

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141396.D
 Acq On : 04 Feb 2025 03:28
 Operator : RC/JU
 Sample : Q1254-01 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-01312025

Quant Time: Feb 04 04:33:15 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)

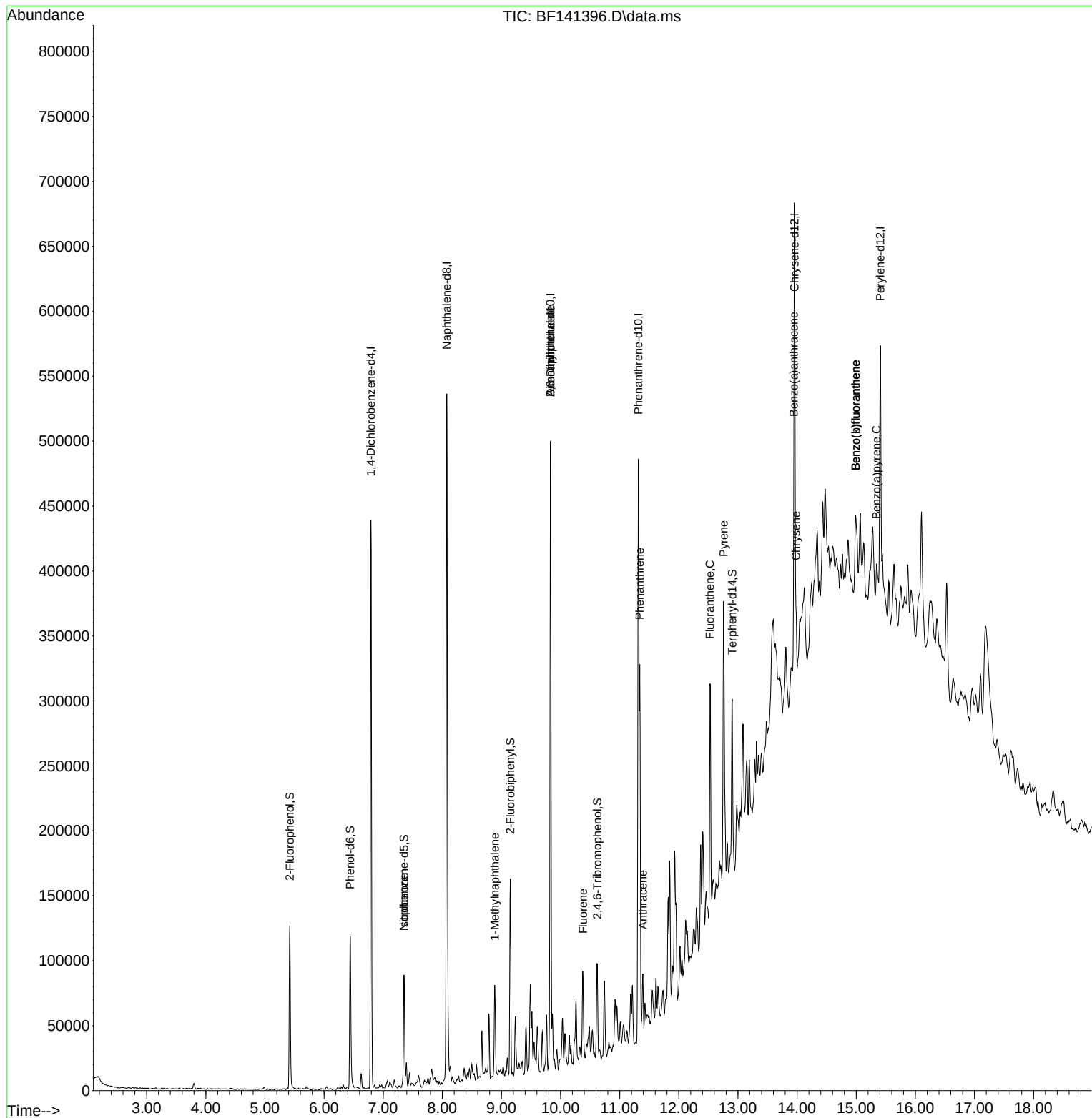
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	88636	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	318186	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	139700	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	223849	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	161564	20.000	ng	-0.02
86) Perylene-d12	15.410	264	117327	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	48455	8.393	ng	0.01
7) Phenol-d6	6.440	99	60164	8.191	ng	0.00
23) Nitrobenzene-d5	7.351	82	36137	5.987	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	10180	7.949	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	64436	7.099	ng	-0.01
79) Terphenyl-d14	12.904	244	62838	5.998	ng	-0.01
Target Compounds						
						Qvalue
25) Isophorone	7.351	82	36136	3.463	ng	# 64
38) 1-Methylnaphthalene	8.886	142	23757	2.264	ng	95
50) Dimethylphthalate	9.828	163	19031	2.017	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	18874	8.615	ng	# 24
58) Fluorene	10.380	166	24636	2.794	ng	91
71) Phenanthrene	11.339	178	146161	12.147	ng	99
72) Anthracene	11.392	178	24828	2.106	ng	98
75) Fluoranthene	12.527	202	103996	8.753	ng	98
78) Pyrene	12.757	202	126281	8.143	ng	98
81) Benzo(a)anthracene	13.945	228	39166	3.513	ng	# 88
83) Chrysene	13.980	228	40934	4.006	ng	# 89
88) Benzo(b)fluoranthene	14.992	252	31496	4.268	ng	# 58
89) Benzo(k)fluoranthene	14.992	252	31254	4.780	ng	# 59
90) Benzo(a)pyrene	15.345	252	20018	3.210	ng	# 73

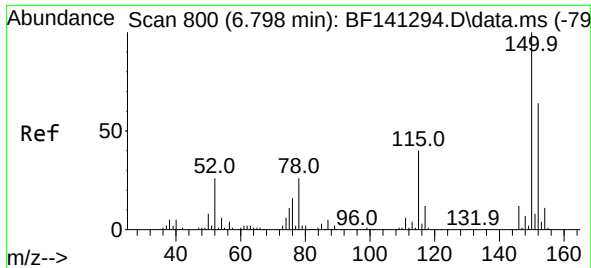
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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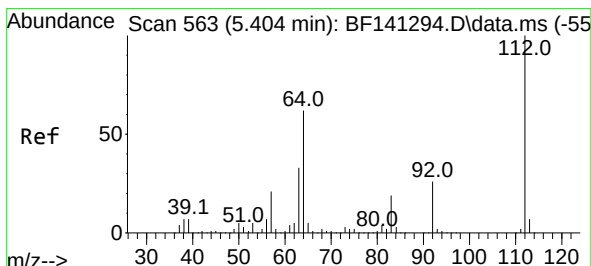
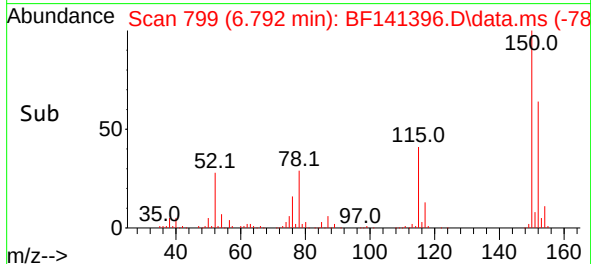
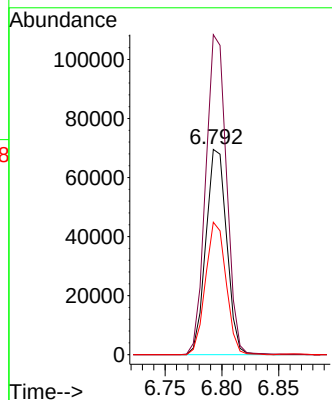
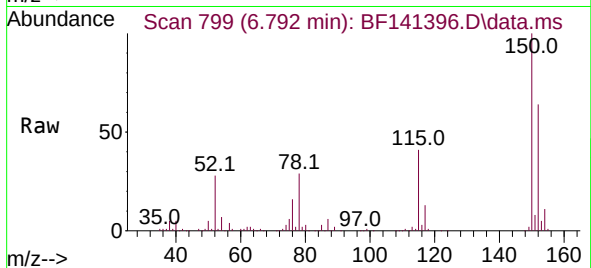




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF141396.D
Acq: 04 Feb 2025 03:28

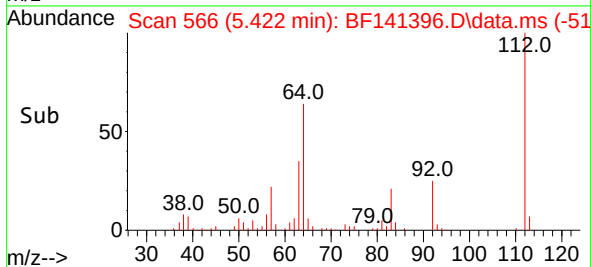
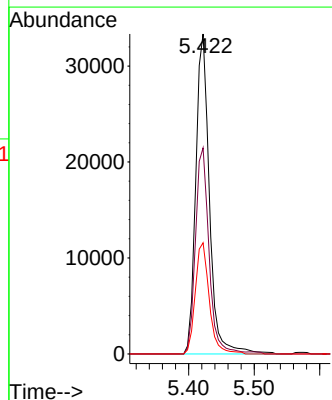
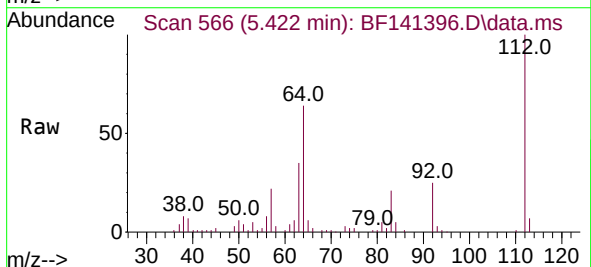
Instrument :
BNA_F
ClientSampleId :
OK-02-01312025

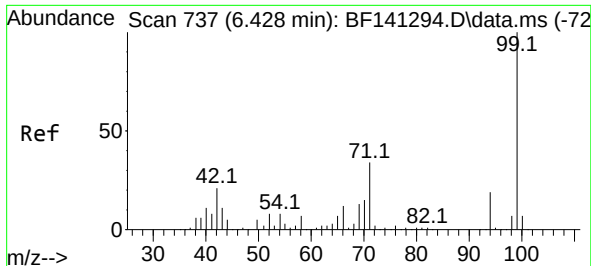
Tgt Ion:152 Resp: 88636
Ion Ratio Lower Upper
152 100
150 155.8 125.9 188.9
115 64.5 49.7 74.5



#5
2-Fluorophenol
Concen: 8.393 ng
RT: 5.422 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF141396.D
Acq: 04 Feb 2025 03:28

Tgt Ion:112 Resp: 48455
Ion Ratio Lower Upper
112 100
64 64.4 49.8 74.8
63 34.8 26.1 39.1

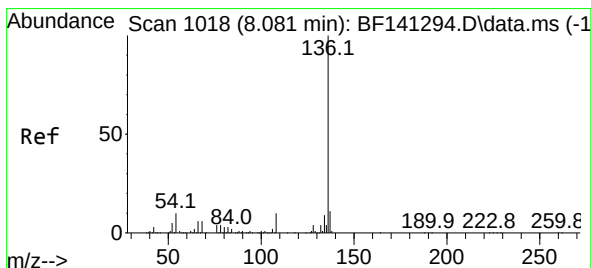
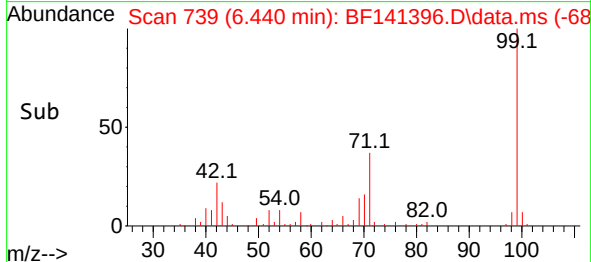
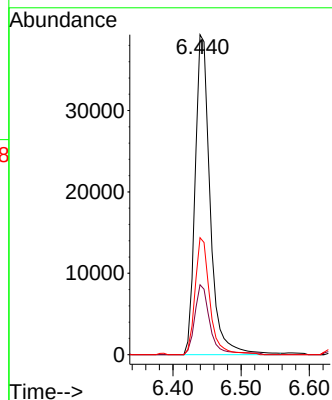
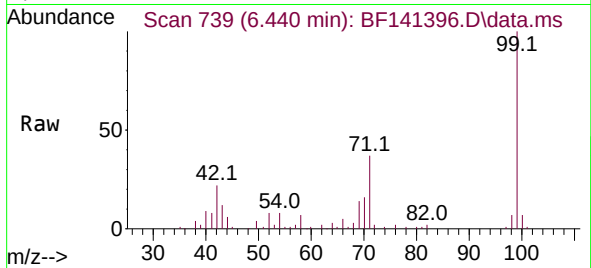




#7
Phenol-d6
Concen: 8.191 ng
RT: 6.440 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF141396.D
Acq: 04 Feb 2025 03:28

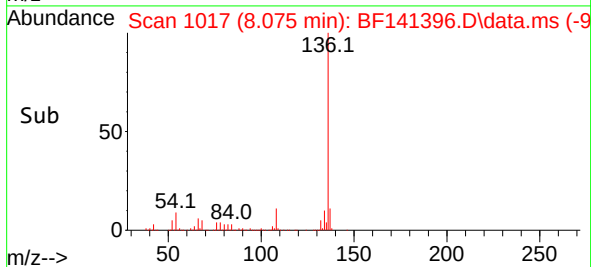
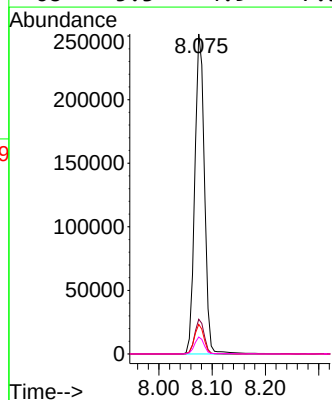
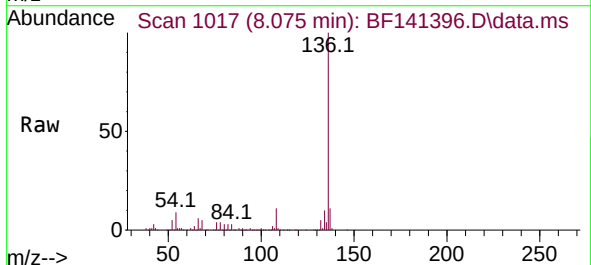
Instrument :
BNA_F
ClientSampleId :
OK-02-01312025

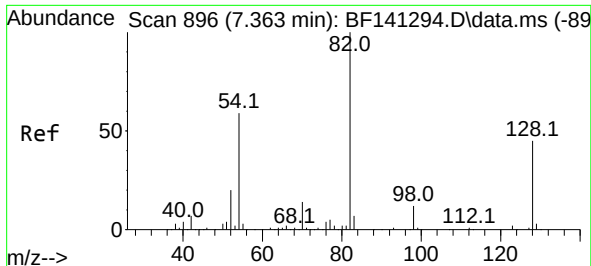
Tgt Ion: 99 Resp: 60164
Ion Ratio Lower Upper
99 100
42 21.9 17.1 25.7
71 36.5 26.9 40.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF141396.D
Acq: 04 Feb 2025 03:28

Tgt Ion: 136 Resp: 318186
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.2 7.8 11.8
68 5.3 4.9 7.3





#23

Nitrobenzene-d5

Concen: 5.987 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.018 min

Lab File: BF141396.D

Acq: 04 Feb 2025 03:28

Instrument :

BNA_F

ClientSampleId :

OK-02-01312025

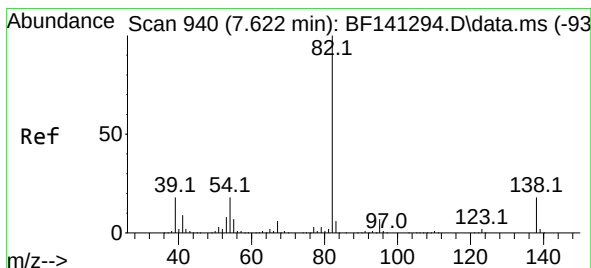
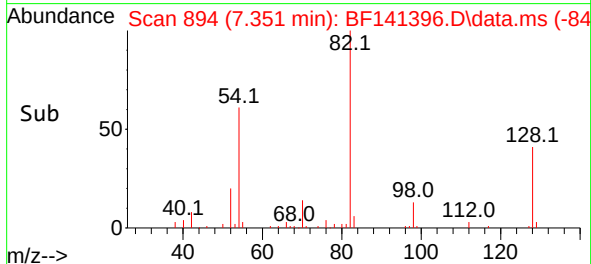
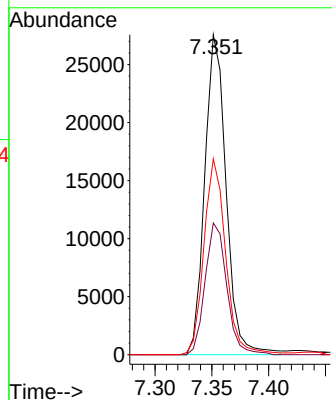
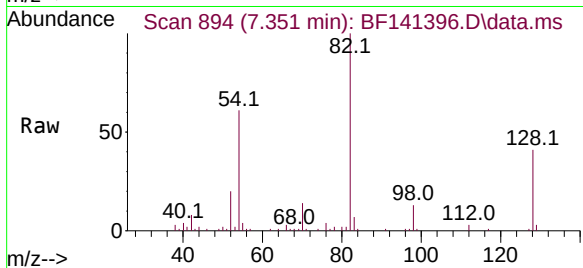
Tgt Ion: 82 Resp: 36137

Ion Ratio Lower Upper

82 100

128 41.1 35.7 53.5

54 61.2 47.1 70.7



#25

Isophorone

Concen: 3.463 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.277 min

Lab File: BF141396.D

Acq: 04 Feb 2025 03:28

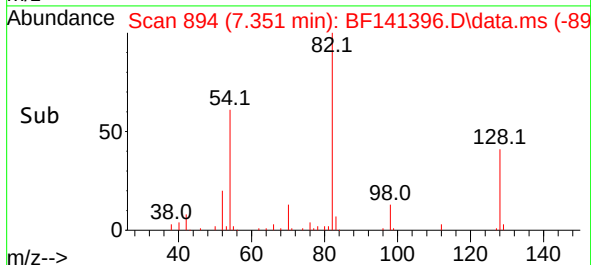
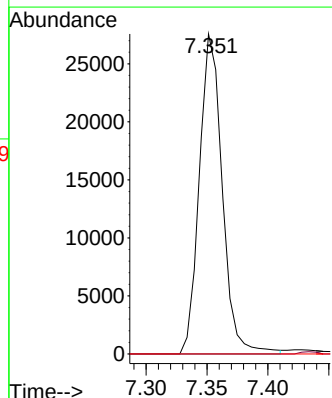
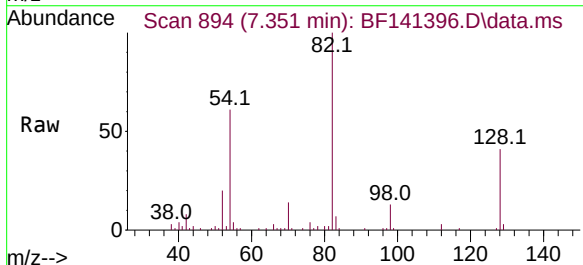
Tgt Ion: 82 Resp: 36136

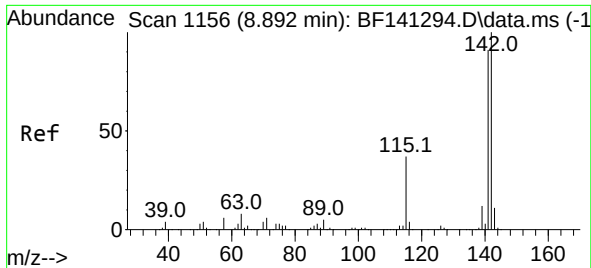
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 14.7 22.1#

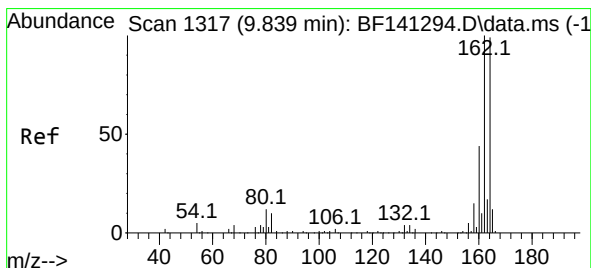
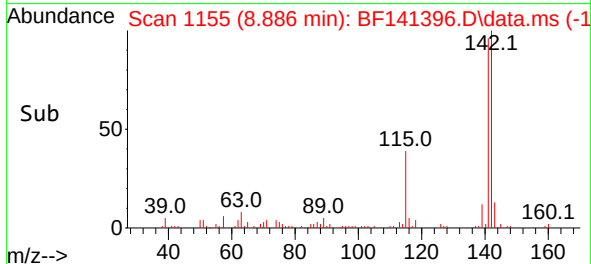
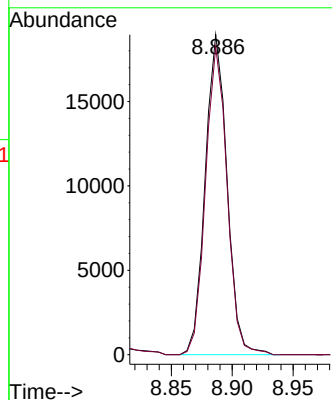
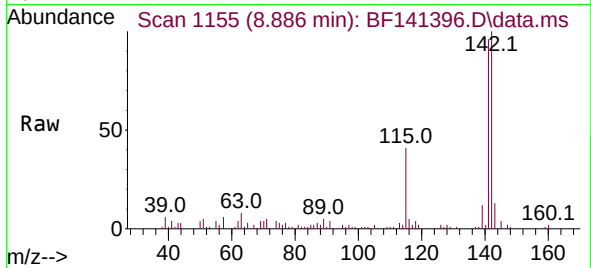




#38
1-Methylnaphthalene
Concen: 2.264 ng
RT: 8.886 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141396.D
Acq: 04 Feb 2025 03:28

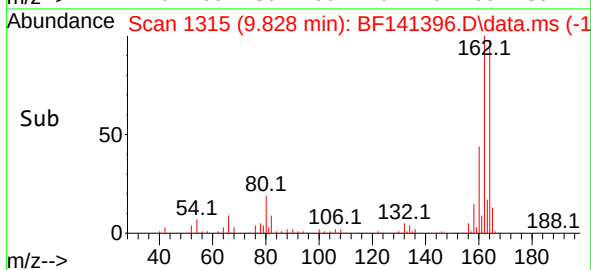
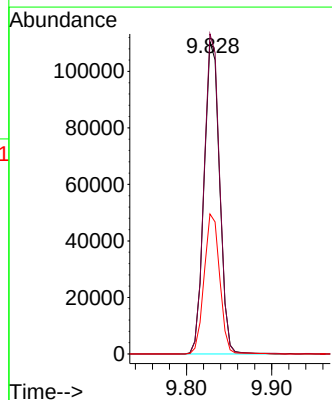
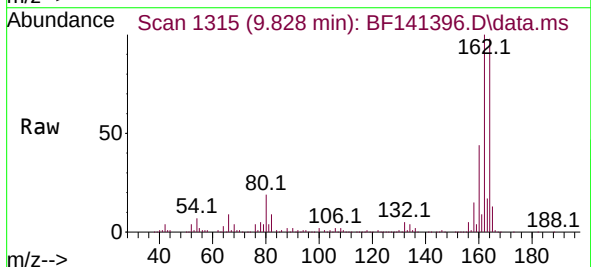
Instrument :
BNA_F
ClientSampleId :
OK-02-01312025

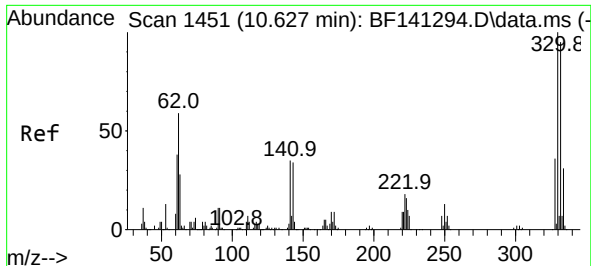
Tgt Ion:142 Resp: 23757
Ion Ratio Lower Upper
142 100
141 96.1 73.2 109.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141396.D
Acq: 04 Feb 2025 03:28

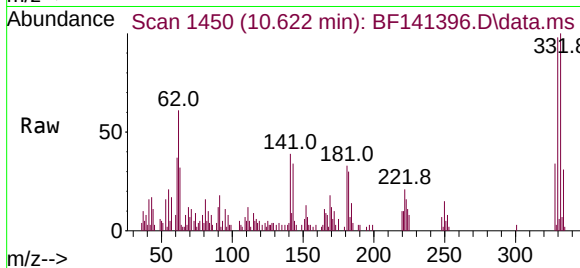
Tgt Ion:164 Resp: 139700
Ion Ratio Lower Upper
164 100
162 102.4 80.6 121.0
160 44.8 35.8 53.6



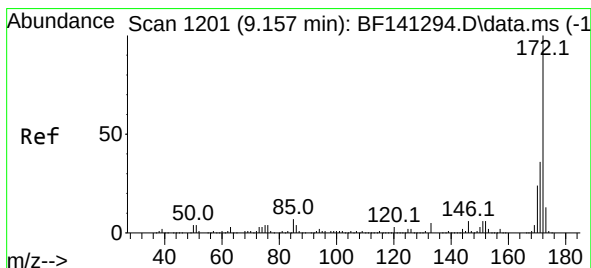
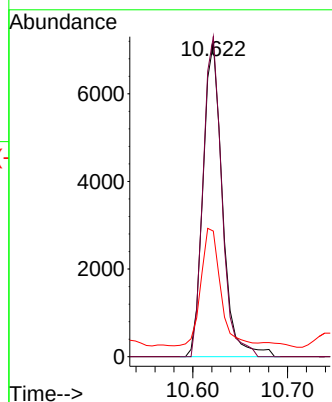
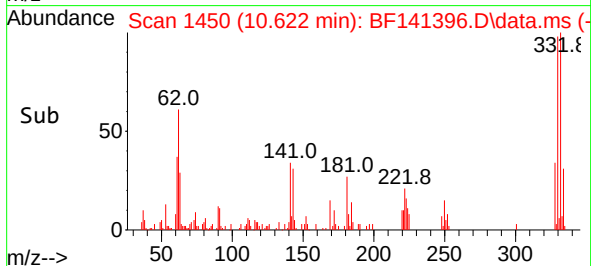


#42
 2,4,6-Tribromophenol
 Concen: 7.949 ng
 RT: 10.622 min Scan# 1451
 Delta R.T. -0.012 min
 Lab File: BF141396.D
 Acq: 04 Feb 2025 03:28

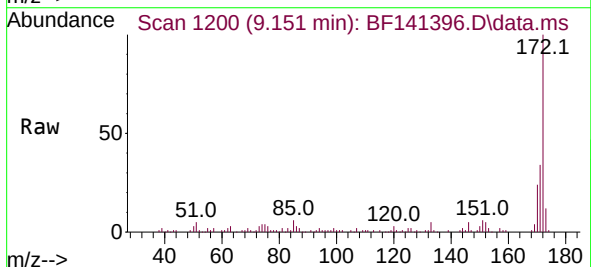
Instrument :
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 ClientSampleId :
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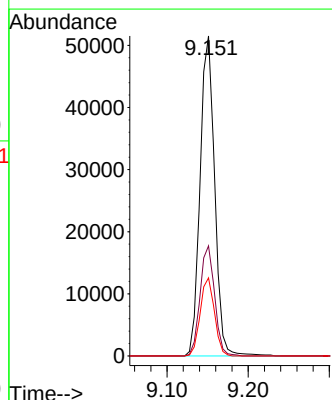
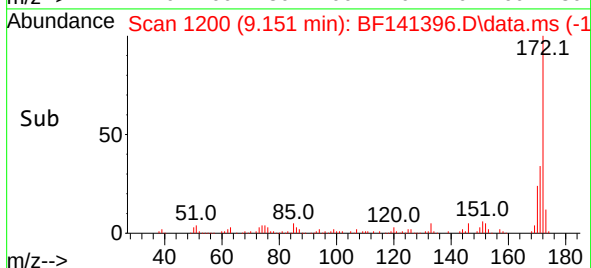
Tgt Ion: 330 Resp: 10180
 Ion Ratio Lower Upper
 330 100
 332 98.0 76.1 114.1
 141 37.8 28.8 43.2

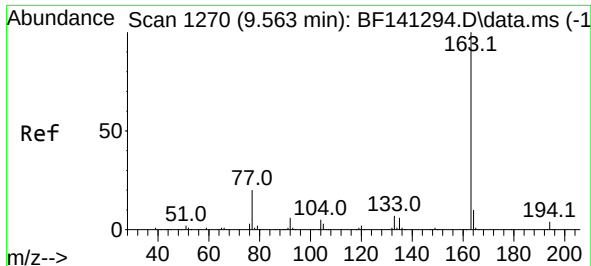


#45
 2-Fluorobiphenyl
 Concen: 7.099 ng
 RT: 9.151 min Scan# 1200
 Delta R.T. -0.012 min
 Lab File: BF141396.D
 Acq: 04 Feb 2025 03:28



Tgt Ion: 172 Resp: 64436
 Ion Ratio Lower Upper
 172 100
 171 34.4 28.8 43.2
 170 24.4 19.0 28.6

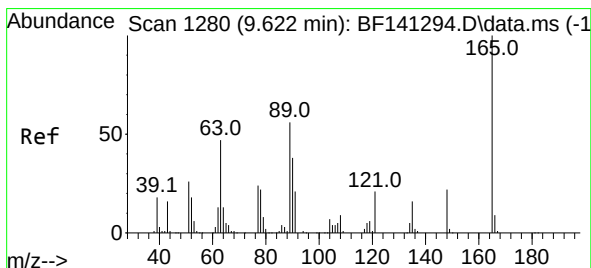
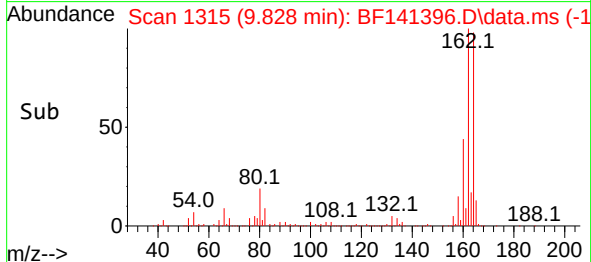
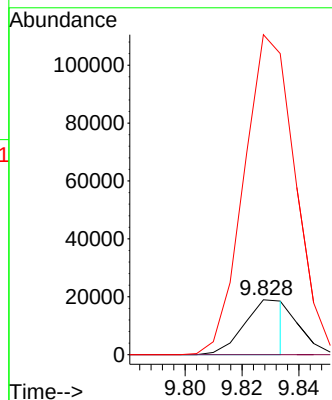
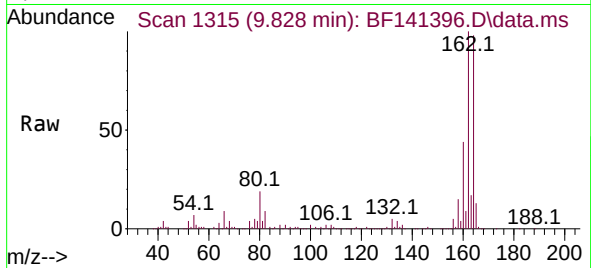




#50
Dimethylphthalate
Concen: 2.017 ng
RT: 9.828 min Scan# 11
Delta R.T. 0.259 min
Lab File: BF141396.D
Acq: 04 Feb 2025 03:28

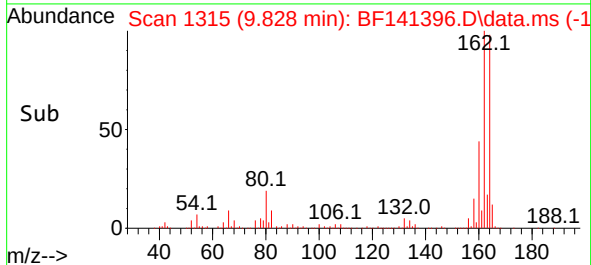
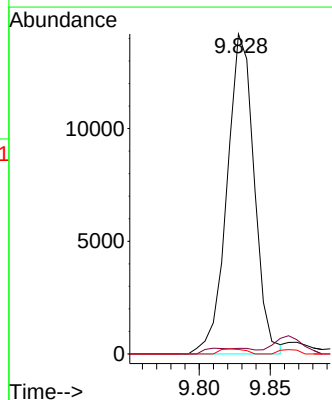
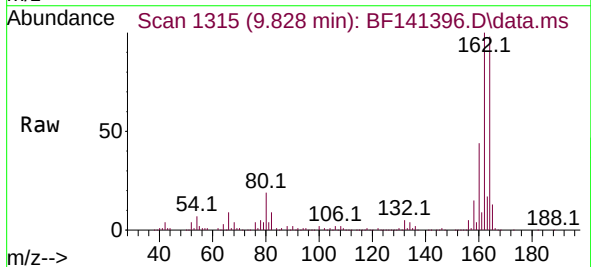
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OK-02-01312025

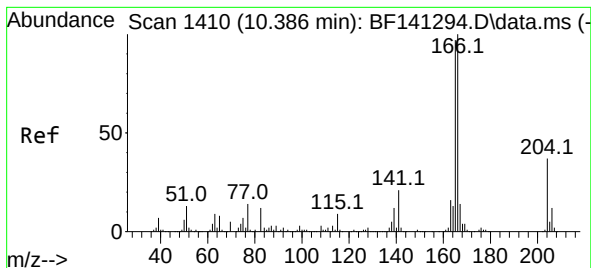
Tgt Ion:163 Resp: 19031
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 583.0 8.0 12.0#



#51
2,6-Dinitrotoluene
Concen: 8.615 ng
RT: 9.828 min Scan# 1315
Delta R.T. 0.200 min
Lab File: BF141396.D
Acq: 04 Feb 2025 03:28

Tgt Ion:165 Resp: 18874
Ion Ratio Lower Upper
165 100
63 1.8 48.1 72.1#
89 1.4 44.9 67.3#





#58

Fluorene

Concen: 2.794 ng

RT: 10.380 min Scan# 1410

Delta R.T. -0.012 min

Lab File: BF141396.D

Acq: 04 Feb 2025 03:28

Instrument :

BNA_F

ClientSampleId :

OK-02-01312025

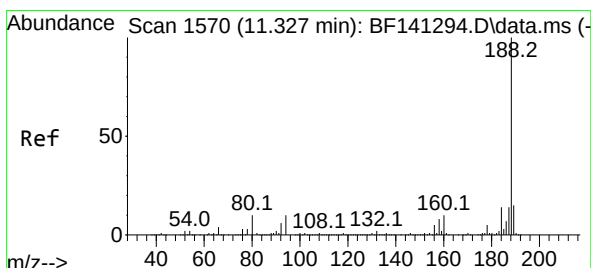
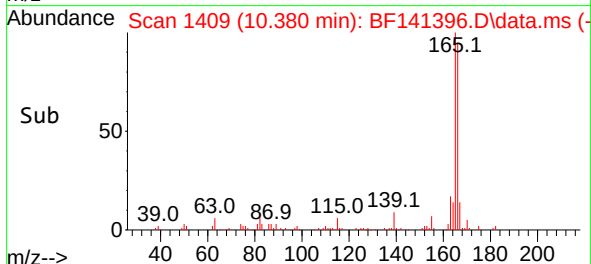
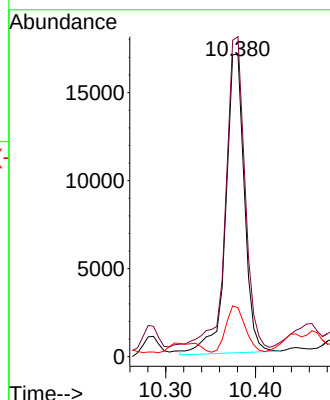
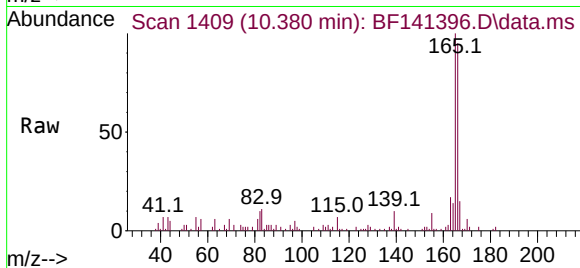
Tgt Ion:166 Resp: 24636

Ion Ratio Lower Upper

166 100

165 105.7 77.5 116.3

167 16.2 10.9 16.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1568

Delta R.T. -0.012 min

Lab File: BF141396.D

Acq: 04 Feb 2025 03:28

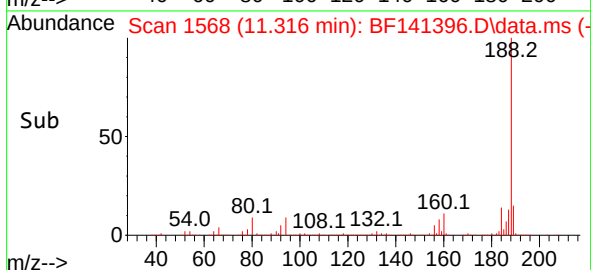
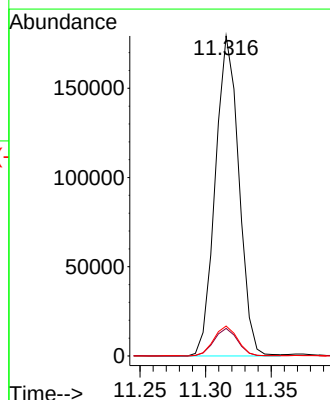
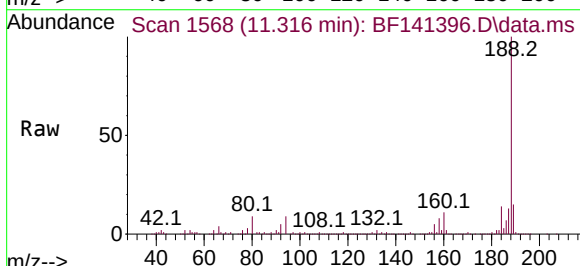
Tgt Ion:188 Resp: 223849

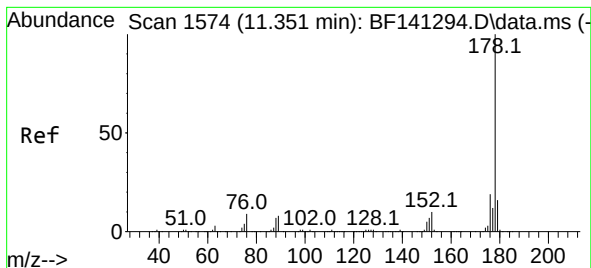
Ion Ratio Lower Upper

188 100

94 8.6 7.8 11.6

80 9.4 8.2 12.4





#71

Phenanthrene

Concen: 12.147 ng

RT: 11.339 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141396.D

Acq: 04 Feb 2025 03:28

Instrument :

BNA_F

ClientSampleId :

OK-02-01312025

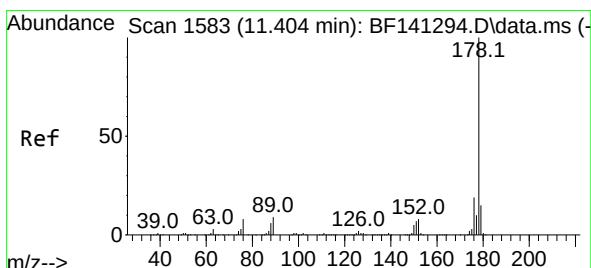
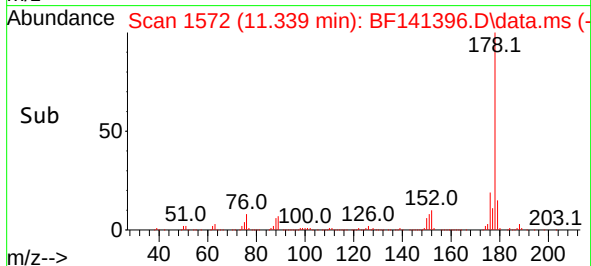
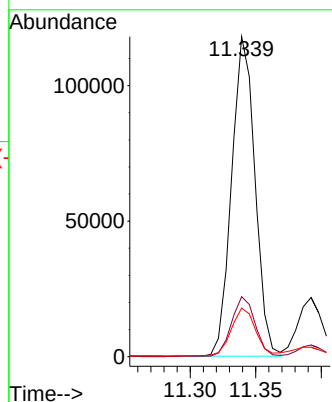
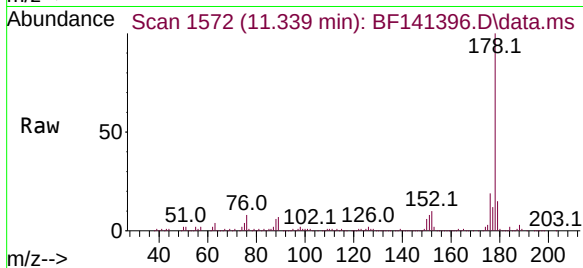
Tgt Ion:178 Resp: 146161

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

179 15.2 12.5 18.7



#72

Anthracene

Concen: 2.106 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF141396.D

Acq: 04 Feb 2025 03:28

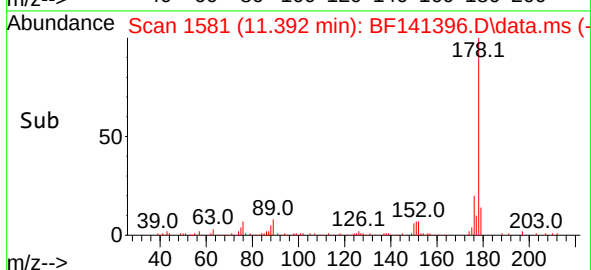
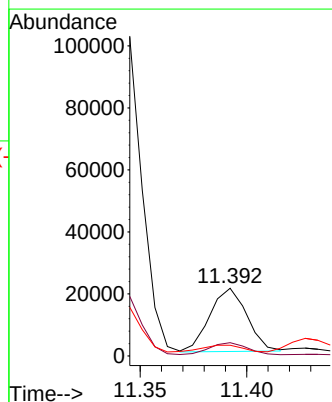
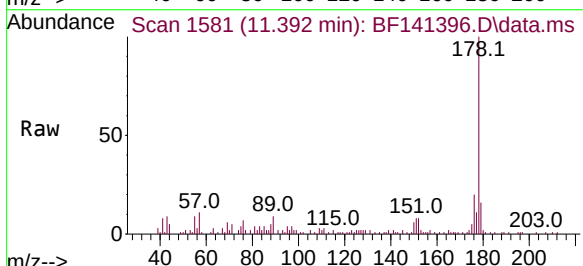
Tgt Ion:178 Resp: 24828

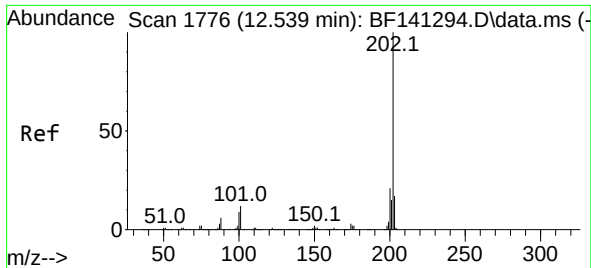
Ion Ratio Lower Upper

178 100

176 19.7 15.0 22.6

179 16.0 12.3 18.5

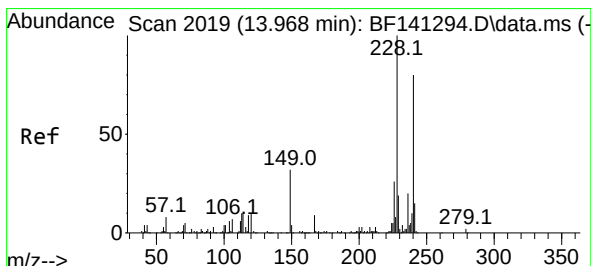
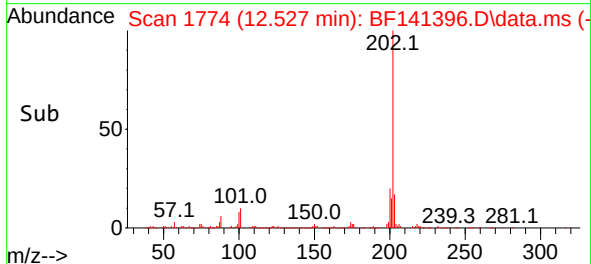
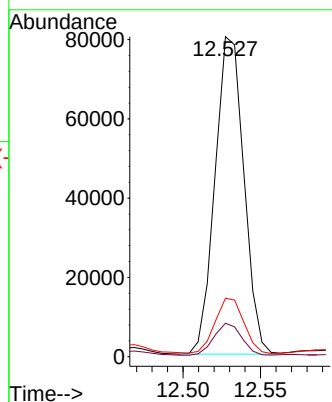
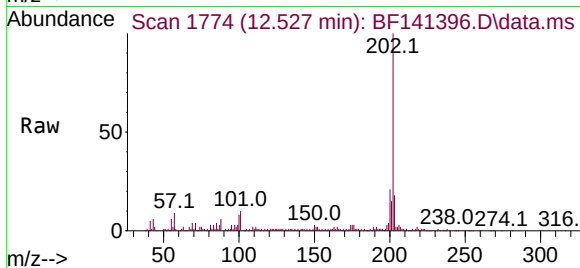




#75
Fluoranthene
Concen: 8.753 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141396.D
Acq: 04 Feb 2025 03:28

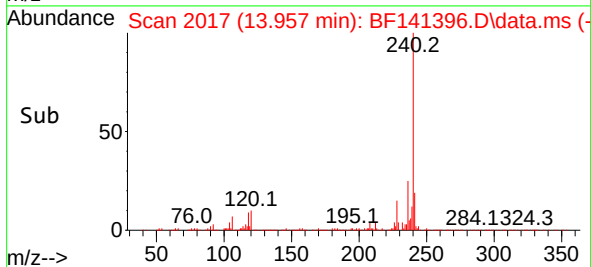
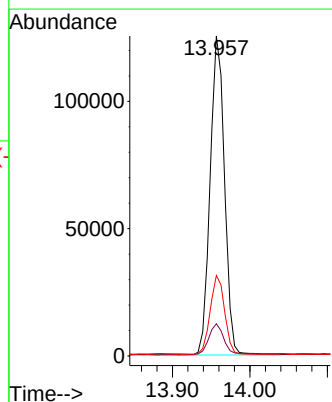
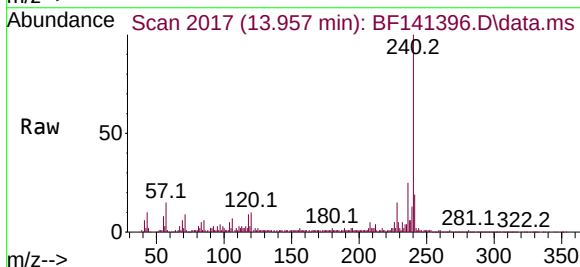
Instrument :
BNA_F
ClientSampleId :
OK-02-01312025

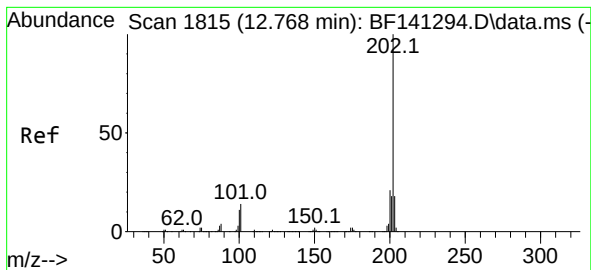
Tgt Ion:202 Resp: 103996
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.7
203 18.2 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141396.D
Acq: 04 Feb 2025 03:28

Tgt Ion:240 Resp: 161564
Ion Ratio Lower Upper
240 100
120 10.1 10.0 15.0
236 25.2 19.7 29.5





#78

Pyrene

Concen: 8.143 ng

RT: 12.757 min Scan# 1813

Delta R.T. -0.012 min

Lab File: BF141396.D

Acq: 04 Feb 2025 03:28

Instrument :

BNA_F

ClientSampleId :

OK-02-01312025

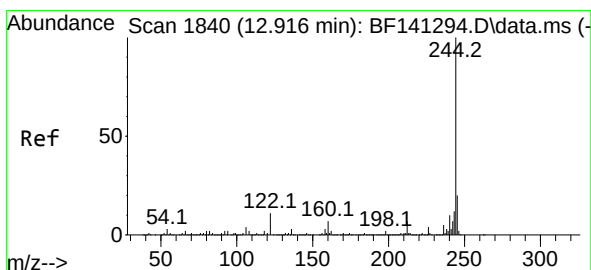
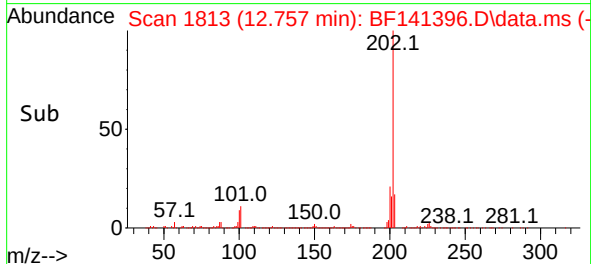
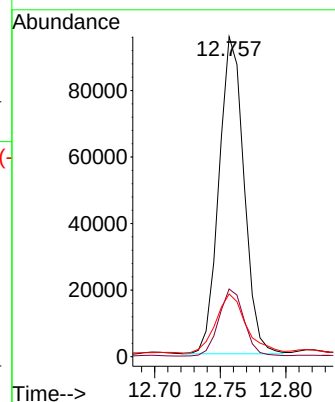
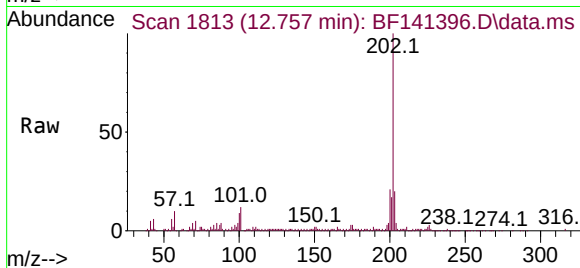
Tgt Ion:202 Resp: 126281

Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

203 19.6 14.3 21.5



#79

Terphenyl-d14

Concen: 5.998 ng

RT: 12.904 min Scan# 1838

Delta R.T. -0.012 min

Lab File: BF141396.D

Acq: 04 Feb 2025 03:28

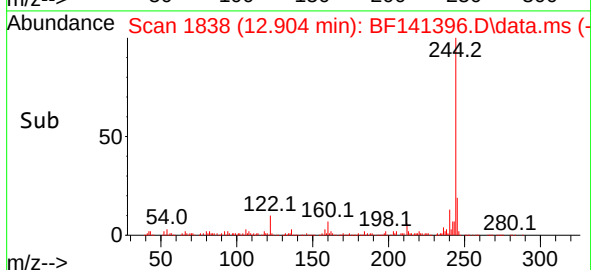
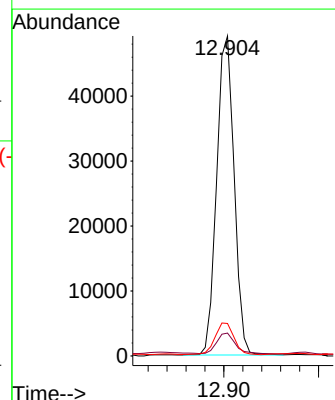
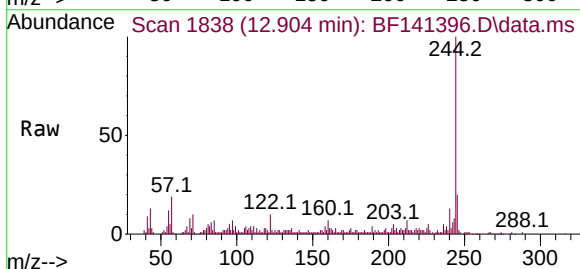
Tgt Ion:244 Resp: 62838

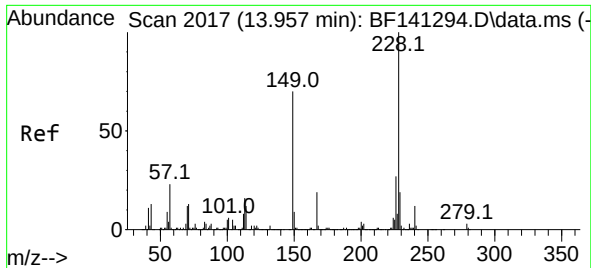
Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

122 10.2 8.8 13.2

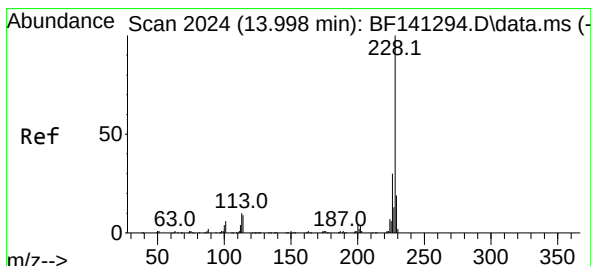
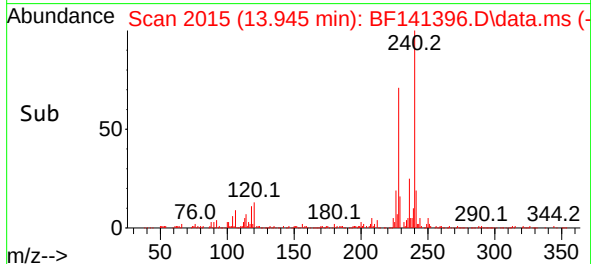
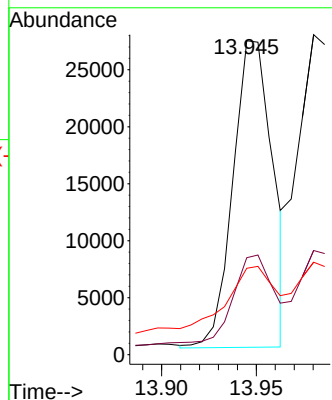
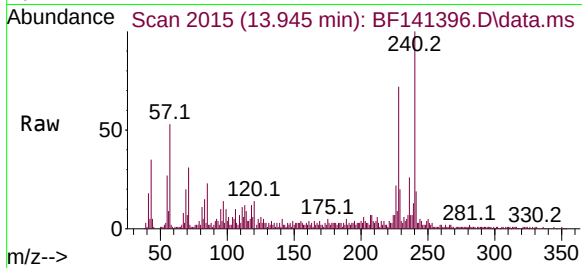




#81
Benzo(a)anthracene
Concen: 3.513 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.018 min
Lab File: BF141396.D
Acq: 04 Feb 2025 03:28

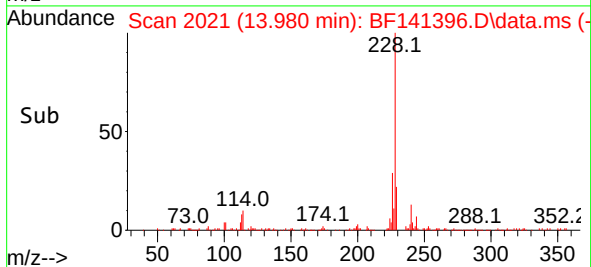
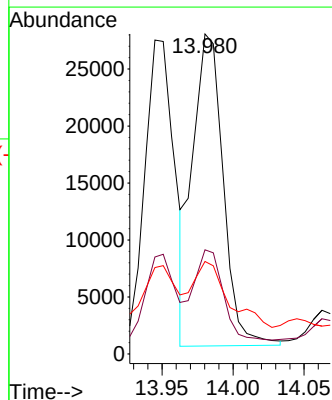
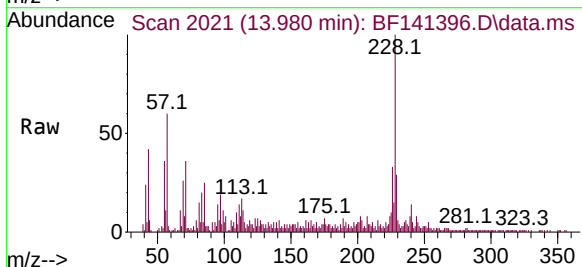
Instrument :
BNA_F
ClientSampleId :
OK-02-01312025

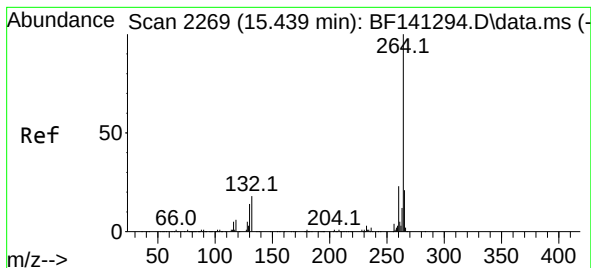
Tgt Ion:228 Resp: 39166
Ion Ratio Lower Upper
228 100
226 30.9 21.4 32.2
229 27.5 15.5 23.3#



#83
Chrysene
Concen: 4.006 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.018 min
Lab File: BF141396.D
Acq: 04 Feb 2025 03:28

Tgt Ion:228 Resp: 40934
Ion Ratio Lower Upper
228 100
226 32.5 24.1 36.1
229 28.9 15.6 23.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF141396.D

Acq: 04 Feb 2025 03:28

Instrument :

BNA_F

ClientSampleId :

OK-02-01312025

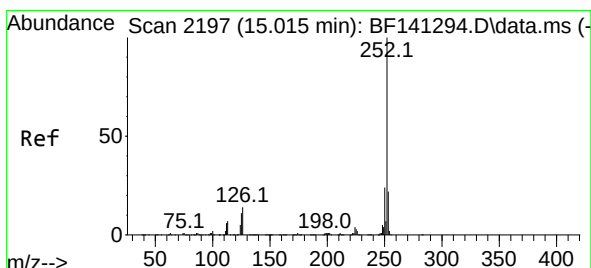
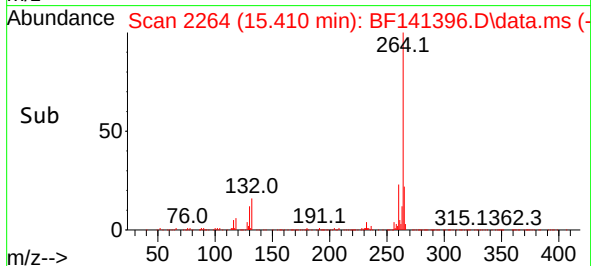
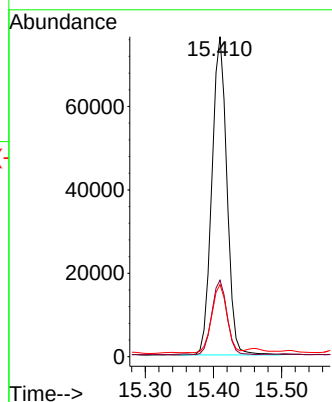
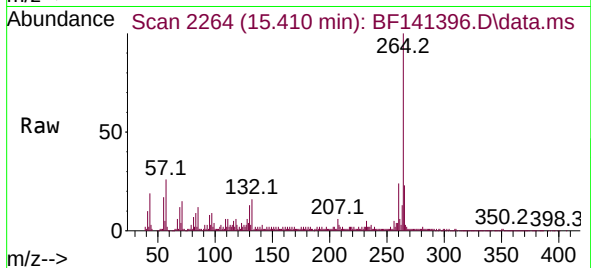
Tgt Ion:264 Resp: 117327

Ion Ratio Lower Upper

264 100

260 23.9 18.6 27.8

265 22.6 16.7 25.1



#88

Benzo(b)fluoranthene

Concen: 4.268 ng

RT: 14.992 min Scan# 2193

Delta R.T. -0.030 min

Lab File: BF141396.D

Acq: 04 Feb 2025 03:28

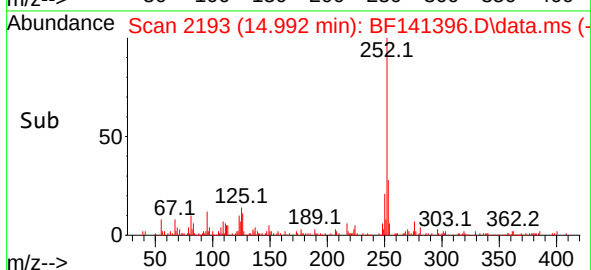
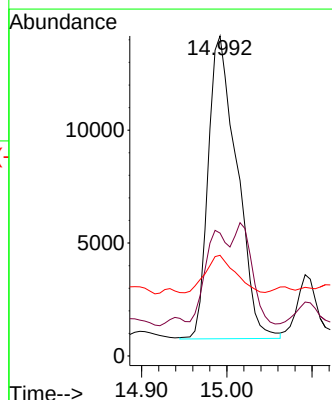
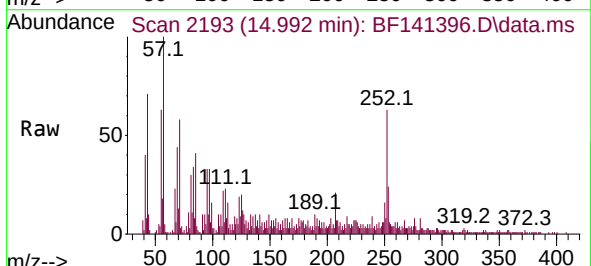
Tgt Ion:252 Resp: 31496

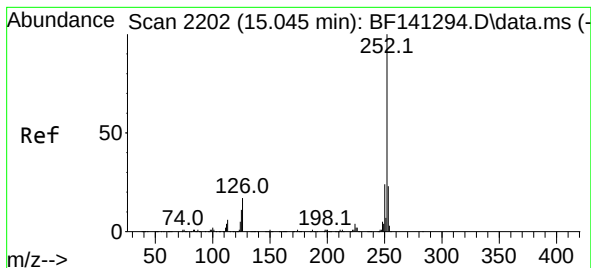
Ion Ratio Lower Upper

252 100

253 38.4 17.4 26.2#

125 31.5 8.6 12.8#





#89

Benzo(k)fluoranthene

Concen: 4.780 ng

RT: 14.992 min Scan# 21

Delta R.T. -0.059 min

Lab File: BF141396.D

Acq: 04 Feb 2025 03:28

Instrument :

BNA_F

ClientSampleId :

OK-02-01312025

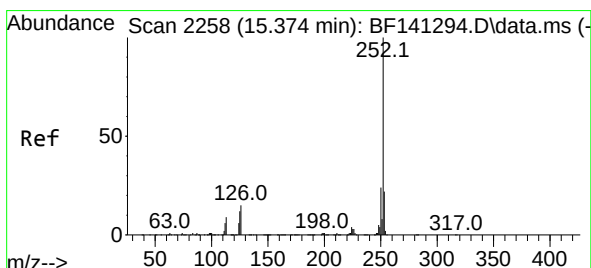
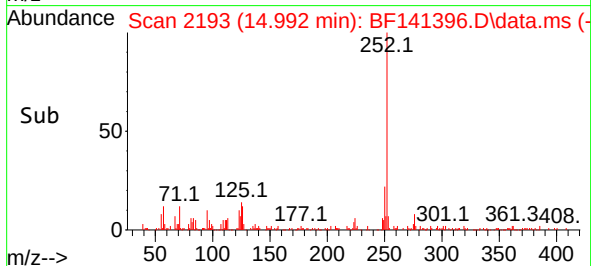
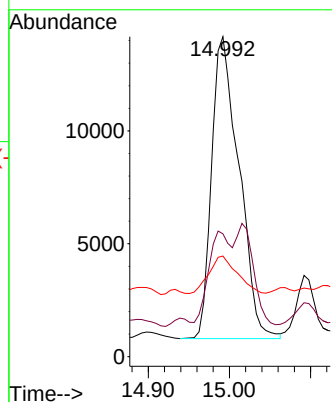
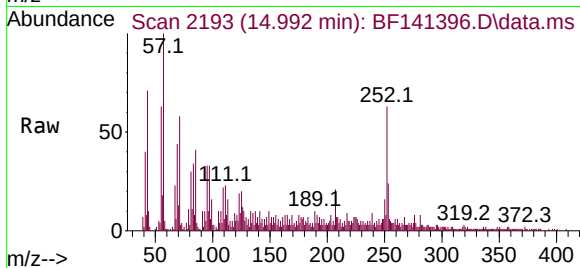
Tgt Ion:252 Resp: 31254

Ion Ratio Lower Upper

252 100

253 38.4 17.6 26.4#

125 31.5 8.4 12.6#



#90

Benzo(a)pyrene

Concen: 3.210 ng

RT: 15.345 min Scan# 2253

Delta R.T. -0.035 min

Lab File: BF141396.D

Acq: 04 Feb 2025 03:28

Tgt Ion:252 Resp: 20018

Ion Ratio Lower Upper

252 100

253 30.5 17.2 25.8#

125 28.1 9.4 14.2#

