

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
 Data File : BF141041.D
 Acq On : 30 Dec 2024 19:51
 Operator : RC/JU
 Sample : P5391-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-07-12272024

Quant Time: Dec 31 00:15:59 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)

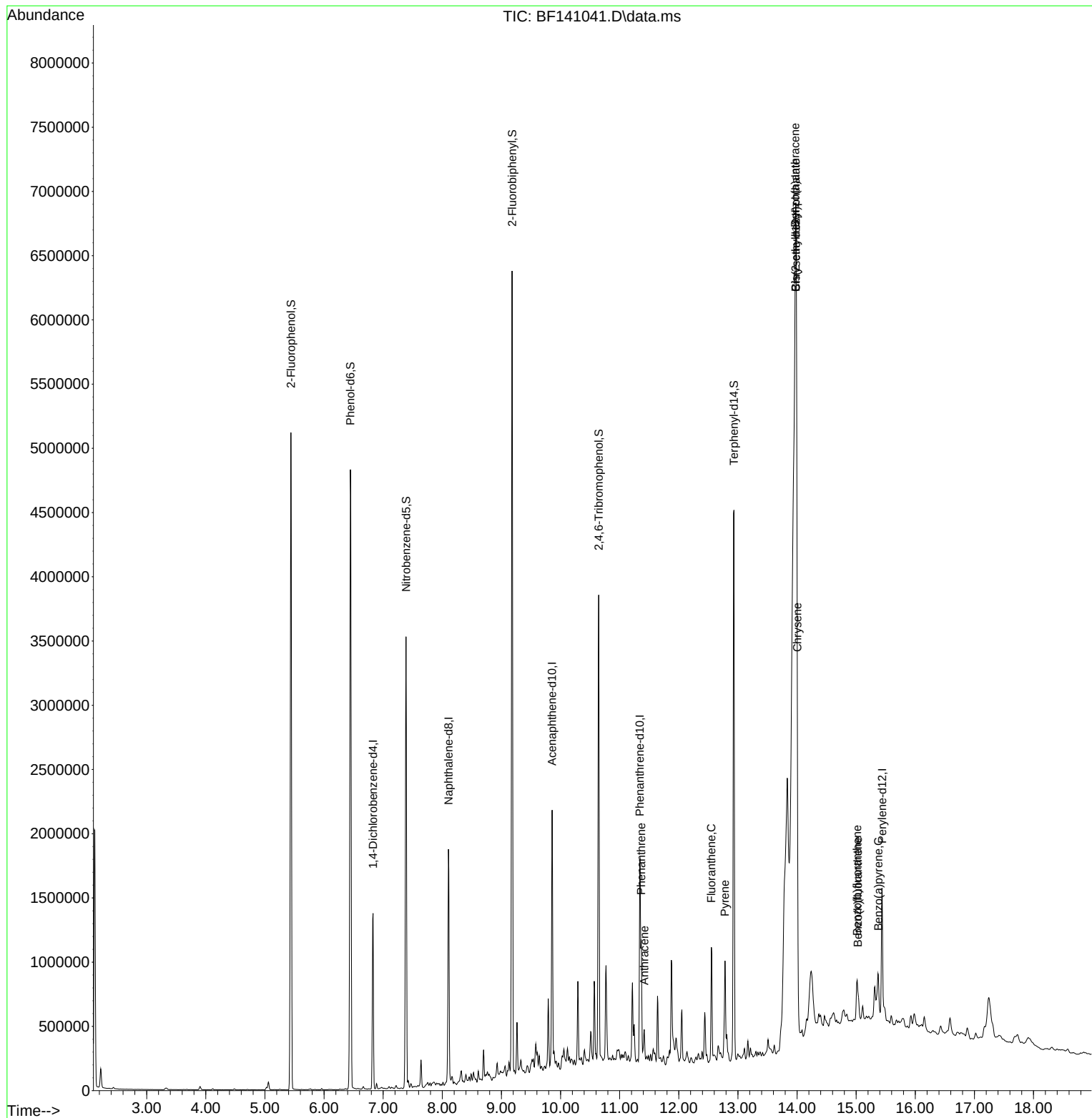
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	289232	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	1112396	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	570701	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	818165	20.000	ng	0.00
76) Chrysene-d12	13.980	240	442025	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	583482	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	2036520	106.136	ng	0.00
7) Phenol-d6	6.446	99	2573616	104.119	ng	0.00
23) Nitrobenzene-d5	7.387	82	1620658	93.210	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	661843	119.347	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	2737498	76.423	ng	0.00
79) Terphenyl-d14	12.933	244	2167823	81.460	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.363	178	474976	11.030	ng	99
72) Anthracene	11.416	178	131481	3.116	ng	98
75) Fluoranthene	12.551	202	504058	10.793	ng	99
78) Pyrene	12.780	202	425898	11.017	ng	98
81) Benzo(a)anthracene	13.969	228	162953	5.290	ng	96
83) Chrysene	14.004	228	140868m	5.072	ng	
84) Bis(2-ethylhexyl)phtha...	13.974	149	398129	21.743	ng	# 79
88) Benzo(b)fluoranthene	15.016	252	195054m	4.793	ng	
89) Benzo(k)fluoranthene	15.027	252	86782m	2.721	ng	
90) Benzo(a)pyrene	15.374	252	136050	4.307	ng	94

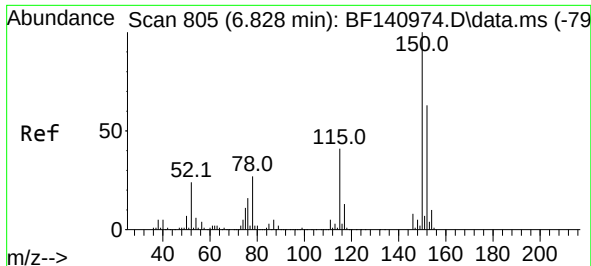
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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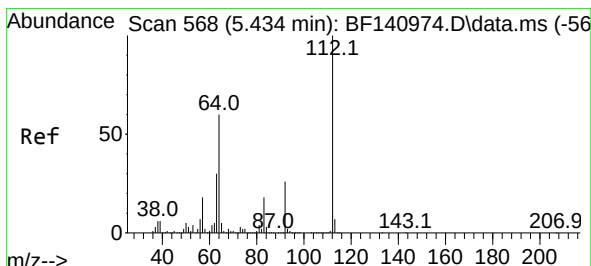
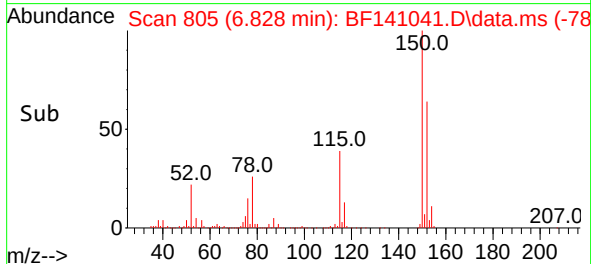
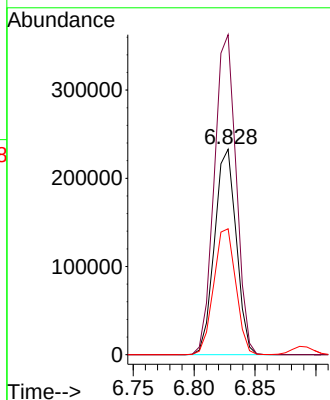
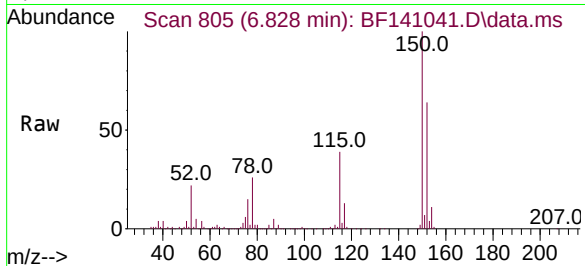




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF141041.D
Acq: 30 Dec 2024 19:51

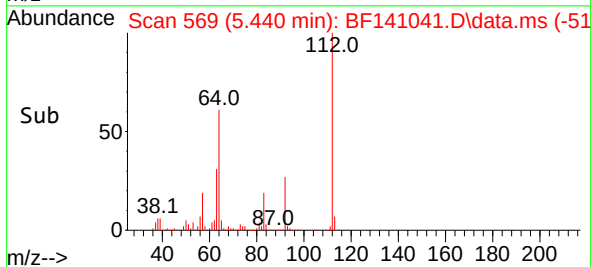
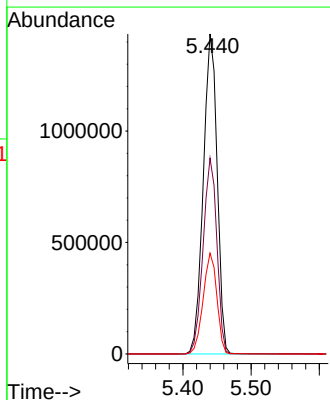
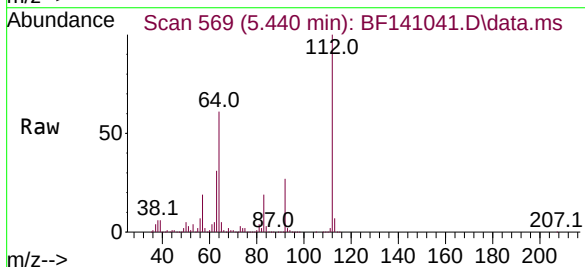
Instrument :
BNA_F
ClientSampleId :
NB-07-12272024

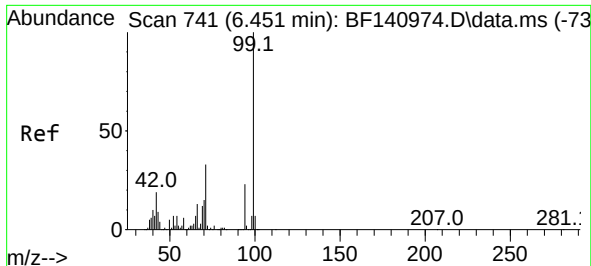
Tgt Ion:152 Resp: 289232
Ion Ratio Lower Upper
152 100
150 155.7 127.0 190.6
115 61.3 51.7 77.5



#5
2-Fluorophenol
Concen: 106.136 ng
RT: 5.440 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF141041.D
Acq: 30 Dec 2024 19:51

Tgt Ion:112 Resp: 2036520
Ion Ratio Lower Upper
112 100
64 61.2 47.7 71.5
63 31.5 24.2 36.2





#7

Phenol-d6

Concen: 104.119 ng

RT: 6.446 min Scan# 741

Delta R.T. -0.006 min

Lab File: BF141041.D

Acq: 30 Dec 2024 19:51

Instrument :

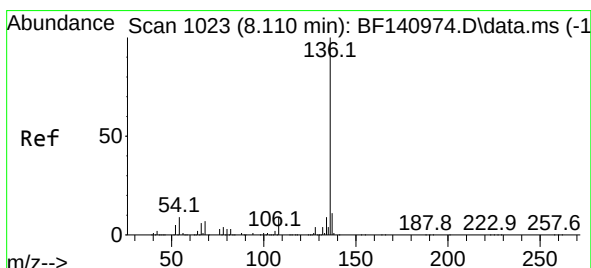
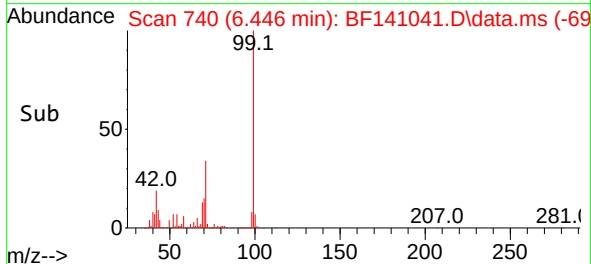
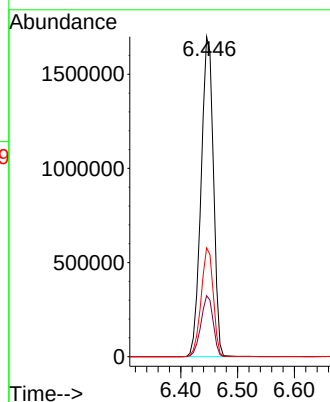
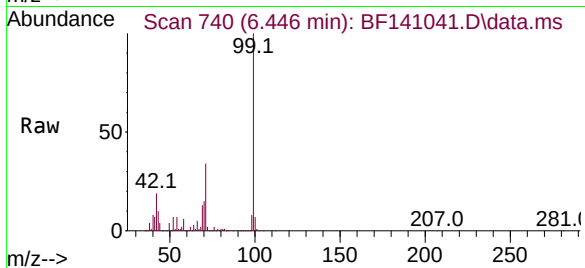
BNA_F

ClientSampleId :

NB-07-12272024

Tgt Ion: 99 Resp: 2573616

Ion	Ratio	Lower	Upper
99	100		
42	19.1	15.0	22.4
71	34.0	26.2	39.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.104 min Scan# 1022

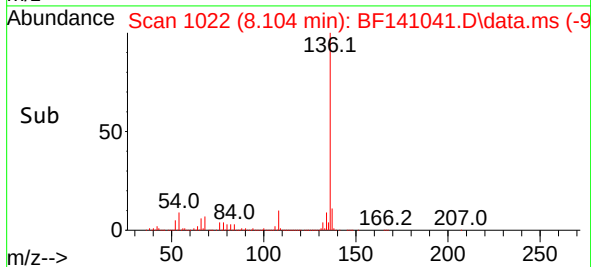
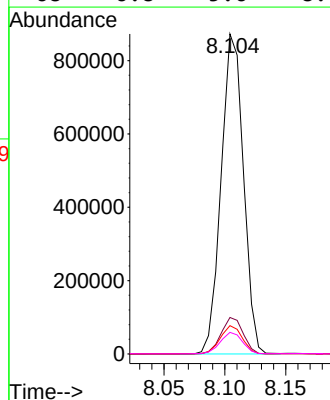
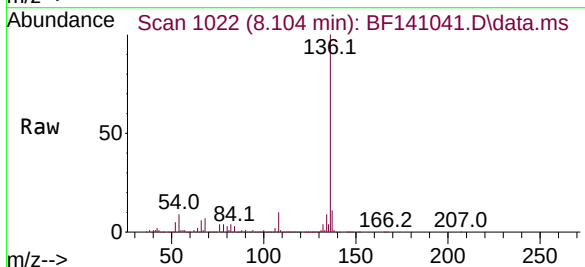
Delta R.T. -0.006 min

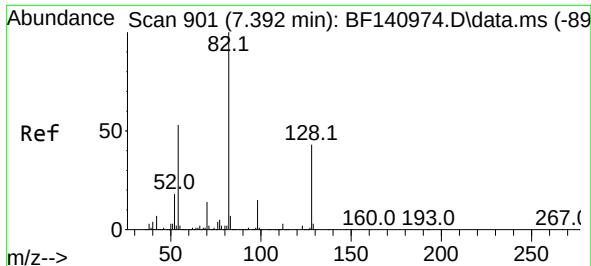
Lab File: BF141041.D

Acq: 30 Dec 2024 19:51

Tgt Ion: 136 Resp: 1112396

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	8.9	7.6	11.4
68	6.8	5.6	8.4





#23

Nitrobenzene-d5

Concen: 93.210 ng

RT: 7.387 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF141041.D

Acq: 30 Dec 2024 19:51

Instrument :

BNA_F

ClientSampleId :

NB-07-12272024

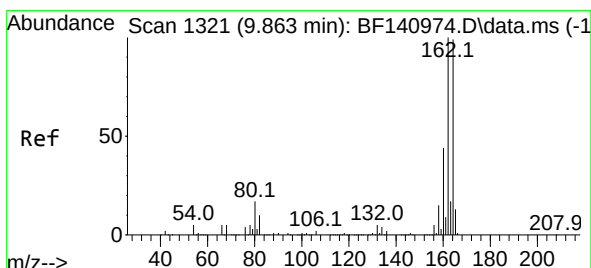
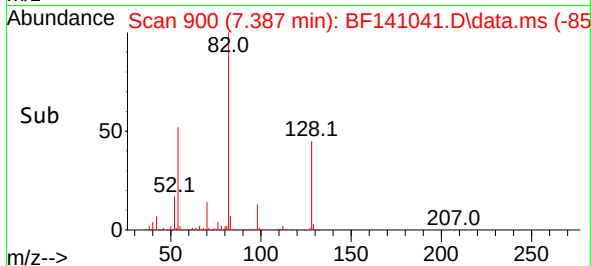
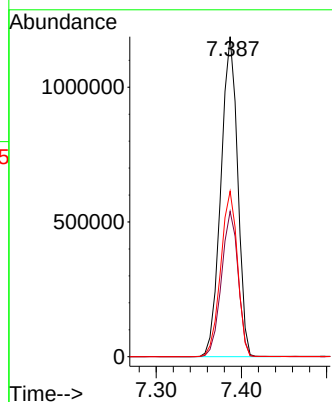
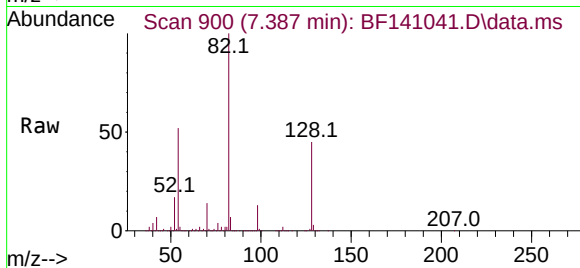
Tgt Ion: 82 Resp: 1620658

Ion Ratio Lower Upper

82 100

128 45.4 34.4 51.6

54 51.7 42.4 63.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 1320

Delta R.T. -0.006 min

Lab File: BF141041.D

Acq: 30 Dec 2024 19:51

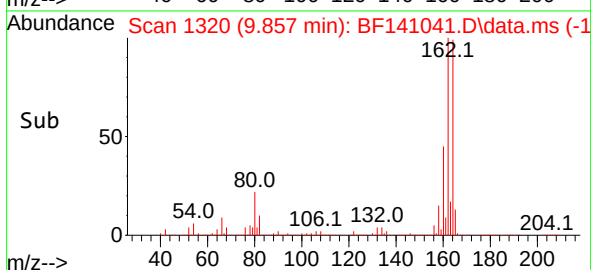
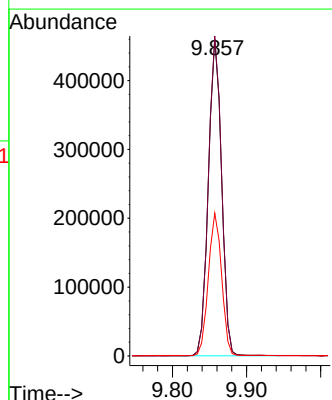
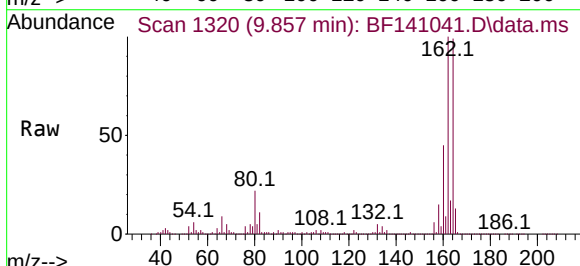
Tgt Ion: 164 Resp: 570701

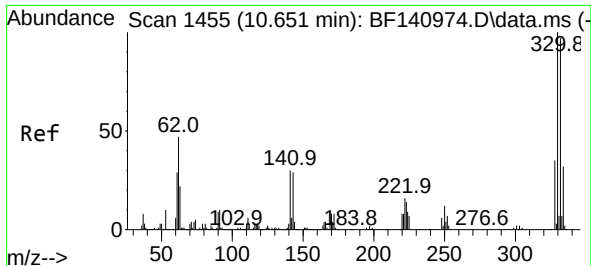
Ion Ratio Lower Upper

164 100

162 101.0 80.6 120.8

160 45.1 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 119.347 ng

RT: 10.645 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BF141041.D

Acq: 30 Dec 2024 19:51

Instrument :

BNA_F

ClientSampleId :

NB-07-12272024

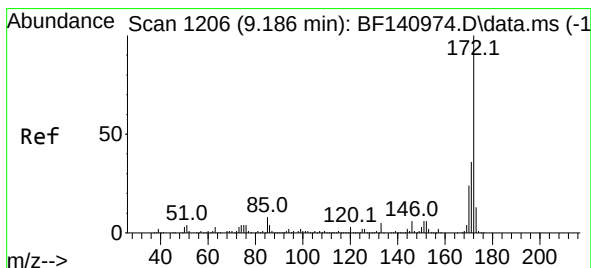
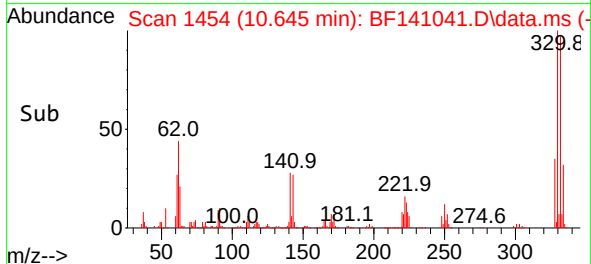
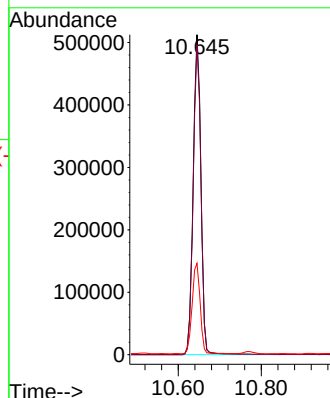
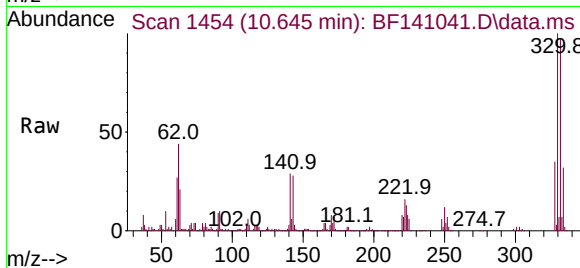
Tgt Ion:330 Resp: 661843

Ion Ratio Lower Upper

330 100

332 97.0 78.0 117.0

141 29.2 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 76.423 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF141041.D

Acq: 30 Dec 2024 19:51

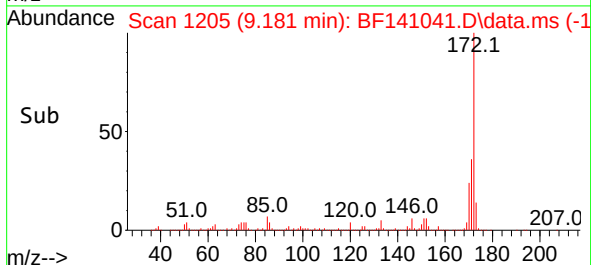
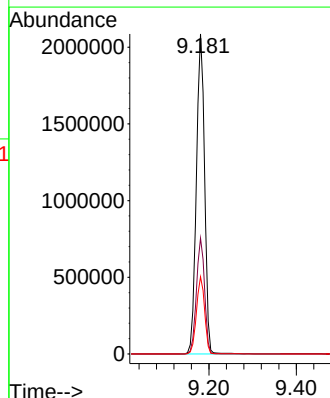
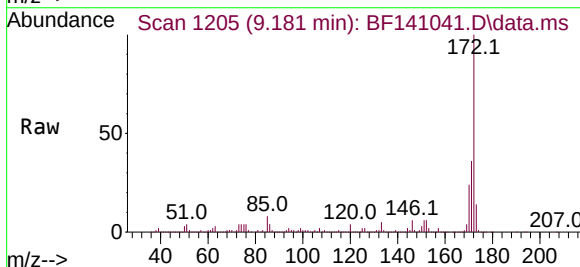
Tgt Ion:172 Resp: 2737498

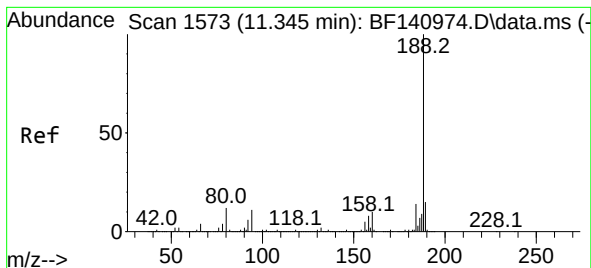
Ion Ratio Lower Upper

172 100

171 36.2 29.0 43.4

170 24.1 19.6 29.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.339 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141041.D

Acq: 30 Dec 2024 19:51

Instrument :

BNA_F

ClientSampleId :

NB-07-12272024

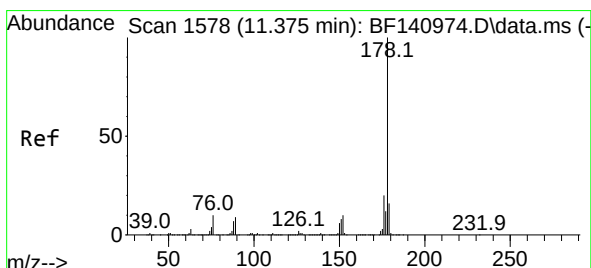
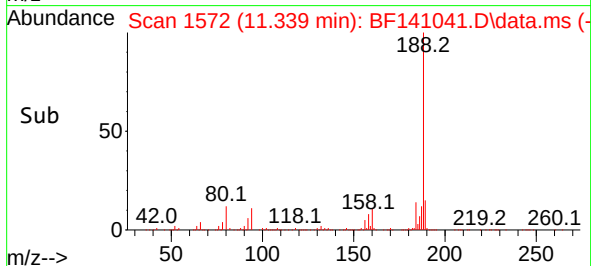
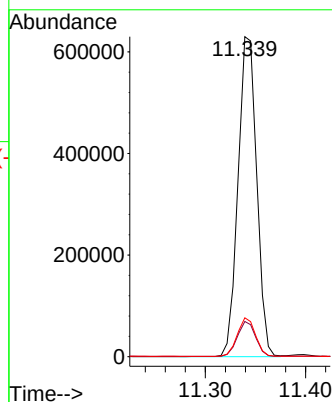
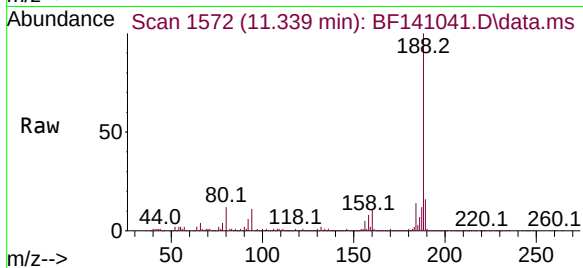
Tgt Ion:188 Resp: 818165

Ion Ratio Lower Upper

188 100

94 11.0 9.0 13.6

80 12.1 9.8 14.6



#71

Phenanthrene

Concen: 11.030 ng

RT: 11.363 min Scan# 1576

Delta R.T. -0.012 min

Lab File: BF141041.D

Acq: 30 Dec 2024 19:51

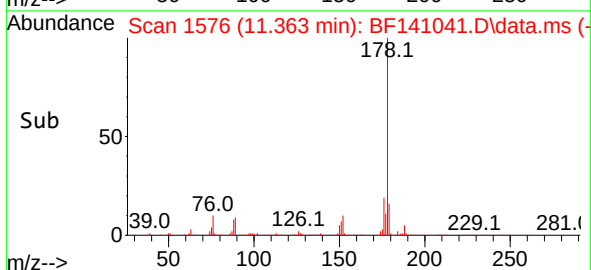
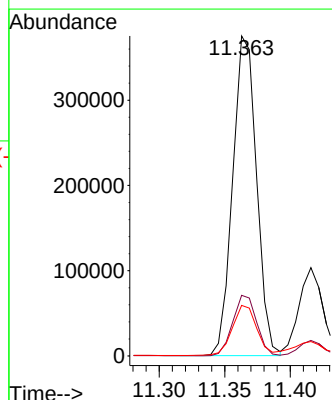
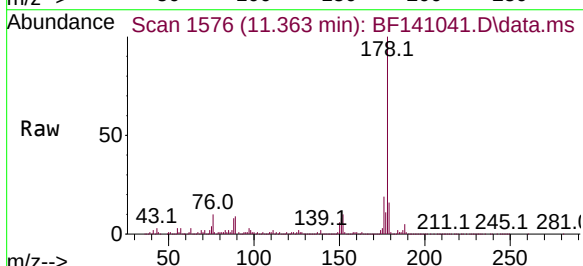
Tgt Ion:178 Resp: 474976

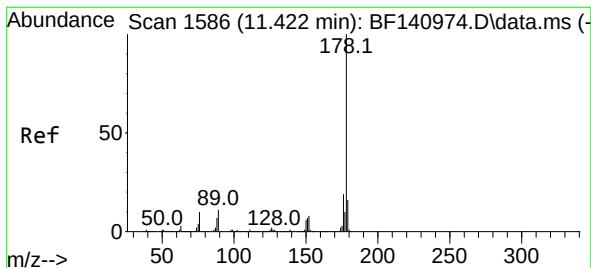
Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.6

179 15.8 12.6 19.0





#72

Anthracene

Concen: 3.116 ng

RT: 11.416 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141041.D

Acq: 30 Dec 2024 19:51

Instrument :

BNA_F

ClientSampleId :

NB-07-12272024

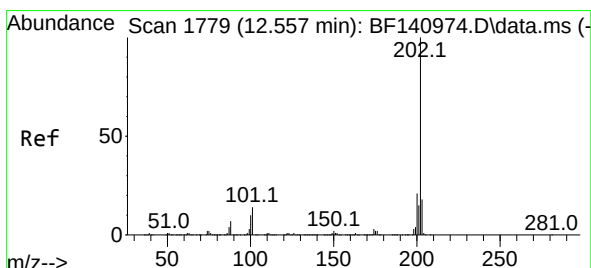
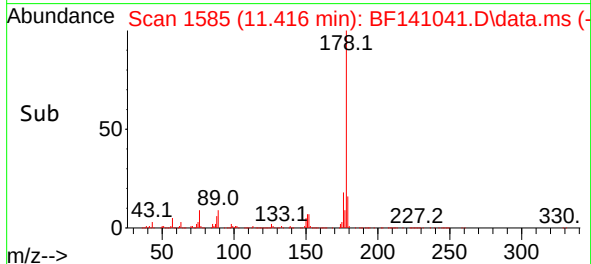
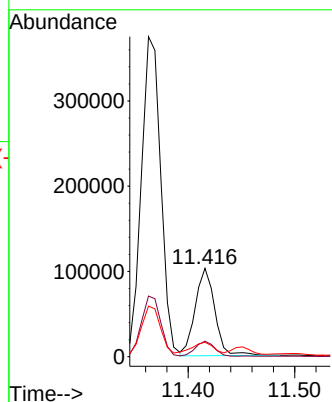
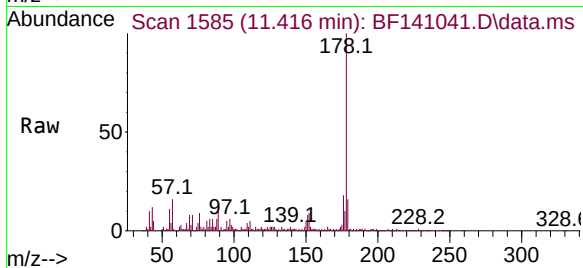
Tgt Ion:178 Resp: 131481

Ion Ratio Lower Upper

178 100

176 17.7 15.3 22.9

179 16.3 12.9 19.3



#75

Fluoranthene

Concen: 10.793 ng

RT: 12.551 min Scan# 1778

Delta R.T. -0.006 min

Lab File: BF141041.D

Acq: 30 Dec 2024 19:51

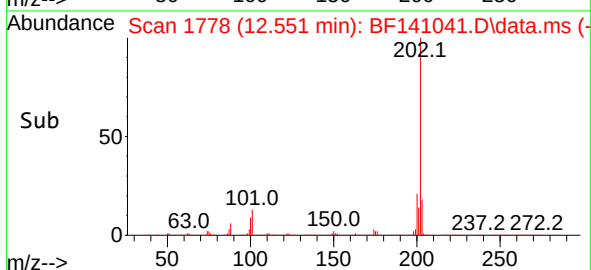
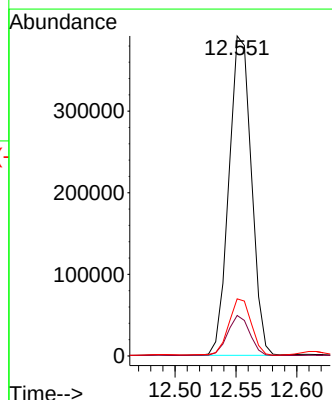
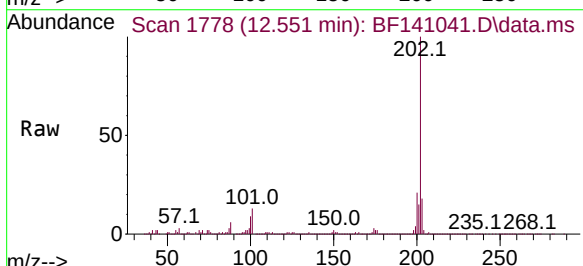
Tgt Ion:202 Resp: 504058

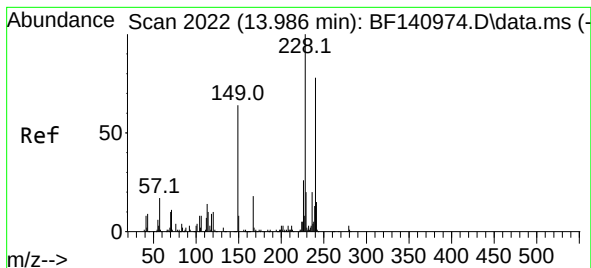
Ion Ratio Lower Upper

202 100

101 12.7 0.0 33.7

203 17.9 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141041.D

Acq: 30 Dec 2024 19:51

Instrument :

BNA_F

ClientSampleId :

NB-07-12272024

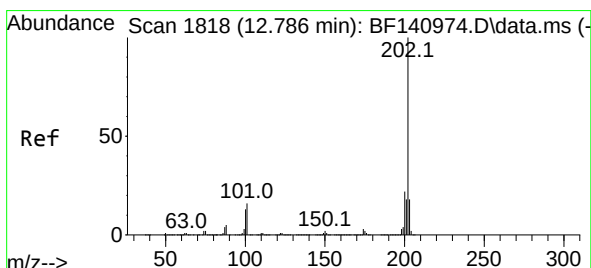
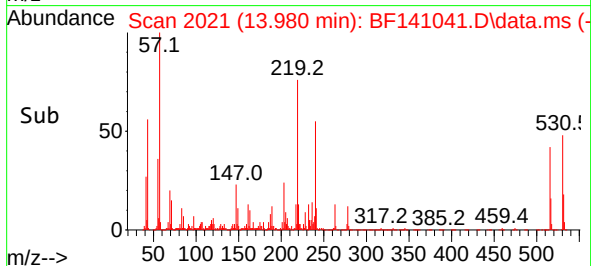
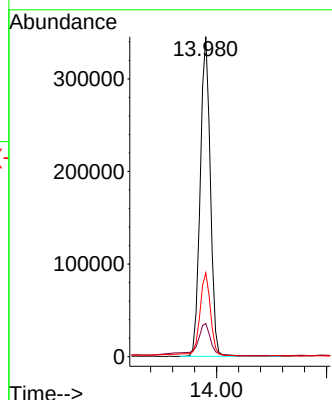
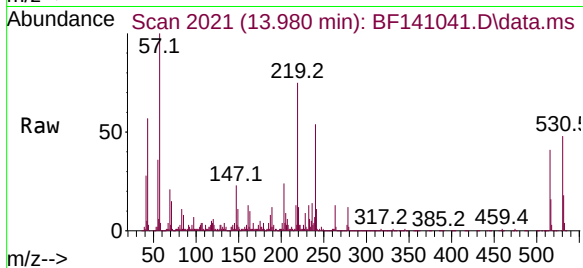
Tgt Ion:240 Resp: 442025

Ion Ratio Lower Upper

240 100

120 10.3 10.7 16.1#

236 26.2 20.6 31.0



#78

Pyrene

Concen: 11.017 ng

RT: 12.780 min Scan# 1817

Delta R.T. -0.006 min

Lab File: BF141041.D

Acq: 30 Dec 2024 19:51

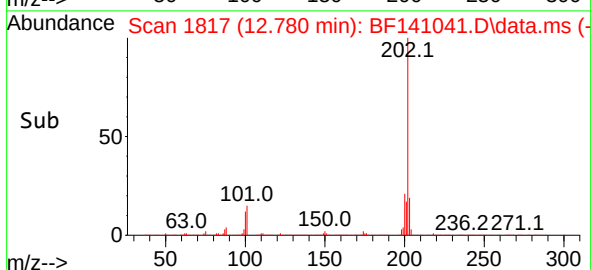
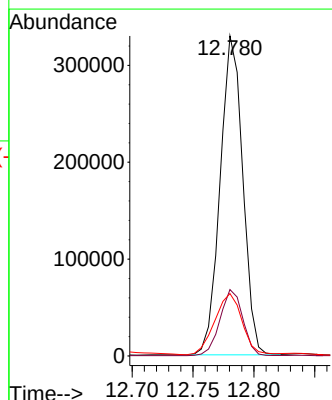
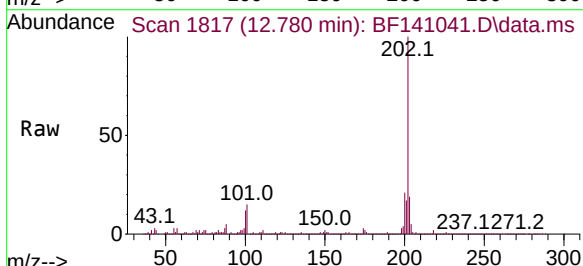
Tgt Ion:202 Resp: 425898

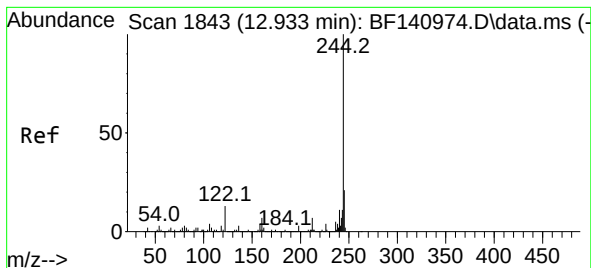
Ion Ratio Lower Upper

202 100

200 20.8 17.3 25.9

203 19.5 14.6 21.8





#79

Terphenyl-d14

Concen: 81.460 ng

RT: 12.933 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF141041.D

Acq: 30 Dec 2024 19:51

Instrument :

BNA_F

ClientSampleId :

NB-07-12272024

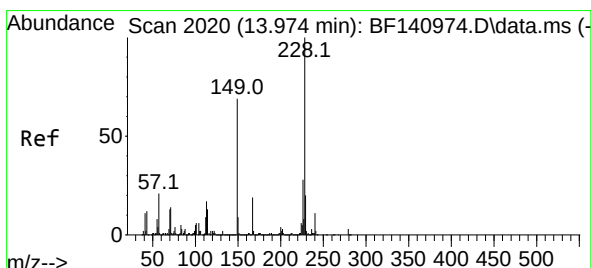
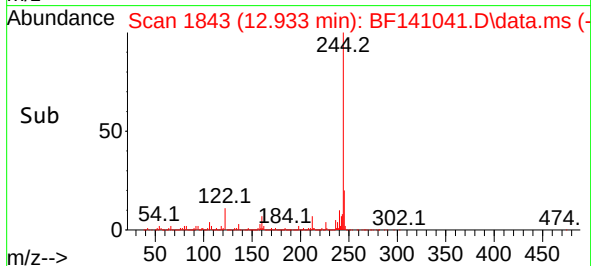
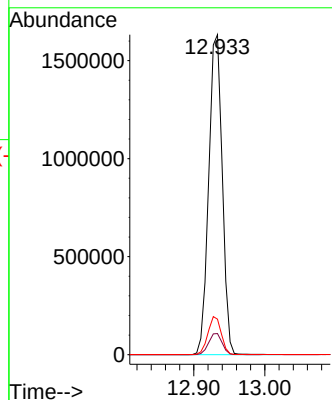
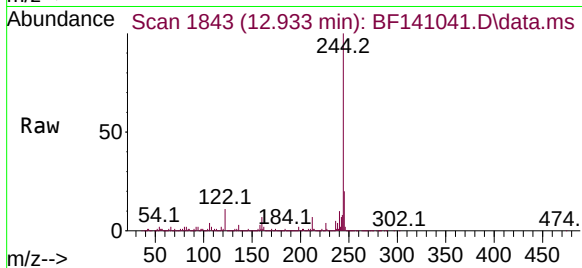
Tgt Ion:244 Resp: 2167823

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

122 11.1 10.2 15.2



#81

Benzo(a)anthracene

Concen: 5.290 ng

RT: 13.969 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF141041.D

Acq: 30 Dec 2024 19:51

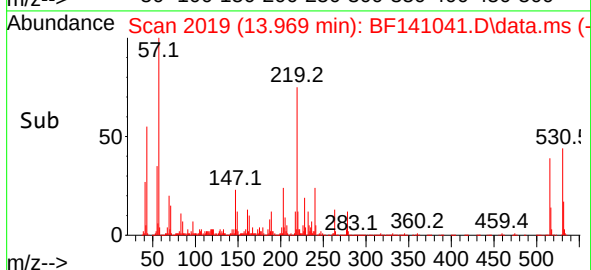
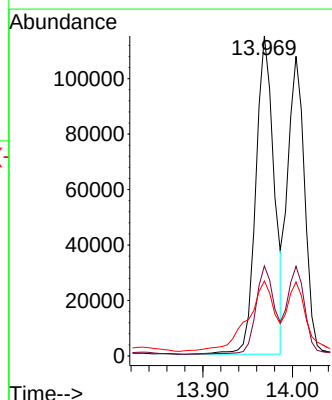
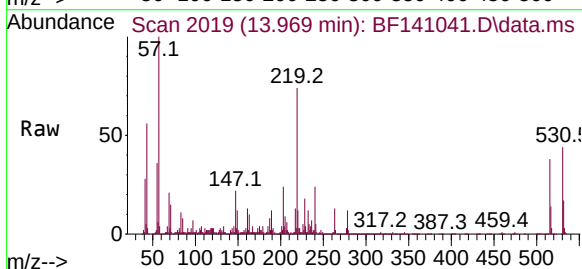
Tgt Ion:228 Resp: 162953

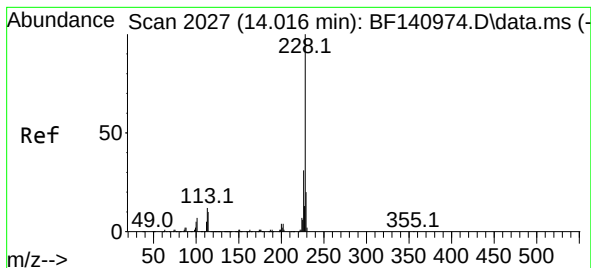
Ion Ratio Lower Upper

228 100

226 28.2 22.1 33.1

229 23.5 16.2 24.2





#83

Chrysene

Concen: 5.072 ng m

RT: 14.004 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141041.D

Acq: 30 Dec 2024 19:51

Instrument :

BNA_F

ClientSampleId :

NB-07-12272024

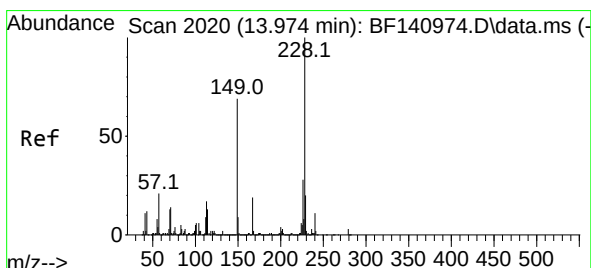
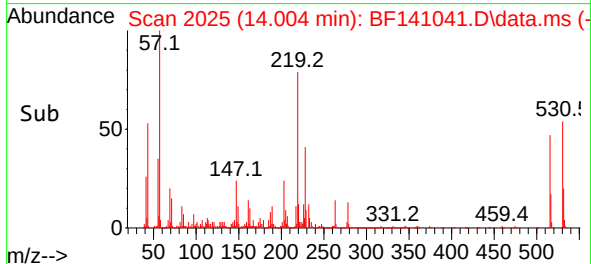
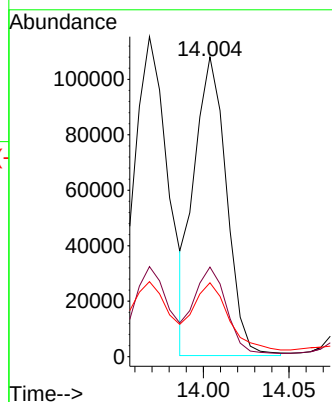
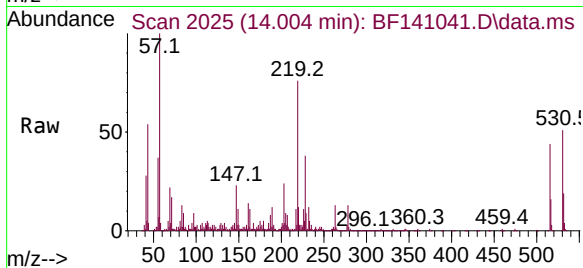
Tgt Ion:228 Resp: 140868

Ion Ratio Lower Upper

228 100

226 29.9 24.5 36.7

229 24.7 16.2 24.4#



#84

Bis(2-ethylhexyl)phthalate

Concen: 21.743 ng

RT: 13.974 min Scan# 2020

Delta R.T. 0.000 min

Lab File: BF141041.D

Acq: 30 Dec 2024 19:51

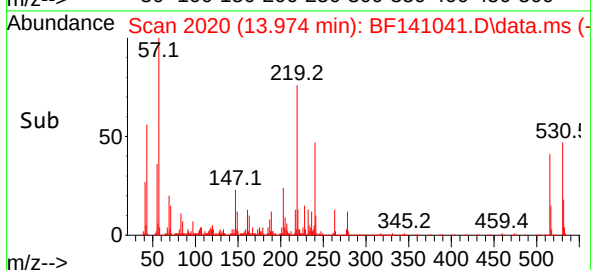
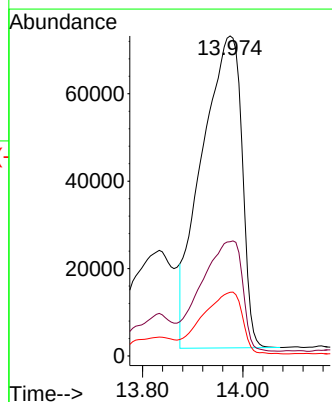
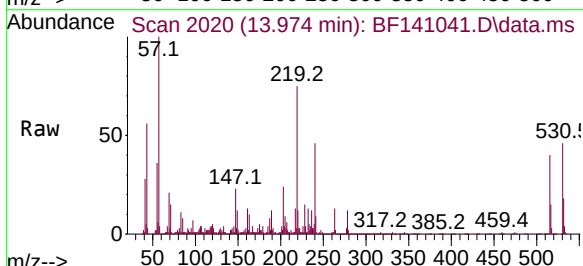
Tgt Ion:149 Resp: 398129

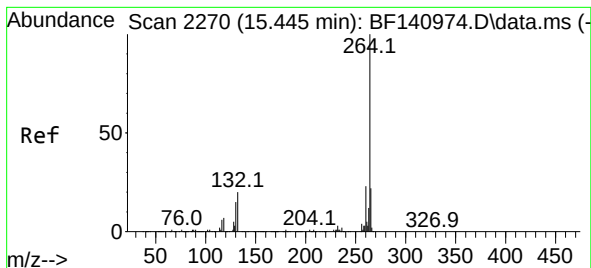
Ion Ratio Lower Upper

149 100

167 35.7 21.6 32.4#

279 19.9 3.2 4.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141041.D

Acq: 30 Dec 2024 19:51

Instrument :

BNA_F

ClientSampleId :

NB-07-12272024

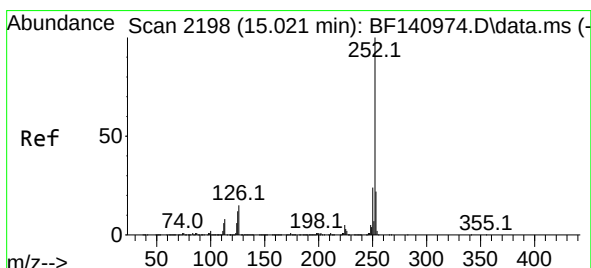
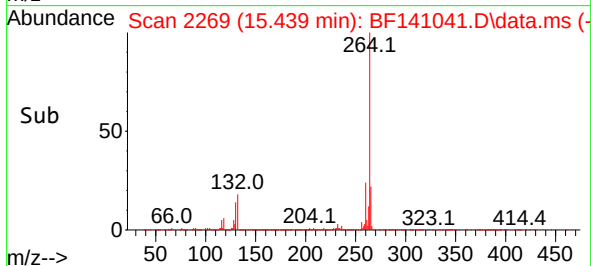
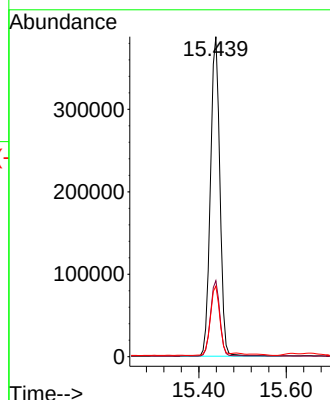
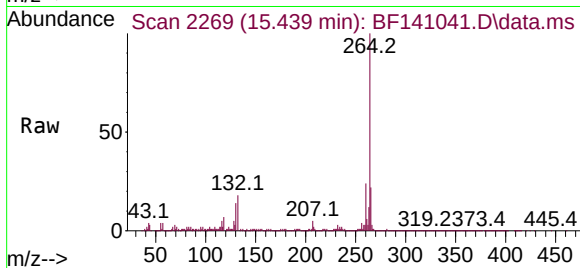
Tgt Ion:264 Resp: 583482

Ion Ratio Lower Upper

264 100

260 23.7 18.7 28.1

265 22.0 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 4.793 ng m

RT: 15.016 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF141041.D

Acq: 30 Dec 2024 19:51

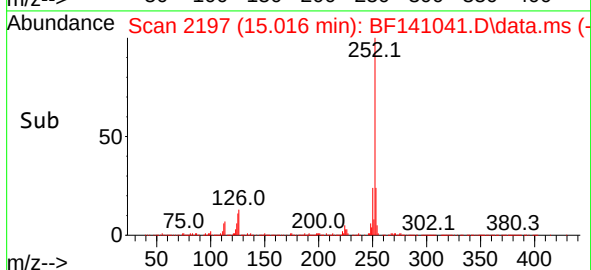
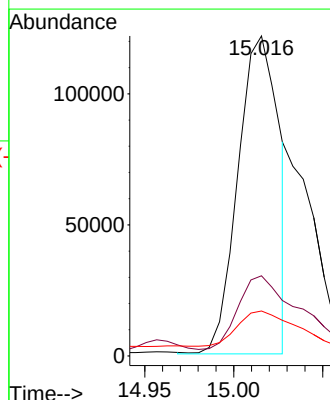
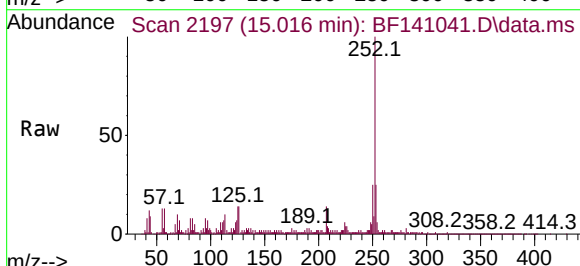
Tgt Ion:252 Resp: 195054

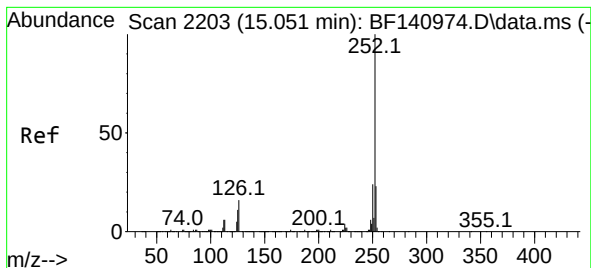
Ion Ratio Lower Upper

252 100

253 25.0 17.7 26.5

125 14.0 9.3 13.9#





#89

Benzo(k)fluoranthene

Concen: 2.721 ng m

RT: 15.027 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF141041.D

Acq: 30 Dec 2024 19:51

Instrument :

BNA_F

ClientSampleId :

NB-07-12272024

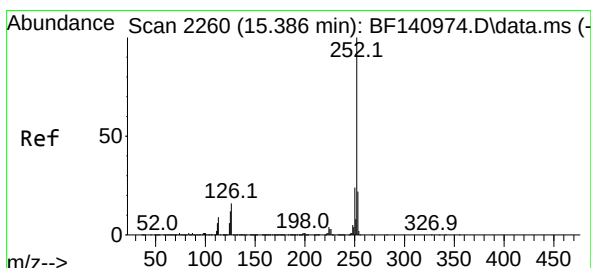
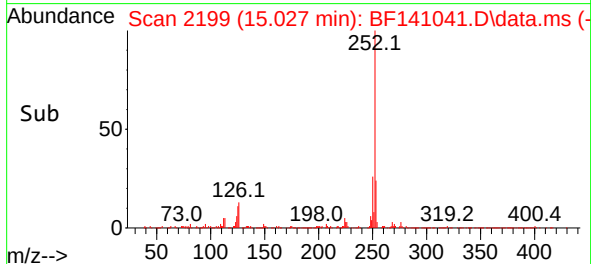
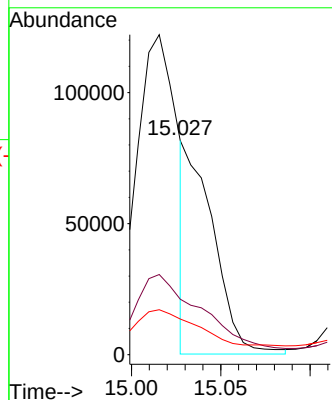
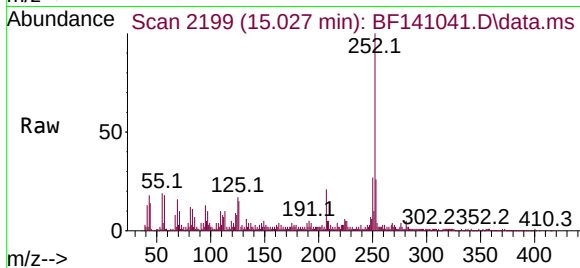
Tgt Ion:252 Resp: 86782

Ion Ratio Lower Upper

252 100

253 25.9 17.8 26.8

125 16.6 9.4 14.0#



#90

Benzo(a)pyrene

Concen: 4.307 ng

RT: 15.374 min Scan# 2258

Delta R.T. -0.012 min

Lab File: BF141041.D

Acq: 30 Dec 2024 19:51

Tgt Ion:252 Resp: 136050

Ion Ratio Lower Upper

252 100

253 24.3 17.2 25.8

125 14.6 9.8 14.8

