

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010825\
 Data File : BF141097.D
 Acq On : 08 Jan 2025 21:08
 Operator : RC/JU
 Sample : Q1028-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-010725

Quant Time: Jan 09 00:05:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 Response via : Initial Calibration

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

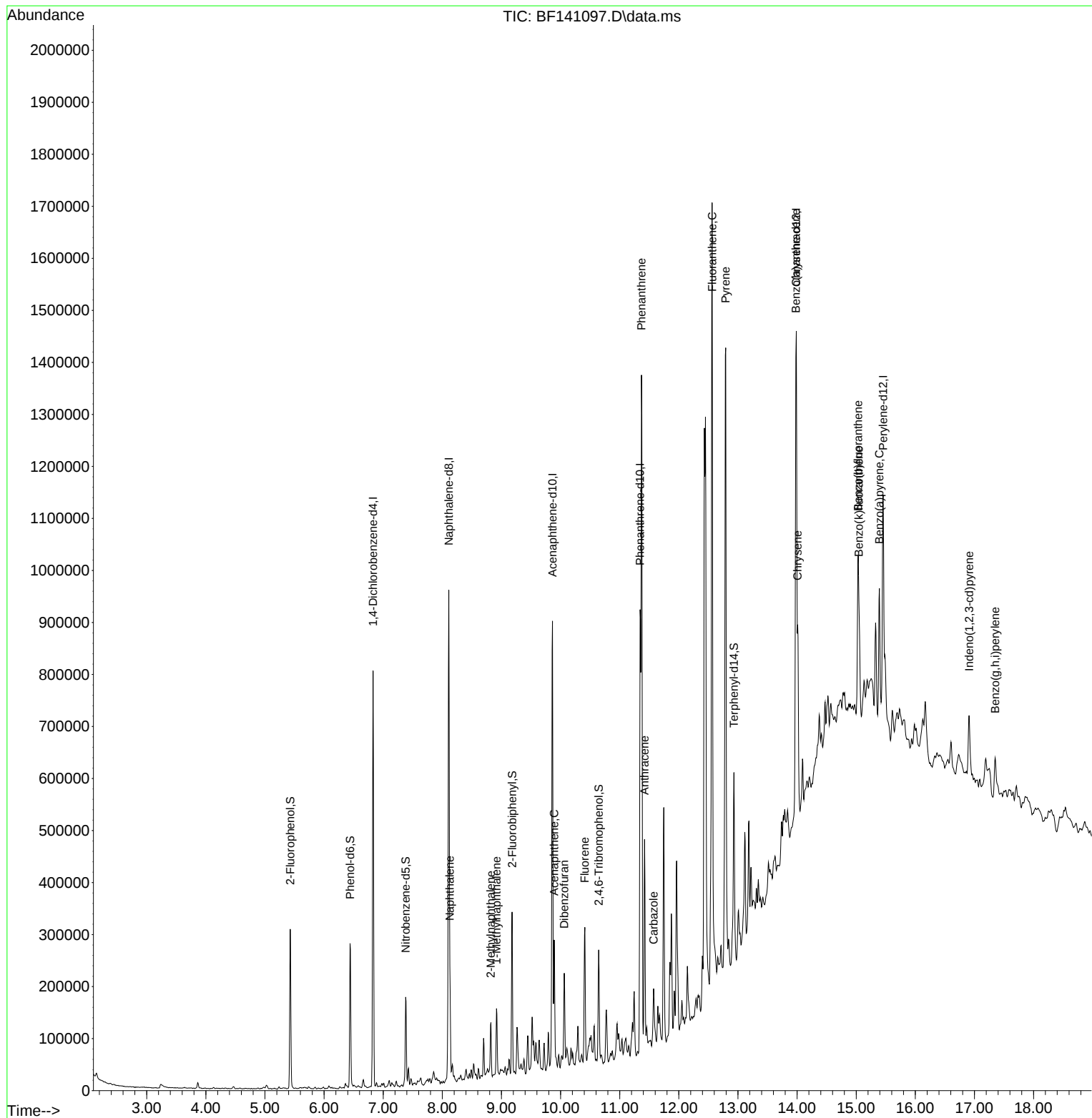
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	163895	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	571396	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	257113	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	439906	20.000	ng	0.00
76) Chrysene-d12	13.986	240	306910	20.000	ng	0.00
86) Perylene-d12	15.457	264	255192	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	118232	10.874	ng	0.00
7) Phenol-d6	6.439	99	133603	9.539	ng	-0.01
23) Nitrobenzene-d5	7.381	82	75460	8.449	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	26370	10.555	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	140363	8.698	ng	0.00
79) Terphenyl-d14	12.933	244	163193	8.832	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.128	128	99444	3.303	ng	99
37) 2-Methylnaphthalene	8.822	142	41377	2.148	ng	98
38) 1-Methylnaphthalene	8.916	142	46917	2.478	ng	98
52) Acenaphthene	9.892	154	70800	4.765	ng	98
55) Dibenzofuran	10.063	168	80840	3.871	ng	97
58) Fluorene	10.410	166	105564	6.519	ng	99
71) Phenanthrene	11.369	178	691758	29.878	ng	99
72) Anthracene	11.422	178	234408	10.332	ng	98
73) Carbazole	11.574	167	59381	2.723	ng	99
75) Fluoranthene	12.563	202	824793	32.846	ng	98
78) Pyrene	12.792	202	698115	26.009	ng	99
81) Benzo(a)anthracene	13.980	228	267638	12.512	ng	98
83) Chrysene	14.010	228	185030	9.596	ng	97
87) Indeno(1,2,3-cd)pyrene	16.909	276	85546m	5.321	ng	
88) Benzo(b)fluoranthene	15.033	252	202741m	11.391	ng	
89) Benzo(k)fluoranthene	15.045	252	79513m	5.700	ng	
90) Benzo(a)pyrene	15.392	252	154808	11.206	ng	95
92) Benzo(g,h,i)perylene	17.351	276	82766	6.123	ng	96

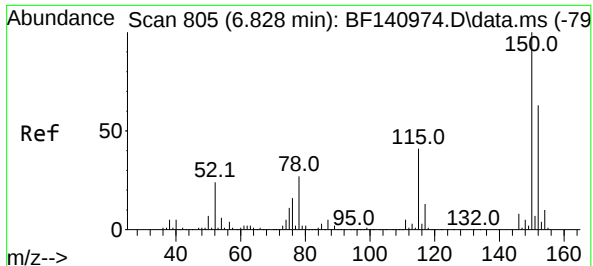
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010825\
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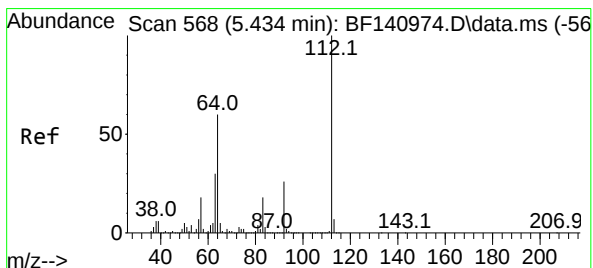
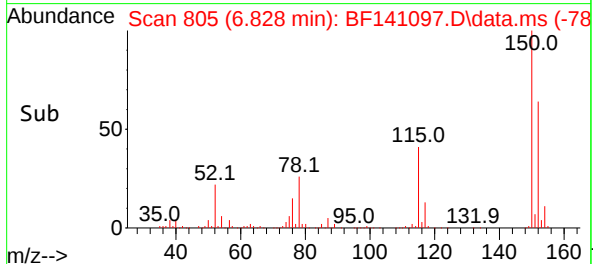
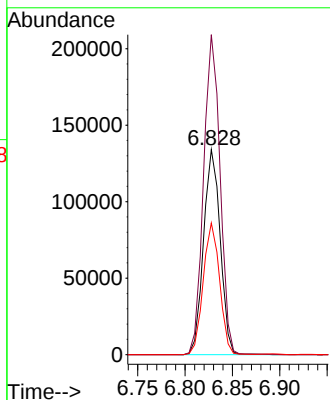
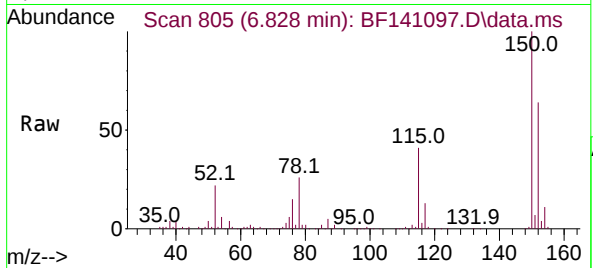




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.828 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF141097.D
 Acq: 08 Jan 2025 21:08

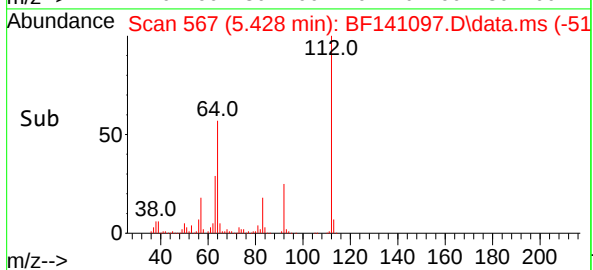
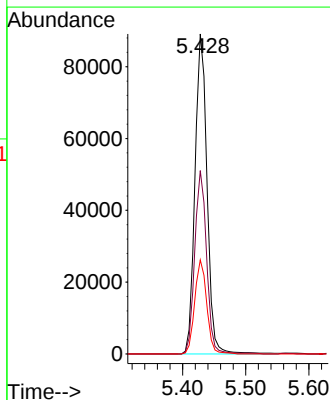
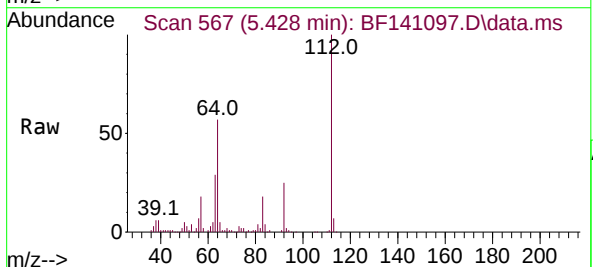
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-010725

Tgt Ion:152 Resp: 163895
 Ion Ratio Lower Upper
 152 100
 150 156.0 127.0 190.6
 115 64.2 51.7 77.5



#5
 2-Fluorophenol
 Concen: 10.874 ng
 RT: 5.428 min Scan# 567
 Delta R.T. -0.006 min
 Lab File: BF141097.D
 Acq: 08 Jan 2025 21:08

Tgt Ion:112 Resp: 118232
 Ion Ratio Lower Upper
 112 100
 64 57.3 47.7 71.5
 63 29.4 24.2 36.2

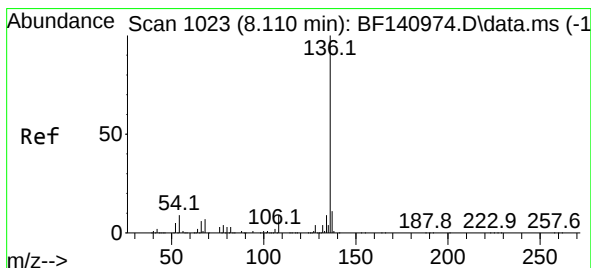
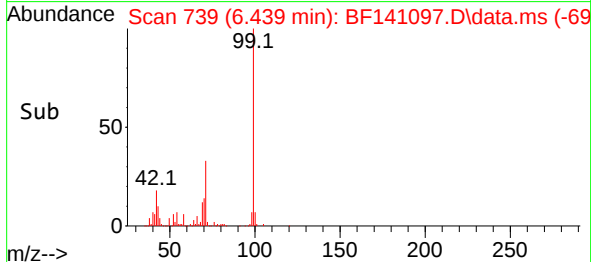
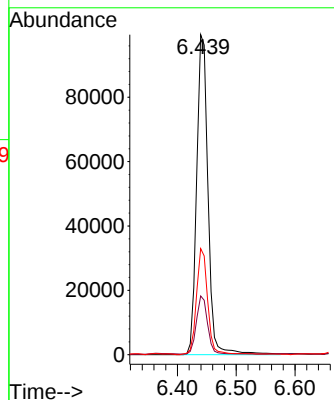
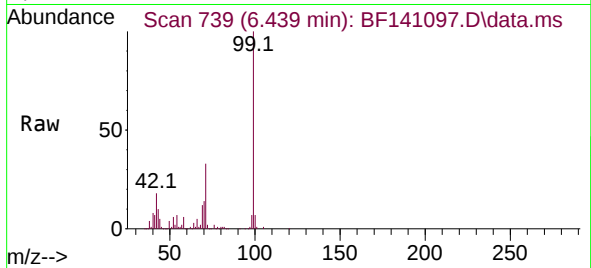




#7
Phenol-d6
Concen: 9.539 ng
RT: 6.439 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF141097.D
Acq: 08 Jan 2025 21:08

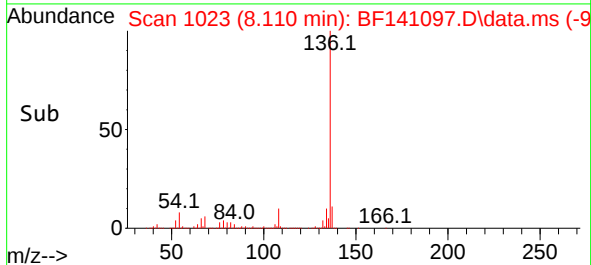
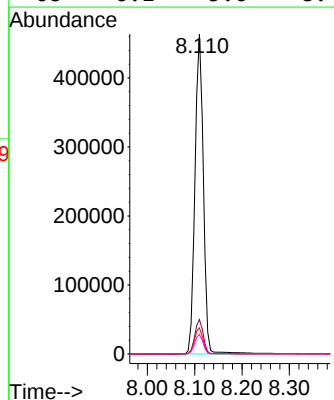
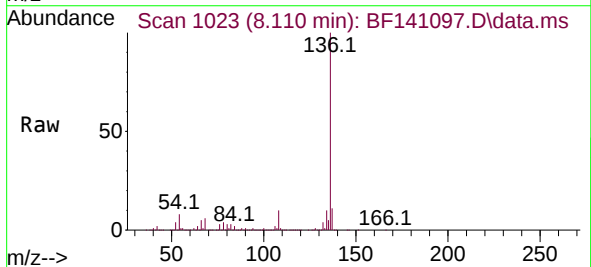
Instrument :
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ClientSampleId :
OR-03-010725

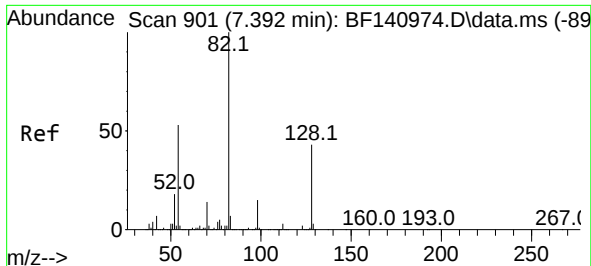
Tgt Ion: 99 Resp: 133603
Ion Ratio Lower Upper
99 100
42 18.4 15.0 22.4
71 33.1 26.2 39.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF141097.D
Acq: 08 Jan 2025 21:08

Tgt Ion: 136 Resp: 571396
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 8.1 7.6 11.4
68 6.1 5.6 8.4

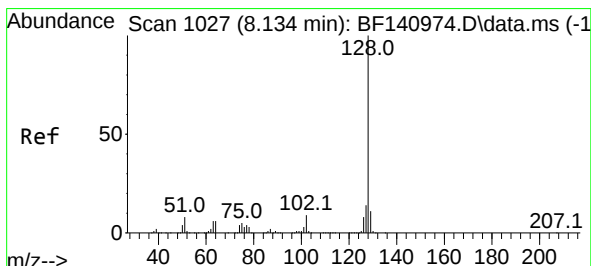
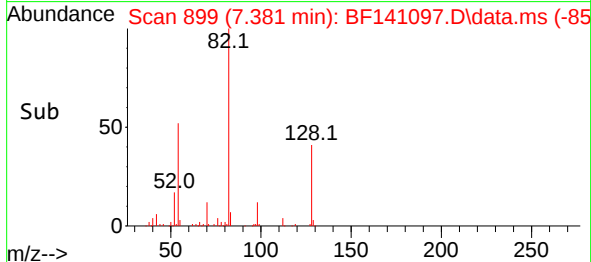
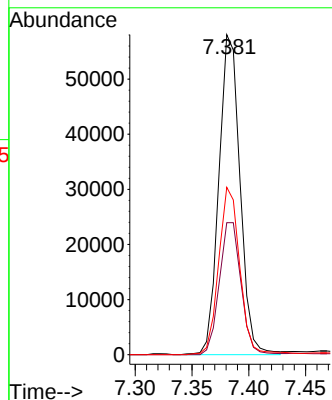
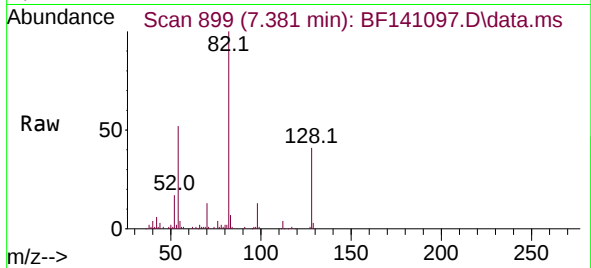




#23
Nitrobenzene-d5
Concen: 8.449 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141097.D
Acq: 08 Jan 2025 21:08

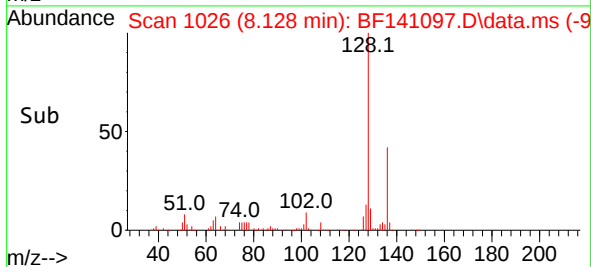
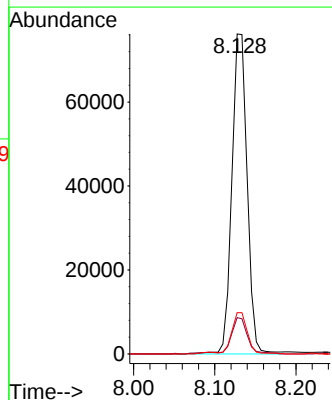
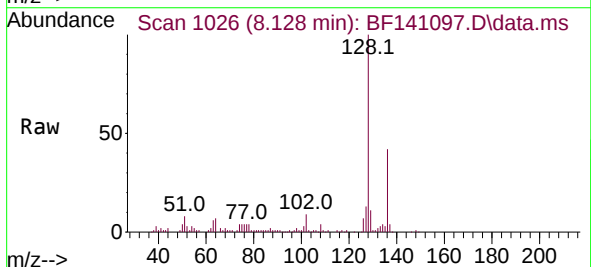
Instrument :
BNA_F
ClientSampleId :
OR-03-010725

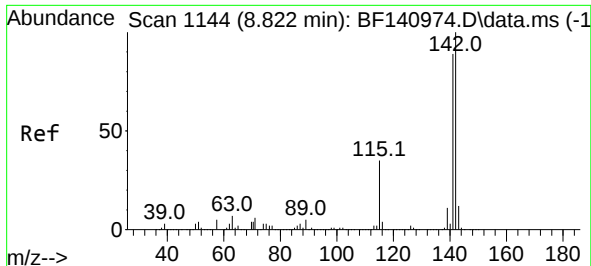
Tgt Ion: 82 Resp: 75460
Ion Ratio Lower Upper
82 100
128 41.3 34.4 51.6
54 52.3 42.4 63.6



#31
Naphthalene
Concen: 3.303 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF141097.D
Acq: 08 Jan 2025 21:08

Tgt Ion: 128 Resp: 99444
Ion Ratio Lower Upper
128 100
129 11.4 9.2 13.8
127 12.9 11.0 16.4

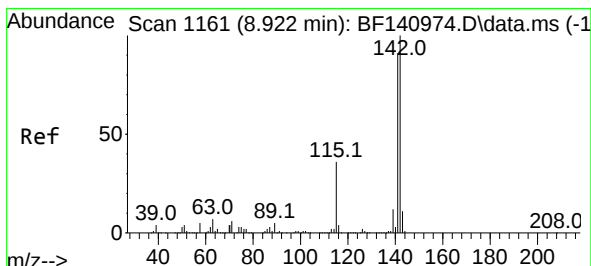
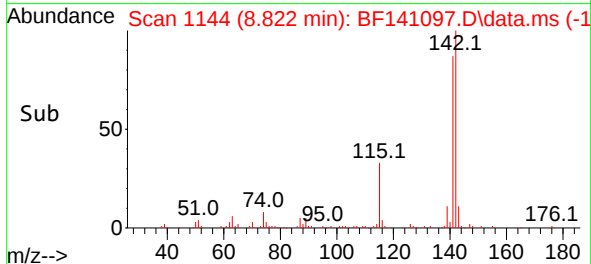
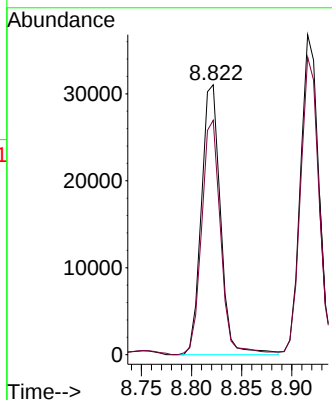
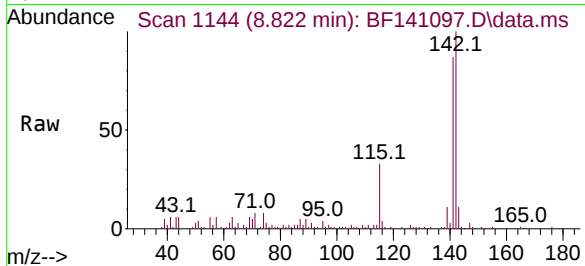




#37
2-Methylnaphthalene
Concen: 2.148 ng
RT: 8.822 min Scan# 1144
Delta R.T. -0.000 min
Lab File: BF141097.D
Acq: 08 Jan 2025 21:08

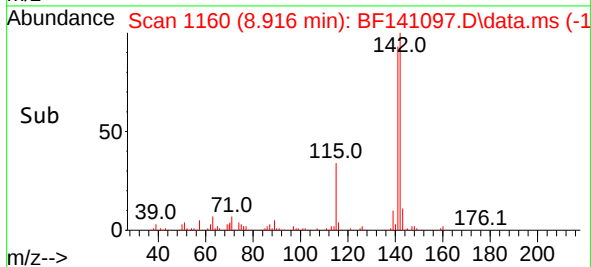
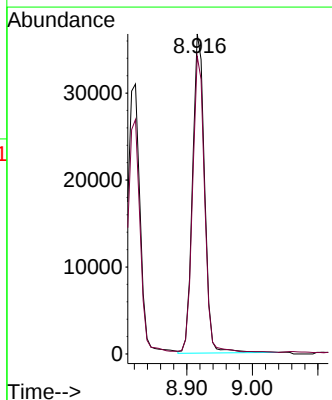
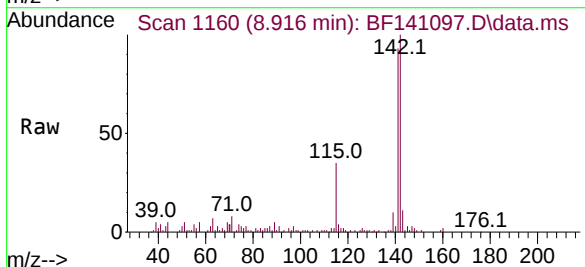
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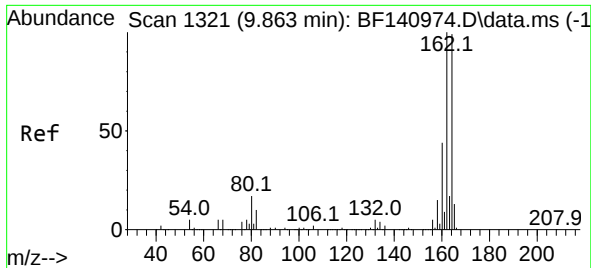
Tgt Ion:142 Resp: 41377
Ion Ratio Lower Upper
142 100
141 86.8 71.1 106.7



#38
1-Methylnaphthalene
Concen: 2.478 ng
RT: 8.916 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF141097.D
Acq: 08 Jan 2025 21:08

Tgt Ion:142 Resp: 46917
Ion Ratio Lower Upper
142 100
141 93.0 72.7 109.1

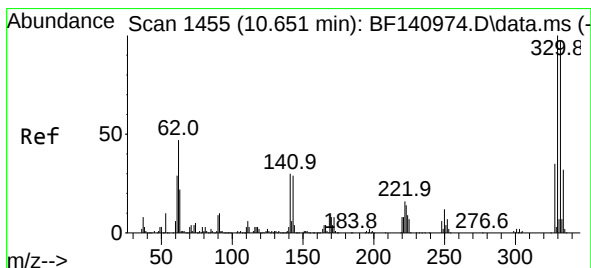
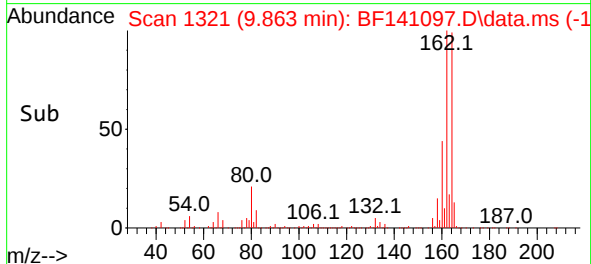
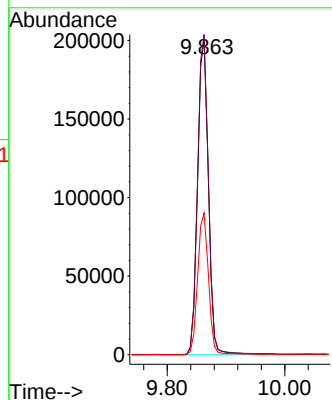
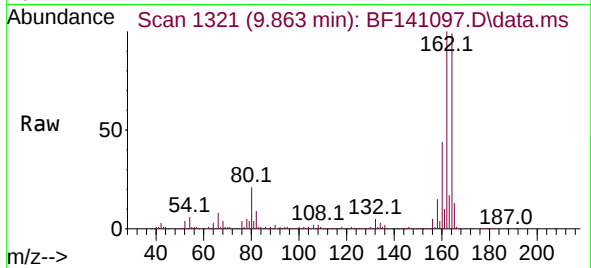




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141097.D
Acq: 08 Jan 2025 21:08

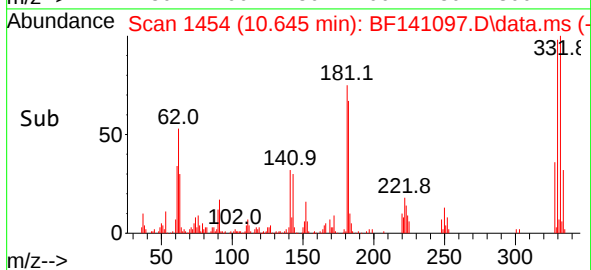
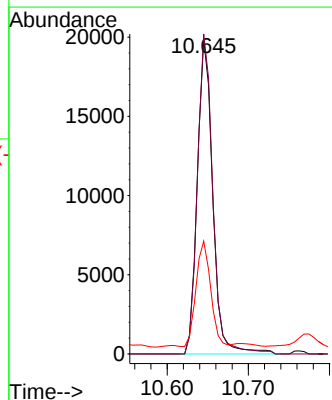
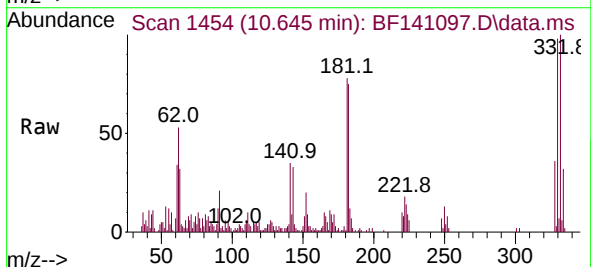
Instrument :
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ClientSampleId :
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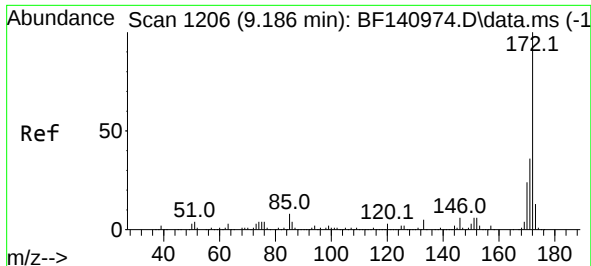
Tgt Ion:164 Resp: 257113
Ion Ratio Lower Upper
164 100
162 101.4 80.6 120.8
160 45.0 35.7 53.5



#42
2,4,6-Tribromophenol
Concen: 10.555 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF141097.D
Acq: 08 Jan 2025 21:08

Tgt Ion:330 Resp: 26370
Ion Ratio Lower Upper
330 100
332 100.9 78.0 117.0
141 31.7 26.4 39.6

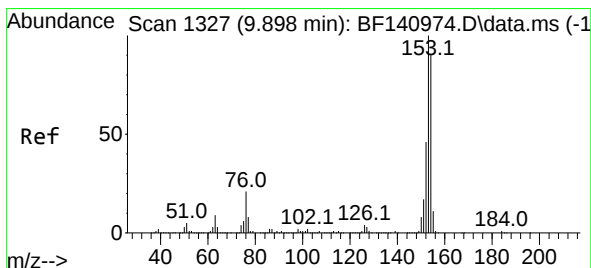
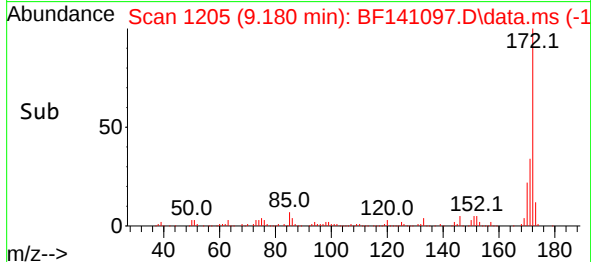
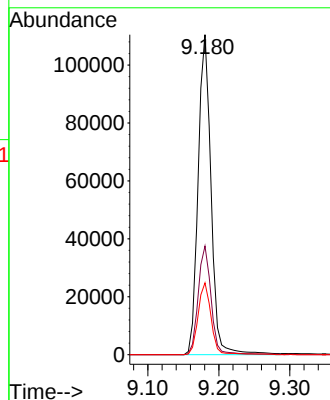
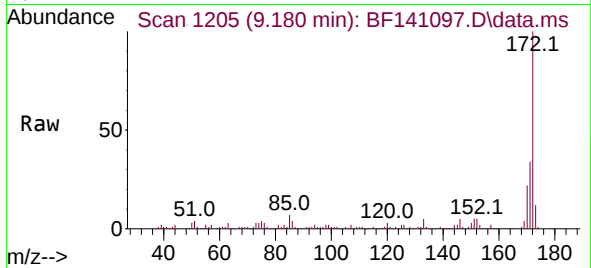




#45
2-Fluorobiphenyl
Concen: 8.698 ng
RT: 9.180 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141097.D
Acq: 08 Jan 2025 21:08

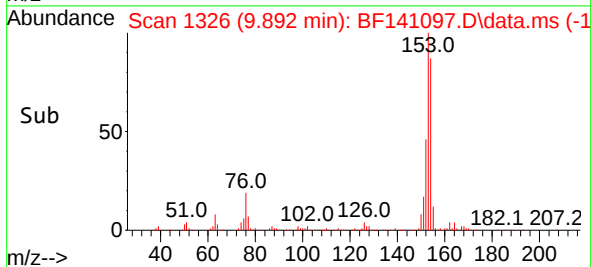
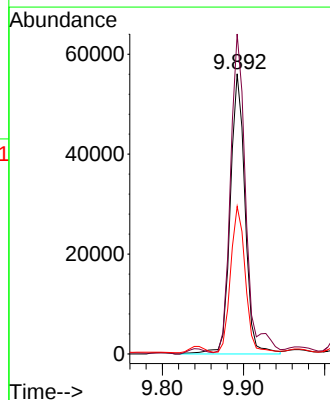
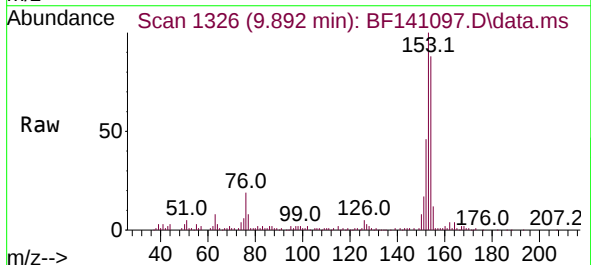
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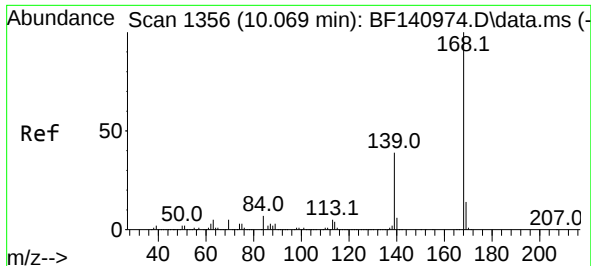
Tgt Ion:172 Resp: 140363
Ion Ratio Lower Upper
172 100
171 33.9 29.0 43.4
170 22.4 19.6 29.4



#52
Acenaphthene
Concen: 4.765 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF141097.D
Acq: 08 Jan 2025 21:08

Tgt Ion:154 Resp: 70800
Ion Ratio Lower Upper
154 100
153 114.2 89.2 133.8
152 52.6 40.9 61.3

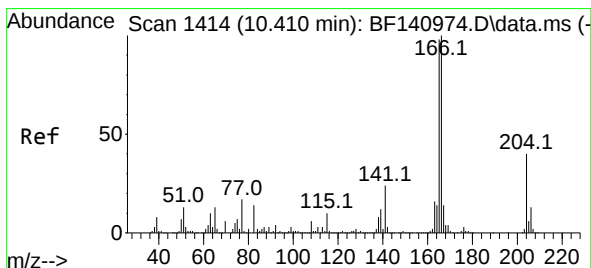
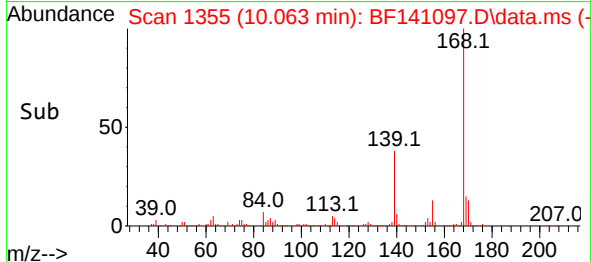
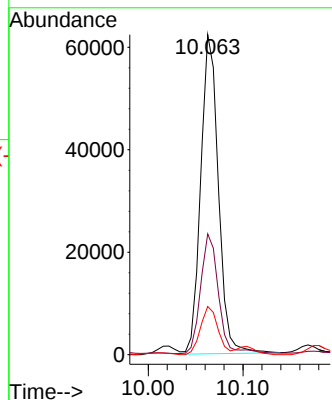
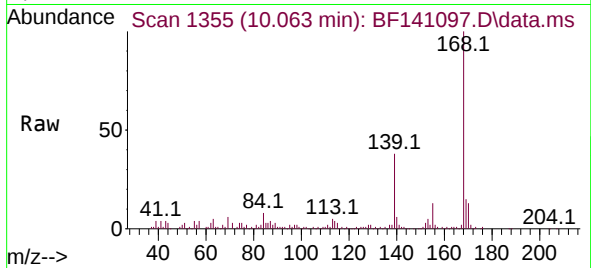




#55
Dibenzenofuran
Concen: 3.871 ng
RT: 10.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141097.D
Acq: 08 Jan 2025 21:08

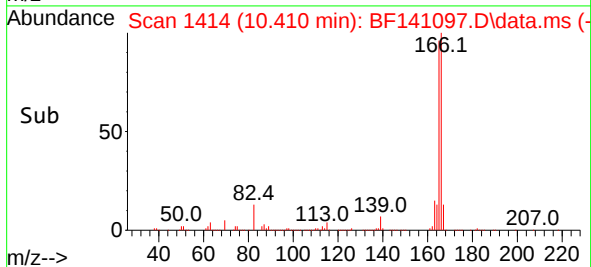
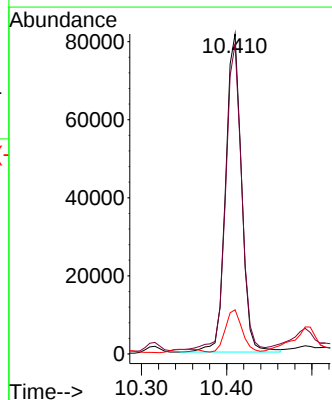
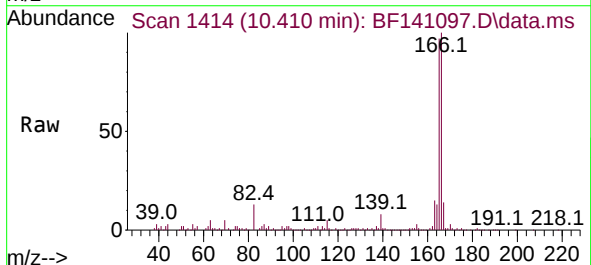
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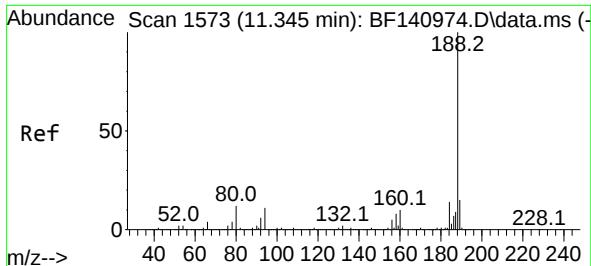
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Ion Ratio Lower Upper
168 100
139 37.7 31.6 47.4
169 15.0 11.0 16.6



#58
Fluorene
Concen: 6.519 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF141097.D
Acq: 08 Jan 2025 21:08

Tgt Ion:166 Resp: 105564
Ion Ratio Lower Upper
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165 96.8 78.3 117.5
167 13.8 10.9 16.3

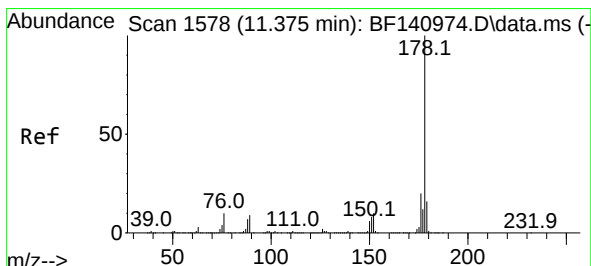
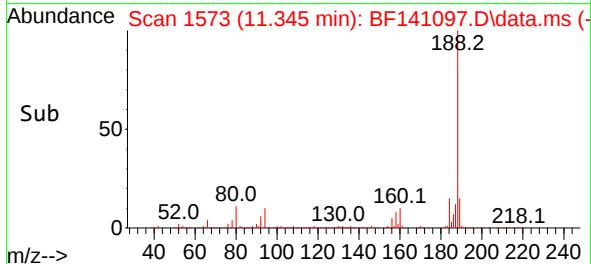
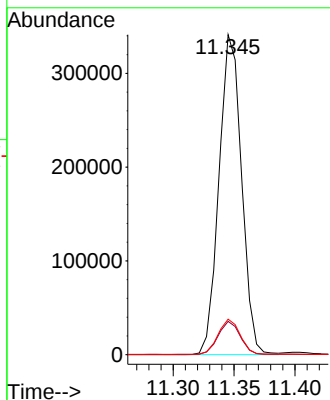
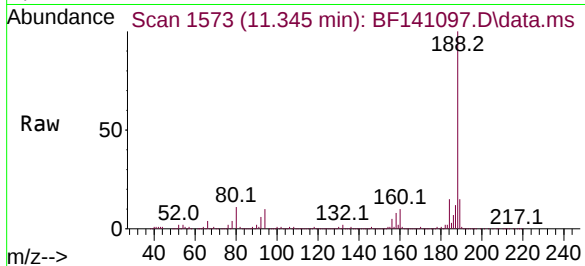




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141097.D
Acq: 08 Jan 2025 21:08

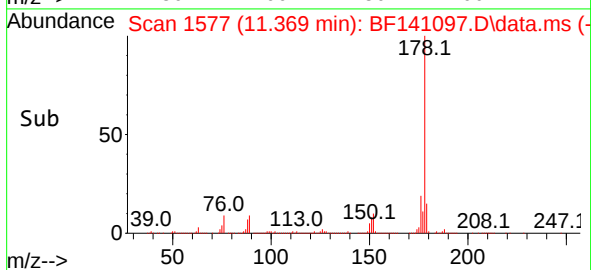
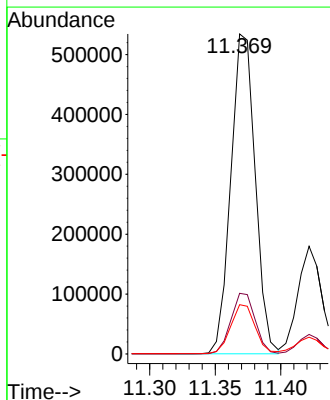
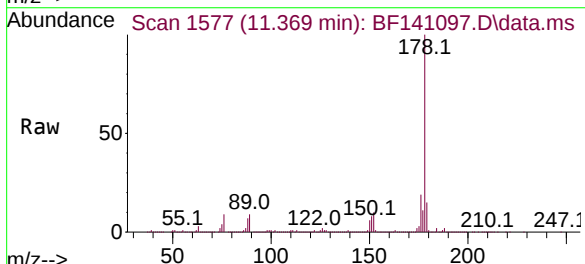
Instrument :
BNA_F
ClientSampleId :
OR-03-010725

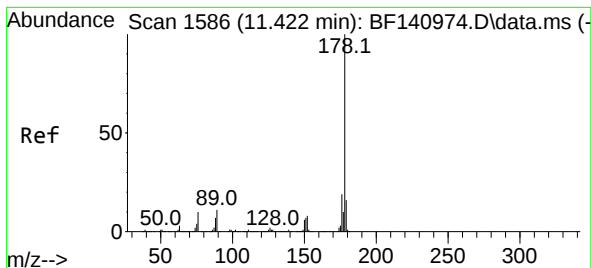
Tgt Ion:188 Resp: 439906
Ion Ratio Lower Upper
188 100
94 10.4 9.0 13.6
80 11.1 9.8 14.6



#71
Phenanthrene
Concen: 29.878 ng
RT: 11.369 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF141097.D
Acq: 08 Jan 2025 21:08

Tgt Ion:178 Resp: 691758
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.6
179 15.4 12.6 19.0





#72

Anthracene

Concen: 10.332 ng

RT: 11.422 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF141097.D

Acq: 08 Jan 2025 21:08

Instrument :

BNA_F

ClientSampleId :

OR-03-010725

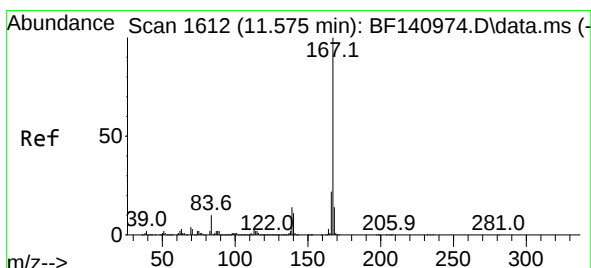
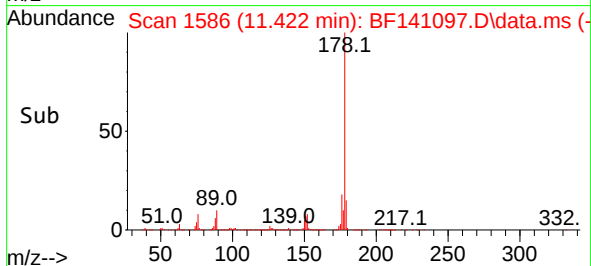
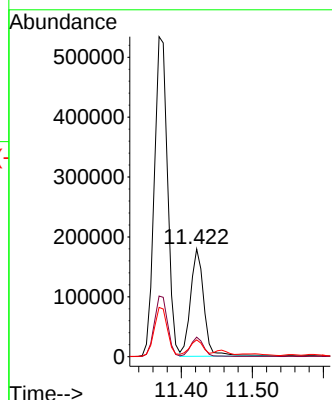
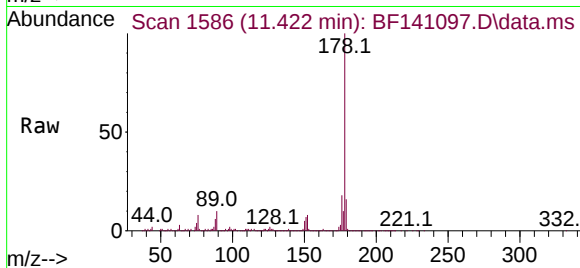
Tgt Ion:178 Resp: 234408

Ion Ratio Lower Upper

178 100

176 18.1 15.3 22.9

179 15.7 12.9 19.3



#73

Carbazole

Concen: 2.723 ng

RT: 11.574 min Scan# 1612

Delta R.T. -0.000 min

Lab File: BF141097.D

Acq: 08 Jan 2025 21:08

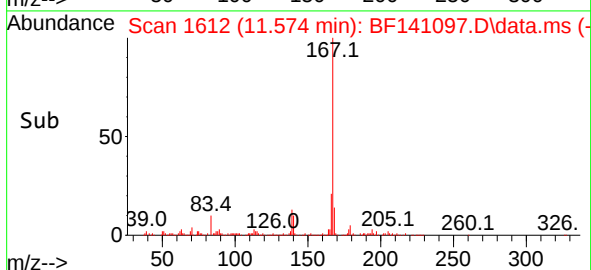
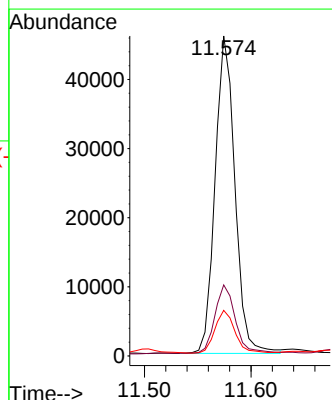
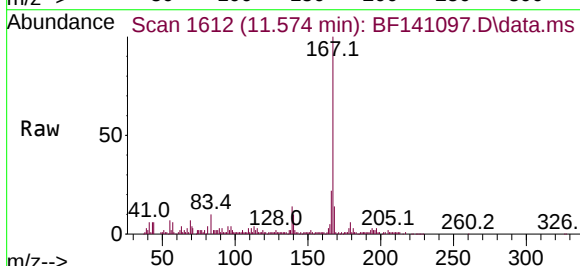
Tgt Ion:167 Resp: 59381

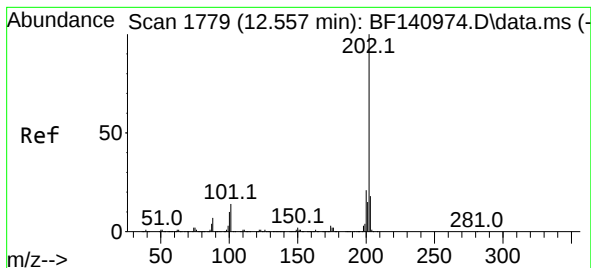
Ion Ratio Lower Upper

167 100

166 22.2 17.5 26.3

139 14.2 11.0 16.4





#75

Fluoranthene

Concen: 32.846 ng

RT: 12.563 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF141097.D

Acq: 08 Jan 2025 21:08

Instrument :

BNA_F

ClientSampleId :

OR-03-010725

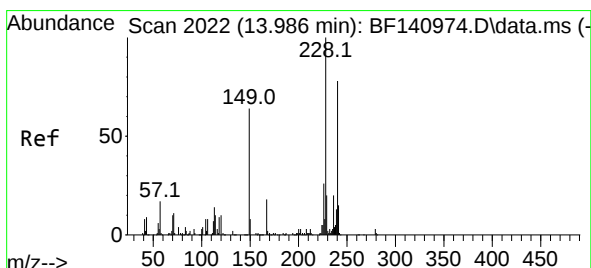
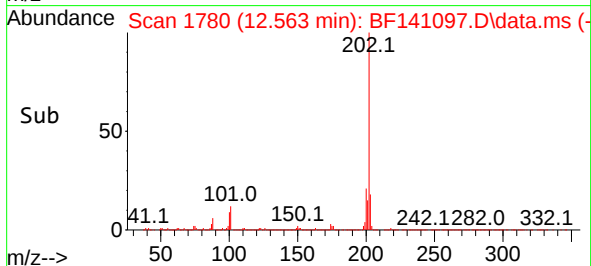
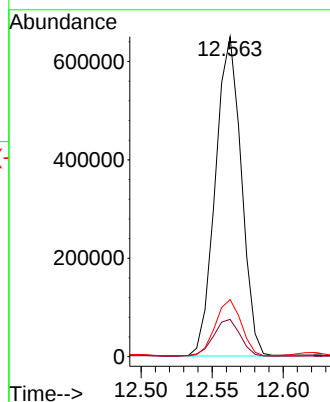
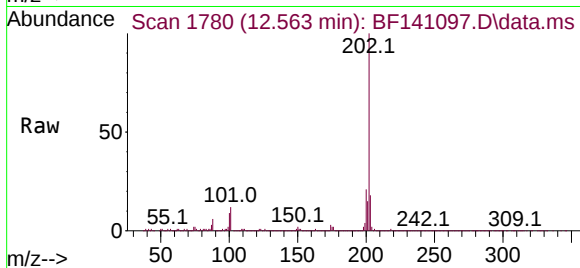
Tgt Ion:202 Resp: 824793

Ion Ratio Lower Upper

202 100

101 11.6 0.0 33.7

203 17.9 0.0 38.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.000 min

Lab File: BF141097.D

Acq: 08 Jan 2025 21:08

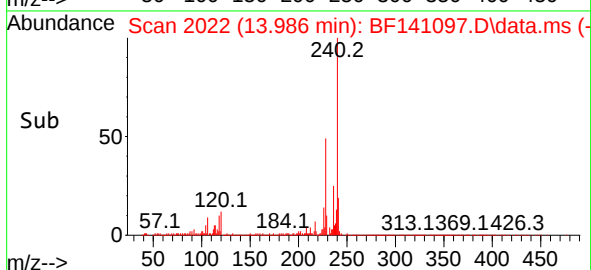
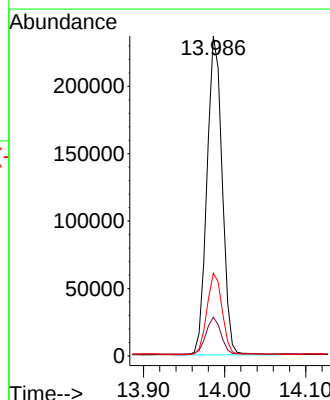
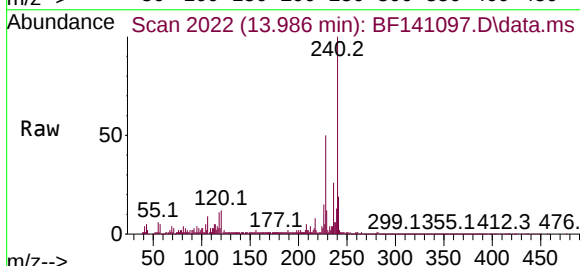
Tgt Ion:240 Resp: 306910

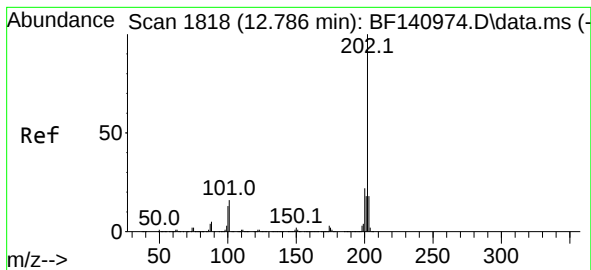
Ion Ratio Lower Upper

240 100

120 12.1 10.7 16.1

236 25.9 20.6 31.0





#78

Pyrene

Concen: 26.009 ng

RT: 12.792 min Scan# 1819

Delta R.T. 0.006 min

Lab File: BF141097.D

Acq: 08 Jan 2025 21:08

Instrument :

BNA_F

ClientSampleId :

OR-03-010725

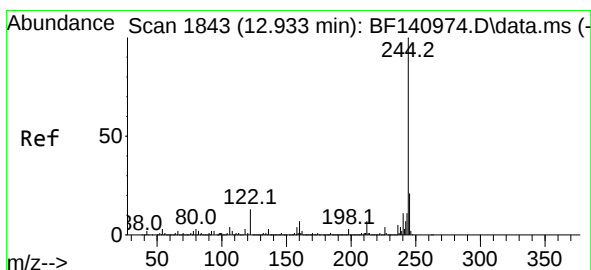
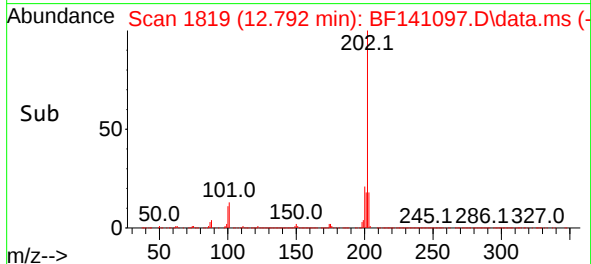
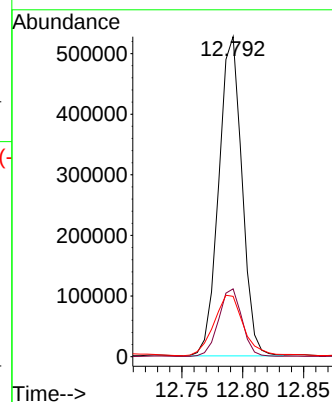
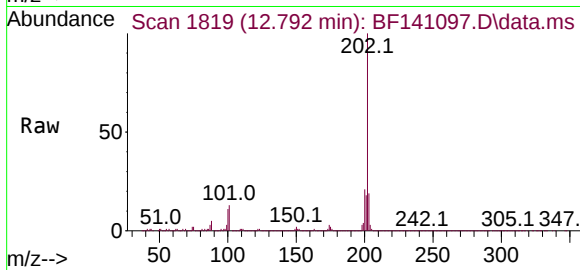
Tgt Ion:202 Resp: 698115

Ion Ratio Lower Upper

202 100

200 21.2 17.3 25.9

203 18.8 14.6 21.8



#79

Terphenyl-d14

Concen: 8.832 ng

RT: 12.933 min Scan# 1843

Delta R.T. -0.000 min

Lab File: BF141097.D

Acq: 08 Jan 2025 21:08

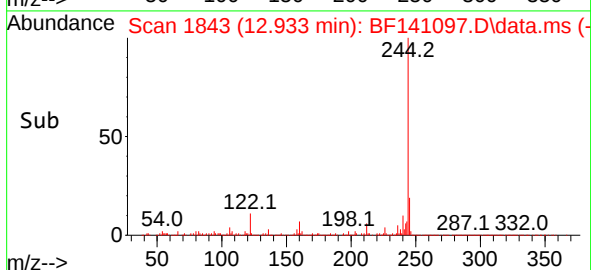
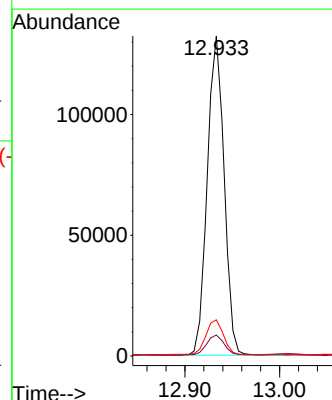
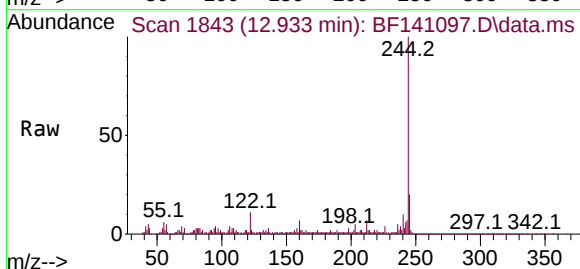
Tgt Ion:244 Resp: 163193

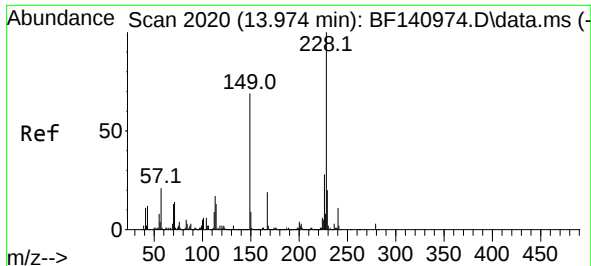
Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

122 11.3 10.2 15.2

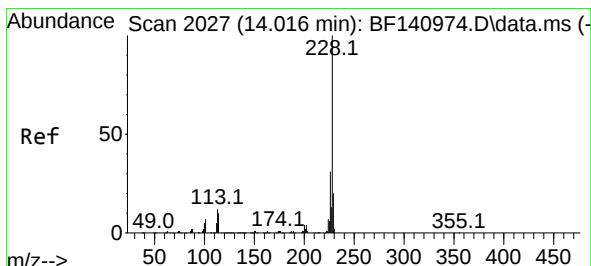
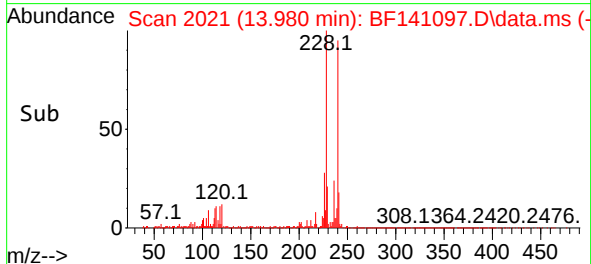
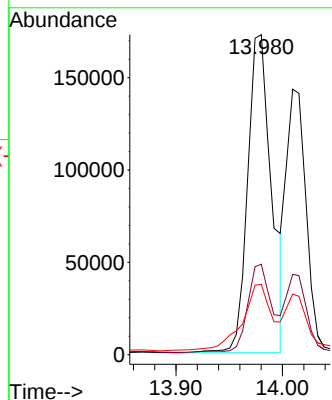
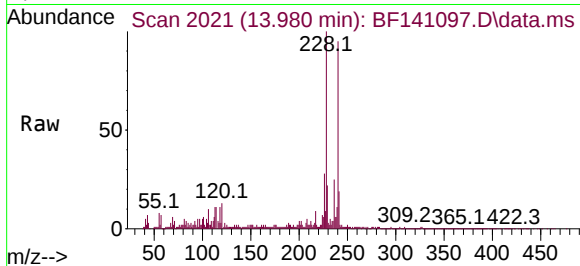




#81
Benzo(a)anthracene
Concen: 12.512 ng
RT: 13.980 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF141097.D
Acq: 08 Jan 2025 21:08

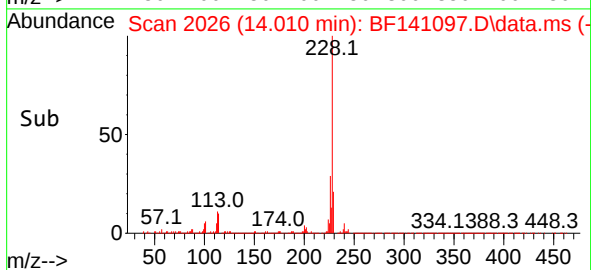
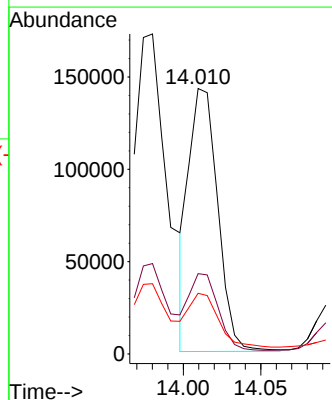
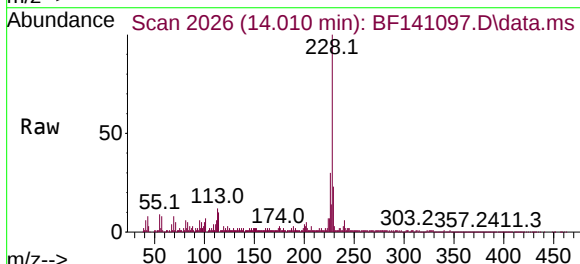
Instrument :
BNA_F
ClientSampleId :
OR-03-010725

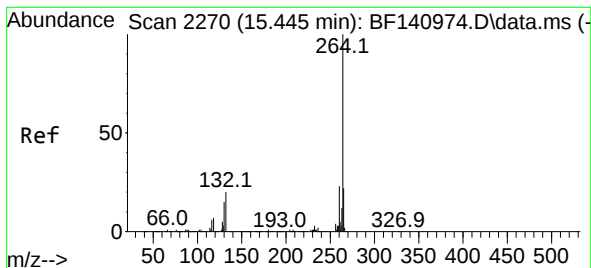
Tgt Ion:228 Resp: 267638
Ion Ratio Lower Upper
228 100
226 28.2 22.1 33.1
229 22.0 16.2 24.2



#83
Chrysene
Concen: 9.596 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF141097.D
Acq: 08 Jan 2025 21:08

Tgt Ion:228 Resp: 185030
Ion Ratio Lower Upper
228 100
226 30.3 24.5 36.7
229 22.9 16.2 24.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF141097.D

Acq: 08 Jan 2025 21:08

Instrument :

BNA_F

ClientSampleId :

OR-03-010725

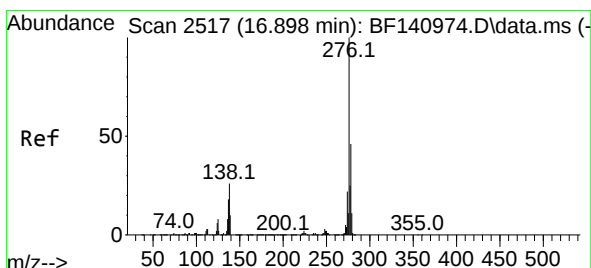
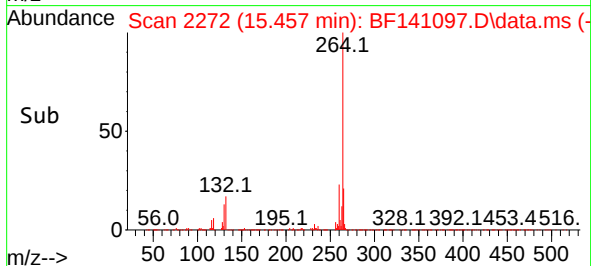
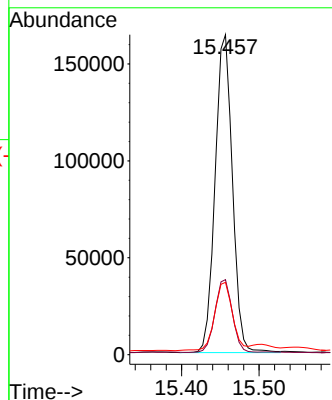
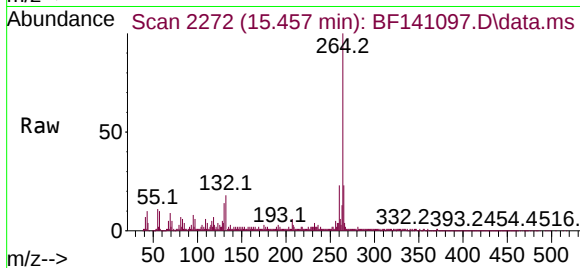
Tgt Ion:264 Resp: 255192

Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

265 22.6 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.321 ng m

RT: 16.909 min Scan# 2519

Delta R.T. 0.012 min

Lab File: BF141097.D

Acq: 08 Jan 2025 21:08

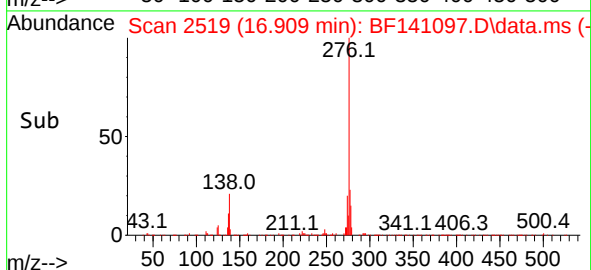
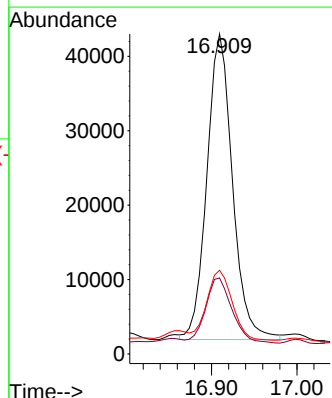
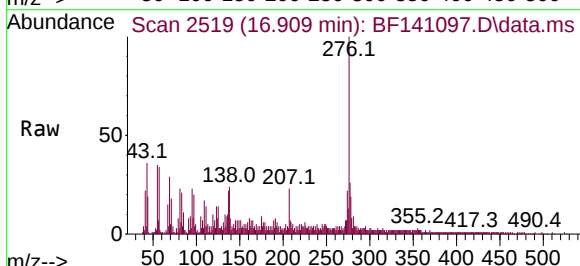
Tgt Ion:276 Resp: 85546

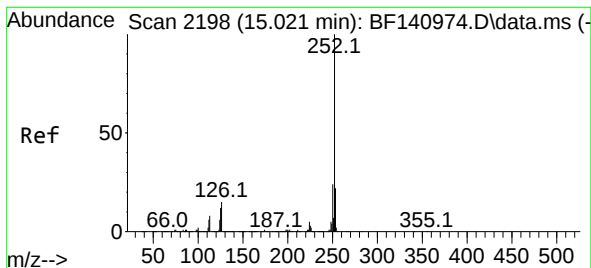
Ion Ratio Lower Upper

276 100

138 5.2 23.1 34.7#

277 3.9 20.4 30.6#





#88

Benzo(b)fluoranthene

Concen: 11.391 ng m

RT: 15.033 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF141097.D

Acq: 08 Jan 2025 21:08

Instrument :

BNA_F

ClientSampleId :

OR-03-010725

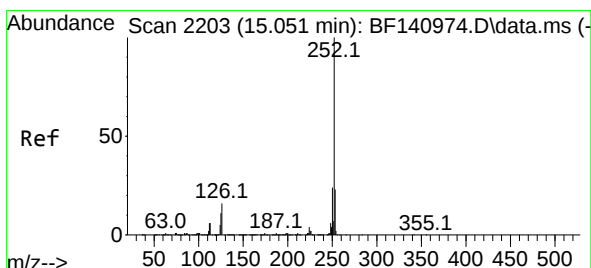
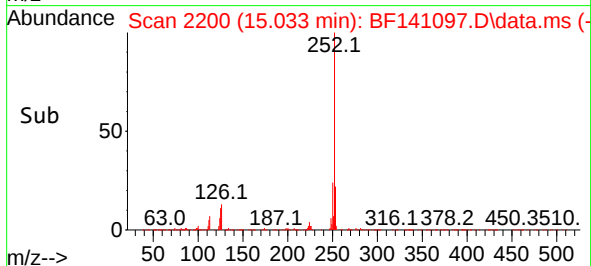
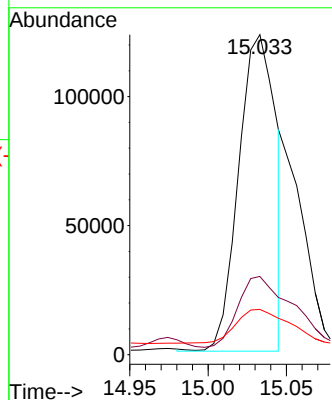
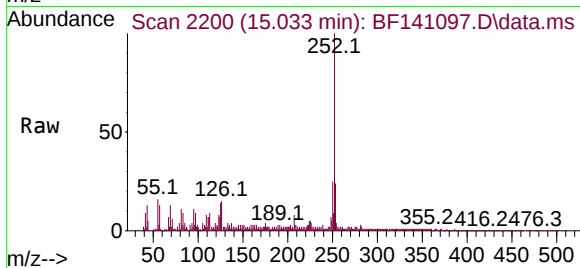
Tgt Ion:252 Resp: 202741

Ion Ratio Lower Upper

252 100

253 24.4 17.7 26.5

125 14.2 9.3 13.9#



#89

Benzo(k)fluoranthene

Concen: 5.700 ng m

RT: 15.045 min Scan# 2202

Delta R.T. -0.006 min

Lab File: BF141097.D

Acq: 08 Jan 2025 21:08

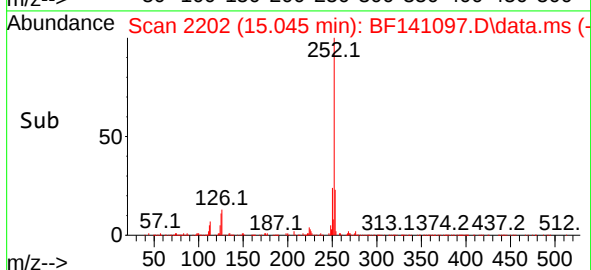
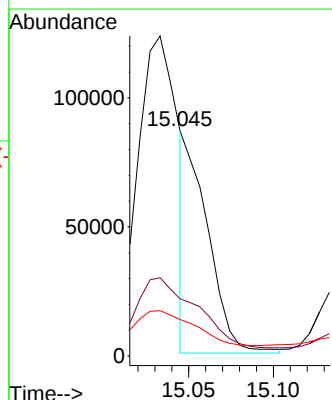
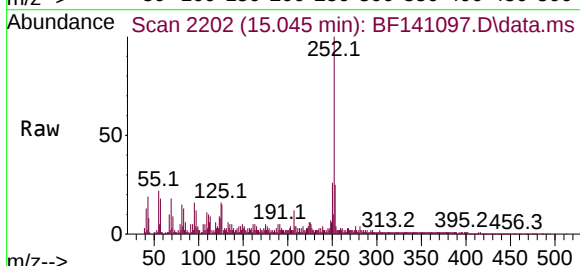
Tgt Ion:252 Resp: 79513

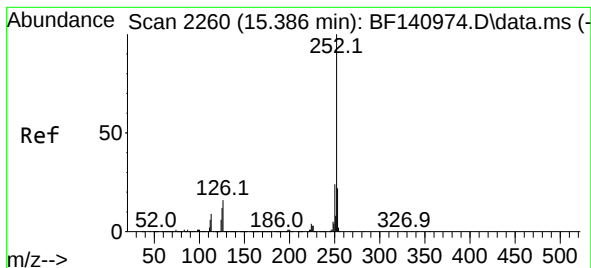
Ion Ratio Lower Upper

252 100

253 25.4 17.8 26.8

125 16.2 9.4 14.0#





#90

Benzo(a)pyrene

Concen: 11.206 ng

RT: 15.392 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF141097.D

Acq: 08 Jan 2025 21:08

Instrument :

BNA_F

ClientSampleId :

OR-03-010725

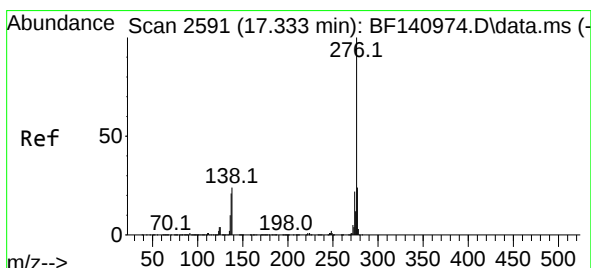
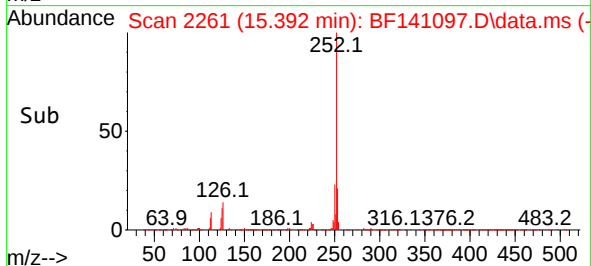
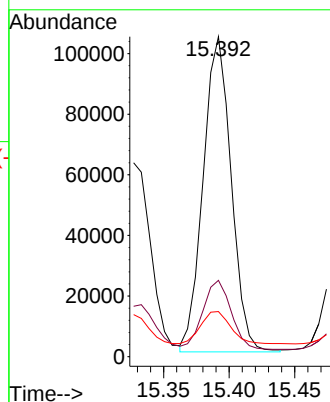
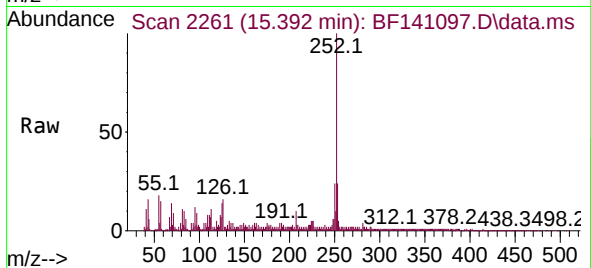
Tgt Ion:252 Resp: 154808

Ion Ratio Lower Upper

252 100

253 23.8 17.2 25.8

125 14.1 9.8 14.8



#92

Benzo(g,h,i)perylene

Concen: 6.123 ng

RT: 17.351 min Scan# 2594

Delta R.T. 0.018 min

Lab File: BF141097.D

Acq: 08 Jan 2025 21:08

Tgt Ion:276 Resp: 82766

Ion Ratio Lower Upper

276 100

277 27.6 19.0 28.4

138 23.8 19.4 29.2

