

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141395.D
 Acq On : 04 Feb 2025 03:01
 Operator : RC/JU
 Sample : Q1218-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BELL-25-002

Quant Time: Feb 04 03:41:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

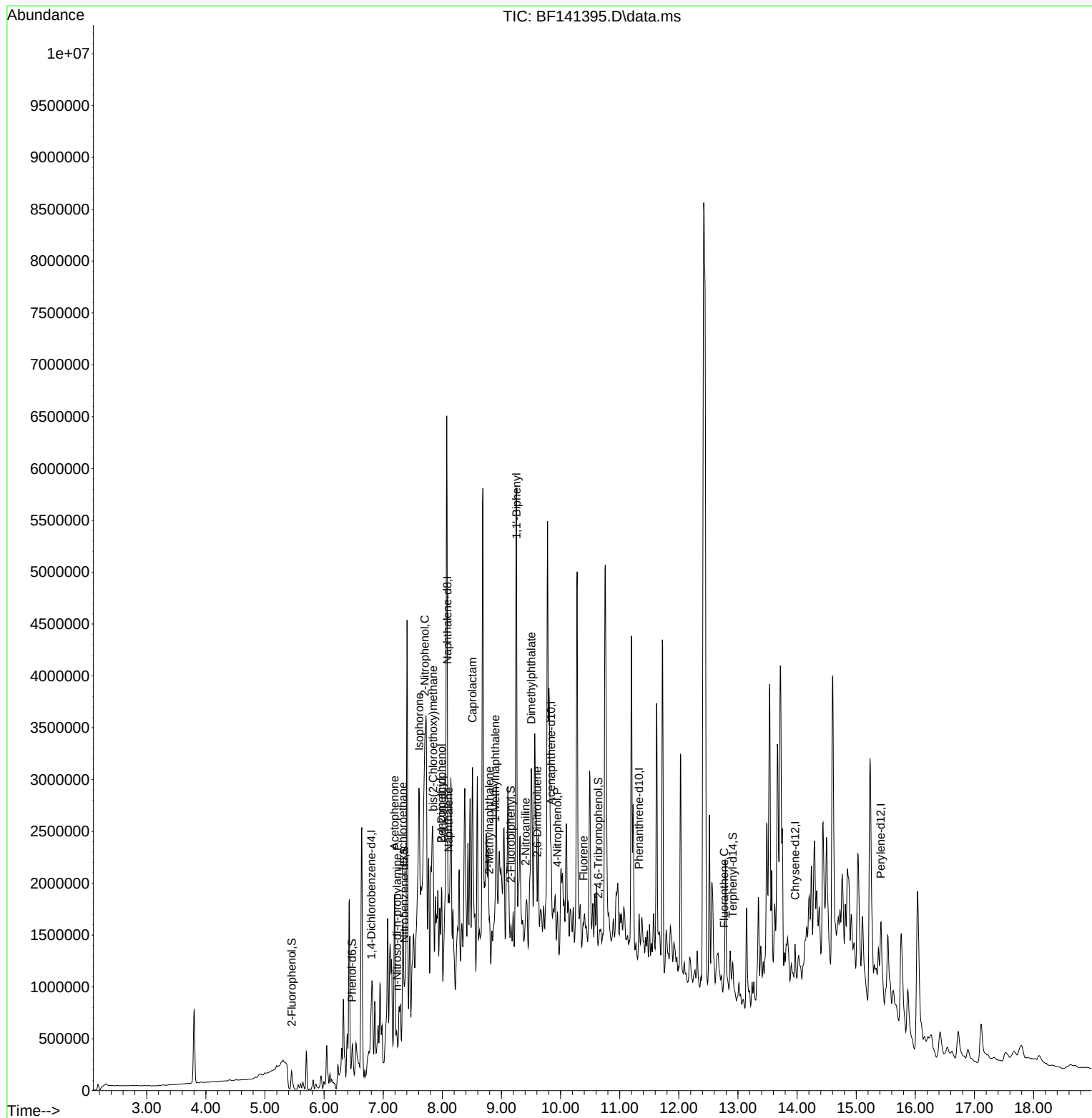
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	73084	20.000	ng	0.00
21) Naphthalene-d8	8.086	136	219890	20.000	ng	# 0.00
39) Acenaphthene-d10	9.839	164	109268	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	178043	20.000	ng	0.00
76) Chrysene-d12	13.968	240	147056	20.000	ng	# 0.00
86) Perylene-d12	15.415	264	100419	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	80084	16.822	ng	0.04
7) Phenol-d6	6.475	99	91621	15.129	ng	0.04
23) Nitrobenzene-d5	7.357	82	93813	22.491	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	11380	11.360	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	80581	11.351	ng	0.00
79) Terphenyl-d14	12.910	244	87429	9.169	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.334	117	73175	35.096	ng	# 1
19) n-Nitroso-di-n-propyla...	7.234	70	10666	2.964	ng	# 77
22) Acetophenone	7.192	105	173227	33.142	ng	# 37
25) Isophorone	7.610	82	78284	10.857	ng	# 1
26) 2-Nitrophenol	7.704	139	6742	3.307	ng	# 1
27) 2,4-Dimethylphenol	7.986	122	435130	167.692	ng	# 7
28) bis(2-Chloroethoxy)met...	7.845	93	14178	3.083	ng	# 1
31) Naphthalene	8.104	128	103239	8.888	ng	# 69
32) Benzoic acid	7.986	122	469754	196.932	ng	84
35) Caprolactam	8.510	113	49232	47.455	ng	# 1
37) 2-Methylnaphthalene	8.798	142	127793	17.309	ng	99
38) 1-Methylnaphthalene	8.898	142	80610	11.115	ng	93
46) 1,1'-Biphenyl	9.257	154	47743	5.603	ng	97
48) 2-Nitroaniline	9.410	65	7756	3.712	ng	# 35
50) Dimethylphthalate	9.504	163	61564	8.342	ng	# 86
51) 2,6-Dinitrotoluene	9.604	165	5518	3.220	ng	# 77
56) 4-Nitrophenol	9.945	139	6617	5.387	ng	# 1
58) Fluorene	10.386	166	14292	2.072	ng	# 23
75) Fluoranthene	12.769	202	20045	2.121	ng	80

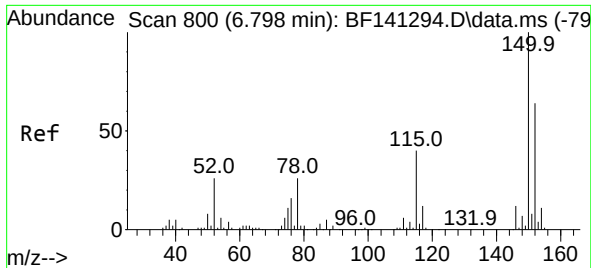
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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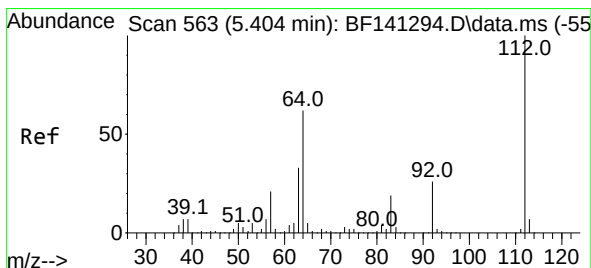
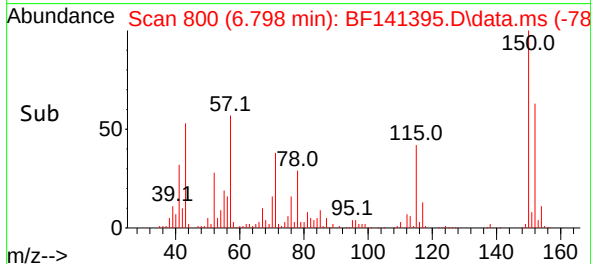
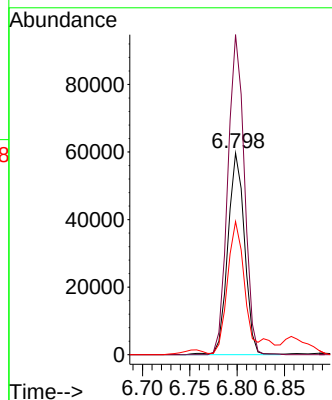
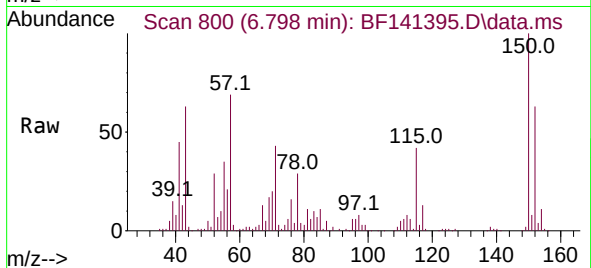




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF141395.D
Acq: 04 Feb 2025 03:01

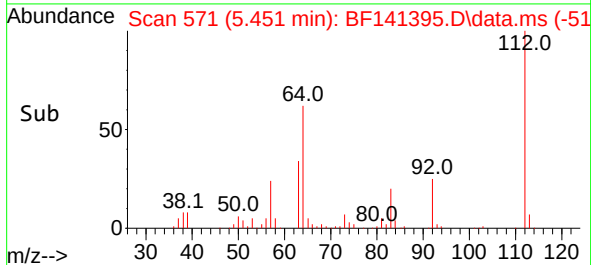
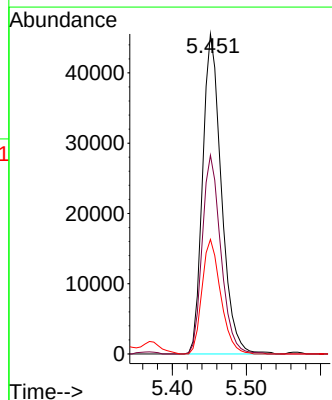
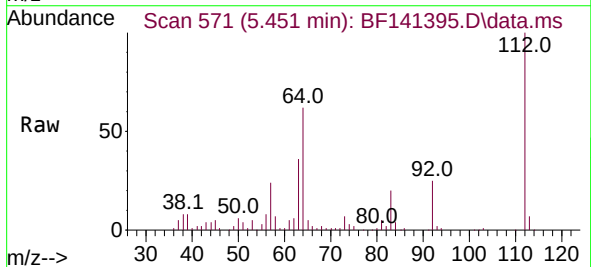
Instrument :
BNA_F
ClientSampleId :
BELL-25-002

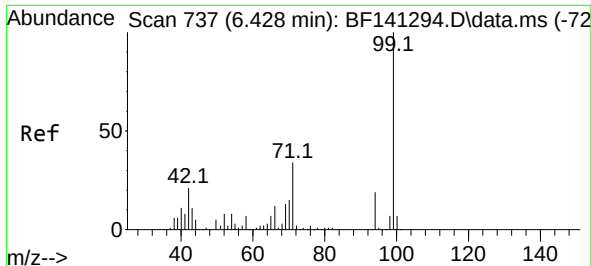
Tgt Ion:152 Resp: 73084
Ion Ratio Lower Upper
152 100
150 158.7 125.9 188.9
115 66.0 49.7 74.5



#5
2-Fluorophenol
Concen: 16.822 ng
RT: 5.451 min Scan# 571
Delta R.T. 0.041 min
Lab File: BF141395.D
Acq: 04 Feb 2025 03:01

Tgt Ion:112 Resp: 80084
Ion Ratio Lower Upper
112 100
64 62.1 49.8 74.8
63 35.8 26.1 39.1





#7

Phenol-d6

Concen: 15.129 ng

RT: 6.475 min Scan# 74

Delta R.T. 0.035 min

Lab File: BF141395.D

Acq: 04 Feb 2025 03:01

Instrument :

BNA_F

ClientSampleId :

BELL-25-002

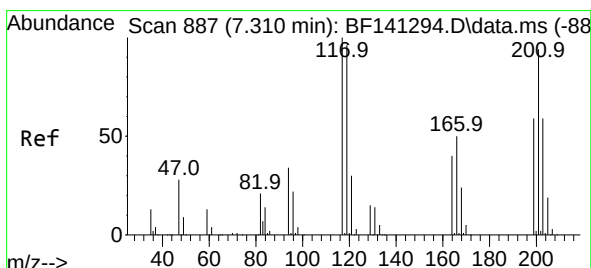
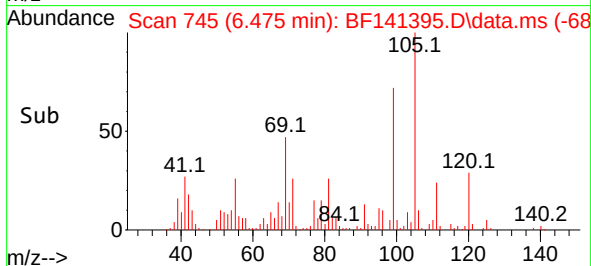
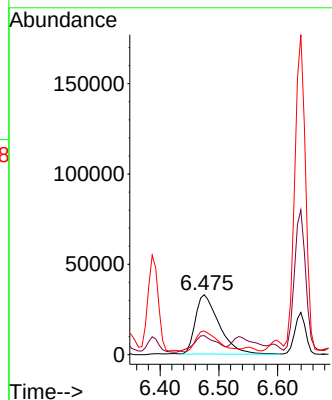
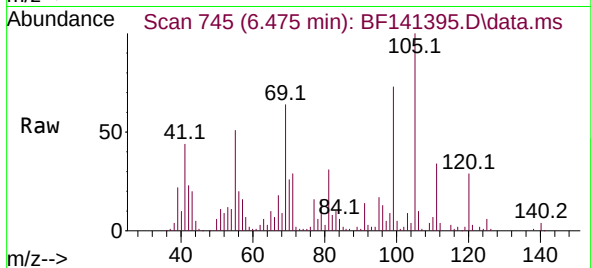
Tgt Ion: 99 Resp: 91621

Ion Ratio Lower Upper

99 100

42 31.8 17.1 25.7#

71 39.6 26.9 40.3



#18

Hexachloroethane

Concen: 35.096 ng

RT: 7.334 min Scan# 891

Delta R.T. 0.018 min

Lab File: BF141395.D

Acq: 04 Feb 2025 03:01

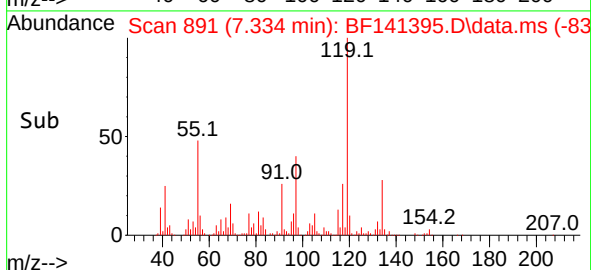
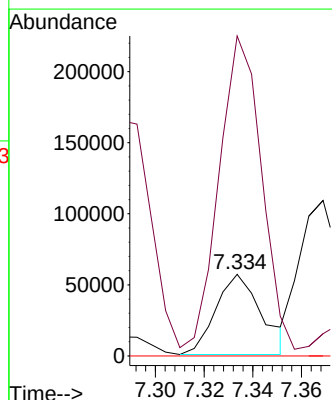
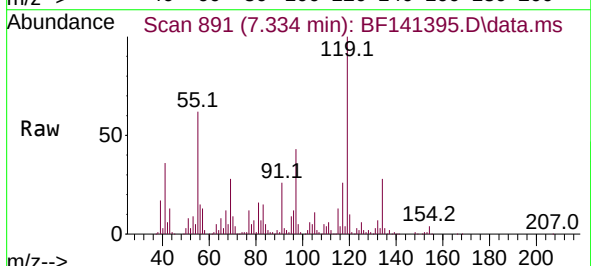
Tgt Ion: 117 Resp: 73175

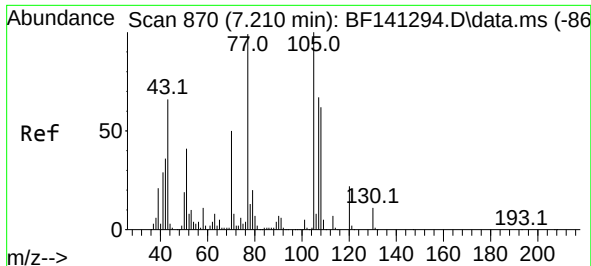
Ion Ratio Lower Upper

117 100

119 391.8 76.6 114.8#

201 0.0 74.8 112.2#

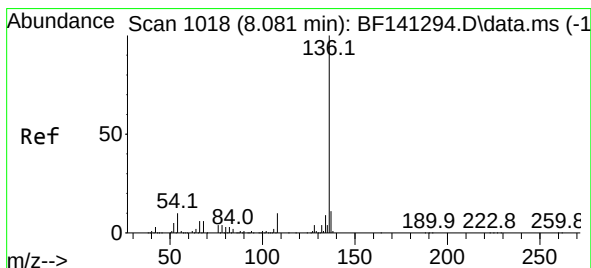
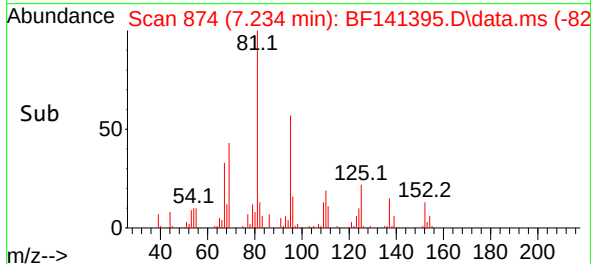
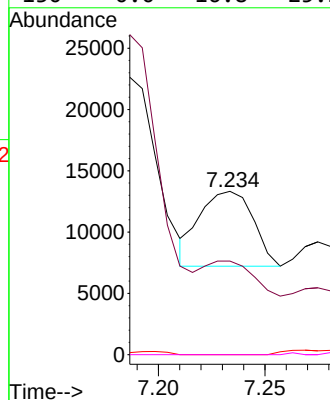
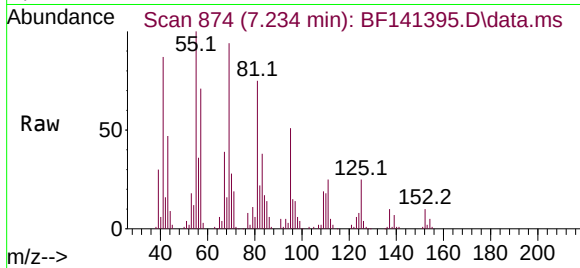




#19
n-Nitroso-di-n-propylamine
Concen: 2.964 ng
RT: 7.234 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF141395.D
Acq: 04 Feb 2025 03:01

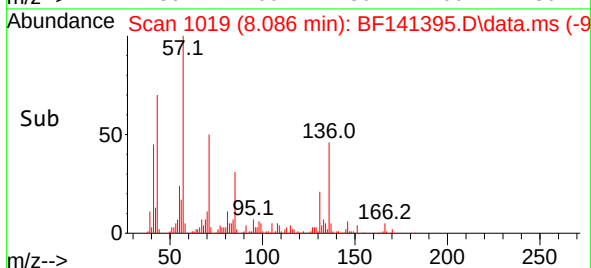
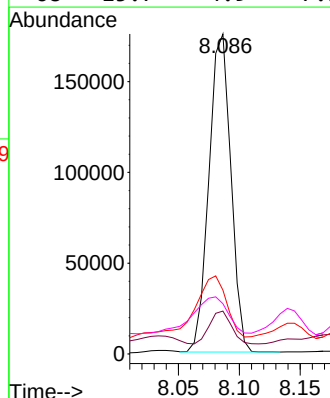
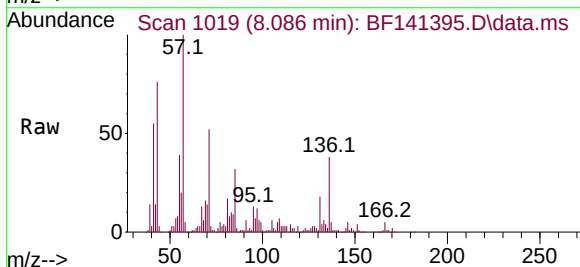
Instrument :
BNA_F
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BELL-25-002

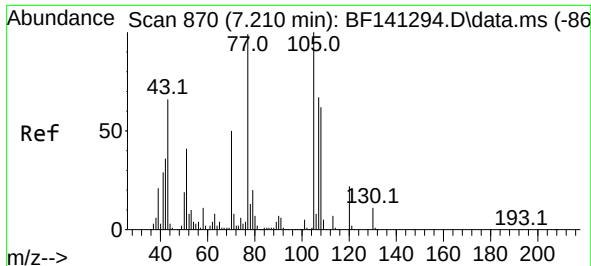
Tgt Ion: 70 Resp: 10666
Ion Ratio Lower Upper
70 100
42 57.3 56.8 85.2
101 0.0 7.7 11.5#
130 0.0 16.8 25.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.086 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF141395.D
Acq: 04 Feb 2025 03:01

Tgt Ion: 136 Resp: 219890
Ion Ratio Lower Upper
136 100
137 13.4 8.6 13.0#
54 20.0 7.8 11.8#
68 15.7 4.9 7.3#

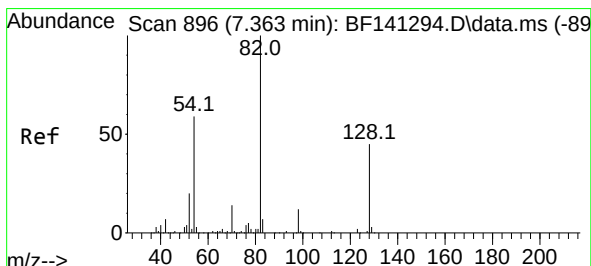
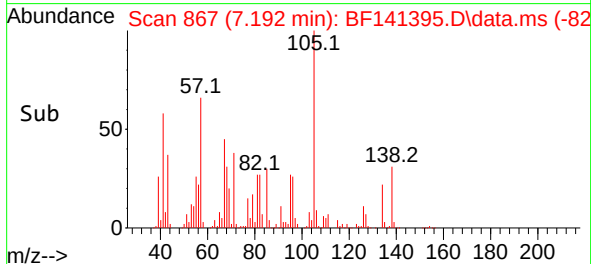
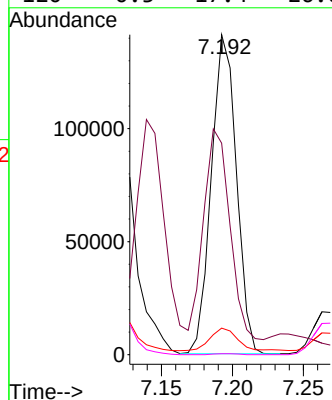
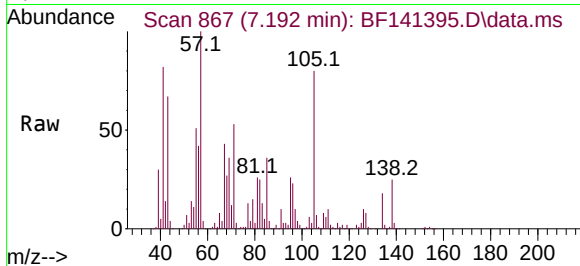




#22
Acetophenone
Concen: 33.142 ng
RT: 7.192 min Scan# 867
Delta R.T. -0.024 min
Lab File: BF141395.D
Acq: 04 Feb 2025 03:01

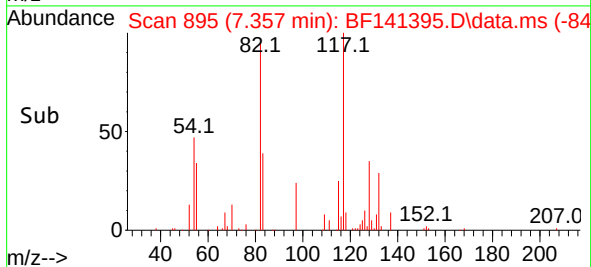
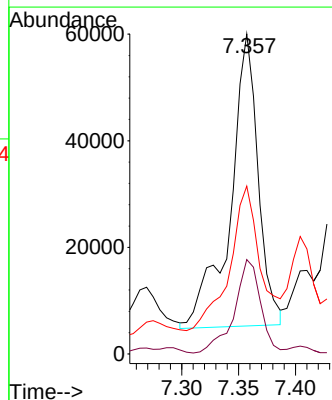
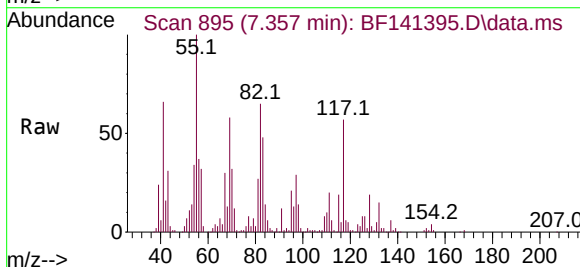
Instrument :
BNA_F
ClientSampleId :
BELL-25-002

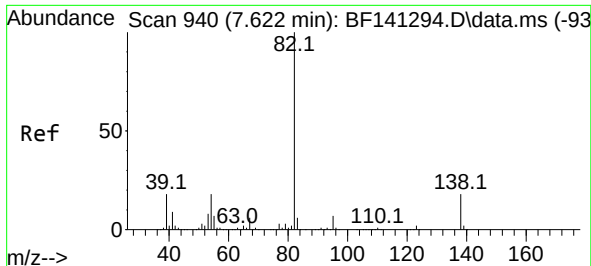
Tgt Ion:105 Resp: 173227
Ion Ratio Lower Upper
105 100
71 66.1 6.8 10.2#
51 8.3 32.6 49.0#
120 0.3 17.4 26.0#



#23
Nitrobenzene-d5
Concen: 22.491 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF141395.D
Acq: 04 Feb 2025 03:01

Tgt Ion: 82 Resp: 93813
Ion Ratio Lower Upper
82 100
128 29.5 35.7 53.5#
54 52.5 47.1 70.7

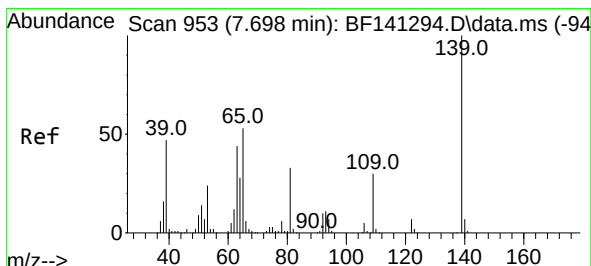
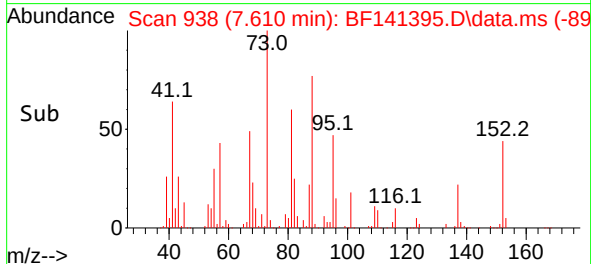
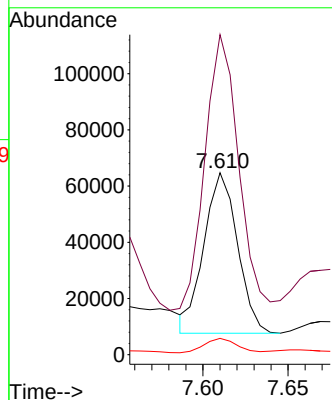
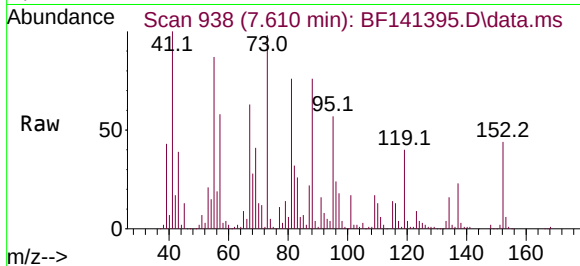




#25
Isophorone
Concen: 10.857 ng
RT: 7.610 min Scan# 91
Delta R.T. -0.018 min
Lab File: BF141395.D
Acq: 04 Feb 2025 03:01

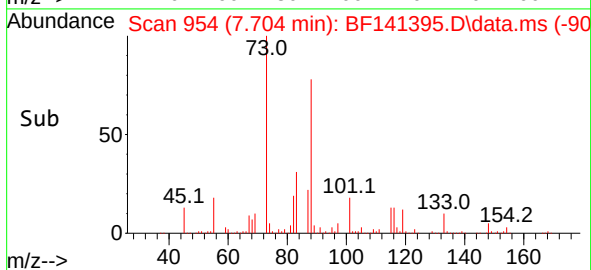
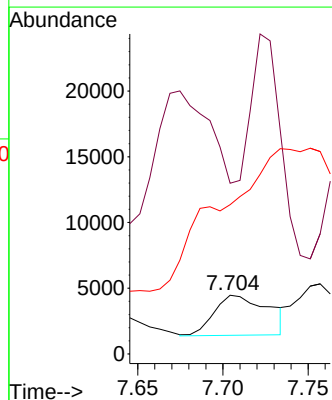
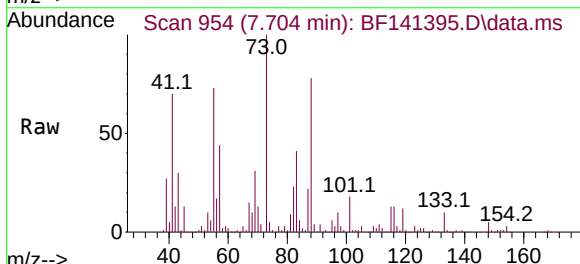
Instrument :
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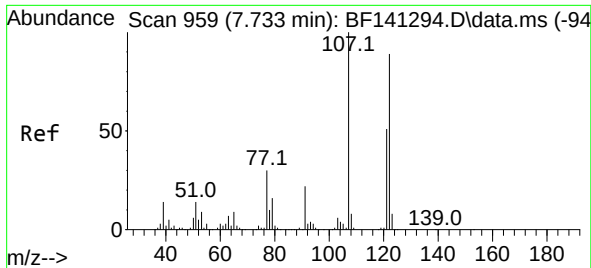
Tgt Ion: 82 Resp: 78284
Ion Ratio Lower Upper
82 100
95 175.9 5.8 8.6#
138 8.9 14.7 22.1#



#26
2-Nitrophenol
Concen: 3.307 ng
RT: 7.704 min Scan# 954
Delta R.T. -0.000 min
Lab File: BF141395.D
Acq: 04 Feb 2025 03:01

Tgt Ion:139 Resp: 6742
Ion Ratio Lower Upper
139 100
109 290.8 23.8 35.6#
65 254.3 42.2 63.4#





#27

2,4-Dimethylphenol

Concen: 167.692 ng

RT: 7.986 min Scan# 1002

Delta R.T. 0.247 min

Lab File: BF141395.D

Acq: 04 Feb 2025 03:01

Instrument :

BNA_F

ClientSampleId :

BELL-25-002

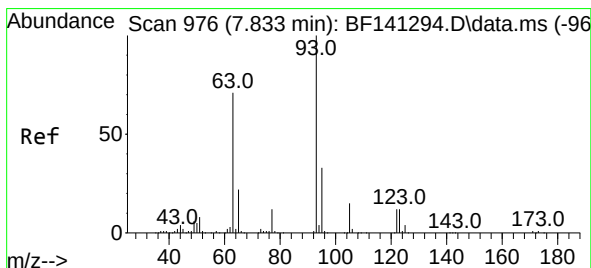
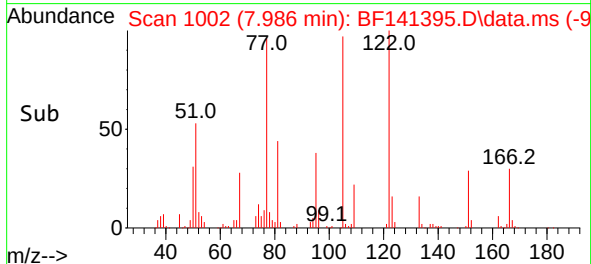
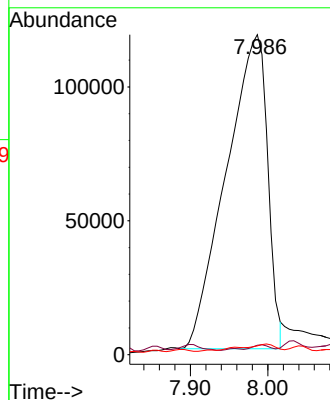
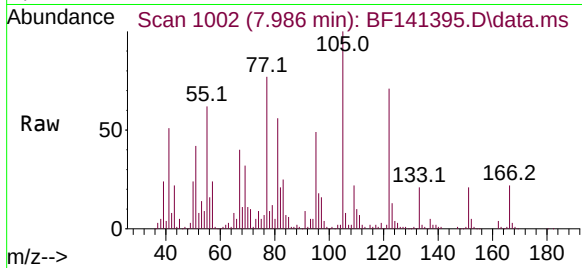
Tgt Ion:122 Resp: 435130

Ion Ratio Lower Upper

122 100

107 3.0 89.9 134.9#

121 2.8 46.1 69.1#



#28

bis(2-Chloroethoxy)methane

Concen: 3.083 ng

RT: 7.845 min Scan# 978

Delta R.T. 0.006 min

Lab File: BF141395.D

Acq: 04 Feb 2025 03:01

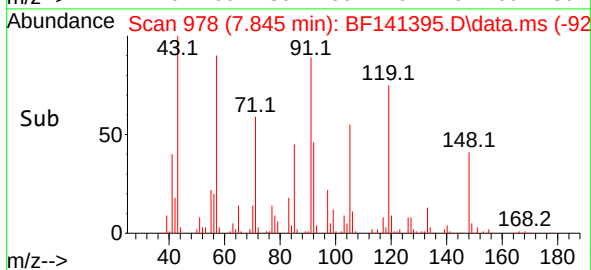
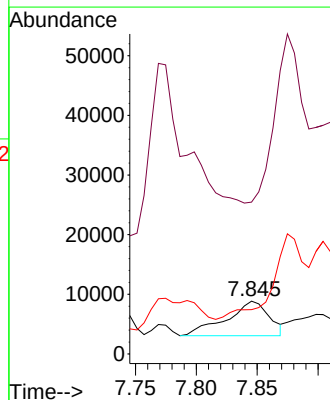
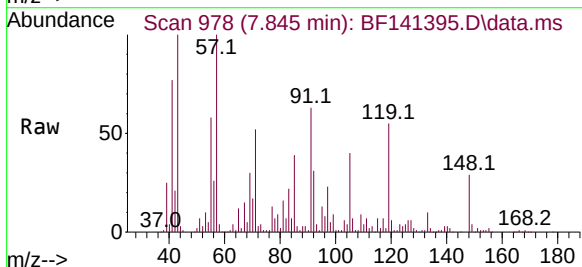
Tgt Ion: 93 Resp: 14178

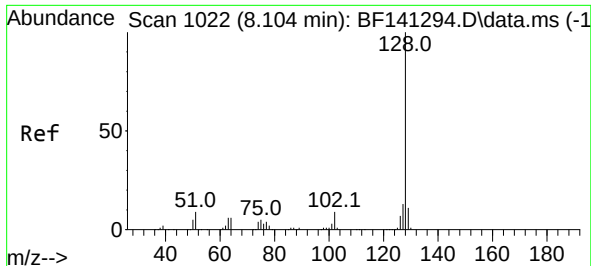
Ion Ratio Lower Upper

93 100

95 288.0 26.2 39.2#

123 84.0 10.2 15.4#

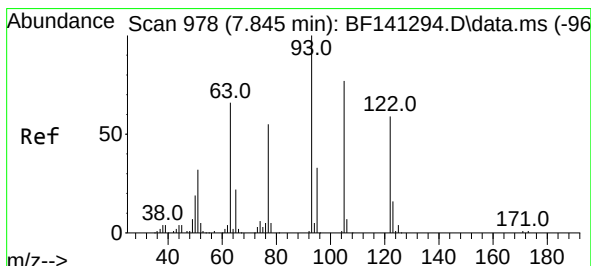
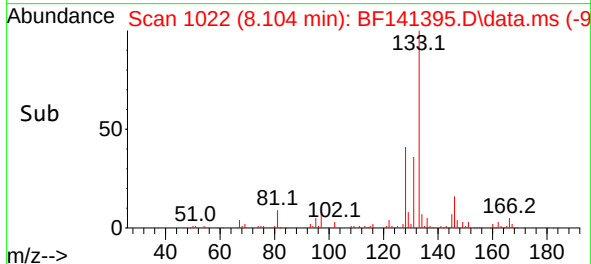
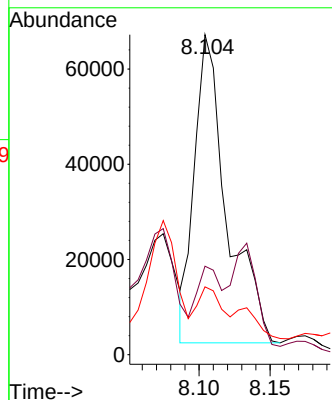
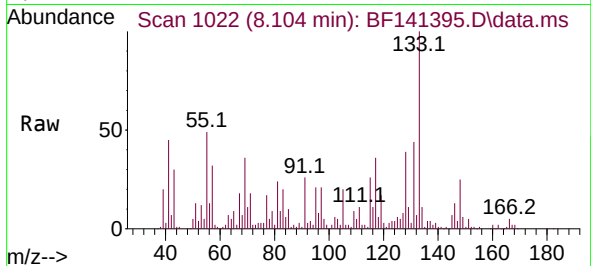




#31
Naphthalene
Concen: 8.888 ng
RT: 8.104 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BF141395.D
Acq: 04 Feb 2025 03:01

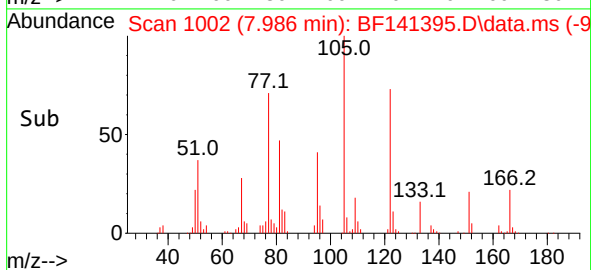
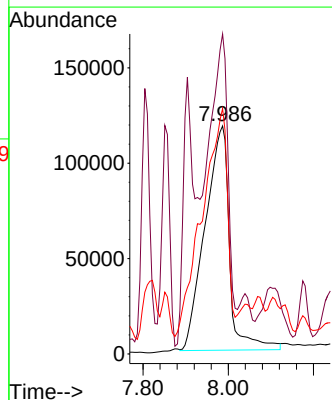
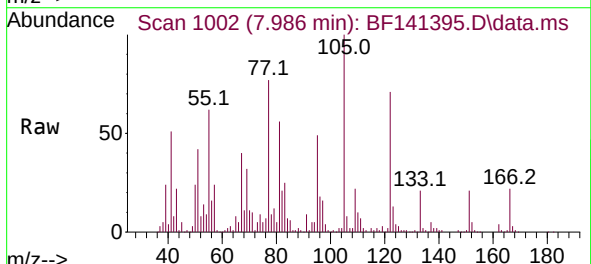
Instrument :
BNA_F
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BELL-25-002

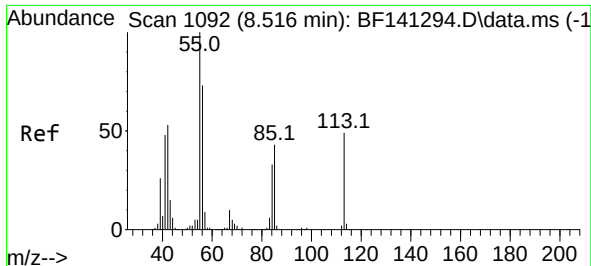
Tgt Ion:128 Resp: 103239
Ion Ratio Lower Upper
128 100
129 27.6 8.9 13.3#
127 21.2 10.6 15.8#



#32
Benzoic acid
Concen: 196.932 ng
RT: 7.986 min Scan# 1002
Delta R.T. 0.106 min
Lab File: BF141395.D
Acq: 04 Feb 2025 03:01

Tgt Ion:122 Resp: 469754
Ion Ratio Lower Upper
122 100
105 140.3 103.4 143.4
77 107.7 70.9 110.9

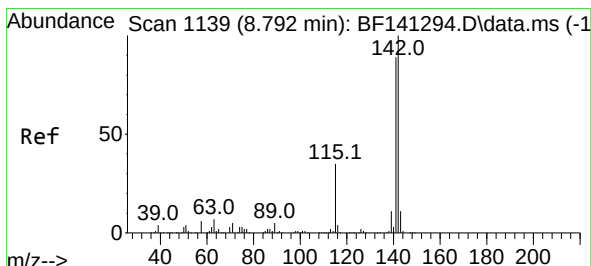
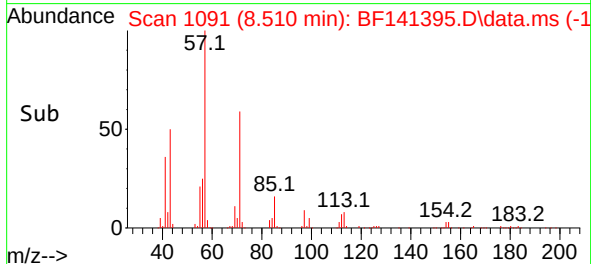
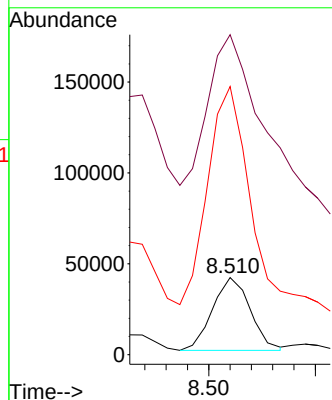
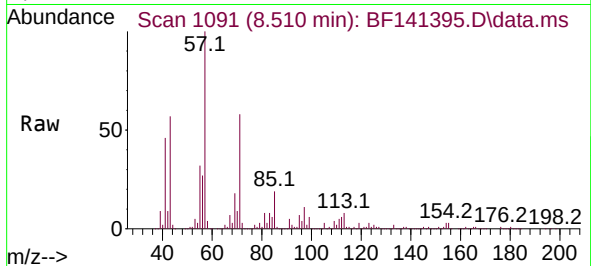




#35
 Caprolactam
 Concen: 47.455 ng
 RT: 8.510 min Scan# 1092
 Delta R.T. -0.035 min
 Lab File: BF141395.D
 Acq: 04 Feb 2025 03:01

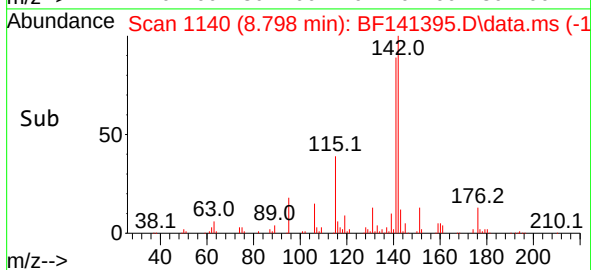
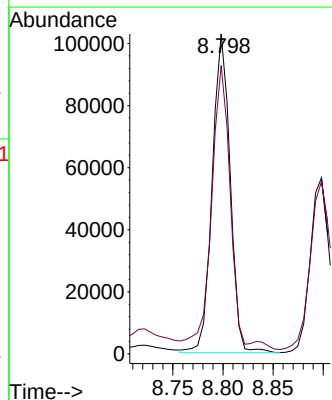
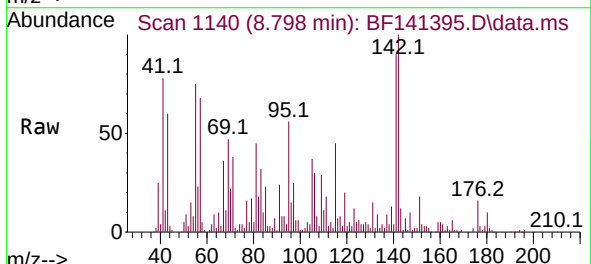
Instrument :
 BNA_F
 ClientSampleId :
 BELL-25-002

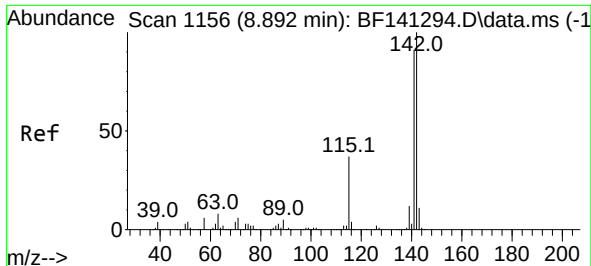
Tgt Ion:113 Resp: 49232
 Ion Ratio Lower Upper
 113 100
 55 414.9 182.9 222.9#
 56 347.7 127.9 167.9#



#37
 2-Methylnaphthalene
 Concen: 17.309 ng
 RT: 8.798 min Scan# 1140
 Delta R.T. -0.000 min
 Lab File: BF141395.D
 Acq: 04 Feb 2025 03:01

Tgt Ion:142 Resp: 127793
 Ion Ratio Lower Upper
 142 100
 141 90.1 71.3 106.9

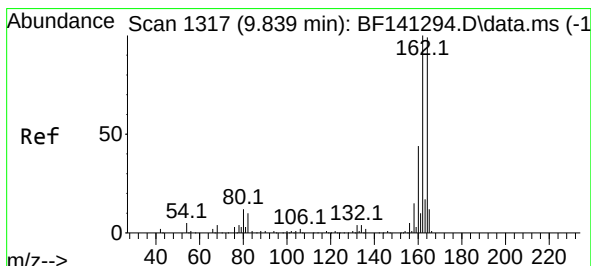
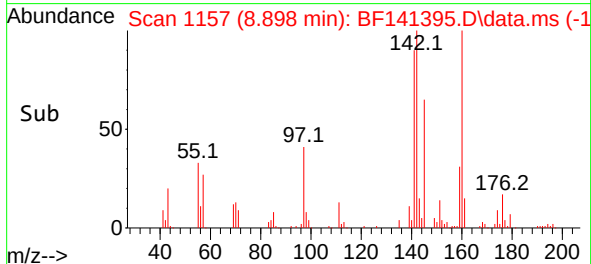
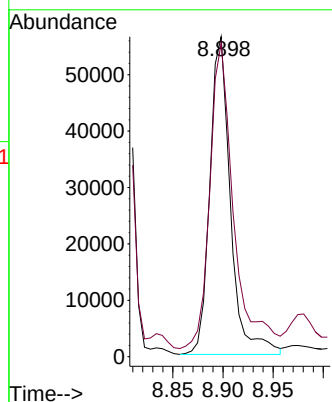
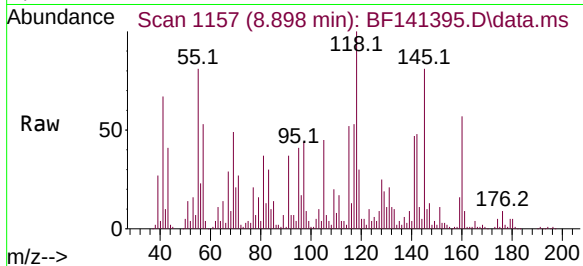




#38
1-Methylnaphthalene
Concen: 11.115 ng
RT: 8.898 min Scan# 1156
Delta R.T. -0.000 min
Lab File: BF141395.D
Acq: 04 Feb 2025 03:01

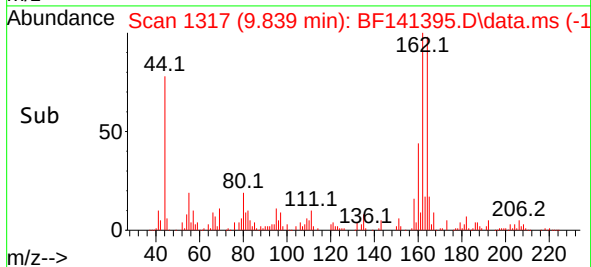
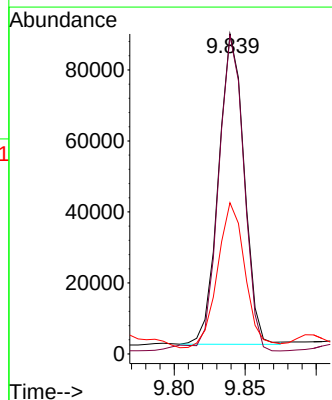
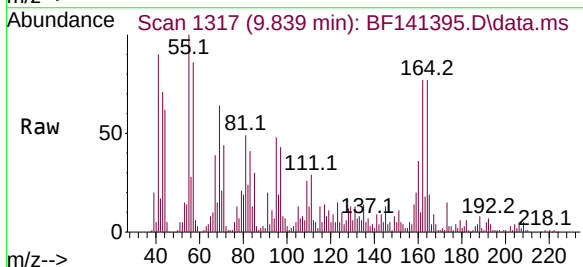
Instrument :
BNA_F
ClientSampleId :
BELL-25-002

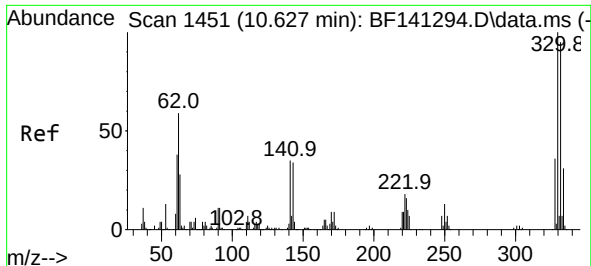
Tgt Ion:142 Resp: 80610
Ion Ratio Lower Upper
142 100
141 98.0 73.2 109.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1317
Delta R.T. -0.000 min
Lab File: BF141395.D
Acq: 04 Feb 2025 03:01

Tgt Ion:164 Resp: 109268
Ion Ratio Lower Upper
164 100
162 99.5 80.6 121.0
160 47.2 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 11.360 ng

RT: 10.639 min Scan# 1451

Delta R.T. 0.006 min

Lab File: BF141395.D

Acq: 04 Feb 2025 03:01

Instrument :

BNA_F

ClientSampleId :

BELL-25-002

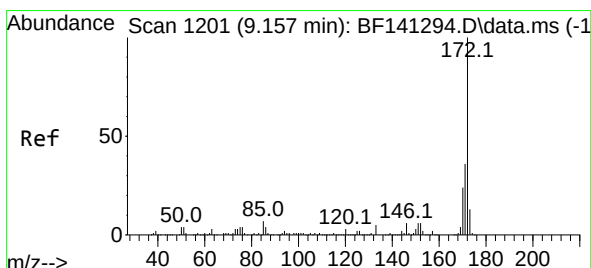
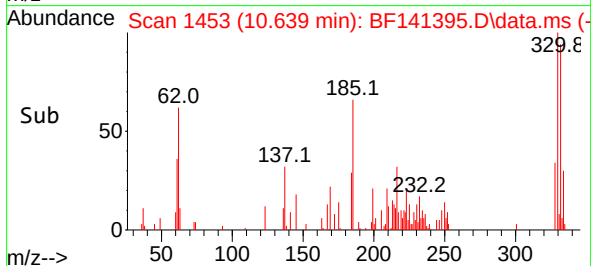
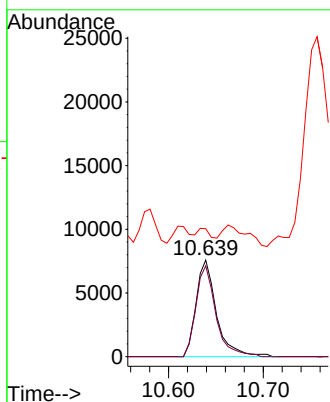
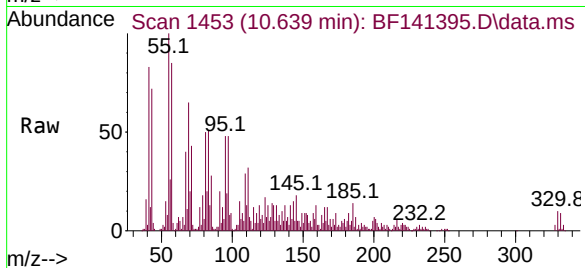
Tgt Ion:330 Resp: 11380

Ion Ratio Lower Upper

330 100

332 91.7 76.1 114.1

141 0.0 28.8 43.2#



#45

2-Fluorobiphenyl

Concen: 11.351 ng

RT: 9.157 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF141395.D

Acq: 04 Feb 2025 03:01

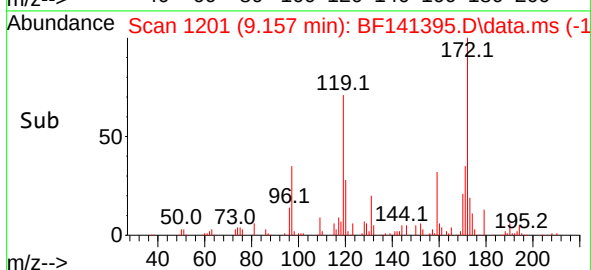
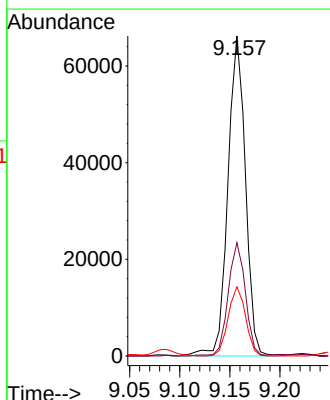
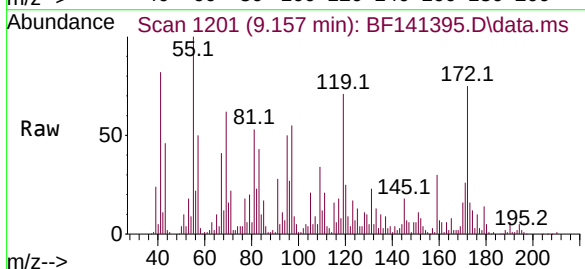
Tgt Ion:172 Resp: 80581

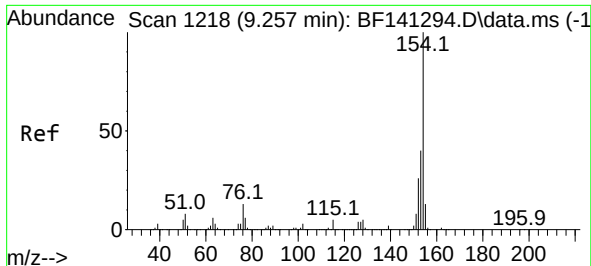
Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 21.6 19.0 28.6

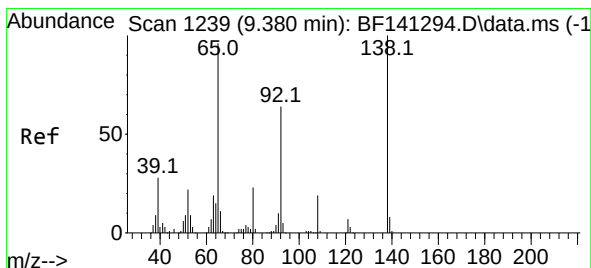
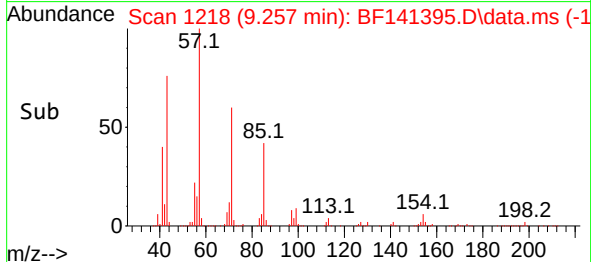
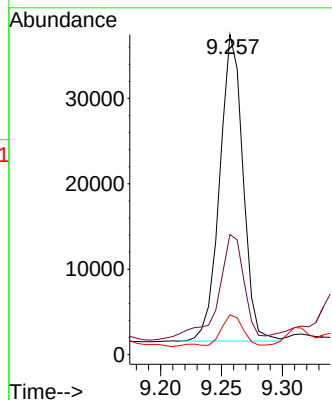
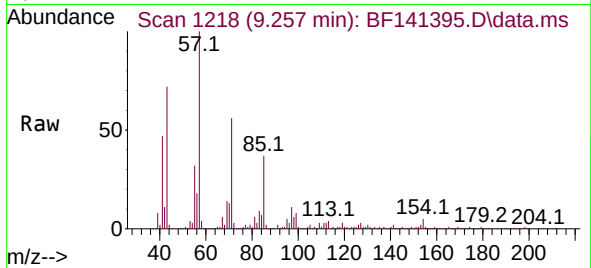




#46
1,1'-Biphenyl
Concen: 5.603 ng
RT: 9.257 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141395.D
Acq: 04 Feb 2025 03:01

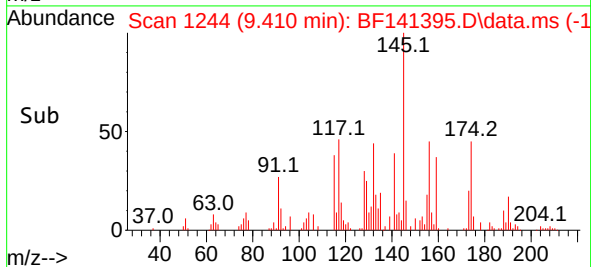
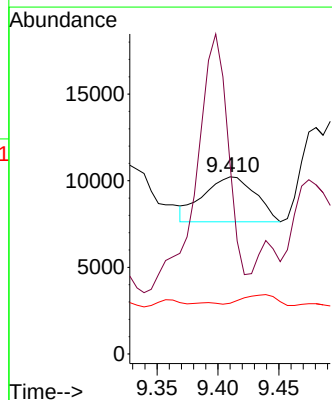
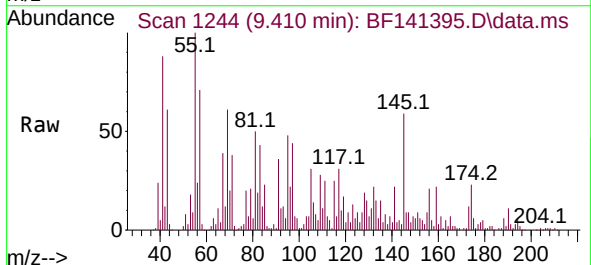
Instrument :
BNA_F
ClientSampleId :
BELL-25-002

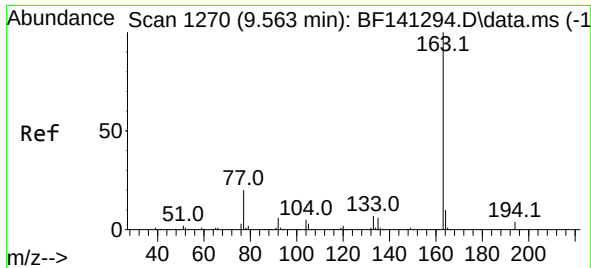
Tgt Ion:154 Resp: 47743
Ion Ratio Lower Upper
154 100
153 37.6 20.0 60.0
76 12.4 0.0 32.8



#48
2-Nitroaniline
Concen: 3.712 ng
RT: 9.410 min Scan# 1244
Delta R.T. 0.029 min
Lab File: BF141395.D
Acq: 04 Feb 2025 03:01

Tgt Ion: 65 Resp: 7756
Ion Ratio Lower Upper
65 100
92 106.8 53.3 79.9#
138 28.6 83.6 125.4#

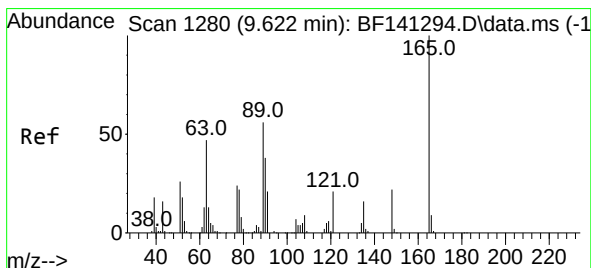
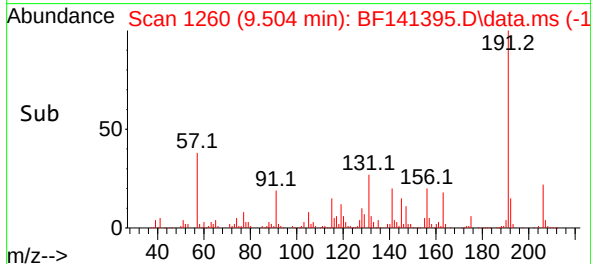
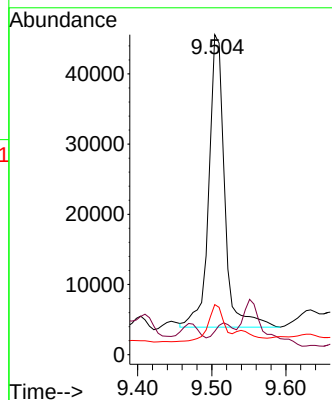
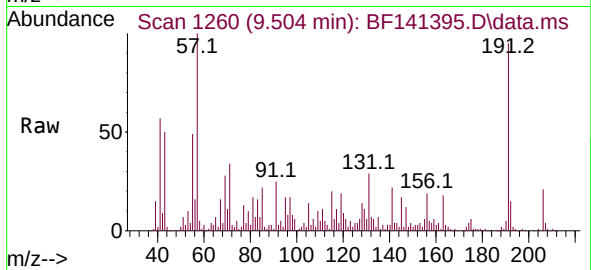




#50
Dimethylphthalate
Concen: 8.342 ng
RT: 9.504 min Scan# 11
Delta R.T. -0.065 min
Lab File: BF141395.D
Acq: 04 Feb 2025 03:01

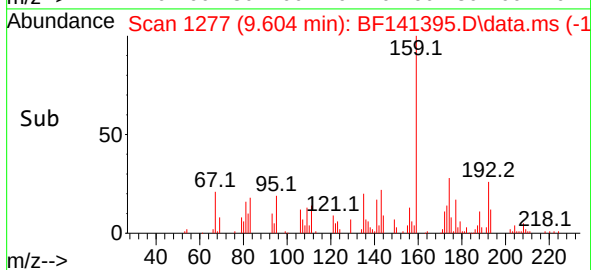
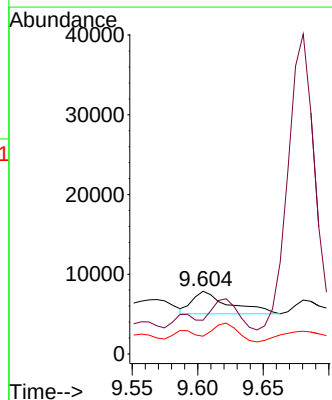
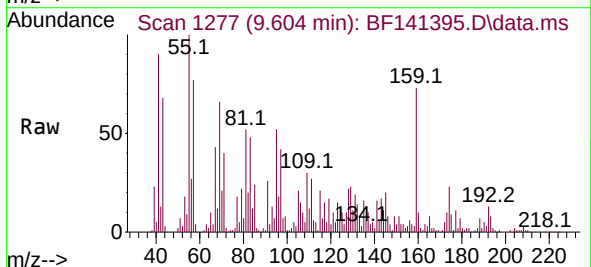
Instrument :
BNA_F
ClientSampleId :
BELL-25-002

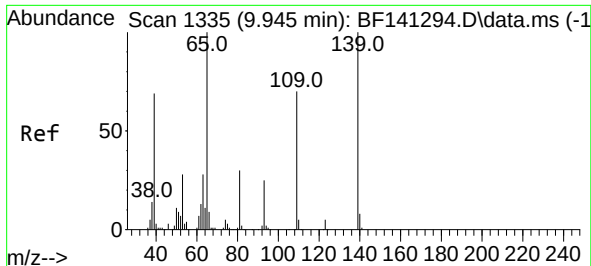
Tgt Ion:163 Resp: 61564
Ion Ratio Lower Upper
163 100
194 7.3 3.0 4.6#
164 15.7 8.0 12.0#



#51
2,6-Dinitrotoluene
Concen: 3.220 ng
RT: 9.604 min Scan# 1277
Delta R.T. -0.024 min
Lab File: BF141395.D
Acq: 04 Feb 2025 03:01

Tgt Ion:165 Resp: 5518
Ion Ratio Lower Upper
165 100
63 53.8 48.1 72.1
89 28.3 44.9 67.3#

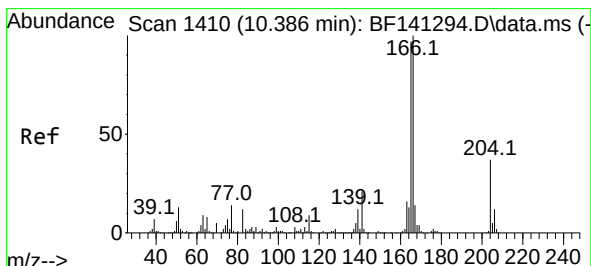
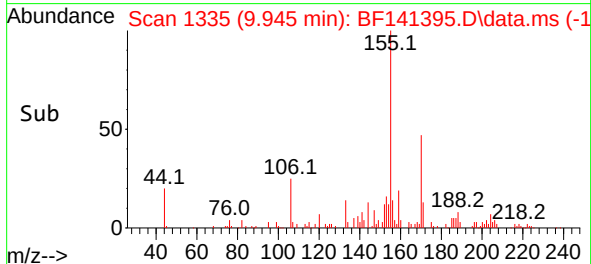
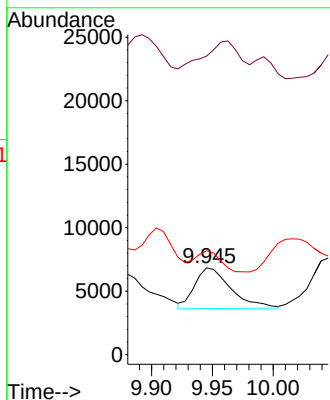
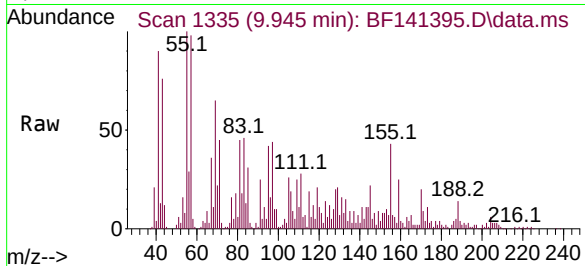




#56
4-Nitrophenol
Concen: 5.387 ng
RT: 9.945 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141395.D
Acq: 04 Feb 2025 03:01

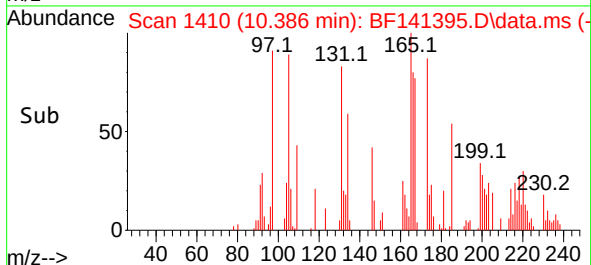
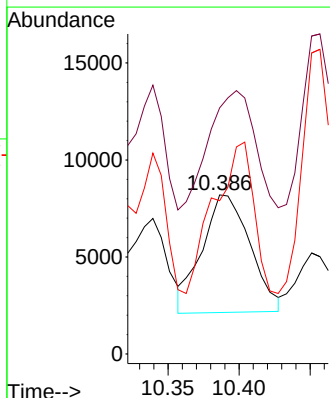
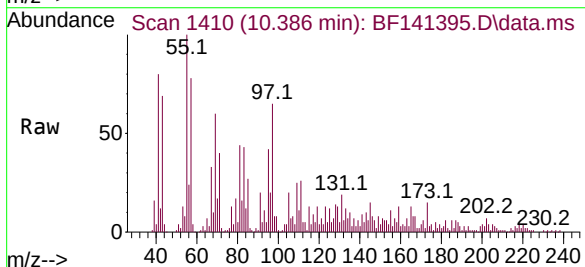
Instrument :
BNA_F
ClientSampleId :
BELL-25-002

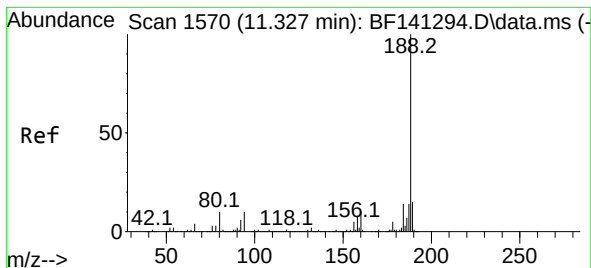
Tgt Ion:139 Resp: 6617
Ion Ratio Lower Upper
139 100
109 343.8 50.2 90.2#
65 119.8 80.6 120.6



#58
Fluorene
Concen: 2.072 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141395.D
Acq: 04 Feb 2025 03:01

Tgt Ion:166 Resp: 14292
Ion Ratio Lower Upper
166 100
165 154.8 77.5 116.3#
167 96.4 10.9 16.3#

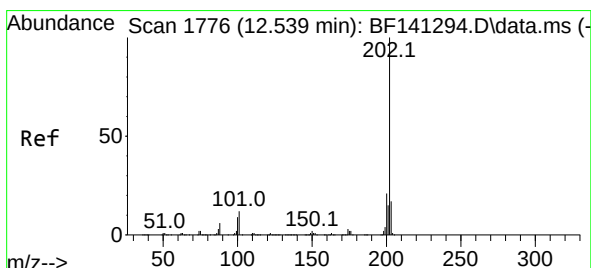
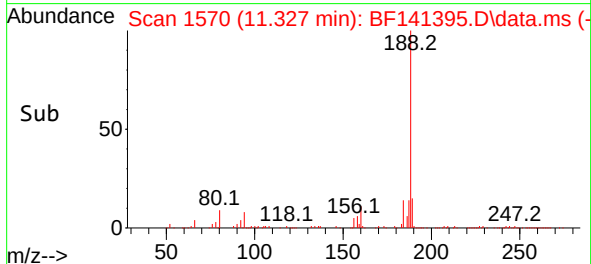
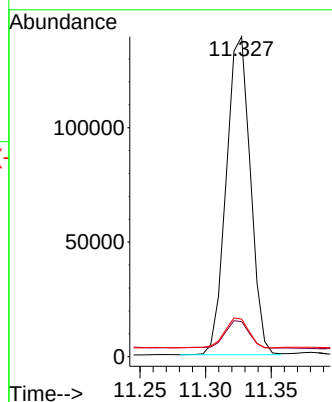
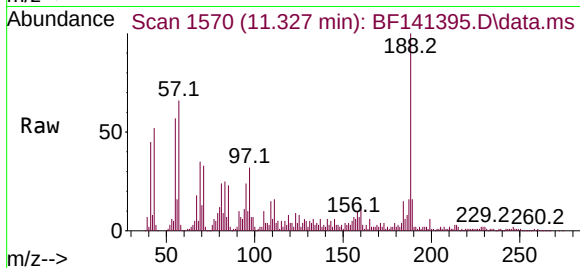




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141395.D
Acq: 04 Feb 2025 03:01

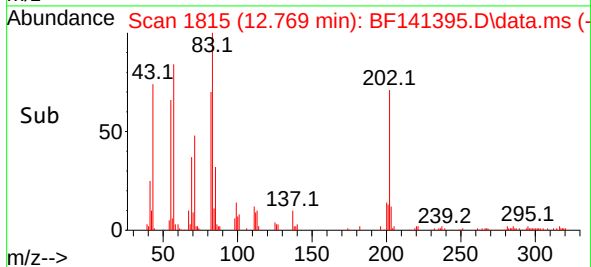
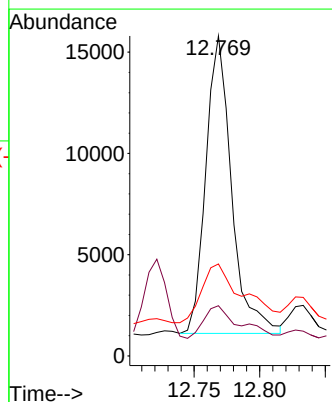
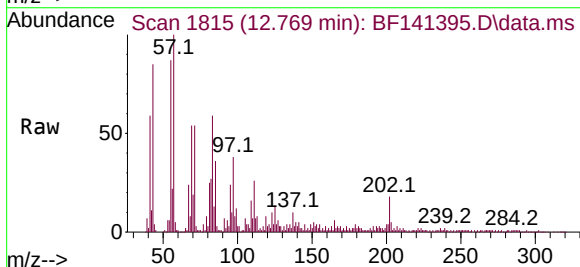
Instrument :
BNA_F
ClientSampleId :
BELL-25-002

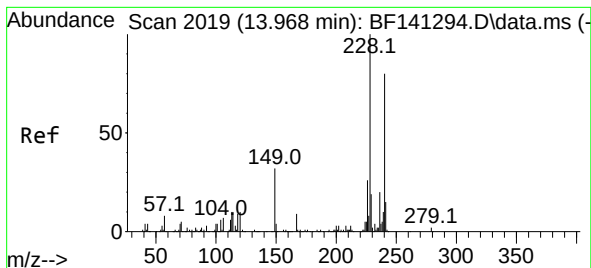
Tgt Ion:188 Resp: 178043
Ion Ratio Lower Upper
188 100
94 11.0 7.8 11.6
80 11.7 8.2 12.4



#75
Fluoranthene
Concen: 2.121 ng
RT: 12.769 min Scan# 1815
Delta R.T. 0.229 min
Lab File: BF141395.D
Acq: 04 Feb 2025 03:01

Tgt Ion:202 Resp: 20045
Ion Ratio Lower Upper
202 100
101 15.7 0.0 31.7
203 28.8 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF141395.D

Acq: 04 Feb 2025 03:01

Instrument :

BNA_F

ClientSampleId :

BELL-25-002

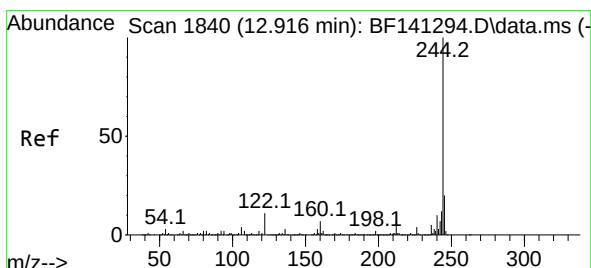
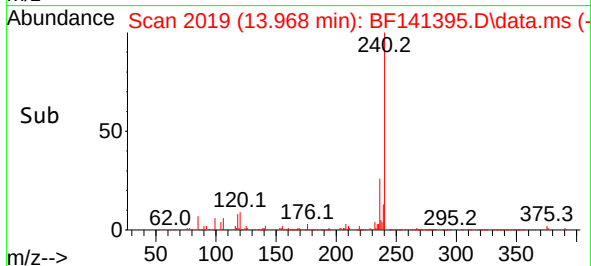
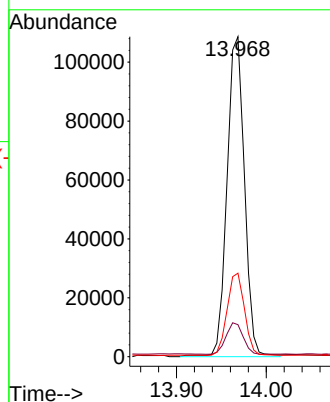
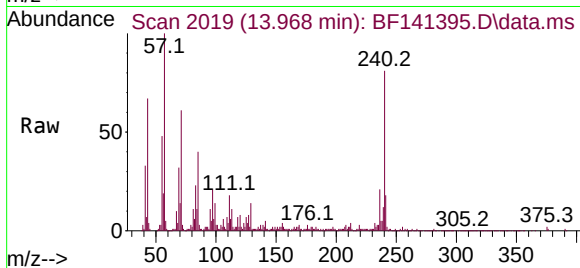
Tgt Ion:240 Resp: 147056

Ion Ratio Lower Upper

240 100

120 10.0 10.0 15.0#

236 26.1 19.7 29.5



#79

Terphenyl-d14

Concen: 9.169 ng

RT: 12.910 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF141395.D

Acq: 04 Feb 2025 03:01

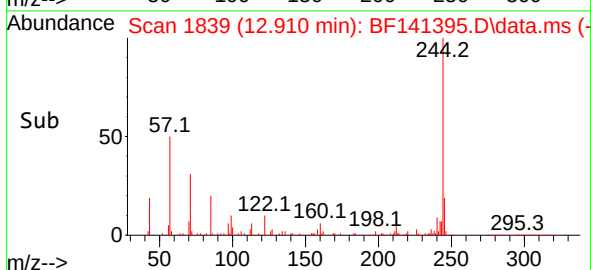
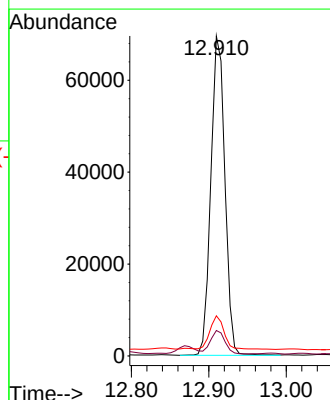
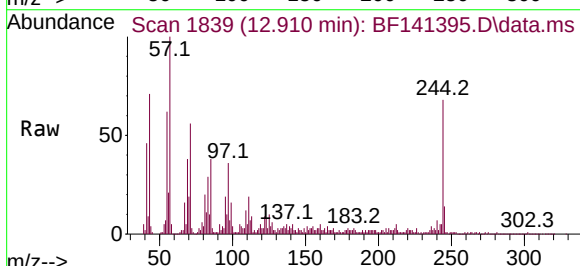
Tgt Ion:244 Resp: 87429

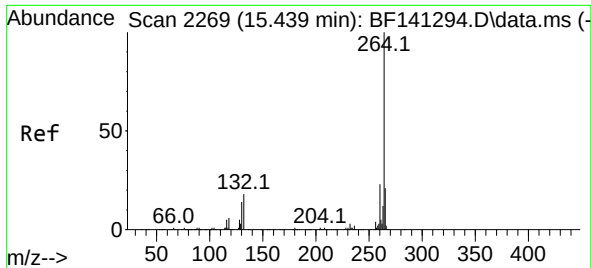
Ion Ratio Lower Upper

244 100

212 8.0 5.4 8.0

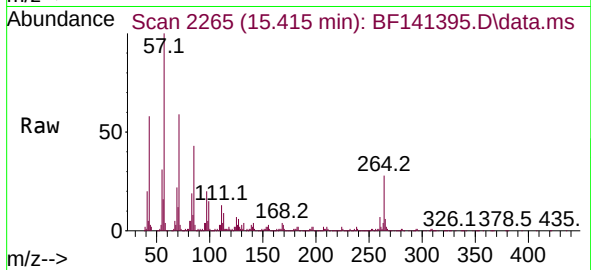
122 12.5 8.8 13.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.415 min Scan# 21
 Delta R.T. -0.024 min
 Lab File: BF141395.D
 Acq: 04 Feb 2025 03:01

Instrument :
 BNA_F
 ClientSampleId :
 BELL-25-002



Tgt Ion:	264	Resp:	100419
Ion Ratio	Lower	Upper	
264	100		
260	23.1	18.6	27.8
265	22.3	16.7	25.1

