

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)

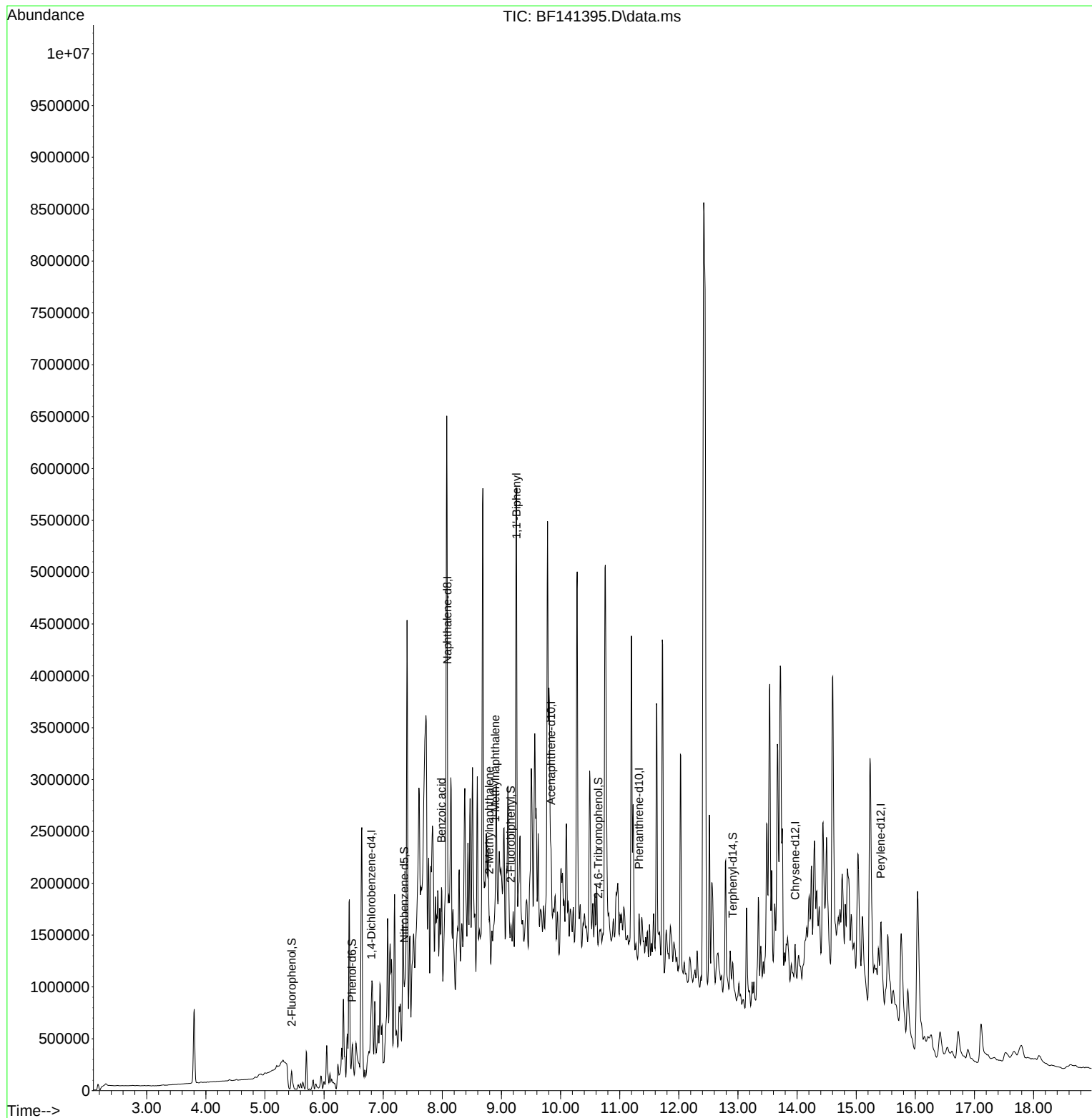
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	73084	20.000	ng	0.00
21) Naphthalene-d8	8.086	136	219890	20.000	ng	# 0.00
39) Acenaphthene-d10	9.839	164	109268	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	178043	20.000	ng	0.00
76) Chrysene-d12	13.968	240	147056	20.000	ng	# 0.00
86) Perylene-d12	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
32) Benzoic acid	7.986	122	469754	196.932	ng	84
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

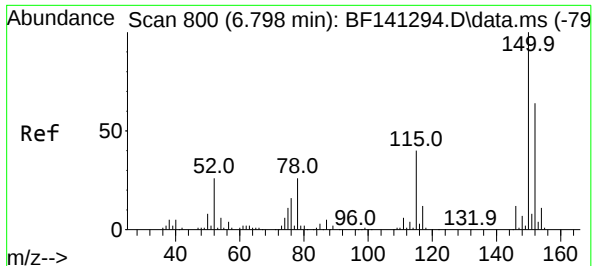
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 04 03:41:20 2025
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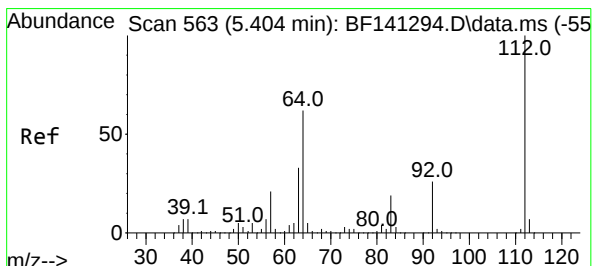
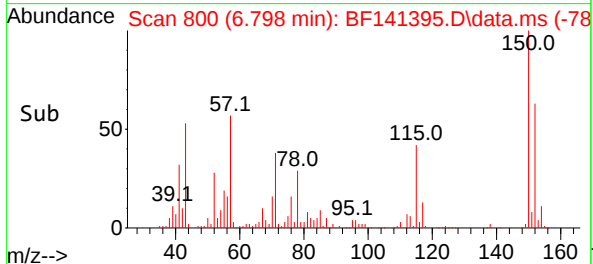
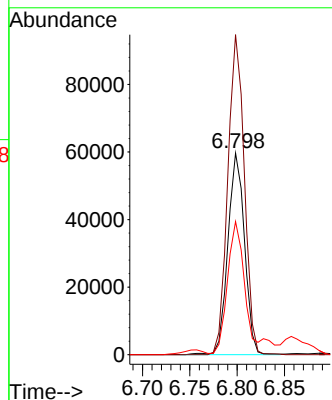
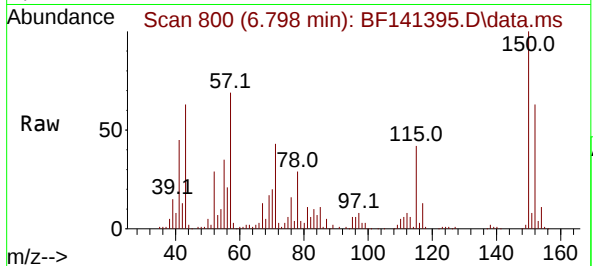




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF141395.D
 Acq: 04 Feb 2025 03:01

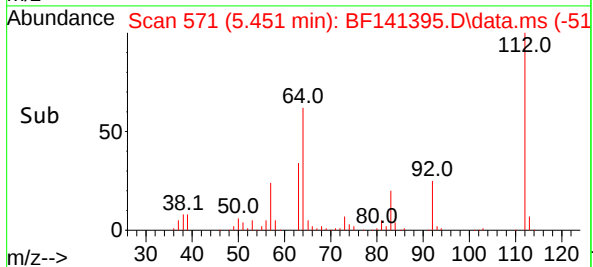
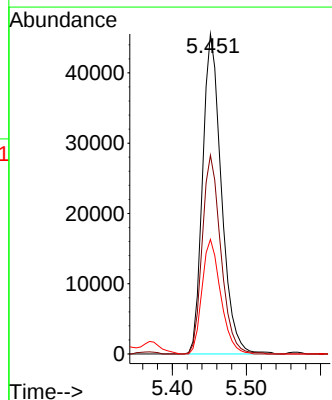
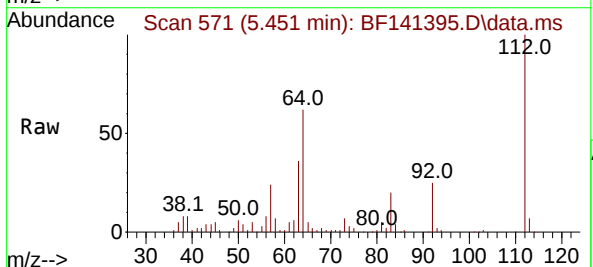
Instrument :
 BNA_F
 ClientSampleId :
 BELL-25-002

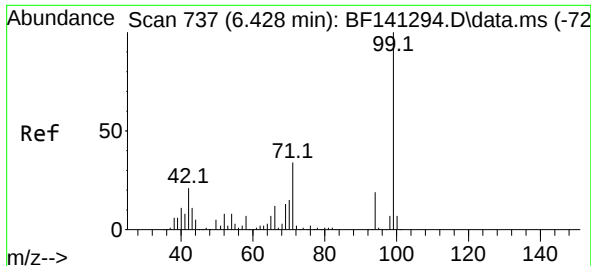
Tgt Ion:152 Resp: 73084
 Ion Ratio Lower Upper
 152 100
 150 158.7 125.9 188.9
 115 66.0 49.7 74.5



#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

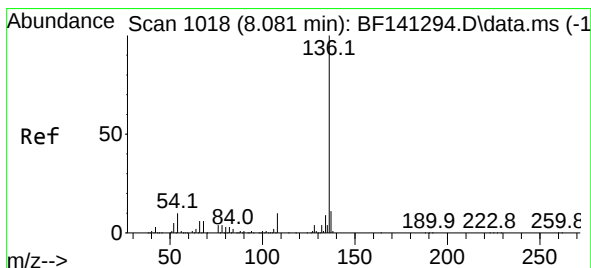
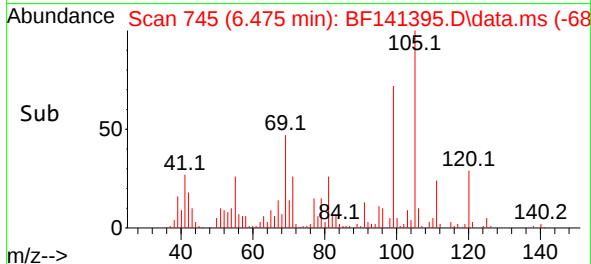
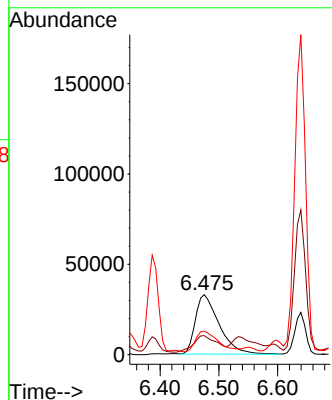
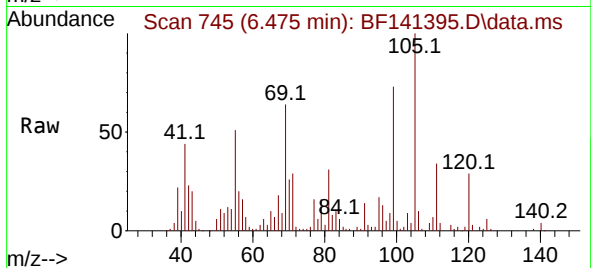




#7
Phenol-d6
Concen: 15.129 ng
RT: 6.475 min Scan# 74
Delta R.T. 0.035 min
Lab File: BF141395.D
Acq: 04 Feb 2025 03:01

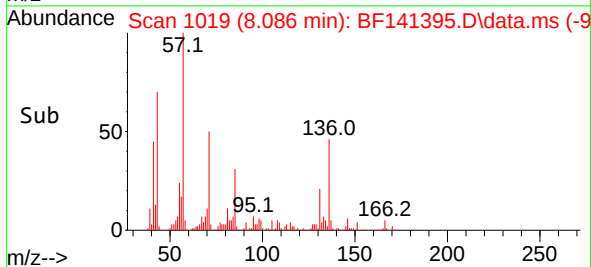
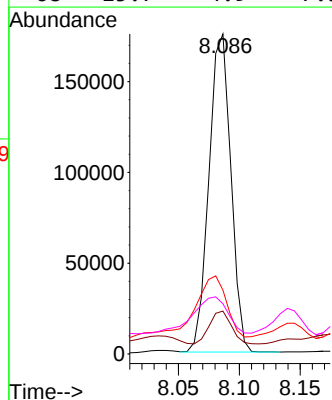
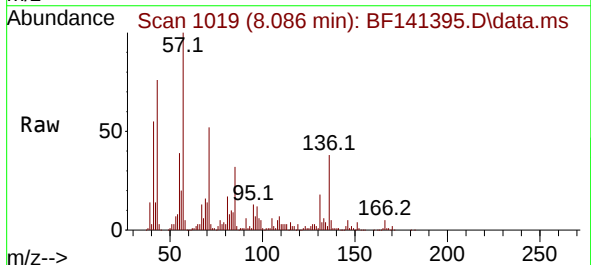
Instrument :
BNA_F
ClientSampleId :
BELL-25-002

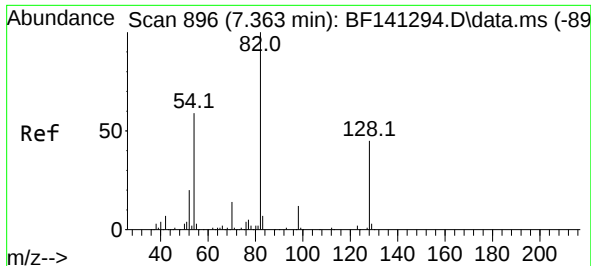
Tgt Ion: 99 Resp: 91621
Ion Ratio Lower Upper
99 100
42 31.8 17.1 25.7#
71 39.6 26.9 40.3



#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#





#23

Nitrobenzene-d5

Concen: 22.491 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF141395.D

Acq: 04 Feb 2025 03:01

Instrument :

BNA_F

ClientSampleId :

BELL-25-002

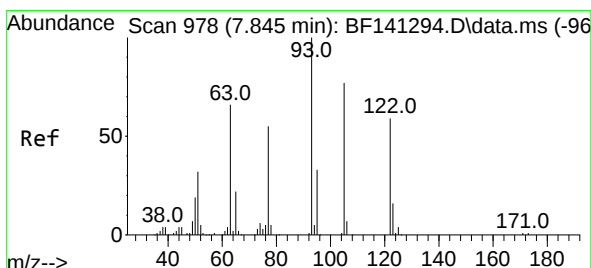
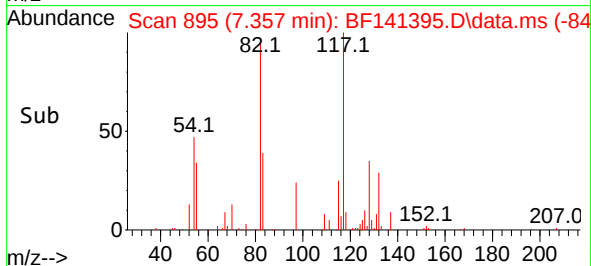
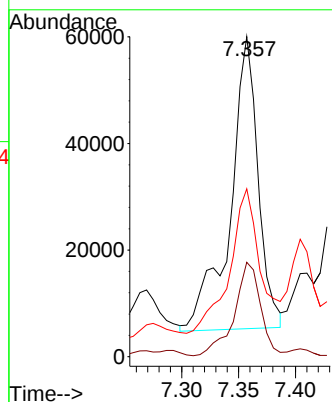
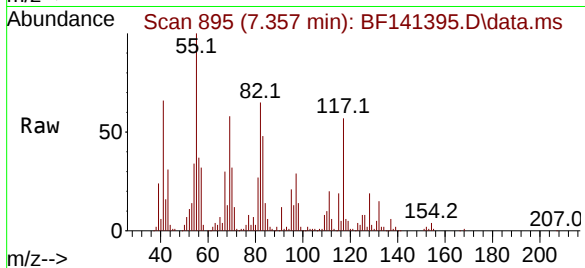
Tgt Ion: 82 Resp: 93813

Ion Ratio Lower Upper

82 100

128 29.5 35.7 53.5#

54 52.5 47.1 70.7



#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

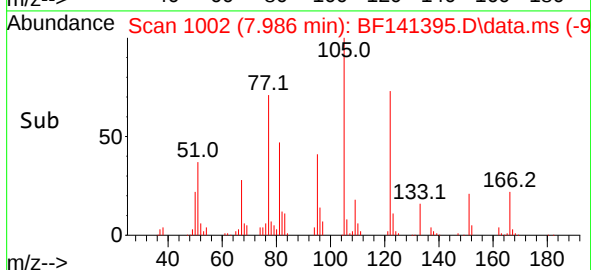
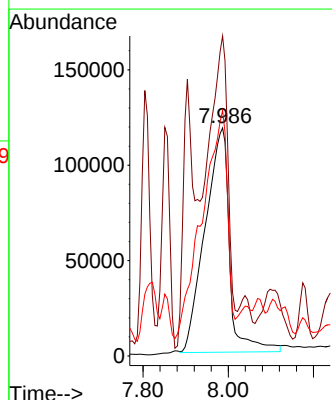
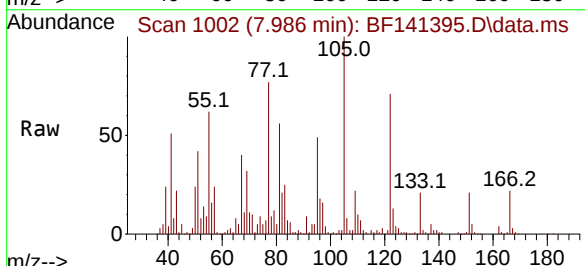
Tgt Ion:122 Resp: 469754

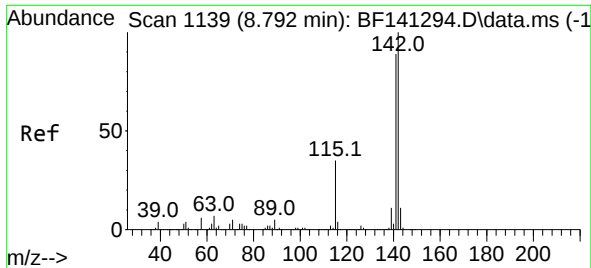
Ion Ratio Lower Upper

122 100

105 140.3 103.4 143.4

77 107.7 70.9 110.9

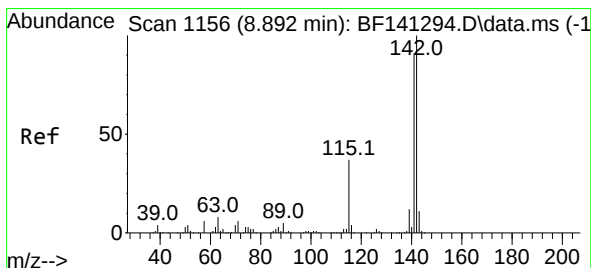
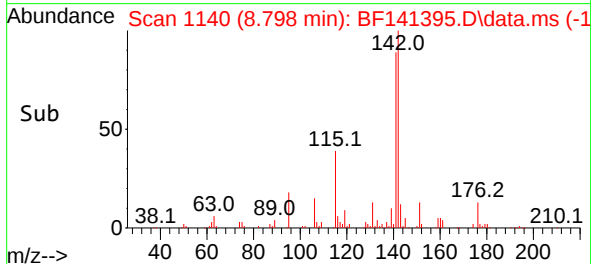
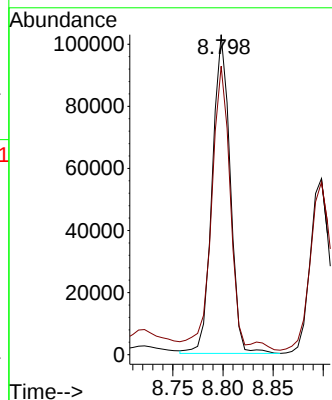
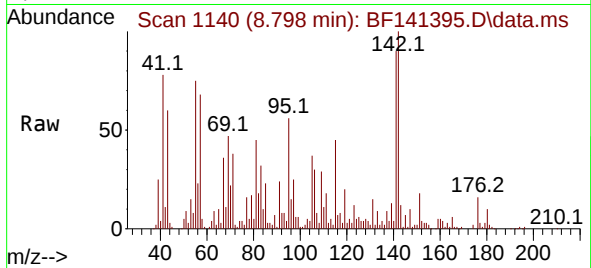




#37
2-Methylnaphthalene
Concen: 17.309 ng
RT: 8.798 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BF141395.D
Acq: 04 Feb 2025 03:01

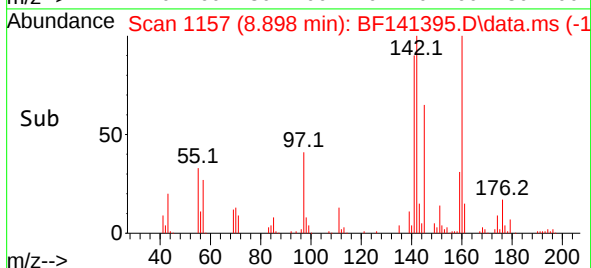
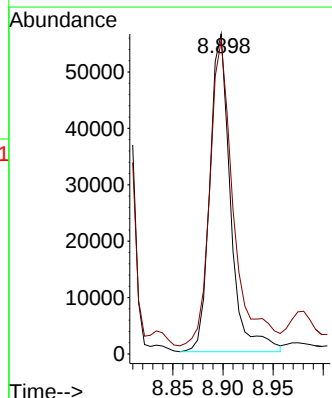
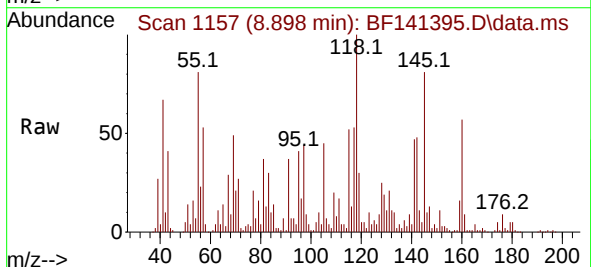
Instrument :
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ClientSampleId :
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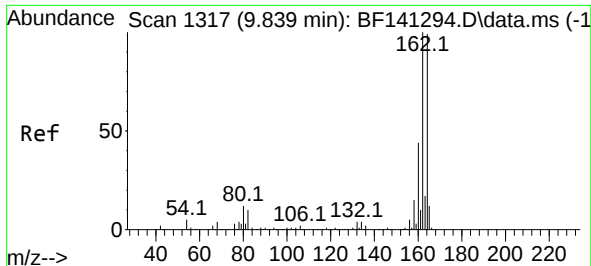
Tgt Ion:142 Resp: 127793
Ion Ratio Lower Upper
142 100
141 90.1 71.3 106.9



#38
1-Methylnaphthalene
Concen: 11.115 ng
RT: 8.898 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BF141395.D
Acq: 04 Feb 2025 03:01

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

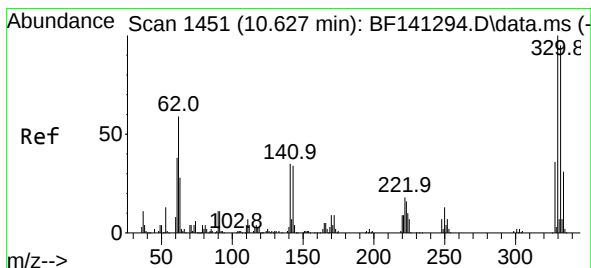
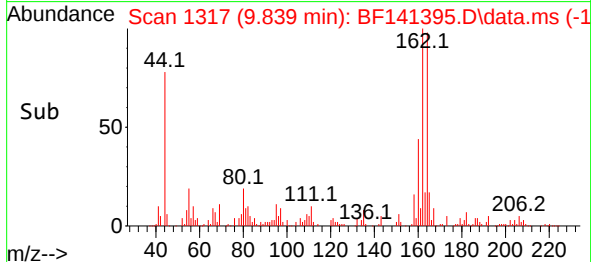
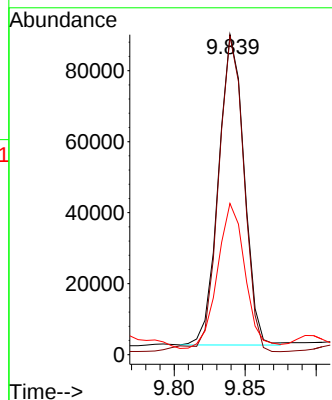
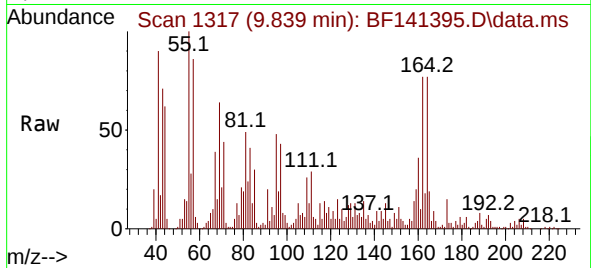




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141395.D
Acq: 04 Feb 2025 03:01

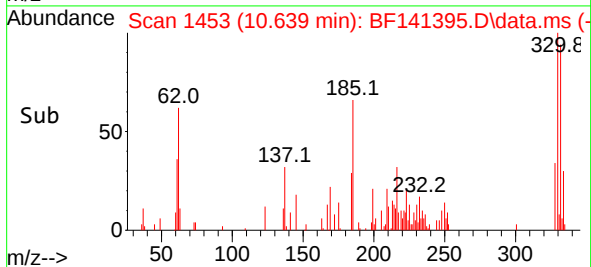
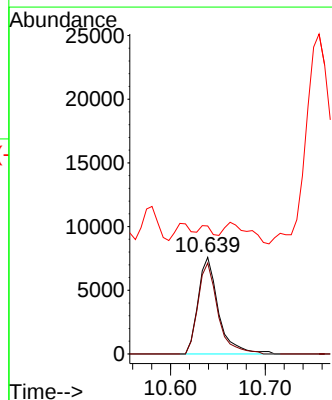
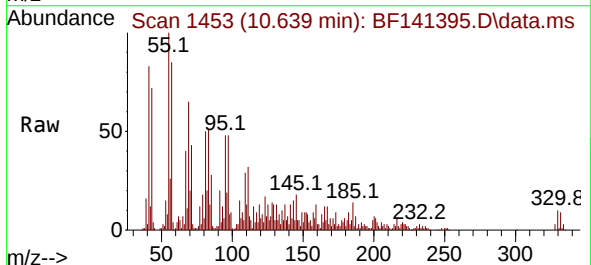
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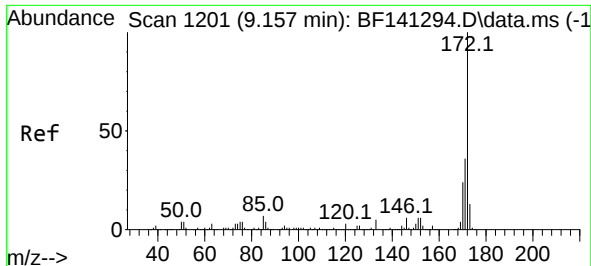
Tgt Ion:164 Resp: 109268
Ion Ratio Lower Upper
164 100
162 99.5 80.6 121.0
160 47.2 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 11.360 ng
RT: 10.639 min Scan# 1453
Delta R.T. 0.006 min
Lab File: BF141395.D
Acq: 04 Feb 2025 03:01

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#

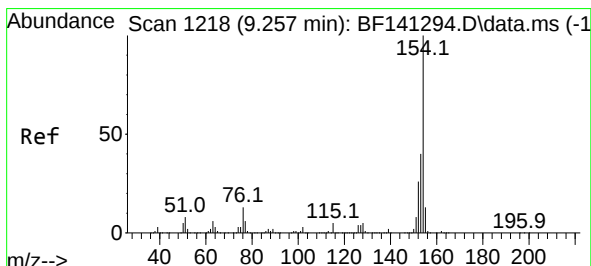
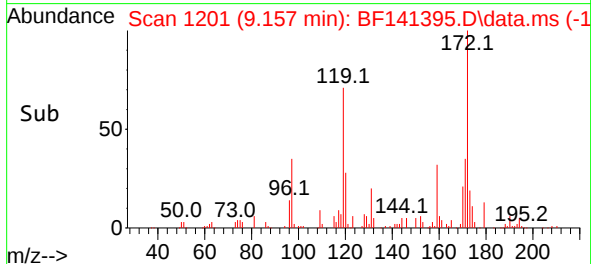
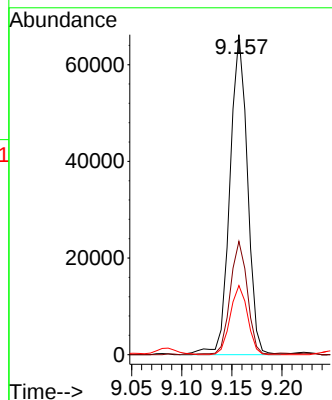
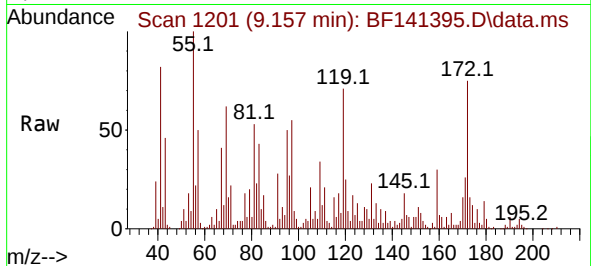




#45
2-Fluorobiphenyl
Concen: 11.351 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141395.D
Acq: 04 Feb 2025 03:01

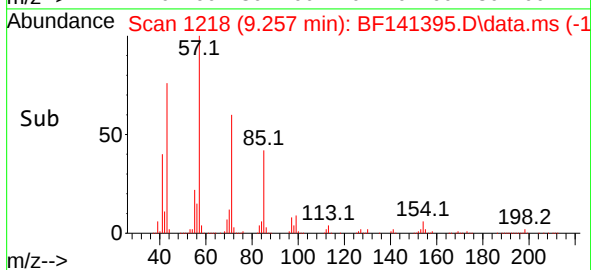
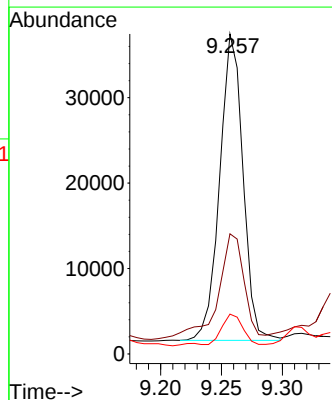
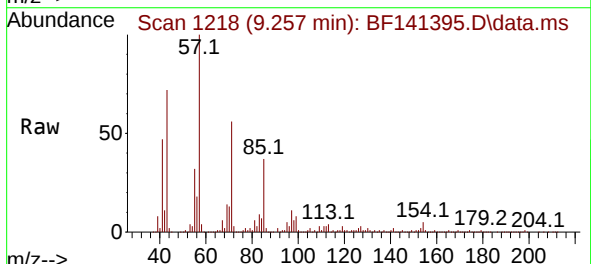
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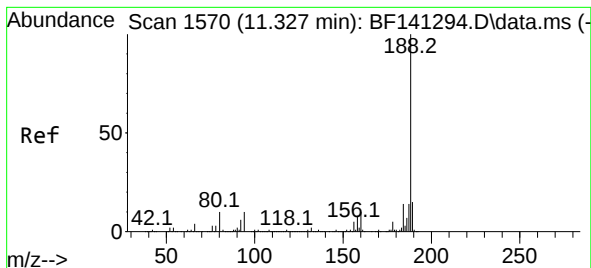
Tgt Ion:172 Resp: 80581
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 21.6 19.0 28.6



#46
1,1'-Biphenyl
Concen: 5.603 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF141395.D
Acq: 04 Feb 2025 03:01

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





#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

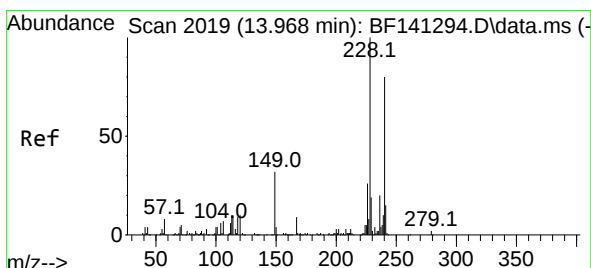
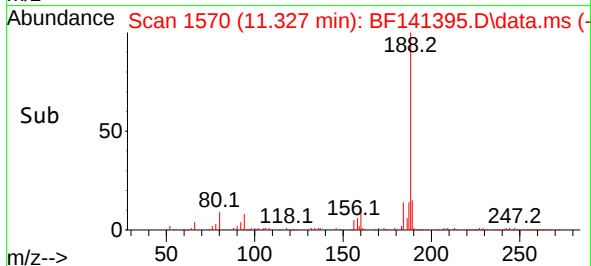
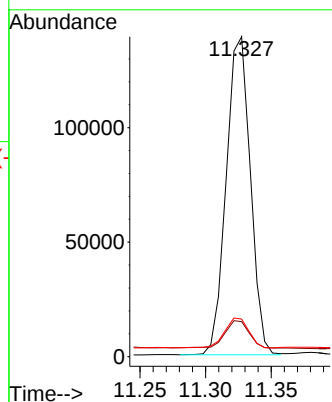
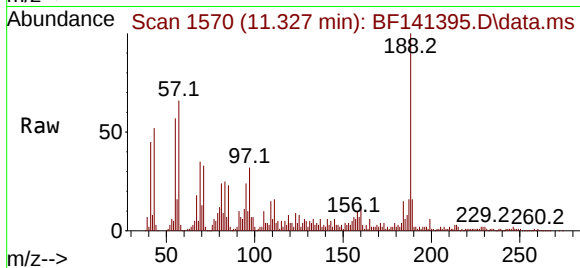
Tgt Ion:188 Resp: 178043

Ion Ratio Lower Upper

188 100

94 11.0 7.8 11.6

80 11.7 8.2 12.4



#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

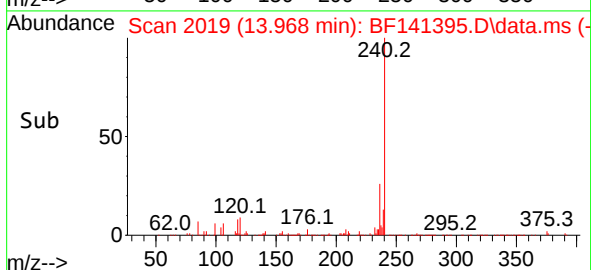
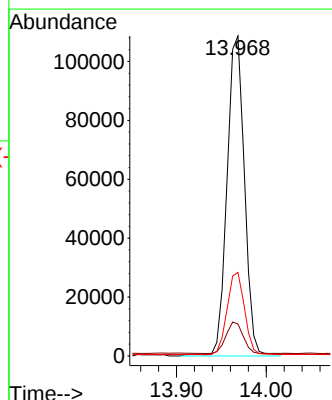
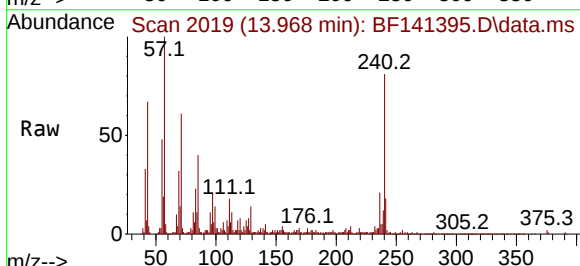
Tgt Ion:240 Resp: 147056

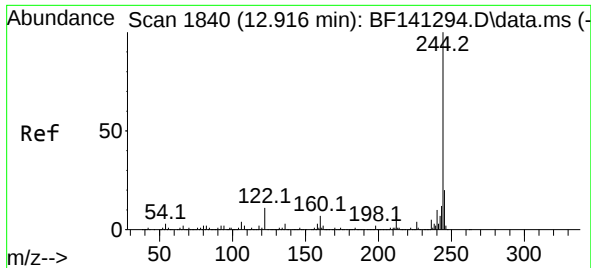
Ion Ratio Lower Upper

240 100

120 10.0 10.0 15.0#

236 26.1 19.7 29.5

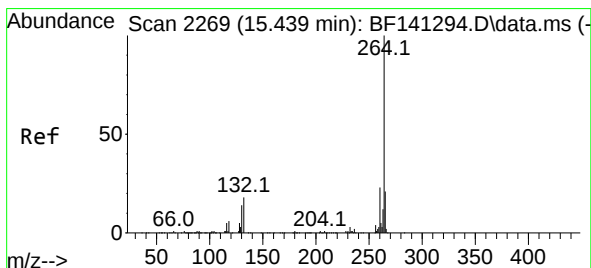
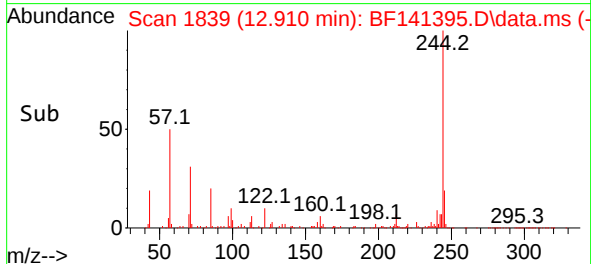
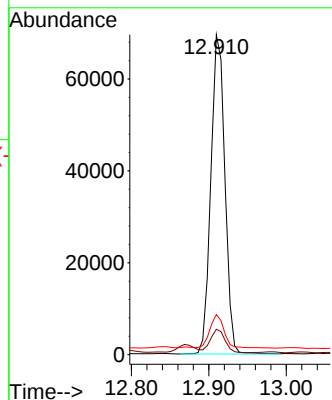
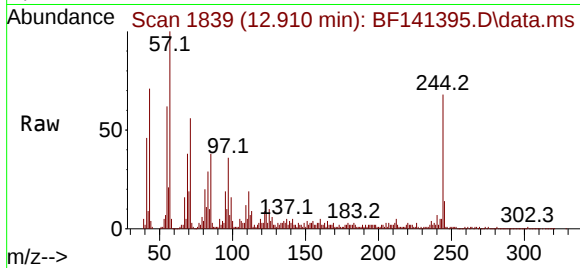




#79
 Terphenyl-d14
 Concen: 9.169 ng
 RT: 12.910 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF141395.D
 Acq: 04 Feb 2025 03:01

Instrument :
 BNA_F
 ClientSampleId :
 BELL-25-002

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# 2265
 Delta R.T. -0.024 min
 Lab File: BF141395.D
 Acq: 04 Feb 2025 03:01

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

