

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
 Data File : BF141045.D
 Acq On : 30 Dec 2024 21:37
 Operator : RC/JU
 Sample : P5318-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-122024

Quant Time: Dec 31 00:17:24 2024
 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

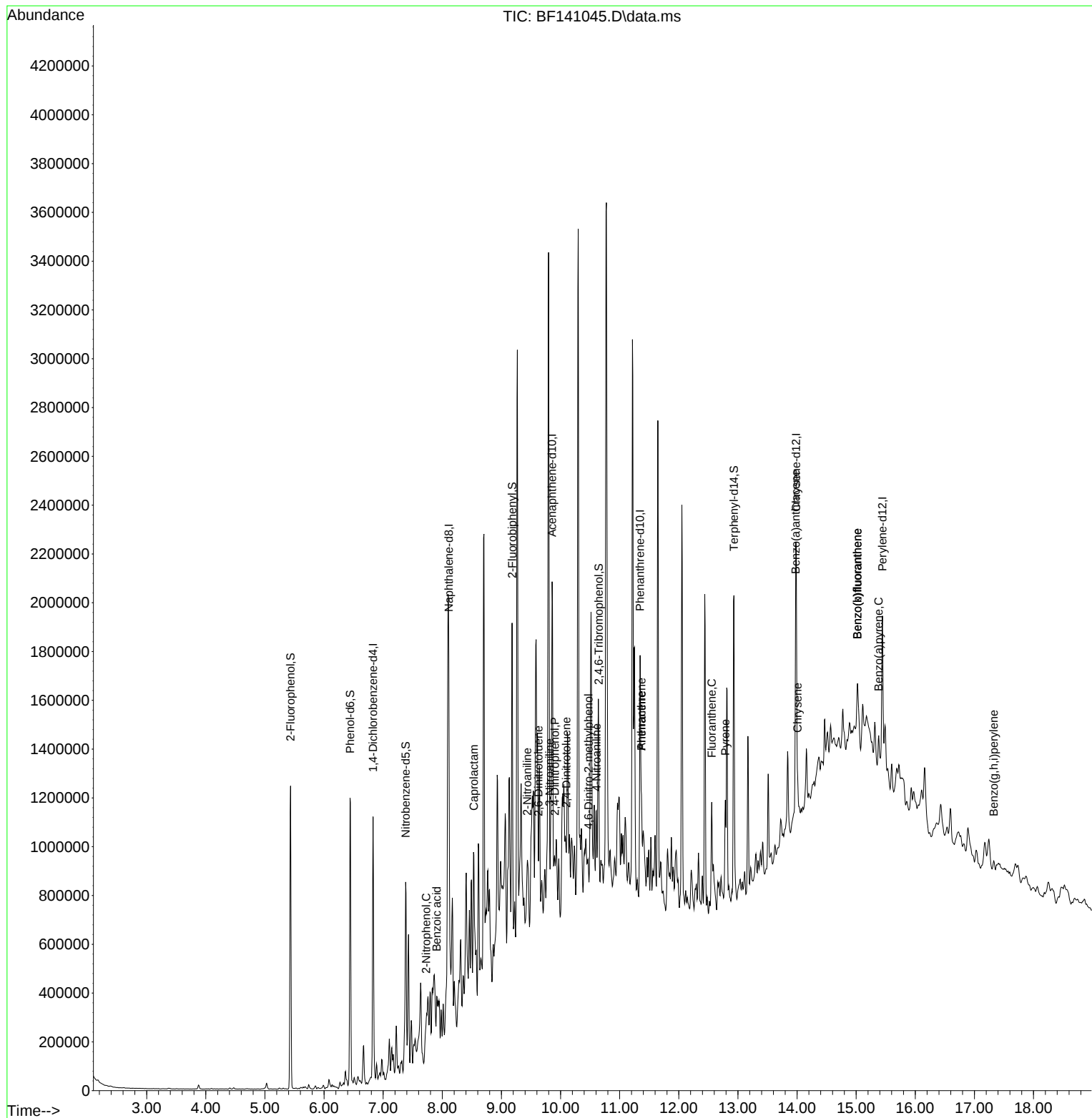
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	214473	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	741436	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	317819	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	493586	20.000	ng	0.00
76) Chrysene-d12	13.986	240	481756	20.000	ng	0.00
86) Perylene-d12	15.445	264	366661	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	464380	32.638	ng	0.00
7) Phenol-d6	6.440	99	546139	29.796	ng	-0.01
23) Nitrobenzene-d5	7.381	82	317755	27.419	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	93386	30.239	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	555130	27.829	ng	0.00
79) Terphenyl-d14	12.933	244	585883	20.200	ng	0.00
Target Compounds						
9) Benzaldehyde	6.387	77	1346	Below Cal	Qvalue	# 1
26) 2-Nitrophenol	7.728	139	1003	5.470	ng	# 1
32) Benzoic acid	7.904	122	2652	7.986	ng	# 1
35) Caprolactam	8.534	113	15353	4.321	ng	# 1
48) 2-Nitroaniline	9.439	65	4493	5.466	ng	# 50
51) 2,6-Dinitrotoluene	9.628	165	2466	4.189	ng	# 80
53) 3-Nitroaniline	9.816	138	802	3.426	ng	# 59
54) 2,4-Dinitrophenol	9.904	184	182	6.347	ng	# 1
57) 2,4-Dinitrotoluene	10.098	165	2288	4.897	ng	# 59
62) 4-Nitroaniline	10.610	138	1032	3.553	ng	# 85
65) 4,6-Dinitro-2-methylph...	10.475	198	468	9.535	ng	# 1
71) Phenanthrene	11.369	178	184271	7.093	ng	# 97
72) Anthracene	11.369	178	184271	7.239	ng	# 98
75) Fluoranthene	12.557	202	233054	8.272	ng	# 98
78) Pyrene	12.786	202	227209	5.393	ng	# 98
81) Benzo(a)anthracene	13.974	228	133740	3.983	ng	# 90
83) Chrysene	14.010	228	106829	3.530	ng	# 91
88) Benzo(b)fluoranthene	15.021	252	183667	7.182	ng	# 83
89) Benzo(k)fluoranthene	15.021	252	183667	9.164	ng	# 84
90) Benzo(a)pyrene	15.380	252	82039	4.133	ng	# 77
92) Benzo(g,h,i)perylene	17.327	276	40448	2.083	ng	# 87

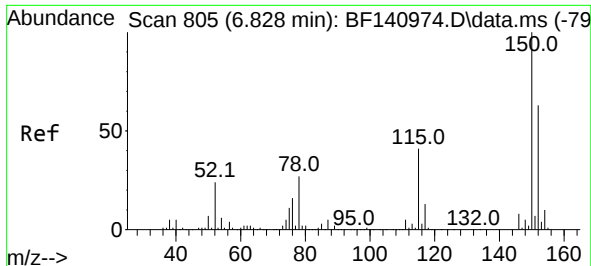
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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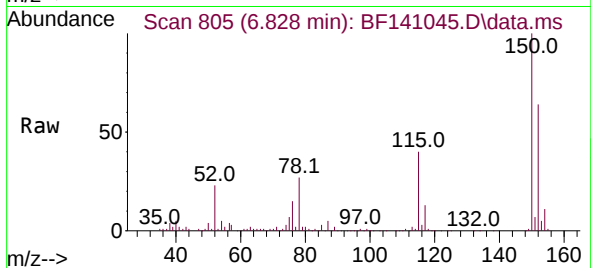
Quant Time: Dec 31 00:17:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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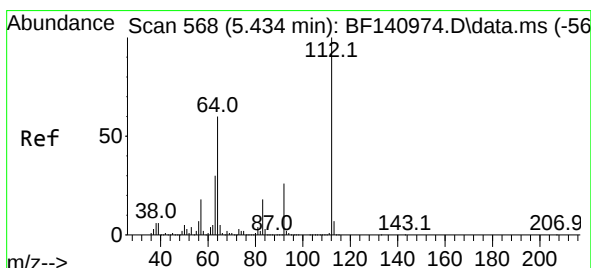
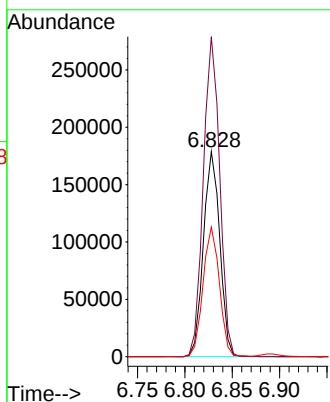
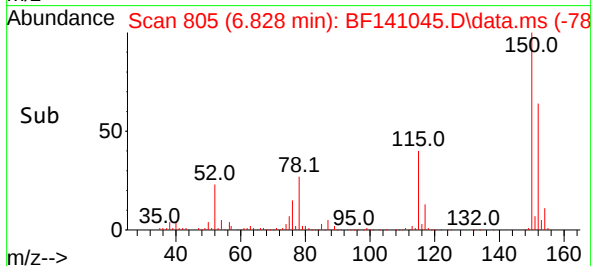


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF141045.D
Acq: 30 Dec 2024 21:37

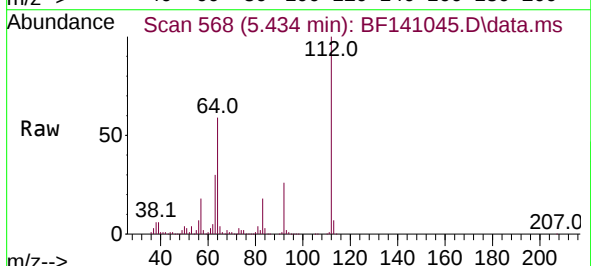
Instrument :
BNA_F
ClientSampleId :
AU-06-122024



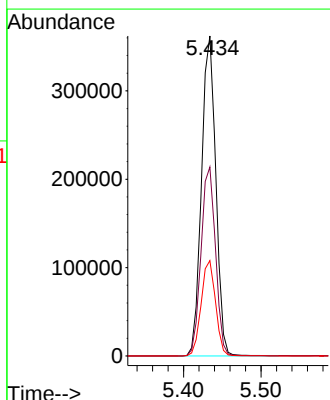
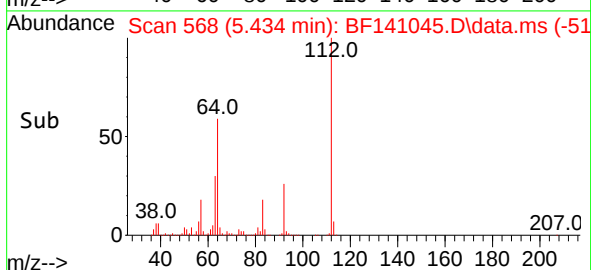
Tgt Ion:152 Resp: 214473
Ion Ratio Lower Upper
152 100
150 156.0 127.0 190.6
115 63.2 51.7 77.5

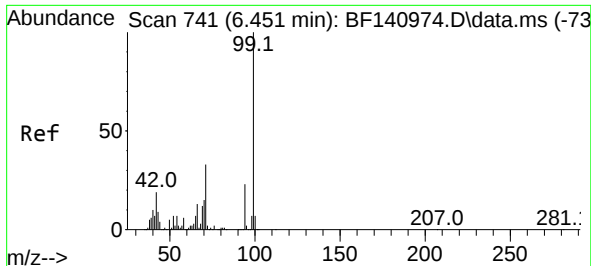


#5
2-Fluorophenol
Concen: 32.638 ng
RT: 5.434 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF141045.D
Acq: 30 Dec 2024 21:37



Tgt Ion:112 Resp: 464380
Ion Ratio Lower Upper
112 100
64 59.1 47.7 71.5
63 29.8 24.2 36.2

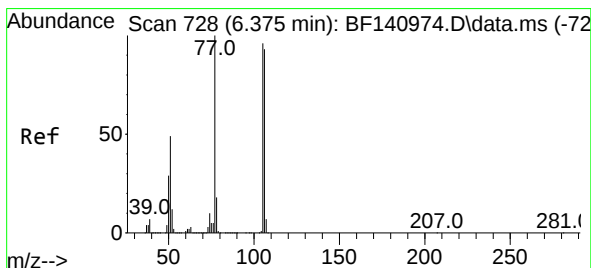
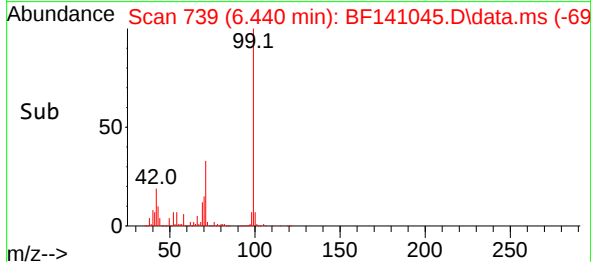
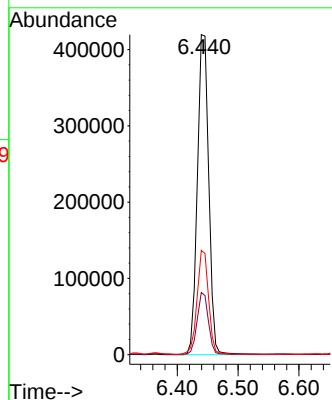
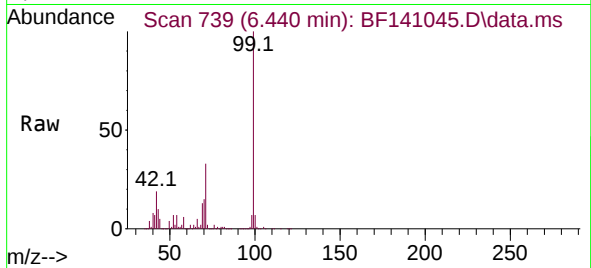




#7
Phenol-d6
Concen: 29.796 ng
RT: 6.440 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141045.D
Acq: 30 Dec 2024 21:37

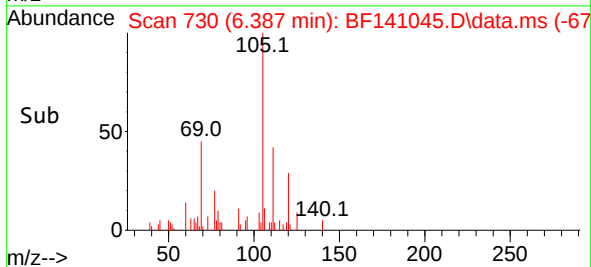
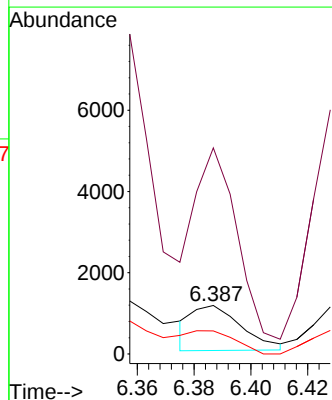
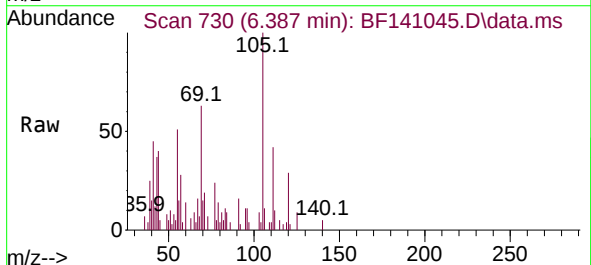
Instrument :
BNA_F
ClientSampleId :
AU-06-122024

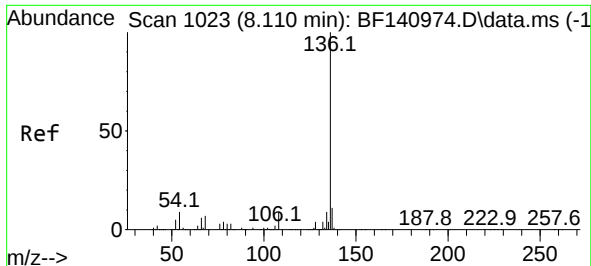
Tgt Ion: 99 Resp: 546139
Ion Ratio Lower Upper
99 100
42 19.4 15.0 22.4
71 32.6 26.2 39.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.387 min Scan# 730
Delta R.T. 0.012 min
Lab File: BF141045.D
Acq: 30 Dec 2024 21:37

Tgt Ion: 77 Resp: 1346
Ion Ratio Lower Upper
77 100
105 425.5 76.2 116.2#
106 47.7 73.4 113.4#

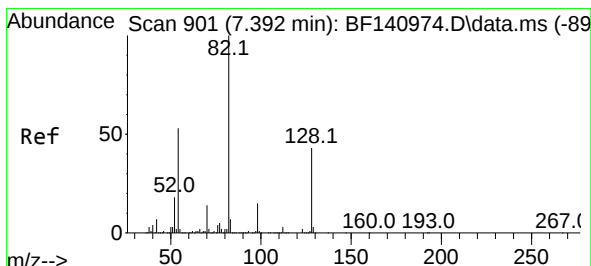
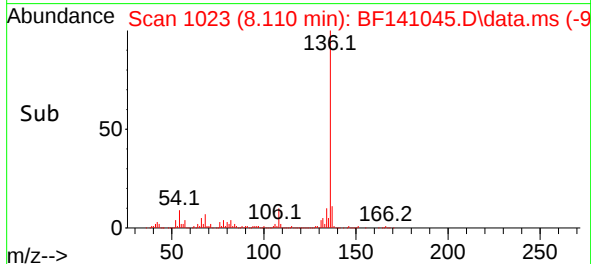
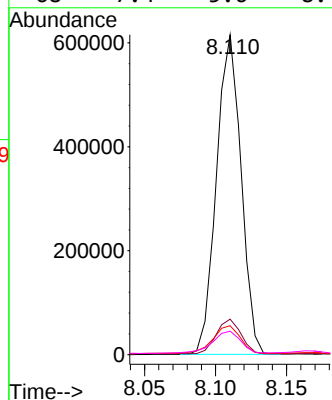
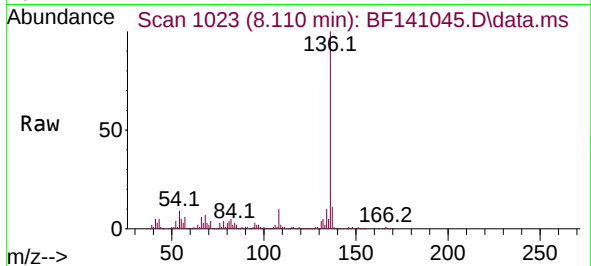




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF141045.D
Acq: 30 Dec 2024 21:37

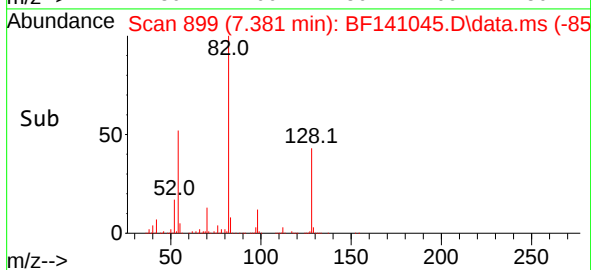
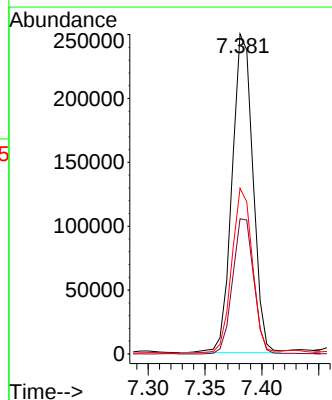
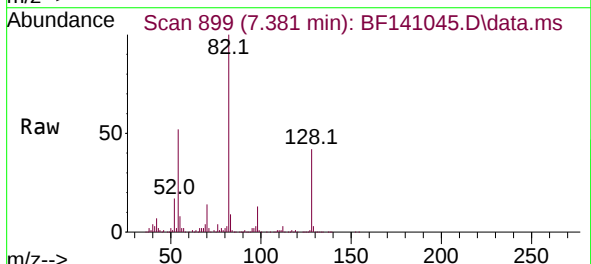
Instrument :
BNA_F
ClientSampleId :
AU-06-122024

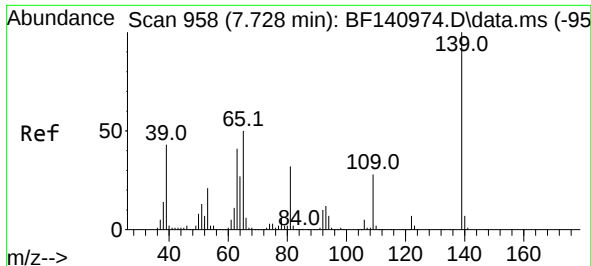
Tgt Ion:	136	Resp:	741436
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	9.0	7.6	11.4
68	7.4	5.6	8.4



#23
Nitrobenzene-d5
Concen: 27.419 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141045.D
Acq: 30 Dec 2024 21:37

Tgt Ion:	82	Resp:	317755
Ion	Ratio	Lower	Upper
82	100		
128	42.2	34.4	51.6
54	51.7	42.4	63.6

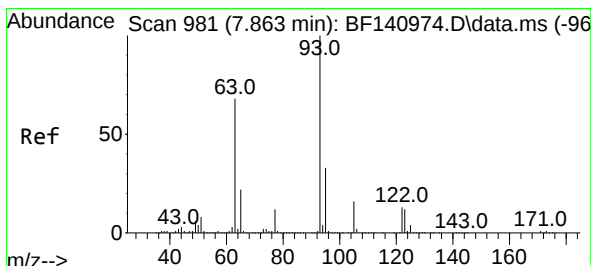
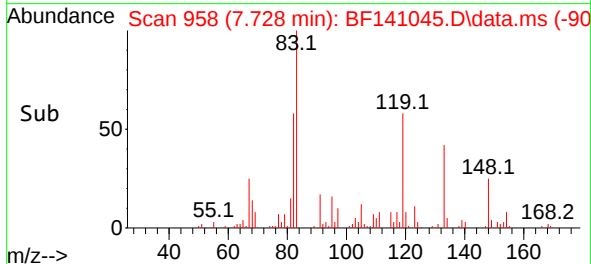
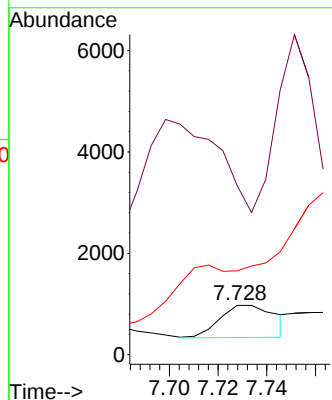
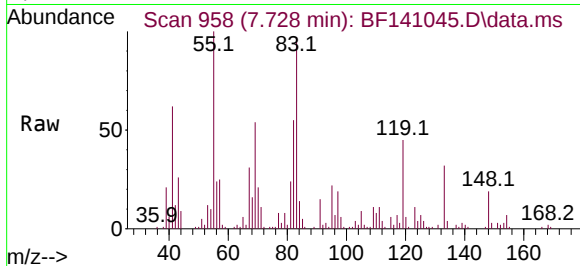




#26
2-Nitrophenol
Concen: 5.470 ng
RT: 7.728 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF141045.D
Acq: 30 Dec 2024 21:37

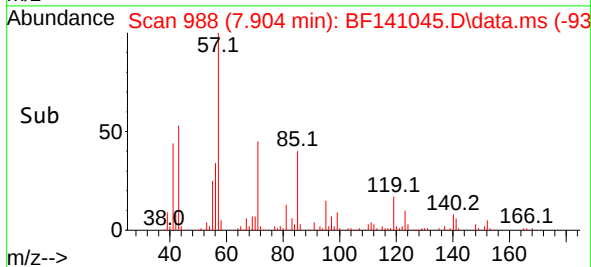
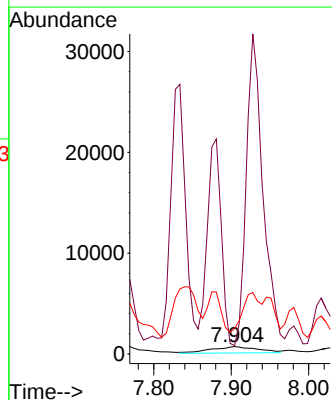
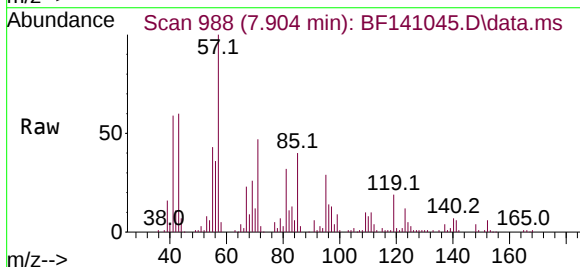
Instrument :
BNA_F
ClientSampleId :
AU-06-122024

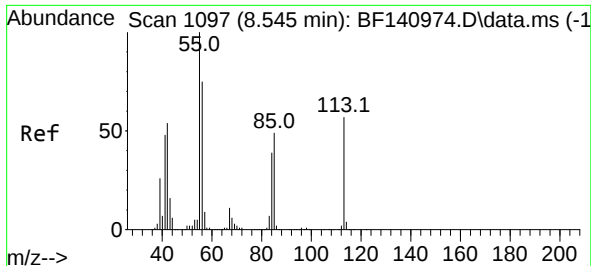
Tgt Ion:139 Resp: 1003
Ion Ratio Lower Upper
139 100
109 343.1 22.2 33.4#
65 170.1 40.2 60.4#



#32
Benzoic acid
Concen: 7.986 ng
RT: 7.904 min Scan# 988
Delta R.T. 0.041 min
Lab File: BF141045.D
Acq: 30 Dec 2024 21:37

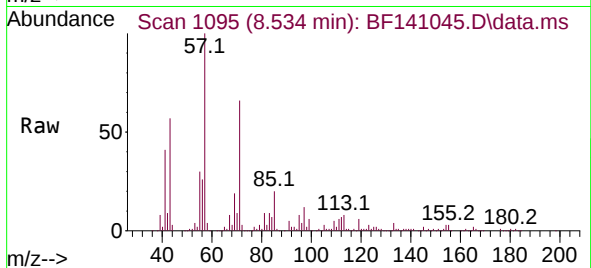
Tgt Ion:122 Resp: 2652
Ion Ratio Lower Upper
122 100
105 112.2 105.4 145.4
77 340.0 76.4 116.4#



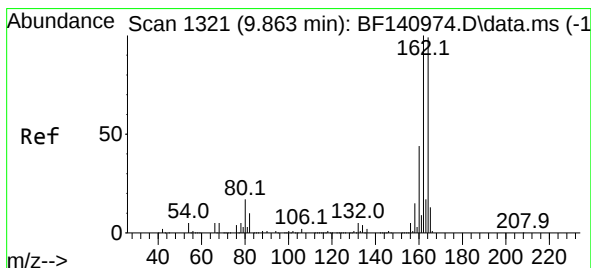
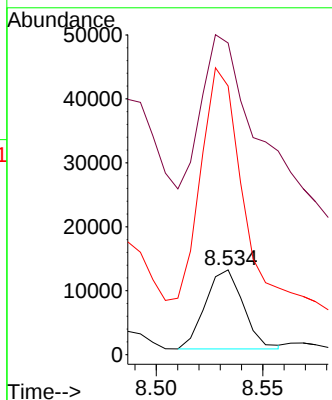
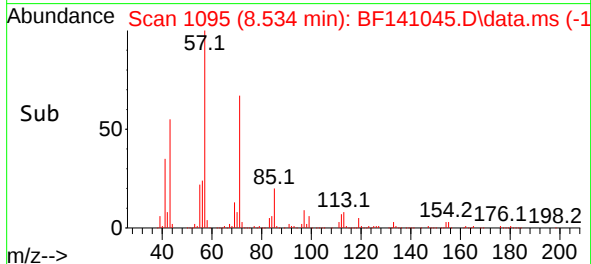


#35
Caprolactam
Concen: 4.321 ng
RT: 8.534 min Scan# 1095
Delta R.T. -0.012 min
Lab File: BF141045.D
Acq: 30 Dec 2024 21:37

Instrument :
BNA_F
ClientSampleId :
AU-06-122024

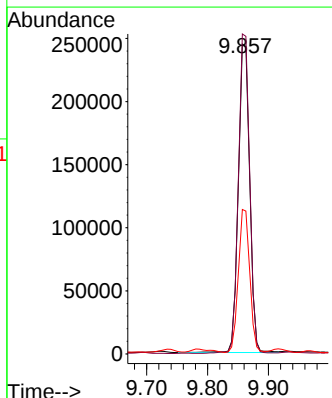
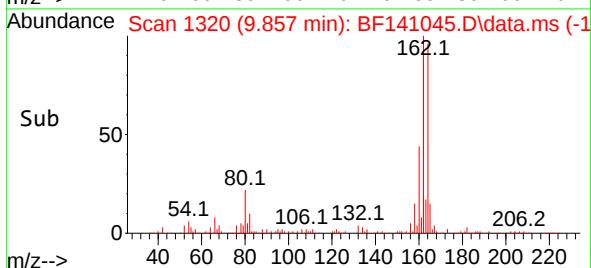
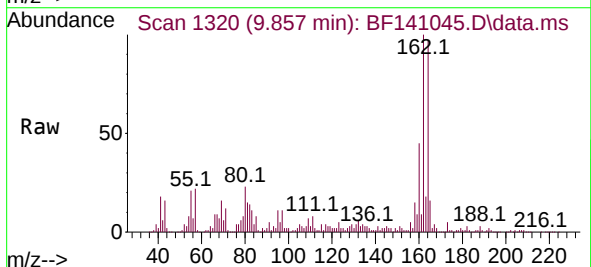


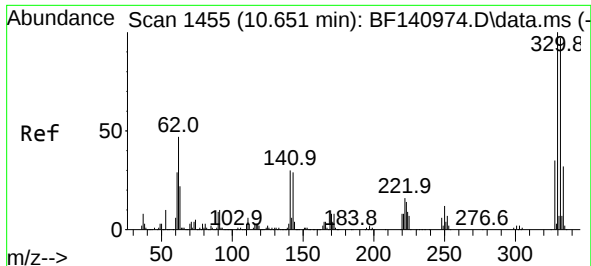
Tgt Ion:113 Resp: 15353
Ion Ratio Lower Upper
113 100
55 367.6 156.6 196.6#
56 316.6 111.7 151.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141045.D
Acq: 30 Dec 2024 21:37

Tgt Ion:164 Resp: 317819
Ion Ratio Lower Upper
164 100
162 103.3 80.6 120.8
160 46.6 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 30.239 ng

RT: 10.645 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BF141045.D

Acq: 30 Dec 2024 21:37

Instrument :

BNA_F

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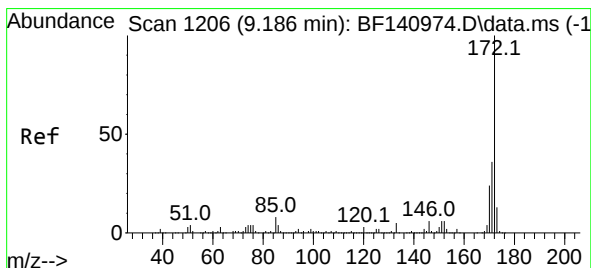
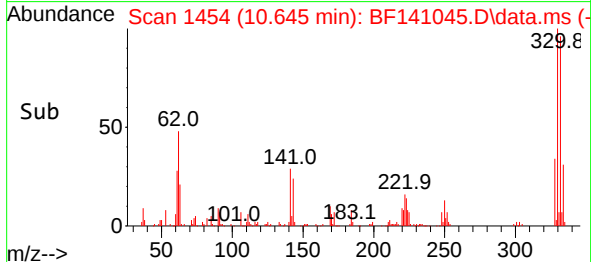
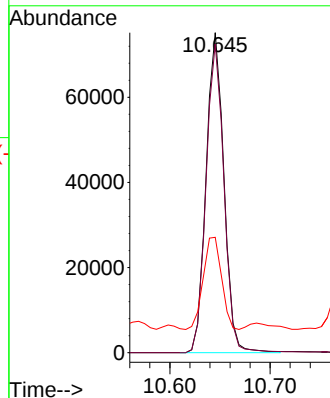
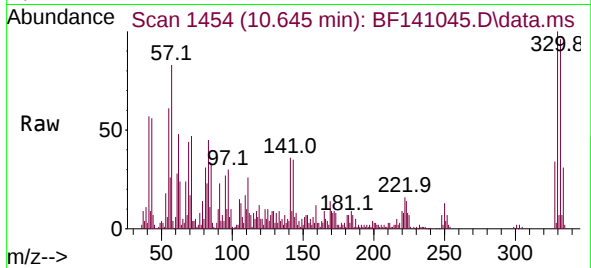
Tgt Ion:330 Resp: 93386

Ion Ratio Lower Upper

330 100

332 96.9 78.0 117.0

141 29.5 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 27.829 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF141045.D

Acq: 30 Dec 2024 21:37

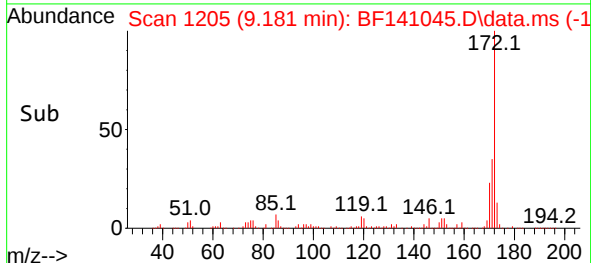
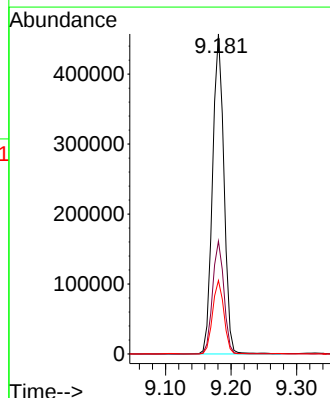
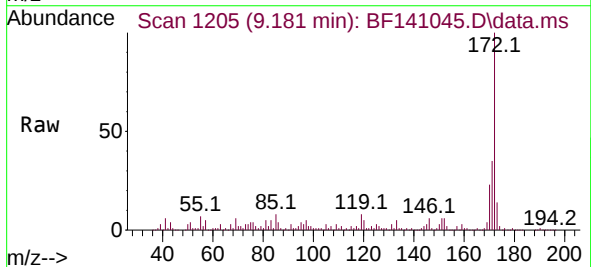
Tgt Ion:172 Resp: 555130

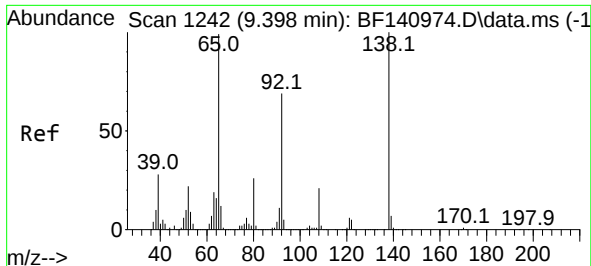
Ion Ratio Lower Upper

172 100

171 35.3 29.0 43.4

170 23.0 19.6 29.4





#48

2-Nitroaniline

Concen: 5.466 ng

RT: 9.439 min Scan# 11

Delta R.T. 0.041 min

Lab File: BF141045.D

Acq: 30 Dec 2024 21:37

Instrument :

BNA_F

ClientSampleId :

AU-06-122024

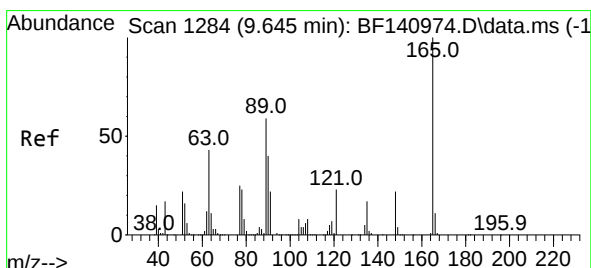
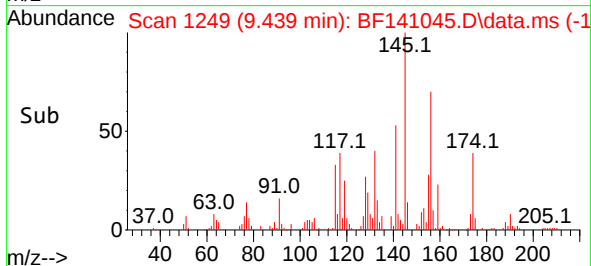
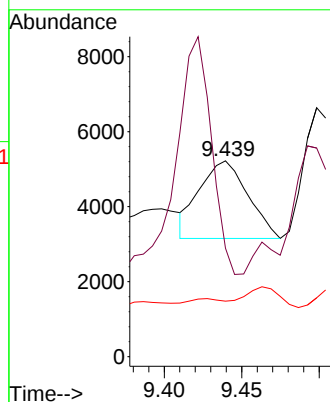
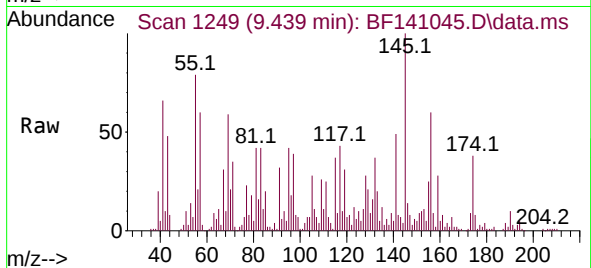
Tgt Ion: 65 Resp: 4493

Ion Ratio Lower Upper

65 100

92 55.4 55.6 83.4#

138 28.4 80.5 120.7#



#51

2,6-Dinitrotoluene

Concen: 4.189 ng

RT: 9.628 min Scan# 1281

Delta R.T. -0.017 min

Lab File: BF141045.D

Acq: 30 Dec 2024 21:37

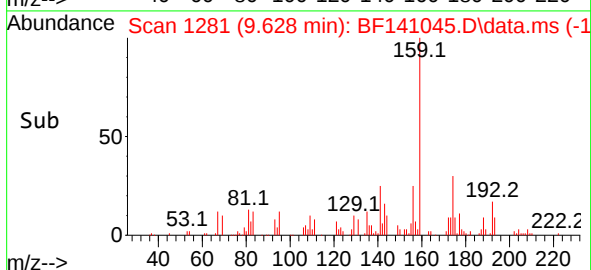
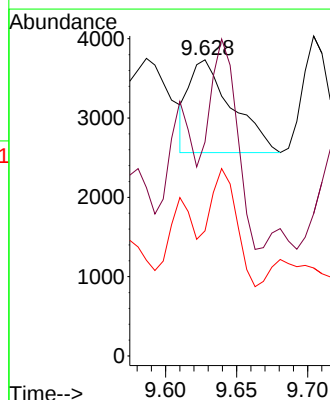
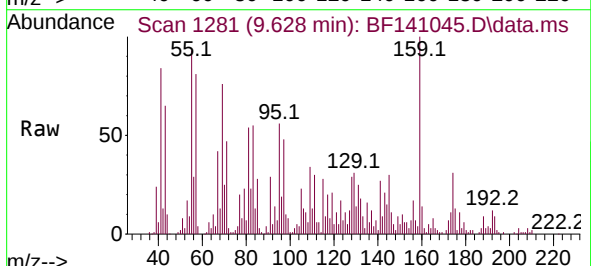
Tgt Ion: 165 Resp: 2466

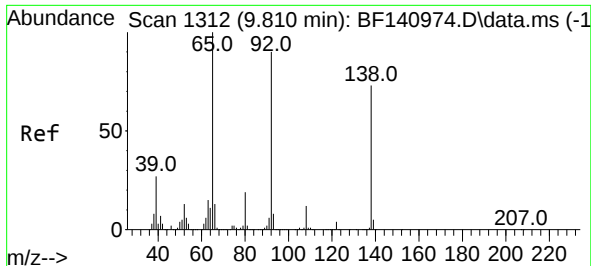
Ion Ratio Lower Upper

165 100

63 72.3 47.1 70.7#

89 42.3 47.0 70.4#

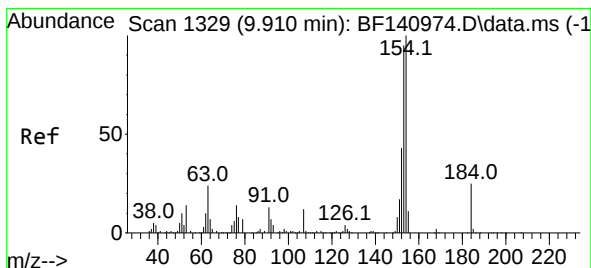
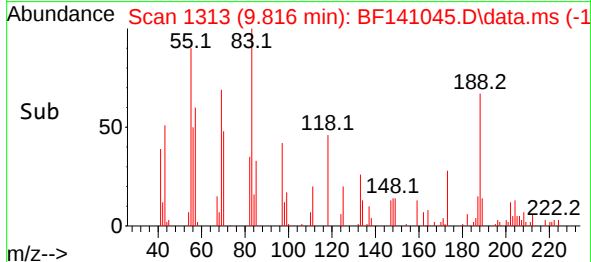
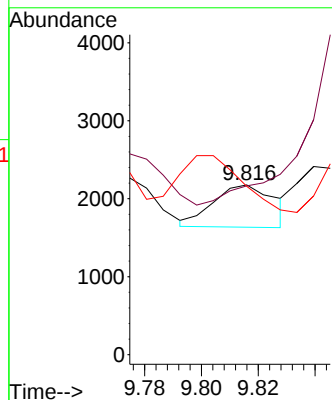
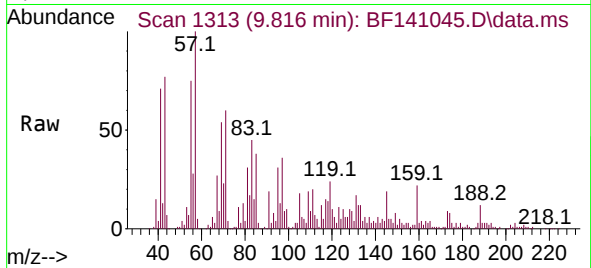




#53
3-Nitroaniline
Concen: 3.426 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141045.D
Acq: 30 Dec 2024 21:37

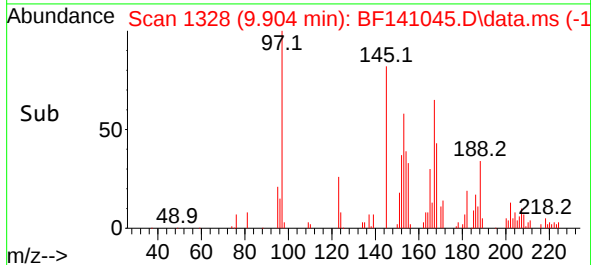
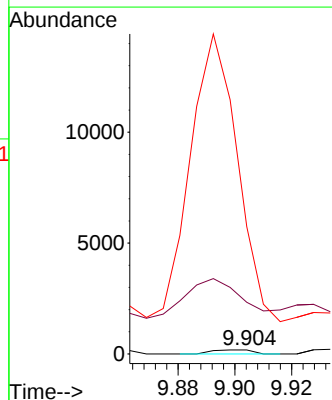
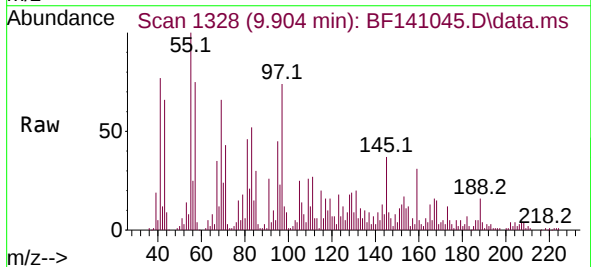
Instrument :
BNA_F
ClientSampleId :
AU-06-122024

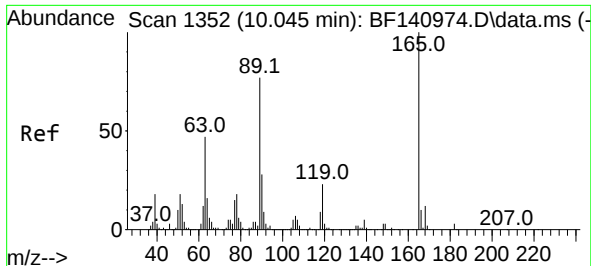
Tgt Ion:138 Resp: 802
Ion Ratio Lower Upper
138 100
108 99.4 13.5 20.3#
92 99.2 97.7 146.5



#54
2,4-Dinitrophenol
Concen: 6.347 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF141045.D
Acq: 30 Dec 2024 21:37

Tgt Ion:184 Resp: 182
Ion Ratio Lower Upper
184 100
63 1273.2 81.6 122.4#
154 3137.7 363.5 545.3#

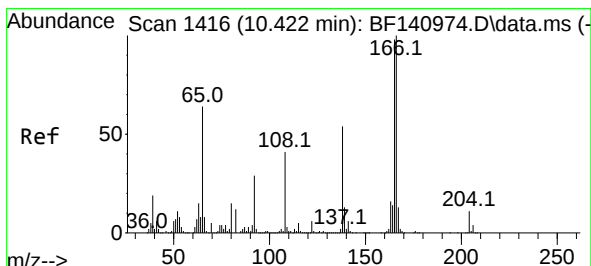
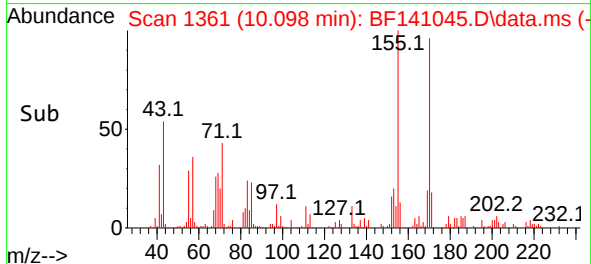
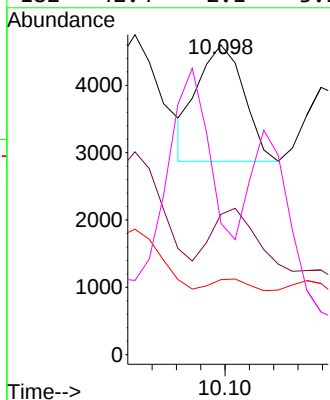
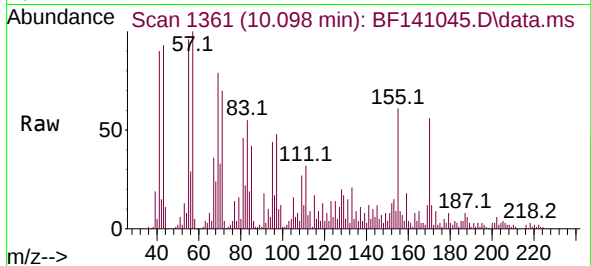




#57
2,4-Dinitrotoluene
Concen: 4.897 ng
RT: 10.098 min Scan# 11
Delta R.T. 0.053 min
Lab File: BF141045.D
Acq: 30 Dec 2024 21:37

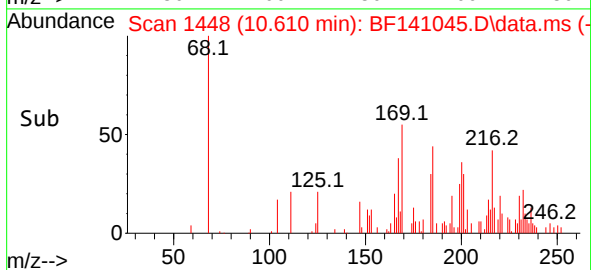
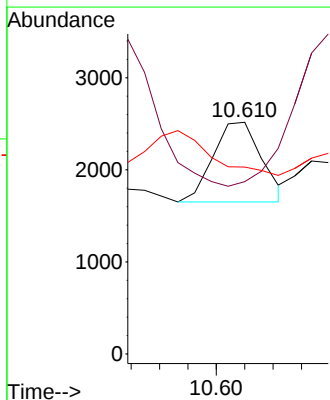
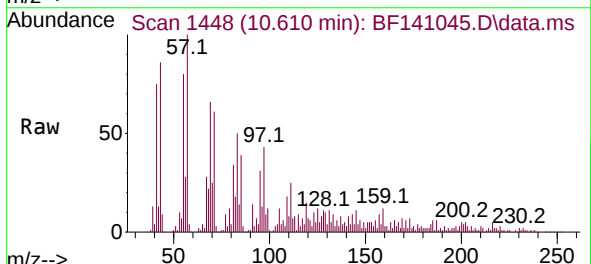
Instrument :
BNA_F
ClientSampleId :
AU-06-122024

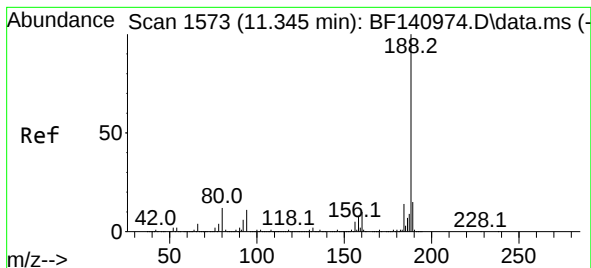
Tgt Ion:165 Resp: 2288
Ion Ratio Lower Upper
165 100
63 45.3 38.1 57.1
89 24.2 61.4 92.2#
182 42.4 2.1 3.1#



#62
4-Nitroaniline
Concen: 3.553 ng
RT: 10.610 min Scan# 1448
Delta R.T. 0.188 min
Lab File: BF141045.D
Acq: 30 Dec 2024 21:37

Tgt Ion:138 Resp: 1032
Ion Ratio Lower Upper
138 100
92 74.4 34.8 74.8
108 80.7 55.9 95.9

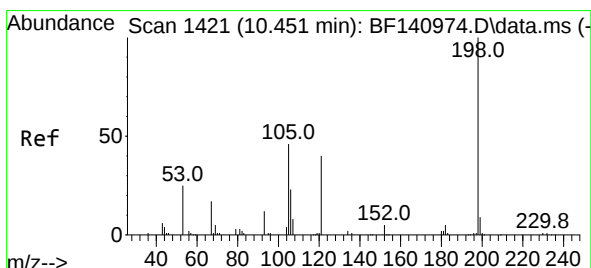
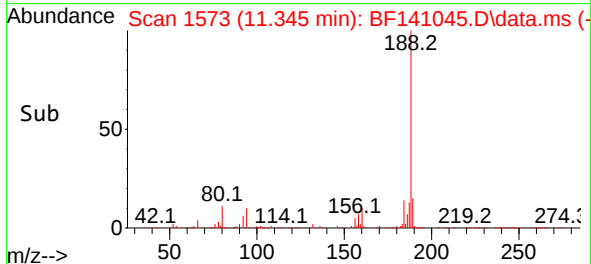
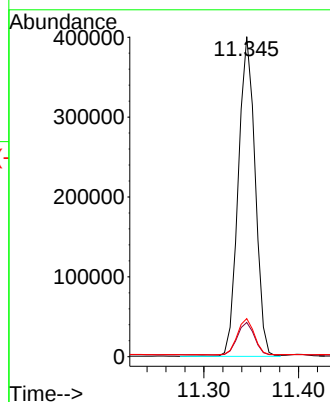
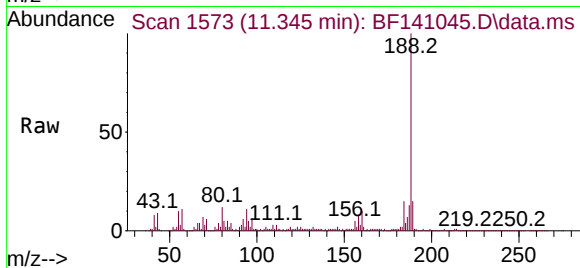




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141045.D
Acq: 30 Dec 2024 21:37

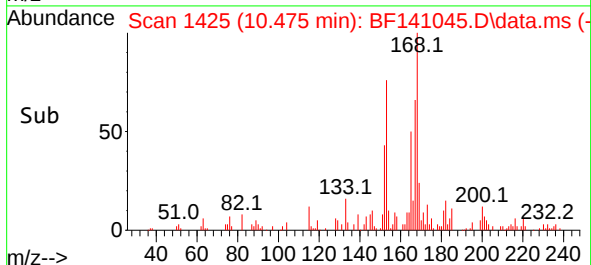
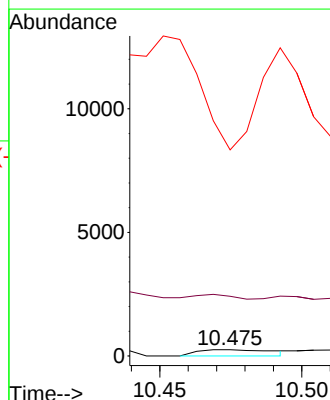
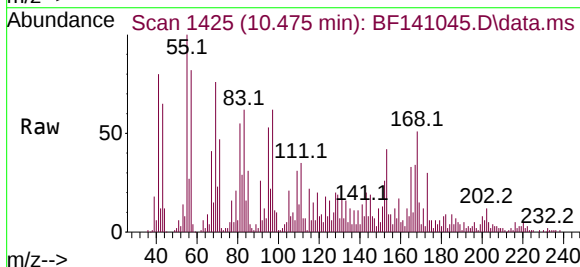
Instrument :
BNA_F
ClientSampleId :
AU-06-122024

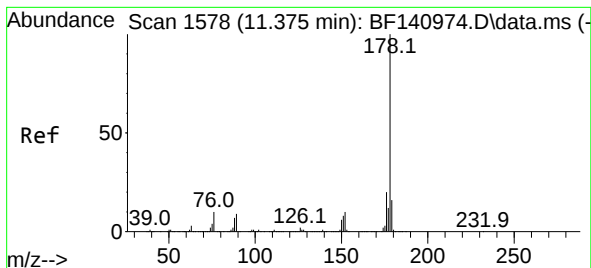
Tgt Ion:188 Resp: 493586
Ion Ratio Lower Upper
188 100
94 10.7 9.0 13.6
80 11.9 9.8 14.6



#65
4,6-Dinitro-2-methylphenol
Concen: 9.535 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.024 min
Lab File: BF141045.D
Acq: 30 Dec 2024 21:37

Tgt Ion:198 Resp: 468
Ion Ratio Lower Upper
198 100
51 948.2 32.3 72.3#
105 3269.0 28.4 68.4#





#71

Phenanthrene

Concen: 7.093 ng

RT: 11.369 min Scan# 1577

Delta R.T. -0.006 min

Lab File: BF141045.D

Acq: 30 Dec 2024 21:37

Instrument :

BNA_F

ClientSampleId :

AU-06-122024

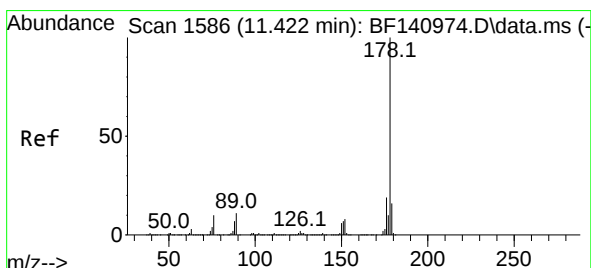
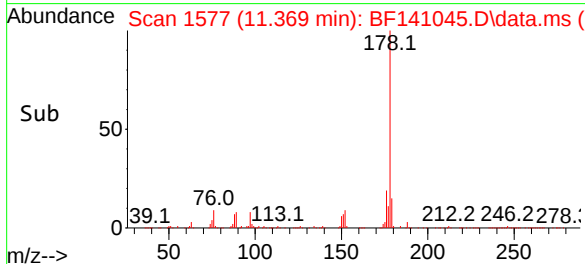
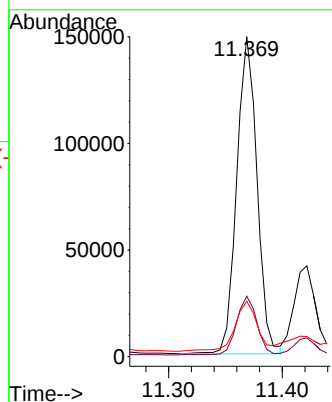
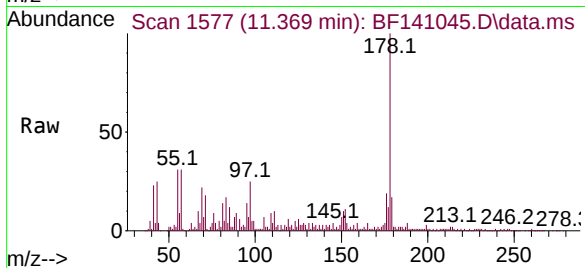
Tgt Ion:178 Resp: 184271

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.6

179 17.3 12.6 19.0



#72

Anthracene

Concen: 7.239 ng

RT: 11.369 min Scan# 1577

Delta R.T. -0.053 min

Lab File: BF141045.D

Acq: 30 Dec 2024 21:37

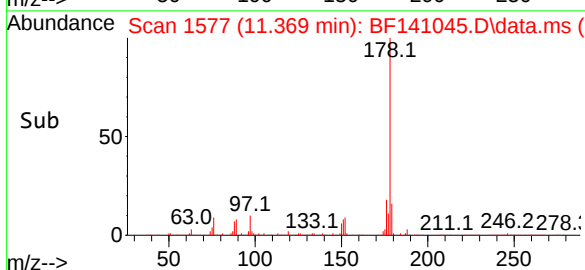
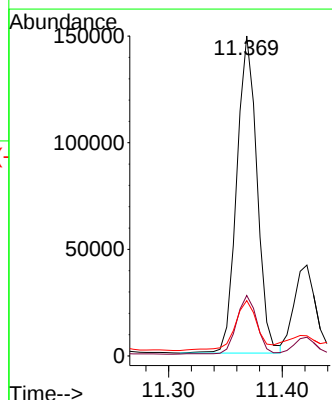
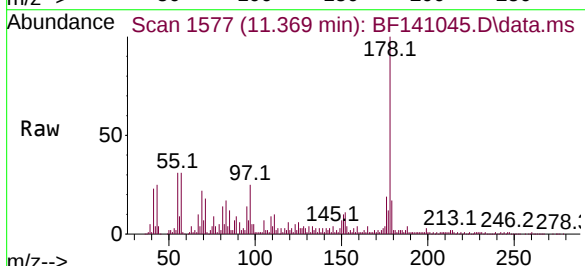
Tgt Ion:178 Resp: 184271

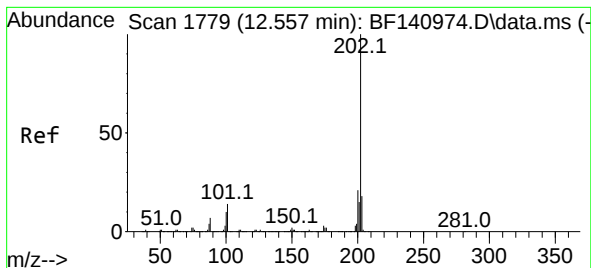
Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

179 17.3 12.9 19.3





#75

Fluoranthene

Concen: 8.272 ng

RT: 12.557 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141045.D

Acq: 30 Dec 2024 21:37

Instrument :

BNA_F

ClientSampleId :

AU-06-122024

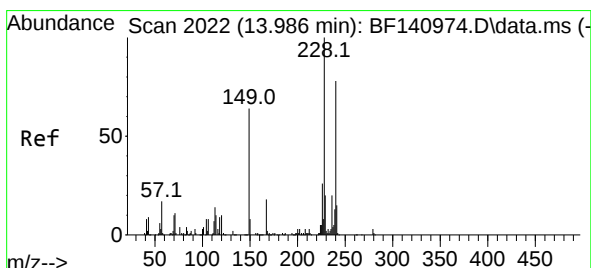
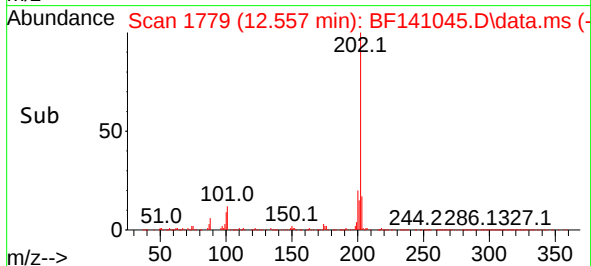
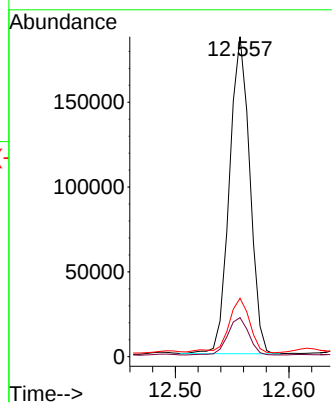
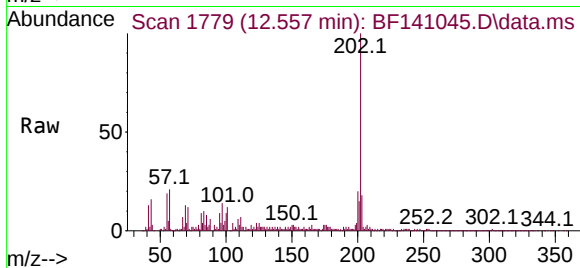
Tgt Ion:202 Resp: 233054

Ion Ratio Lower Upper

202 100

101 12.2 0.0 33.7

203 18.2 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: BF141045.D

Acq: 30 Dec 2024 21:37

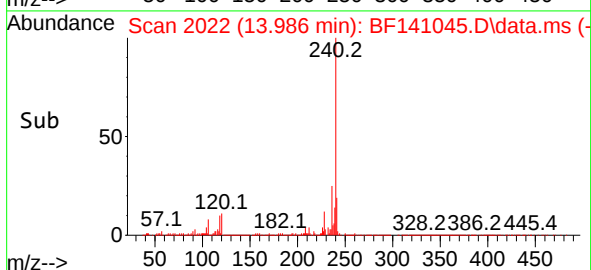
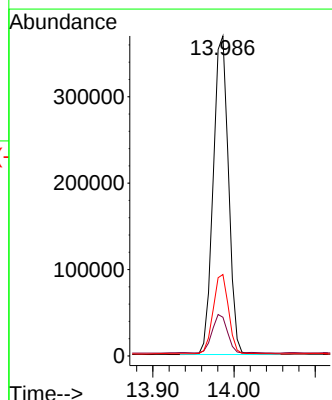
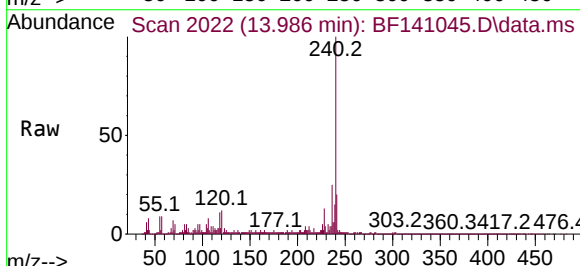
Tgt Ion:240 Resp: 481756

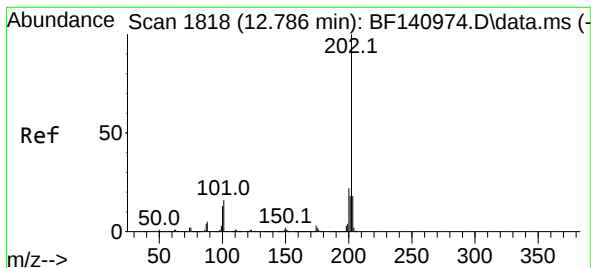
Ion Ratio Lower Upper

240 100

120 12.1 10.7 16.1

236 25.5 20.6 31.0





#78

Pyrene

Concen: 5.393 ng

RT: 12.786 min Scan# 1818

Delta R.T. 0.000 min

Lab File: BF141045.D

Acq: 30 Dec 2024 21:37

Instrument :

BNA_F

ClientSampleId :

AU-06-122024

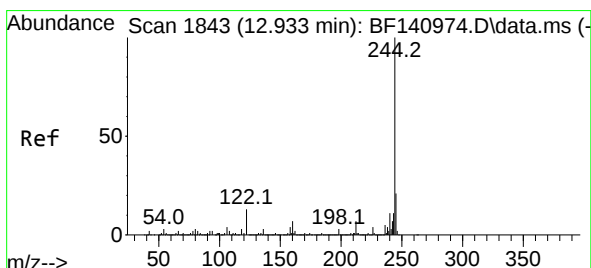
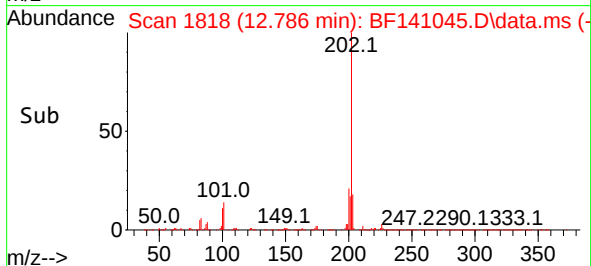
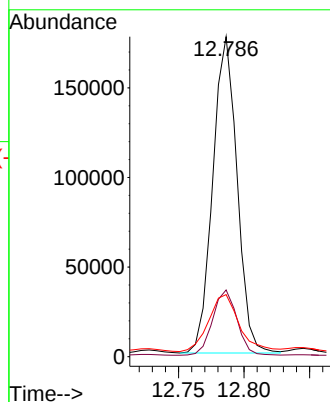
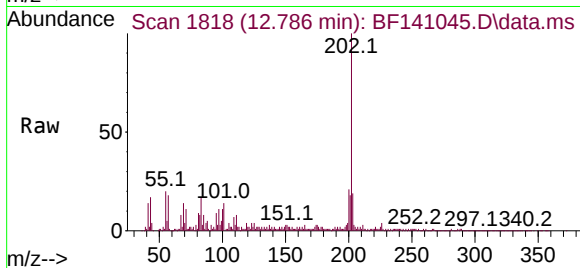
Tgt Ion:202 Resp: 227209

Ion Ratio Lower Upper

202 100

200 20.8 17.3 25.9

203 19.4 14.6 21.8



#79

Terphenyl-d14

Concen: 20.200 ng

RT: 12.933 min Scan# 1843

Delta R.T. 0.000 min

Lab File: BF141045.D

Acq: 30 Dec 2024 21:37

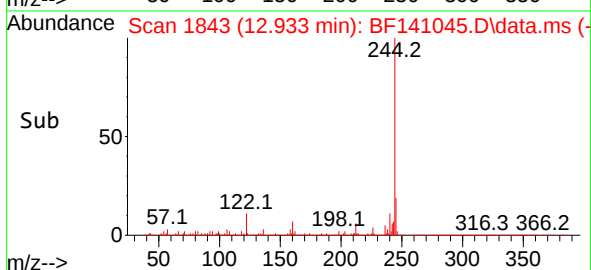
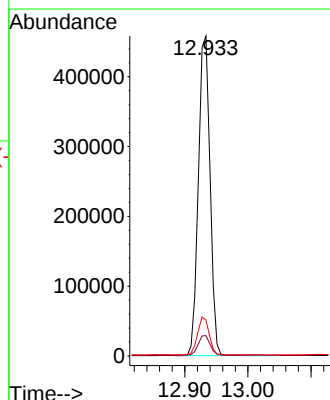
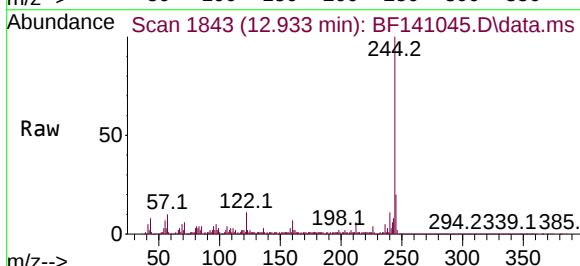
Tgt Ion:244 Resp: 585883

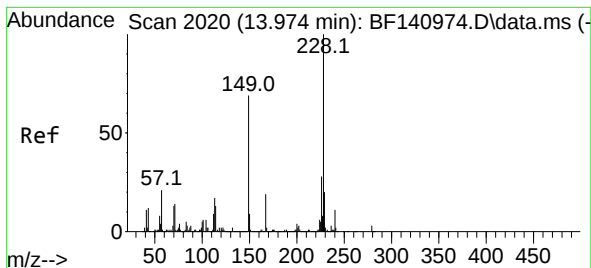
Ion Ratio Lower Upper

244 100

212 6.3 5.7 8.5

122 11.3 10.2 15.2





#81

Benzo(a)anthracene

Concen: 3.983 ng

RT: 13.974 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF141045.D

Acq: 30 Dec 2024 21:37

Instrument :

BNA_F

ClientSampleId :

AU-06-122024

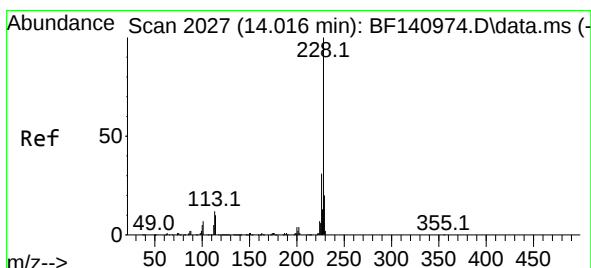
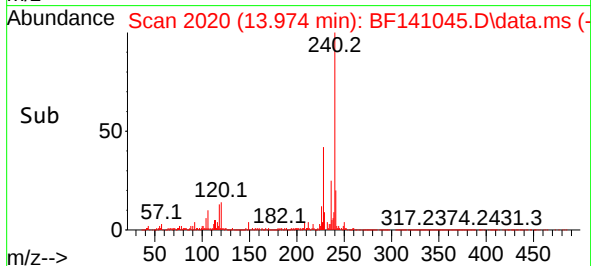
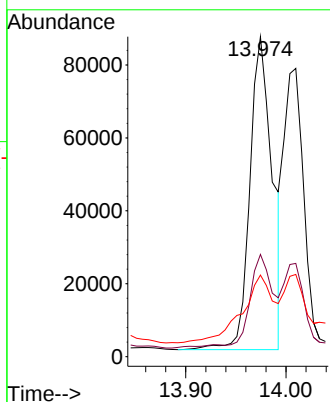
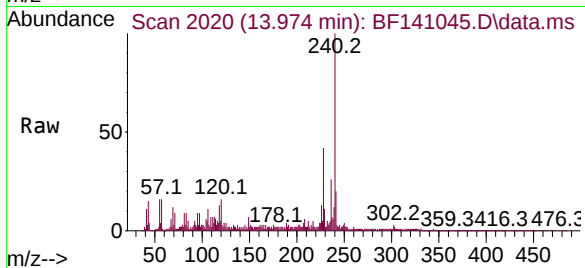
Tgt Ion:228 Resp: 133740

Ion Ratio Lower Upper

228 100

226 32.0 22.1 33.1

229 25.5 16.2 24.2#



#83

Chrysene

Concen: 3.530 ng

RT: 14.010 min Scan# 2026

Delta R.T. -0.006 min

Lab File: BF141045.D

Acq: 30 Dec 2024 21:37

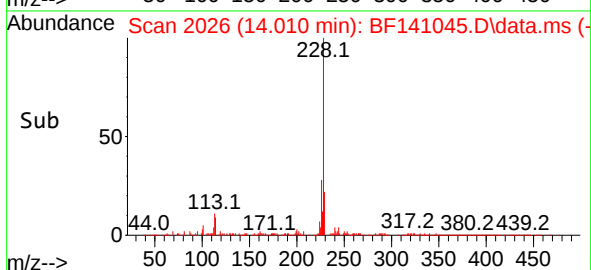
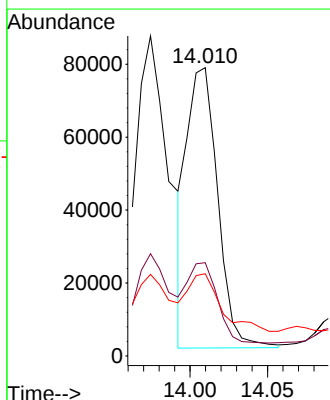
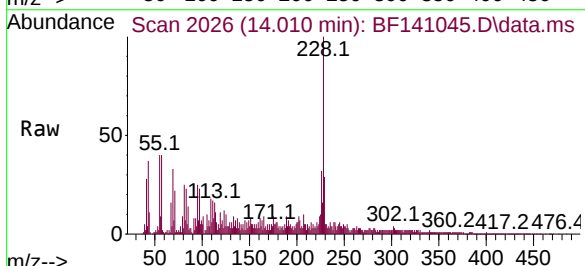
Tgt Ion:228 Resp: 106829

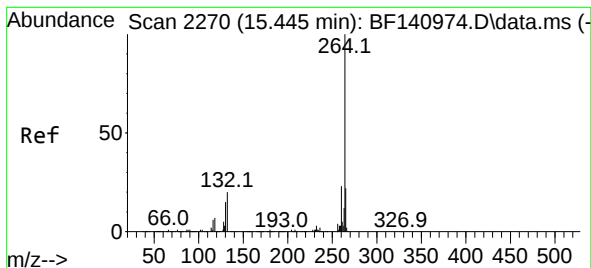
Ion Ratio Lower Upper

228 100

226 32.4 24.5 36.7

229 28.5 16.2 24.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF141045.D

Acq: 30 Dec 2024 21:37

Instrument :

BNA_F

ClientSampleId :

AU-06-122024

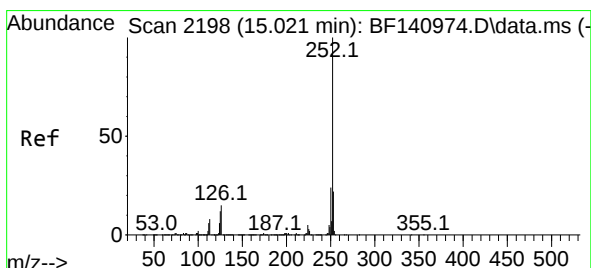
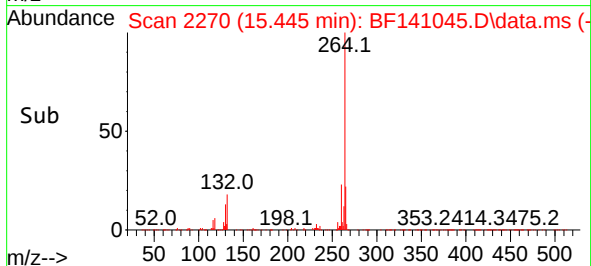
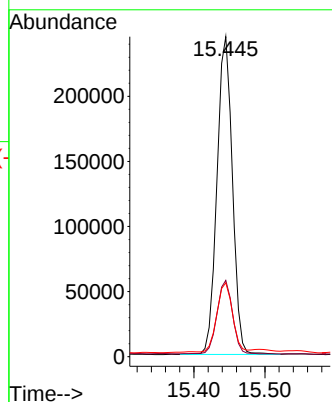
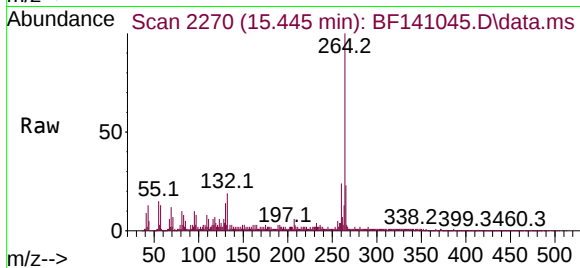
Tgt Ion:264 Resp: 366661

Ion Ratio Lower Upper

264 100

260 23.9 18.7 28.1

265 23.1 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 7.182 ng

RT: 15.021 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF141045.D

Acq: 30 Dec 2024 21:37

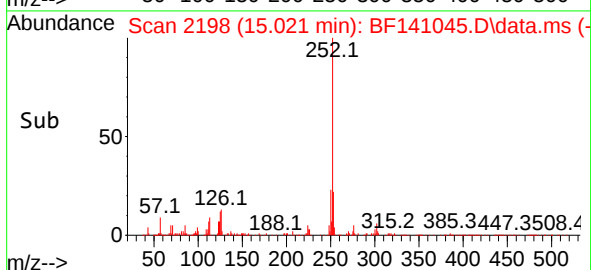
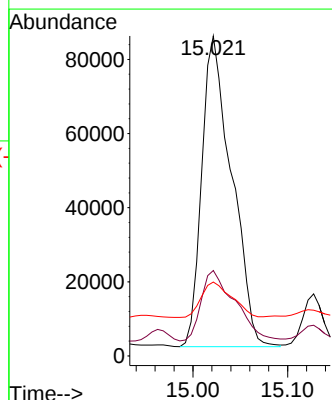
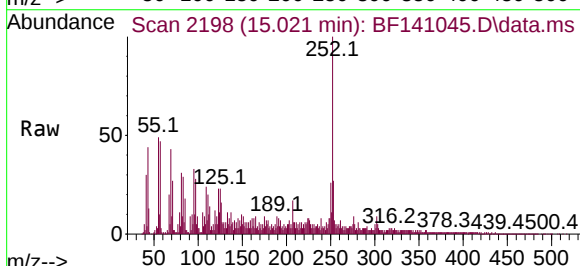
Tgt Ion:252 Resp: 183667

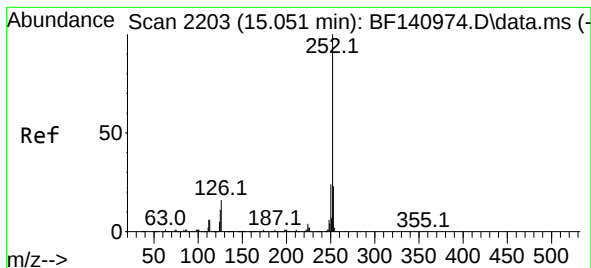
Ion Ratio Lower Upper

252 100

253 26.7 17.7 26.5#

125 23.1 9.3 13.9#





#89

Benzo(k)fluoranthene

Concen: 9.164 ng

RT: 15.021 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF141045.D

Acq: 30 Dec 2024 21:37

Instrument :

BNA_F

ClientSampleId :

AU-06-122024

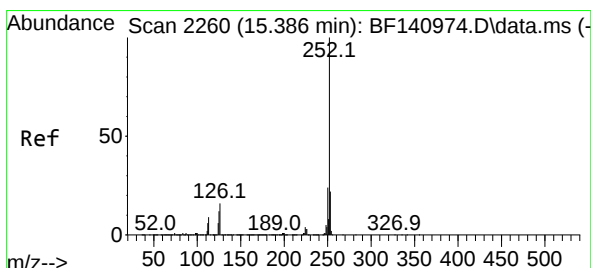
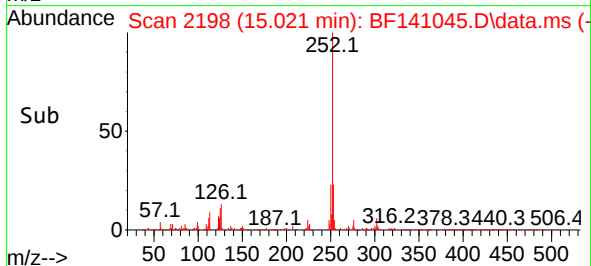
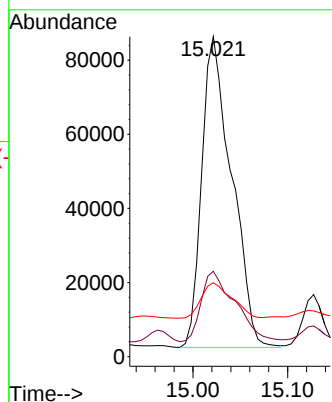
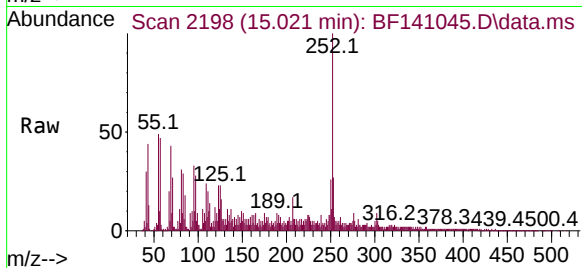
Tgt Ion:252 Resp: 183667

Ion Ratio Lower Upper

252 100

253 26.7 17.8 26.8

125 23.1 9.4 14.0#



#90

Benzo(a)pyrene

Concen: 4.133 ng

RT: 15.380 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF141045.D

Acq: 30 Dec 2024 21:37

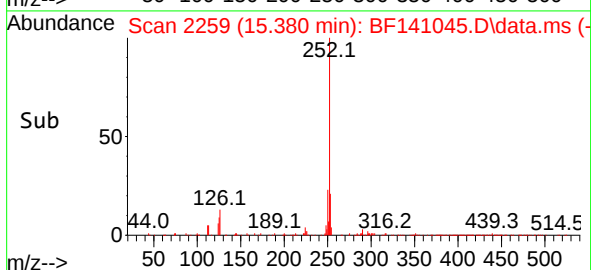
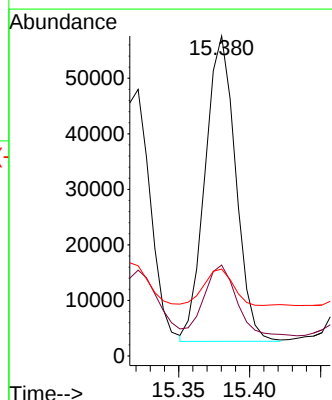
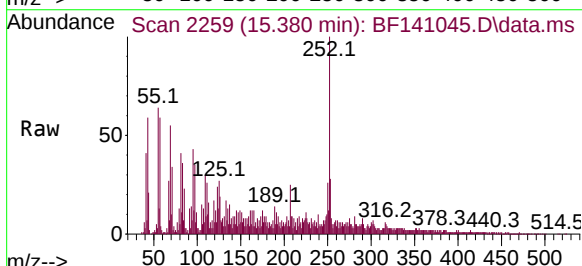
Tgt Ion:252 Resp: 82039

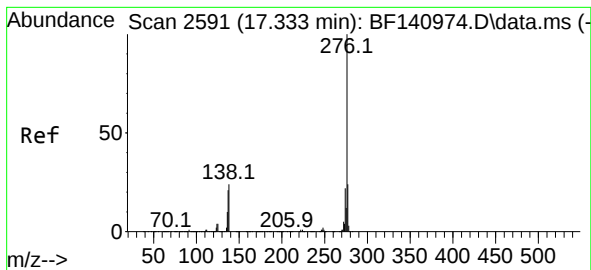
Ion Ratio Lower Upper

252 100

253 28.4 17.2 25.8#

125 27.2 9.8 14.8#





#92

Benzo(g,h,i)perylene

Concen: 2.083 ng

RT: 17.327 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141045.D

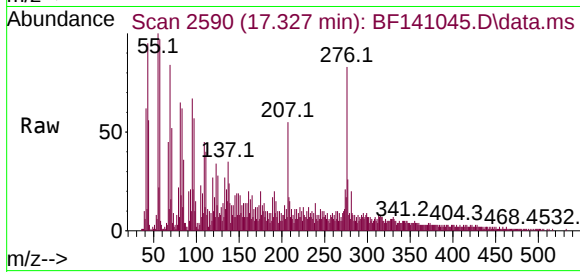
Acq: 30 Dec 2024 21:37

Instrument :

BNA_F

ClientSampleId :

AU-06-122024



Tgt Ion:276 Resp: 40448

Ion Ratio Lower Upper

276 100

277 31.5 19.0 28.4#

138 29.0 19.4 29.2

