

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)

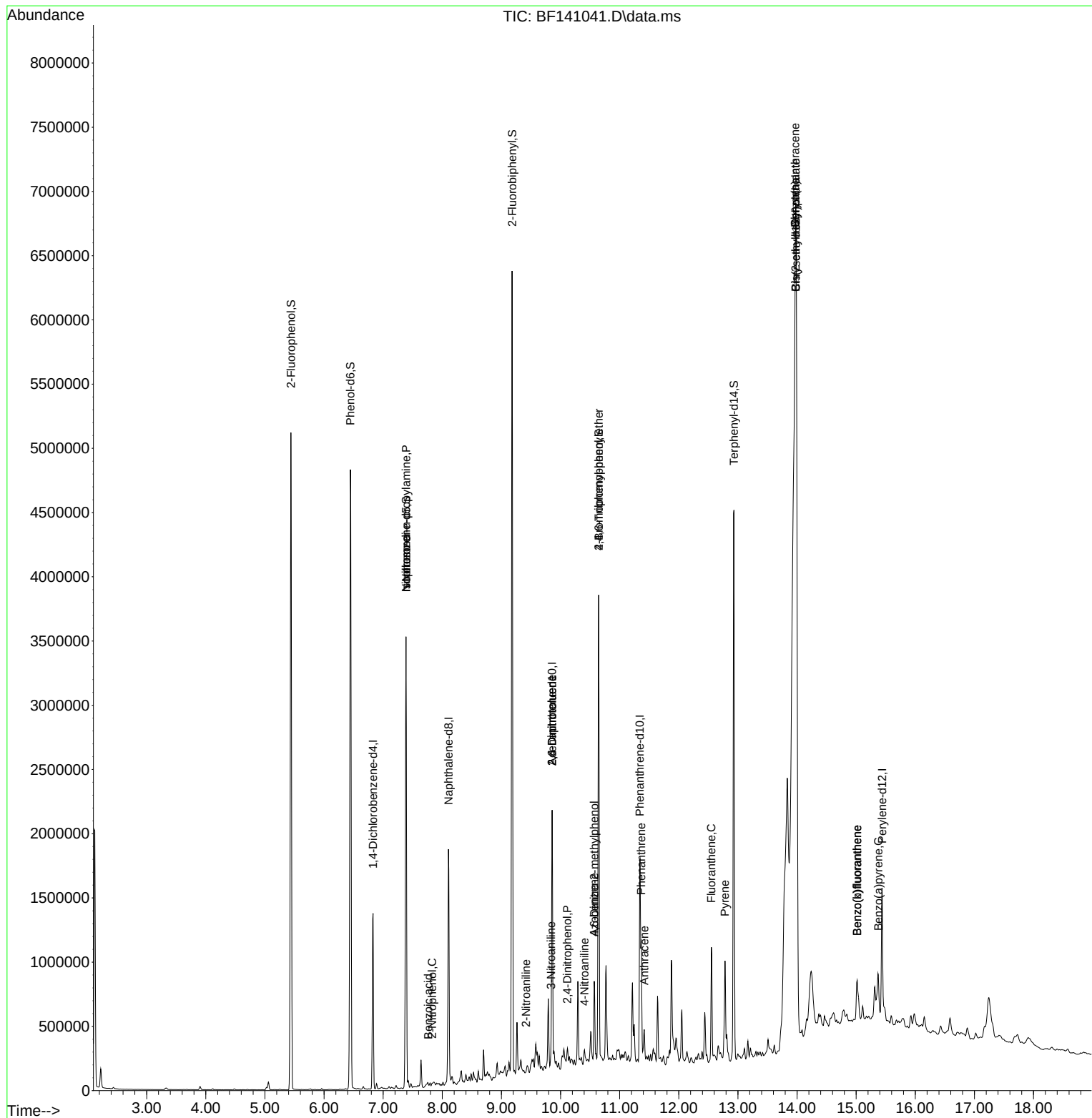
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	289232	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	1112396	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	570701	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	818165	20.000	ng	0.00
76) Chrysene-d12	13.980	240	442025	20.000	ng	# 0.00
86) Perylene-d12	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
9) Benzaldehyde	6.369	77	817	Below Cal	#	69
19) n-Nitroso-di-n-propyla...	7.387	70	222008	14.661	ng	# 78
25) Isophorone	7.387	82	1609834	42.548	ng	# 65
26) 2-Nitrophenol	7.828	139	270	5.332	ng	# 1
32) Benzoic acid	7.763	122	59	7.697	ng	# 1
48) 2-Nitroaniline	9.416	65	1278	4.774	ng	# 12
51) 2,6-Dinitrotoluene	9.857	165	77750	13.037	ng	# 24
53) 3-Nitroaniline	9.839	138	579	3.330	ng	# 19
54) 2,4-Dinitrophenol	10.116	184	54	6.215	ng	# 25
57) 2,4-Dinitrotoluene	9.857	165	77750	12.021	ng	# 22
62) 4-Nitroaniline	10.404	138	397	3.390	ng	# 49
63) Azobenzene	10.569	77	148888	3.828	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.569	198	57	9.357	ng	# 1
67) 4-Bromophenyl-phenylether	10.645	248	41413	4.682	ng	# 1
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	13.969	228	162953	5.868	ng	95
84) Bis(2-ethylhexyl)phtha...	13.974	149	398129	21.743	ng	# 79
88) Benzo(b)fluoranthene	15.016	252	277198	6.812	ng	# 94
89) Benzo(k)fluoranthene	15.016	252	277198	8.691	ng	94
90) Benzo(a)pyrene	15.374	252	136050	4.307	ng	94

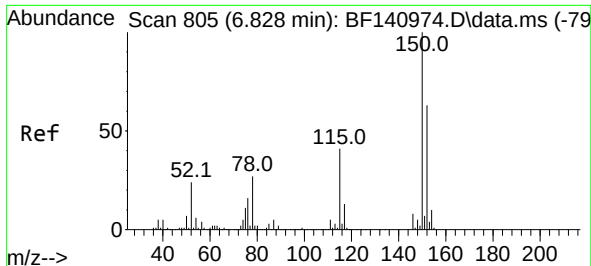
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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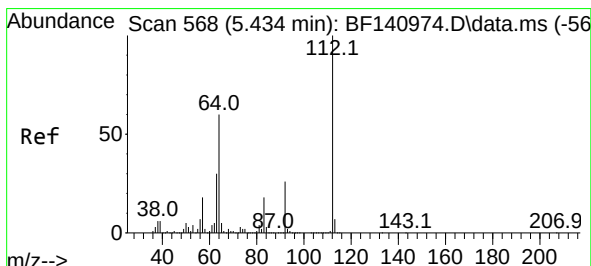
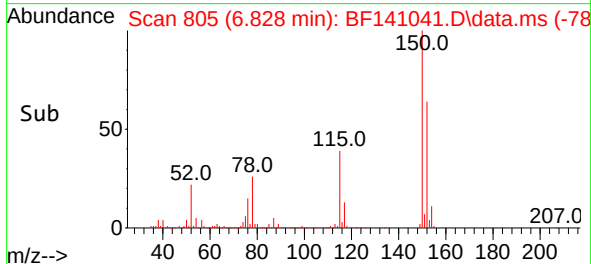
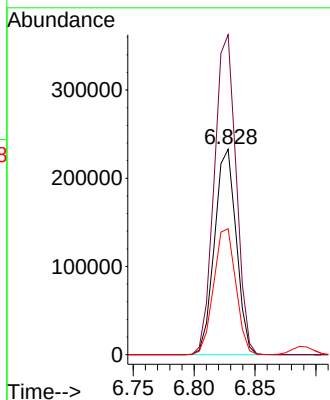
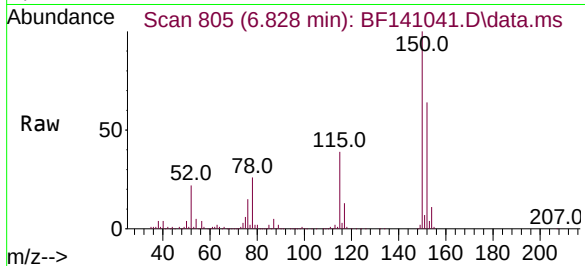




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF141041.D
Acq: 30 Dec 2024 19:51

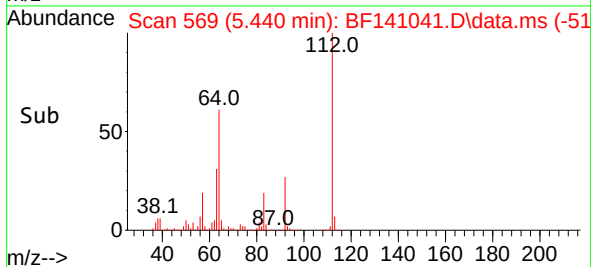
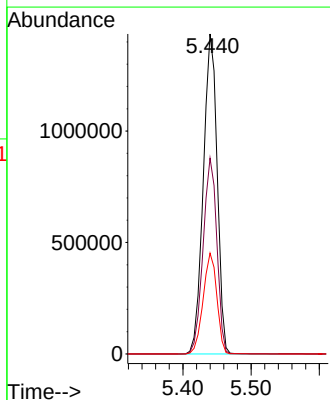
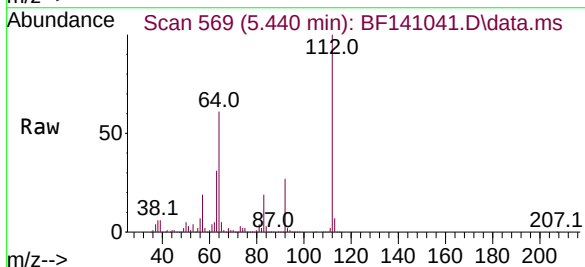
Instrument :
BNA_F
ClientSampleId :
NB-07-12272024

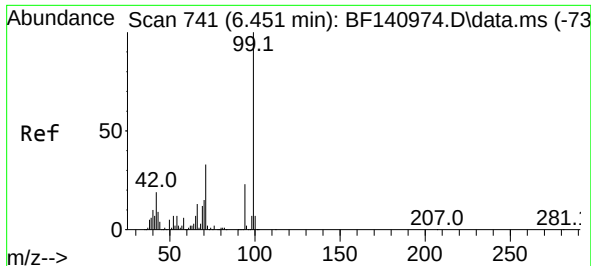
Tgt Ion:152 Resp: 289232
Ion Ratio Lower Upper
152 100
150 155.7 127.0 190.6
115 61.3 51.7 77.5



#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



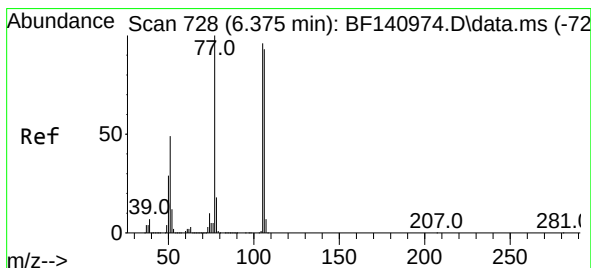
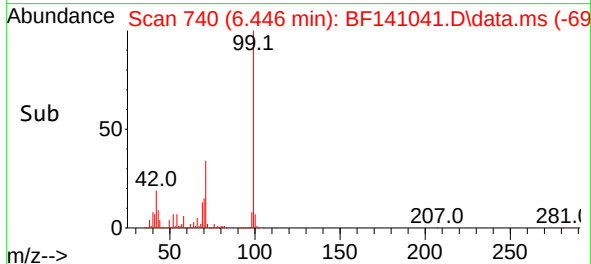
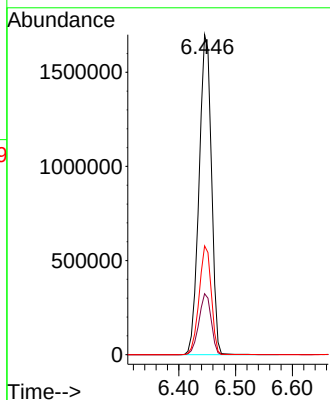
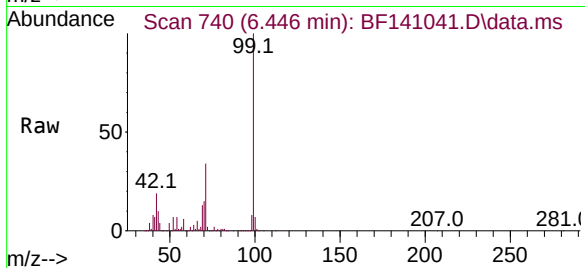


#7
Phenol-d6
Concen: 104.119 ng
RT: 6.446 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF141041.D
Acq: 30 Dec 2024 19:51

Instrument :
BNA_F
ClientSampleId :
NB-07-12272024

Tgt Ion: 99 Resp: 2573616

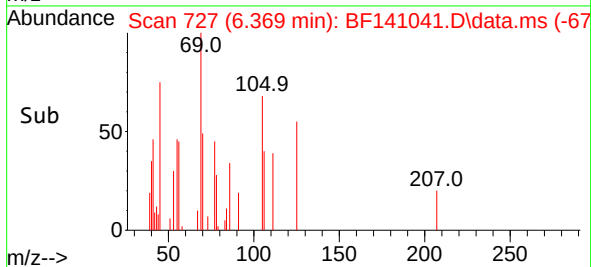
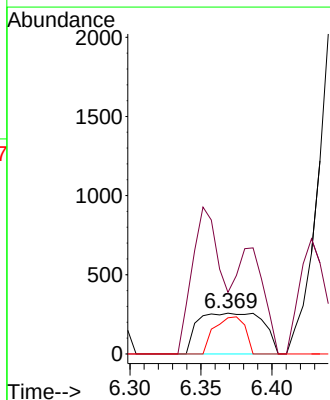
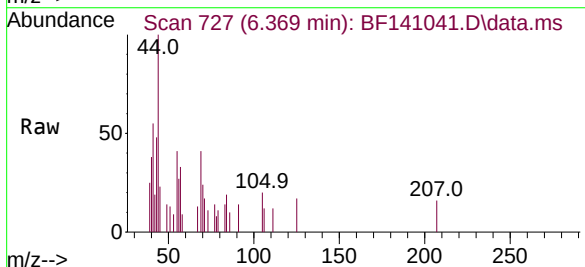
Ion	Ratio	Lower	Upper
99	100		
42	19.1	15.0	22.4
71	34.0	26.2	39.2

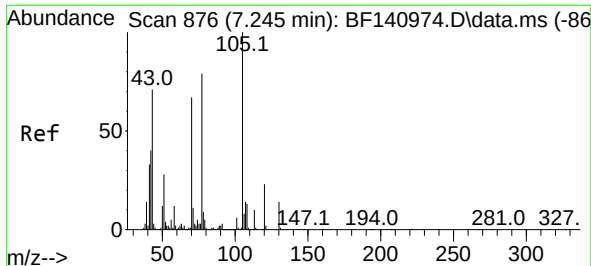


#9
Benzaldehyde
Concen: Below Cal
RT: 6.369 min Scan# 727
Delta R.T. -0.006 min
Lab File: BF141041.D
Acq: 30 Dec 2024 19:51

Tgt Ion: 77 Resp: 817

Ion	Ratio	Lower	Upper
77	100		
105	151.4	76.2	116.2#
106	88.7	73.4	113.4

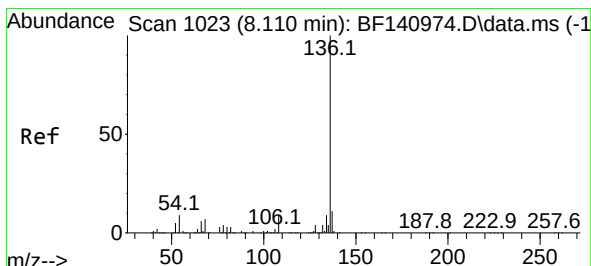
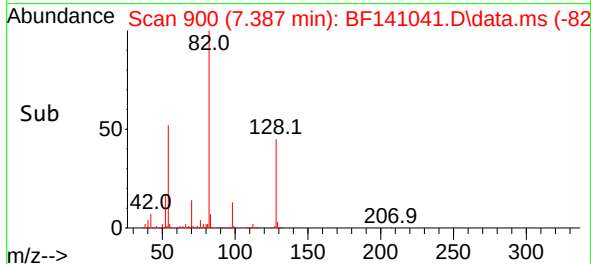
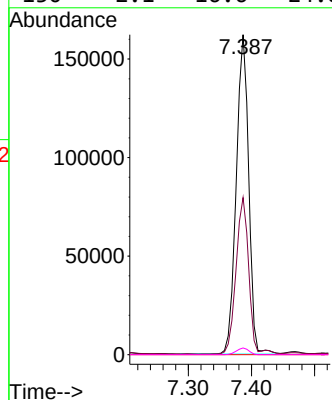
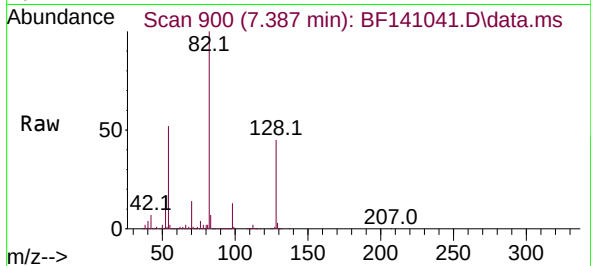




#19
n-Nitroso-di-n-propylamine
Concen: 14.661 ng
RT: 7.387 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF141041.D
Acq: 30 Dec 2024 19:51

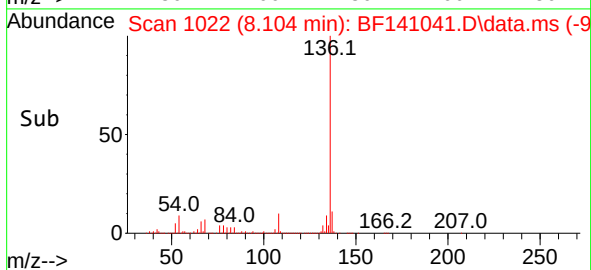
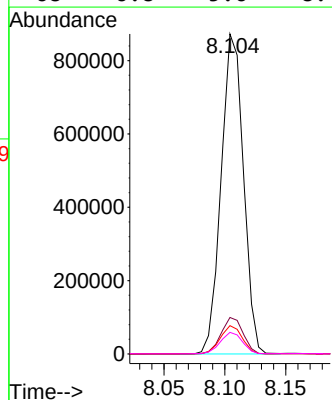
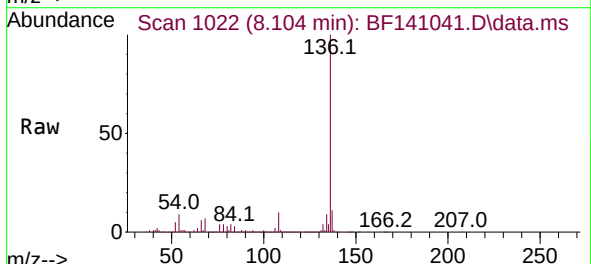
Instrument :
BNA_F
ClientSampleId :
NB-07-12272024

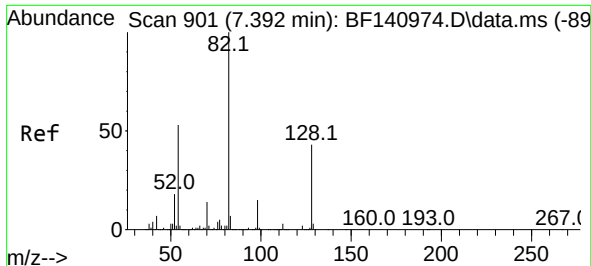
Tgt Ion: 70 Resp: 222008
Ion Ratio Lower Upper
70 100
42 49.1 48.1 72.1
101 0.0 7.6 11.4#
130 2.1 16.6 24.8#



#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# 900

Delta R.T. -0.006 min

Lab File: BF141041.D

Acq: 30 Dec 2024 19:51

Instrument :

BNA_F

ClientSampleId :

NB-07-12272024

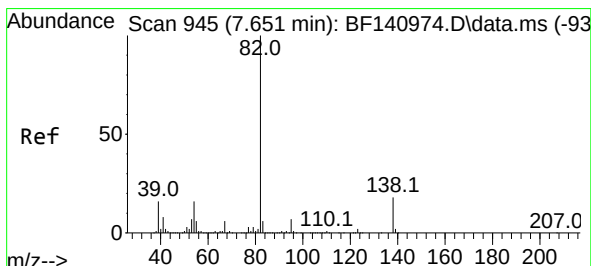
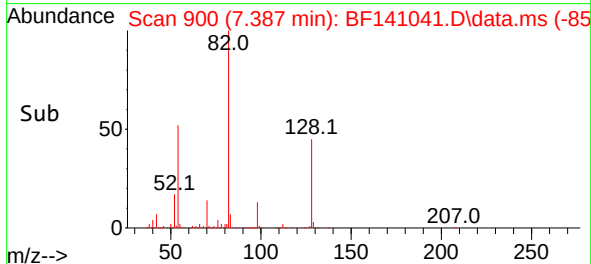
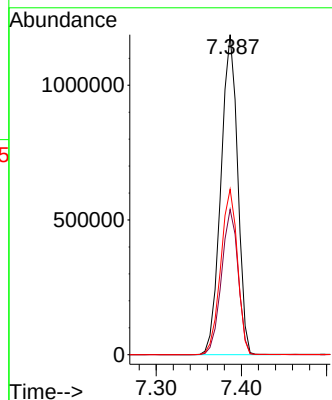
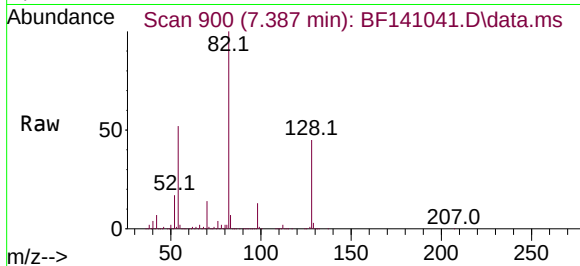
Tgt Ion: 82 Resp: 1620658

Ion Ratio Lower Upper

82 100

128 45.4 34.4 51.6

54 51.7 42.4 63.6



#25

Isophorone

Concen: 42.548 ng

RT: 7.387 min Scan# 900

Delta R.T. -0.265 min

Lab File: BF141041.D

Acq: 30 Dec 2024 19:51

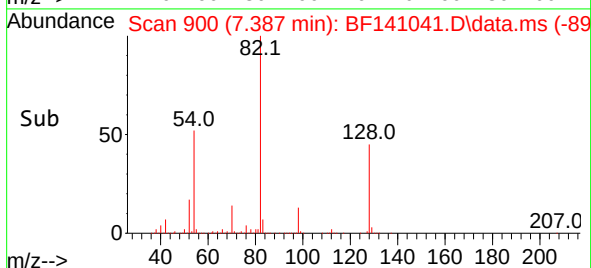
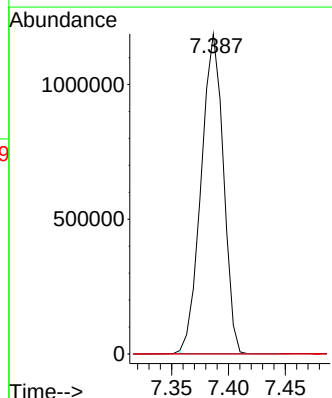
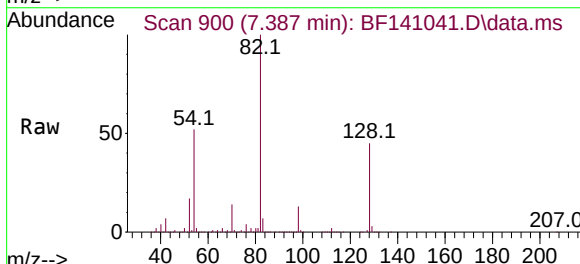
Tgt Ion: 82 Resp: 1609834

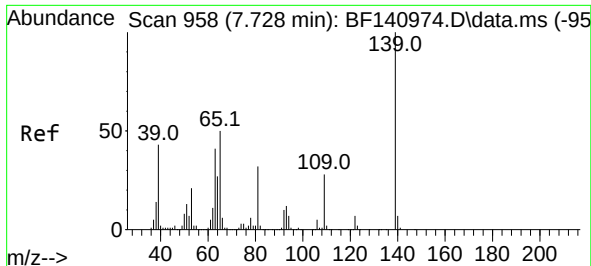
Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

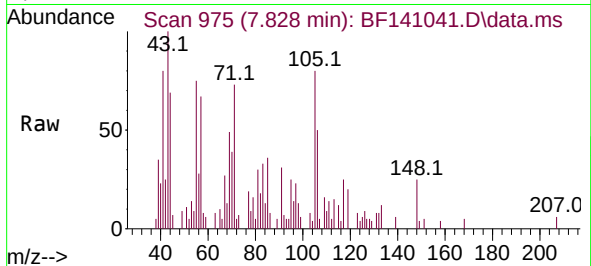
138 0.0 14.6 21.8#



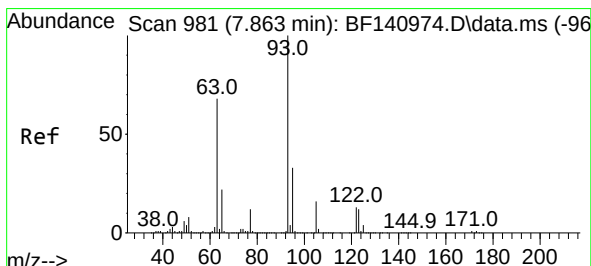
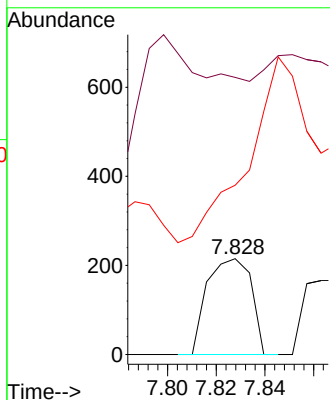
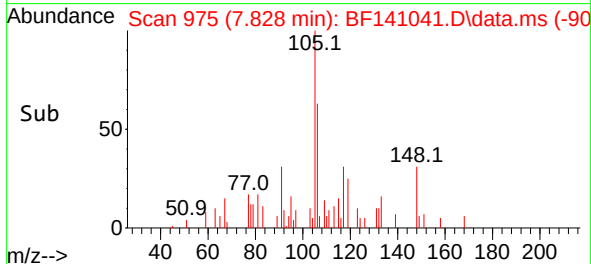


#26
2-Nitrophenol
Concen: 5.332 ng
RT: 7.828 min Scan# 91
Delta R.T. 0.100 min
Lab File: BF141041.D
Acq: 30 Dec 2024 19:51

Instrument :
BNA_F
ClientSampleId :
NB-07-12272024

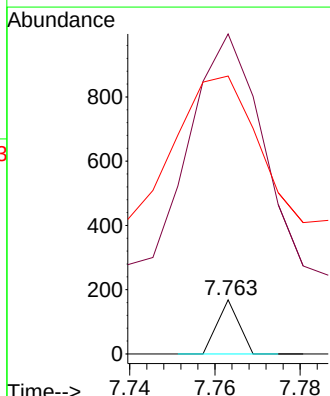
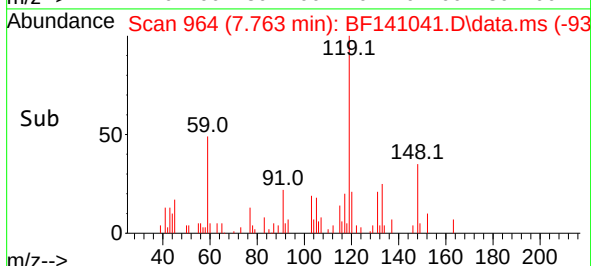
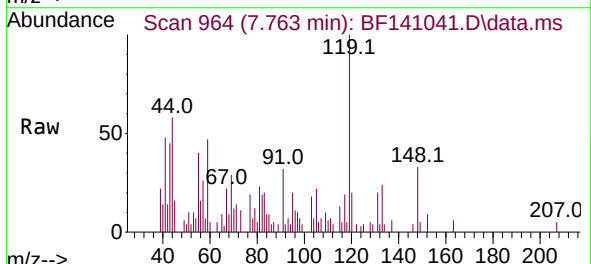


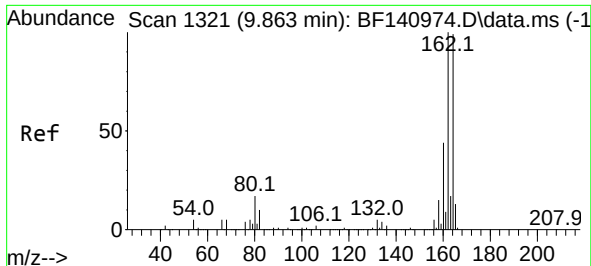
Tgt Ion:139 Resp: 270
Ion Ratio Lower Upper
139 100
109 289.3 22.2 33.4#
65 176.7 40.2 60.4#



#32
Benzoic acid
Concen: 7.697 ng
RT: 7.763 min Scan# 964
Delta R.T. -0.100 min
Lab File: BF141041.D
Acq: 30 Dec 2024 19:51

Tgt Ion:122 Resp: 59
Ion Ratio Lower Upper
122 100
105 592.9 105.4 145.4#
77 514.9 76.4 116.4#

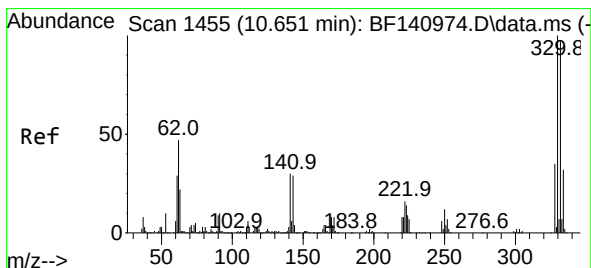
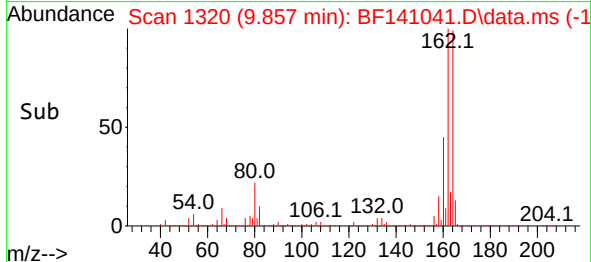
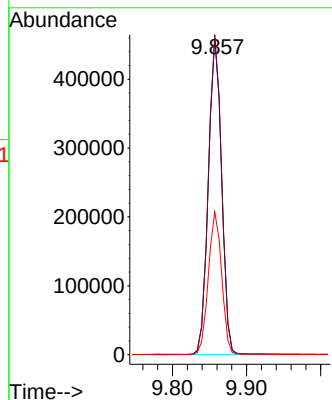
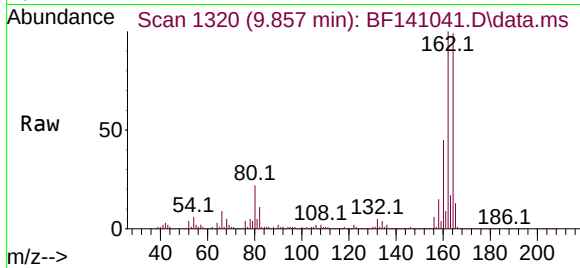




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141041.D
Acq: 30 Dec 2024 19:51

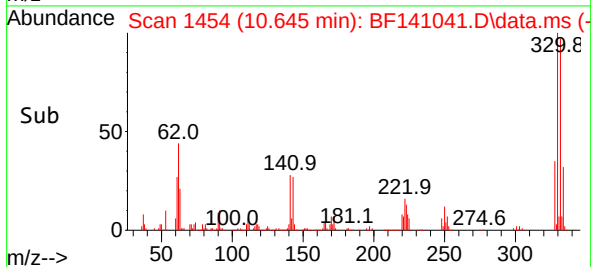
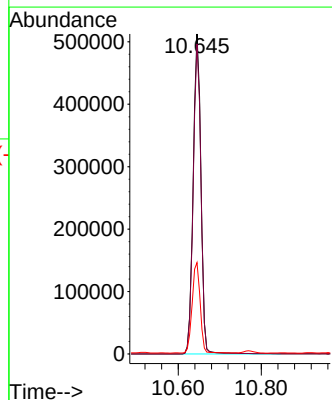
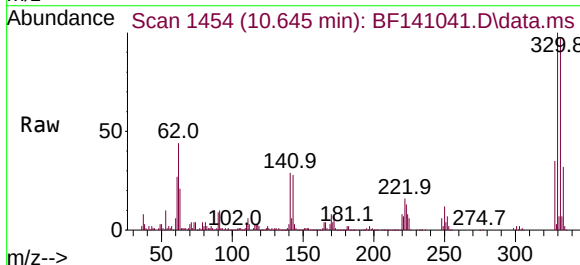
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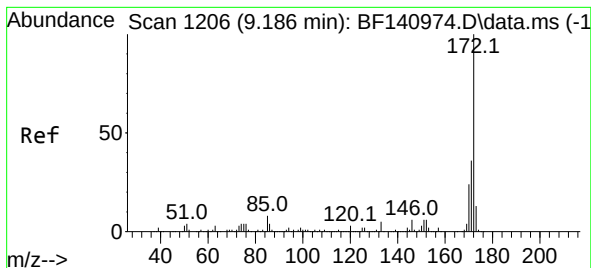
Tgt Ion:164 Resp: 570701
Ion Ratio Lower Upper
164 100
162 101.0 80.6 120.8
160 45.1 35.7 53.5



#42
2,4,6-Tribromophenol
Concen: 119.347 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF141041.D
Acq: 30 Dec 2024 19:51

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# 1

Delta R.T. -0.006 min

Lab File: BF141041.D

Acq: 30 Dec 2024 19:51

Instrument :

BNA_F

ClientSampleId :

NB-07-12272024

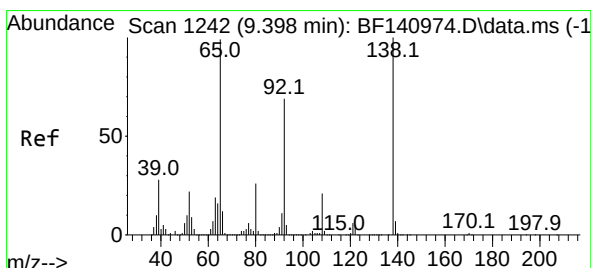
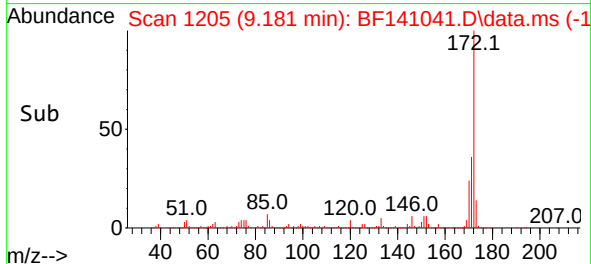
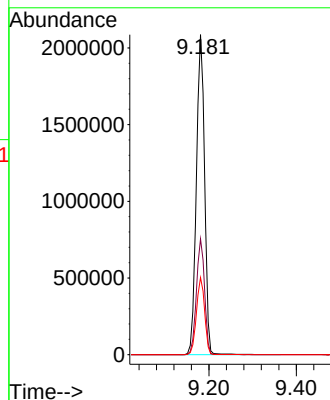
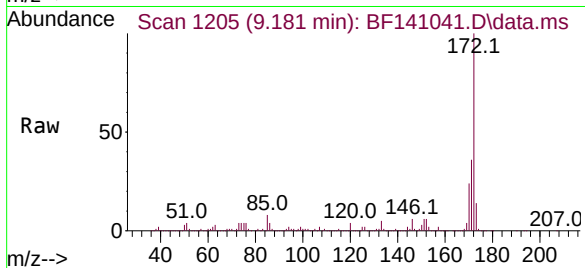
Tgt Ion:172 Resp: 2737498

Ion Ratio Lower Upper

172 100

171 36.2 29.0 43.4

170 24.1 19.6 29.4



#48

2-Nitroaniline

Concen: 4.774 ng

RT: 9.416 min Scan# 1245

Delta R.T. 0.018 min

Lab File: BF141041.D

Acq: 30 Dec 2024 19:51

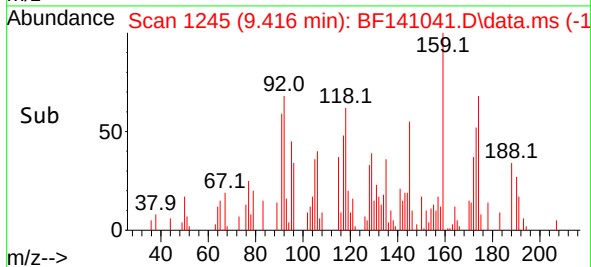
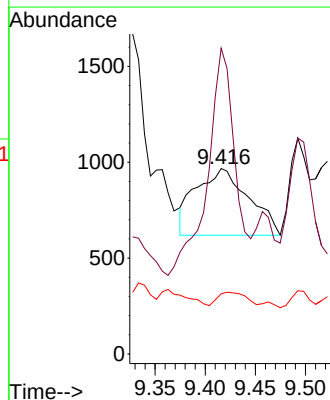
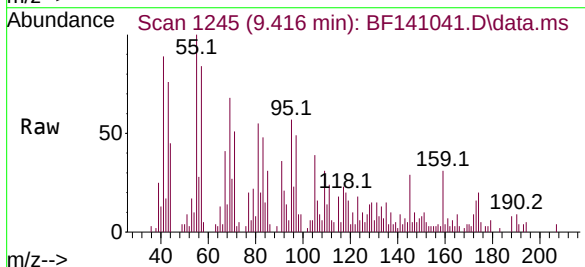
Tgt Ion: 65 Resp: 1278

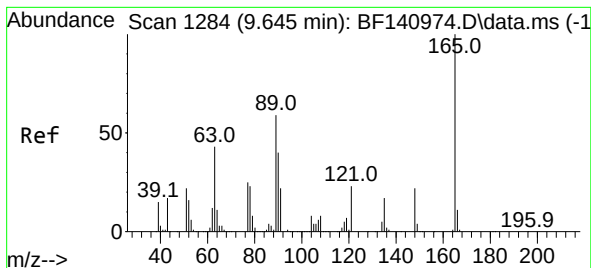
Ion Ratio Lower Upper

65 100

92 165.0 55.6 83.4#

138 32.5 80.5 120.7#





#51

2,6-Dinitrotoluene

Concen: 13.037 ng

RT: 9.857 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF141041.D

Acq: 30 Dec 2024 19:51

Instrument :

BNA_F

ClientSampleId :

NB-07-12272024

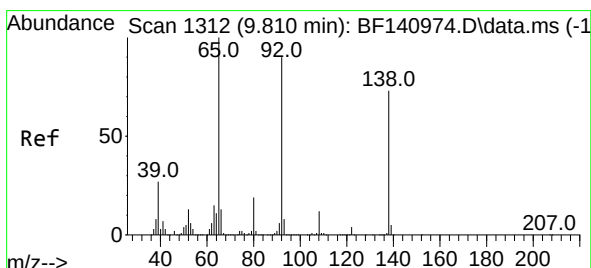
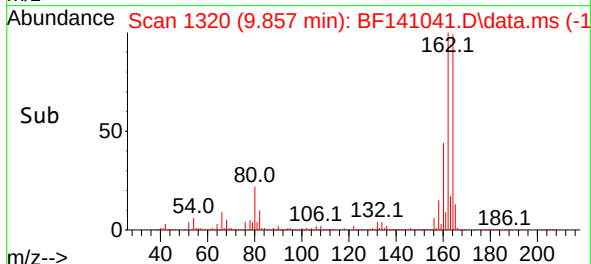
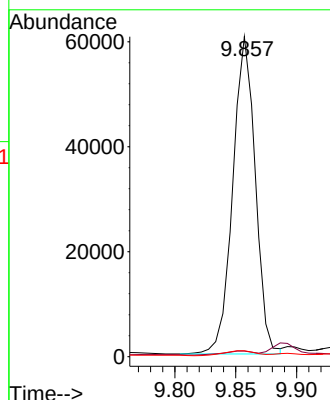
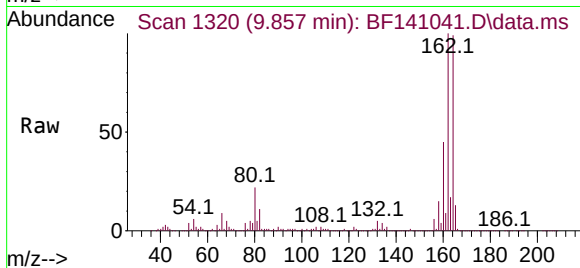
Tgt Ion:165 Resp: 77750

Ion Ratio Lower Upper

165 100

63 1.8 47.1 70.7#

89 1.8 47.0 70.4#



#53

3-Nitroaniline

Concen: 3.330 ng

RT: 9.839 min Scan# 1317

Delta R.T. 0.029 min

Lab File: BF141041.D

Acq: 30 Dec 2024 19:51

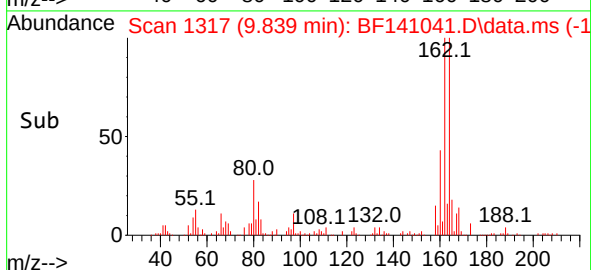
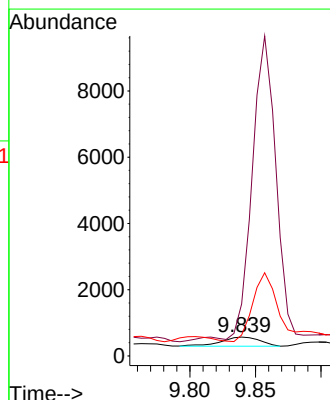
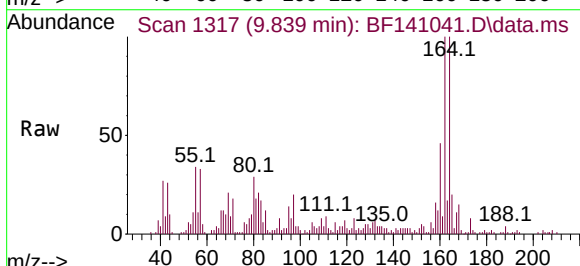
Tgt Ion:138 Resp: 579

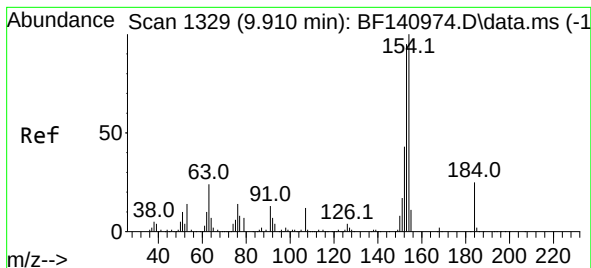
Ion Ratio Lower Upper

138 100

108 275.6 13.5 20.3#

92 111.1 97.7 146.5

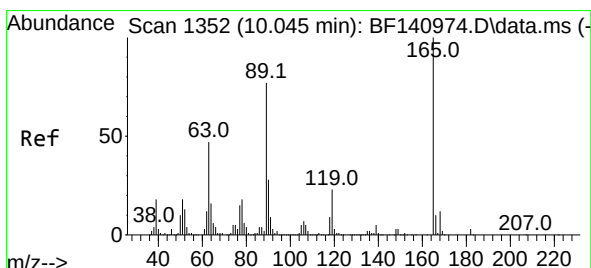
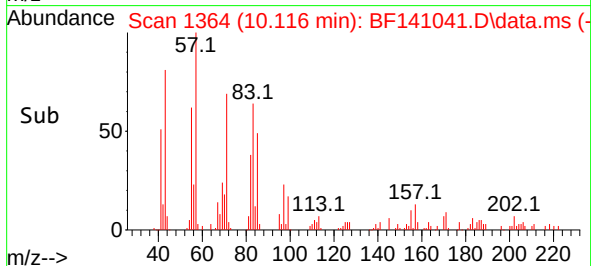
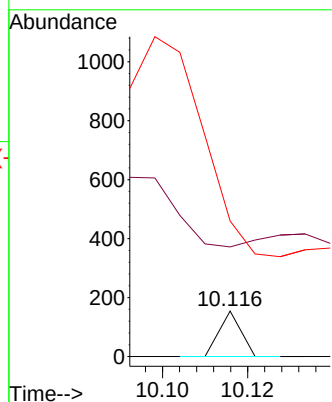
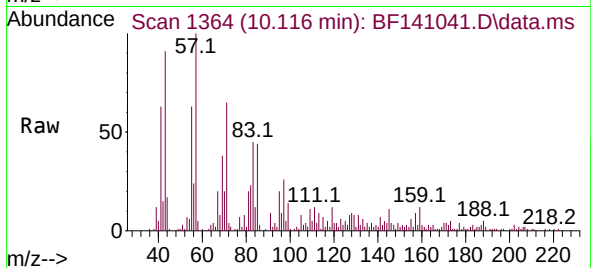




#54
2,4-Dinitrophenol
Concen: 6.215 ng
RT: 10.116 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF141041.D
Acq: 30 Dec 2024 19:51

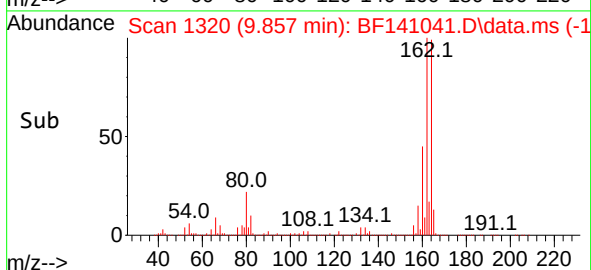
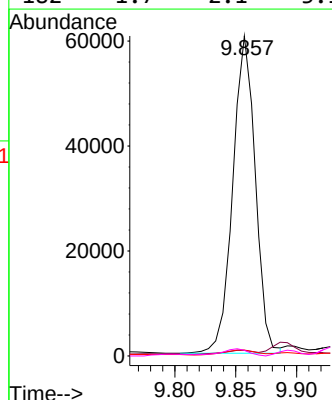
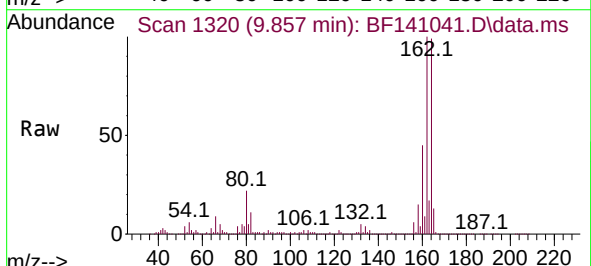
Instrument :
BNA_F
ClientSampleId :
NB-07-12272024

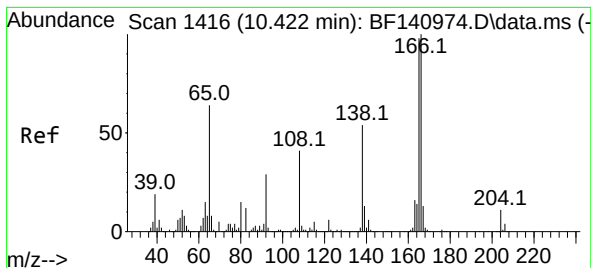
Tgt Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 241.6 81.6 122.4#
154 298.7 363.5 545.3#



#57
2,4-Dinitrotoluene
Concen: 12.021 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.188 min
Lab File: BF141041.D
Acq: 30 Dec 2024 19:51

Tgt Ion:165 Resp: 77750
Ion Ratio Lower Upper
165 100
63 1.8 38.1 57.1#
89 1.8 61.4 92.2#
182 1.7 2.1 3.1#

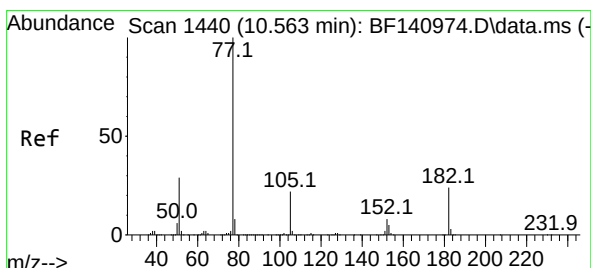
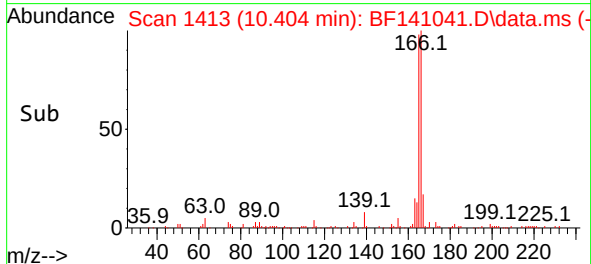
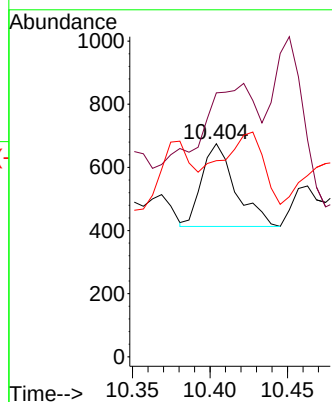
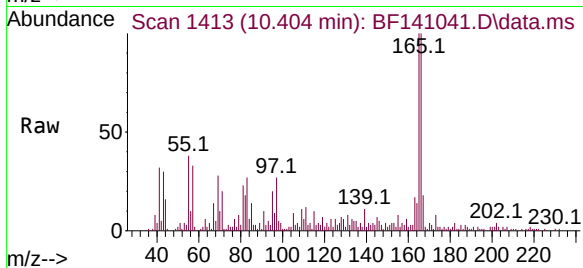




#62
4-Nitroaniline
Concen: 3.390 ng
RT: 10.404 min Scan# 1416
Delta R.T. -0.018 min
Lab File: BF141041.D
Acq: 30 Dec 2024 19:51

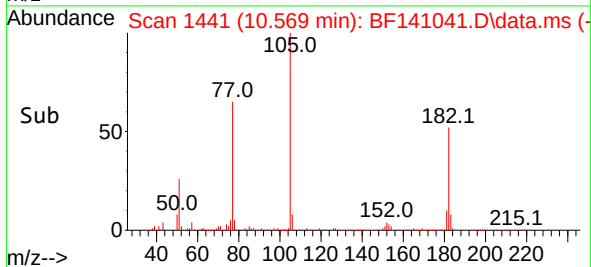
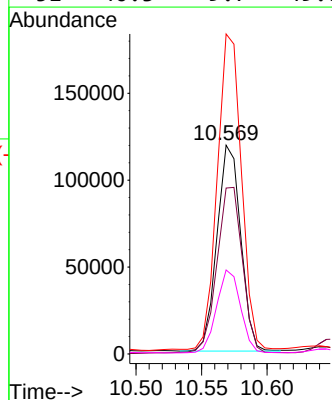
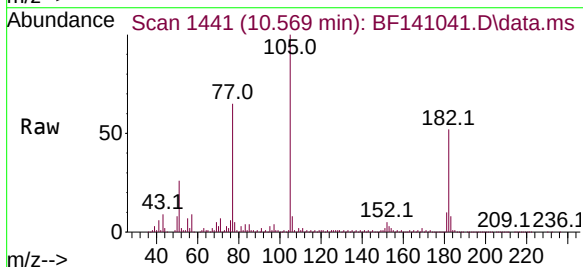
Instrument :
BNA_F
ClientSampleId :
NB-07-12272024

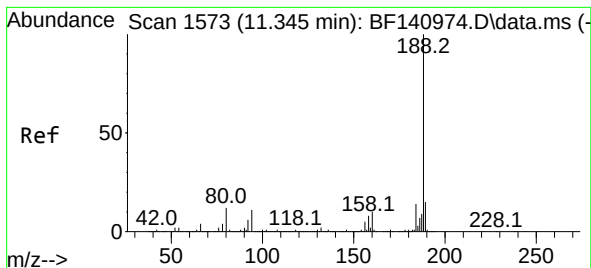
Tgt Ion:138 Resp: 397
Ion Ratio Lower Upper
138 100
92 123.9 34.8 74.8#
108 92.0 55.9 95.9



#63
Azobenzene
Concen: 3.828 ng
RT: 10.569 min Scan# 1441
Delta R.T. 0.006 min
Lab File: BF141041.D
Acq: 30 Dec 2024 19:51

Tgt Ion: 77 Resp: 148888
Ion Ratio Lower Upper
77 100
182 79.5 4.1 44.1#
105 153.2 1.8 41.8#
51 40.3 9.7 49.7





#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

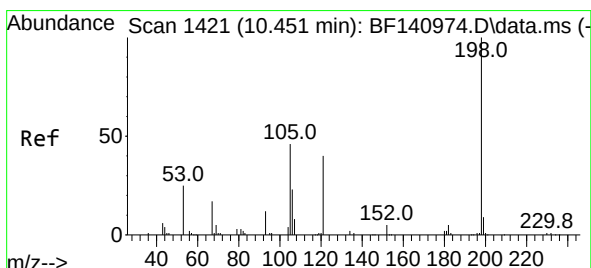
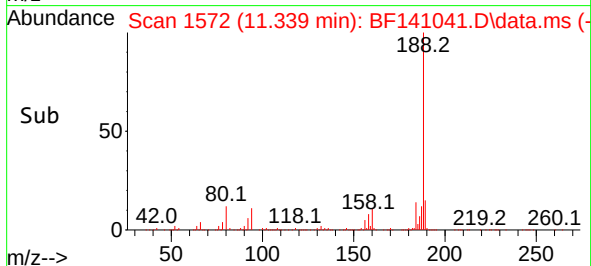
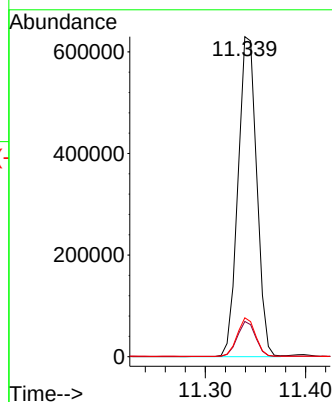
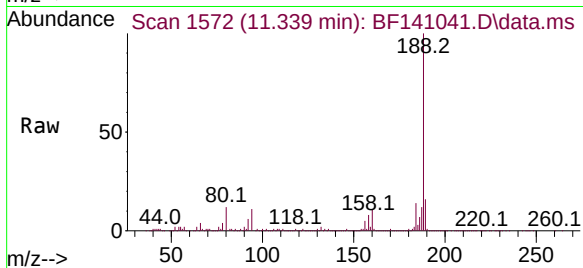
Tgt Ion:188 Resp: 818165

Ion Ratio Lower Upper

188 100

94 11.0 9.0 13.6

80 12.1 9.8 14.6



#65

4,6-Dinitro-2-methylphenol

Concen: 9.357 ng

RT: 10.569 min Scan# 1441

Delta R.T. 0.118 min

Lab File: BF141041.D

Acq: 30 Dec 2024 19:51

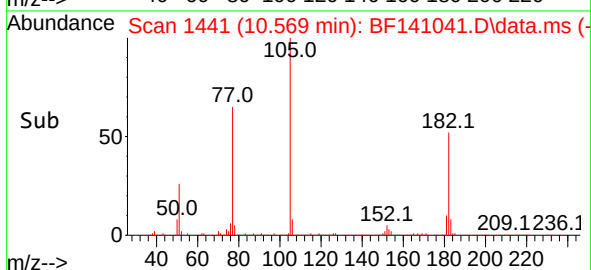
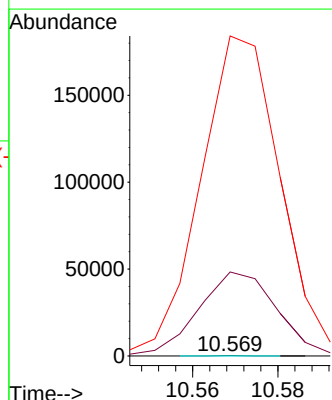
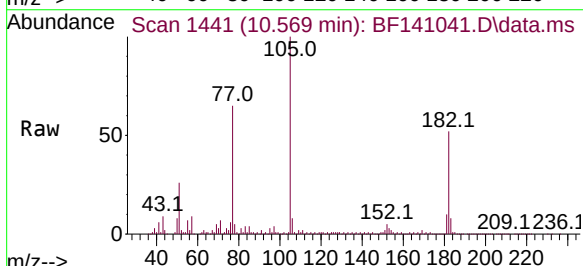
Tgt Ion:198 Resp: 57

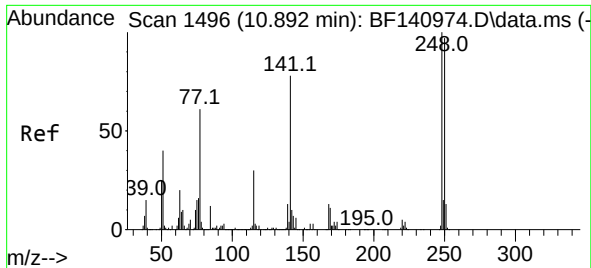
Ion Ratio Lower Upper

198 100

51 29856.8 32.3 72.3#

105 113659.3 28.4 68.4#

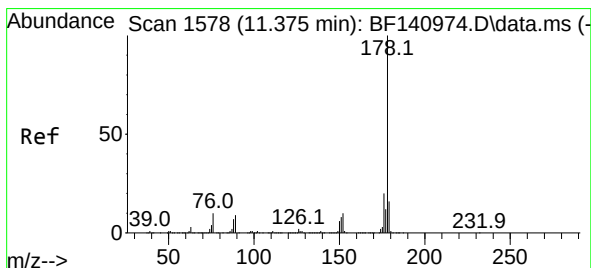
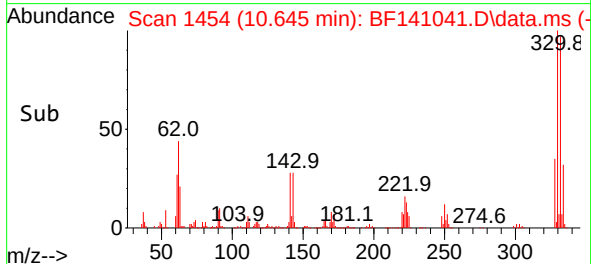
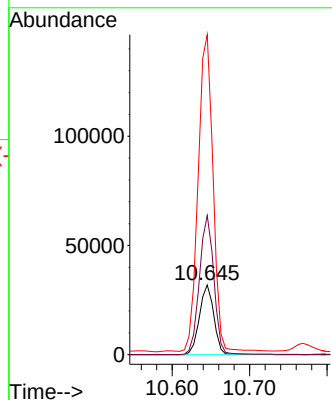
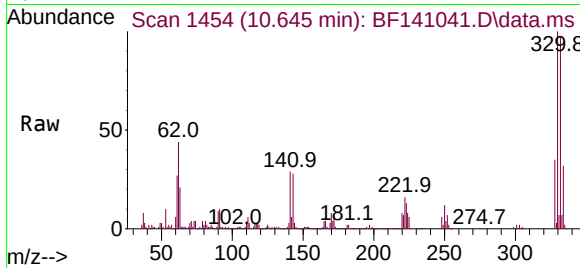




#67
4-Bromophenyl-phenylether
Concen: 4.682 ng
RT: 10.645 min Scan# 1496
Delta R.T. -0.247 min
Lab File: BF141041.D
Acq: 30 Dec 2024 19:51

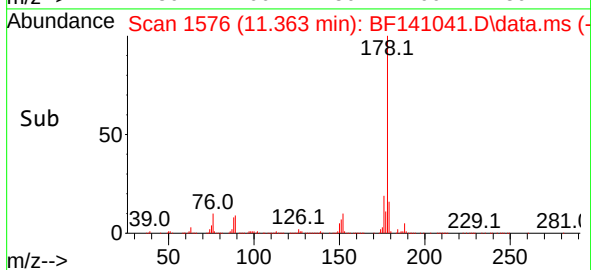
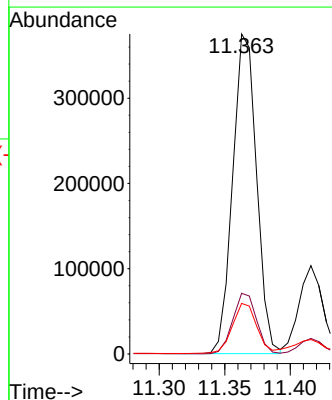
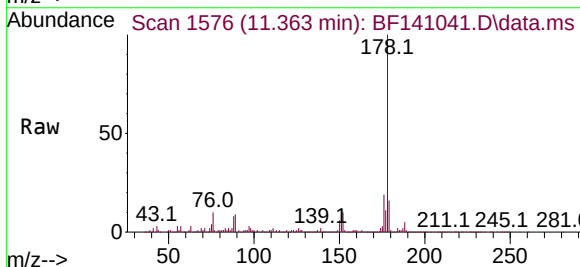
Instrument :
BNA_F
ClientSampleId :
NB-07-12272024

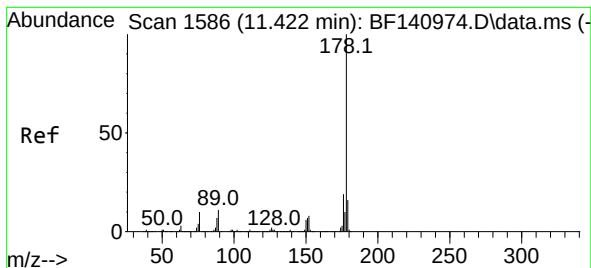
Tgt Ion:248 Resp: 41413
Ion Ratio Lower Upper
248 100
250 199.6 77.7 116.5#
141 459.1 62.1 93.1#



#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

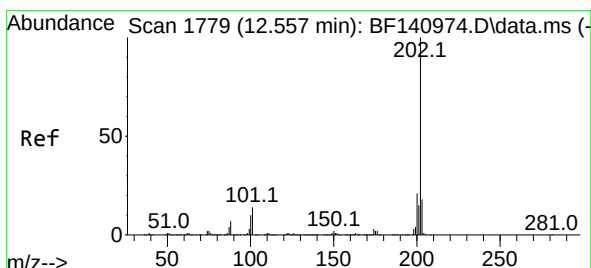
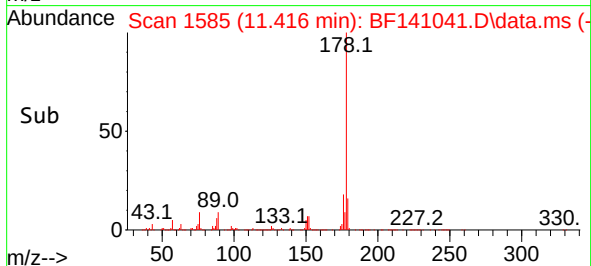
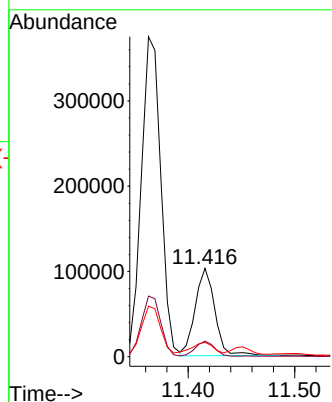
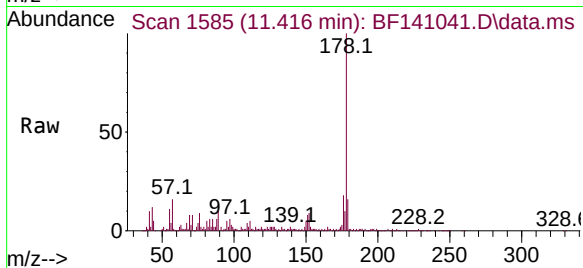
Tgt Ion:178 Resp: 131481

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

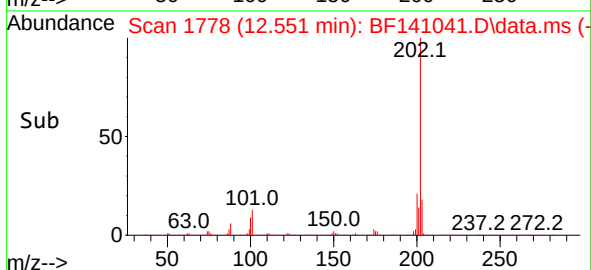
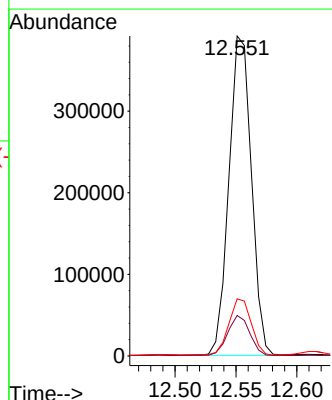
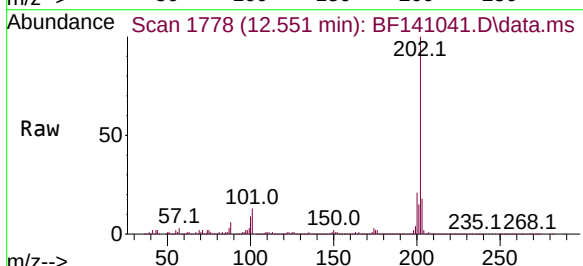
Tgt Ion:202 Resp: 504058

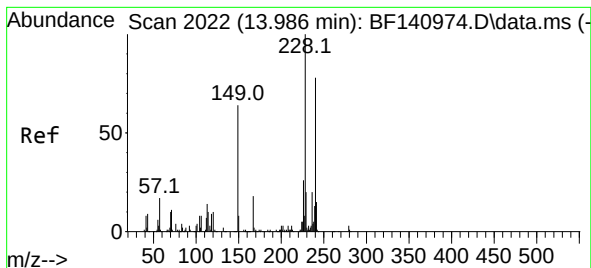
Ion Ratio Lower Upper

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

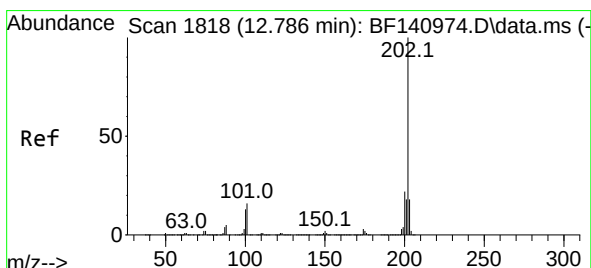
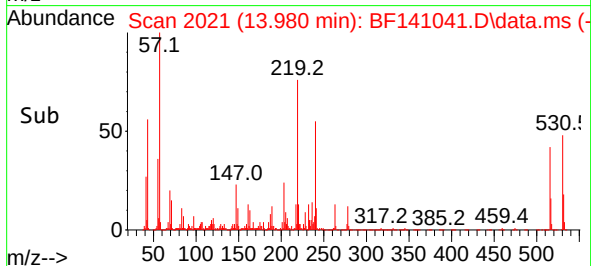
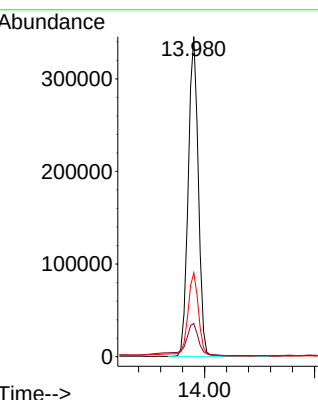
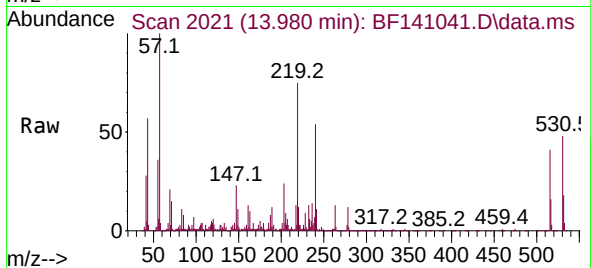
Tgt Ion:240 Resp: 442025

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

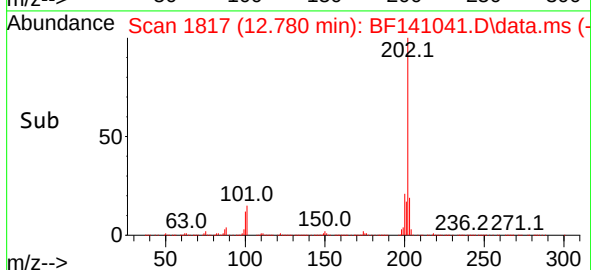
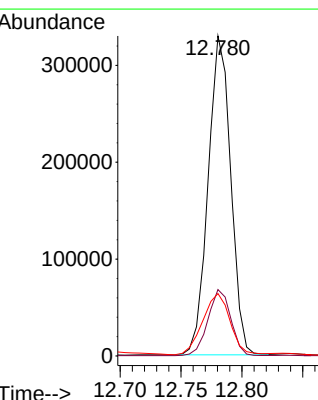
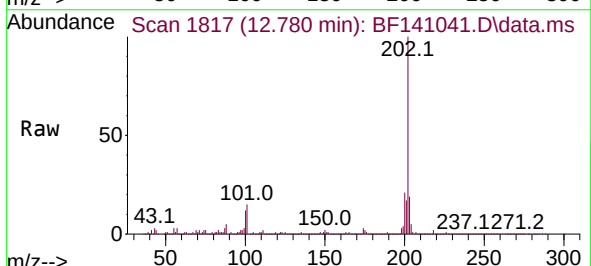
Tgt Ion:202 Resp: 425898

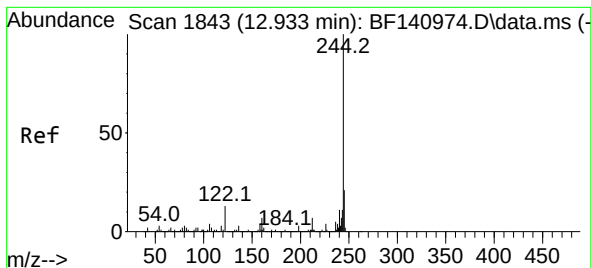
Ion Ratio Lower Upper

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

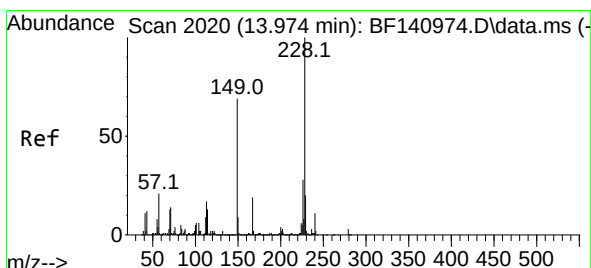
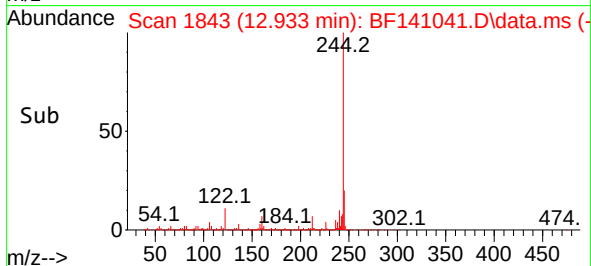
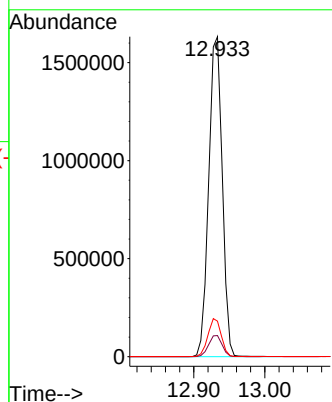
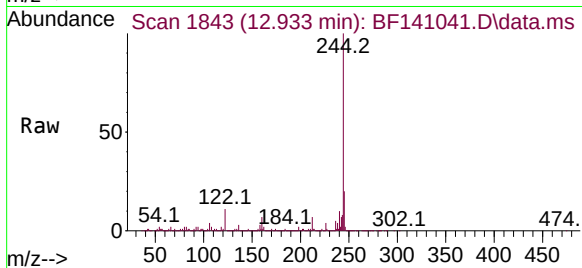
Tgt Ion:244 Resp: 2167823

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

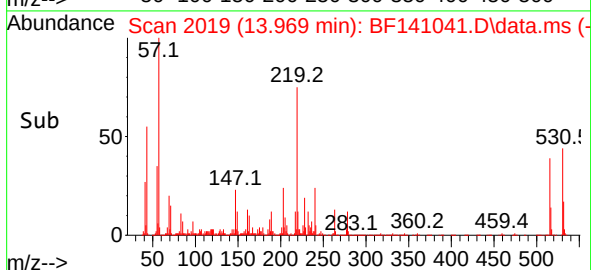
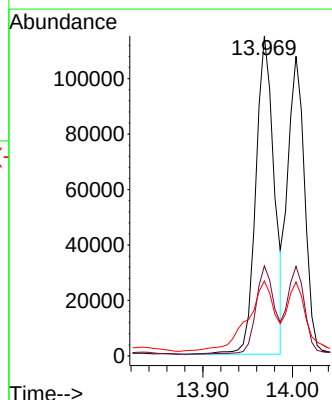
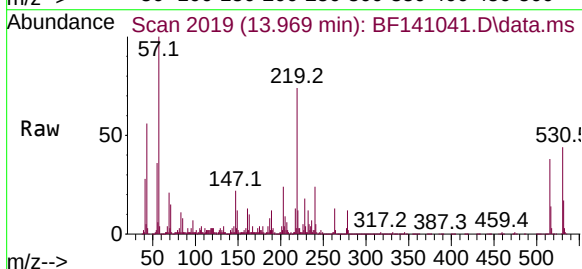
Tgt Ion:228 Resp: 162953

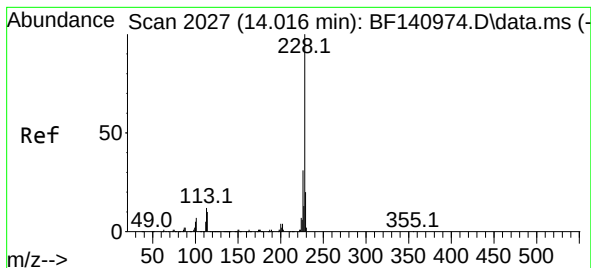
Ion Ratio Lower Upper

228 100

226 28.2 22.1 33.1

229 23.5 16.2 24.2





#83

Chrysene

Concen: 5.868 ng

RT: 13.969 min Scan# 20

Delta R.T. -0.047 min

Lab File: BF141041.D

Acq: 30 Dec 2024 19:51

Instrument :

BNA_F

ClientSampleId :

NB-07-12272024

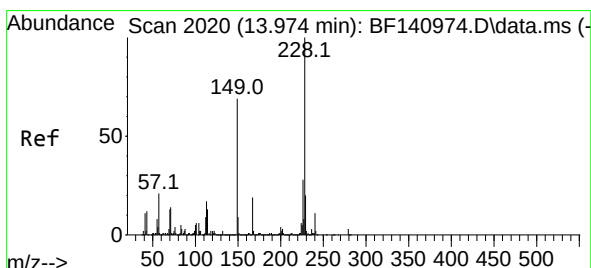
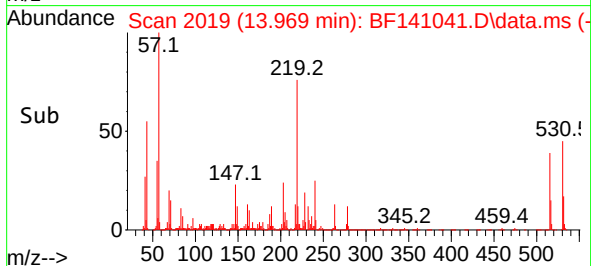
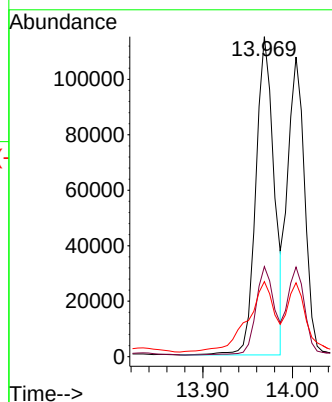
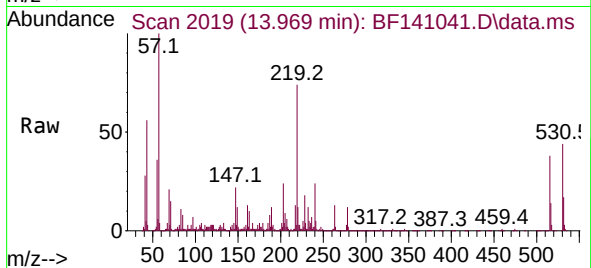
Tgt Ion:228 Resp: 162953

Ion Ratio Lower Upper

228 100

226 28.2 24.5 36.7

229 23.5 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

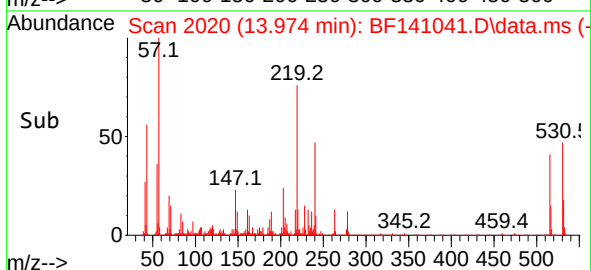
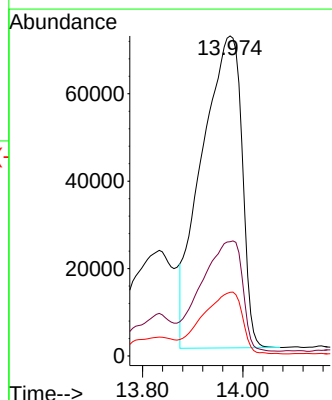
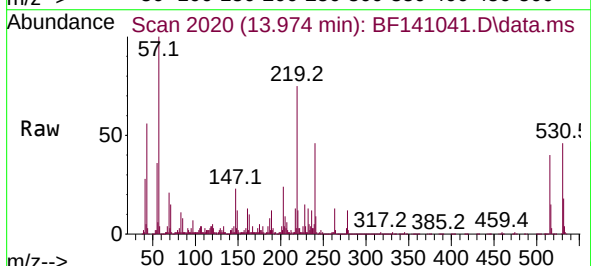
Tgt Ion:149 Resp: 398129

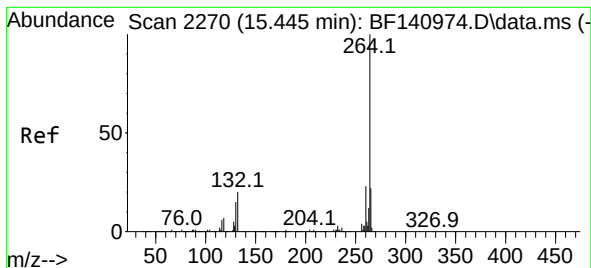
Ion Ratio Lower Upper

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

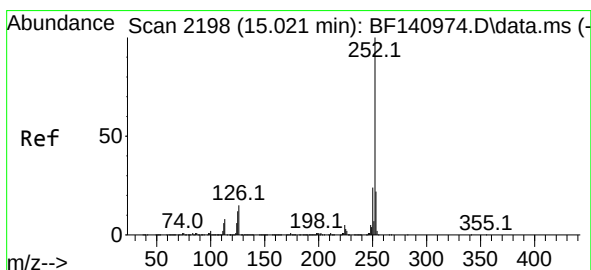
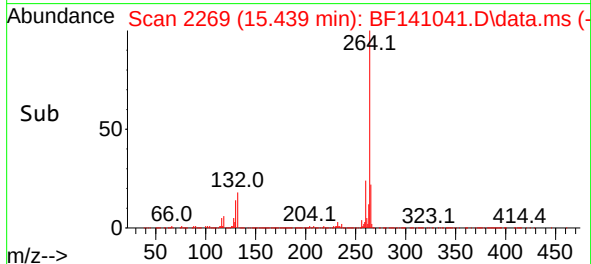
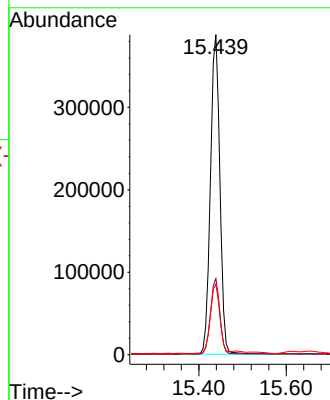
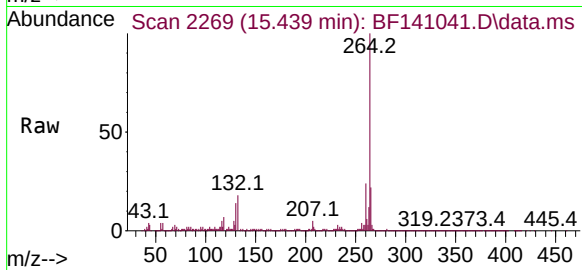
Tgt Ion:264 Resp: 583482

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: 6.812 ng

RT: 15.016 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF141041.D

Acq: 30 Dec 2024 19:51

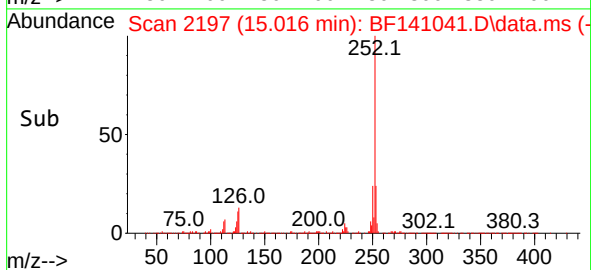
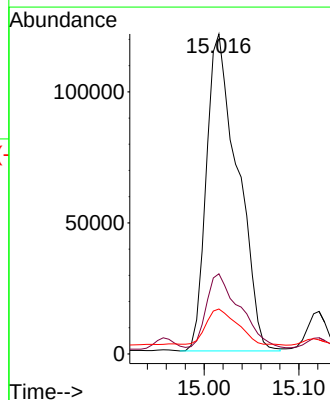
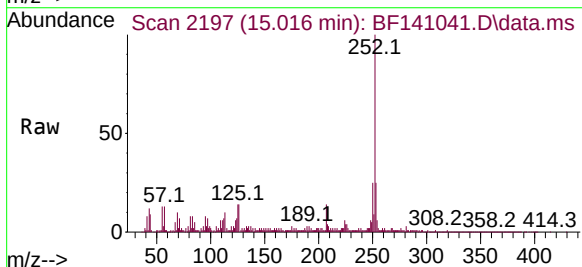
Tgt Ion:252 Resp: 277198

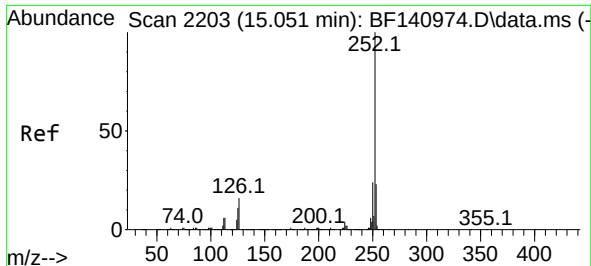
Ion Ratio Lower Upper

252 100

253 25.0 17.7 26.5

125 14.0 9.3 13.9#

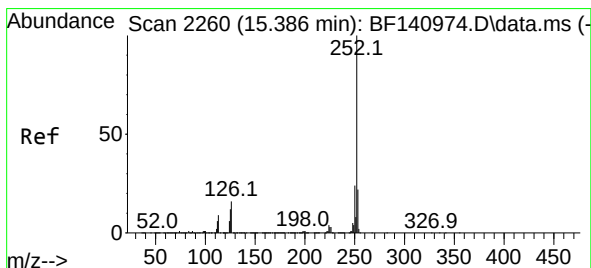
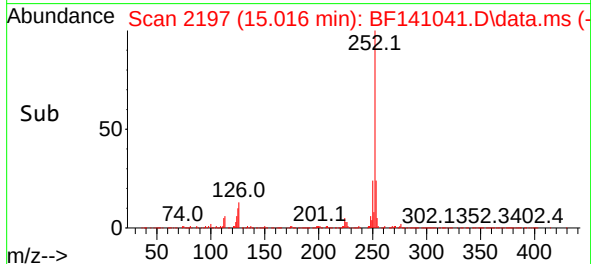
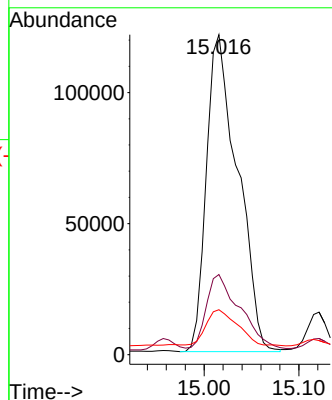
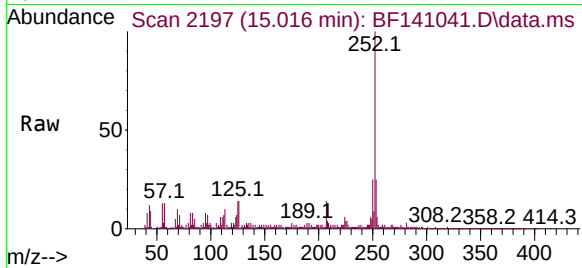




#89
Benzo(k)fluoranthene
Concen: 8.691 ng
RT: 15.016 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF141041.D
Acq: 30 Dec 2024 19:51

Instrument :
BNA_F
ClientSampleId :
NB-07-12272024

Tgt Ion:252 Resp: 277198
Ion Ratio Lower Upper
252 100
253 25.0 17.8 26.8
125 14.0 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

