

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012425\
 Data File : BF141264.D
 Acq On : 24 Jan 2025 16:02
 Operator : RC/JU
 Sample : Q1170-01 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-01232025

Quant Time: Jan 25 01:02:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

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

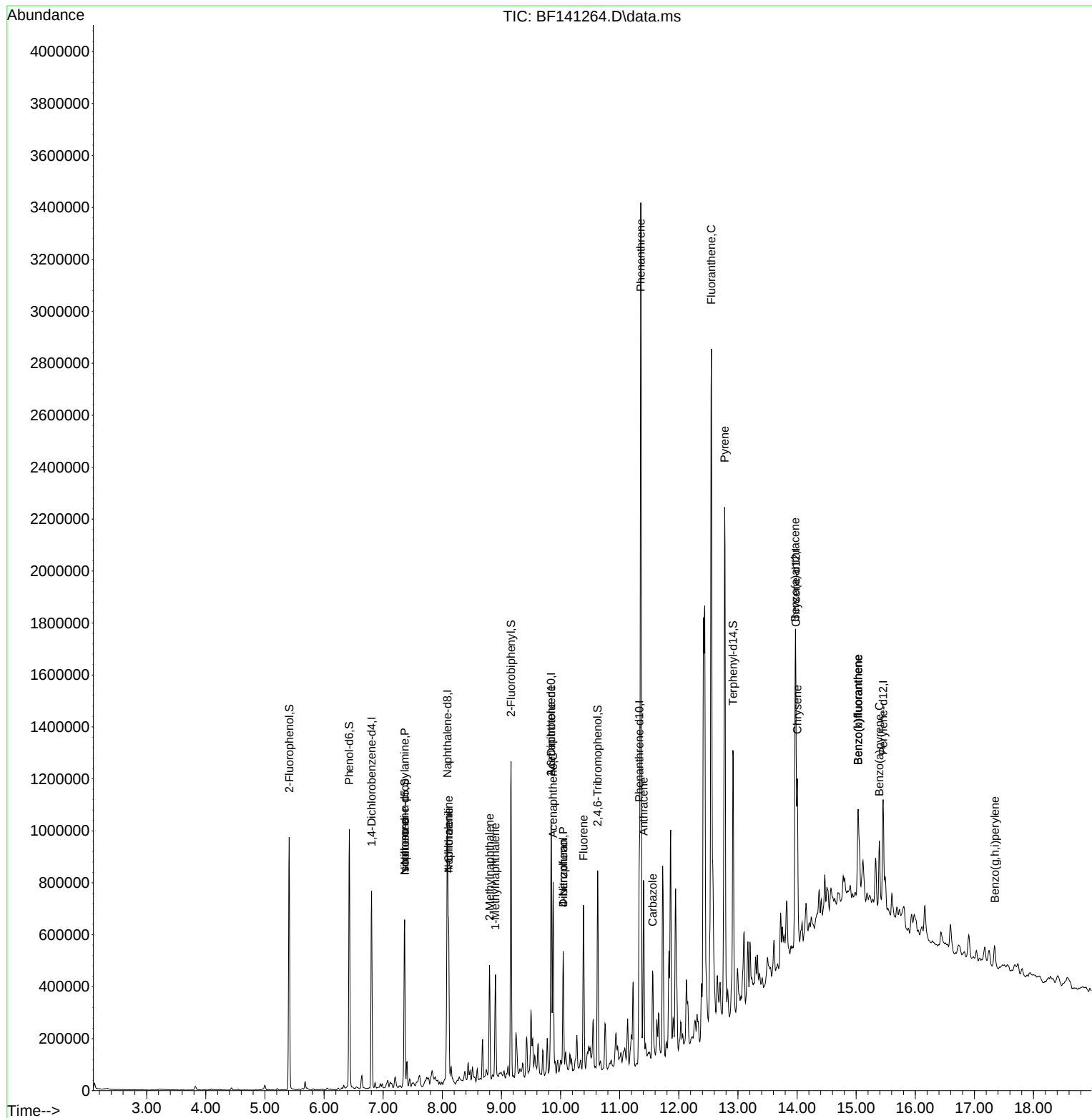
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	156273	20.000	ng	-0.02
21) Naphthalene-d8	8.087	136	593216	20.000	ng	-0.02
39) Acenaphthene-d10	9.839	164	289375	20.000	ng	-0.02
64) Phenanthrene-d10	11.333	188	418406	20.000	ng	-0.01
76) Chrysene-d12	13.980	240	344925	20.000	ng	0.00
86) Perylene-d12	15.457	264	254791	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	374347	37.005	ng	-0.02
7) Phenol-d6	6.428	99	465487	36.326	ng	-0.02
23) Nitrobenzene-d5	7.363	82	283239	25.310	ng	-0.02
42) 2,4,6-Tribromophenol	10.628	330	111509	33.819	ng	-0.02
45) 2-Fluorobiphenyl	9.163	172	529768	27.956	ng	-0.02
79) Terphenyl-d14	12.916	244	502542	21.655	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.363	70	39526	5.236	ng	# 75
25) Isophorone	7.363	82	279716	14.626	ng	# 66
31) Naphthalene	8.104	128	363055	11.605	ng	100
33) 4-Chloroaniline	8.104	127	49403	4.566	ng	# 34
37) 2-Methylnaphthalene	8.798	142	163954	8.224	ng	100
38) 1-Methylnaphthalene	8.898	142	143051	7.281	ng	100
51) 2,6-Dinitrotoluene	9.839	165	41736	9.238	ng	# 28
52) Acenaphthene	9.875	154	218799	12.523	ng	97
55) Dibenzofuran	10.045	168	212237	8.931	ng	98
56) 4-Nitrophenol	10.045	139	82470	22.938	ng	# 11
58) Fluorene	10.386	166	254978	13.810	ng	99
71) Phenanthrene	11.357	178	1793229	79.831	ng	100
72) Anthracene	11.404	178	381916	17.486	ng	99
73) Carbazole	11.557	167	193725	9.673	ng	100
75) Fluoranthene	12.551	202	1372938	61.249	ng	98
78) Pyrene	12.774	202	1136273	34.490	ng	98
81) Benzo(a)anthracene	13.969	228	414762	17.669	ng	97
83) Chrysene	14.004	228	336472	15.319	ng	98
88) Benzo(b)fluoranthene	15.033	252	304061	18.507	ng	# 93
89) Benzo(k)fluoranthene	15.033	252	304061	21.899	ng	# 93
90) Benzo(a)pyrene	15.392	252	163176	12.038	ng	# 95
92) Benzo(g,h,i)perylene	17.345	276	68712	4.375	ng	93

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

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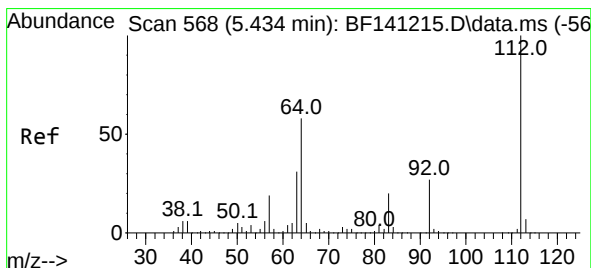
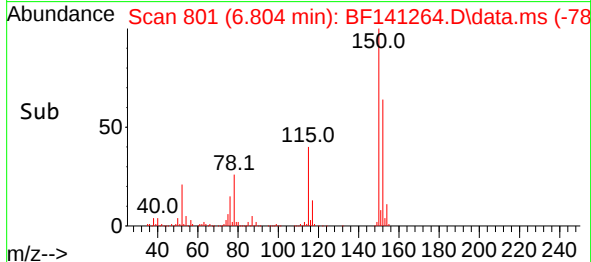
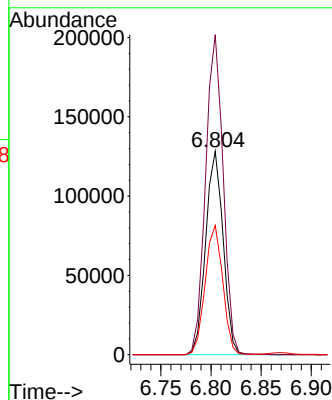
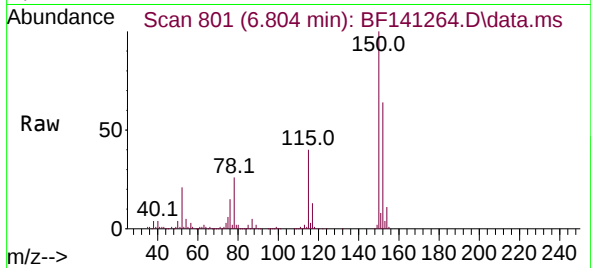




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 802
Delta R.T. -0.018 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

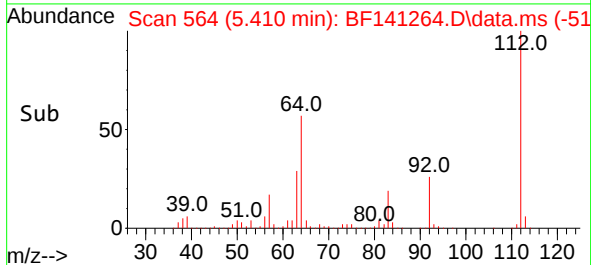
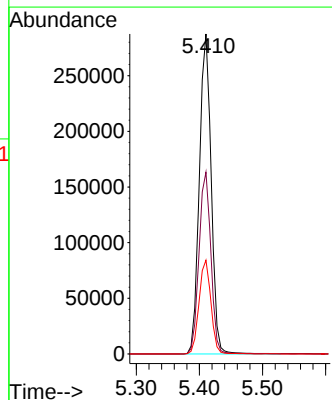
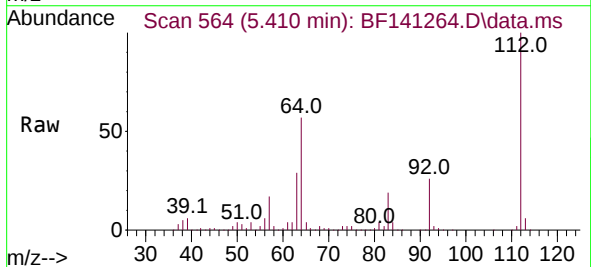
Instrument :
BNA_F
ClientSampleId :
OR-03-01232025

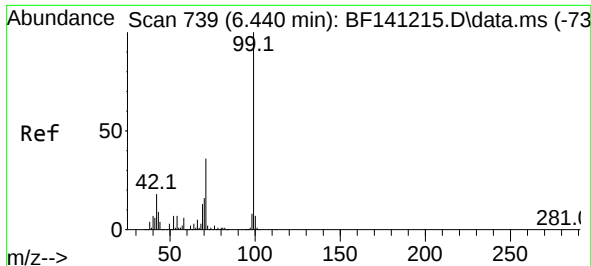
Tgt Ion:152 Resp: 156273
Ion Ratio Lower Upper
152 100
150 157.4 125.8 188.8
115 63.6 51.4 77.2



#5
2-Fluorophenol
Concen: 37.005 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.018 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

Tgt Ion:112 Resp: 374347
Ion Ratio Lower Upper
112 100
64 56.8 47.3 70.9
63 29.3 24.2 36.2

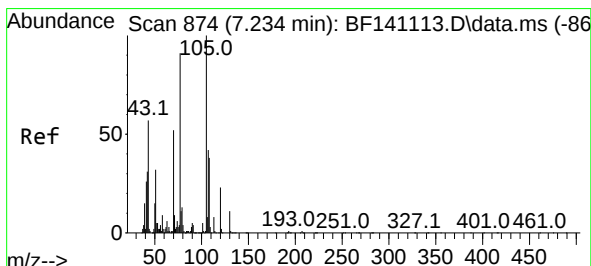
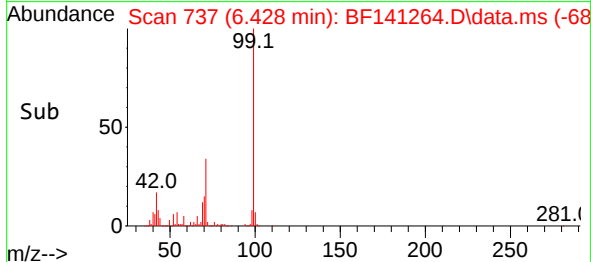
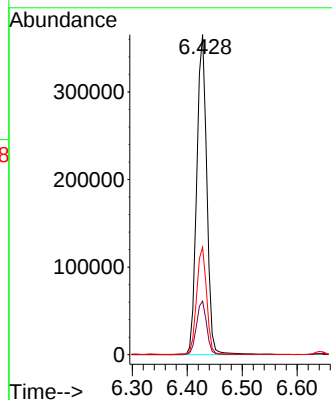
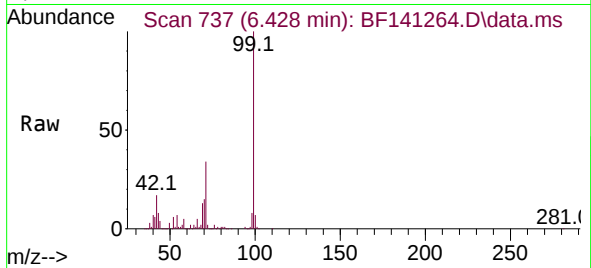




#7
Phenol-d6
Concen: 36.326 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

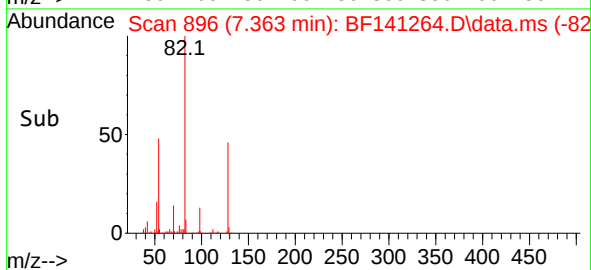
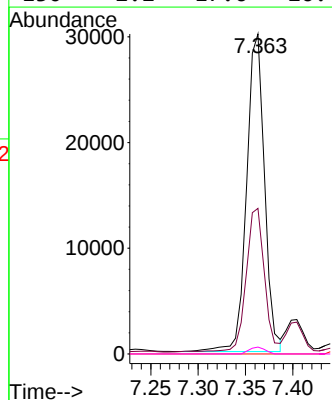
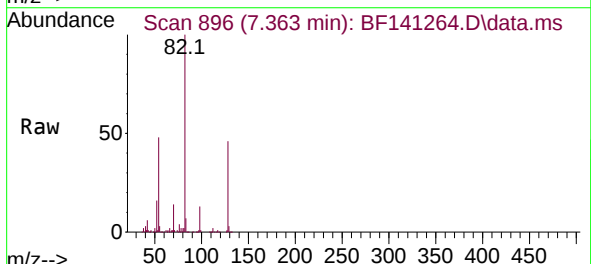
Instrument :
BNA_F
ClientSampleId :
OR-03-01232025

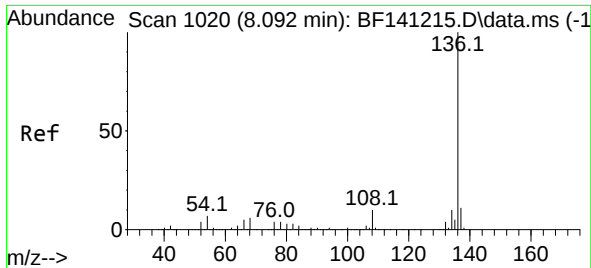
Tgt Ion: 99 Resp: 465487
Ion Ratio Lower Upper
99 100
42 16.8 15.0 22.4
71 33.6 27.6 41.4



#19
n-Nitroso-di-n-propylamine
Concen: 5.236 ng
RT: 7.363 min Scan# 896
Delta R.T. 0.129 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

Tgt Ion: 70 Resp: 39526
Ion Ratio Lower Upper
70 100
42 45.5 47.8 71.6#
101 0.0 7.9 11.9#
130 2.2 17.6 26.4#

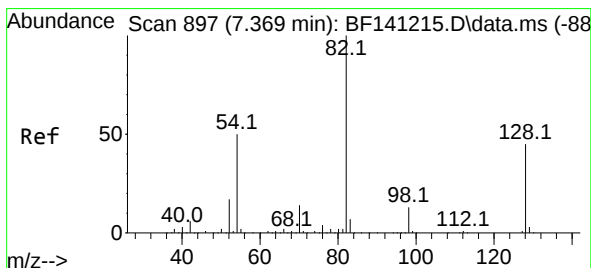
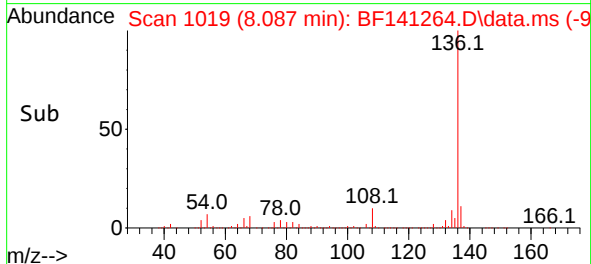
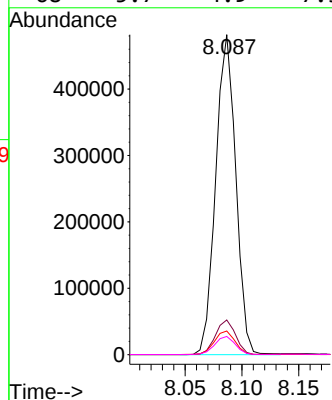
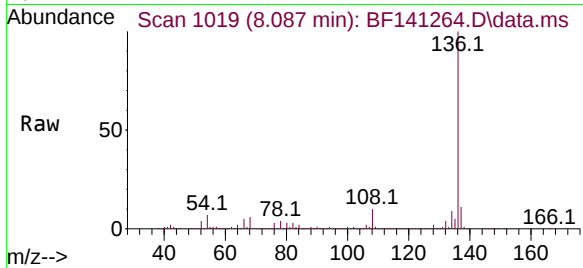




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.087 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

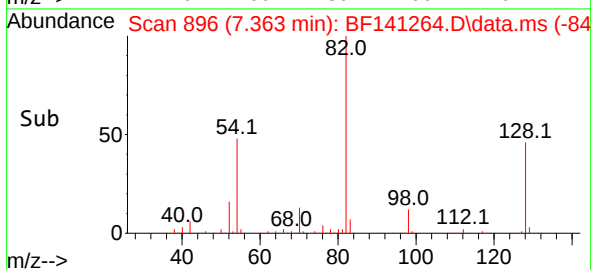
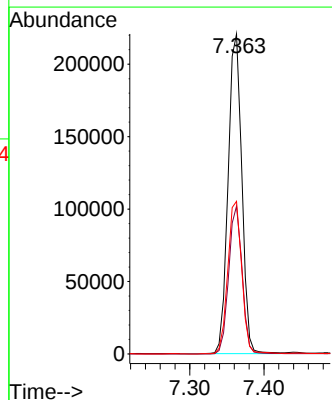
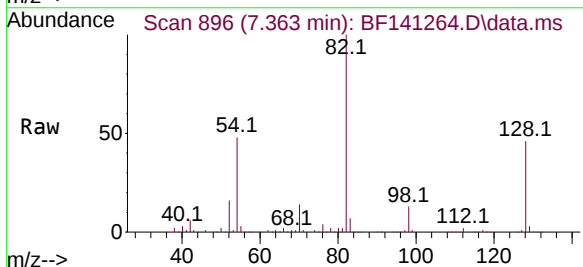
Instrument :
BNA_F
ClientSampleId :
OR-03-01232025

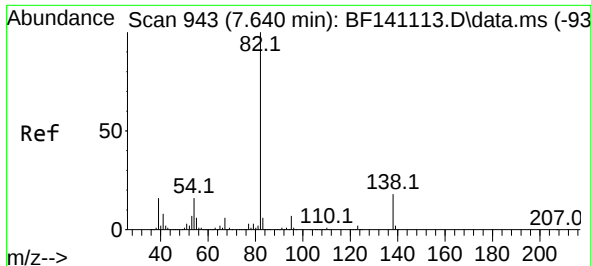
Tgt Ion:136	Resp: 593216
Ion Ratio	Lower Upper
136 100	
137 10.9	8.8 13.2
54 7.4	6.3 9.5
68 5.7	4.9 7.3



#23
Nitrobenzene-d5
Concen: 25.310 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.024 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

Tgt Ion: 82	Resp: 283239
Ion Ratio	Lower Upper
82 100	
128 46.2	36.1 54.1
54 47.7	41.0 61.4

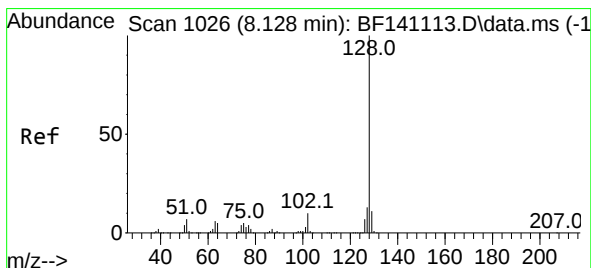
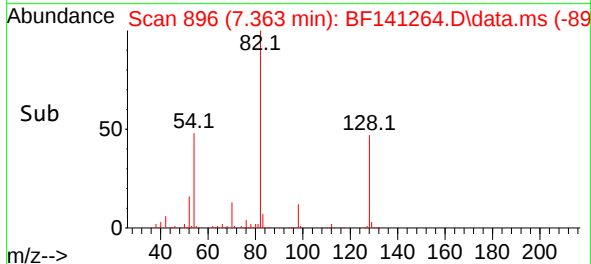
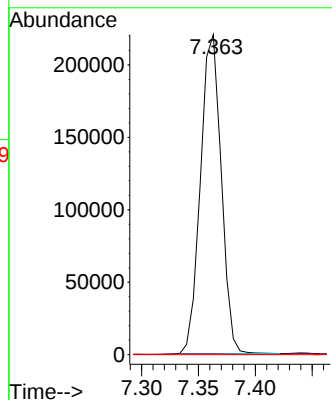
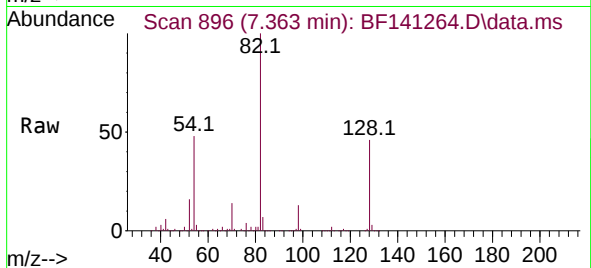




#25
Isophorone
Concen: 14.626 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.276 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

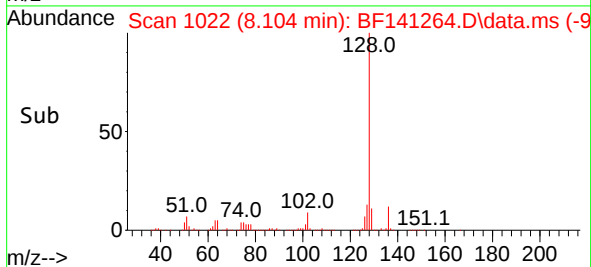
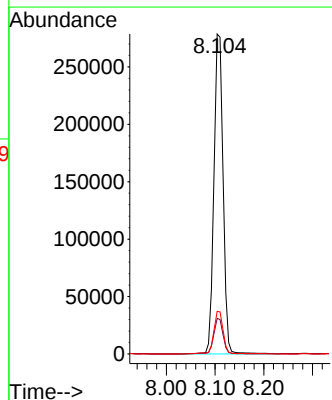
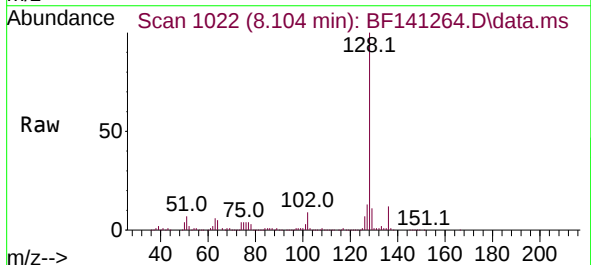
Instrument :
BNA_F
ClientSampleId :
OR-03-01232025

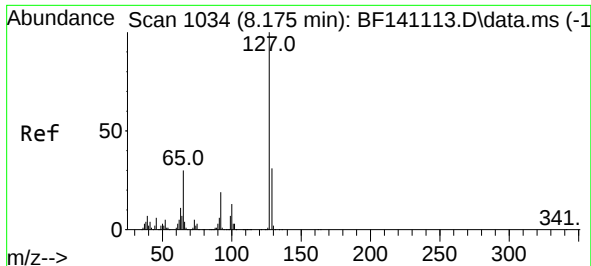
Tgt Ion: 82 Resp: 279716
Ion Ratio Lower Upper
82 100
95 0.2 5.9 8.9#
138 0.0 14.2 21.2#



#31
Naphthalene
Concen: 11.605 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.024 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

Tgt Ion: 128 Resp: 363055
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.6
127 13.3 10.8 16.2

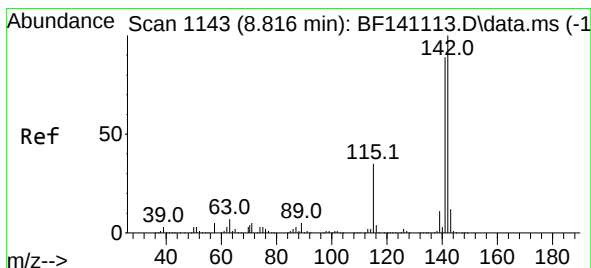
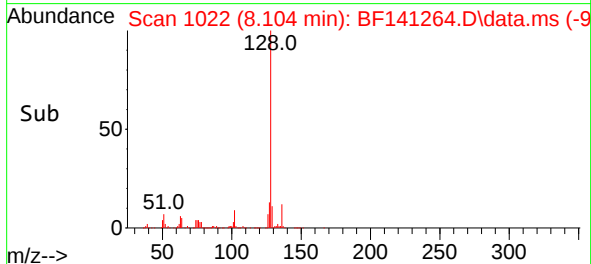
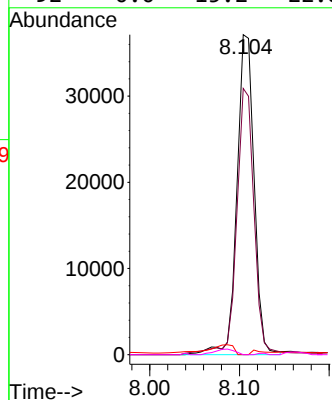
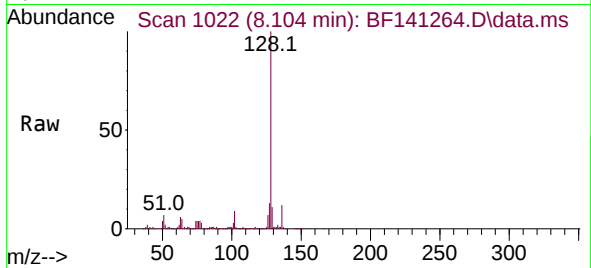




#33
4-Chloroaniline
Concen: 4.566 ng
RT: 8.104 min Scan# 110
Delta R.T. -0.071 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

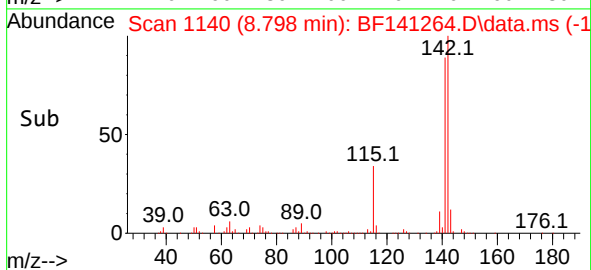
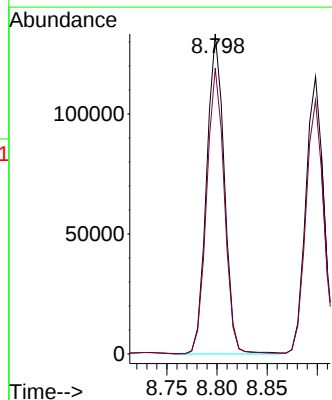
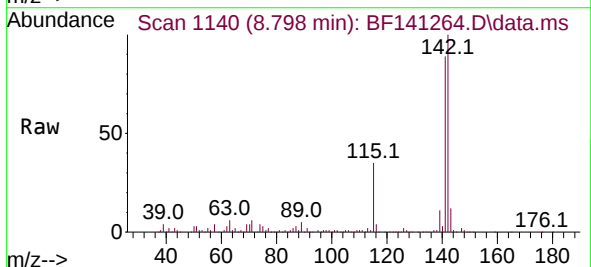
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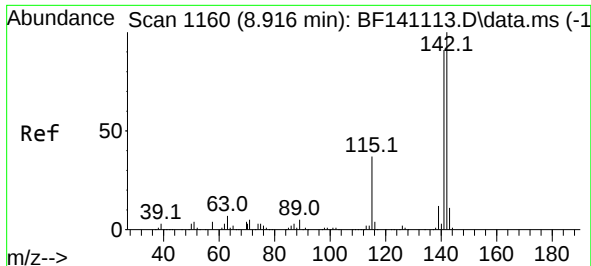
Tgt Ion:127	Resp:	49403
Ion	Ratio	Lower Upper
127	100	
129	83.2	25.9 38.9#
65	0.0	23.8 35.8#
92	0.0	15.2 22.8#



#37
2-Methylnaphthalene
Concen: 8.224 ng
RT: 8.798 min Scan# 1140
Delta R.T. -0.018 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

Tgt Ion:142	Resp:	163954
Ion	Ratio	Lower Upper
142	100	
141	89.3	71.3 106.9

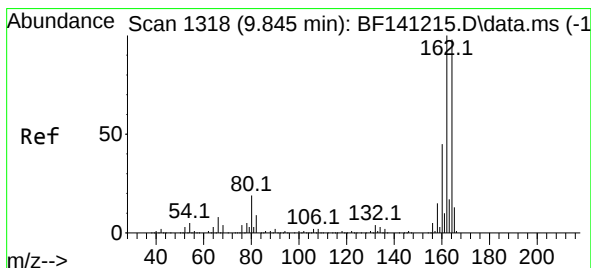
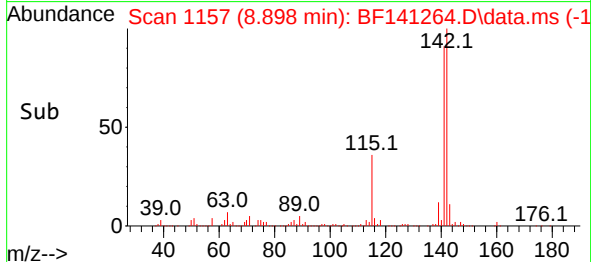
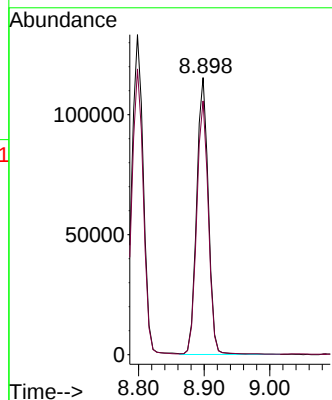
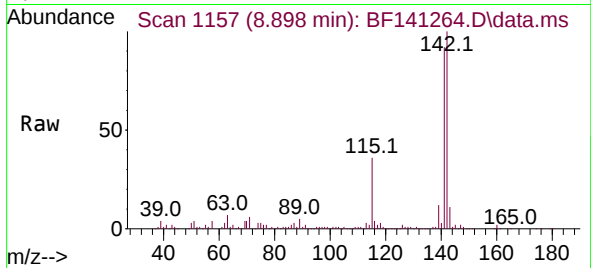




#38
1-Methylnaphthalene
Concen: 7.281 ng
RT: 8.898 min Scan# 1160
Delta R.T. -0.018 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

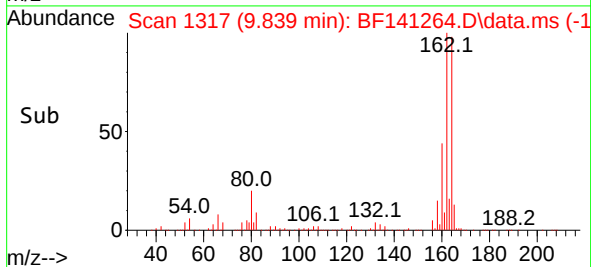
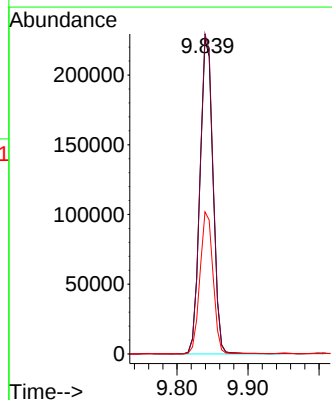
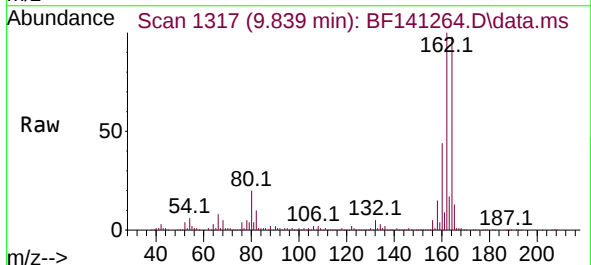
Instrument : BNA_F
ClientSampleId : OR-03-01232025

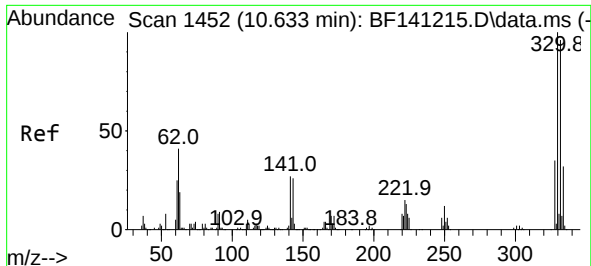
Tgt Ion:142 Resp: 143051
Ion Ratio Lower Upper
142 100
141 91.5 73.1 109.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1317
Delta R.T. -0.024 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

Tgt Ion:164 Resp: 289375
Ion Ratio Lower Upper
164 100
162 101.7 81.0 121.4
160 45.2 36.1 54.1





#42

2,4,6-Tribromophenol

Concen: 33.819 ng

RT: 10.628 min Scan# 1452

Delta R.T. -0.024 min

Lab File: BF141264.D

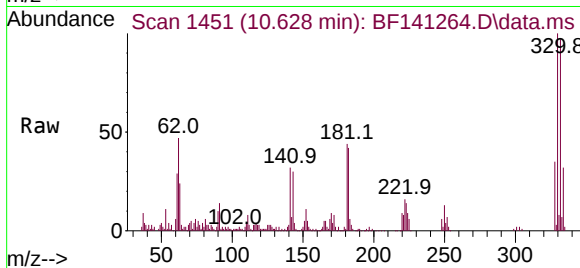
Acq: 24 Jan 2025 16:02

Instrument :

BNA_F

ClientSampleId :

OR-03-01232025



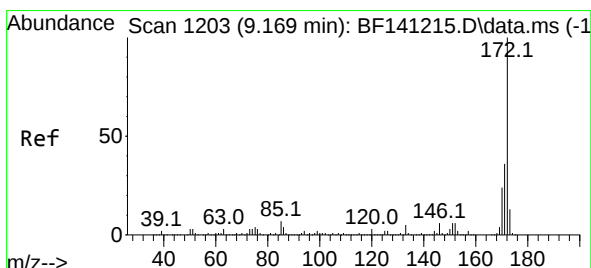
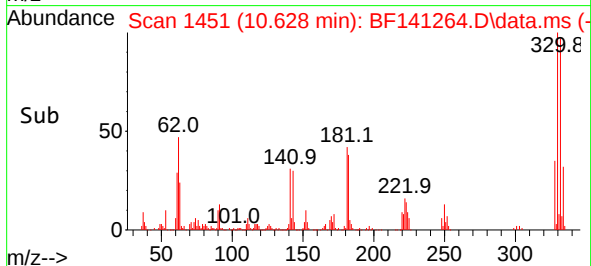
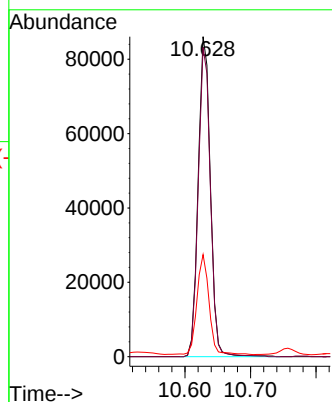
Tgt Ion:330 Resp: 111509

Ion Ratio Lower Upper

330 100

332 96.4 76.9 115.3

141 31.0 25.2 37.8



#45

2-Fluorobiphenyl

Concen: 27.956 ng

RT: 9.163 min Scan# 1202

Delta R.T. -0.018 min

Lab File: BF141264.D

Acq: 24 Jan 2025 16:02

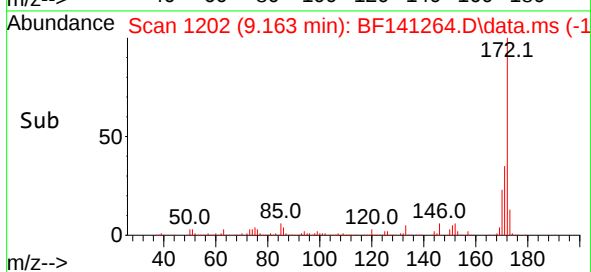
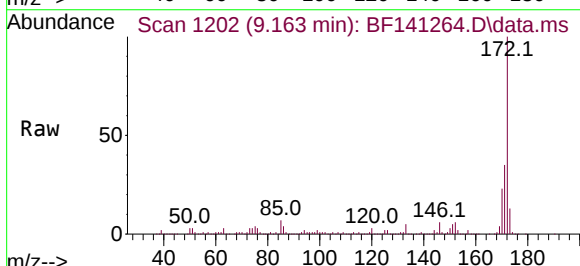
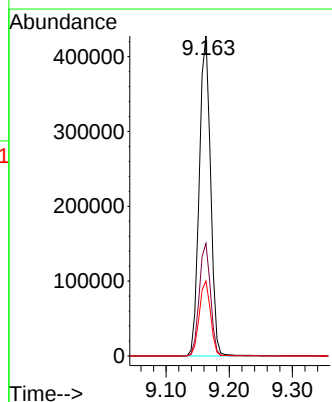
Tgt Ion:172 Resp: 529768

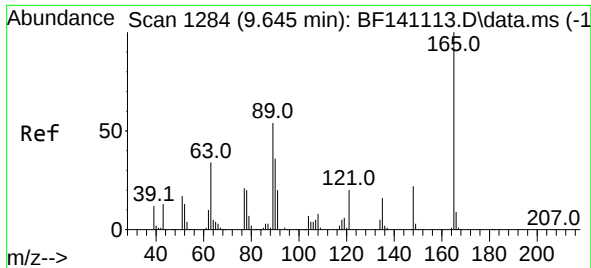
Ion Ratio Lower Upper

172 100

171 35.2 28.7 43.1

170 23.4 19.0 28.6

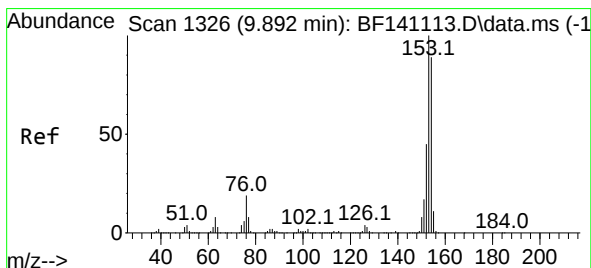
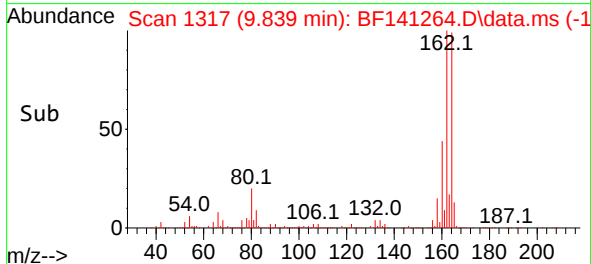
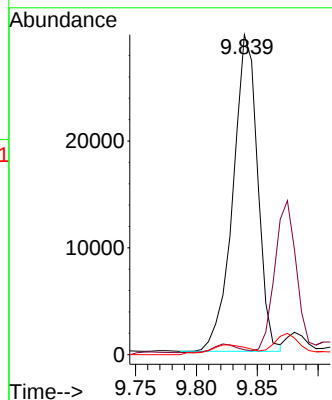
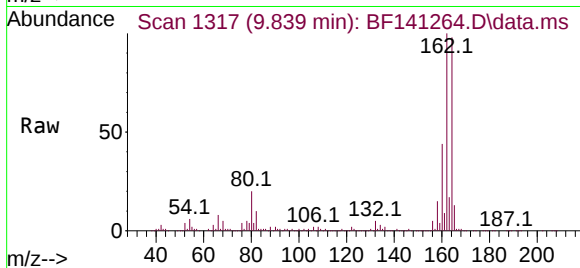




#51
2,6-Dinitrotoluene
Concen: 9.238 ng
RT: 9.839 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

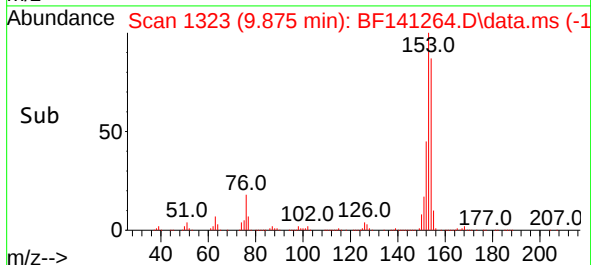
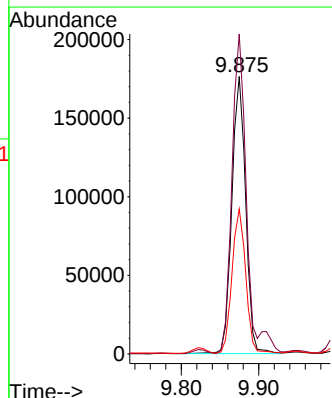
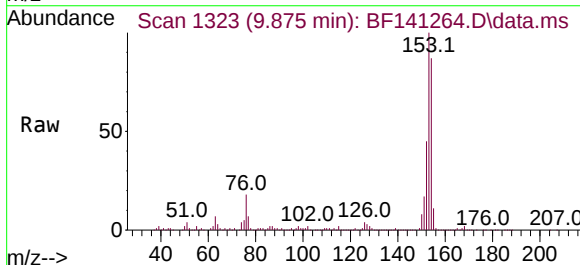
Instrument :
BNA_F
ClientSampleId :
OR-03-01232025

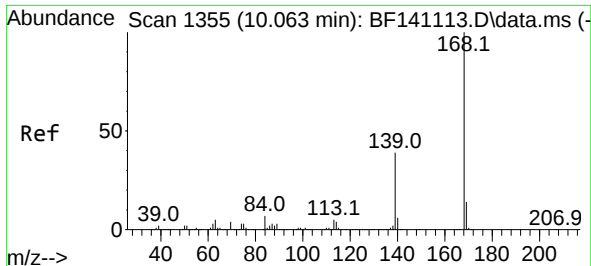
Tgt Ion:165 Resp: 41736
Ion Ratio Lower Upper
165 100
63 1.5 42.3 63.5#
89 2.3 43.1 64.7#



#52
Acenaphthene
Concen: 12.523 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.018 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

Tgt Ion:154 Resp: 218799
Ion Ratio Lower Upper
154 100
153 115.3 89.8 134.6
152 52.3 40.8 61.2

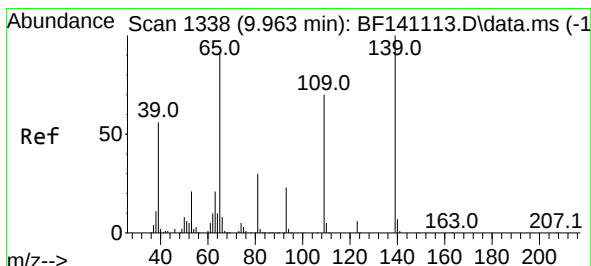
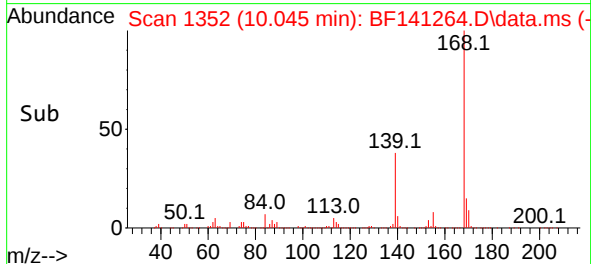
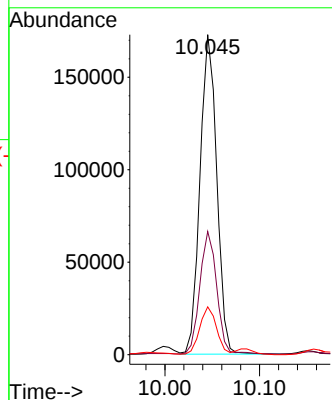
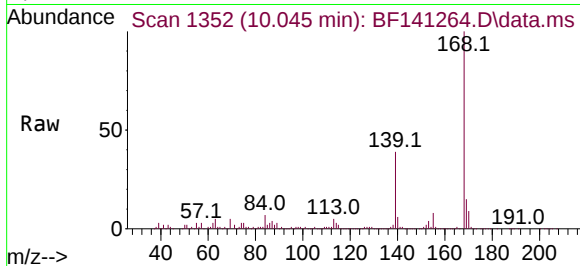




#55
Dibenzenofuran
Concen: 8.931 ng
RT: 10.045 min Scan# 1352
Delta R.T. -0.018 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

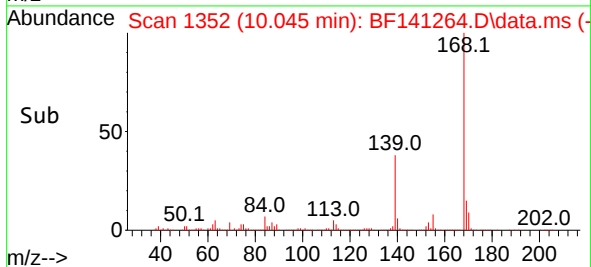
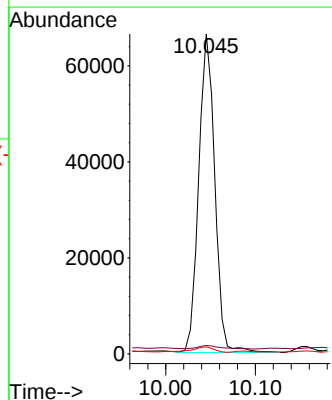
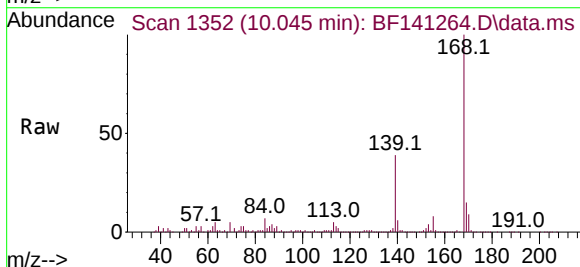
Instrument :
BNA_F
ClientSampleId :
OR-03-01232025

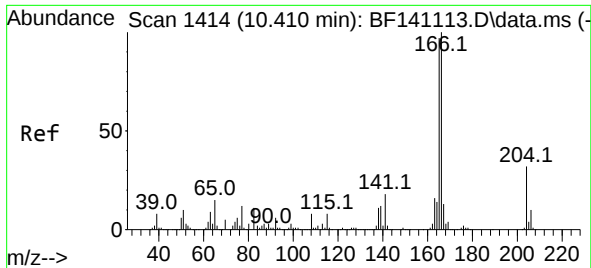
Tgt Ion:168 Resp: 212237
Ion Ratio Lower Upper
168 100
139 38.5 31.4 47.0
169 14.9 10.9 16.3



#56
4-Nitrophenol
Concen: 22.938 ng
RT: 10.045 min Scan# 1352
Delta R.T. 0.082 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

Tgt Ion:139 Resp: 82470
Ion Ratio Lower Upper
139 100
109 2.6 50.2 90.2#
65 2.2 72.1 112.1#

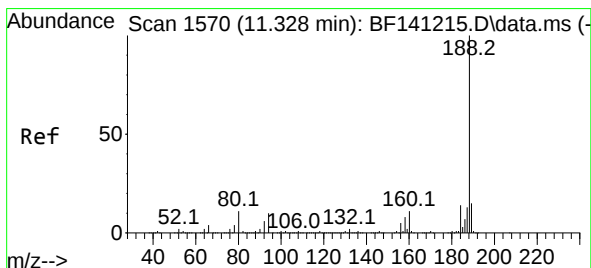
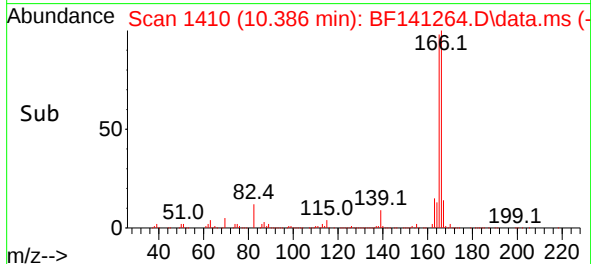
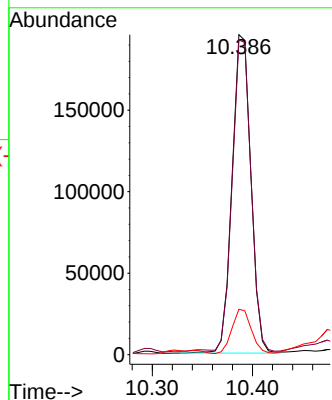
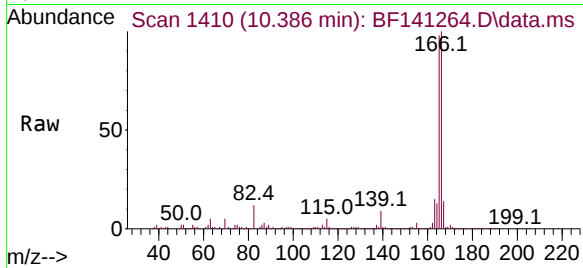




#58
Fluorene
Concen: 13.810 ng
RT: 10.386 min Scan# 1414
Delta R.T. -0.024 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

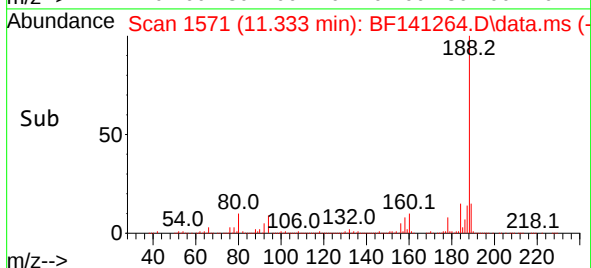
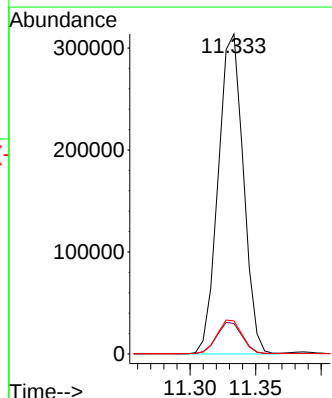
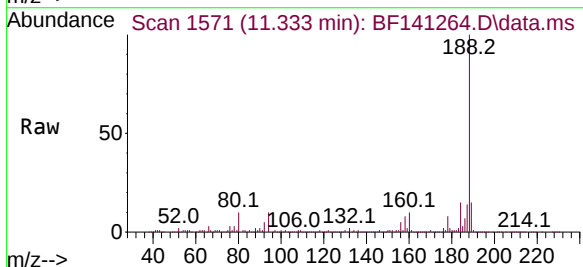
Instrument :
BNA_F
ClientSampleId :
OR-03-01232025

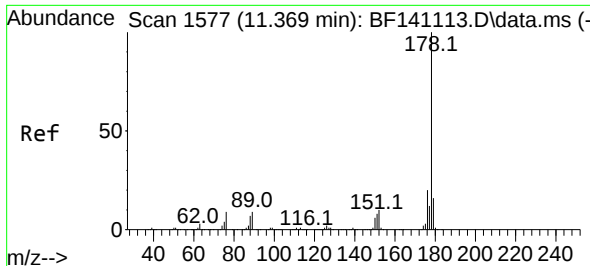
Tgt Ion:166 Resp: 254978
Ion Ratio Lower Upper
166 100
165 98.4 77.8 116.8
167 14.2 10.8 16.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

Tgt Ion:188 Resp: 418406
Ion Ratio Lower Upper
188 100
94 9.6 8.3 12.5
80 10.3 9.0 13.4

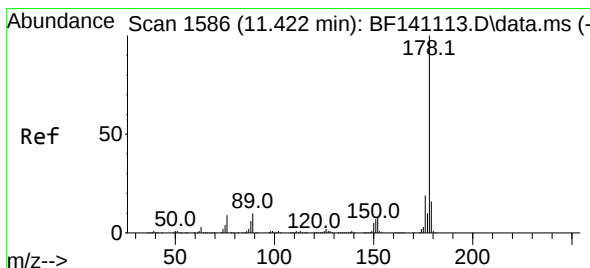
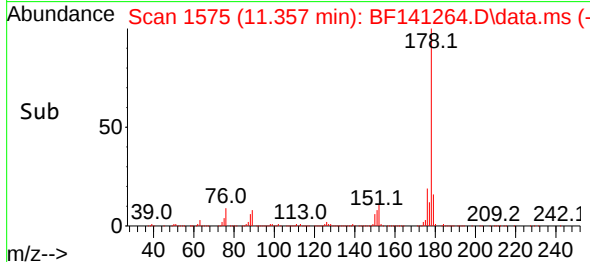
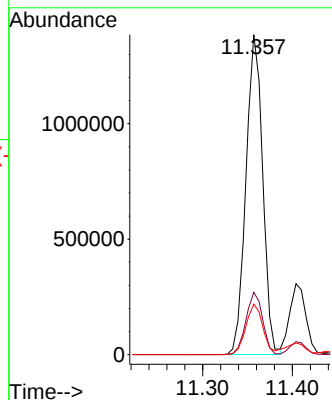
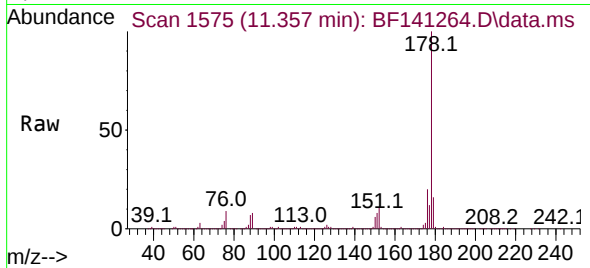




#71
Phenanthrene
Concen: 79.831 ng
RT: 11.357 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

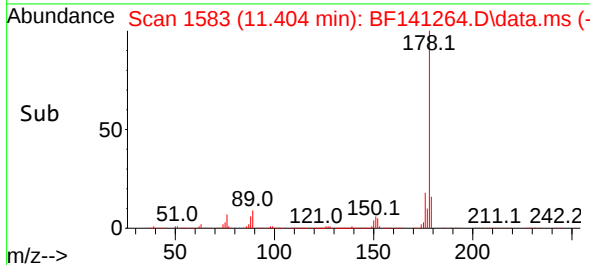
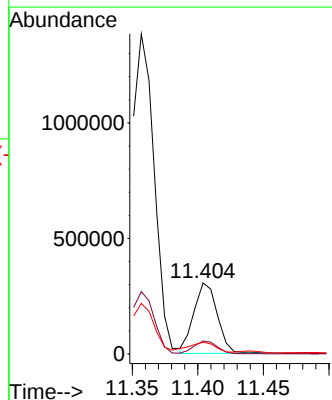
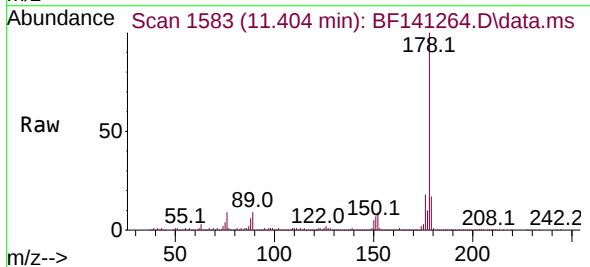
Instrument :
BNA_F
ClientSampleId :
OR-03-01232025

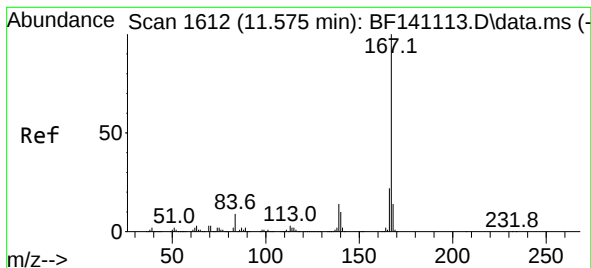
Tgt Ion:178 Resp: 1793229
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.8 12.6 19.0



#72
Anthracene
Concen: 17.486 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.018 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

Tgt Ion:178 Resp: 381916
Ion Ratio Lower Upper
178 100
176 18.3 14.9 22.3
179 16.5 12.6 19.0





#73

Carbazole

Concen: 9.673 ng

RT: 11.557 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141264.D

Acq: 24 Jan 2025 16:02

Instrument :

BNA_F

ClientSampleId :

OR-03-01232025

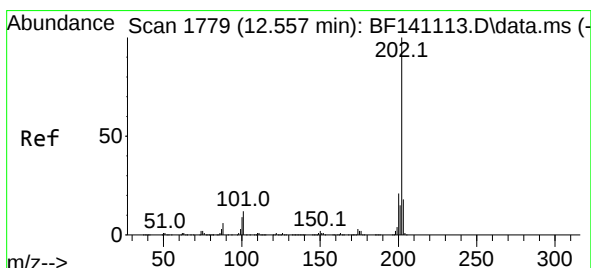
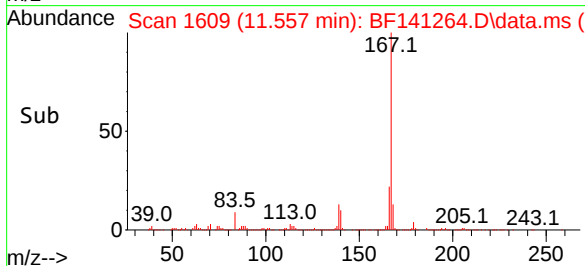
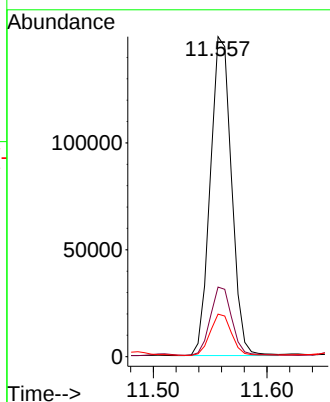
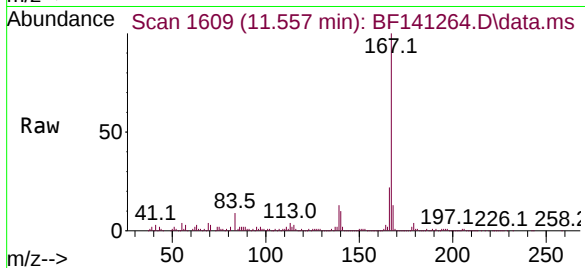
Tgt Ion:167 Resp: 193725

Ion Ratio Lower Upper

167 100

166 21.8 17.4 26.2

139 13.3 10.9 16.3



#75

Fluoranthene

Concen: 61.249 ng

RT: 12.551 min Scan# 1778

Delta R.T. -0.006 min

Lab File: BF141264.D

Acq: 24 Jan 2025 16:02

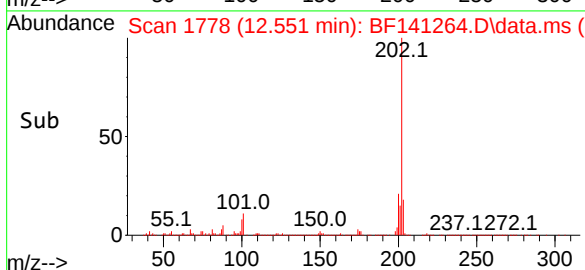
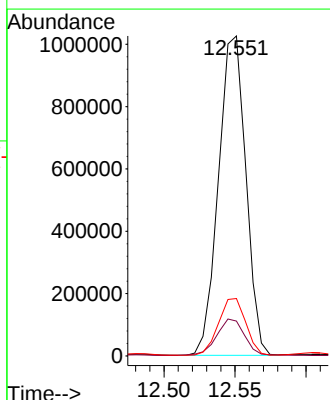
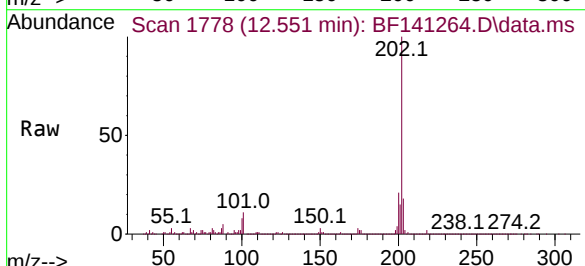
Tgt Ion:202 Resp: 1372938

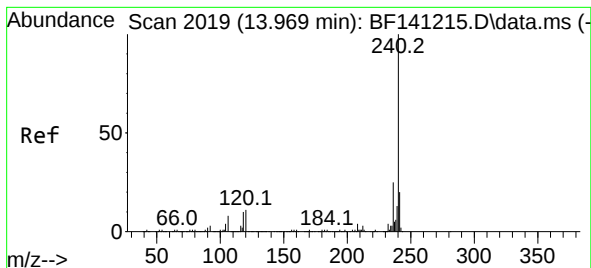
Ion Ratio Lower Upper

202 100

101 10.9 0.0 32.3

203 18.0 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF141264.D

Acq: 24 Jan 2025 16:02

Instrument :

BNA_F

ClientSampleId :

OR-03-01232025

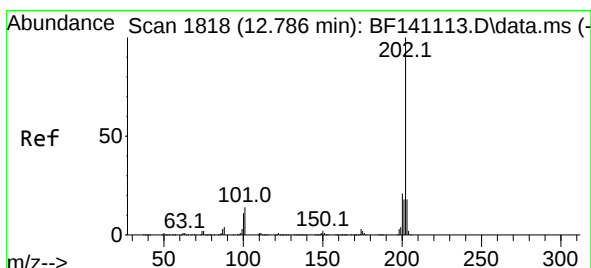
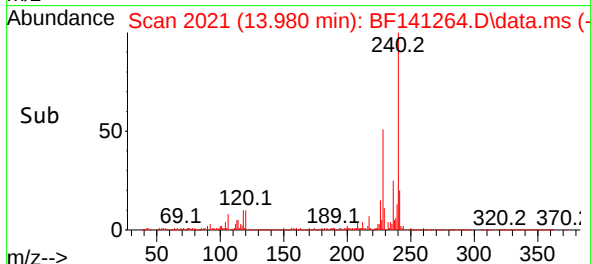
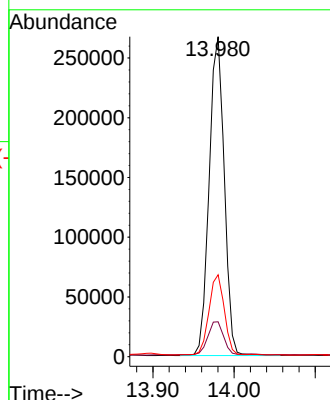
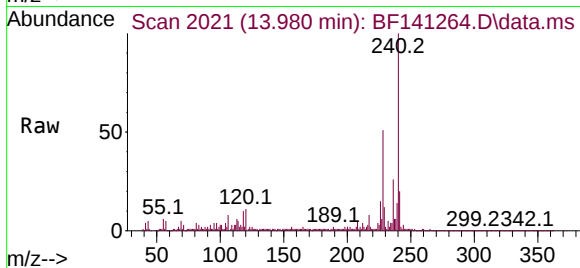
Tgt Ion:240 Resp: 344925

Ion Ratio Lower Upper

240 100

120 10.9 9.1 13.7

236 25.6 19.8 29.6



#78

Pyrene

Concen: 34.490 ng

RT: 12.774 min Scan# 1816

Delta R.T. -0.012 min

Lab File: BF141264.D

Acq: 24 Jan 2025 16:02

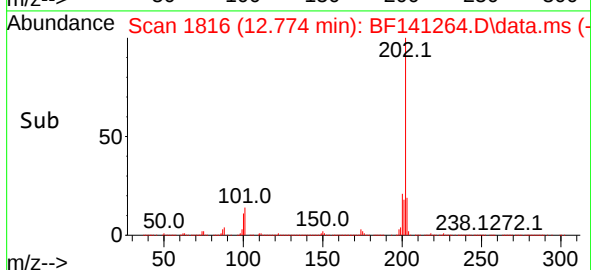
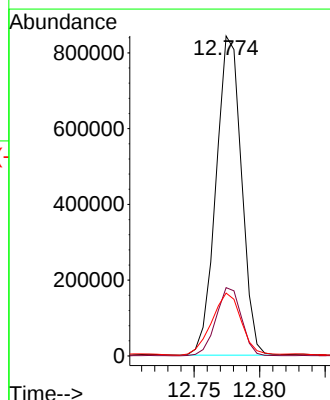
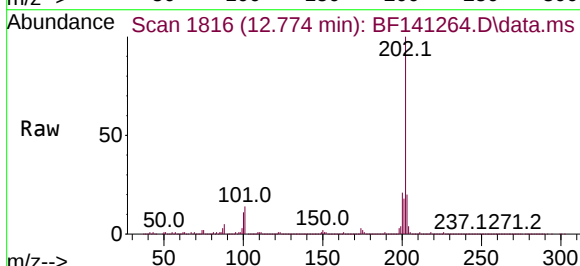
Tgt Ion:202 Resp: 1136273

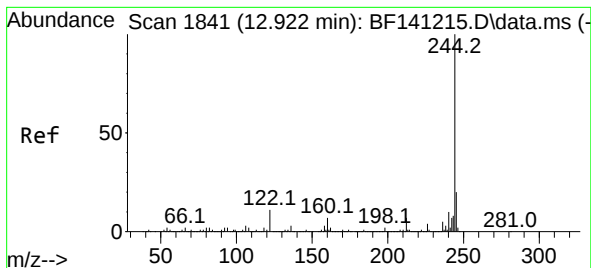
Ion Ratio Lower Upper

202 100

200 21.4 16.8 25.2

203 19.7 14.3 21.5





#79

Terphenyl-d14

Concen: 21.655 ng

RT: 12.916 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF141264.D

Acq: 24 Jan 2025 16:02

Instrument :

BNA_F

ClientSampleId :

OR-03-01232025

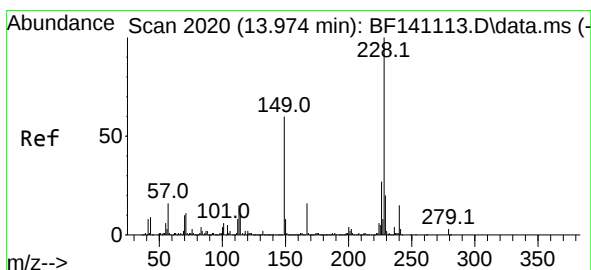
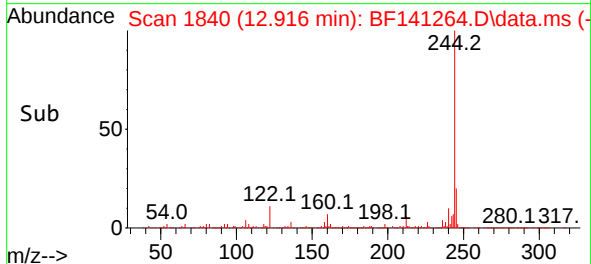
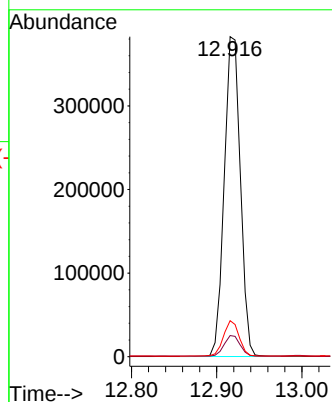
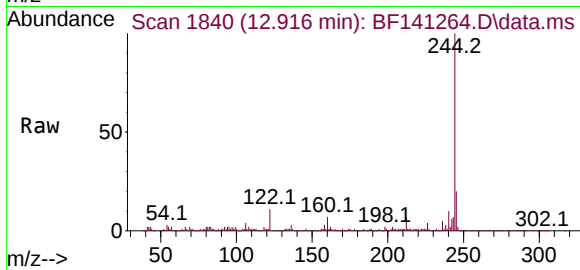
Tgt Ion:244 Resp: 502542

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

122 11.3 8.8 13.2



#81

Benzo(a)anthracene

Concen: 17.669 ng

RT: 13.969 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF141264.D

Acq: 24 Jan 2025 16:02

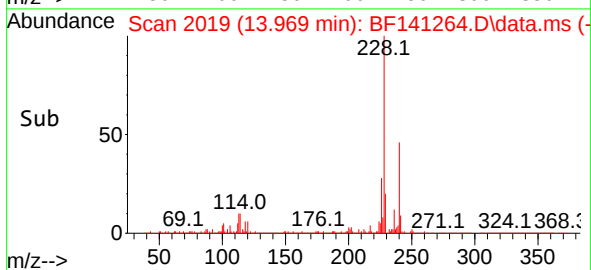
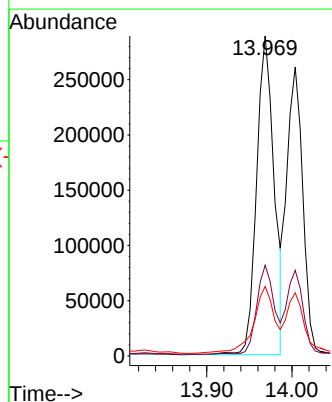
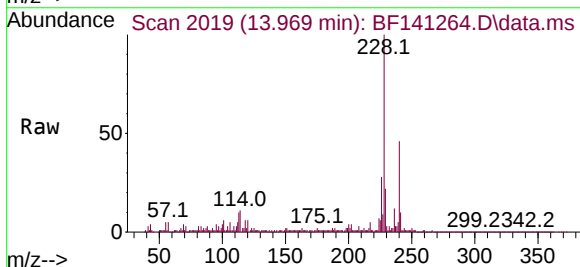
Tgt Ion:228 Resp: 414762

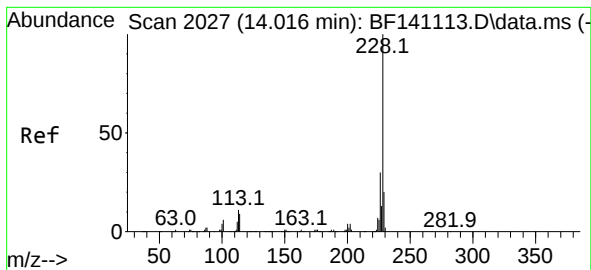
Ion Ratio Lower Upper

228 100

226 28.4 21.7 32.5

229 21.7 15.7 23.5





#83

Chrysene

Concen: 15.319 ng

RT: 14.004 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141264.D

Acq: 24 Jan 2025 16:02

Instrument :

BNA_F

ClientSampleId :

OR-03-01232025

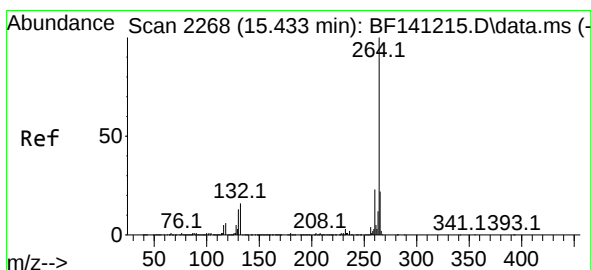
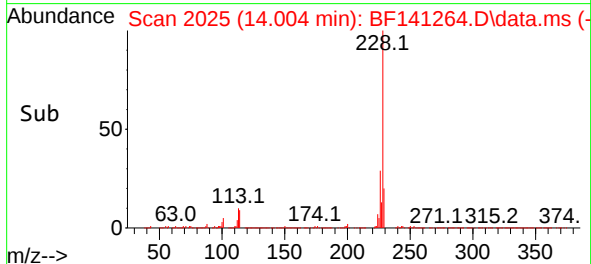
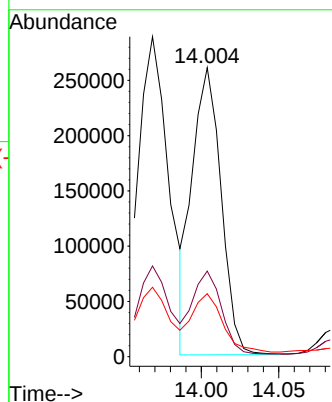
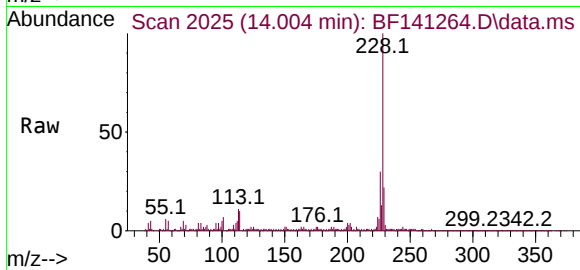
Tgt Ion:228 Resp: 336472

Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.8

229 21.8 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 2272

Delta R.T. 0.018 min

Lab File: BF141264.D

Acq: 24 Jan 2025 16:02

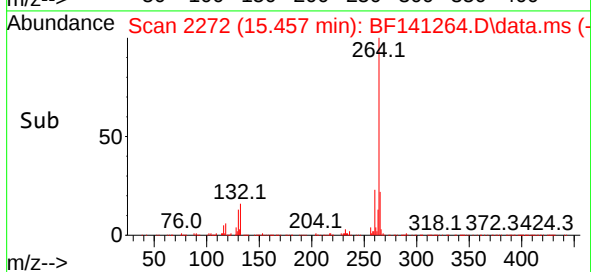
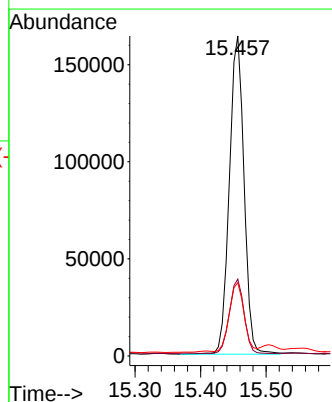
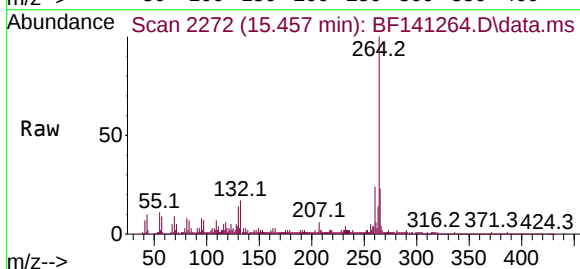
Tgt Ion:264 Resp: 254791

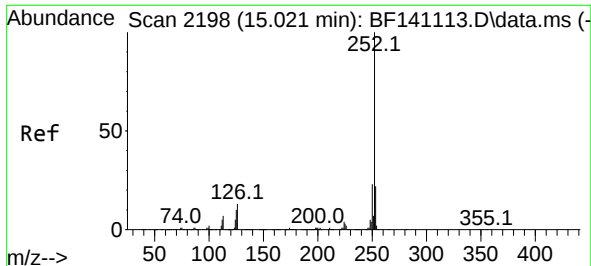
Ion Ratio Lower Upper

264 100

260 24.0 18.6 28.0

265 22.9 17.4 26.0

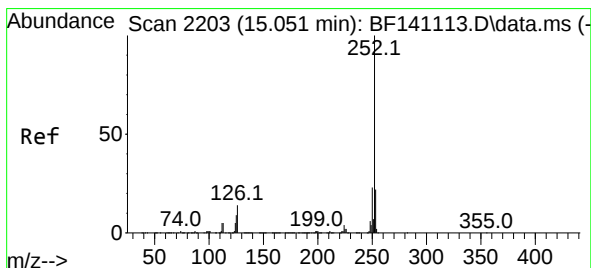
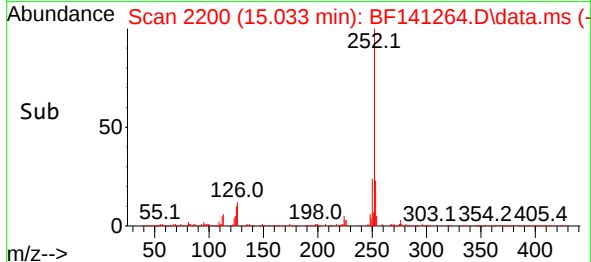
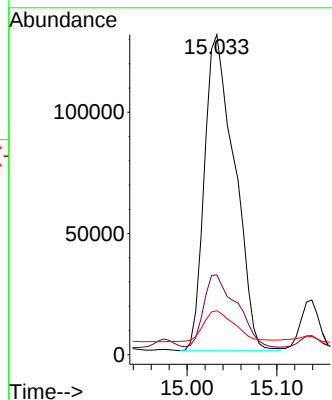
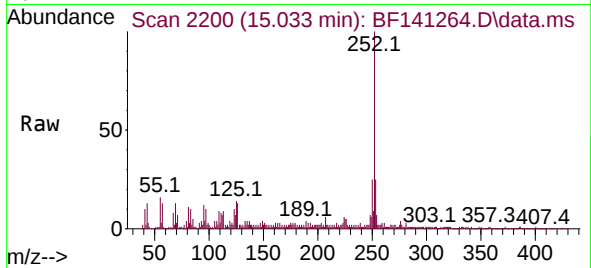




#88
Benzo(b)fluoranthene
Concen: 18.507 ng
RT: 15.033 min Scan# 2198
Delta R.T. 0.012 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

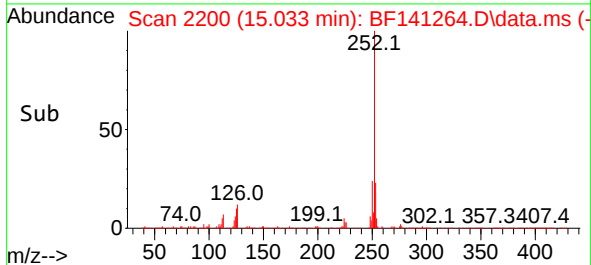
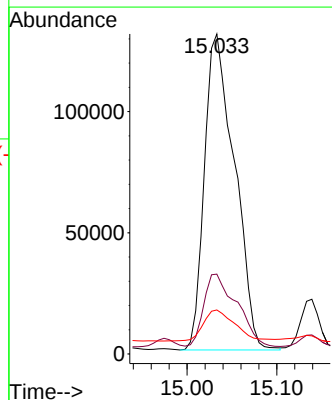
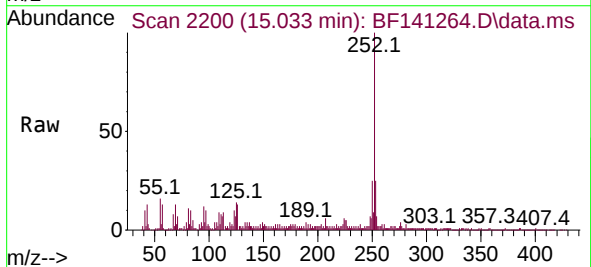
Instrument :
BNA_F
ClientSampleId :
OR-03-01232025

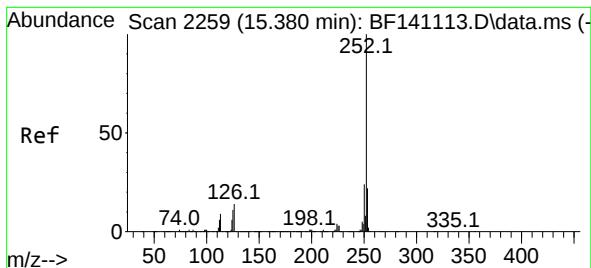
Tgt Ion:252 Resp: 304061
Ion Ratio Lower Upper
252 100
253 25.0 17.8 26.6
125 13.8 8.1 12.1#



#89
Benzo(k)fluoranthene
Concen: 21.899 ng
RT: 15.033 min Scan# 2200
Delta R.T. -0.018 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

Tgt Ion:252 Resp: 304061
Ion Ratio Lower Upper
252 100
253 25.0 17.8 26.8
125 13.8 7.9 11.9#





#90

Benzo(a)pyrene

Concen: 12.038 ng

RT: 15.392 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF141264.D

Acq: 24 Jan 2025 16:02

Instrument :

BNA_F

ClientSampleId :

OR-03-01232025

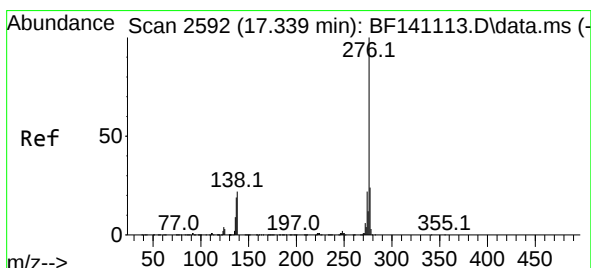
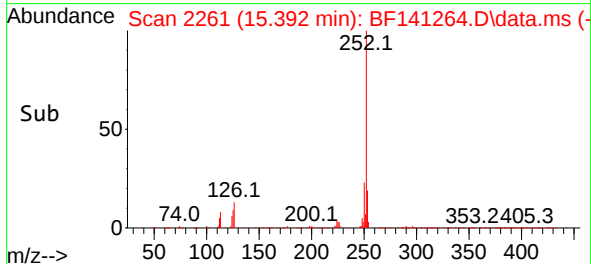
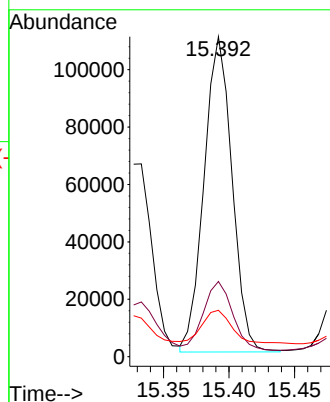
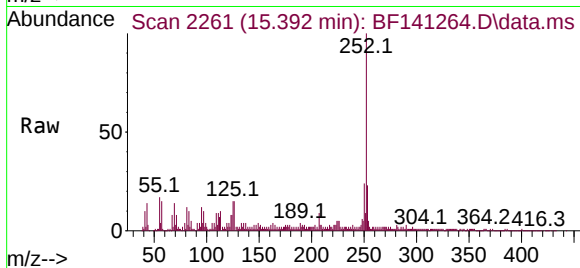
Tgt Ion:252 Resp: 163176

Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

125 14.5 9.1 13.7#



#92

Benzo(g,h,i)perylene

Concen: 4.375 ng

RT: 17.345 min Scan# 2593

Delta R.T. 0.006 min

Lab File: BF141264.D

Acq: 24 Jan 2025 16:02

Tgt Ion:276 Resp: 68712

Ion Ratio Lower Upper

276 100

277 27.2 19.0 28.4

138 25.3 17.4 26.2

