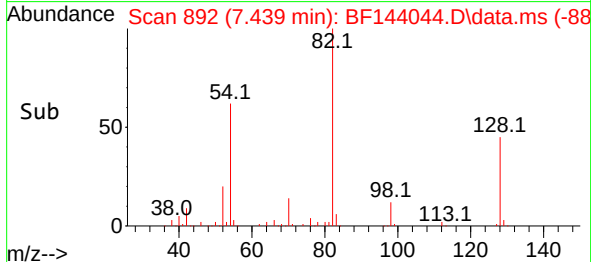
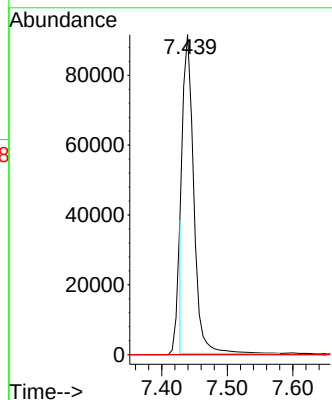
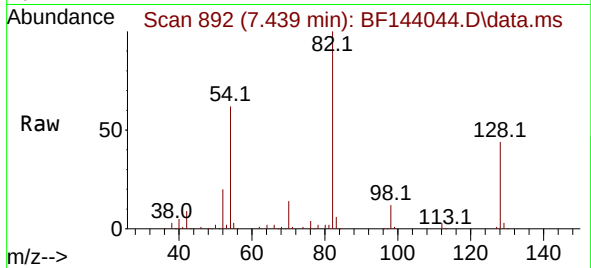




#25
Isophorone
Concen: 14.141 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.282 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18

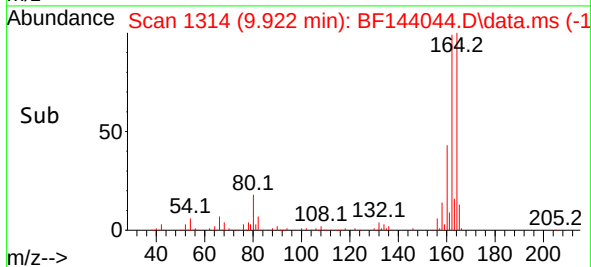
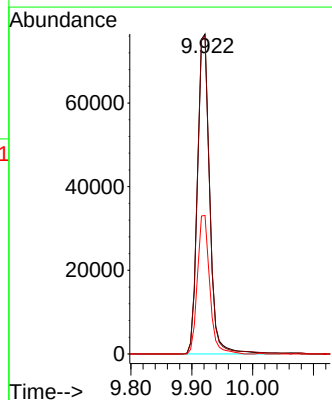
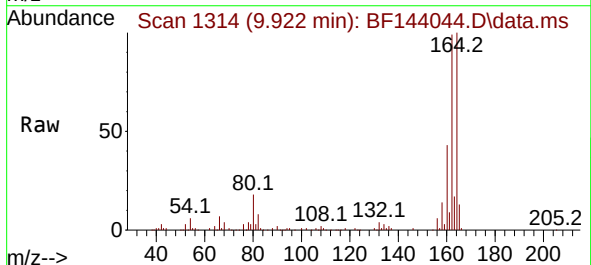
Instrument :
BNA_F
ClientSampleId :
MOO-25-0285-0288

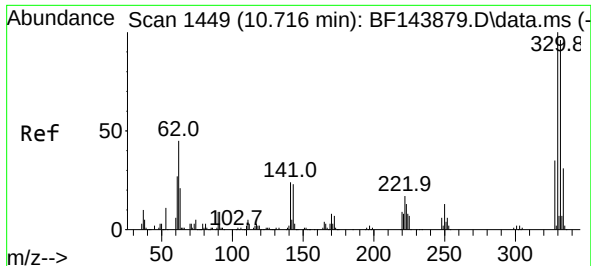
Tgt Ion: 82 Resp: 103860
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18

Tgt Ion:164 Resp: 106776
Ion Ratio Lower Upper
164 100
162 99.4 80.2 120.2
160 43.3 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 51.080 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF144044.D

Acq: 22 Oct 2025 16:18

Instrument :

BNA_F

ClientSampleId :

MOO-25-0285-0288

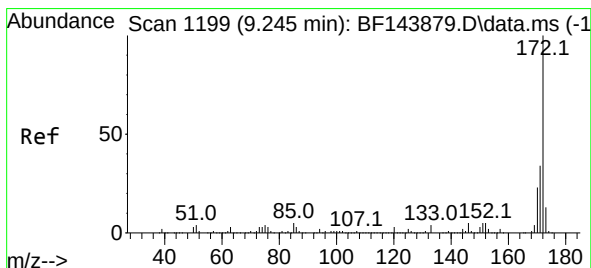
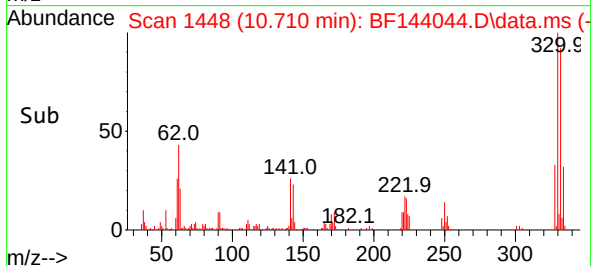
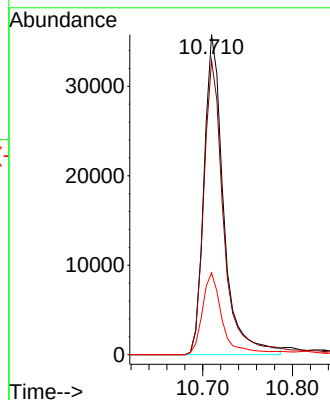
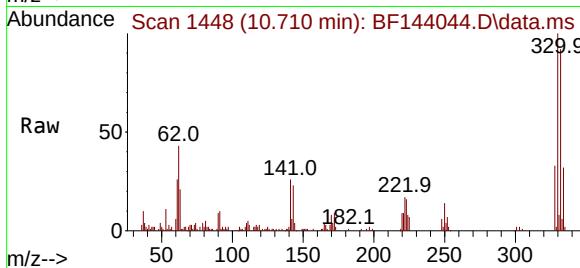
Tgt Ion:330 Resp: 54324

Ion Ratio Lower Upper

330 100

332 96.5 76.9 115.3

141 25.9 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 30.807 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.018 min

Lab File: BF144044.D

Acq: 22 Oct 2025 16:18

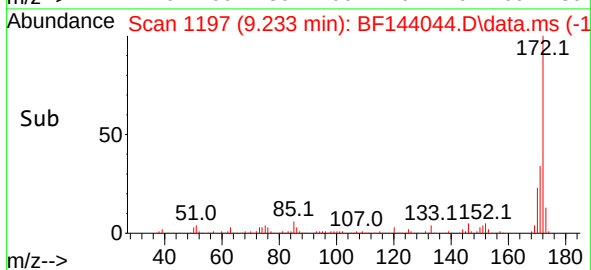
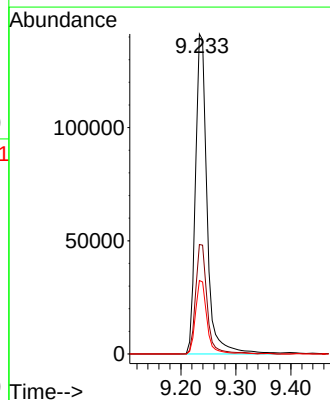
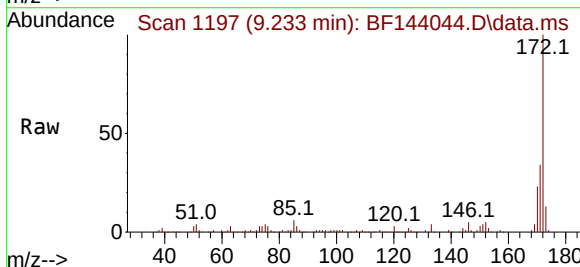
Tgt Ion:172 Resp: 207308

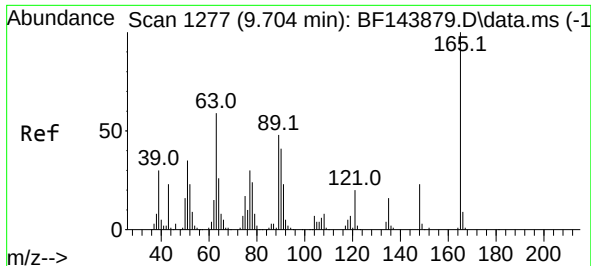
Ion Ratio Lower Upper

172 100

171 34.2 27.4 41.0

170 22.9 18.6 28.0

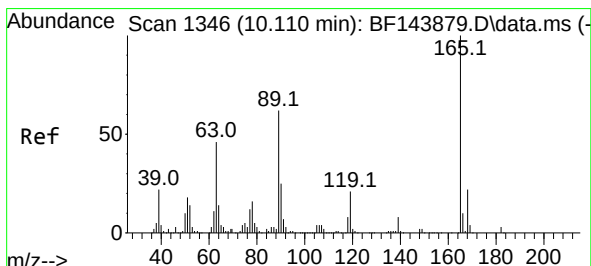
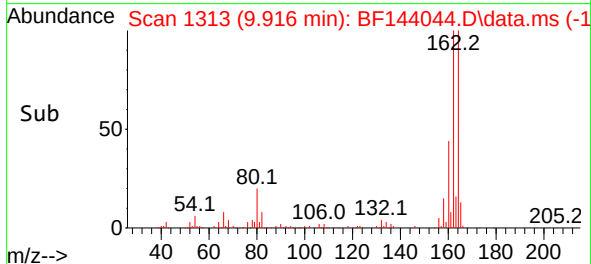
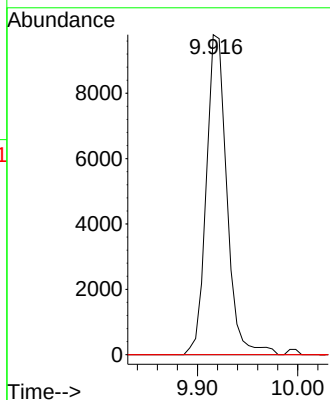
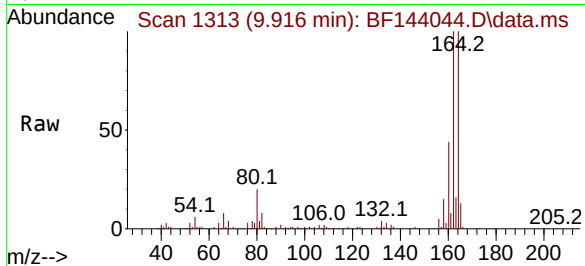




#51
2,6-Dinitrotoluene
Concen: 11.115 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.200 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18

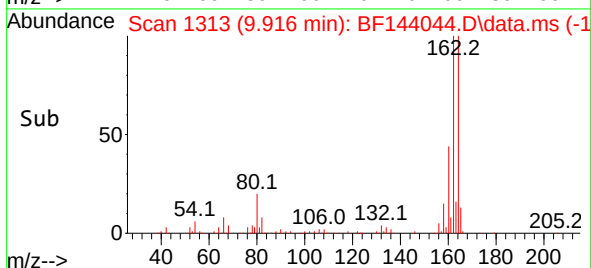
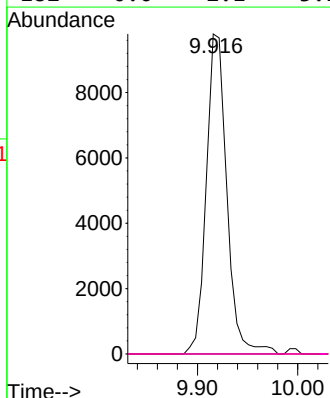
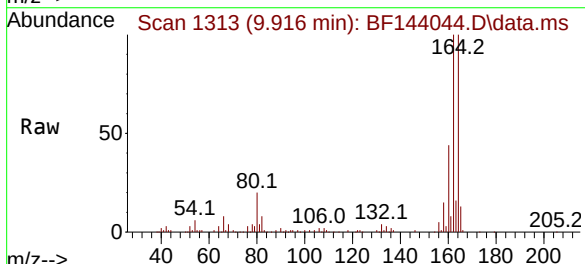
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MOO-25-0285-0288

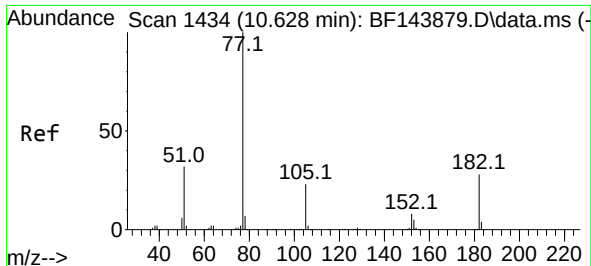
Tgt Ion:165 Resp: 13975
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 0.0 38.2 57.4#



#57
2,4-Dinitrotoluene
Concen: 8.169 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.200 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18

Tgt Ion:165 Resp: 13975
Ion Ratio Lower Upper
165 100
63 0.0 37.2 55.8#
89 0.0 49.4 74.2#
182 0.0 2.1 3.1#

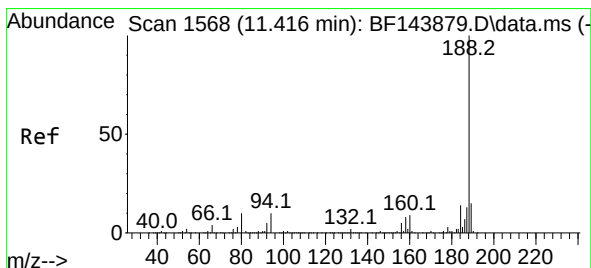
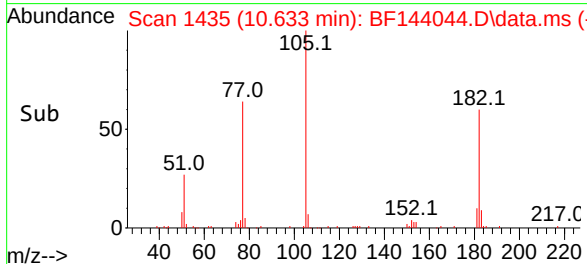
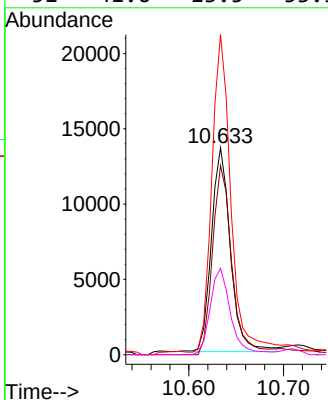
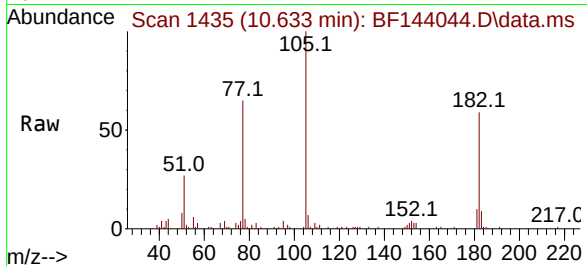




#63
Azobenzene
Concen: 2.877 ng
RT: 10.633 min Scan# 1434
Delta R.T. 0.000 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18

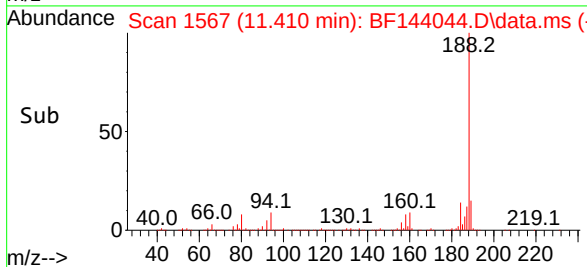
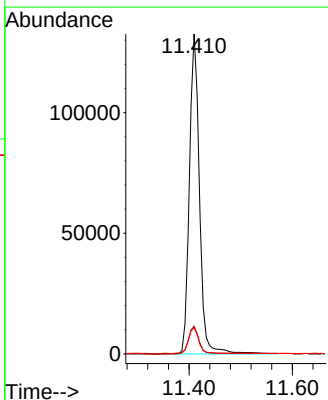
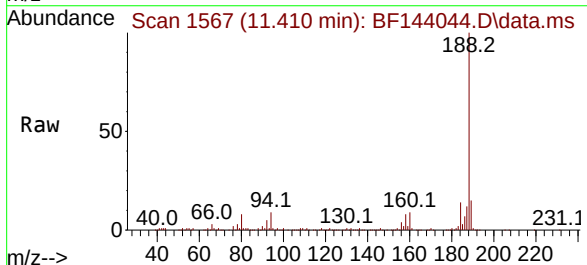
Instrument :
BNA_F
ClientSampleId :
MOO-25-0285-0288

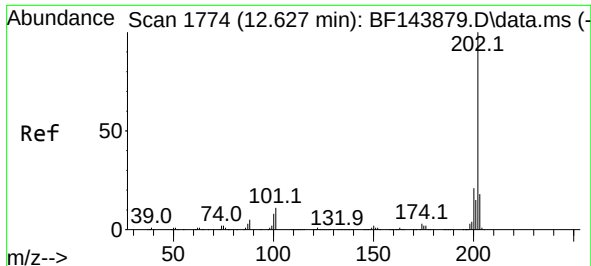
Tgt Ion: 77	Resp: 18939
Ion Ratio	Lower Upper
77	100
182	91.4 7.3 47.3#
105	154.6 3.0 43.0#
51	41.6 13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18

Tgt Ion: 188	Resp: 179646
Ion Ratio	Lower Upper
188	100
94	8.6 7.8 11.6
80	8.2 7.9 11.9

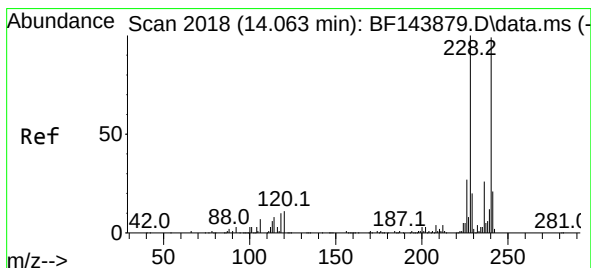
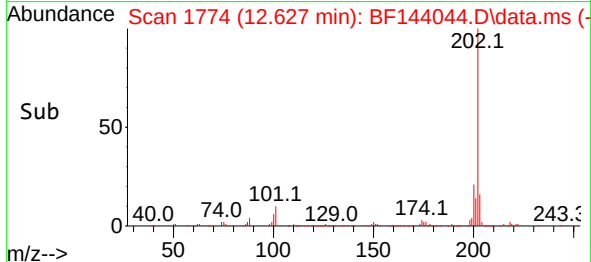
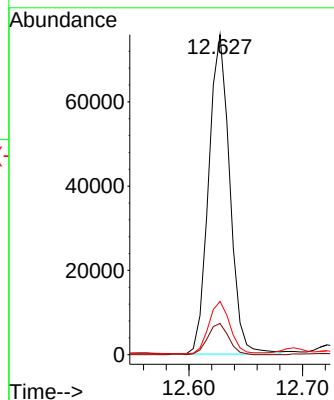
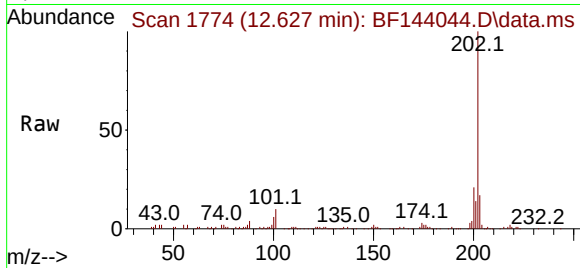




#75
Fluoranthene
Concen: 10.856 ng
RT: 12.627 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18

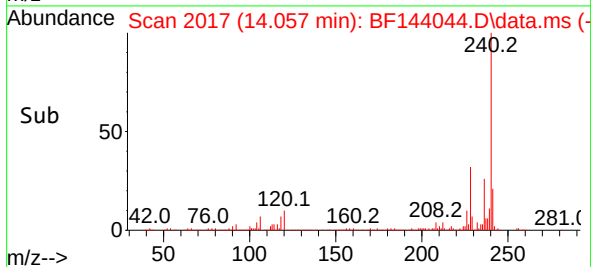
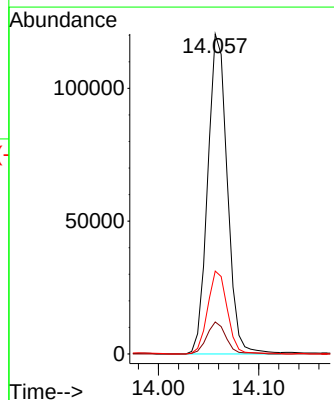
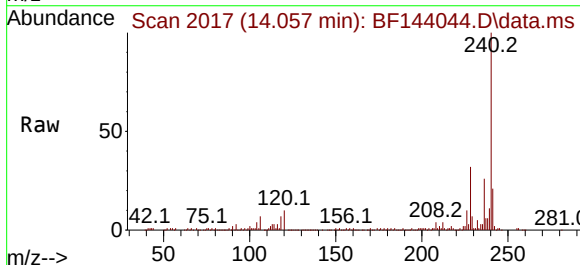
Instrument :
BNA_F
ClientSampleId :
MOO-25-0285-0288

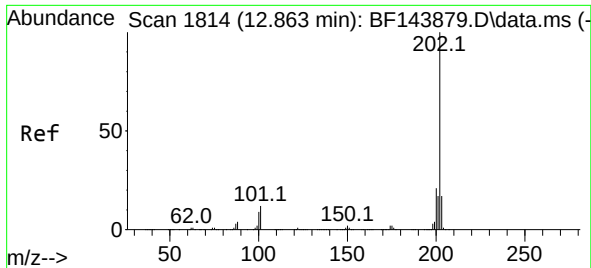
Tgt Ion:202 Resp: 97657
Ion Ratio Lower Upper
202 100
101 9.8 0.0 30.7
203 16.6 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18

Tgt Ion:240 Resp: 163747
Ion Ratio Lower Upper
240 100
120 10.0 8.6 13.0
236 25.9 21.1 31.7

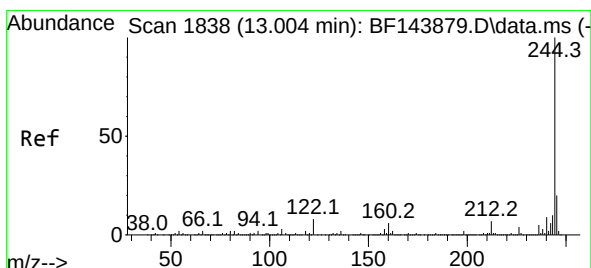
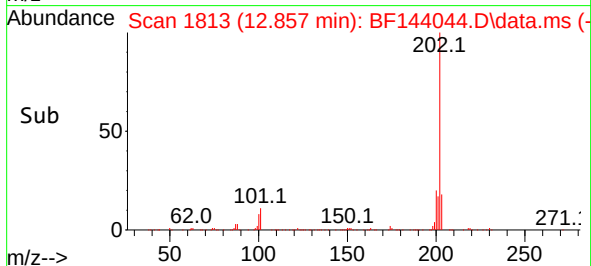
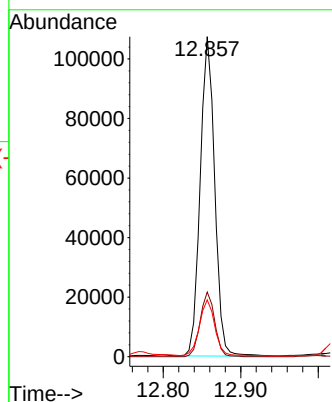
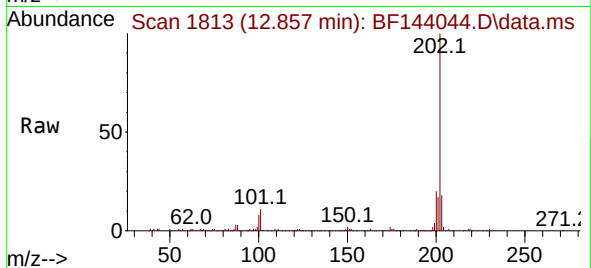




#78
 Pyrene
 Concen: 10.231 ng
 RT: 12.857 min Scan# 1813
 Delta R.T. -0.006 min
 Lab File: BF144044.D
 Acq: 22 Oct 2025 16:18

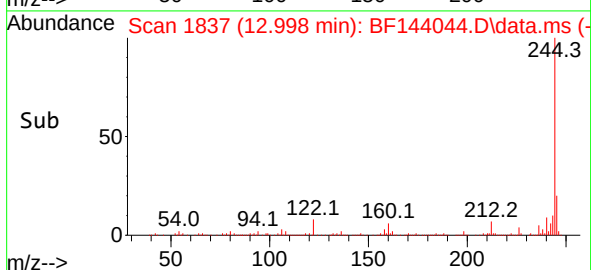
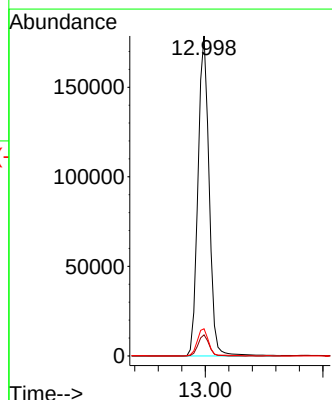
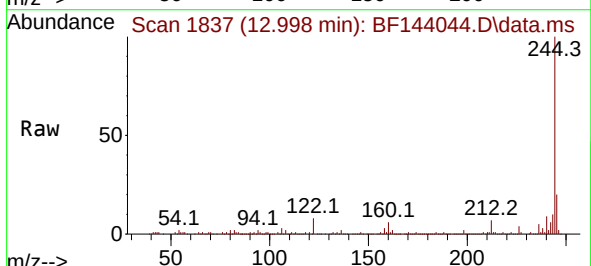
Instrument :
 BNA_F
 ClientSampleId :
 MOO-25-0285-0288

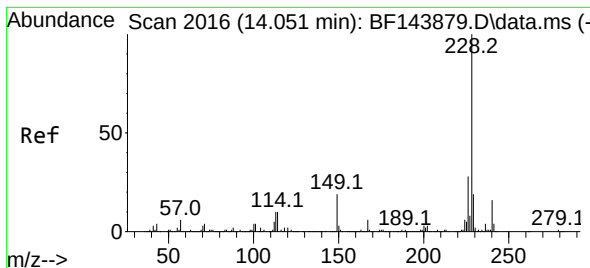
Tgt Ion:202 Resp: 139662
 Ion Ratio Lower Upper
 202 100
 200 20.2 17.0 25.6
 203 17.7 13.8 20.6



#79
 Terphenyl-d14
 Concen: 24.555 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. -0.012 min
 Lab File: BF144044.D
 Acq: 22 Oct 2025 16:18

Tgt Ion:244 Resp: 235261
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 8.5 6.4 9.6





#81

Benzo(a)anthracene

Concen: 6.682 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF144044.D

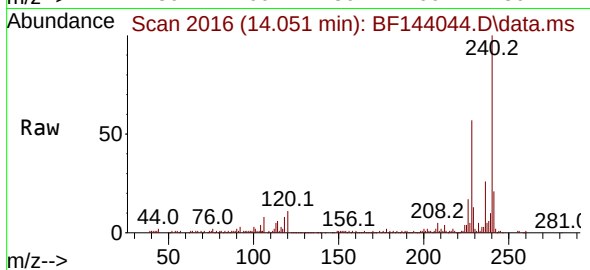
Acq: 22 Oct 2025 16:18

Instrument :

BNA_F

ClientSampleId :

MOO-25-0285-0288



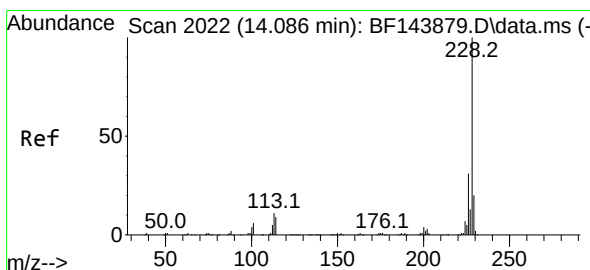
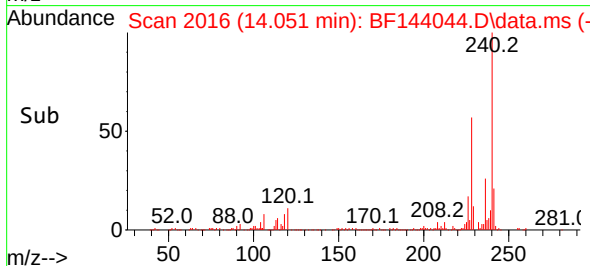
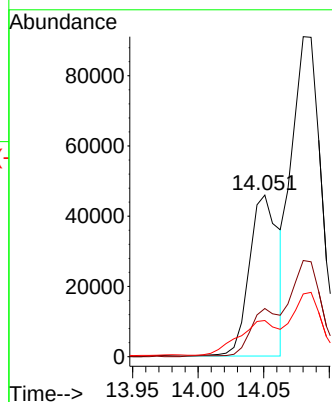
Tgt Ion:228 Resp: 71606

Ion Ratio Lower Upper

228 100

226 29.8 22.2 33.2

229 22.3 15.6 23.4



#83

Chrysene

Concen: 14.321 ng

RT: 14.080 min Scan# 2021

Delta R.T. -0.012 min

Lab File: BF144044.D

Acq: 22 Oct 2025 16:18

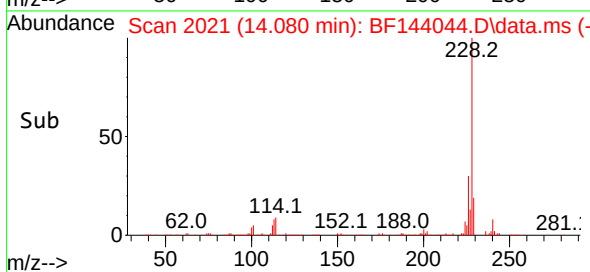
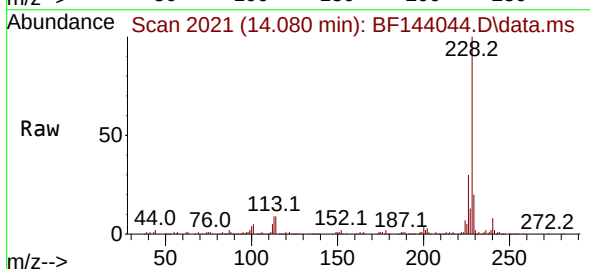
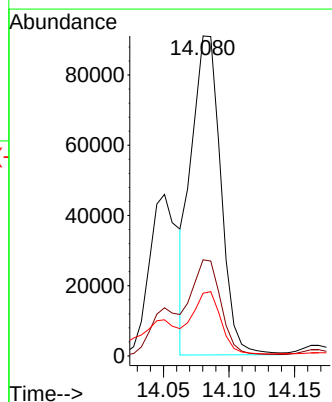
Tgt Ion:228 Resp: 142035

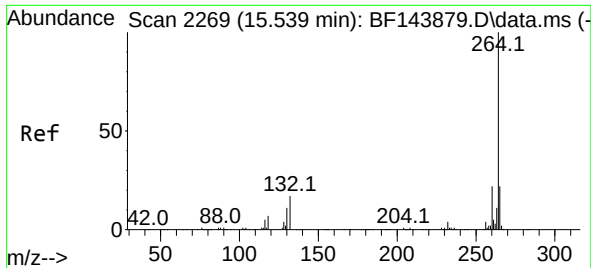
Ion Ratio Lower Upper

228 100

226 30.0 24.4 36.6

229 19.6 15.9 23.9



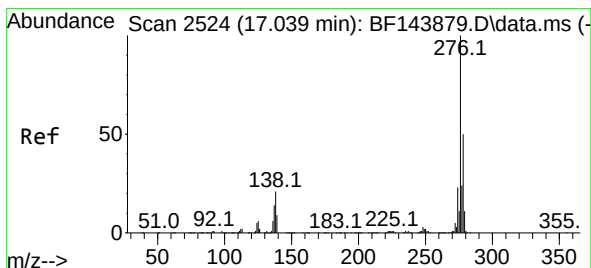
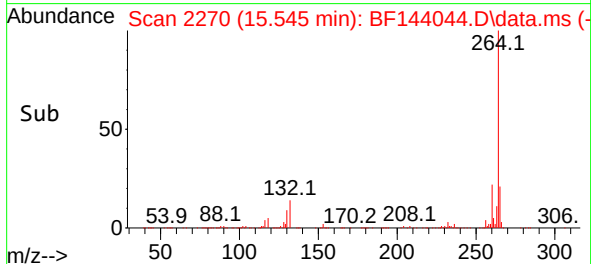
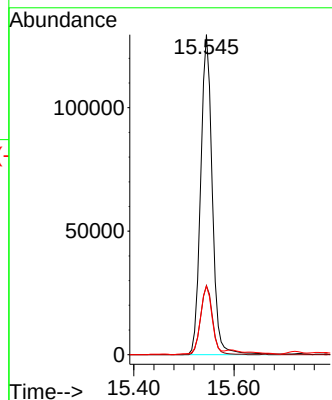
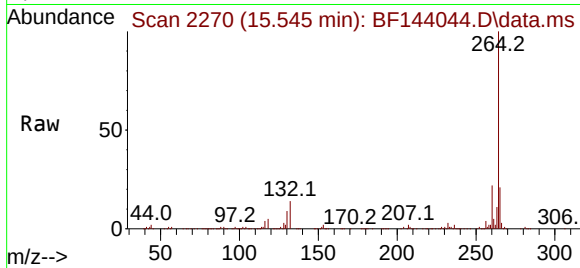


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18

Instrument :
BNA_F
ClientSampleId :
MOO-25-0285-0288

Tgt Ion:264 Resp: 207983

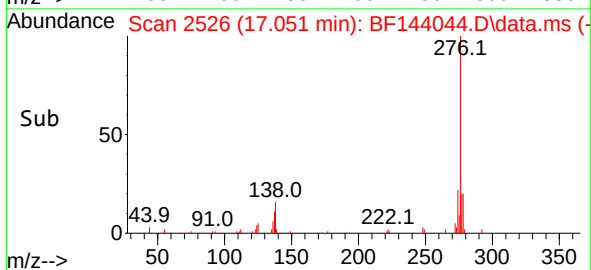
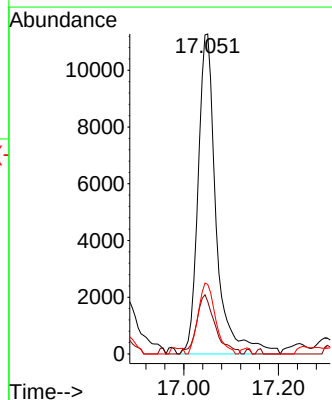
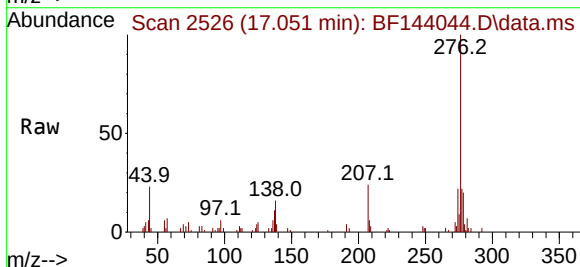
Ion	Ratio	Lower	Upper
264	100		
260	21.6	17.8	26.8
265	21.5	17.5	26.3

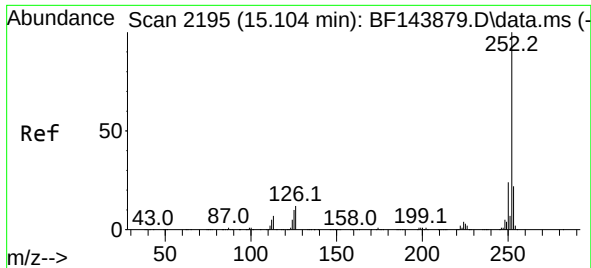


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.349 ng
RT: 17.051 min Scan# 2526
Delta R.T. -0.006 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18

Tgt Ion:276 Resp: 29935

Ion	Ratio	Lower	Upper
276	100		
138	19.1	18.2	27.2
277	21.1	19.8	29.6

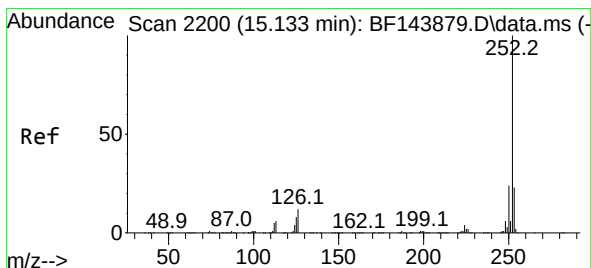
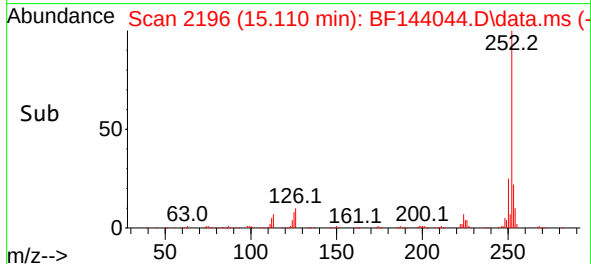
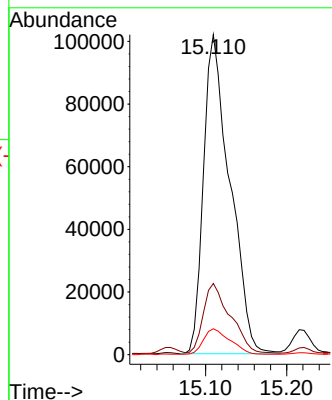
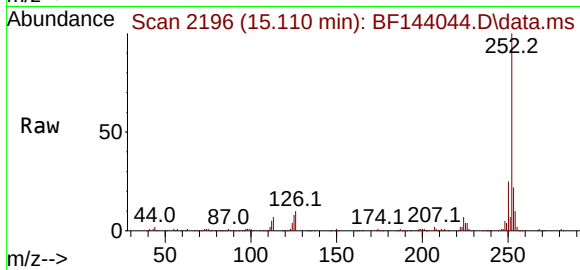




#88
Benzo(b)fluoranthene
Concen: 19.238 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18

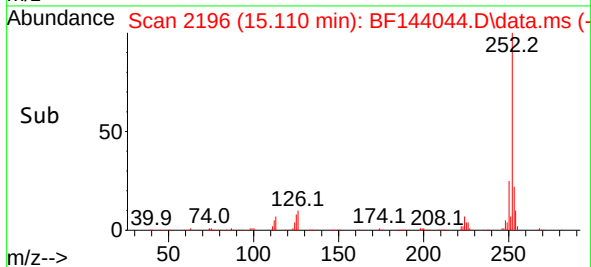
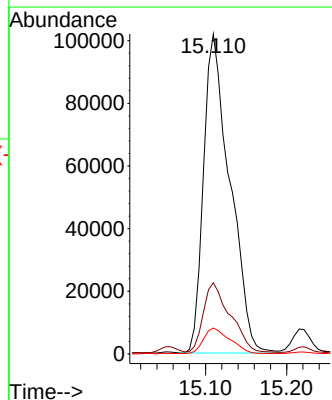
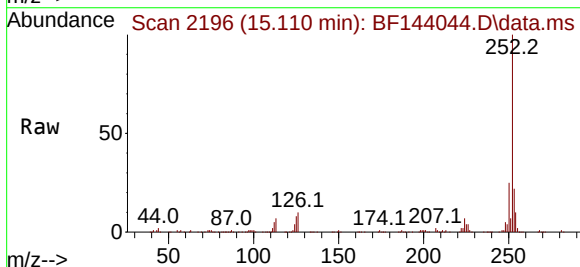
Instrument :
BNA_F
ClientSampleId :
MOO-25-0285-0288

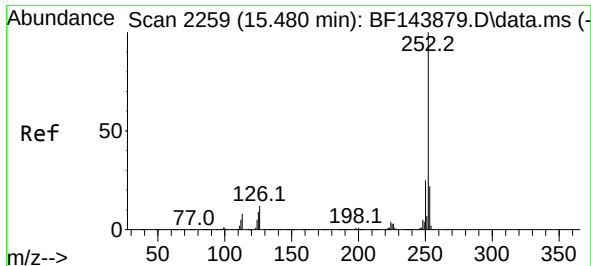
Tgt Ion:252 Resp: 229844
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 8.1 7.8 11.6



#89
Benzo(k)fluoranthene
Concen: 20.791 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.035 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18

Tgt Ion:252 Resp: 229844
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 8.1 7.4 11.2

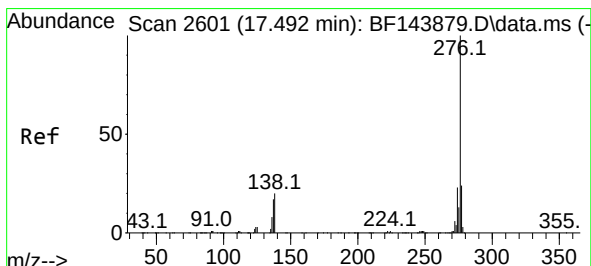
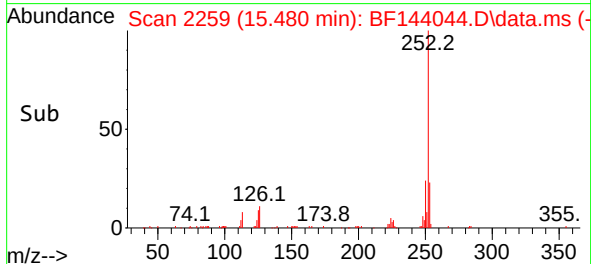
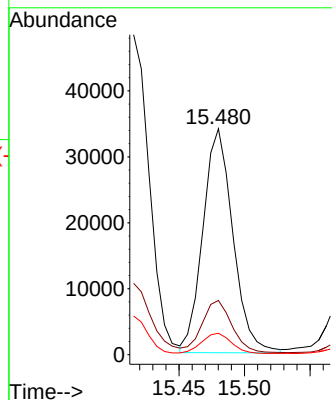
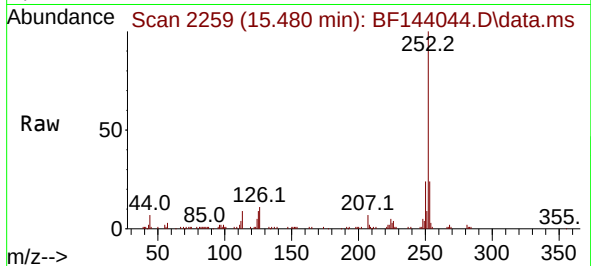




#90
Benzo(a)pyrene
Concen: 5.234 ng
RT: 15.480 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18

Instrument :
BNA_F
ClientSampleId :
MOO-25-0285-0288

Tgt Ion:252 Resp: 54222
Ion Ratio Lower Upper
252 100
253 24.0 17.3 25.9
125 9.5 7.0 10.4



#92
Benzo(g,h,i)perylene
Concen: 2.078 ng
RT: 17.503 min Scan# 2603
Delta R.T. -0.012 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18

Tgt Ion:276 Resp: 21294
Ion Ratio Lower Upper
276 100
277 22.9 19.0 28.6
138 18.0 16.1 24.1

