

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)

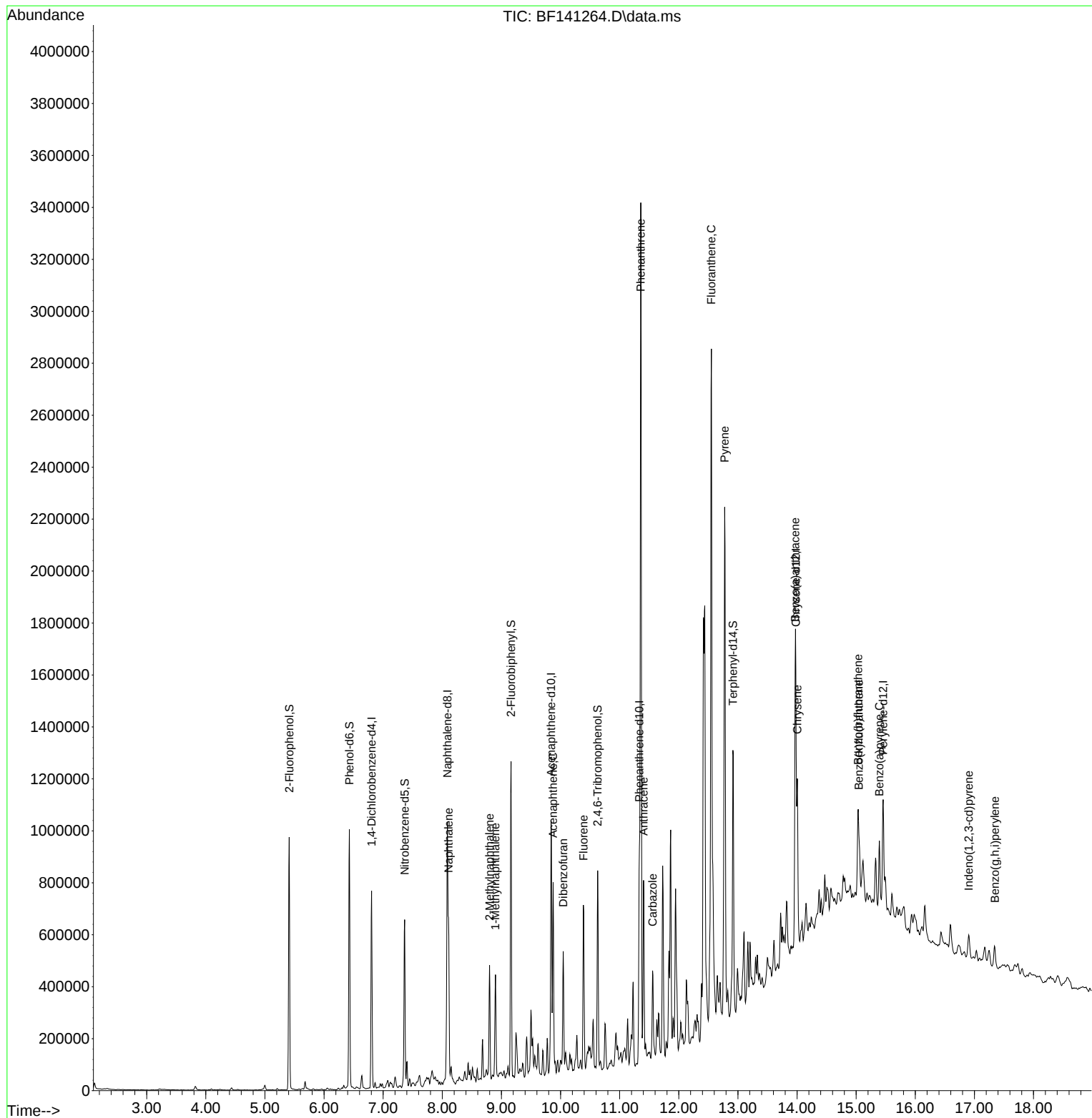
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	156273	20.000	ng	-0.02
21) Naphthalene-d8	8.087	136	593216	20.000	ng	-0.02
39) Acenaphthene-d10	9.839	164	289375	20.000	ng	-0.02
64) Phenanthrene-d10	11.333	188	418406	20.000	ng	-0.01
76) Chrysene-d12	13.980	240	344925	20.000	ng	0.00
86) Perylene-d12	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
31) Naphthalene	8.104	128	363055	11.605	ng	100
37) 2-Methylnaphthalene	8.798	142	163954	8.224	ng	100
38) 1-Methylnaphthalene	8.898	142	143051	7.281	ng	100
52) Acenaphthene	9.875	154	218799	12.523	ng	97
55) Dibenzofuran	10.045	168	212237	8.931	ng	98
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
87) Indeno(1,2,3-cd)pyrene	16.904	276	73140m	3.918	ng	
88) Benzo(b)fluoranthene	15.033	252	219260m	13.345	ng	
89) Benzo(k)fluoranthene	15.045	252	86181m	6.207	ng	
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

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

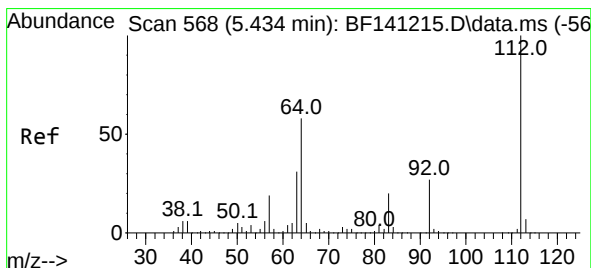
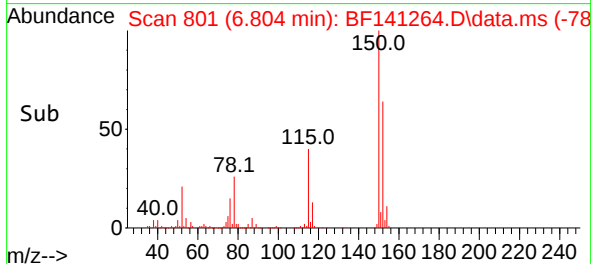
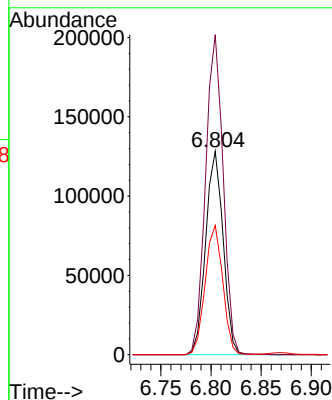
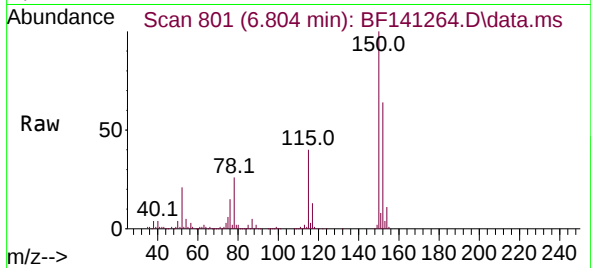




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 802
Delta R.T. -0.018 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

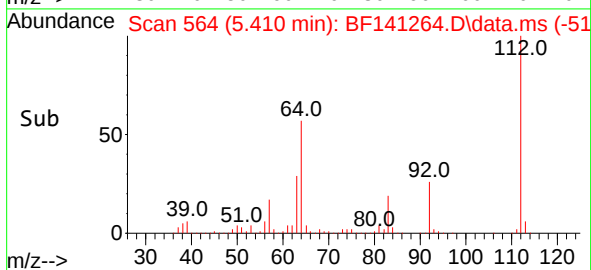
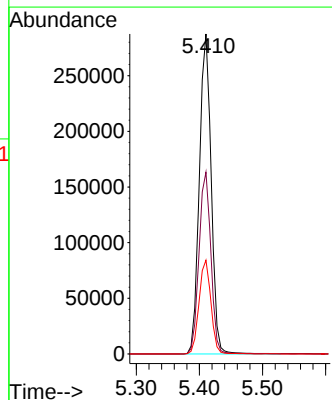
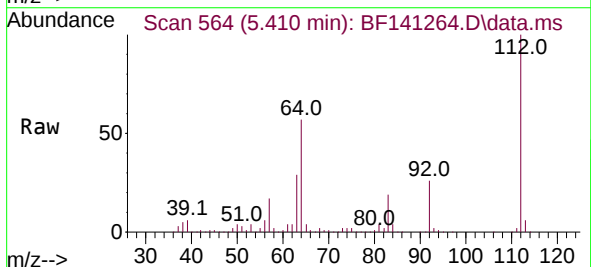
Instrument :
BNA_F
ClientSampleId :
OR-03-01232025

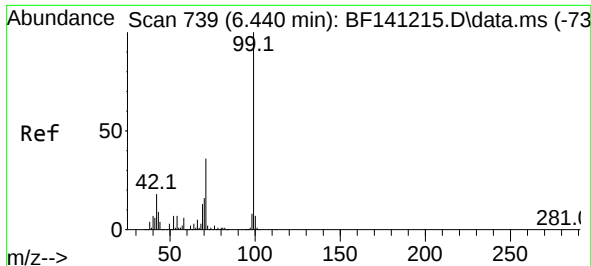
Tgt Ion:152 Resp: 156273
Ion Ratio Lower Upper
152 100
150 157.4 125.8 188.8
115 63.6 51.4 77.2



#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

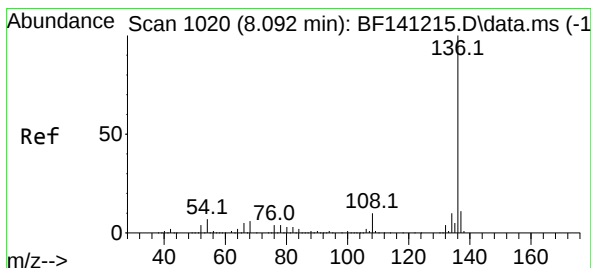
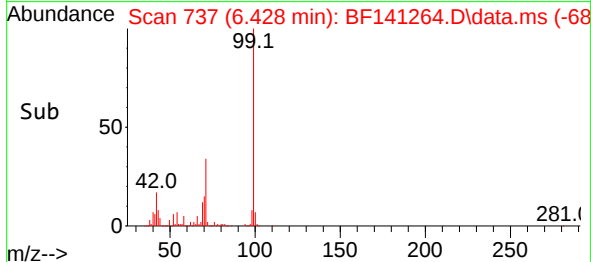
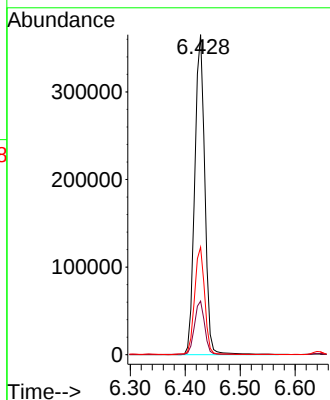
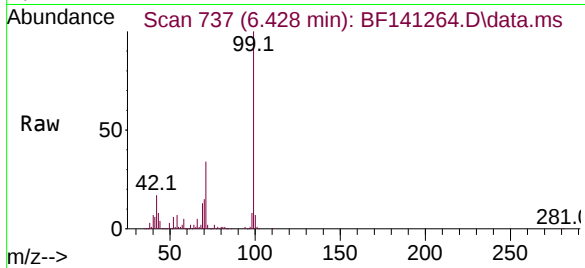




#7
Phenol-d6
Concen: 36.326 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

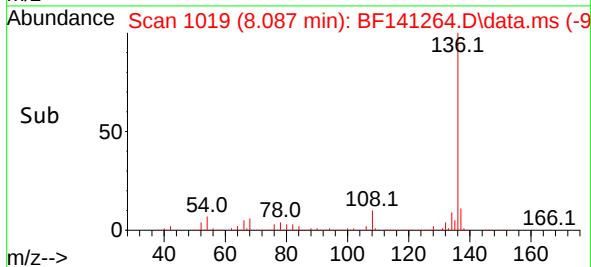
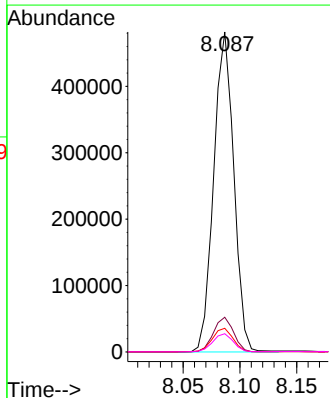
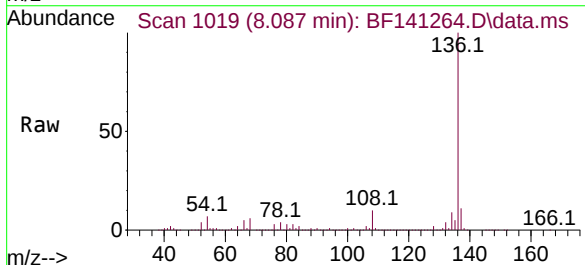
Instrument :
BNA_F
ClientSampleId :
OR-03-01232025

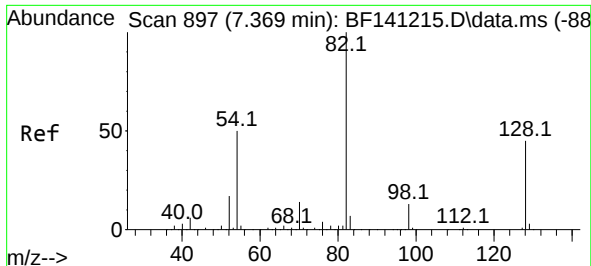
Tgt Ion: 99 Resp: 465487
Ion Ratio Lower Upper
99 100
42 16.8 15.0 22.4
71 33.6 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.087 min Scan# 1019
Delta R.T. -0.018 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

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

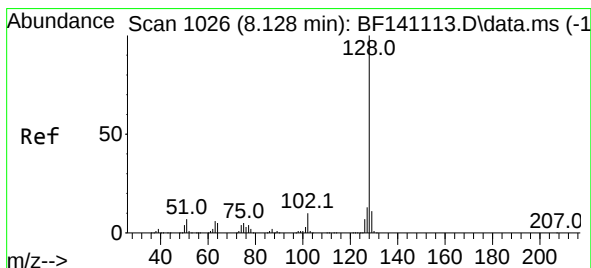
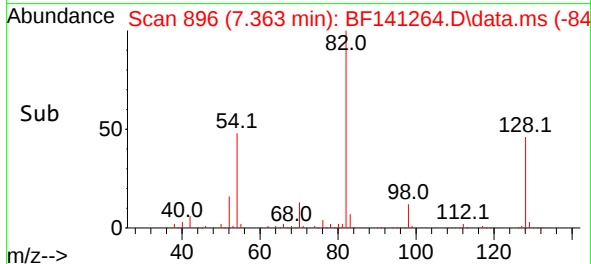
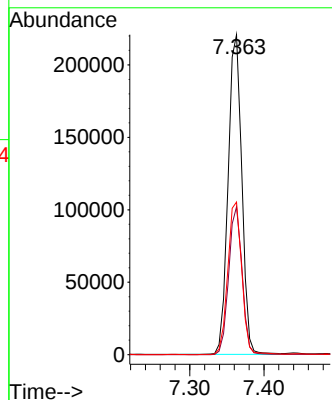
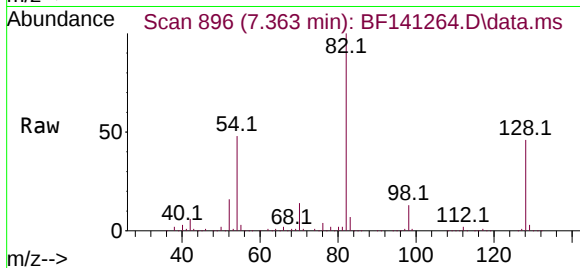




#23
Nitrobenzene-d5
Concen: 25.310 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.024 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

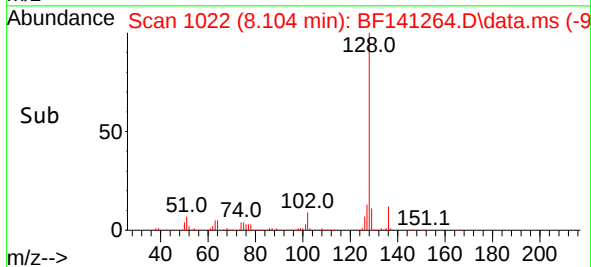
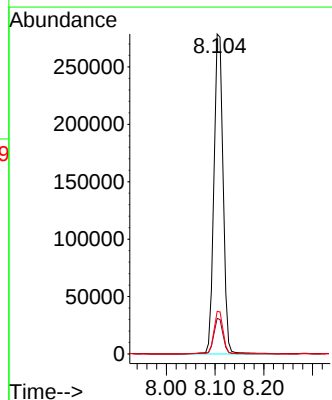
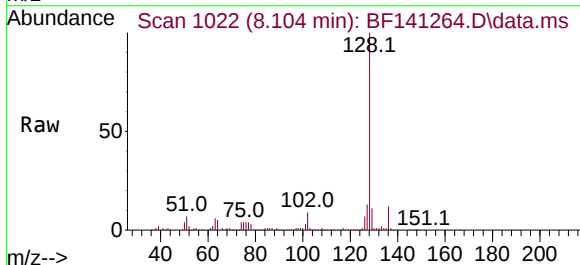
Instrument :
BNA_F
ClientSampleId :
OR-03-01232025

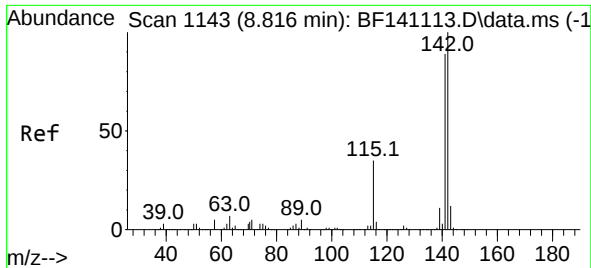
Tgt Ion: 82 Resp: 283239
Ion Ratio Lower Upper
82 100
128 46.2 36.1 54.1
54 47.7 41.0 61.4



#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

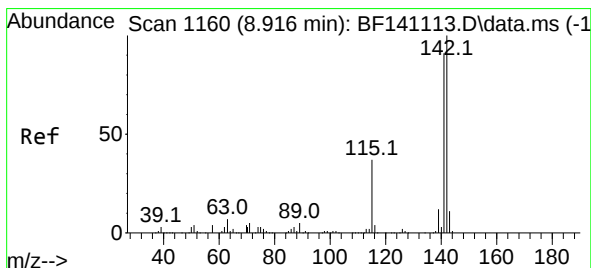
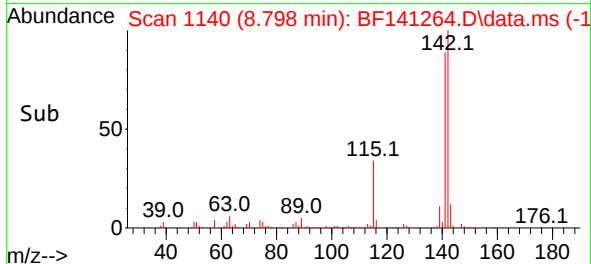
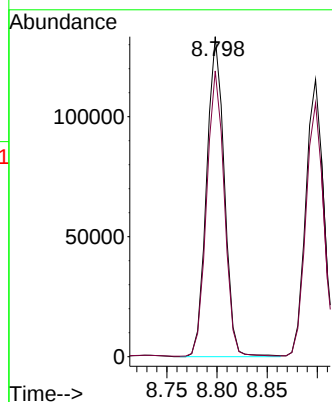
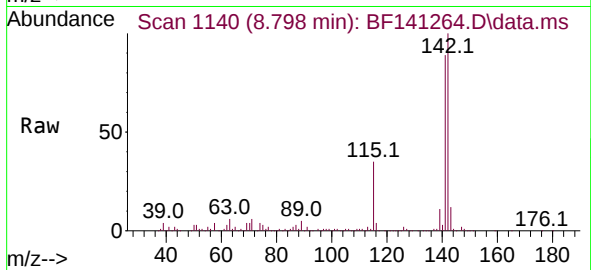




#37
2-Methylnaphthalene
Concen: 8.224 ng
RT: 8.798 min Scan# 1143
Delta R.T. -0.018 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

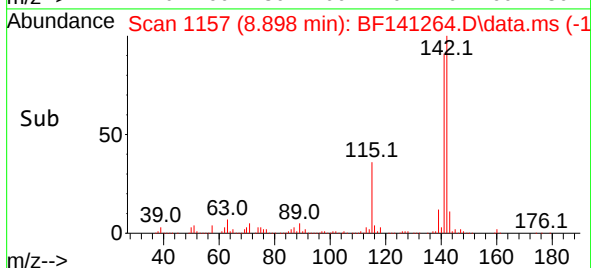
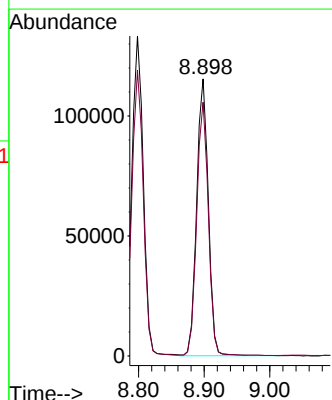
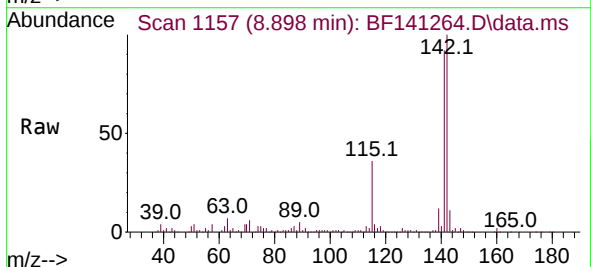
Instrument :
BNA_F
ClientSampleId :
OR-03-01232025

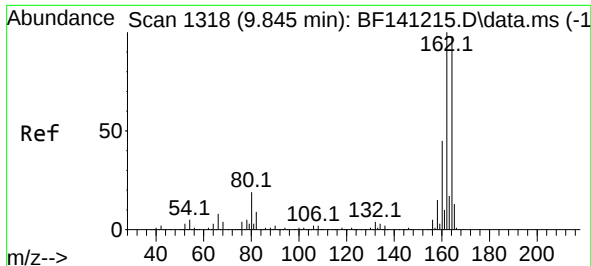
Tgt Ion:142 Resp: 163954
Ion Ratio Lower Upper
142 100
141 89.3 71.3 106.9



#38
1-Methylnaphthalene
Concen: 7.281 ng
RT: 8.898 min Scan# 1157
Delta R.T. -0.018 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

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

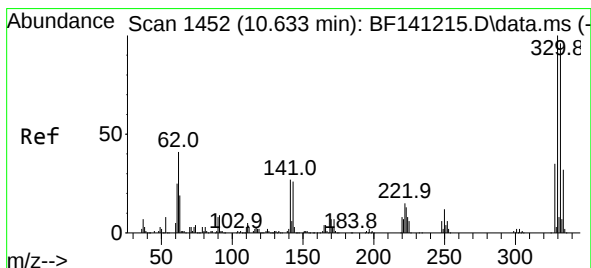
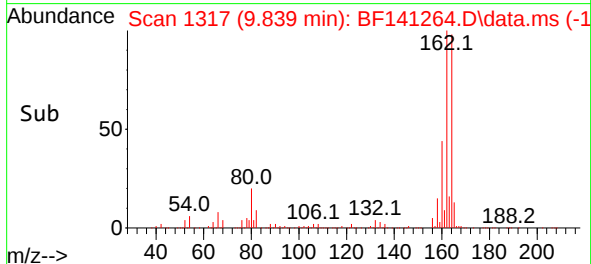
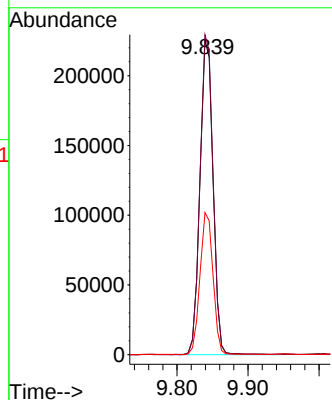
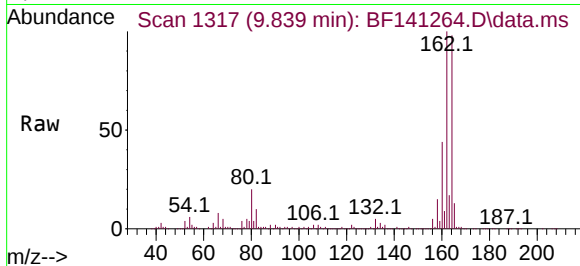




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 11
Delta R.T. -0.024 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

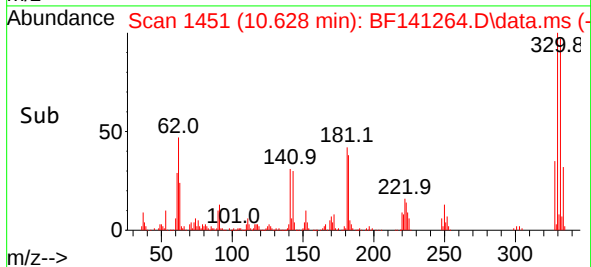
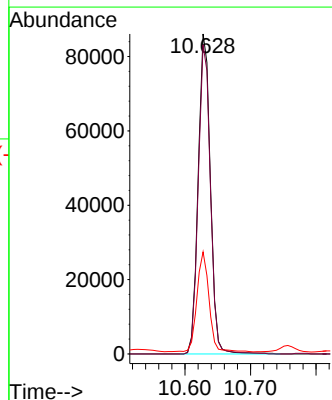
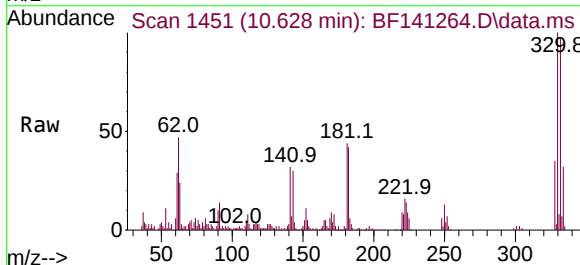
Instrument :
BNA_F
ClientSampleId :
OR-03-01232025

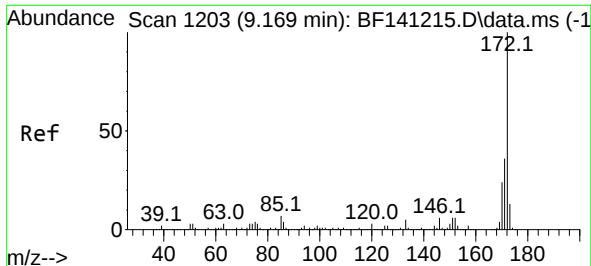
Tgt Ion:164 Resp: 289375
Ion Ratio Lower Upper
164 100
162 101.7 81.0 121.4
160 45.2 36.1 54.1



#42
2,4,6-Tribromophenol
Concen: 33.819 ng
RT: 10.628 min Scan# 1451
Delta R.T. -0.024 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

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

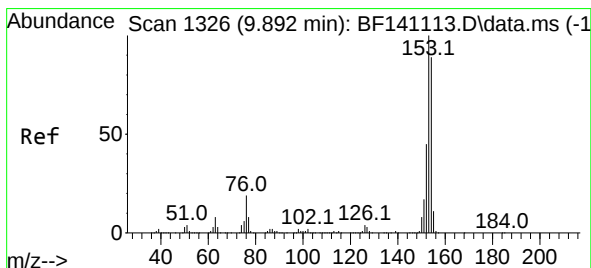
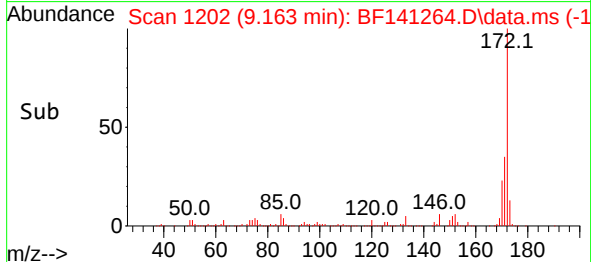
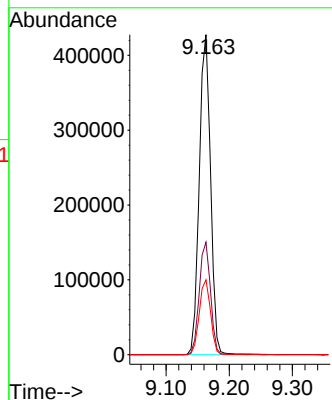
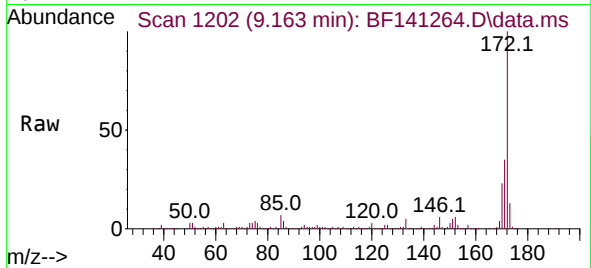




#45
2-Fluorobiphenyl
Concen: 27.956 ng
RT: 9.163 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

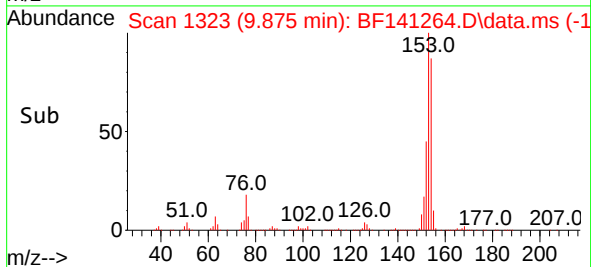
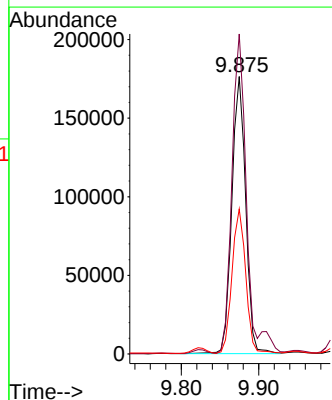
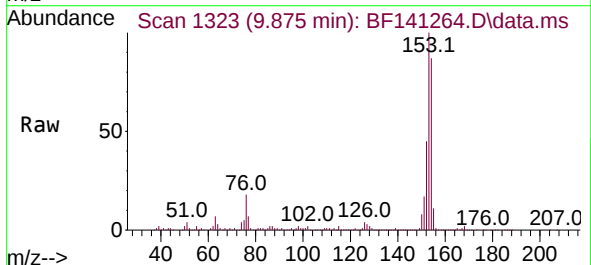
Instrument :
BNA_F
ClientSampleId :
OR-03-01232025

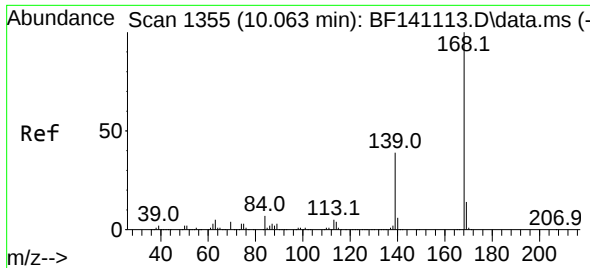
Tgt Ion:172 Resp: 529768
Ion Ratio Lower Upper
172 100
171 35.2 28.7 43.1
170 23.4 19.0 28.6



#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

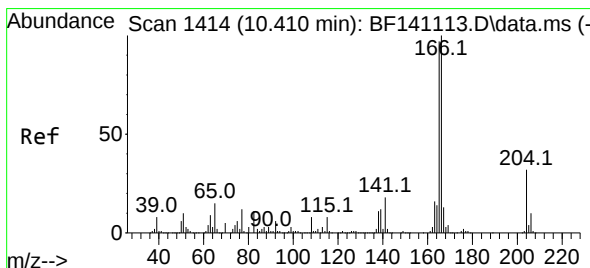
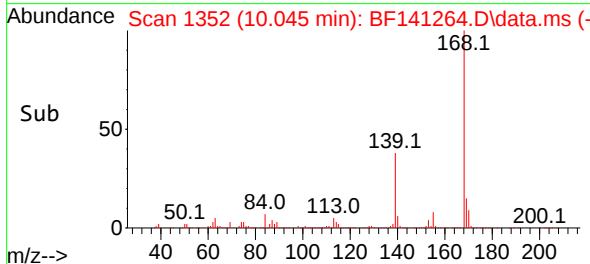
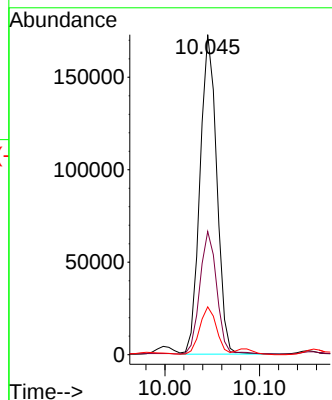
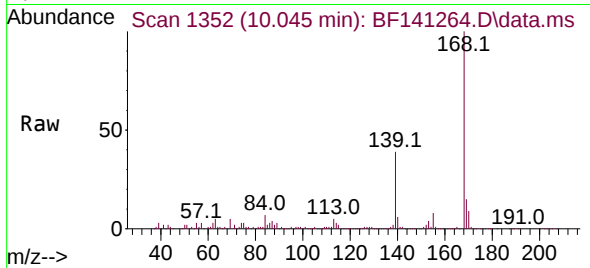




#55
Dibenzenofuran
Concen: 8.931 ng
RT: 10.045 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

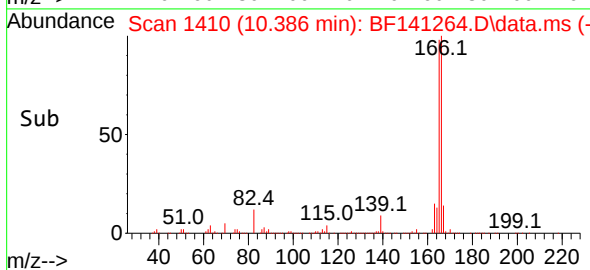
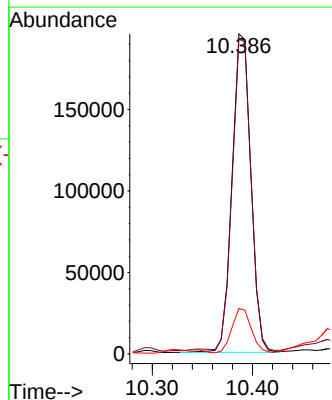
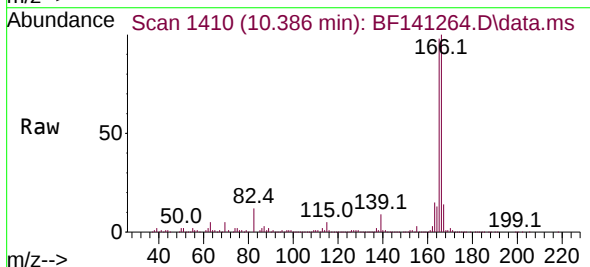
Instrument :
BNA_F
ClientSampleId :
OR-03-01232025

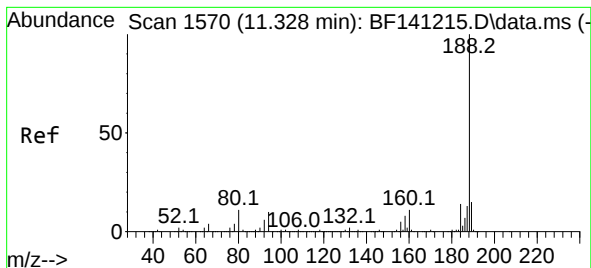
Tgt Ion:168 Resp: 212237
Ion Ratio Lower Upper
168 100
139 38.5 31.4 47.0
169 14.9 10.9 16.3



#58
Fluorene
Concen: 13.810 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.024 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

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# 1

Delta R.T. -0.012 min

Lab File: BF141264.D

Acq: 24 Jan 2025 16:02

Instrument :

BNA_F

ClientSampleId :

OR-03-01232025

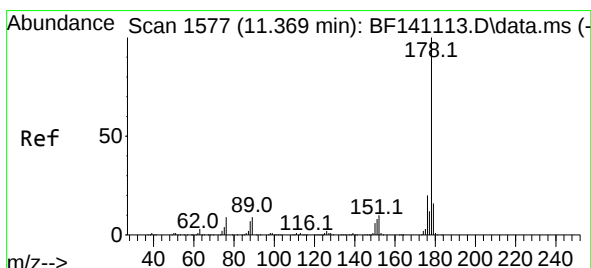
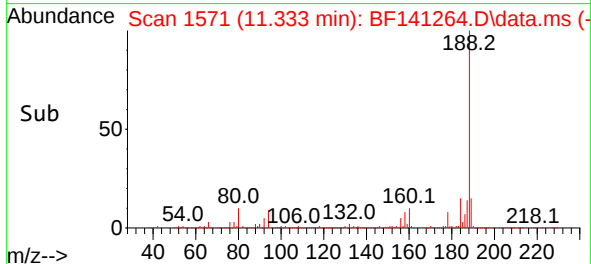
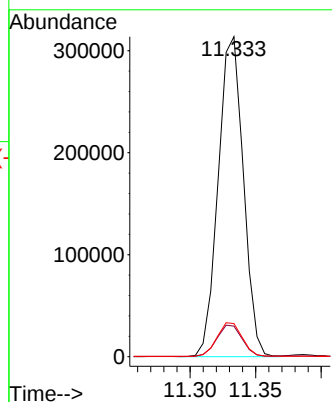
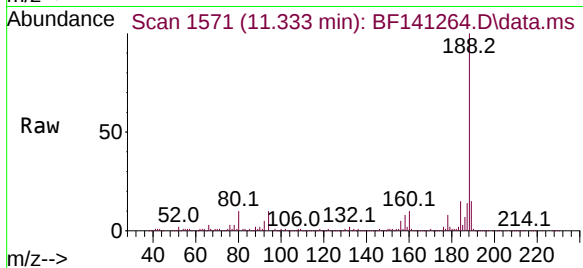
Tgt Ion:188 Resp: 418406

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

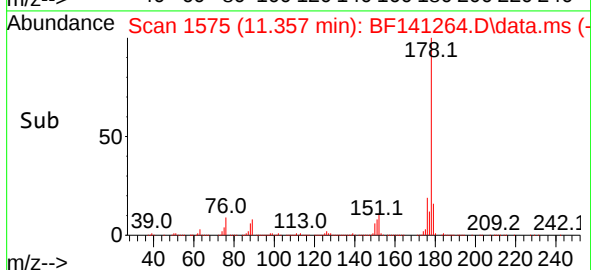
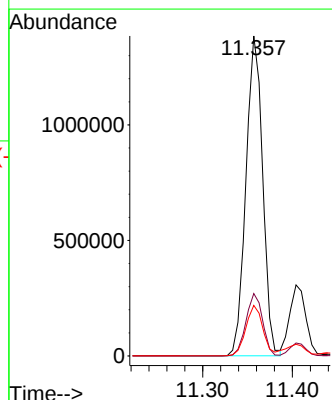
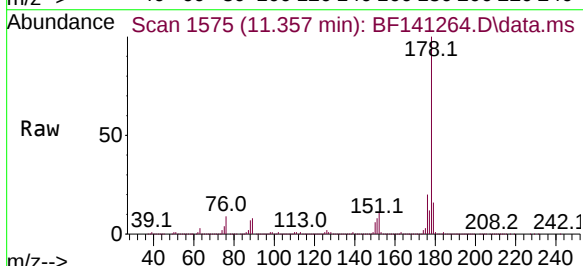
Tgt Ion:178 Resp: 1793229

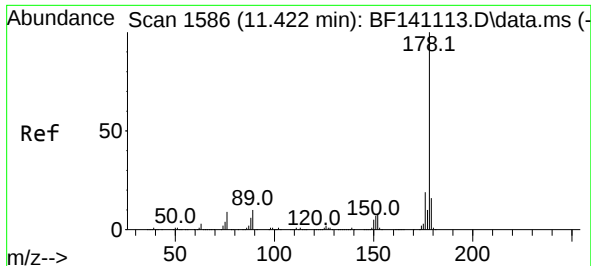
Ion Ratio Lower Upper

178 100

176 19.5 15.7 23.5

179 15.8 12.6 19.0

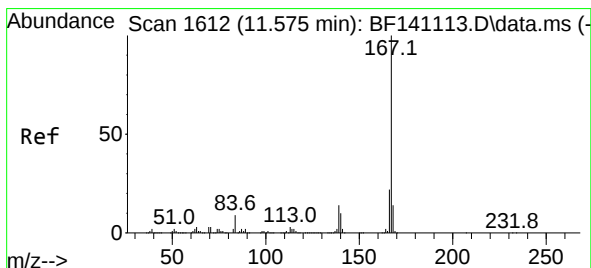
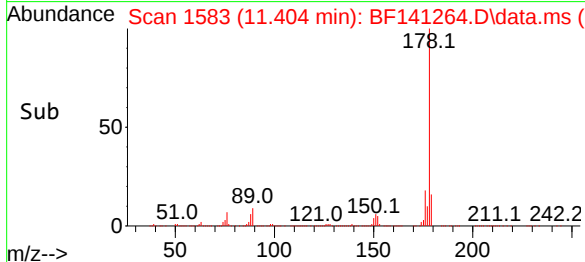
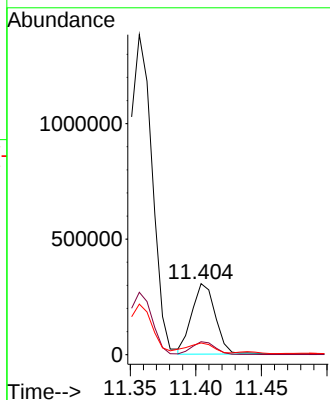
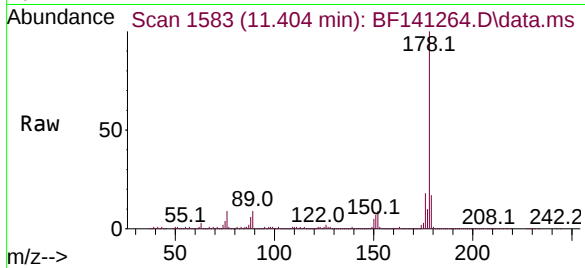




#72
 Anthracene
 Concen: 17.486 ng
 RT: 11.404 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF141264.D
 Acq: 24 Jan 2025 16:02

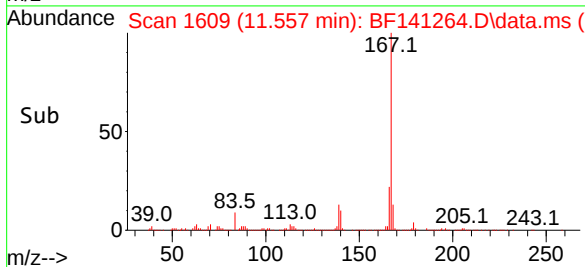
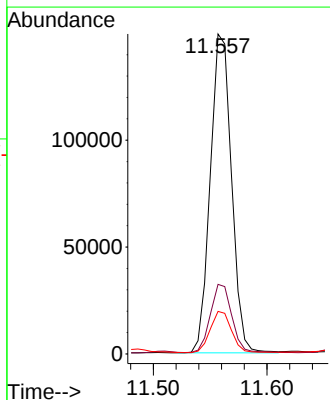
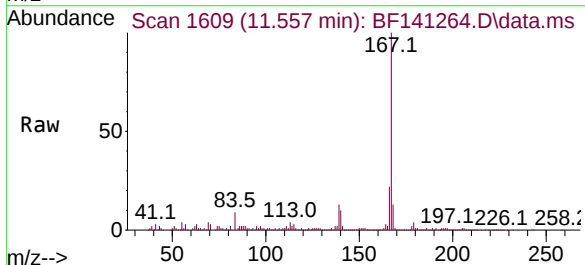
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-01232025

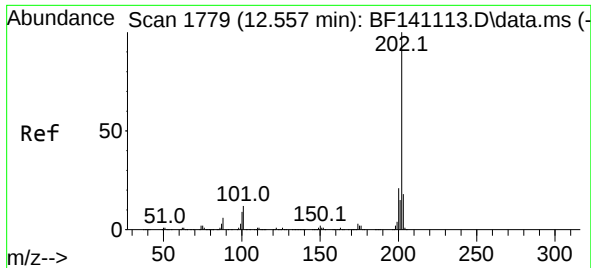
Tgt Ion:178 Resp: 381916
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.9 22.3
 179 16.5 12.6 19.0



#73
 Carbazole
 Concen: 9.673 ng
 RT: 11.557 min Scan# 1609
 Delta R.T. -0.018 min
 Lab File: BF141264.D
 Acq: 24 Jan 2025 16:02

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

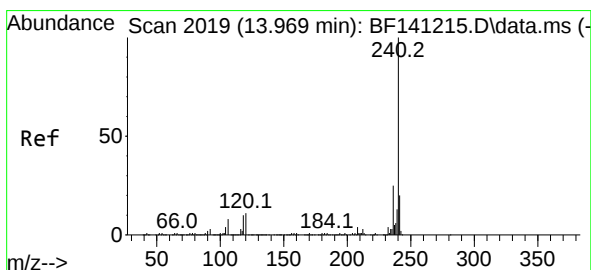
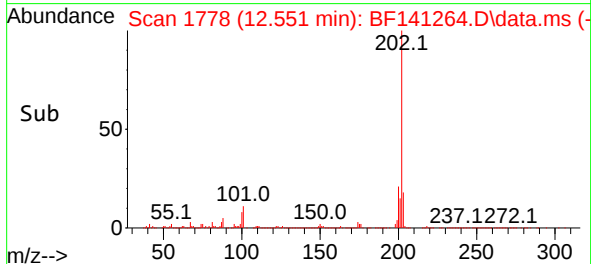
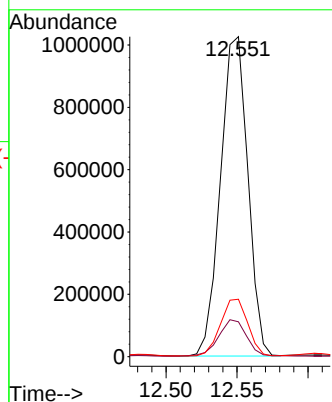
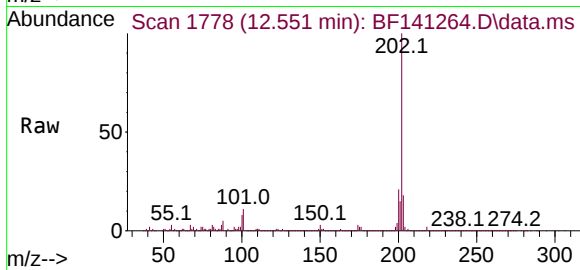




#75
Fluoranthene
Concen: 61.249 ng
RT: 12.551 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

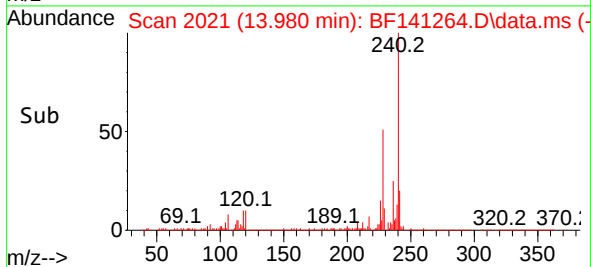
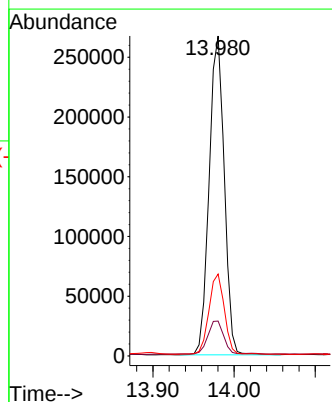
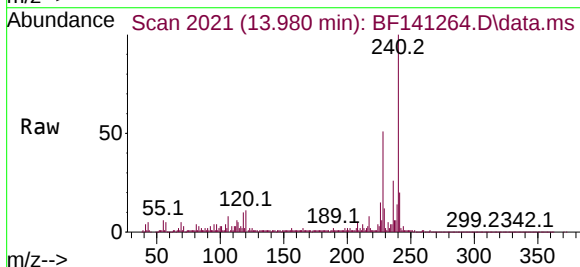
Instrument :
BNA_F
ClientSampleId :
OR-03-01232025

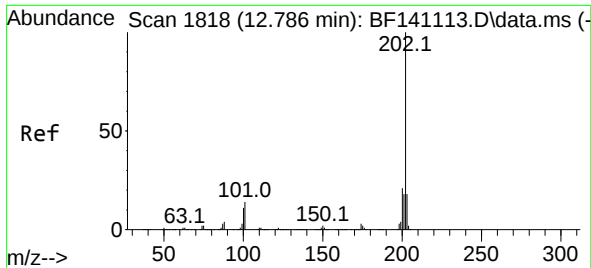
Tgt Ion:202 Resp: 1372938
Ion Ratio Lower Upper
202 100
101 10.9 0.0 32.3
203 18.0 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

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

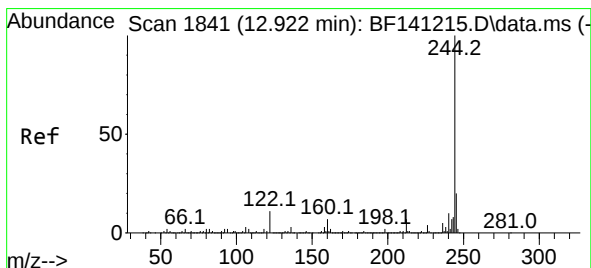
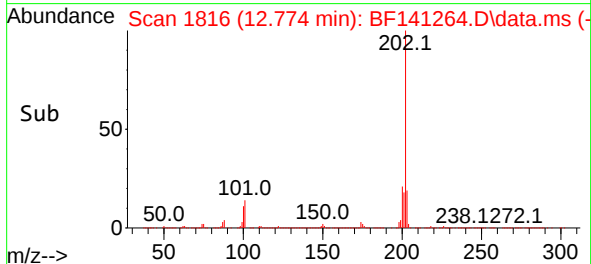
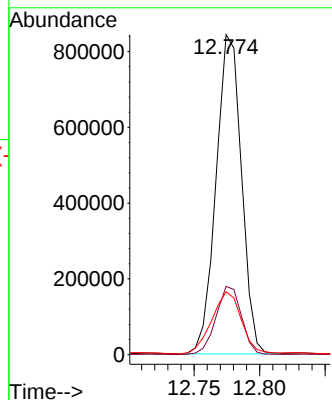
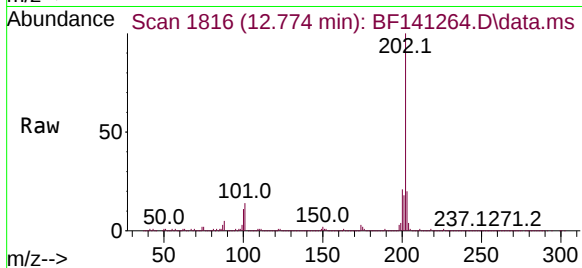




#78
Pyrene
Concen: 34.490 ng
RT: 12.774 min Scan# 1816
Delta R.T. -0.012 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

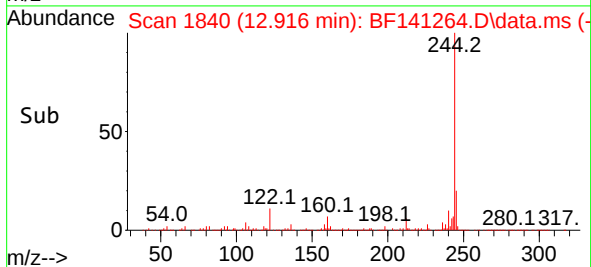
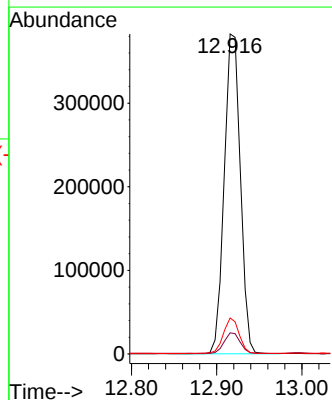
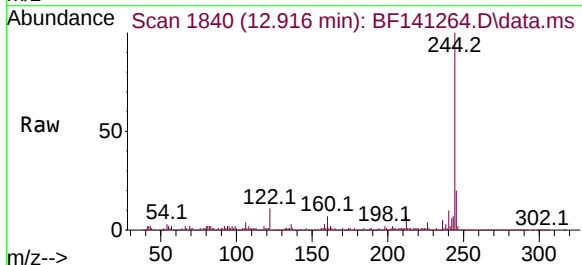
Instrument :
BNA_F
ClientSampleId :
OR-03-01232025

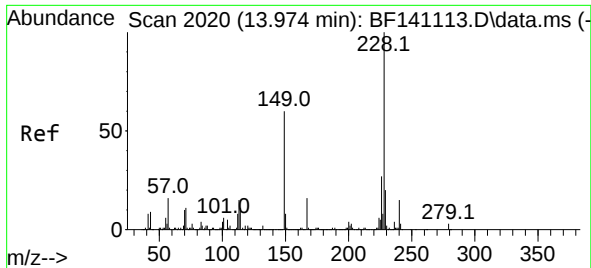
Tgt Ion:202 Resp: 1136273
Ion Ratio Lower Upper
202 100
200 21.4 16.8 25.2
203 19.7 14.3 21.5



#79
Terphenyl-d14
Concen: 21.655 ng
RT: 12.916 min Scan# 1840
Delta R.T. -0.018 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

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

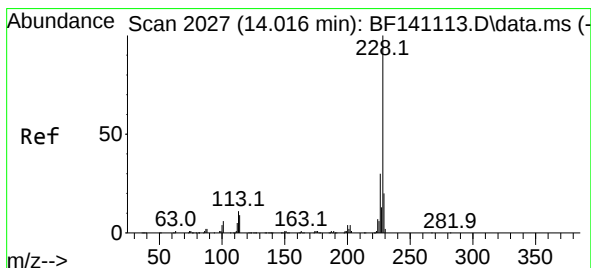
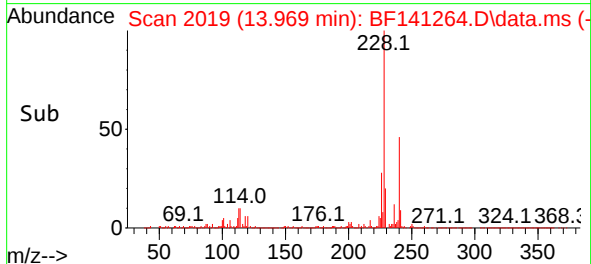
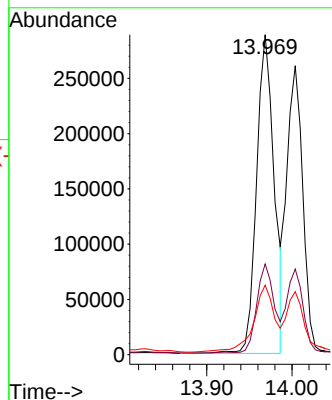
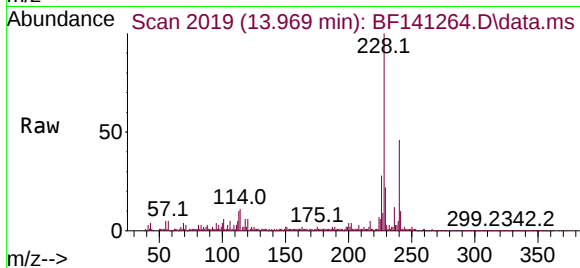




#81
Benzo(a)anthracene
Concen: 17.669 ng
RT: 13.969 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

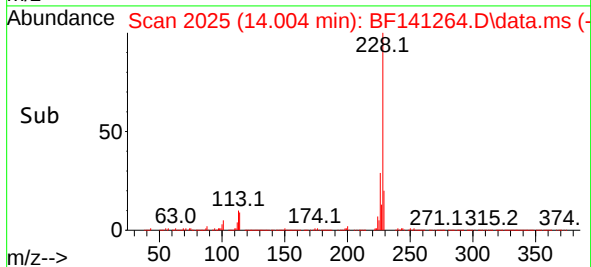
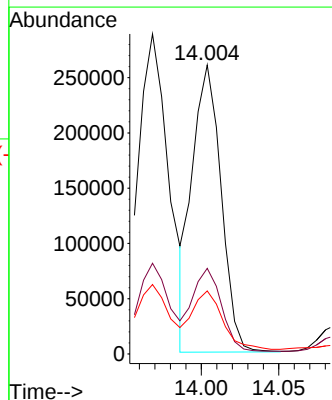
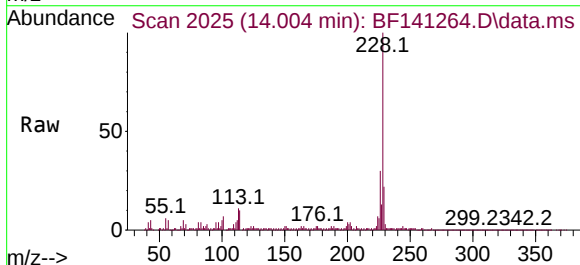
Instrument :
BNA_F
ClientSampleId :
OR-03-01232025

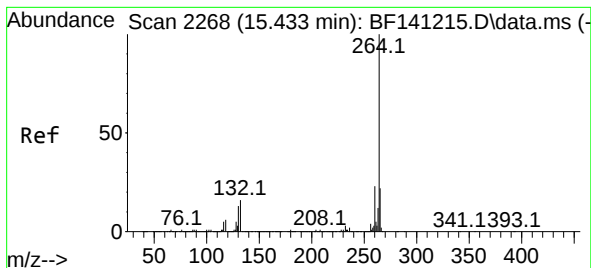
Tgt Ion:228 Resp: 414762
Ion Ratio Lower Upper
228 100
226 28.4 21.7 32.5
229 21.7 15.7 23.5



#83
Chrysene
Concen: 15.319 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.012 min
Lab File: BF141264.D
Acq: 24 Jan 2025 16:02

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# 21

Delta R.T. 0.018 min

Lab File: BF141264.D

Acq: 24 Jan 2025 16:02

Instrument :

BNA_F

ClientSampleId :

OR-03-01232025

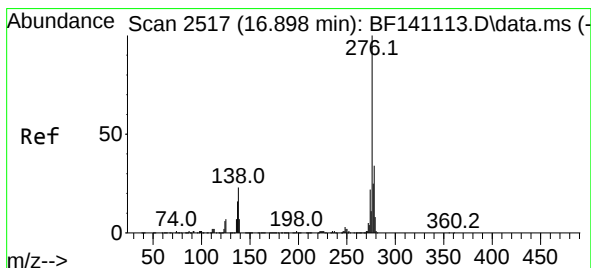
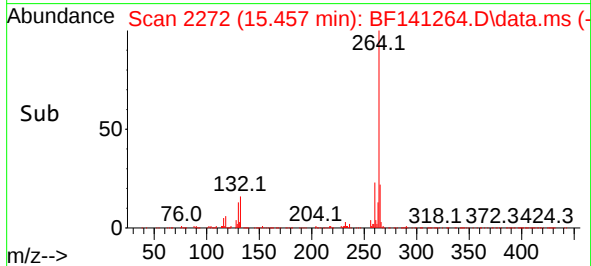
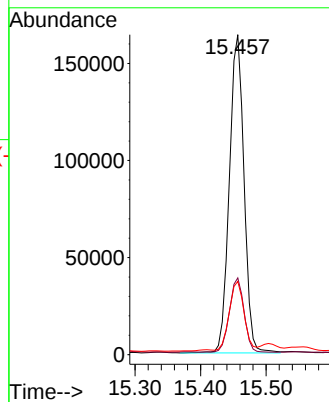
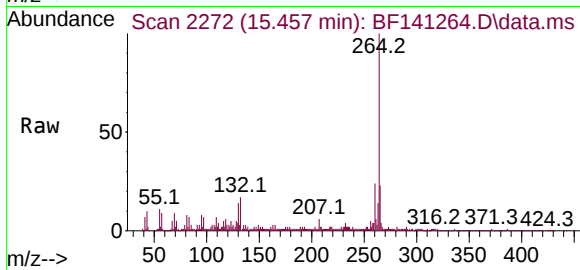
Tgt Ion:264 Resp: 254791

Ion Ratio Lower Upper

264 100

260 24.0 18.6 28.0

265 22.9 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.918 ng m

RT: 16.904 min Scan# 2518

Delta R.T. 0.006 min

Lab File: BF141264.D

Acq: 24 Jan 2025 16:02

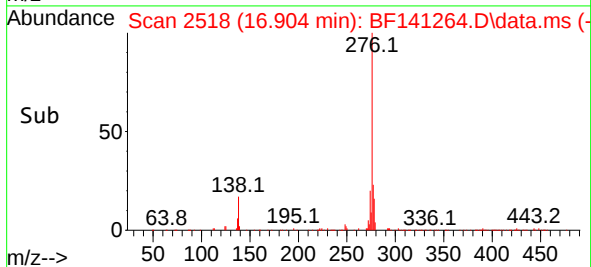
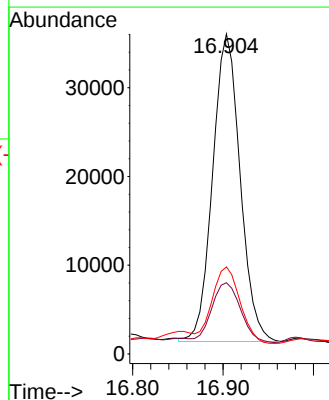
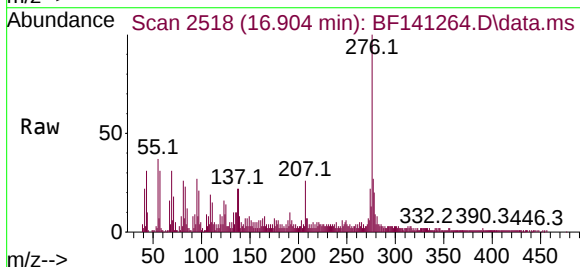
Tgt Ion:276 Resp: 73140

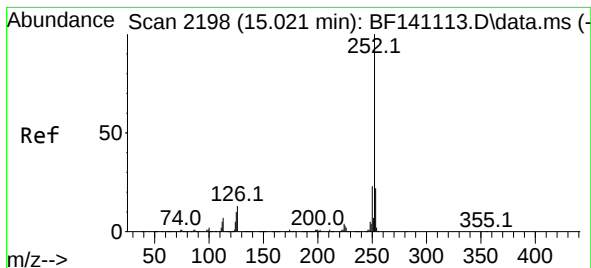
Ion Ratio Lower Upper

276 100

138 4.9 20.7 31.1#

277 5.4 20.6 30.8#





#88

Benzo(b)fluoranthene

Concen: 13.345 ng m

RT: 15.033 min Scan# 2192

Delta R.T. 0.012 min

Lab File: BF141264.D

Acq: 24 Jan 2025 16:02

Instrument :

BNA_F

ClientSampleId :

OR-03-01232025

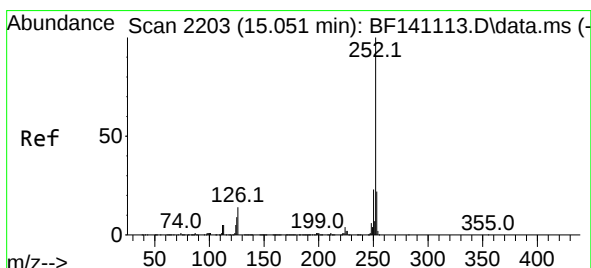
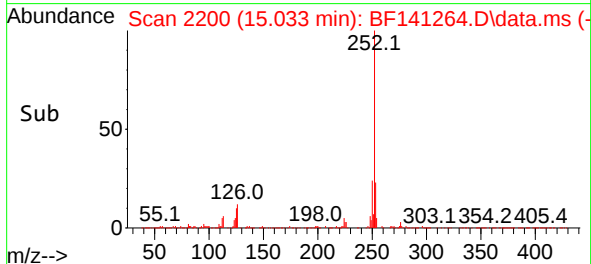
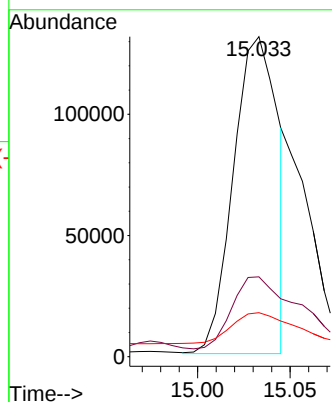
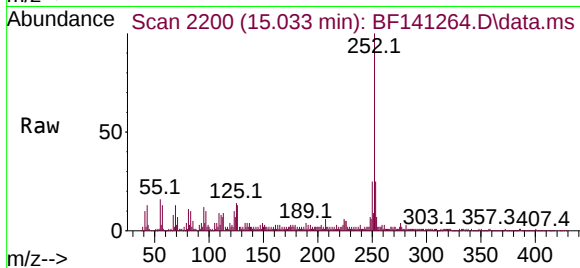
Tgt Ion:252 Resp: 219260

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: 6.207 ng m

RT: 15.045 min Scan# 2202

Delta R.T. -0.006 min

Lab File: BF141264.D

Acq: 24 Jan 2025 16:02

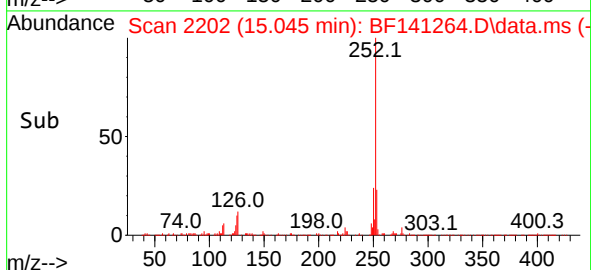
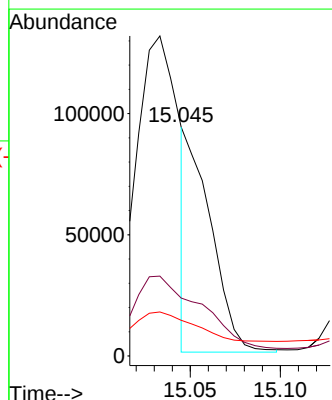
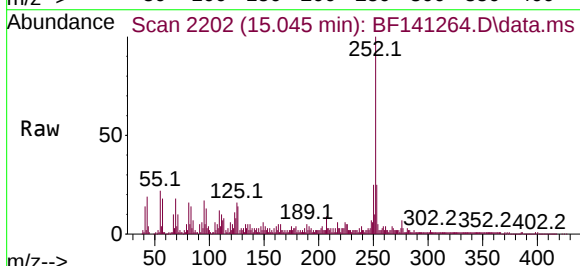
Tgt Ion:252 Resp: 86181

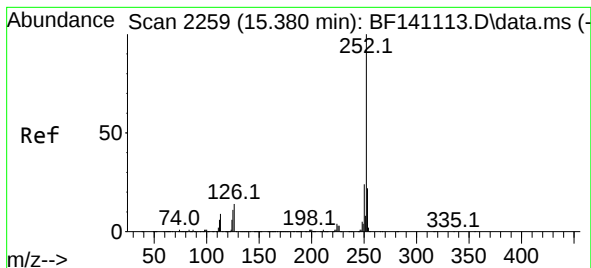
Ion Ratio Lower Upper

252 100

253 25.3 17.8 26.8

125 15.6 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

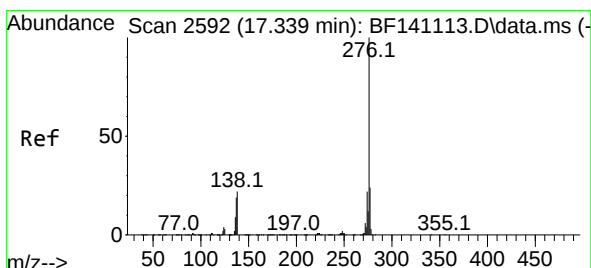
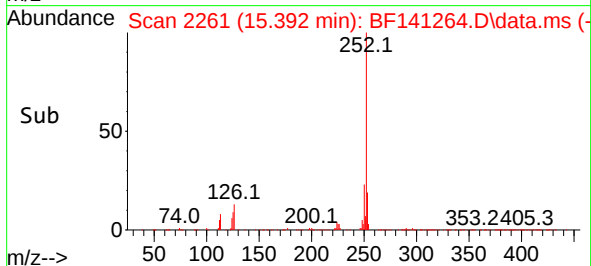
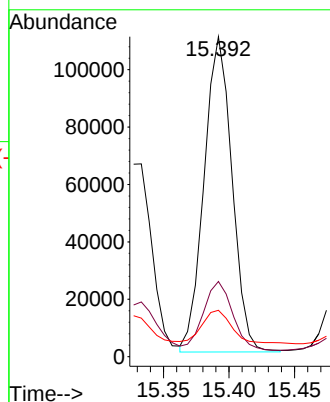
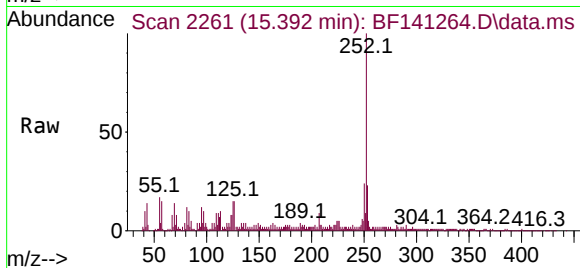
Tgt Ion:252 Resp: 163176

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

