

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021425\
 Data File : BF141648.D
 Acq On : 14 Feb 2025 19:08
 Operator : RC/JU
 Sample : Q1331-01DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW1RDL

Quant Time: Feb 15 00:13:52 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

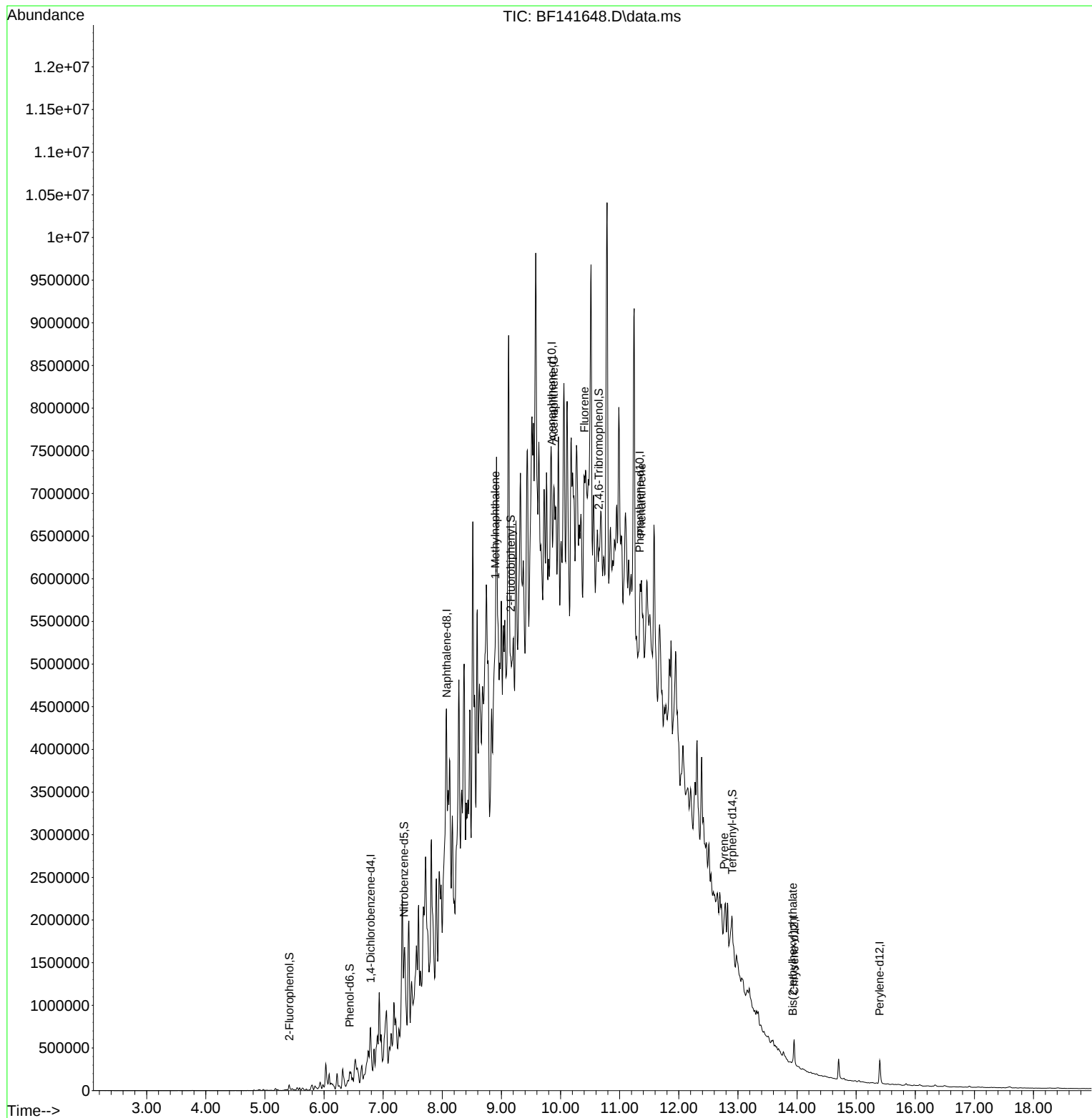
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	69665	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	254515	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	116077	20.000	ng	# 0.02
64) Phenanthrene-d10	11.339	188	175889	20.000	ng	# 0.02
76) Chrysene-d12	13.951	240	138765	20.000	ng	-0.01
86) Perylene-d12	15.398	264	158981	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	33191	7.469	ng	0.00
7) Phenol-d6	6.434	99	34244	6.097	ng	0.00
23) Nitrobenzene-d5	7.351	82	99487	20.388	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	35784	30.688	ng	0.02
45) 2-Fluorobiphenyl	9.157	172	192682	25.574	ng	0.00
79) Terphenyl-d14	12.904	244	158897	19.331	ng	0.00
Target Compounds						Qvalue
38) 1-Methylnaphthalene	8.898	142	156330	18.722	ng	86
52) Acenaphthene	9.886	154	91349	13.728	ng	# 47
58) Fluorene	10.404	166	266273	35.258	ng	# 78
71) Phenanthrene	11.369	178	524843	54.209	ng	# 87
78) Pyrene	12.769	202	170154	14.404	ng	# 91
84) Bis(2-ethylhexyl)phtha...	13.927	149	10841	2.349	ng	# 87

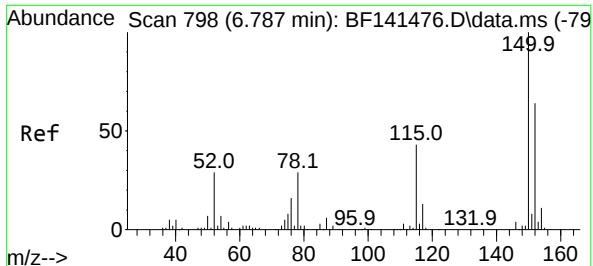
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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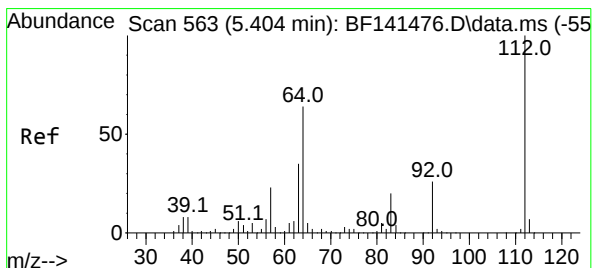
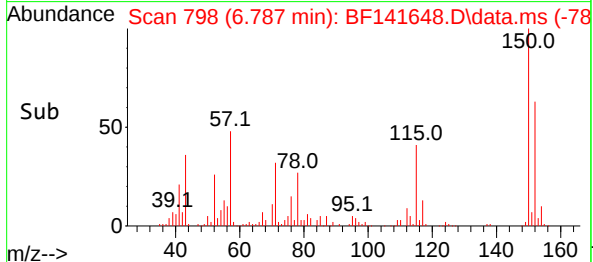
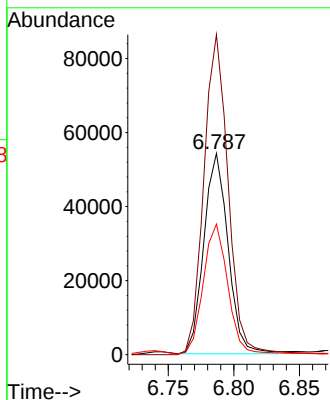
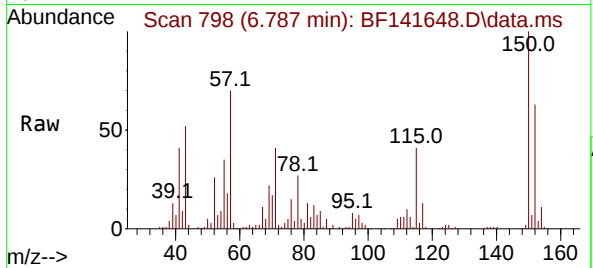




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141648.D
Acq: 14 Feb 2025 19:08

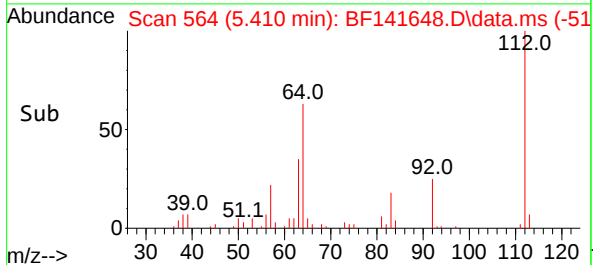
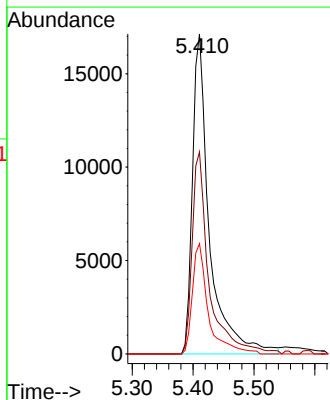
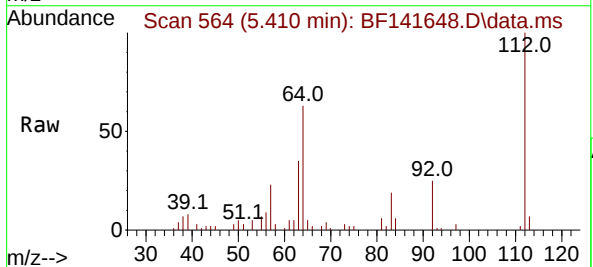
Instrument :
BNA_F
ClientSampleId :
MW1RDL

Tgt Ion:152 Resp: 69665
Ion Ratio Lower Upper
152 100
150 159.0 125.0 187.4
115 64.8 53.6 80.4



#5
2-Fluorophenol
Concen: 7.469 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141648.D
Acq: 14 Feb 2025 19:08

Tgt Ion:112 Resp: 33191
Ion Ratio Lower Upper
112 100
64 63.2 51.1 76.7
63 34.5 28.4 42.6

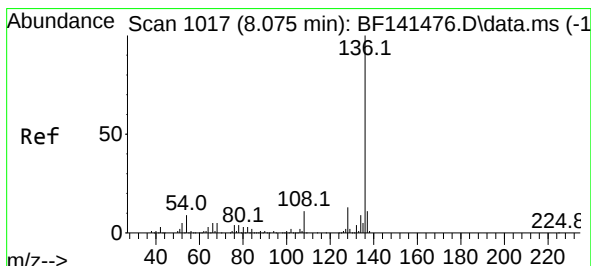
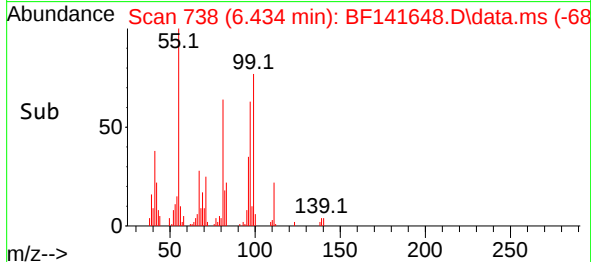
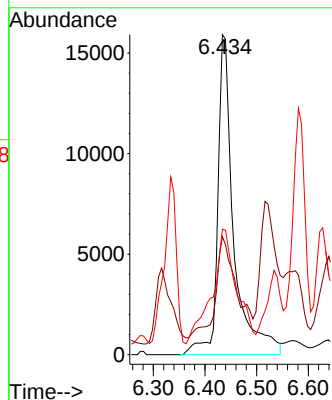
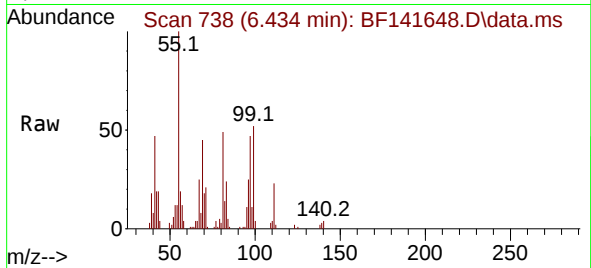




#7
Phenol-d6
Concen: 6.097 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141648.D
Acq: 14 Feb 2025 19:08

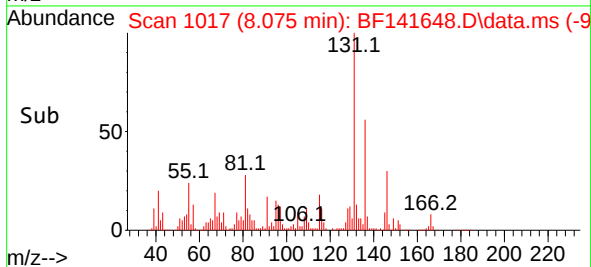
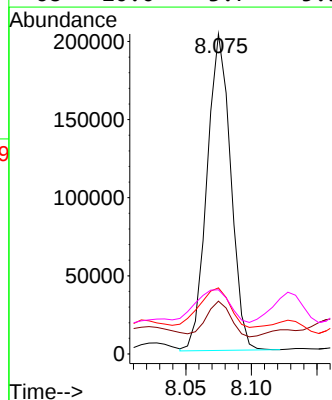
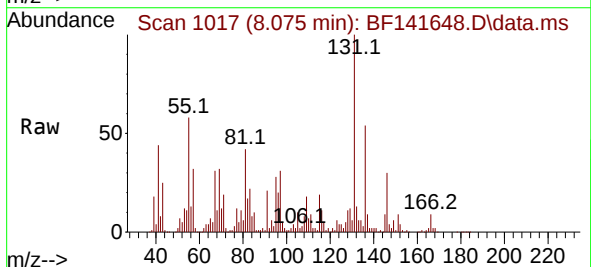
Instrument :
BNA_F
ClientSampleId :
MW1RDL

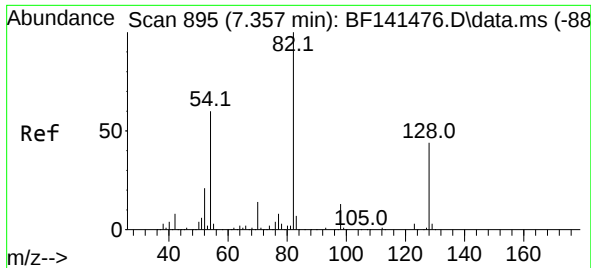
Tgt Ion: 99 Resp: 34244
Ion Ratio Lower Upper
99 100
42 36.9 19.1 28.7#
71 39.3 31.1 46.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141648.D
Acq: 14 Feb 2025 19:08

Tgt Ion: 136 Resp: 254515
Ion Ratio Lower Upper
136 100
137 16.5 8.6 13.0#
54 20.7 7.2 10.8#
68 20.0 3.7 5.5#

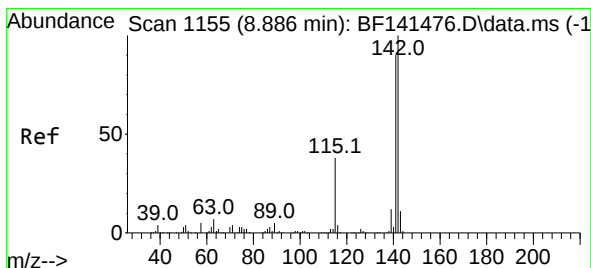
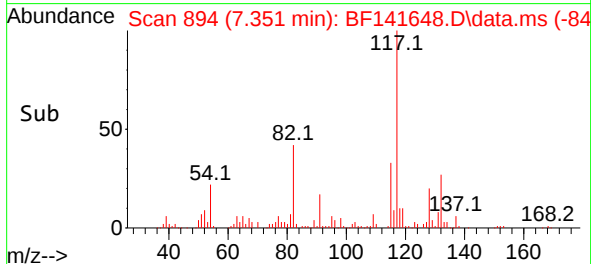
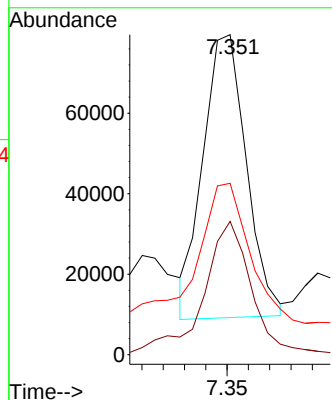
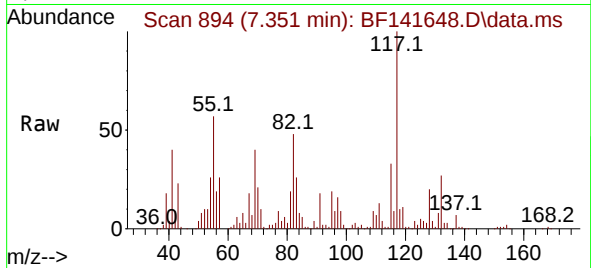




#23
Nitrobenzene-d5
Concen: 20.388 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.011 min
Lab File: BF141648.D
Acq: 14 Feb 2025 19:08

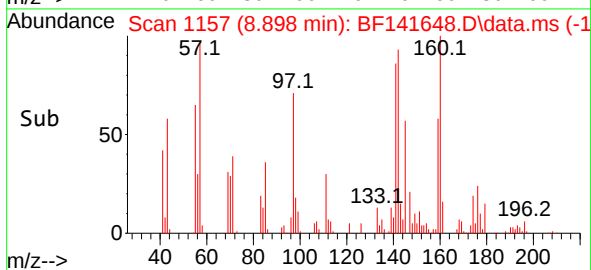
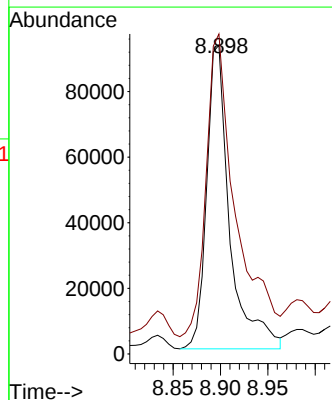
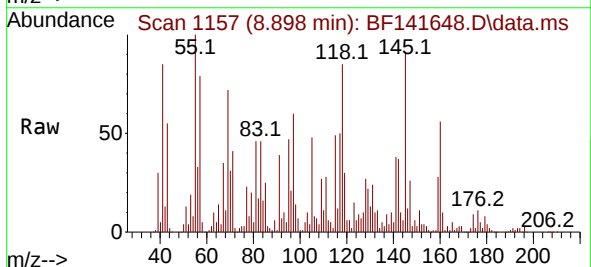
Instrument :
BNA_F
ClientSampleId :
MW1RDL

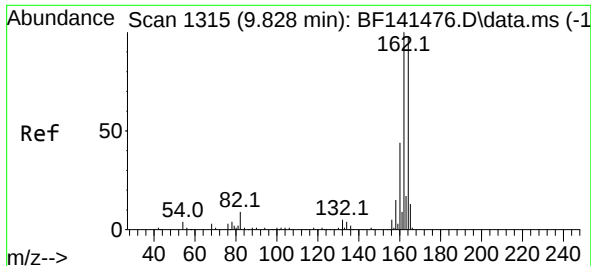
Tgt Ion: 82 Resp: 99487
Ion Ratio Lower Upper
82 100
128 41.6 34.8 52.2
54 53.5 48.2 72.4



#38
1-Methylnaphthalene
Concen: 18.722 ng
RT: 8.898 min Scan# 1157
Delta R.T. 0.012 min
Lab File: BF141648.D
Acq: 14 Feb 2025 19:08

Tgt Ion: 142 Resp: 156330
Ion Ratio Lower Upper
142 100
141 103.6 72.1 108.1

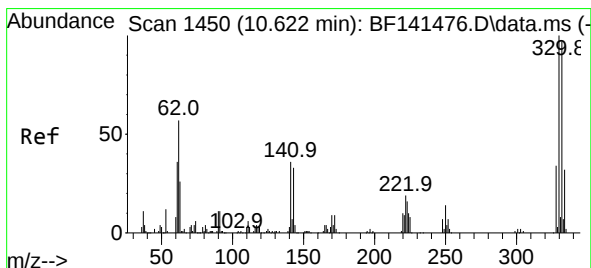
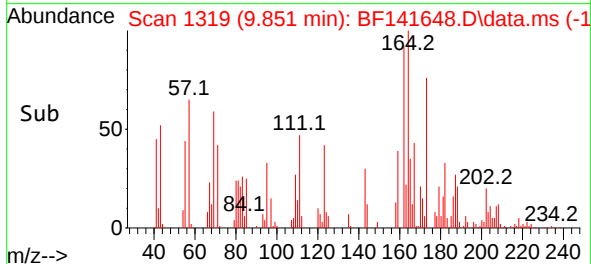
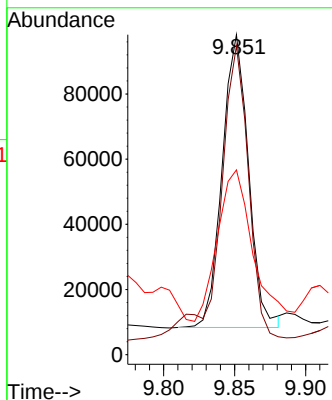
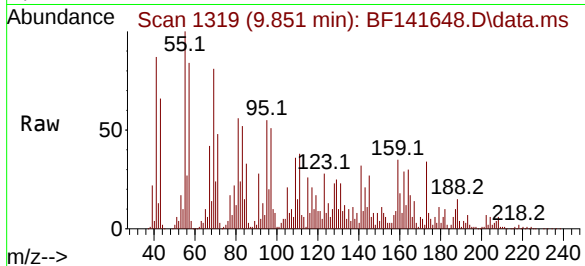




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF141648.D
Acq: 14 Feb 2025 19:08

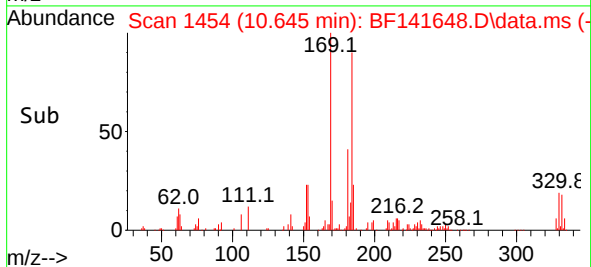
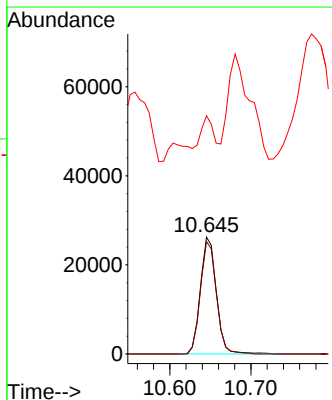
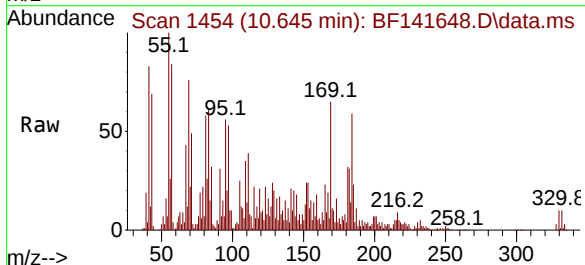
Instrument :
BNA_F
ClientSampleId :
MW1RDL

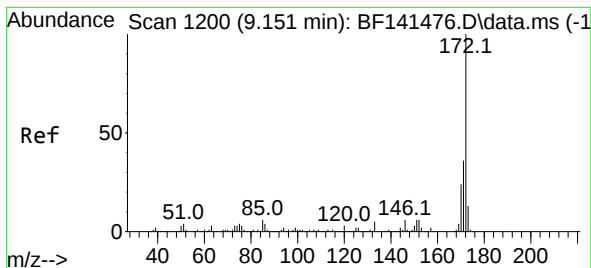
Tgt Ion:164 Resp: 116077
Ion Ratio Lower Upper
164 100
162 96.5 81.3 121.9
160 57.7 35.9 53.9#



#42
2,4,6-Tribromophenol
Concen: 30.688 ng
RT: 10.645 min Scan# 1454
Delta R.T. 0.018 min
Lab File: BF141648.D
Acq: 14 Feb 2025 19:08

Tgt Ion:330 Resp: 35784
Ion Ratio Lower Upper
330 100
332 95.8 78.5 117.7
141 20.0 31.0 46.4#





#45

2-Fluorobiphenyl

Concen: 25.574 ng

RT: 9.157 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF141648.D

Acq: 14 Feb 2025 19:08

Instrument :

BNA_F

ClientSampleId :

MW1RDL

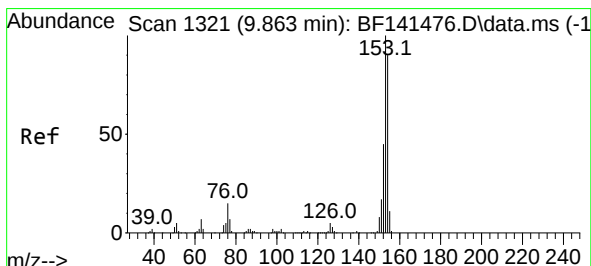
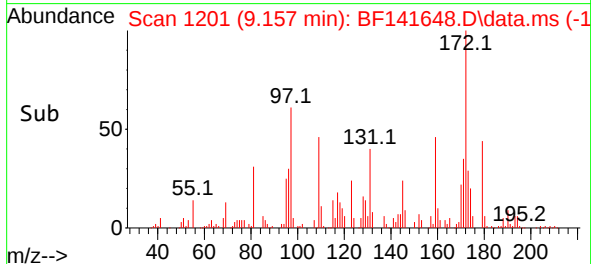
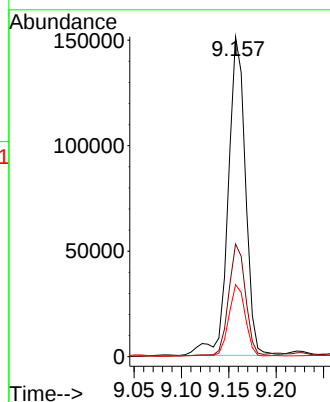
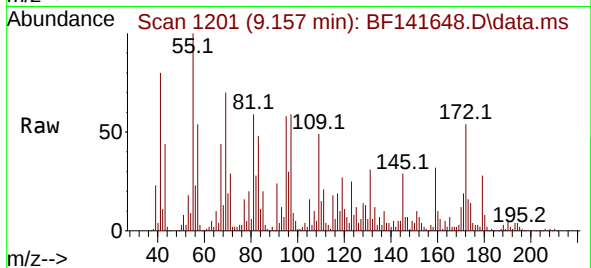
Tgt Ion:172 Resp: 192682

Ion Ratio Lower Upper

172 100

171 35.2 28.7 43.1

170 22.5 18.9 28.3



#52

Acenaphthene

Concen: 13.728 ng

RT: 9.886 min Scan# 1325

Delta R.T. 0.018 min

Lab File: BF141648.D

Acq: 14 Feb 2025 19:08

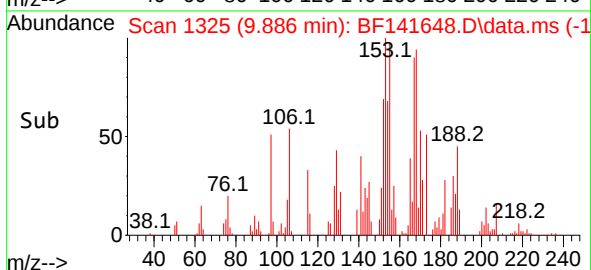
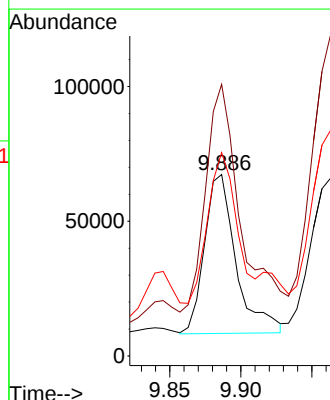
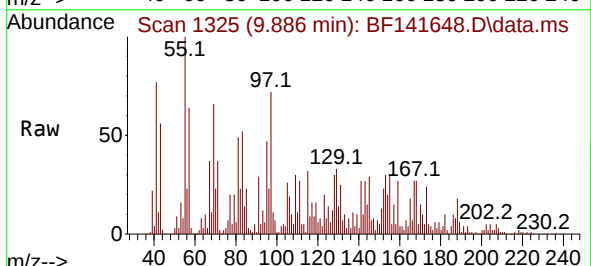
Tgt Ion:154 Resp: 91349

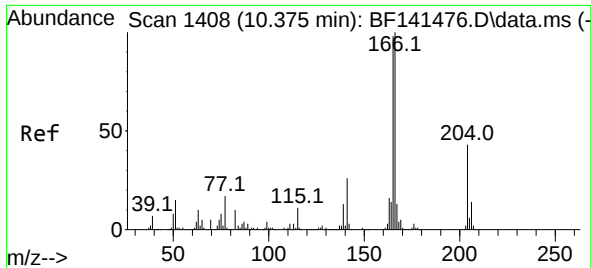
Ion Ratio Lower Upper

154 100

153 149.8 89.2 133.8#

152 112.0 39.8 59.8#

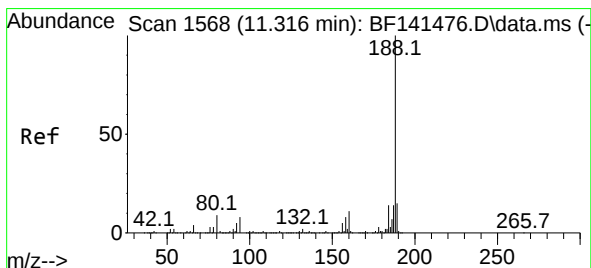
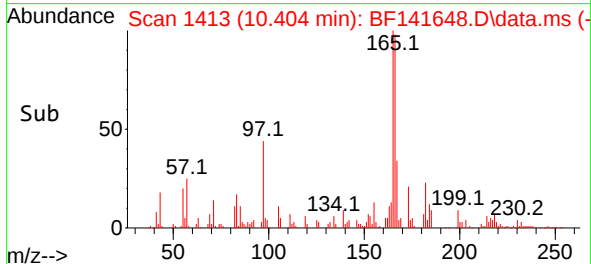
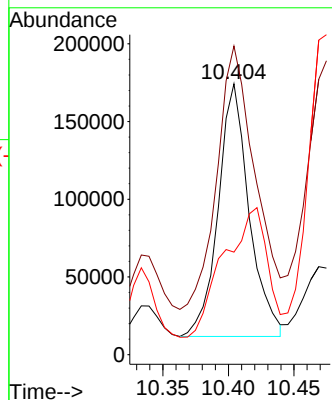
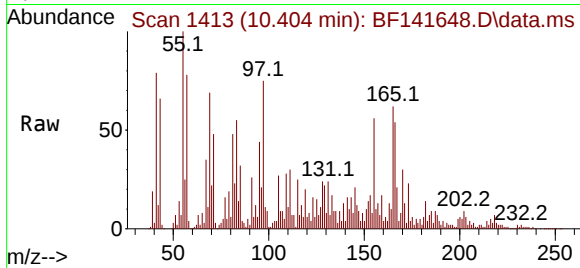




#58
Fluorene
Concen: 35.258 ng
RT: 10.404 min Scan# 1413
Delta R.T. 0.024 min
Lab File: BF141648.D
Acq: 14 Feb 2025 19:08

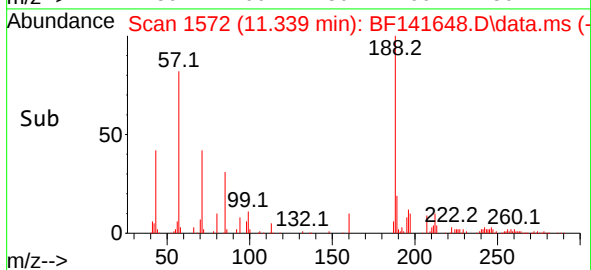
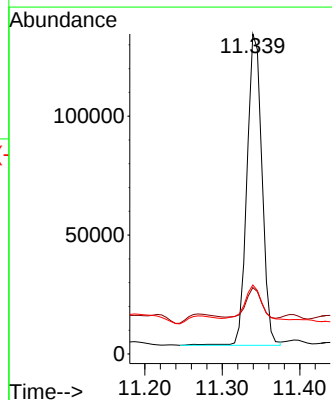
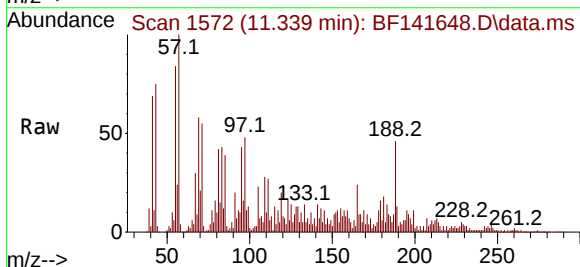
Instrument :
BNA_F
ClientSampleId :
MW1RDL

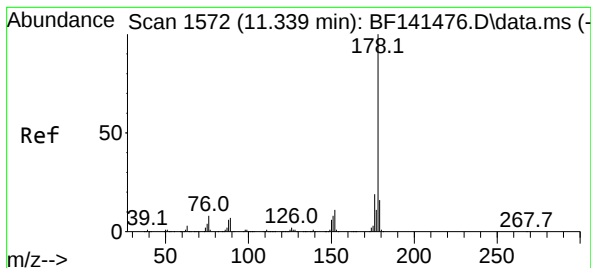
Tgt Ion:166 Resp: 266273
Ion Ratio Lower Upper
166 100
165 113.9 78.2 117.2
167 37.8 10.7 16.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1572
Delta R.T. 0.024 min
Lab File: BF141648.D
Acq: 14 Feb 2025 19:08

Tgt Ion:188 Resp: 175889
Ion Ratio Lower Upper
188 100
94 20.7 6.6 10.0#
80 21.6 7.3 10.9#





#71

Phenanthrene

Concen: 54.209 ng

RT: 11.369 min Scan# 1

Delta R.T. 0.024 min

Lab File: BF141648.D

Acq: 14 Feb 2025 19:08

Instrument :

BNA_F

ClientSampleId :

MW1RDL

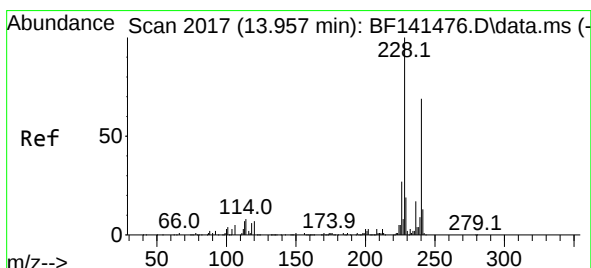
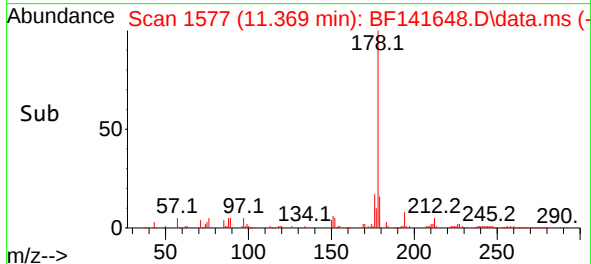
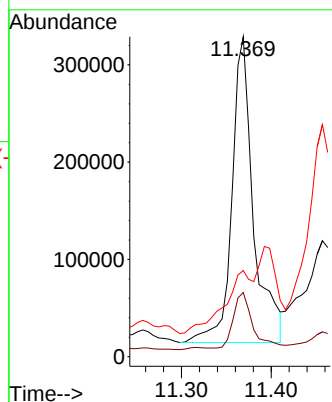
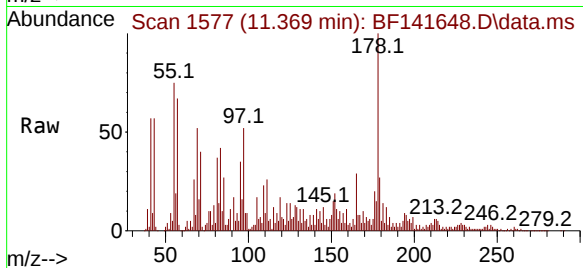
Tgt Ion:178 Resp: 524843

Ion Ratio Lower Upper

178 100

176 20.1 15.4 23.0

179 27.0 12.4 18.6#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 2016

Delta R.T. -0.012 min

Lab File: BF141648.D

Acq: 14 Feb 2025 19:08

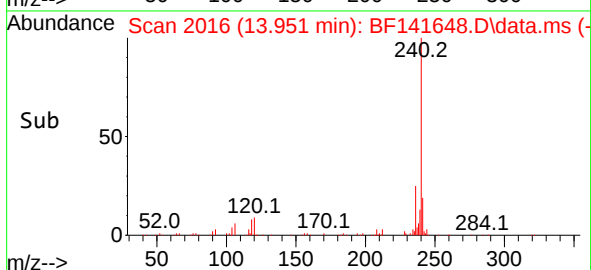
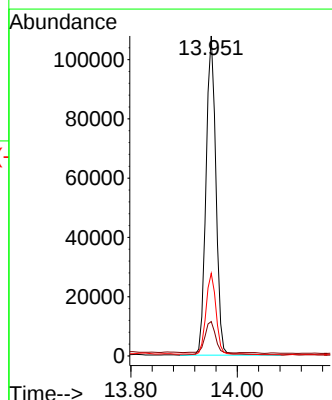
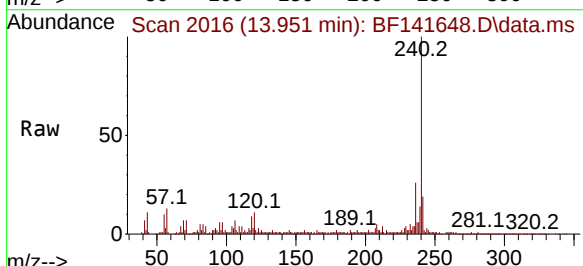
Tgt Ion:240 Resp: 138765

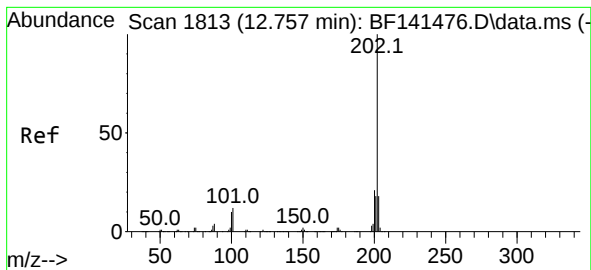
Ion Ratio Lower Upper

240 100

120 10.8 8.0 12.0

236 25.8 19.8 29.8





#78

Pyrene

Concen: 14.404 ng

RT: 12.769 min Scan# 1815

Delta R.T. 0.006 min

Lab File: BF141648.D

Acq: 14 Feb 2025 19:08

Instrument :

BNA_F

ClientSampleId :

MW1RDL

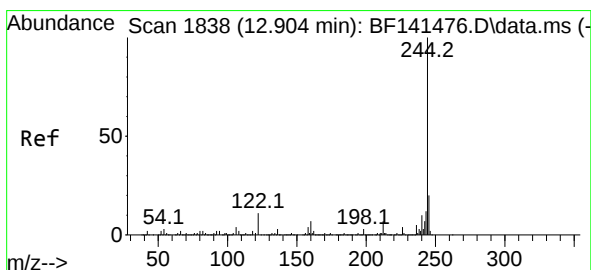
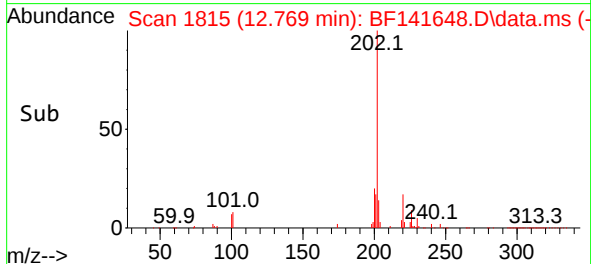
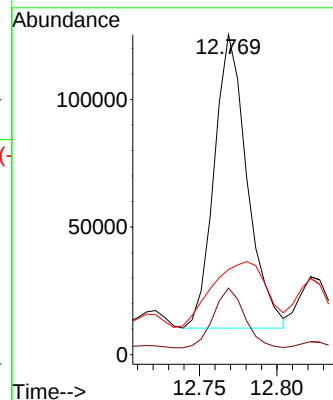
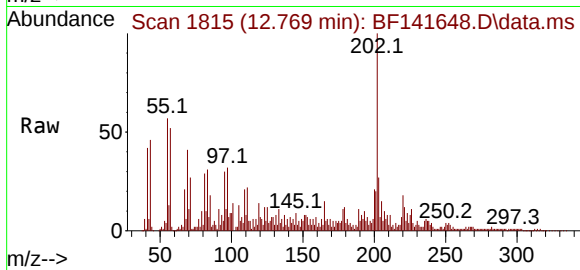
Tgt Ion:202 Resp: 170154

Ion Ratio Lower Upper

202 100

200 20.8 17.0 25.4

203 26.6 14.3 21.5#



#79

Terphenyl-d14

Concen: 19.331 ng

RT: 12.904 min Scan# 1838

Delta R.T. 0.000 min

Lab File: BF141648.D

Acq: 14 Feb 2025 19:08

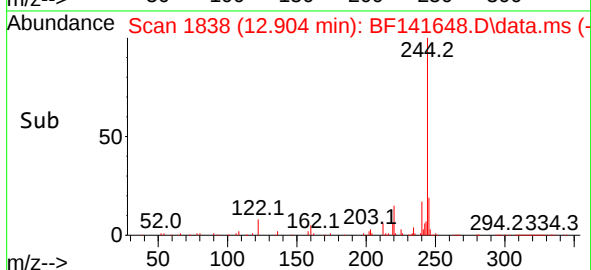
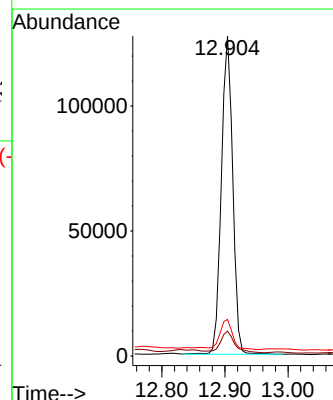
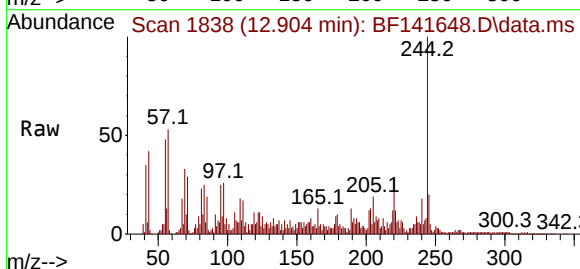
Tgt Ion:244 Resp: 158897

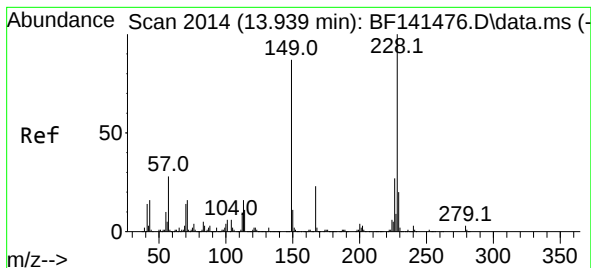
Ion Ratio Lower Upper

244 100

212 7.8 5.6 8.4

122 11.4 8.4 12.6

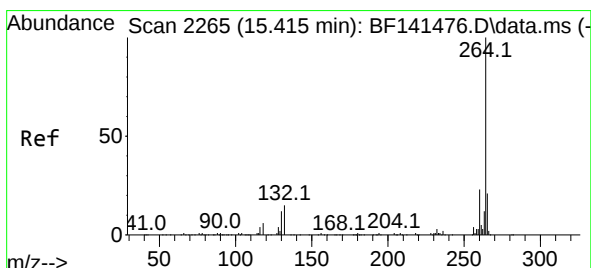
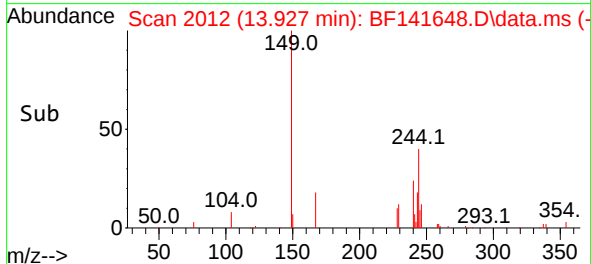
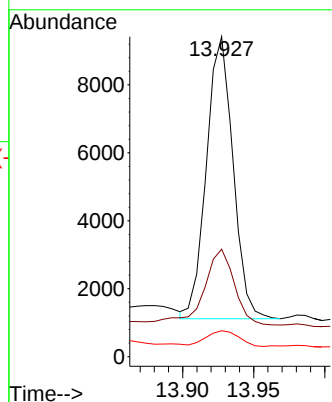
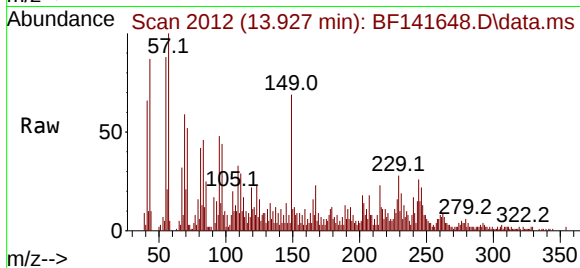




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.349 ng
RT: 13.927 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF141648.D
Acq: 14 Feb 2025 19:08

Instrument :
BNA_F
ClientSampleId :
MW1RDL

Tgt Ion:149 Resp: 10841
Ion Ratio Lower Upper
149 100
167 33.6 21.4 32.0#
279 8.1 3.1 4.7#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.398 min Scan# 2262
Delta R.T. -0.017 min
Lab File: BF141648.D
Acq: 14 Feb 2025 19:08

Tgt Ion:264 Resp: 158981
Ion Ratio Lower Upper
264 100
260 23.3 18.6 28.0
265 22.2 17.0 25.4

