

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103025\
 Data File : BF144155.D
 Acq On : 30 Oct 2025 22:37
 Operator : RC/JU
 Sample : Q3482-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-6

Quant Time: Oct 31 01:03:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 17:30:25 2025
 Response via : Initial Calibration

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

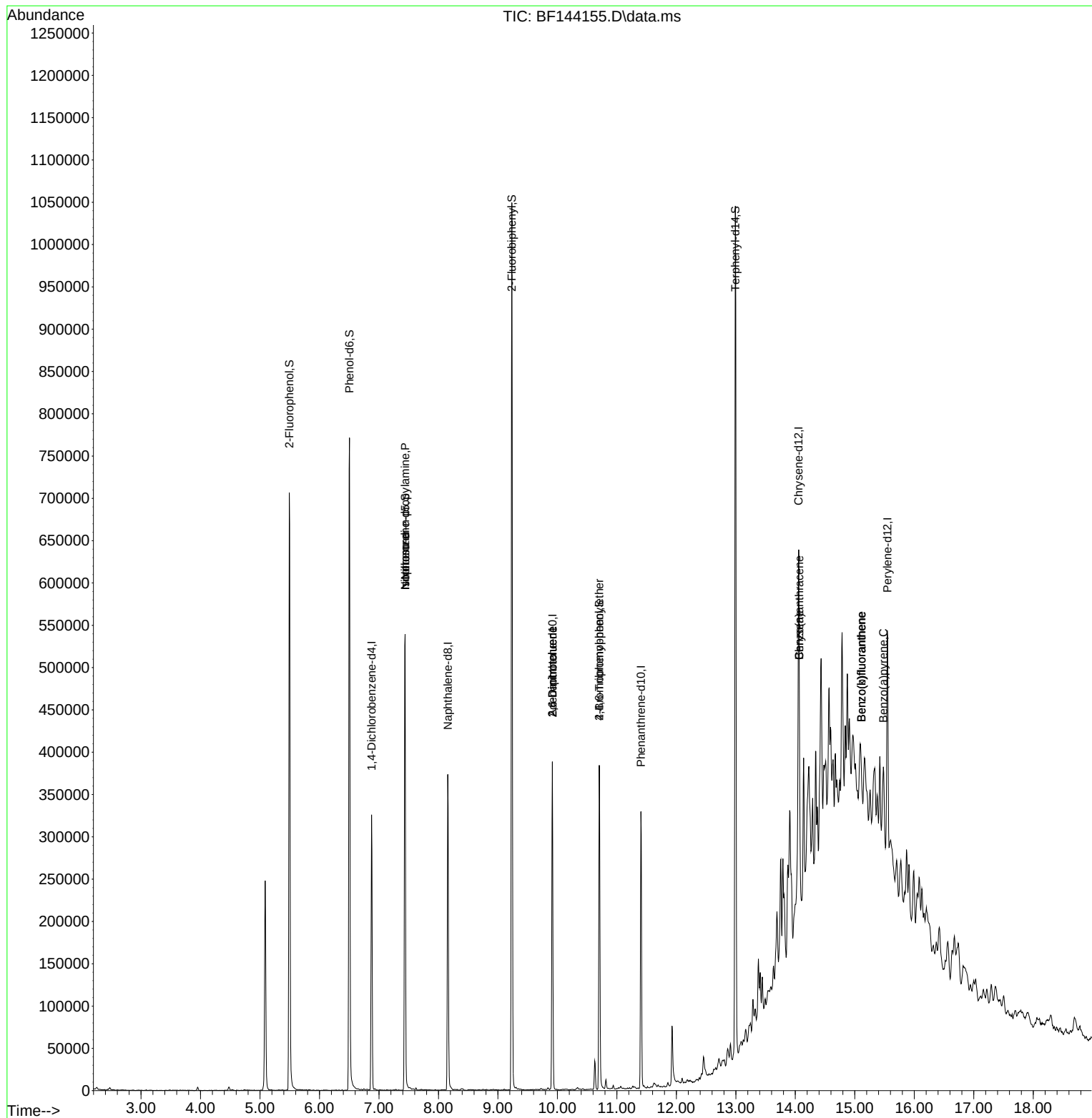
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	67758	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	240356	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	118309	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	181495	20.000	ng	0.00
76) Chrysene-d12	14.057	240	190750	20.000	ng	0.00
86) Perylene-d12	15.551	264	183790	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	278932	65.129	ng	0.00
7) Phenol-d6	6.504	99	335896	71.016	ng	0.00
23) Nitrobenzene-d5	7.439	82	233471	53.218	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	80616	53.493	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	483872	57.554	ng	0.00
79) Terphenyl-d14	12.992	244	525493	48.161	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	34161	11.169	ng	# 69
25) Isophorone	7.439	82	233469	30.439	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	16633	10.849	ng	# 22
57) 2,4-Dinitrotoluene	9.916	165	16633	8.039	ng	# 25
67) 4-Bromophenyl-phenylether	10.704	248	5064	2.228	ng	# 1
81) Benzo(a)anthracene	14.068	228	67323	5.222	ng	# 64
83) Chrysene	14.068	228	67323	5.565	ng	# 69
88) Benzo(b)fluoranthene	15.109	252	23535	2.265	ng	# 72
89) Benzo(k)fluoranthene	15.109	252	23535	2.455	ng	# 73
90) Benzo(a)pyrene	15.480	252	23498	2.521	ng	# 60

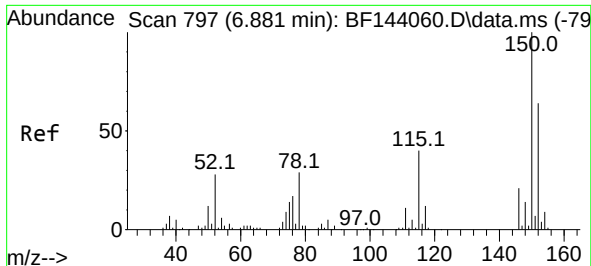
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103025\
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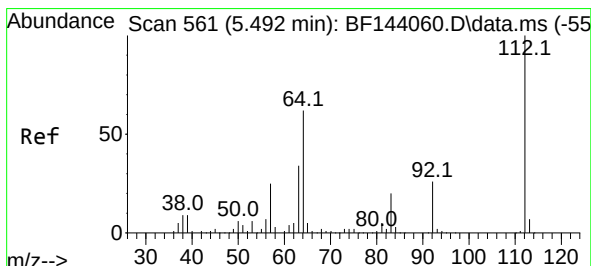
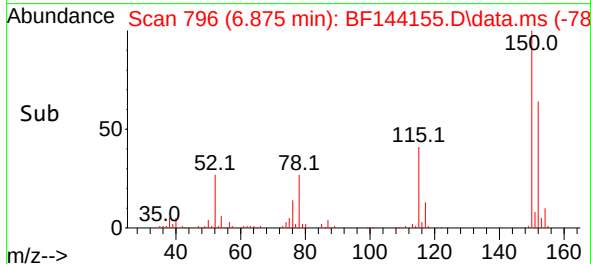
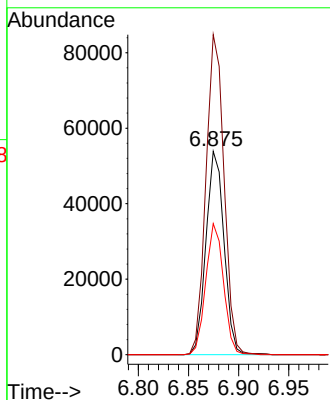
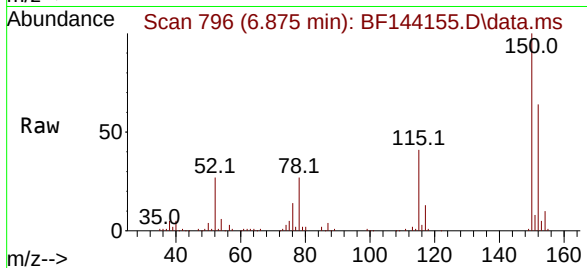




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF144155.D
Acq: 30 Oct 2025 22:37

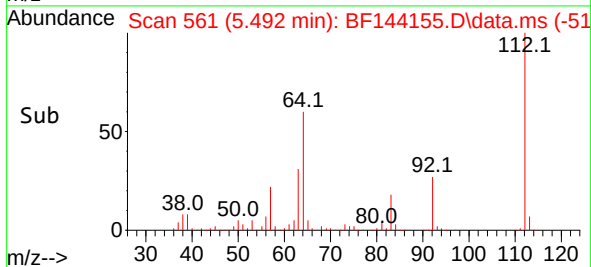
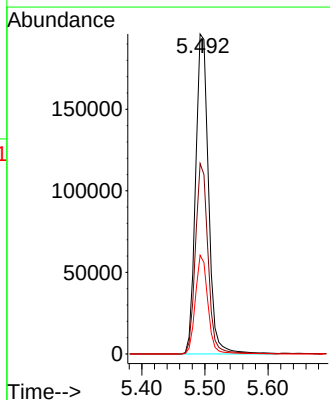
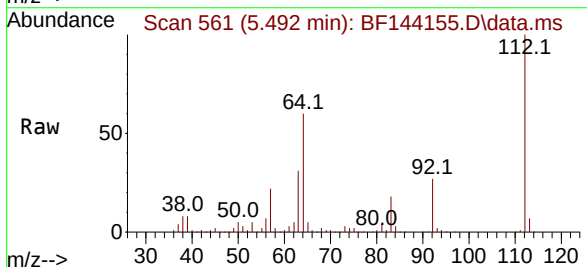
Instrument :
BNA_F
ClientSampleId :
WC-6

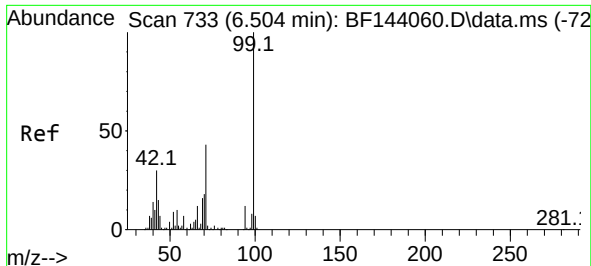
Tgt Ion:152 Resp: 67758
Ion Ratio Lower Upper
152 100
150 157.3 124.4 186.6
115 64.4 49.4 74.0



#5
2-Fluorophenol
Concen: 65.129 ng
RT: 5.492 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144155.D
Acq: 30 Oct 2025 22:37

Tgt Ion:112 Resp: 278932
Ion Ratio Lower Upper
112 100
64 59.5 49.8 74.8
63 30.8 27.4 41.2

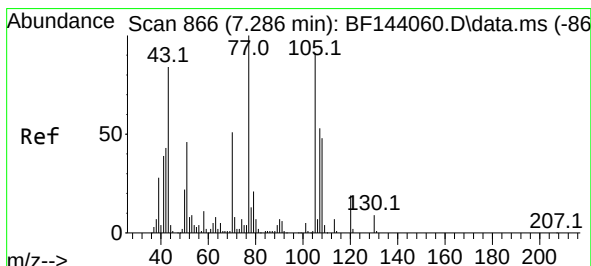
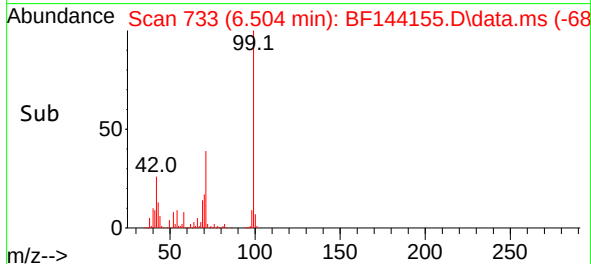
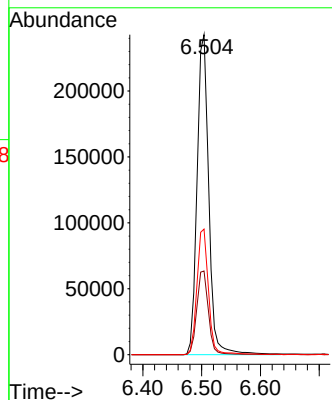
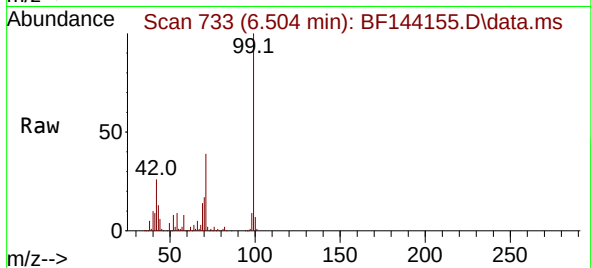




#7
Phenol-d6
Concen: 71.016 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF144155.D
Acq: 30 Oct 2025 22:37

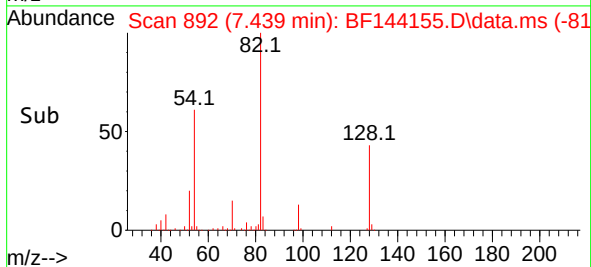
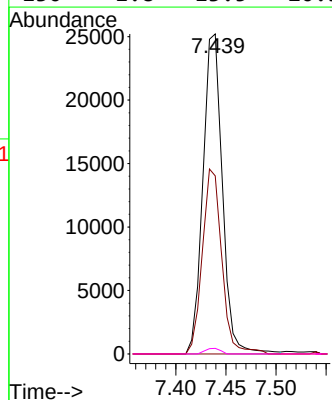
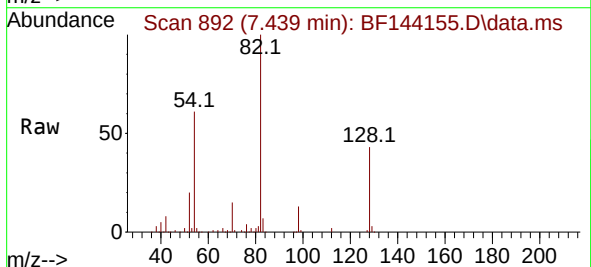
Instrument :
BNA_F
ClientSampleId :
WC-6

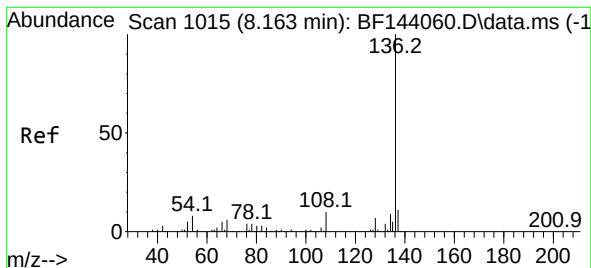
Tgt Ion: 99 Resp: 335896
Ion Ratio Lower Upper
99 100
42 26.2 23.9 35.9
71 39.2 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.169 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.153 min
Lab File: BF144155.D
Acq: 30 Oct 2025 22:37

Tgt Ion: 70 Resp: 34161
Ion Ratio Lower Upper
70 100
42 55.6 67.4 101.0#
101 0.0 7.1 10.7#
130 1.8 13.5 20.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1015

Delta R.T. -0.006 min

Lab File: BF144155.D

Acq: 30 Oct 2025 22:37

Instrument :

BNA_F

ClientSampleId :

WC-6

Tgt Ion:136 Resp: 240356

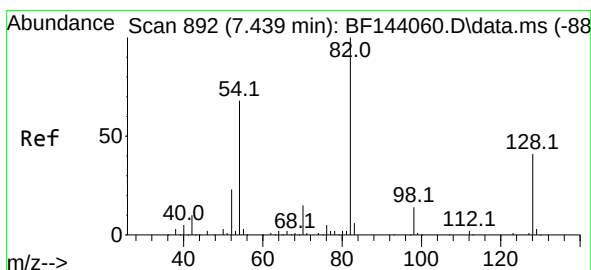
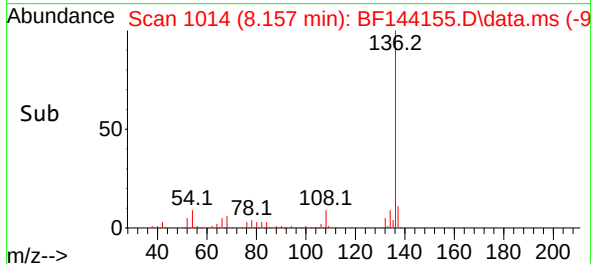
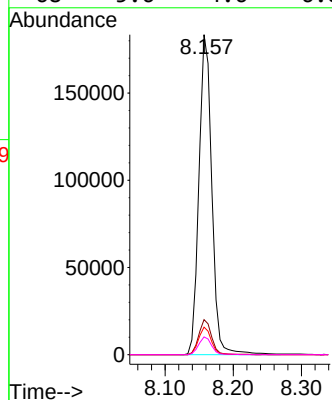
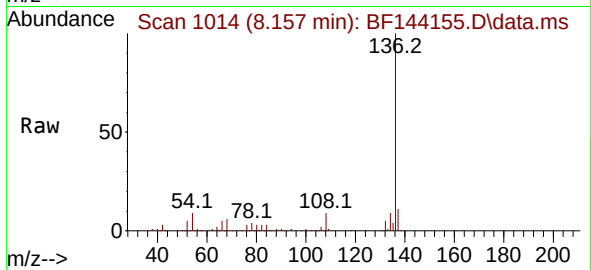
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 8.6 6.6 9.8

68 5.6 4.6 6.8



#23

Nitrobenzene-d5

Concen: 53.218 ng

RT: 7.439 min Scan# 892

Delta R.T. -0.000 min

Lab File: BF144155.D

Acq: 30 Oct 2025 22:37

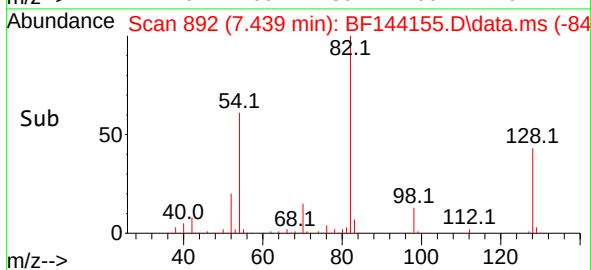
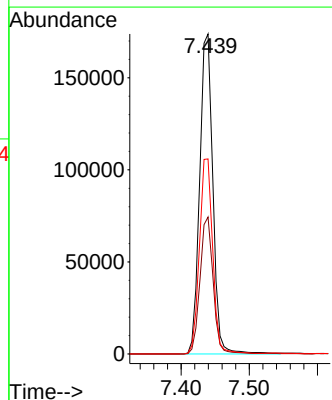
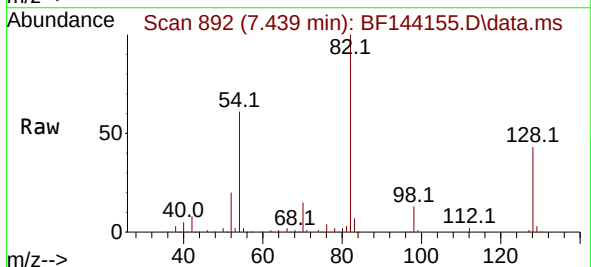
Tgt Ion: 82 Resp: 233471

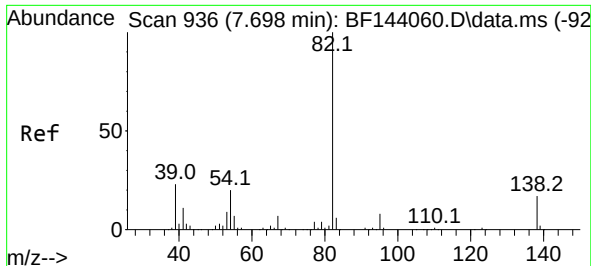
Ion Ratio Lower Upper

82 100

128 42.8 32.4 48.6

54 60.9 54.0 81.0

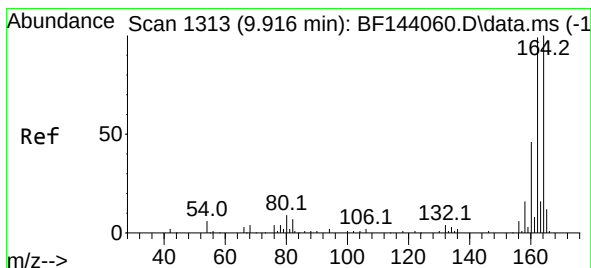
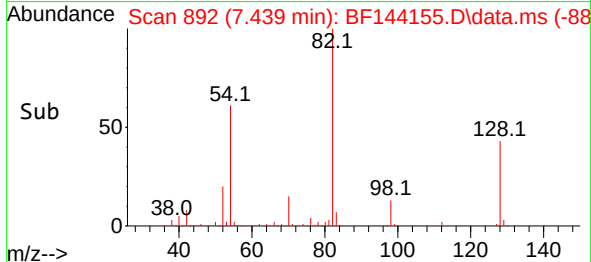
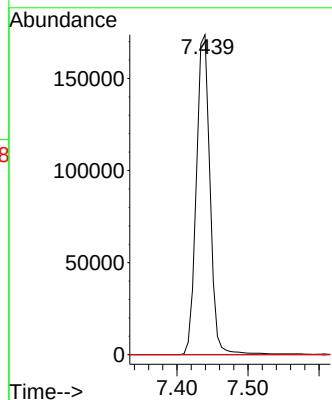
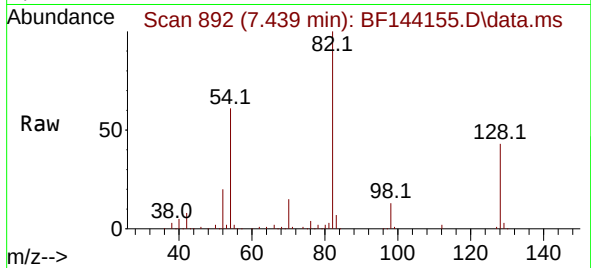




#25
Isophorone
Concen: 30.439 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.259 min
Lab File: BF144155.D
Acq: 30 Oct 2025 22:37

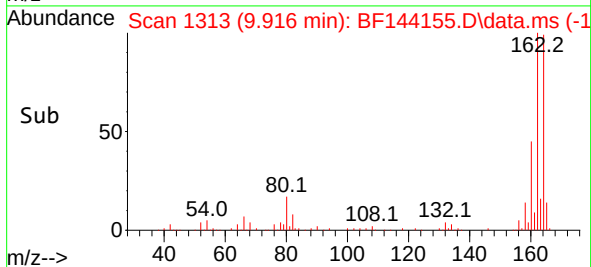
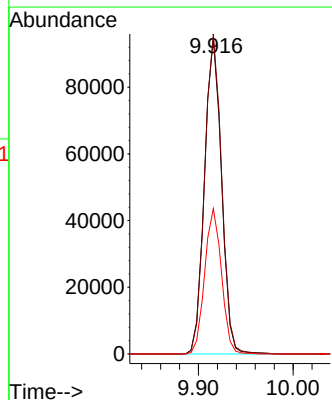
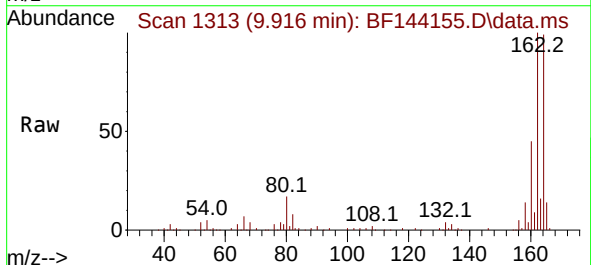
Instrument :
BNA_F
ClientSampleId :
WC-6

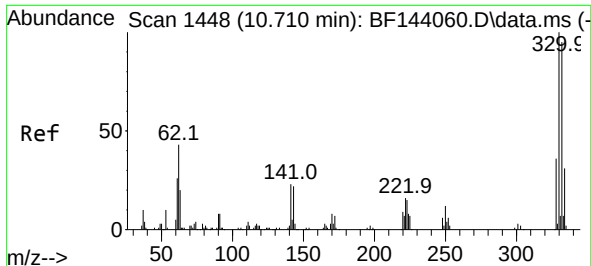
Tgt Ion: 82 Resp: 233469
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.000 min
Lab File: BF144155.D
Acq: 30 Oct 2025 22:37

Tgt Ion:164 Resp: 118309
Ion Ratio Lower Upper
164 100
162 101.4 79.4 119.2
160 46.1 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 53.493 ng

RT: 10.704 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF144155.D

Acq: 30 Oct 2025 22:37

Instrument :

BNA_F

ClientSampleId :

WC-6

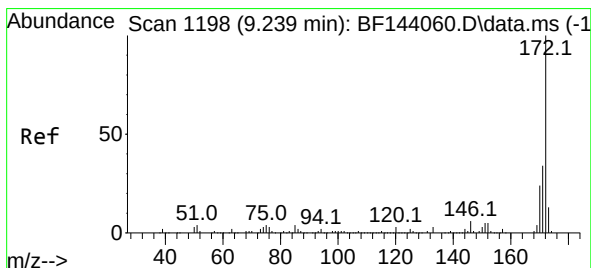
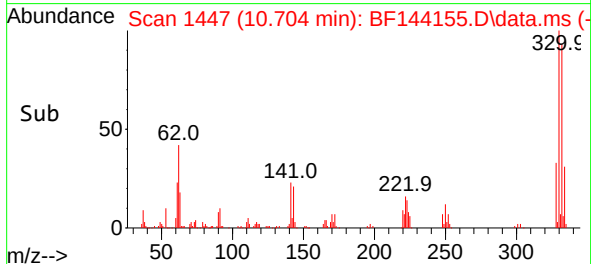
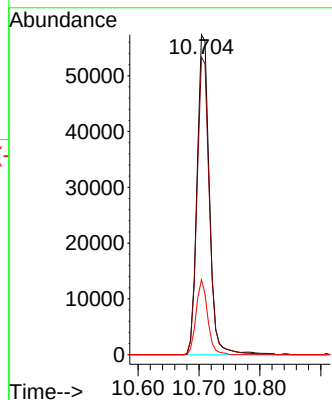
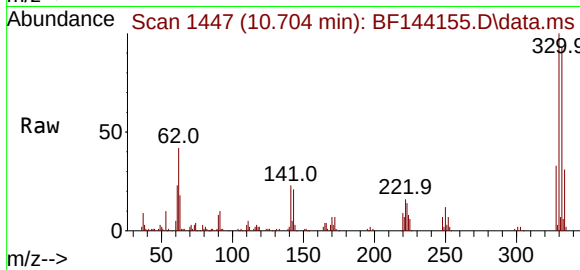
Tgt Ion:330 Resp: 80616

Ion Ratio Lower Upper

330 100

332 93.3 77.0 115.6

141 21.8 19.4 29.0



#45

2-Fluorobiphenyl

Concen: 57.554 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.006 min

Lab File: BF144155.D

Acq: 30 Oct 2025 22:37

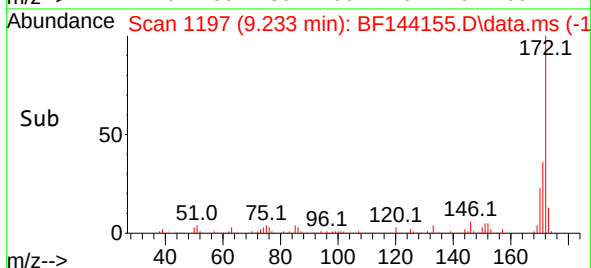
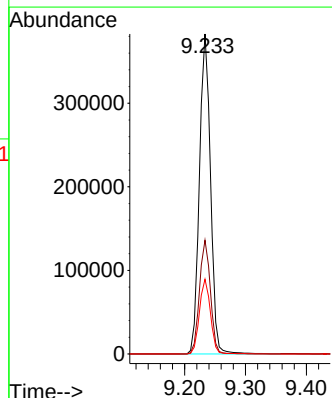
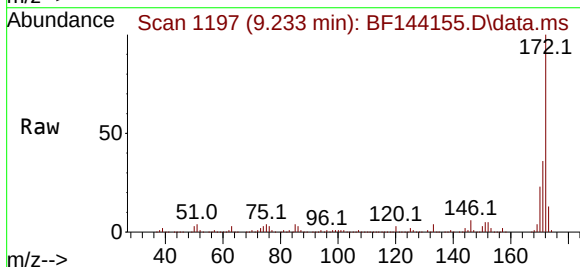
Tgt Ion:172 Resp: 483872

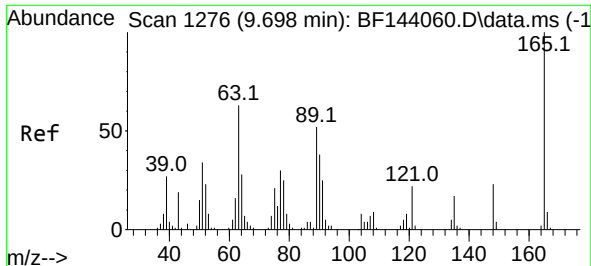
Ion Ratio Lower Upper

172 100

171 35.6 27.5 41.3

170 23.3 19.0 28.6

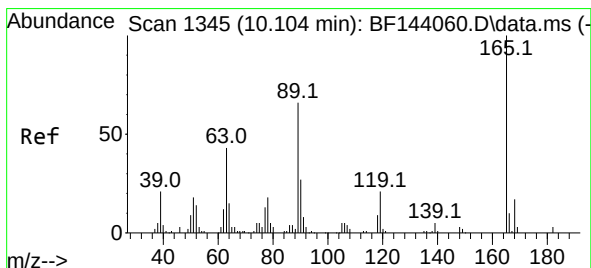
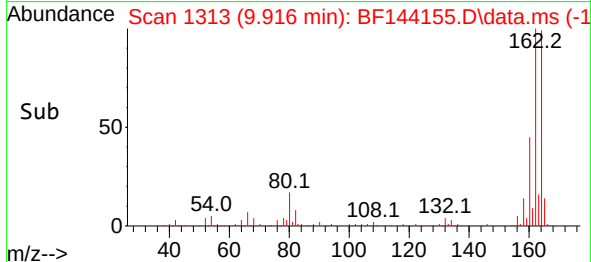
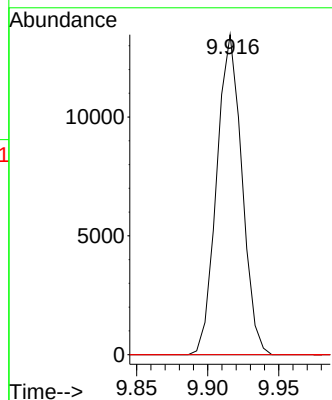
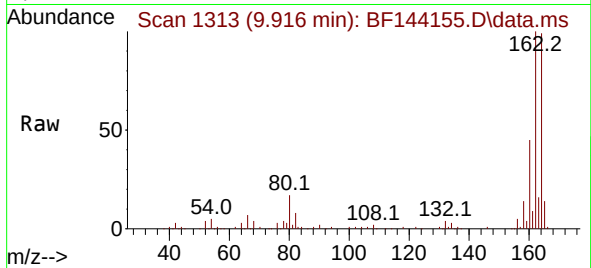




#51
2,6-Dinitrotoluene
Concen: 10.849 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF144155.D
Acq: 30 Oct 2025 22:37

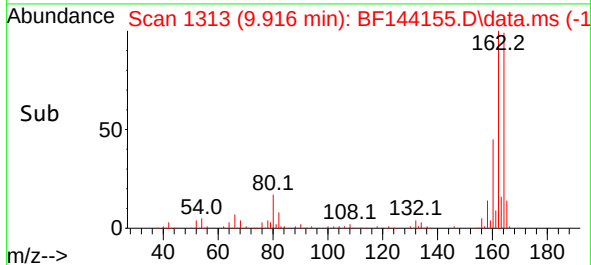
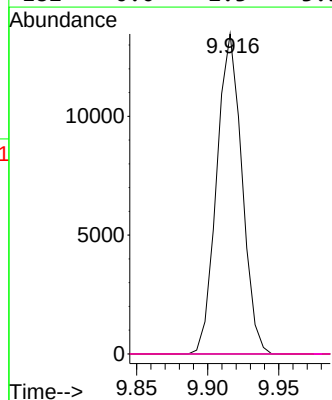
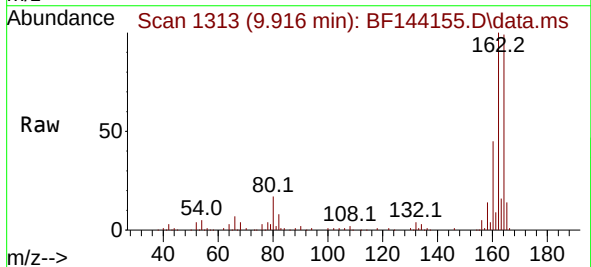
Instrument :
BNA_F
ClientSampleId :
WC-6

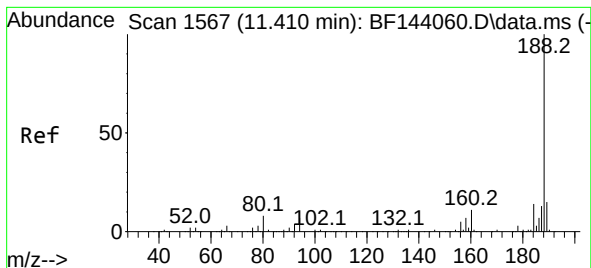
Tgt Ion:165 Resp: 16633
Ion Ratio Lower Upper
165 100
63 0.0 50.4 75.6#
89 0.0 41.4 62.2#



#57
2,4-Dinitrotoluene
Concen: 8.039 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.188 min
Lab File: BF144155.D
Acq: 30 Oct 2025 22:37

Tgt Ion:165 Resp: 16633
Ion Ratio Lower Upper
165 100
63 0.0 35.4 53.2#
89 0.0 52.7 79.1#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF144155.D

Acq: 30 Oct 2025 22:37

Instrument :

BNA_F

ClientSampleId :

WC-6

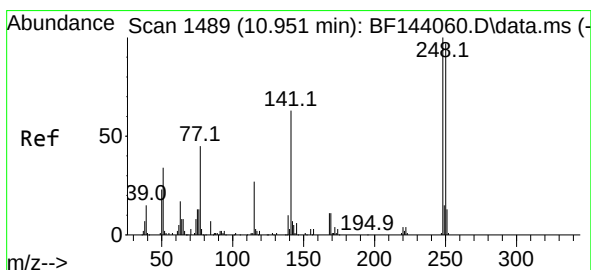
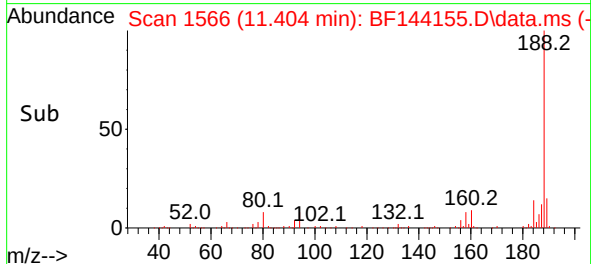
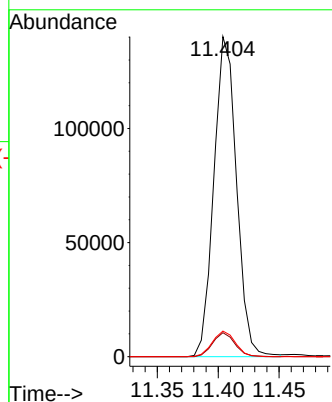
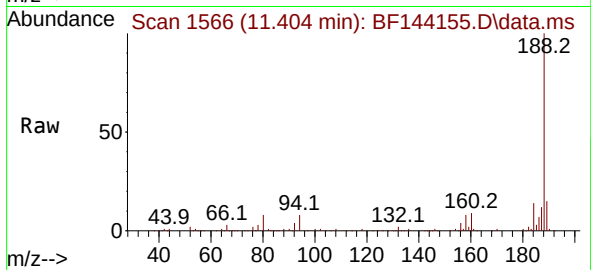
Tgt Ion:188 Resp: 181495

Ion Ratio Lower Upper

188 100

94 7.5 5.4 8.0

80 8.0 6.0 9.0



#67

4-Bromophenyl-phenylether

Concen: 2.228 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.247 min

Lab File: BF144155.D

Acq: 30 Oct 2025 22:37

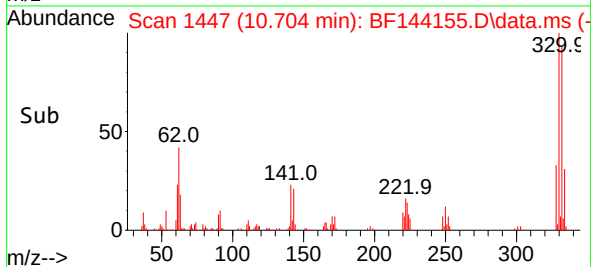
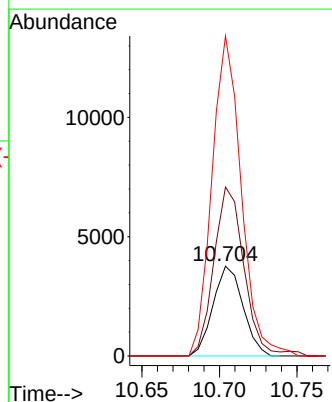
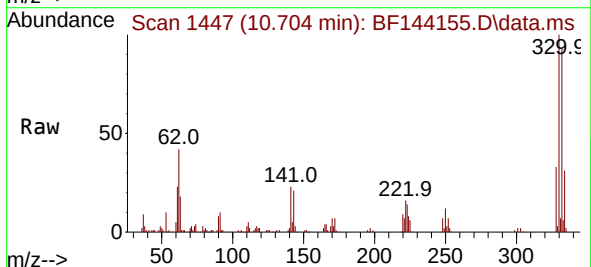
Tgt Ion:248 Resp: 5064

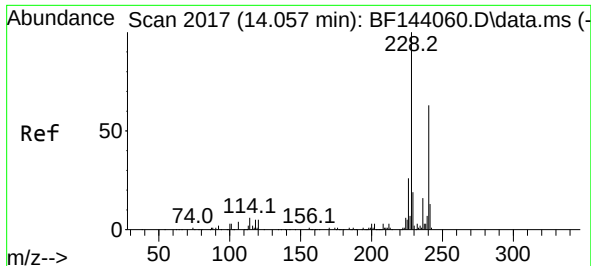
Ion Ratio Lower Upper

248 100

250 188.3 77.8 116.6#

141 356.6 50.5 75.7#

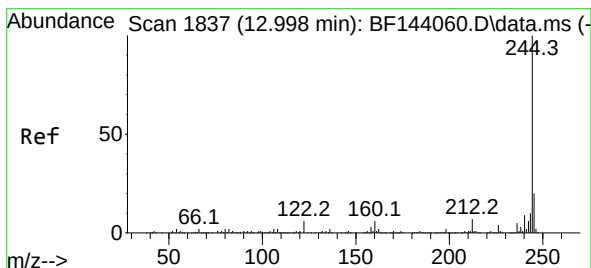
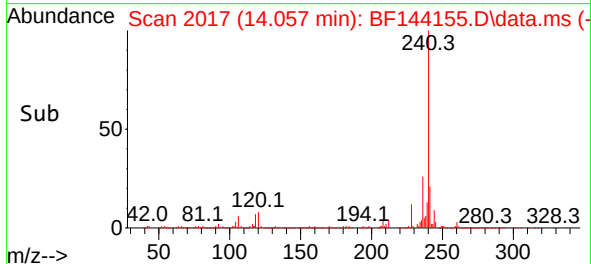
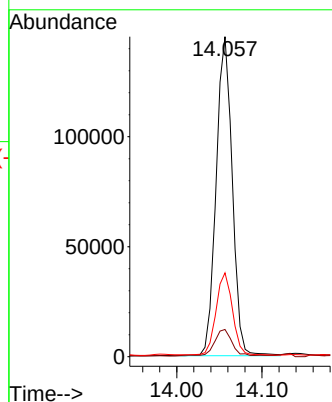
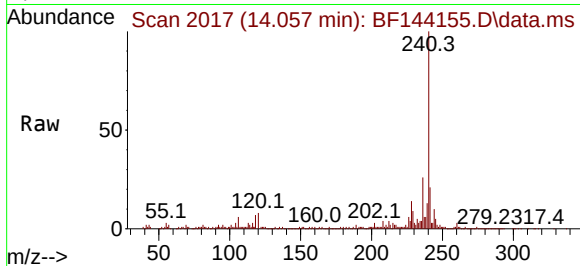




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF144155.D
Acq: 30 Oct 2025 22:37

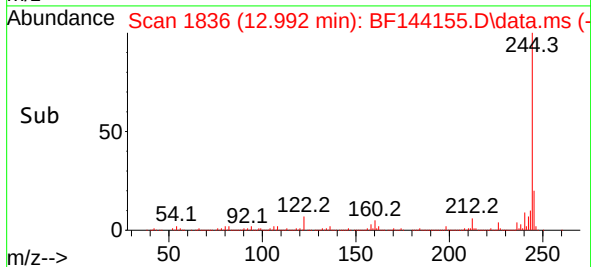
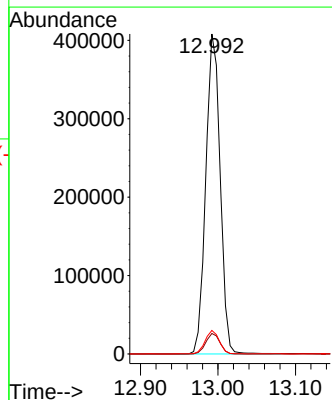
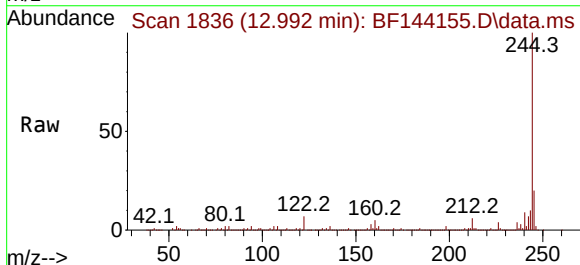
Instrument :
BNA_F
ClientSampleId :
WC-6

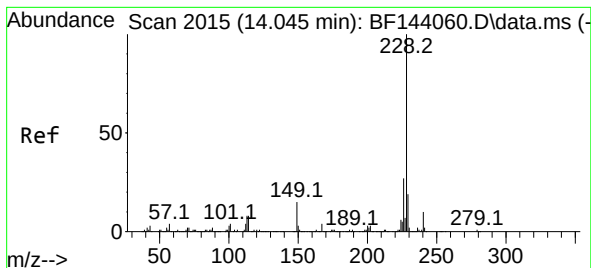
Tgt Ion:240 Resp: 190750
Ion Ratio Lower Upper
240 100
120 8.5 6.5 9.7
236 26.2 20.1 30.1



#79
Terphenyl-d14
Concen: 48.161 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF144155.D
Acq: 30 Oct 2025 22:37

Tgt Ion:244 Resp: 525493
Ion Ratio Lower Upper
244 100
212 6.4 5.8 8.6
122 7.4 4.9 7.3#





#81

Benzo(a)anthracene

Concen: 5.222 ng

RT: 14.068 min Scan# 2019

Delta R.T. 0.024 min

Lab File: BF144155.D

Acq: 30 Oct 2025 22:37

Instrument :

BNA_F

ClientSampleId :

WC-6

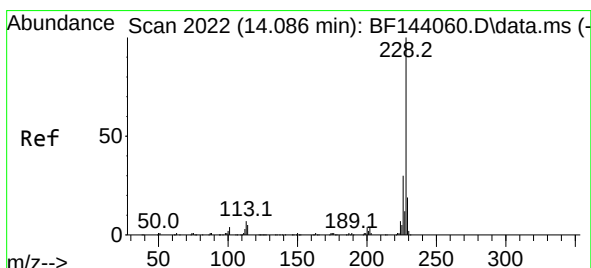
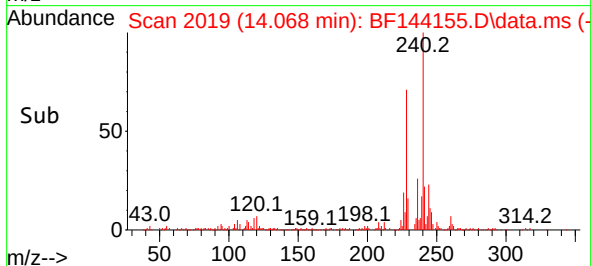
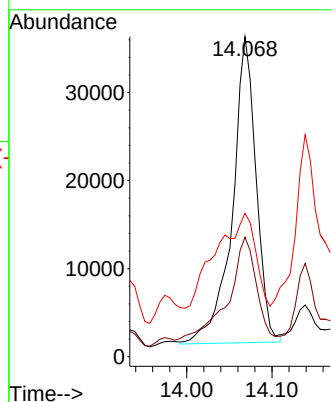
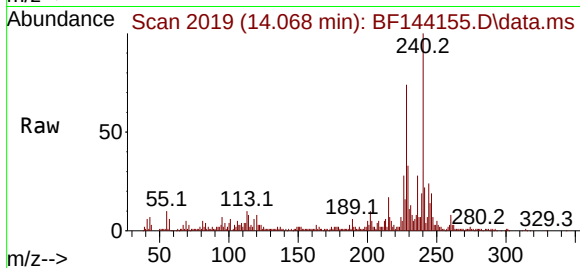
Tgt Ion:228 Resp: 67323

Ion Ratio Lower Upper

228 100

226 37.3 21.4 32.2#

229 44.8 15.3 22.9#



#83

Chrysene

Concen: 5.565 ng

RT: 14.068 min Scan# 2019

Delta R.T. -0.018 min

Lab File: BF144155.D

Acq: 30 Oct 2025 22:37

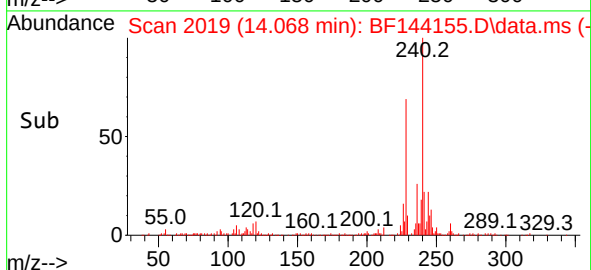
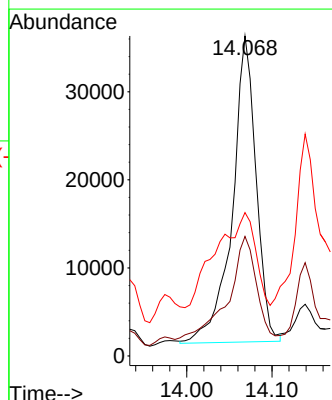
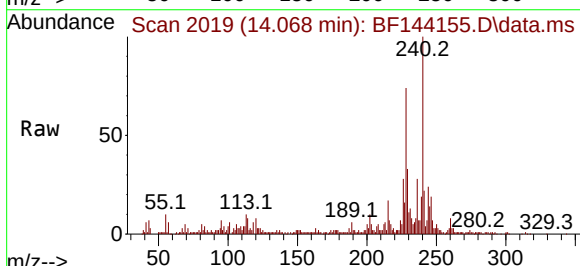
Tgt Ion:228 Resp: 67323

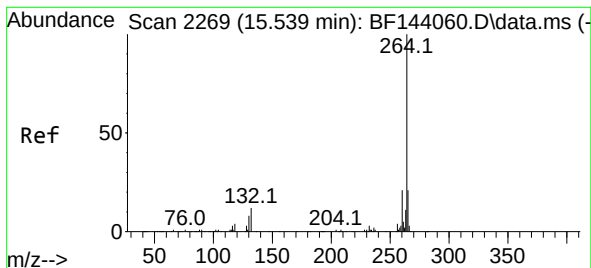
Ion Ratio Lower Upper

228 100

226 37.3 23.8 35.6#

229 44.8 15.6 23.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2196

Delta R.T. 0.012 min

Lab File: BF144155.D

Acq: 30 Oct 2025 22:37

Instrument :

BNA_F

ClientSampleId :

WC-6

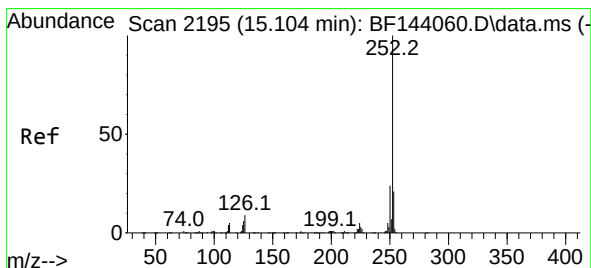
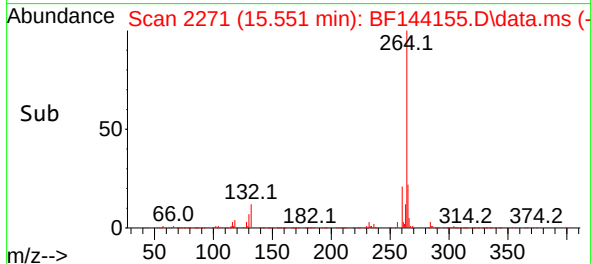
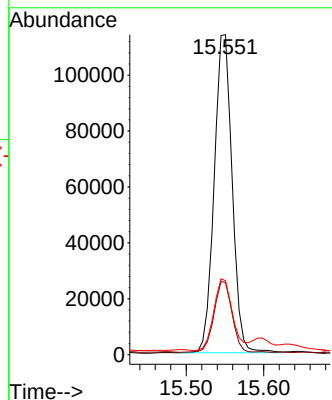
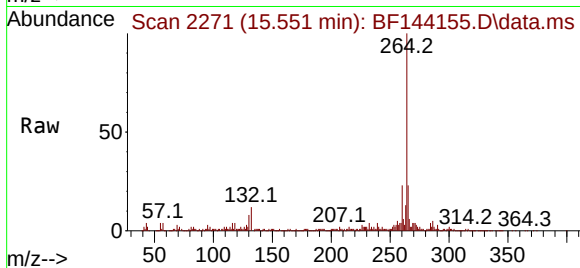
Tgt Ion:264 Resp: 183790

Ion Ratio Lower Upper

264 100

260 22.6 17.0 25.4

265 23.1 16.6 24.8



#88

Benzo(b)fluoranthene

Concen: 2.265 ng

RT: 15.109 min Scan# 2196

Delta R.T. 0.006 min

Lab File: BF144155.D

Acq: 30 Oct 2025 22:37

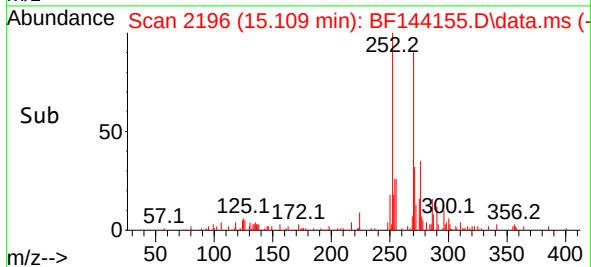
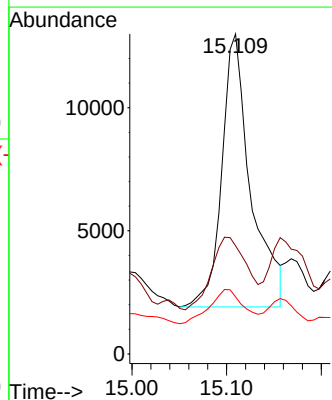
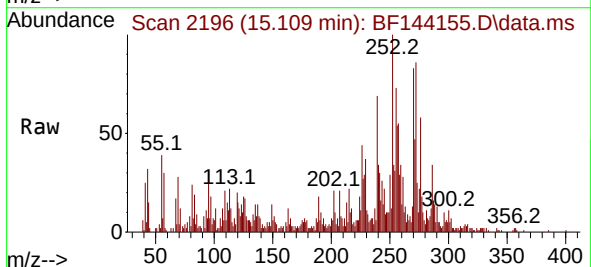
Tgt Ion:252 Resp: 23535

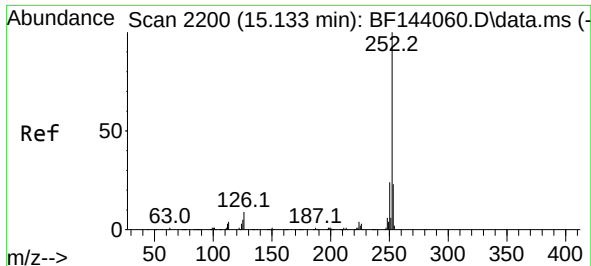
Ion Ratio Lower Upper

252 100

253 33.8 17.2 25.8#

125 17.8 5.0 7.6#

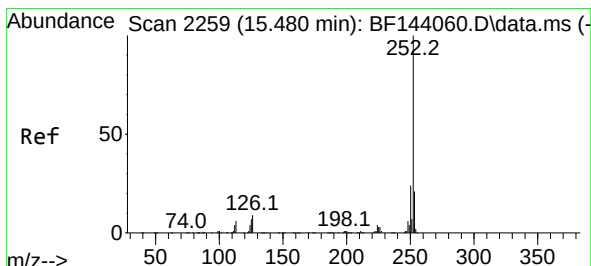
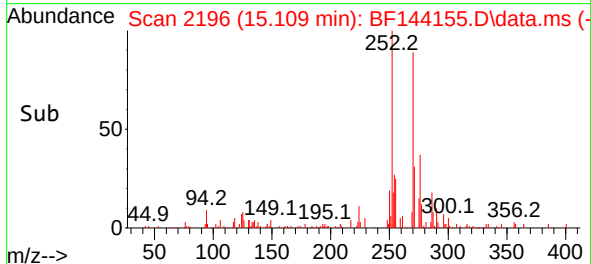
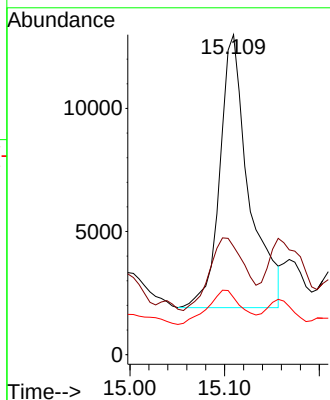
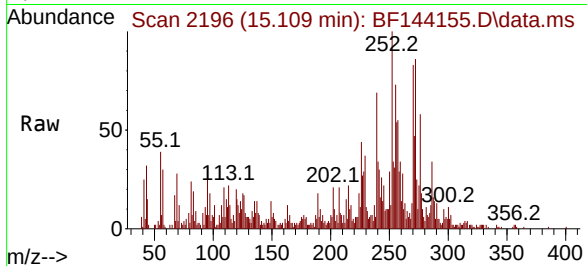




#89
Benzo(k)fluoranthene
Concen: 2.455 ng
RT: 15.109 min Scan# 2196
Delta R.T. -0.024 min
Lab File: BF144155.D
Acq: 30 Oct 2025 22:37

Instrument :
BNA_F
ClientSampleId :
WC-6

Tgt Ion:252 Resp: 23535
Ion Ratio Lower Upper
252 100
253 33.8 17.4 26.2#
125 17.8 4.9 7.3#



#90
Benzo(a)pyrene
Concen: 2.521 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.000 min
Lab File: BF144155.D
Acq: 30 Oct 2025 22:37

Tgt Ion:252 Resp: 23498
Ion Ratio Lower Upper
252 100
253 43.0 17.1 25.7#
125 14.3 5.4 8.2#

