

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031725\
 Data File : BF141982.D
 Acq On : 17 Mar 2025 15:29
 Operator : RC/JU
 Sample : Q1574-01DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC1

Quant Time: Mar 17 16:02:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

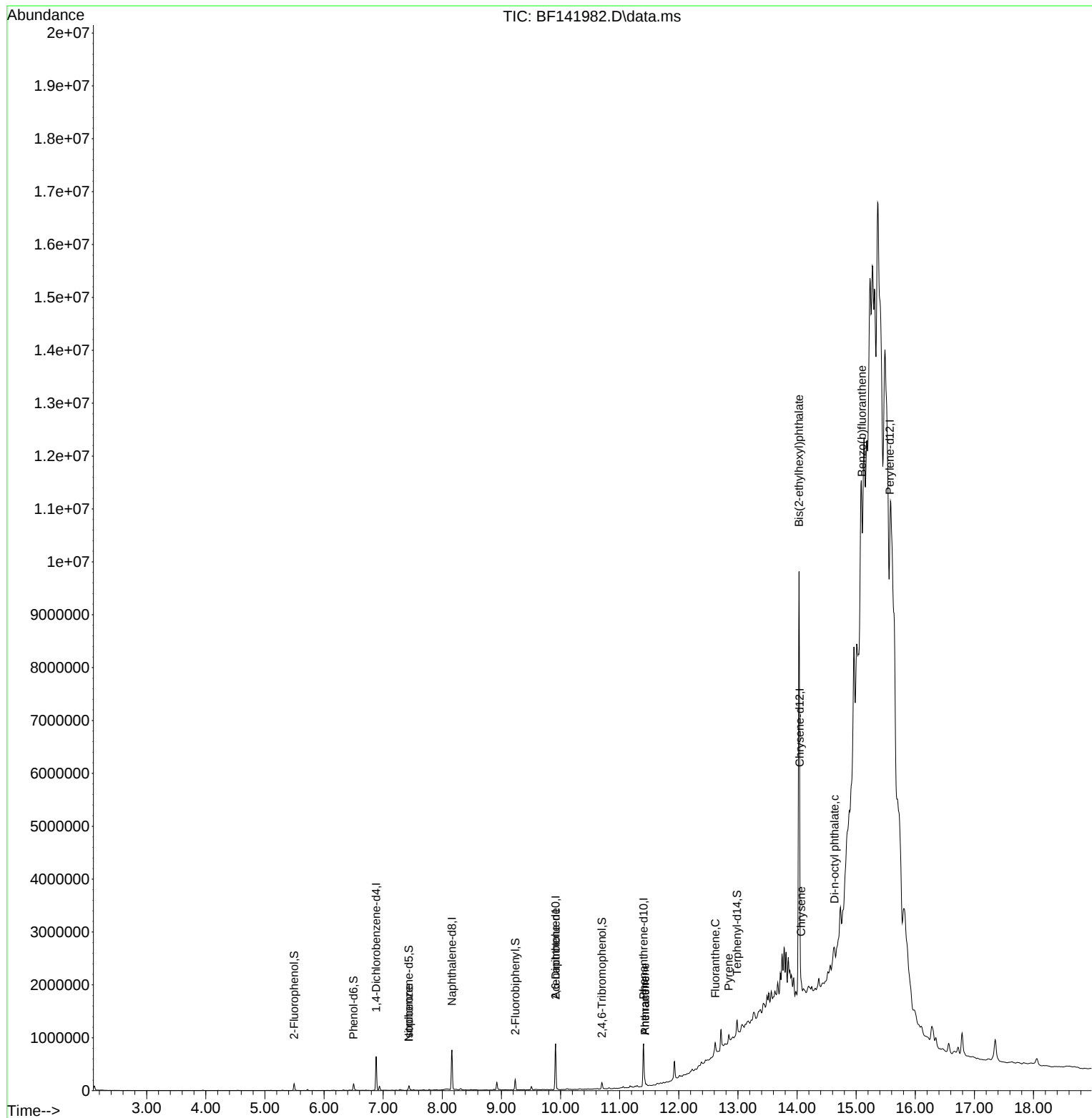
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	134820	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	482604	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	242342	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	413517	20.000	ng	0.00
76) Chrysene-d12	14.045	240	298547	20.000	ng	0.00
86) Perylene-d12	15.569	264	246126	20.000	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	52902	6.549	ng	0.00
7) Phenol-d6	6.498	99	63864	6.209	ng	0.00
23) Nitrobenzene-d5	7.434	82	40431	4.715	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	19673	6.399	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	86625	5.436	ng	0.00
79) Terphenyl-d14	12.986	244	105058	5.203	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.434	82	37258	2.458	ng	# 65
51) 2,6-Dinitrotoluene	9.916	165	32522	9.204	ng	# 24
71) Phenanthrene	11.428	178	68457	3.065	ng	99
72) Anthracene	11.428	178	68457	3.055	ng	99
75) Fluoranthene	12.616	202	116131	4.902	ng	98
78) Pyrene	12.845	202	87760	3.398	ng	96
83) Chrysene	14.069	228	57899	3.260	ng	# 91
84) Bis(2-ethylhexyl)phtha...	14.033	149	3530429	253.322	ng	# 94
85) Di-n-octyl phthalate	14.633	149	390545	20.140	ng	# 56
88) Benzo(b)fluoranthene	15.098	252	72526	4.300	ng	# 2

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

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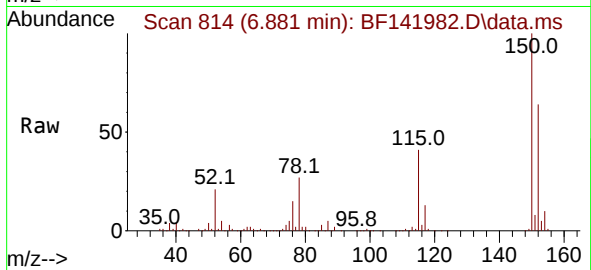
Quant Time: Mar 17 16:02:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



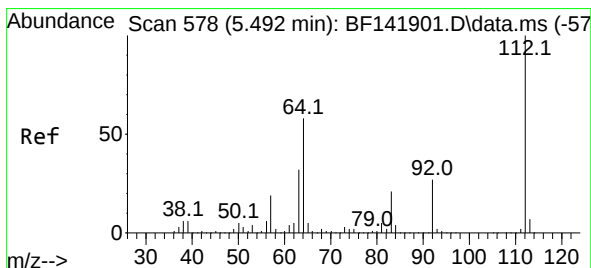
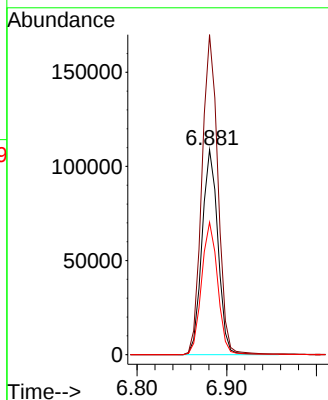
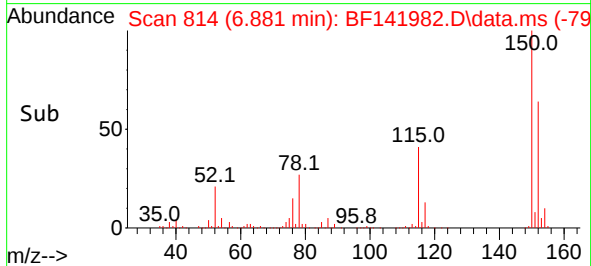


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141982.D
Acq: 17 Mar 2025 15:29

Instrument :
BNA_F
ClientSampleId :
WC1

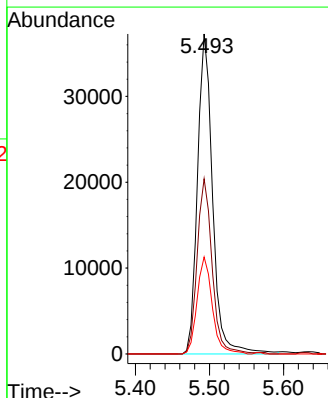
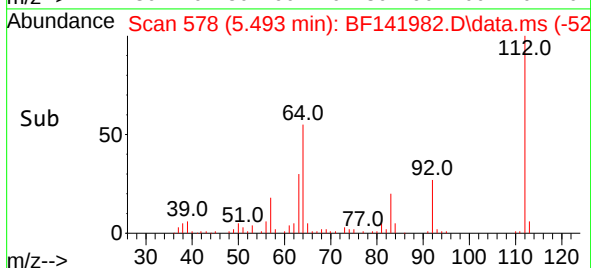
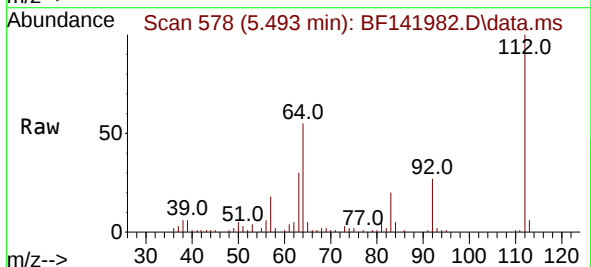


Tgt Ion:152 Resp: 134820
Ion Ratio Lower Upper
152 100
150 156.2 127.4 191.2
115 64.6 51.9 77.9



#5
2-Fluorophenol
Concen: 6.549 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF141982.D
Acq: 17 Mar 2025 15:29

Tgt Ion:112 Resp: 52902
Ion Ratio Lower Upper
112 100
64 54.7 46.5 69.7
63 30.3 25.4 38.2

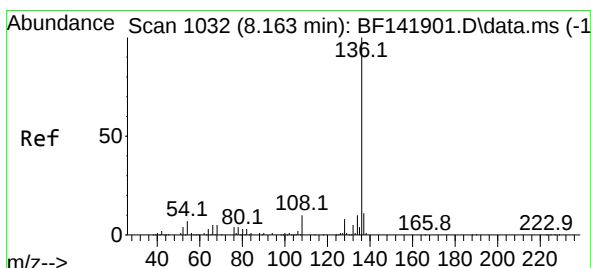
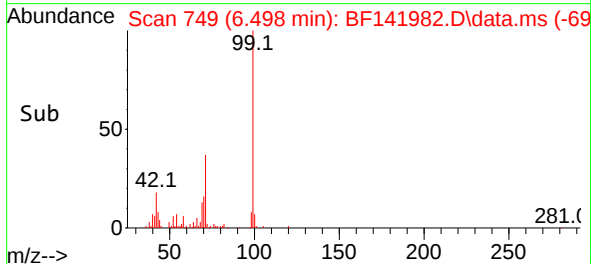
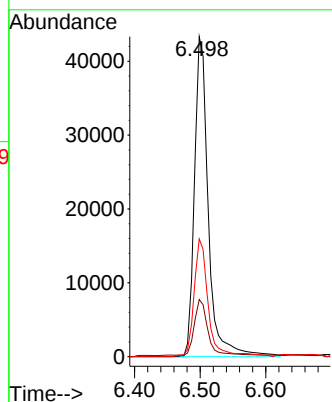
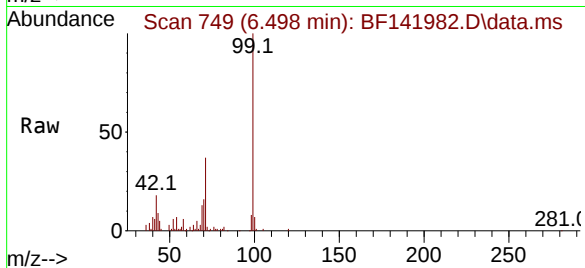




#7
Phenol-d6
Concen: 6.209 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF141982.D
Acq: 17 Mar 2025 15:29

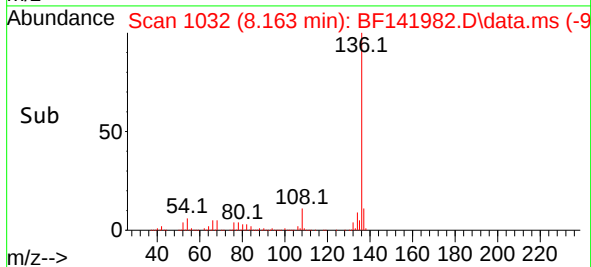
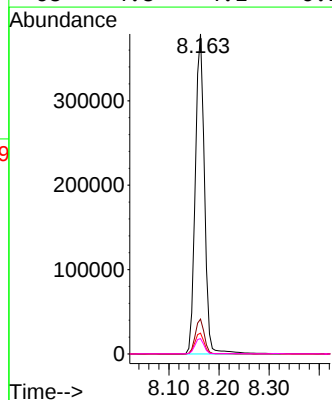
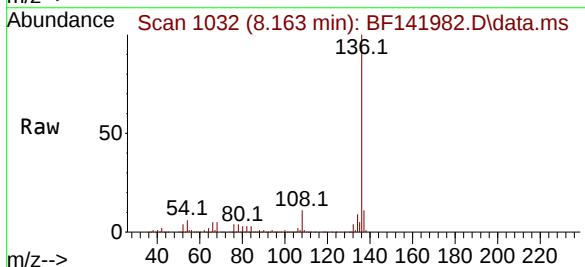
Instrument :
BNA_F
ClientSampleId :
WC1

Tgt Ion: 99 Resp: 63864
Ion Ratio Lower Upper
99 100
42 17.8 14.6 21.8
71 36.8 30.8 46.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BF141982.D
Acq: 17 Mar 2025 15:29

Tgt Ion: 136 Resp: 482604
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.5 5.8 8.8
68 4.8 4.1 6.1

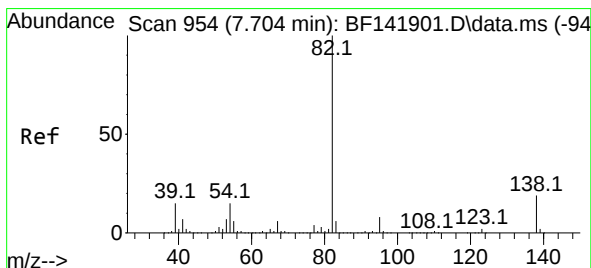
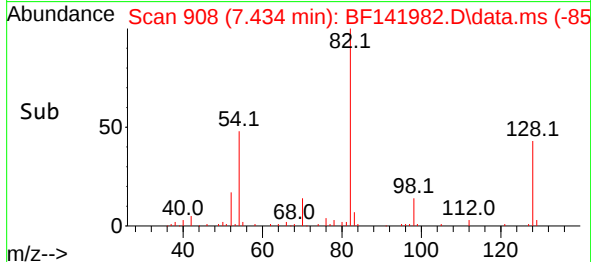
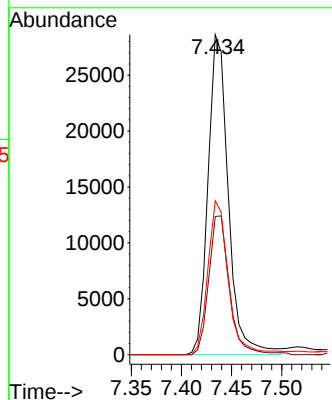
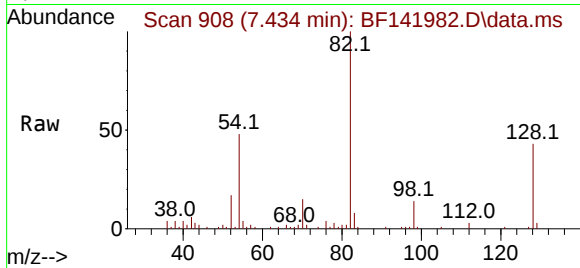




#23
 Nitrobenzene-d5
 Concen: 4.715 ng
 RT: 7.434 min Scan# 908
 Delta R.T. -0.012 min
 Lab File: BF141982.D
 Acq: 17 Mar 2025 15:29

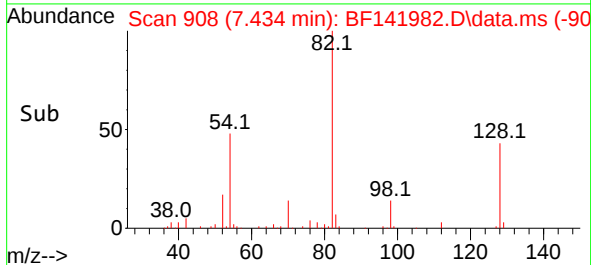
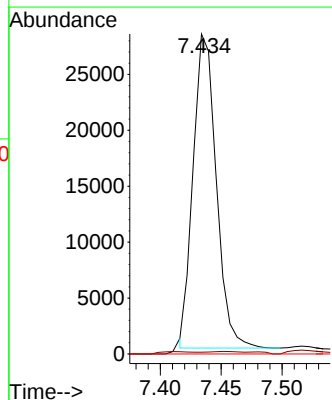
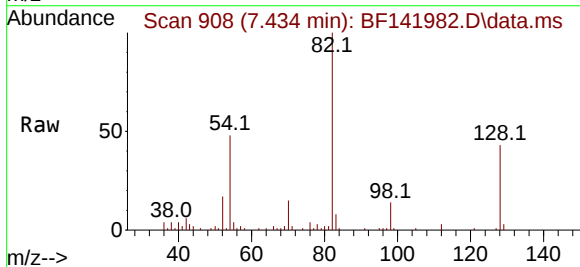
Instrument :
 BNA_F
 ClientSampleId :
 WC1

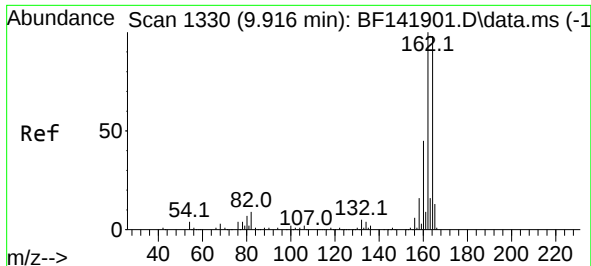
Tgt Ion: 82 Resp: 40431
 Ion Ratio Lower Upper
 82 100
 128 43.2 36.0 54.0
 54 48.1 39.6 59.4



#25
 Isophorone
 Concen: 2.458 ng
 RT: 7.434 min Scan# 908
 Delta R.T. -0.270 min
 Lab File: BF141982.D
 Acq: 17 Mar 2025 15:29

Tgt Ion: 82 Resp: 37258
 Ion Ratio Lower Upper
 82 100
 95 0.6 6.4 9.6#
 138 0.0 14.9 22.3#

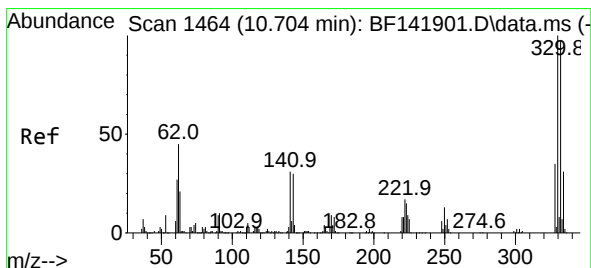
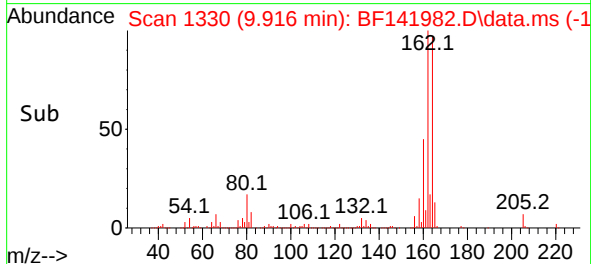
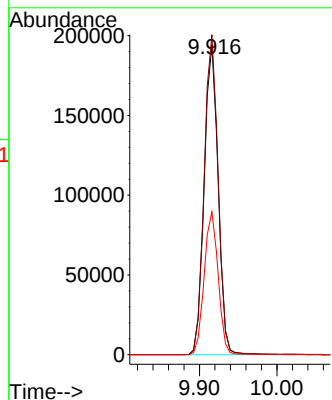
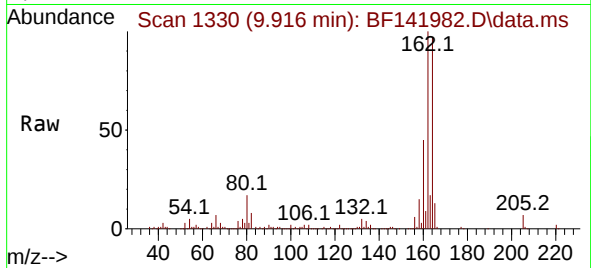




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141982.D
Acq: 17 Mar 2025 15:29

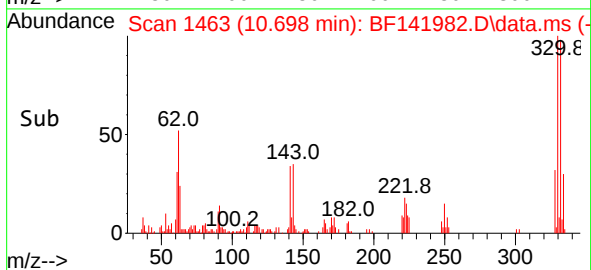
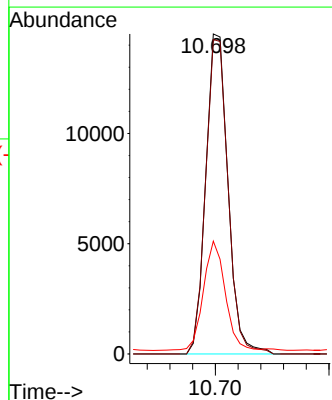
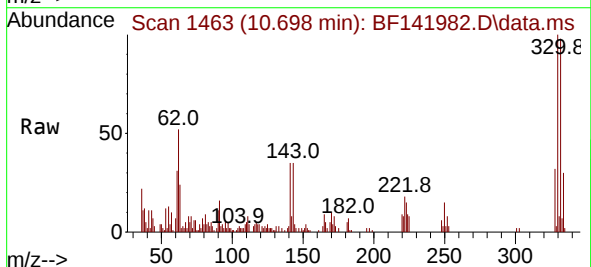
Instrument :
BNA_F
ClientSampleId :
WC1

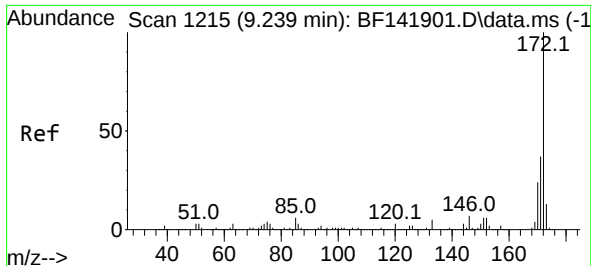
Tgt Ion:164 Resp: 242342
Ion Ratio Lower Upper
164 100
162 103.4 81.8 122.6
160 46.2 36.7 55.1



#42
2,4,6-Tribromophenol
Concen: 6.399 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF141982.D
Acq: 17 Mar 2025 15:29

Tgt Ion:330 Resp: 19673
Ion Ratio Lower Upper
330 100
332 98.9 77.6 116.4
141 35.4 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 5.436 ng

RT: 9.234 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141982.D

Acq: 17 Mar 2025 15:29

Instrument :

BNA_F

ClientSampleId :

WC1

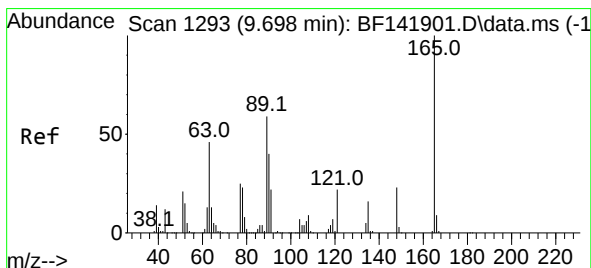
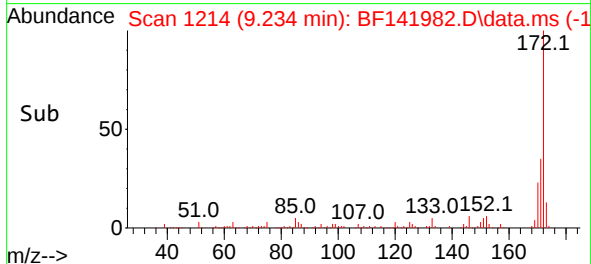
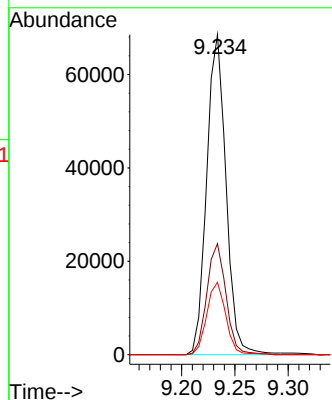
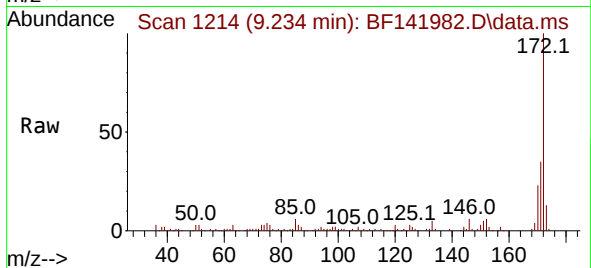
Tgt Ion:172 Resp: 86625

Ion Ratio Lower Upper

172 100

171 34.7 29.3 43.9

170 22.6 19.4 29.0



#51

2,6-Dinitrotoluene

Concen: 9.204 ng

RT: 9.916 min Scan# 1330

Delta R.T. 0.218 min

Lab File: BF141982.D

Acq: 17 Mar 2025 15:29

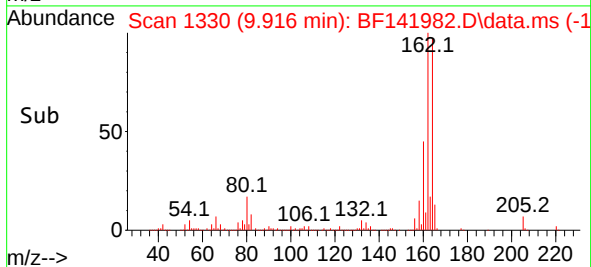
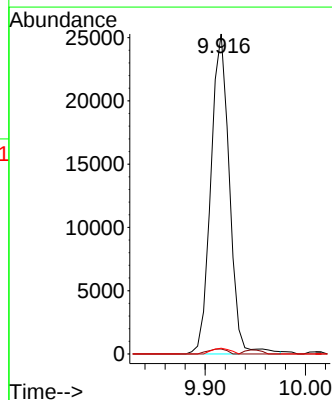
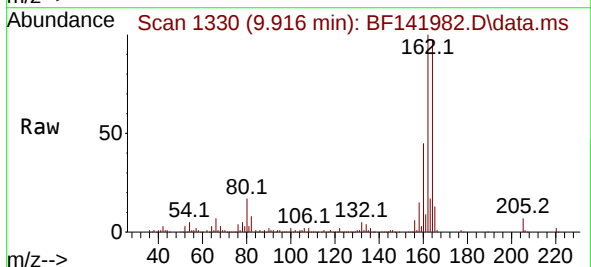
Tgt Ion:165 Resp: 32522

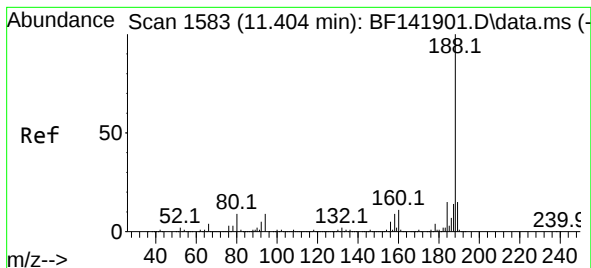
Ion Ratio Lower Upper

165 100

63 1.5 47.0 70.4#

89 1.8 47.4 71.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF141982.D

Acq: 17 Mar 2025 15:29

Instrument :

BNA_F

ClientSampleId :

WC1

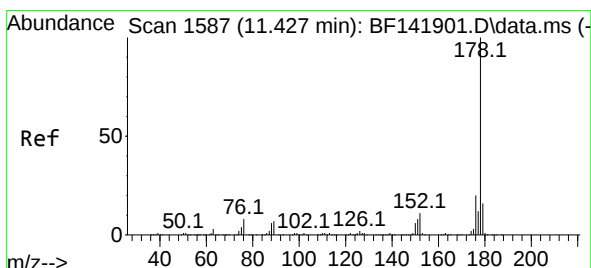
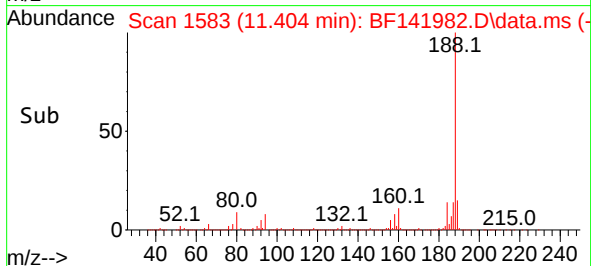
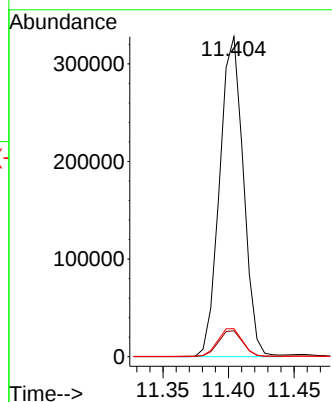
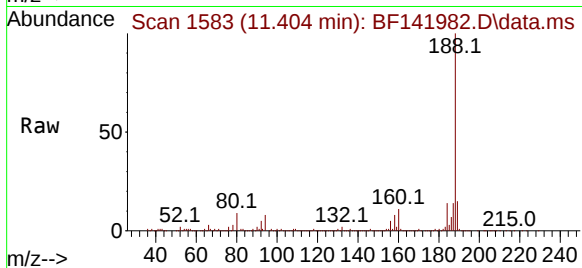
Tgt Ion:188 Resp: 413517

Ion Ratio Lower Upper

188 100

94 8.1 6.8 10.2

80 8.7 7.6 11.4



#71

Phenanthrene

Concen: 3.065 ng

RT: 11.428 min Scan# 1587

Delta R.T. 0.000 min

Lab File: BF141982.D

Acq: 17 Mar 2025 15:29

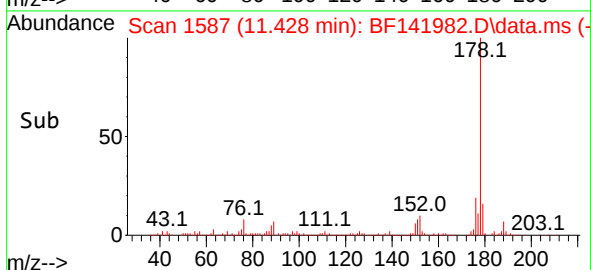
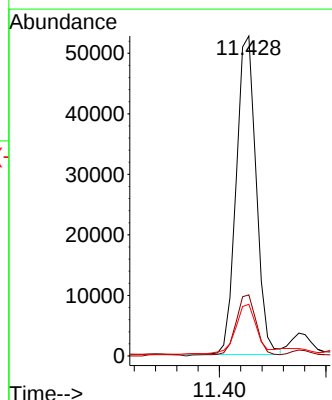
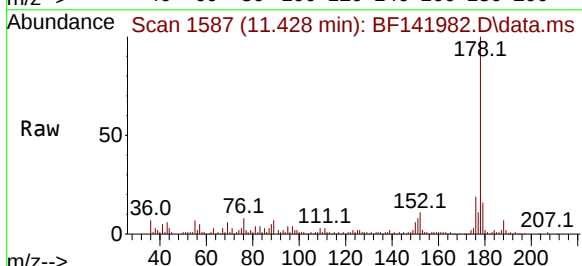
Tgt Ion:178 Resp: 68457

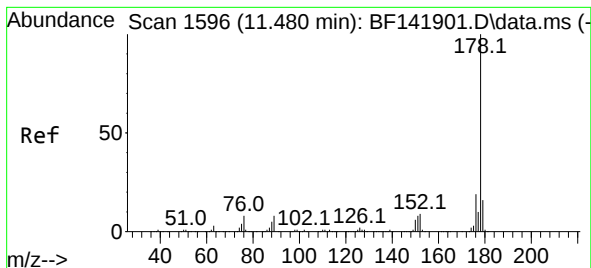
Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

179 16.2 12.6 19.0





#72

Anthracene

Concen: 3.055 ng

RT: 11.428 min Scan# 1587

Delta R.T. -0.053 min

Lab File: BF141982.D

Acq: 17 Mar 2025 15:29

Instrument :

BNA_F

ClientSampleId :

WC1

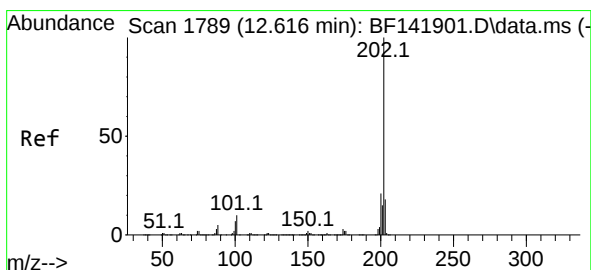
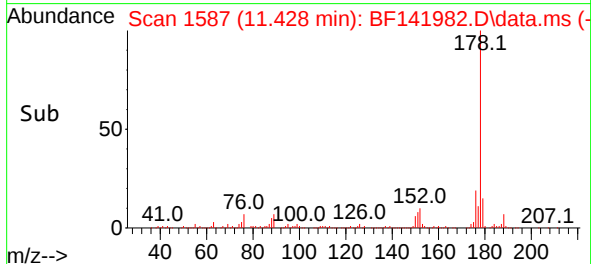
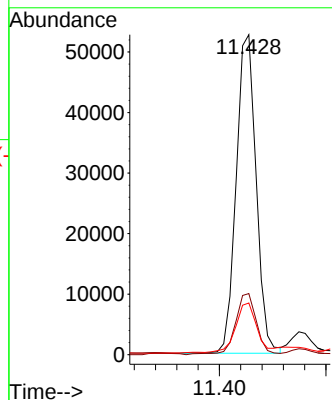
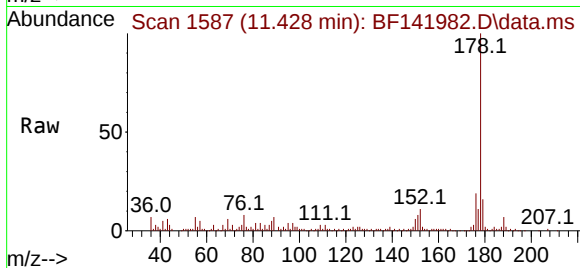
Tgt Ion:178 Resp: 68457

Ion Ratio Lower Upper

178 100

176 19.1 15.1 22.7

179 16.2 12.6 19.0



#75

Fluoranthene

Concen: 4.902 ng

RT: 12.616 min Scan# 1789

Delta R.T. 0.000 min

Lab File: BF141982.D

Acq: 17 Mar 2025 15:29

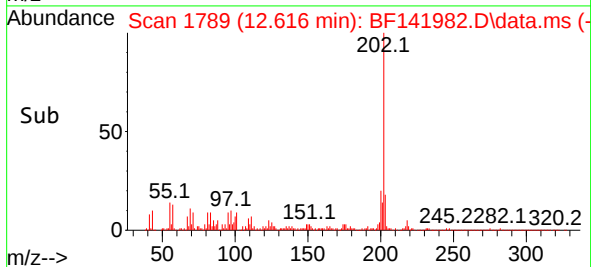
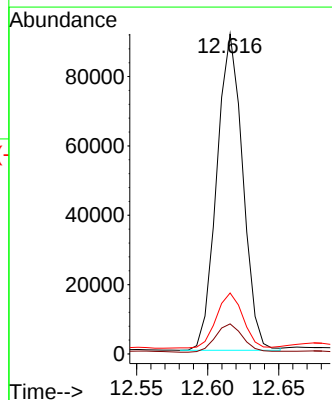
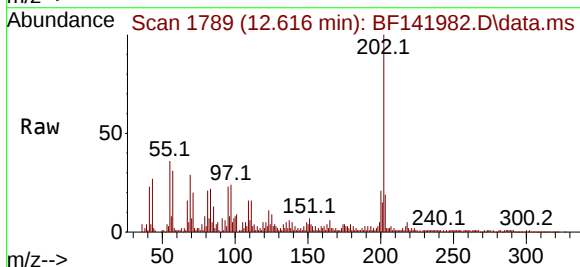
Tgt Ion:202 Resp: 116131

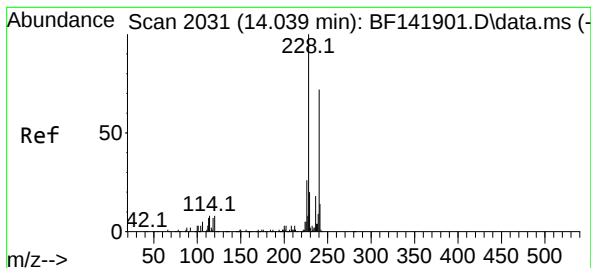
Ion Ratio Lower Upper

202 100

101 9.4 0.0 29.7

203 19.0 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2031

Delta R.T. 0.006 min

Lab File: BF141982.D

Acq: 17 Mar 2025 15:29

Instrument :

BNA_F

ClientSampleId :

WC1

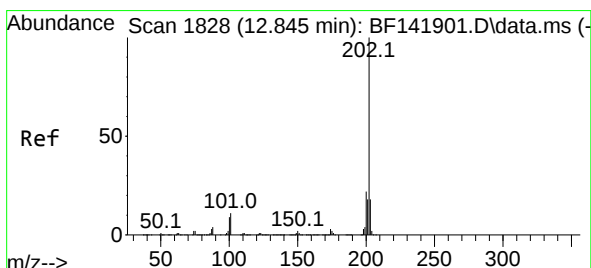
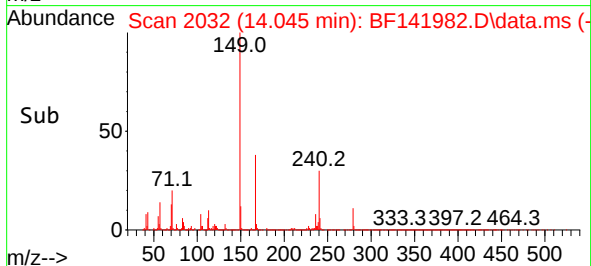
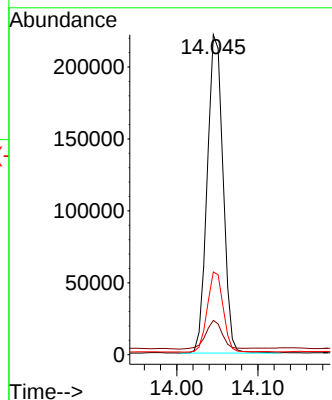
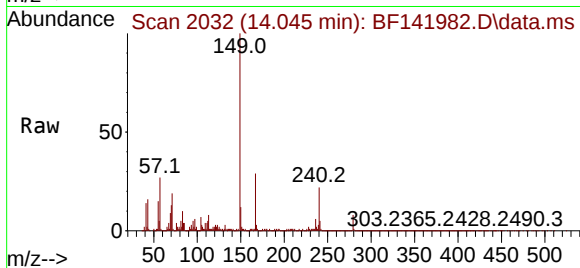
Tgt Ion:240 Resp: 298547

Ion Ratio Lower Upper

240 100

120 10.7 8.4 12.6

236 25.9 20.5 30.7



#78

Pyrene

Concen: 3.398 ng

RT: 12.845 min Scan# 1828

Delta R.T. 0.000 min

Lab File: BF141982.D

Acq: 17 Mar 2025 15:29

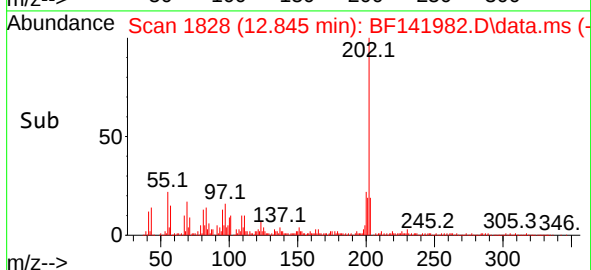
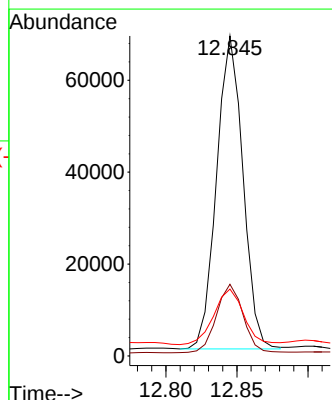
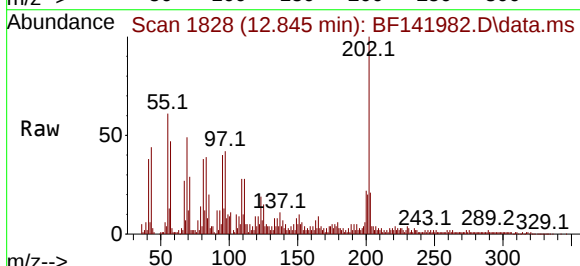
Tgt Ion:202 Resp: 87760

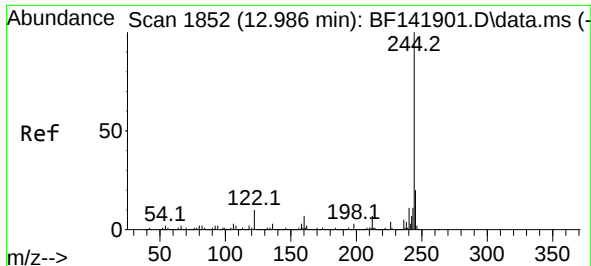
Ion Ratio Lower Upper

202 100

200 22.4 17.3 25.9

203 20.9 14.4 21.6

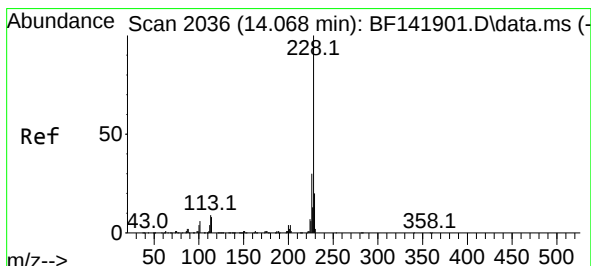
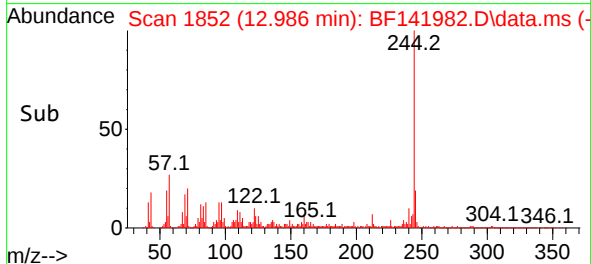
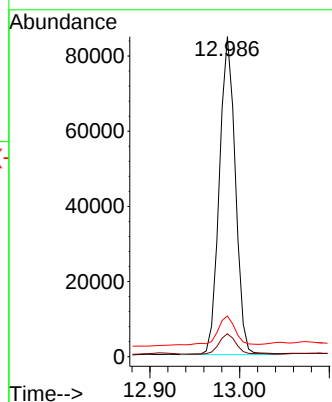
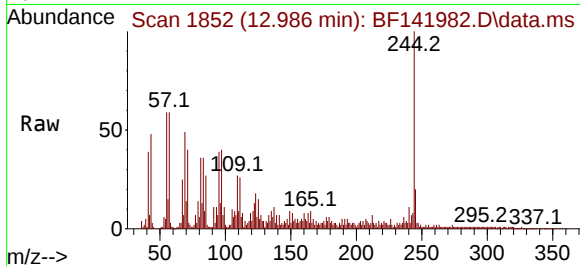




#79
 Terphenyl-d14
 Concen: 5.203 ng
 RT: 12.986 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: BF141982.D
 Acq: 17 Mar 2025 15:29

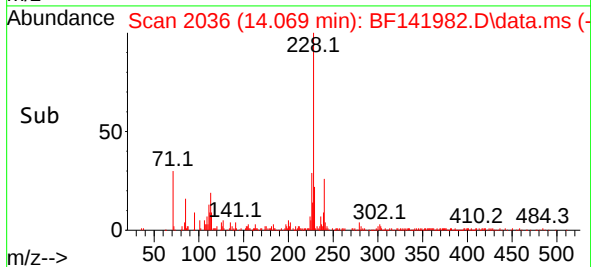
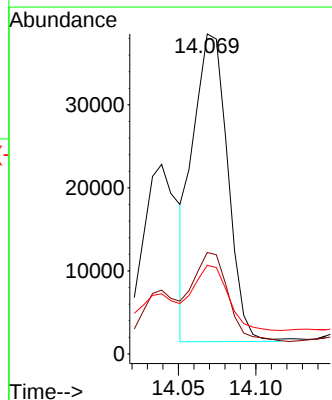
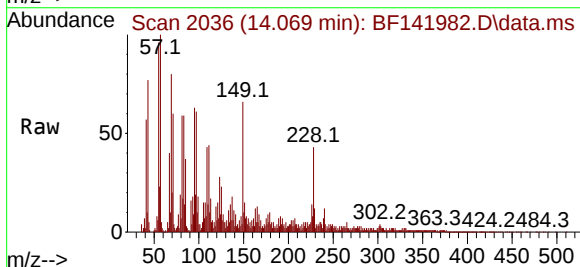
Instrument :
 BNA_F
 ClientSampleId :
 WC1

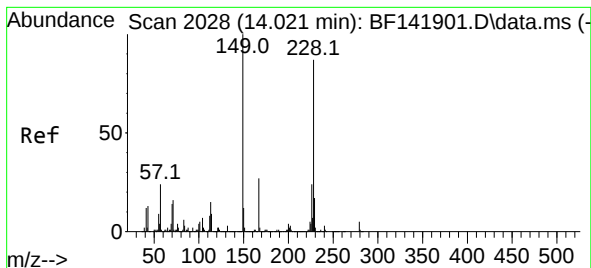
Tgt Ion:244 Resp: 105058
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 12.7 7.7 11.5#



#83
 Chrysene
 Concen: 3.260 ng
 RT: 14.069 min Scan# 2036
 Delta R.T. 0.000 min
 Lab File: BF141982.D
 Acq: 17 Mar 2025 15:29

Tgt Ion:228 Resp: 57899
 Ion Ratio Lower Upper
 228 100
 226 31.7 24.1 36.1
 229 27.7 15.7 23.5#





#84

Bis(2-ethylhexyl)phthalate

Concen: 253.322 ng

RT: 14.033 min Scan# 2028

Delta R.T. 0.012 min

Lab File: BF141982.D

Acq: 17 Mar 2025 15:29

Instrument :

BNA_F

ClientSampleId :

WC1

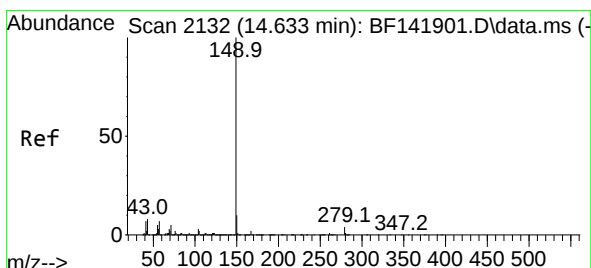
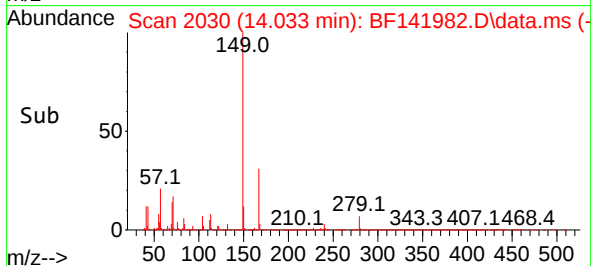
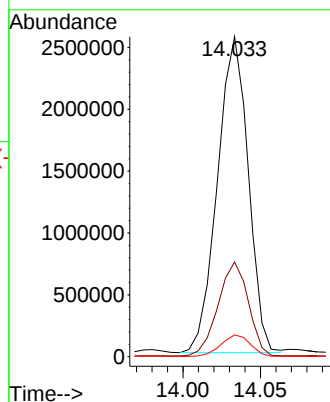
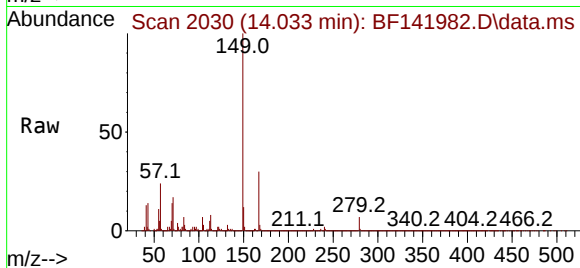
Tgt Ion:149 Resp: 3530429

Ion Ratio Lower Upper

149 100

167 29.6 21.4 32.0

279 6.8 3.8 5.6#



#85

Di-n-octyl phthalate

Concen: 20.140 ng

RT: 14.633 min Scan# 2132

Delta R.T. 0.000 min

Lab File: BF141982.D

Acq: 17 Mar 2025 15:29

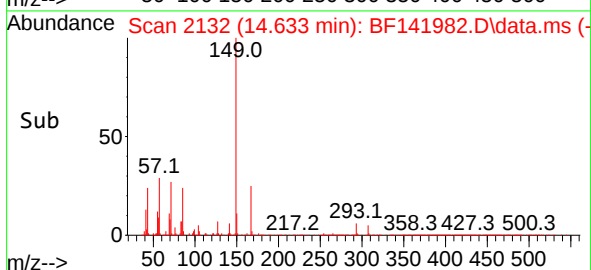
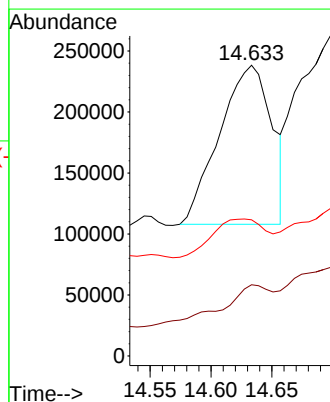
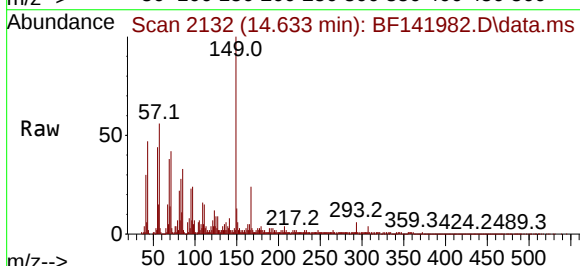
Tgt Ion:149 Resp: 390545

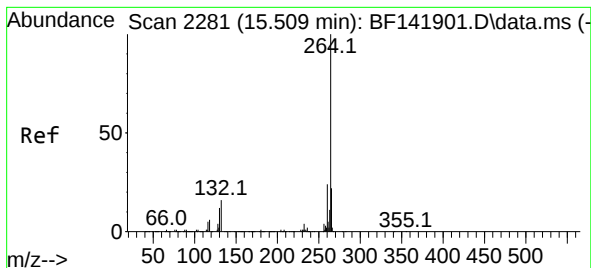
Ion Ratio Lower Upper

149 100

167 17.9 1.3 1.9#

43 24.5 6.9 10.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.569 min Scan# 21

Delta R.T. 0.059 min

Lab File: BF141982.D

Acq: 17 Mar 2025 15:29

Instrument :

BNA_F

ClientSampleId :

WC1

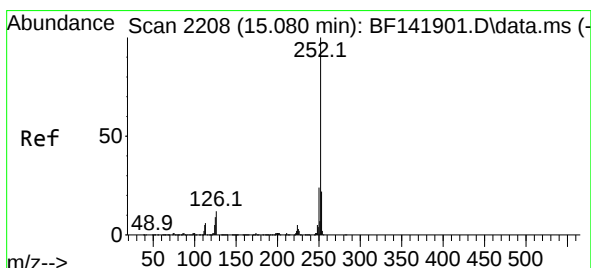
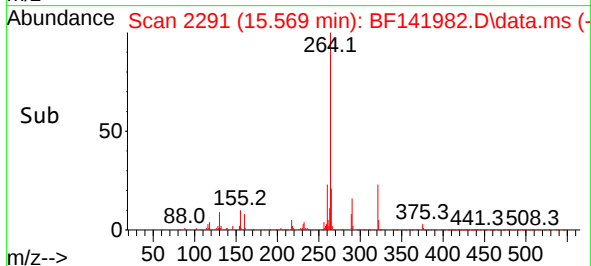
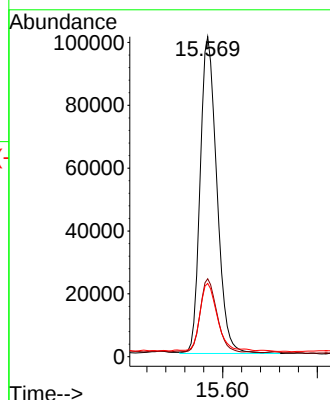
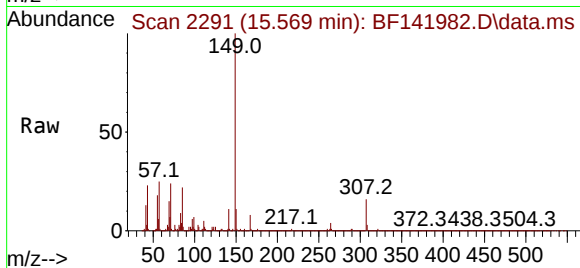
Tgt Ion:264 Resp: 246126

Ion Ratio Lower Upper

264 100

260 24.4 19.1 28.7

265 22.9 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 4.300 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.018 min

Lab File: BF141982.D

Acq: 17 Mar 2025 15:29

Tgt Ion:252 Resp: 72526

Ion Ratio Lower Upper

252 100

253 29.5 17.5 26.3#

125 117.6 7.0 10.4#

