

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
 Data File : BF141053.D
 Acq On : 31 Dec 2024 12:42
 Operator : RC/JU
 Sample : P5398-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 341-349

Quant Time: Dec 31 13:02:29 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)

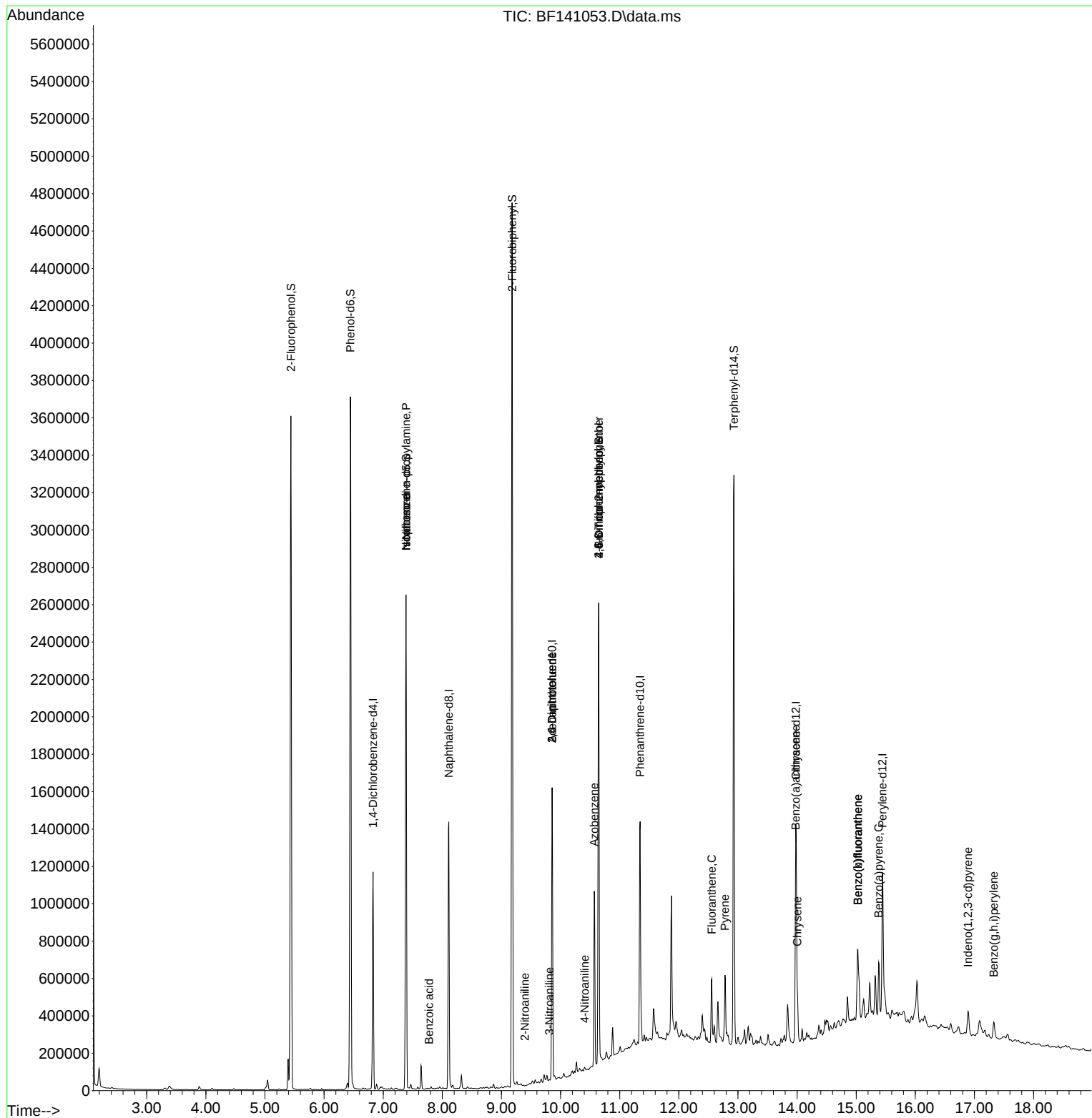
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	234973	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	909719	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	452308	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	616256	20.000	ng	0.00
76) Chrysene-d12	13.980	240	475816	20.000	ng	0.00
86) Perylene-d12	15.445	264	455094	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	1512038	96.999	ng	0.00
7) Phenol-d6	6.445	99	1850361	92.145	ng	0.00
23) Nitrobenzene-d5	7.387	82	1161744	81.702	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	444441	101.122	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	2023375	71.273	ng	0.00
79) Terphenyl-d14	12.933	244	1523154	53.171	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.375	77	563	Below Cal		97
19) n-Nitroso-di-n-propyla...	7.387	70	156801	12.746 ng	#	78
25) Isophorone	7.387	82	1146137	37.042 ng	#	65
32) Benzoic acid	7.775	122	932	7.777 ng		97
48) 2-Nitroaniline	9.398	65	382	4.693 ng	#	6
51) 2,6-Dinitrotoluene	9.857	165	59329	12.689 ng	#	23
53) 3-Nitroaniline	9.810	138	969	3.402 ng	#	15
57) 2,4-Dinitrotoluene	9.857	165	59358	11.745 ng	#	21
62) 4-Nitroaniline	10.410	138	296	3.388 ng	#	5
63) Azobenzene	10.569	77	245083	7.950 ng	#	1
65) 4,6-Dinitro-2-methylph...	10.645	198	1198	9.736 ng	#	1
67) 4-Bromophenyl-phenylether	10.645	248	27444	4.120 ng	#	1
75) Fluoranthene	12.557	202	195601	5.560 ng		97
78) Pyrene	12.780	202	205929	4.949 ng		98
81) Benzo(a)anthracene	13.974	228	165175	4.981 ng		97
83) Chrysene	14.004	228	124181	4.154 ng		96
87) Indeno(1,2,3-cd)pyrene	16.892	276	93940	3.276 ng		94
88) Benzo(b)fluoranthene	15.027	252	342002	10.775 ng		97
89) Benzo(k)fluoranthene	15.027	252	342002	13.748 ng		97
90) Benzo(a)pyrene	15.380	252	180216	7.315 ng		95
92) Benzo(g,h,i)perylene	17.327	276	84783	3.517 ng		98

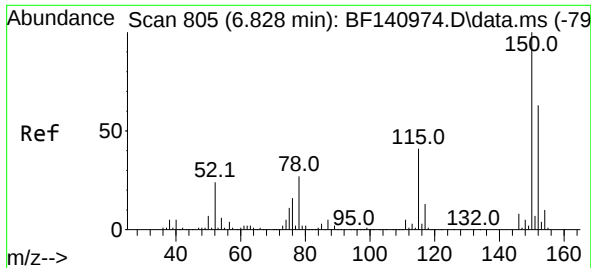
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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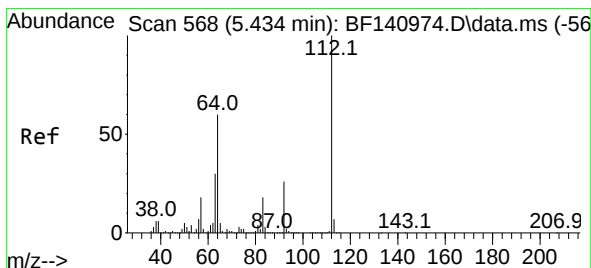
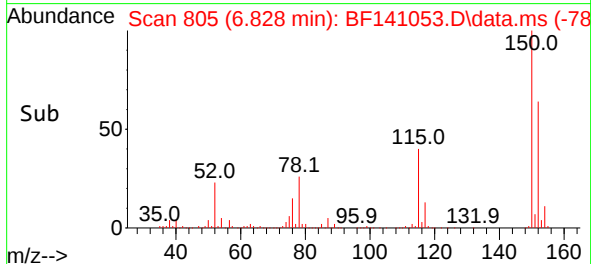
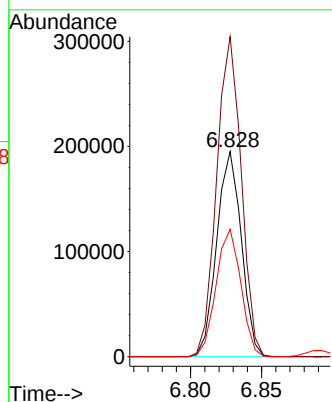
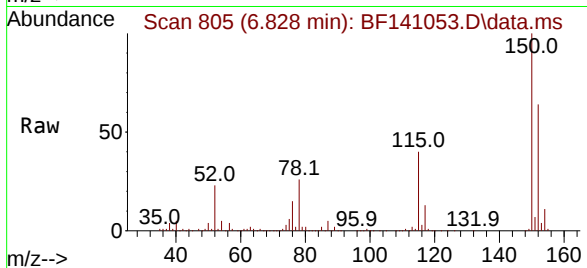




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF141053.D
Acq: 31 Dec 2024 12:42

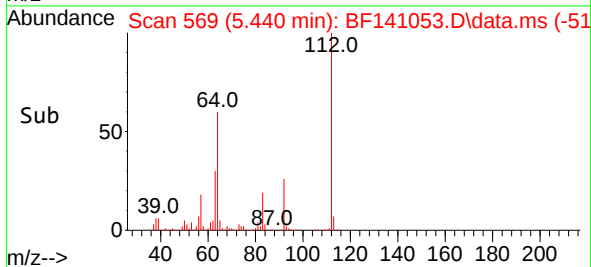
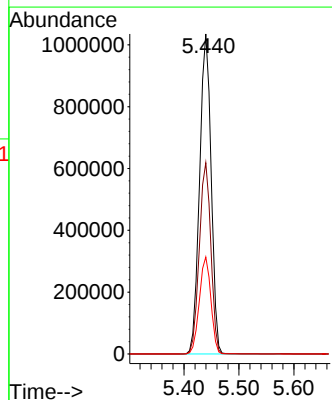
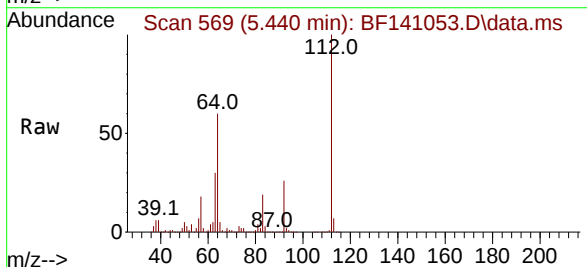
Instrument :
BNA_F
ClientSampleId :
341-349

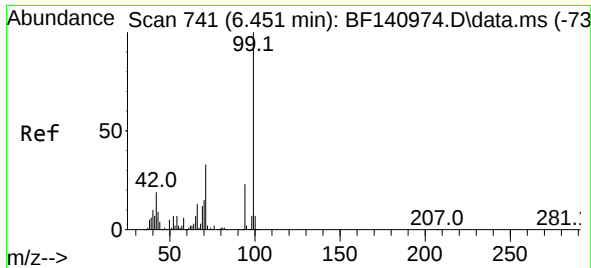
Tgt Ion:152 Resp: 234973
Ion Ratio Lower Upper
152 100
150 156.0 127.0 190.6
115 62.1 51.7 77.5



#5
2-Fluorophenol
Concen: 96.999 ng
RT: 5.440 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF141053.D
Acq: 31 Dec 2024 12:42

Tgt Ion:112 Resp: 1512038
Ion Ratio Lower Upper
112 100
64 59.8 47.7 71.5
63 30.3 24.2 36.2





#7

Phenol-d6

Concen: 92.145 ng

RT: 6.445 min Scan# 741

Delta R.T. -0.006 min

Lab File: BF141053.D

Acq: 31 Dec 2024 12:42

Instrument :

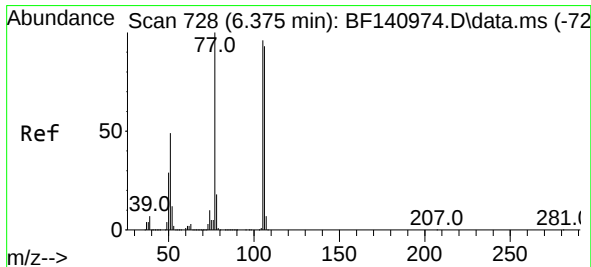
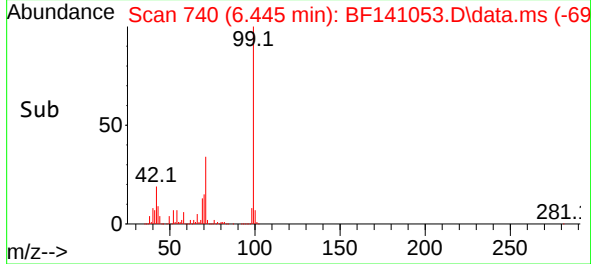
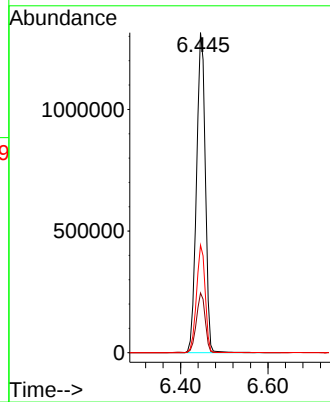
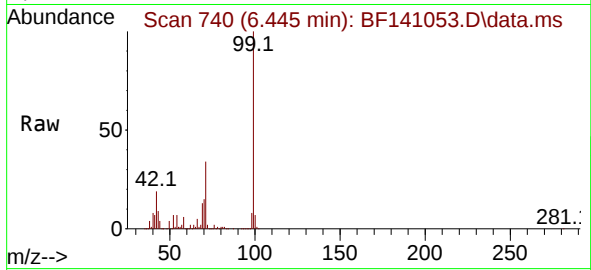
BNA_F

ClientSampleId :

341-349

Tgt Ion: 99 Resp: 1850361

Ion	Ratio	Lower	Upper
99	100		
42	18.6	15.0	22.4
71	33.6	26.2	39.2



#9

Benzaldehyde

Concen: Below Cal

RT: 6.375 min Scan# 728

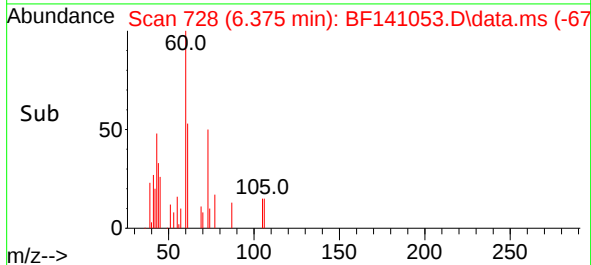
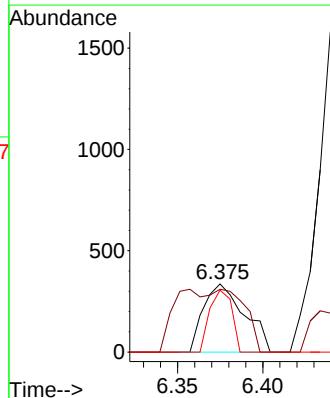
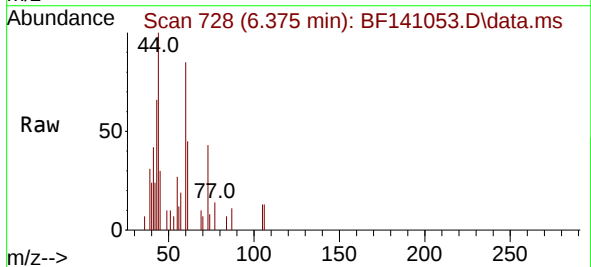
Delta R.T. -0.000 min

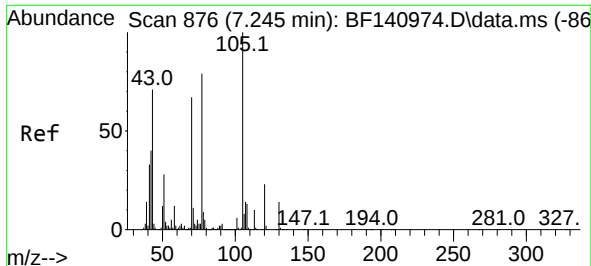
Lab File: BF141053.D

Acq: 31 Dec 2024 12:42

Tgt Ion: 77 Resp: 563

Ion	Ratio	Lower	Upper
77	100		
105	92.3	76.2	116.2
106	90.8	73.4	113.4





#19

n-Nitroso-di-n-propylamine

Concen: 12.746 ng

RT: 7.387 min Scan# 90

Delta R.T. 0.141 min

Lab File: BF141053.D

Acq: 31 Dec 2024 12:42

Instrument :

BNA_F

ClientSampleId :

341-349

Tgt Ion: 70 Resp: 156801

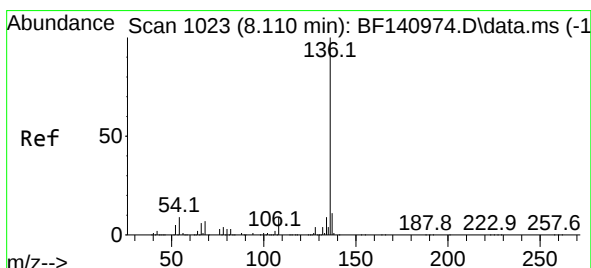
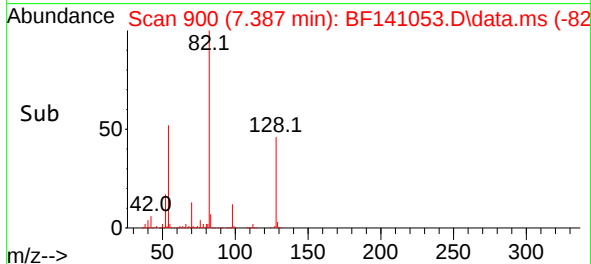
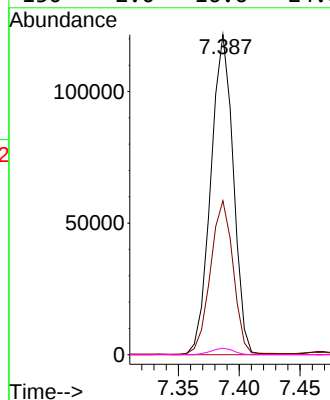
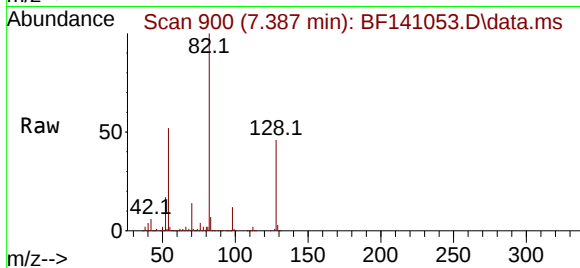
Ion Ratio Lower Upper

70 100

42 48.1 48.1 72.1

101 0.0 7.6 11.4#

130 2.0 16.6 24.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.110 min Scan# 1023

Delta R.T. 0.000 min

Lab File: BF141053.D

Acq: 31 Dec 2024 12:42

Tgt Ion:136 Resp: 909719

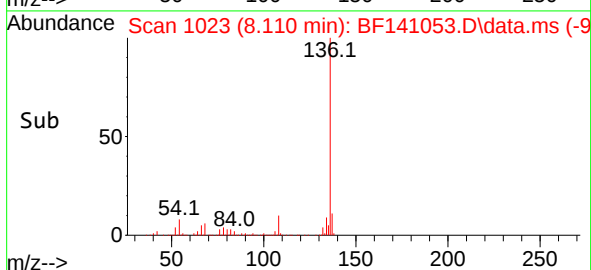
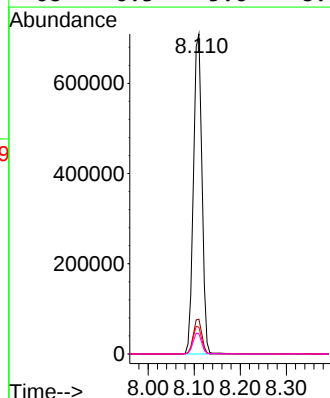
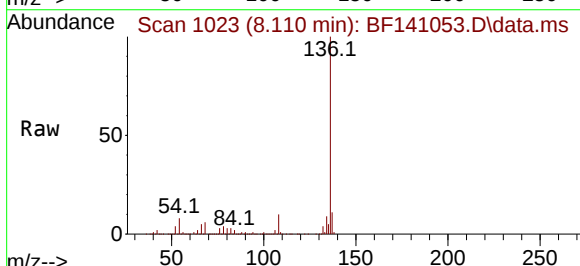
Ion Ratio Lower Upper

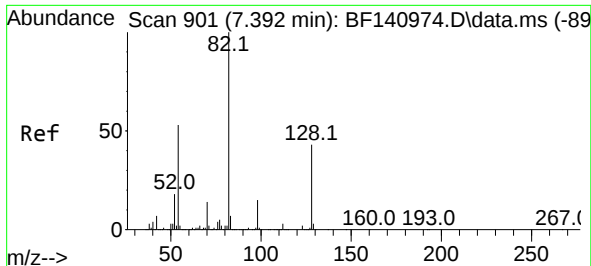
136 100

137 10.8 9.0 13.4

54 8.4 7.6 11.4

68 6.3 5.6 8.4





#23

Nitrobenzene-d5

Concen: 81.702 ng

RT: 7.387 min Scan# 900

Delta R.T. -0.006 min

Lab File: BF141053.D

Acq: 31 Dec 2024 12:42

Instrument :

BNA_F

ClientSampleId :

341-349

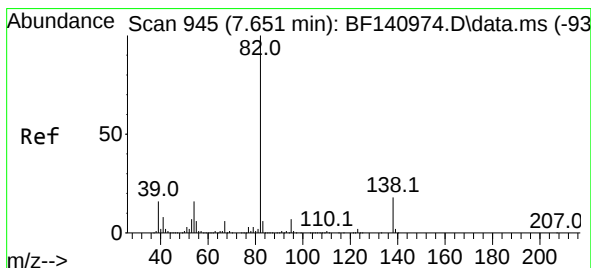
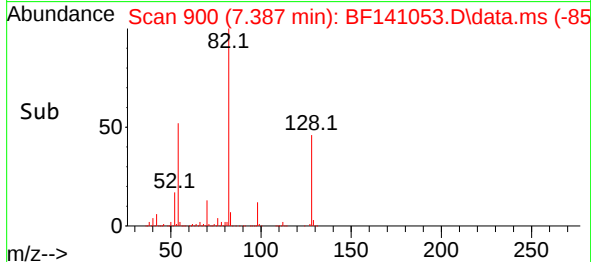
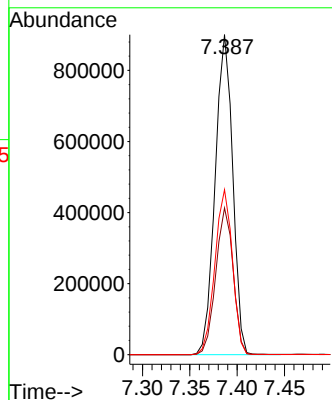
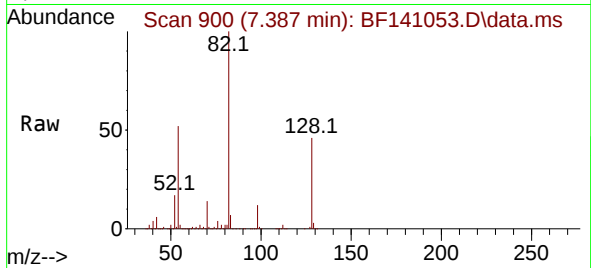
Tgt Ion: 82 Resp: 1161744

Ion Ratio Lower Upper

82 100

128 45.8 34.4 51.6

54 51.5 42.4 63.6



#25

Isophorone

Concen: 37.042 ng

RT: 7.387 min Scan# 900

Delta R.T. -0.265 min

Lab File: BF141053.D

Acq: 31 Dec 2024 12:42

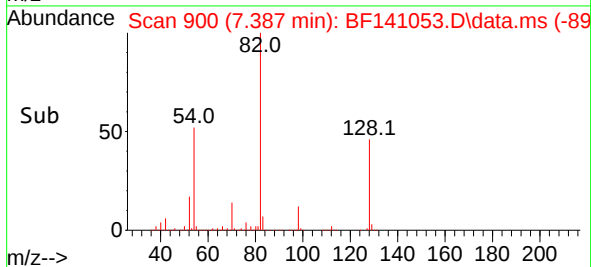
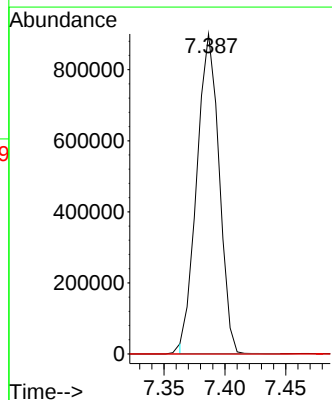
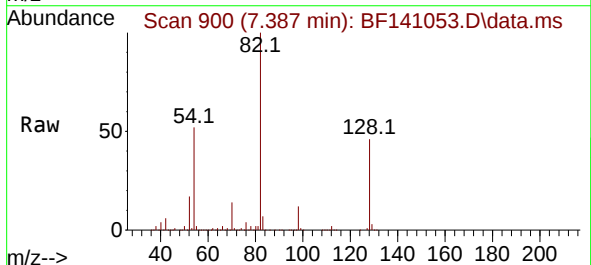
Tgt Ion: 82 Resp: 1146137

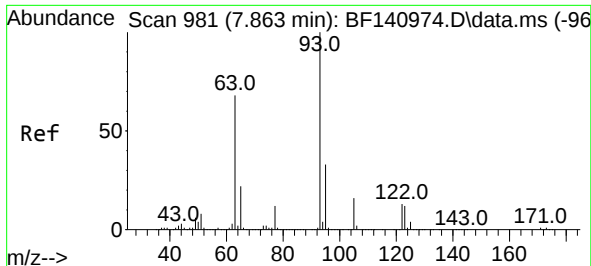
Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.6 21.8#

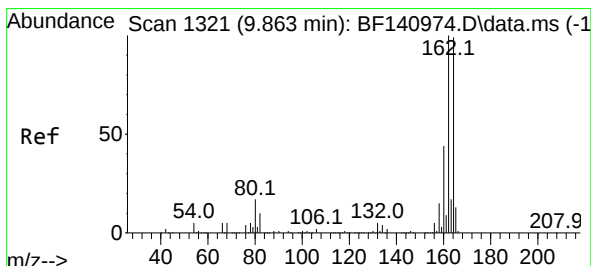
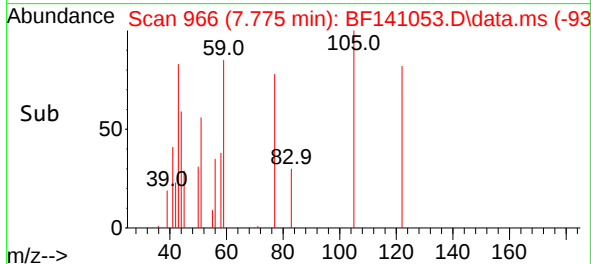
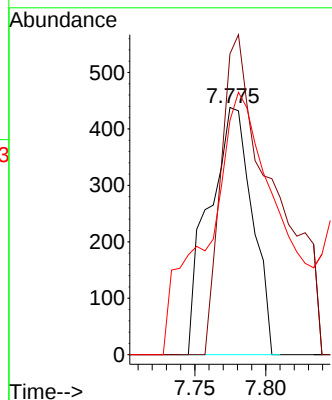
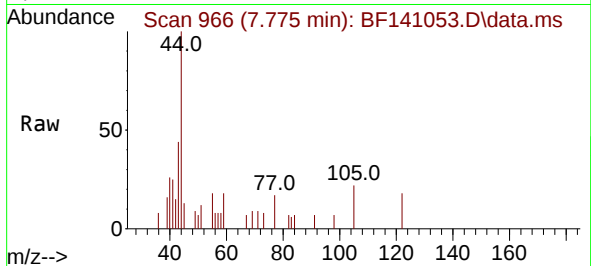




#32
Benzoic acid
Concen: 7.777 ng
RT: 7.775 min Scan# 90
Delta R.T. -0.088 min
Lab File: BF141053.D
Acq: 31 Dec 2024 12:42

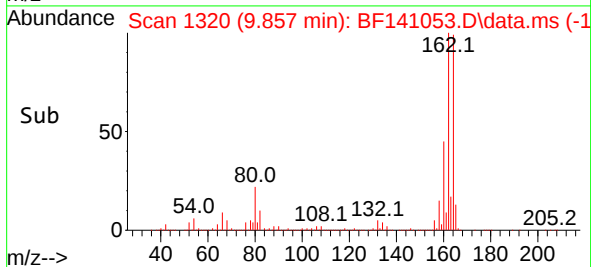
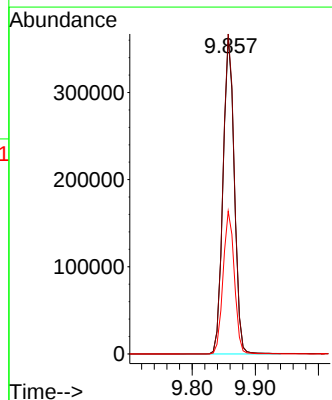
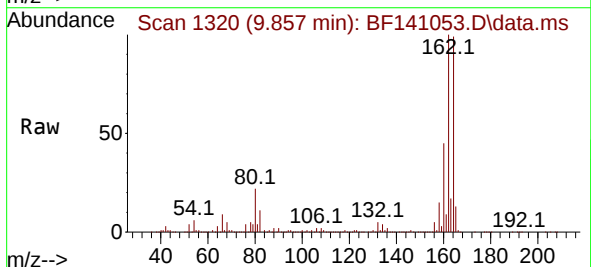
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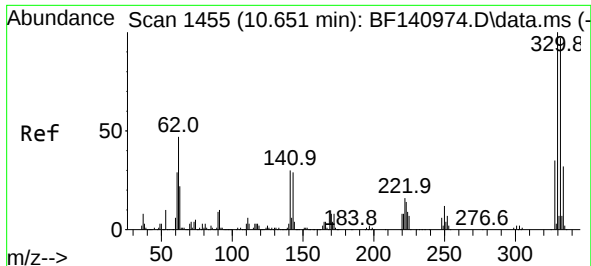
Tgt Ion:122 Resp: 932
Ion Ratio Lower Upper
122 100
105 121.7 105.4 145.4
77 94.7 76.4 116.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141053.D
Acq: 31 Dec 2024 12:42

Tgt Ion:164 Resp: 452308
Ion Ratio Lower Upper
164 100
162 101.2 80.6 120.8
160 45.1 35.7 53.5

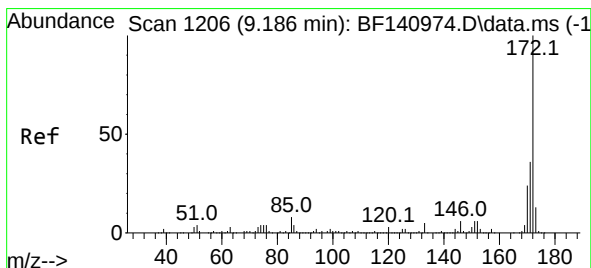
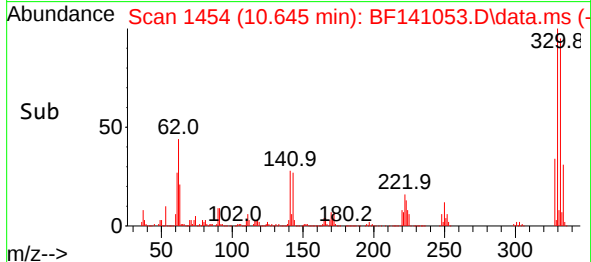
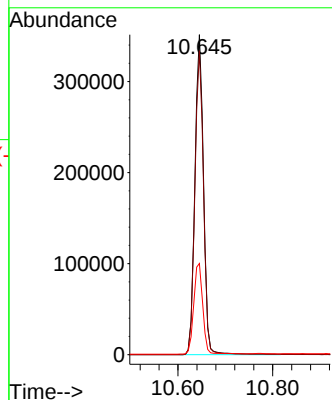
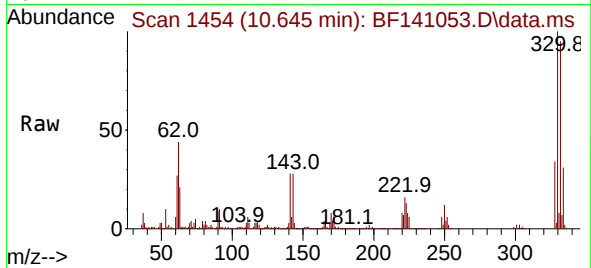




#42
2,4,6-Tribromophenol
Concen: 101.122 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF141053.D
Acq: 31 Dec 2024 12:42

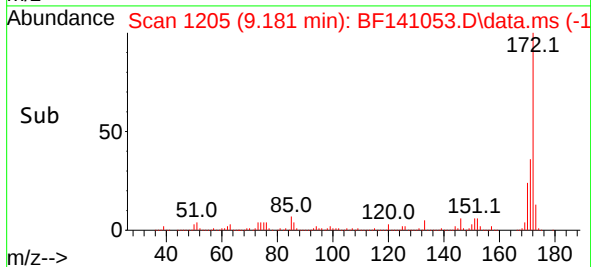
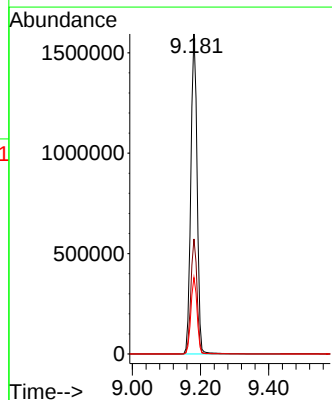
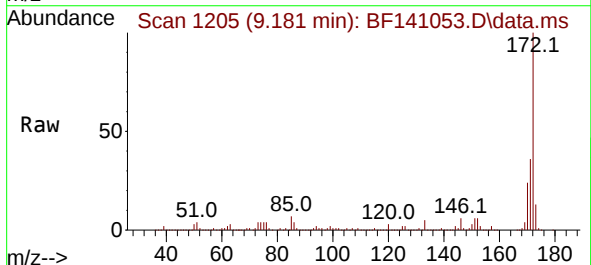
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341-349

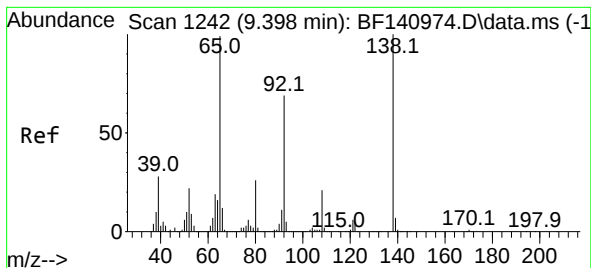
Tgt Ion:330 Resp: 444441
Ion Ratio Lower Upper
330 100
332 95.7 78.0 117.0
141 29.8 26.4 39.6



#45
2-Fluorobiphenyl
Concen: 71.273 ng
RT: 9.181 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF141053.D
Acq: 31 Dec 2024 12:42

Tgt Ion:172 Resp: 2023375
Ion Ratio Lower Upper
172 100
171 36.0 29.0 43.4
170 23.9 19.6 29.4





#48

2-Nitroaniline

Concen: 4.693 ng

RT: 9.398 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141053.D

Acq: 31 Dec 2024 12:42

Instrument :

BNA_F

ClientSampleId :

341-349

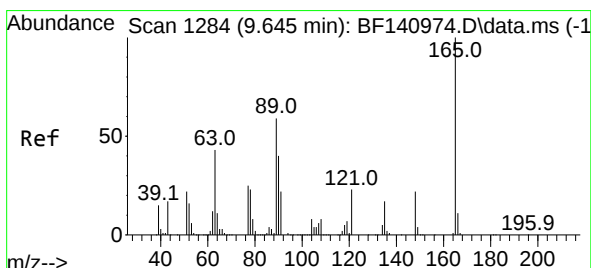
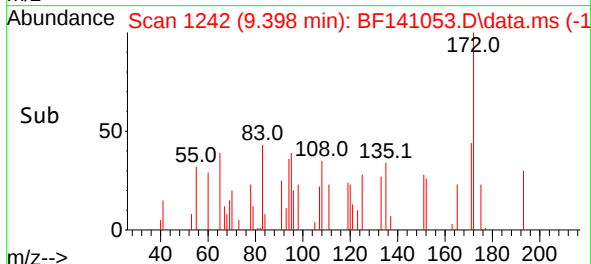
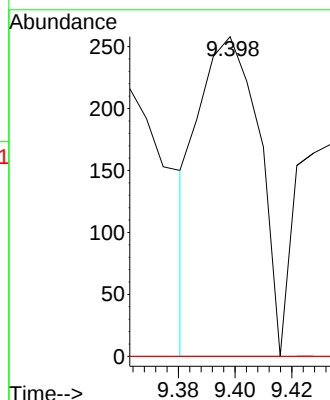
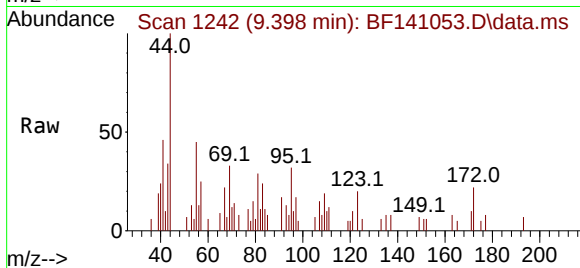
Tgt Ion: 65 Resp: 382

Ion Ratio Lower Upper

65 100

92 0.0 55.6 83.4#

138 0.0 80.5 120.7#



#51

2,6-Dinitrotoluene

Concen: 12.689 ng

RT: 9.857 min Scan# 1320

Delta R.T. 0.212 min

Lab File: BF141053.D

Acq: 31 Dec 2024 12:42

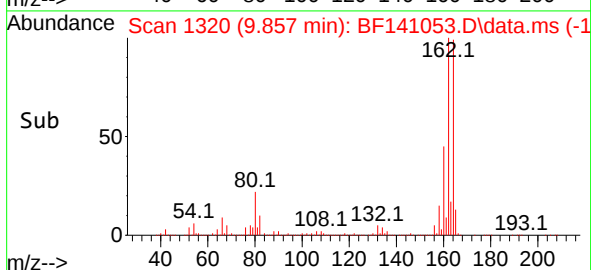
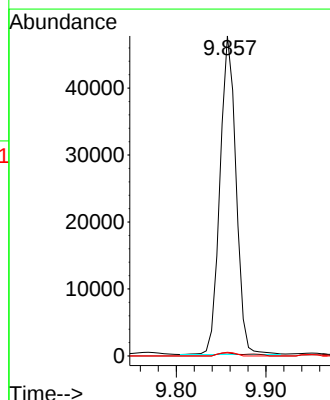
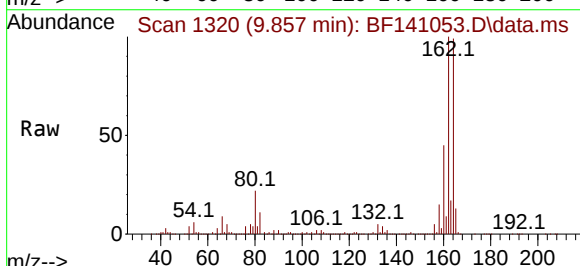
Tgt Ion: 165 Resp: 59329

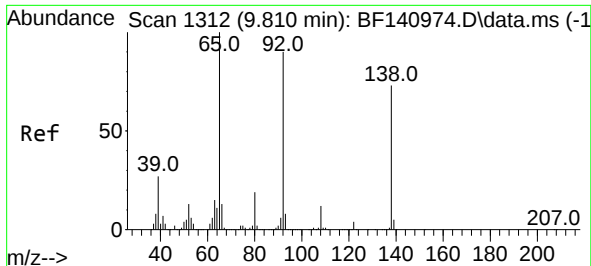
Ion Ratio Lower Upper

165 100

63 1.0 47.1 70.7#

89 1.2 47.0 70.4#

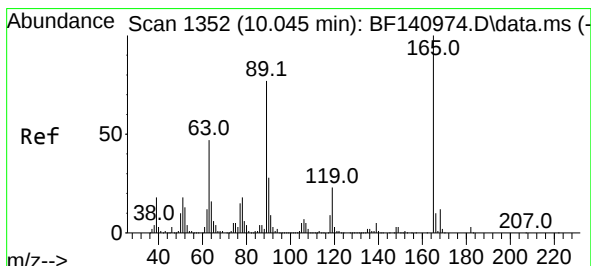
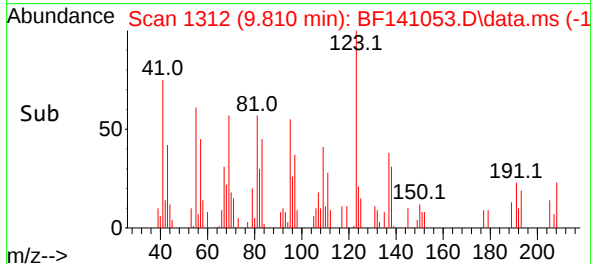
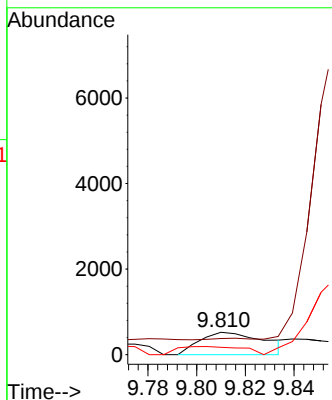
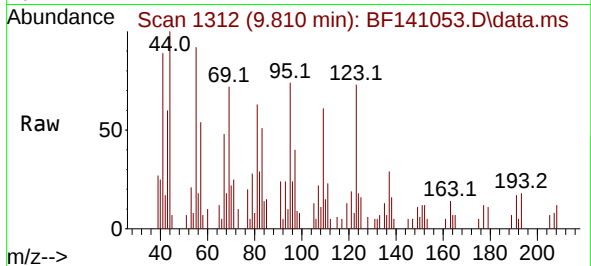




#53
3-Nitroaniline
Concen: 3.402 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141053.D
Acq: 31 Dec 2024 12:42

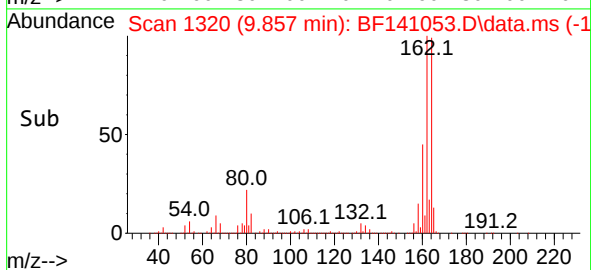
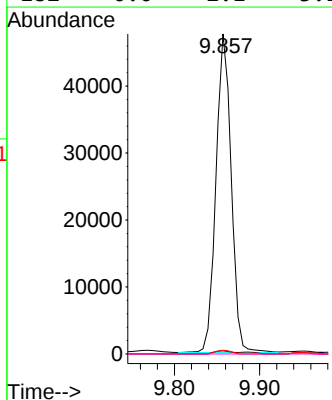
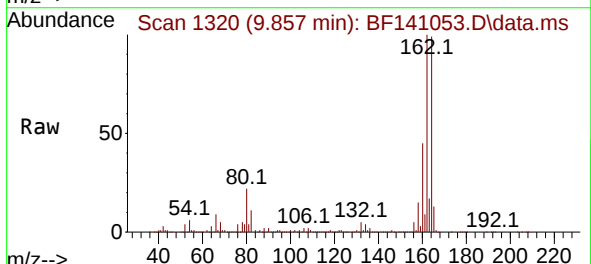
Instrument :
BNA_F
ClientSampleId :
341-349

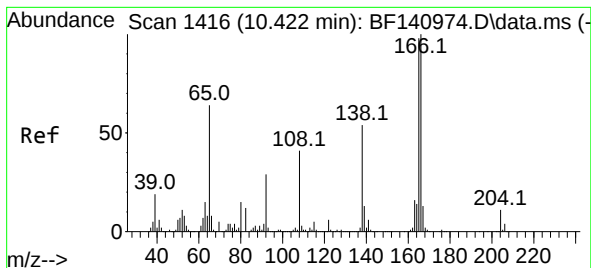
Tgt Ion:138 Resp: 969
Ion Ratio Lower Upper
138 100
108 72.1 13.5 20.3#
92 33.2 97.7 146.5#



#57
2,4-Dinitrotoluene
Concen: 11.745 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.188 min
Lab File: BF141053.D
Acq: 31 Dec 2024 12:42

Tgt Ion:165 Resp: 59358
Ion Ratio Lower Upper
165 100
63 1.0 38.1 57.1#
89 1.2 61.4 92.2#
182 0.0 2.1 3.1#

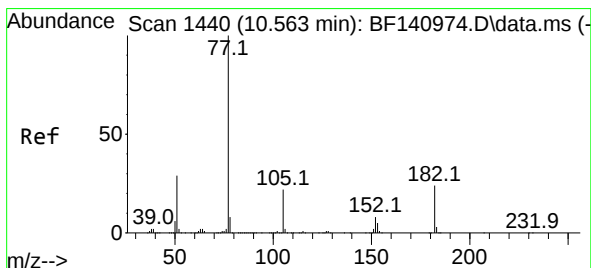
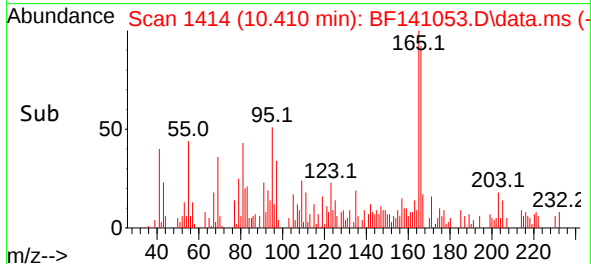
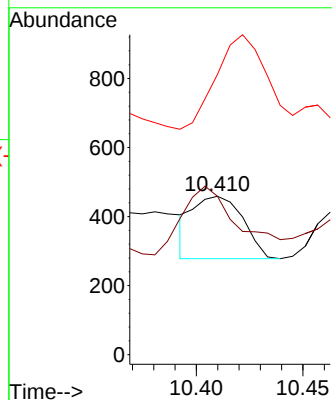
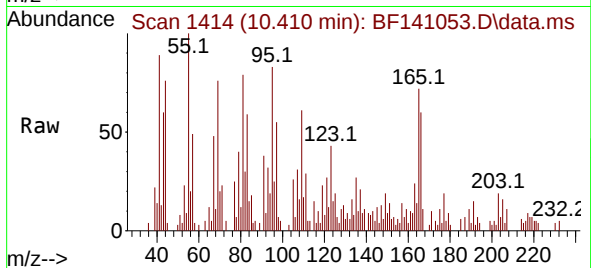




#62
4-Nitroaniline
Concen: 3.388 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF141053.D
Acq: 31 Dec 2024 12:42

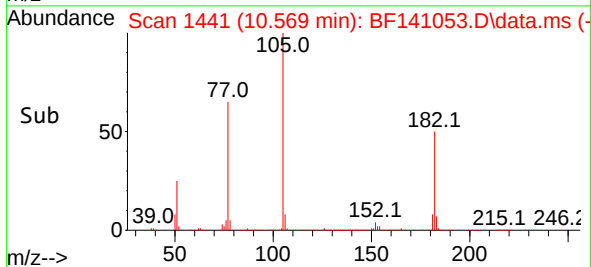
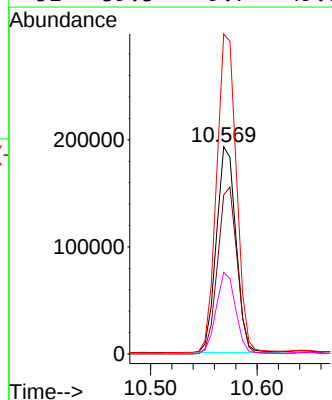
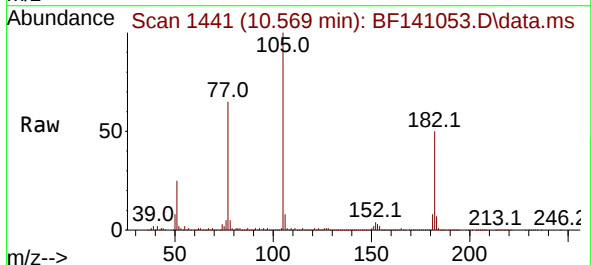
Instrument :
BNA_F
ClientSampleId :
341-349

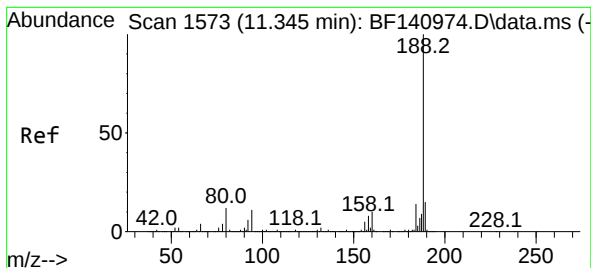
Tgt Ion:138 Resp: 296
Ion Ratio Lower Upper
138 100
92 100.0 34.8 74.8#
108 176.9 55.9 95.9#



#63
Azobenzene
Concen: 7.950 ng
RT: 10.569 min Scan# 1441
Delta R.T. 0.006 min
Lab File: BF141053.D
Acq: 31 Dec 2024 12:42

Tgt Ion: 77 Resp: 245083
Ion Ratio Lower Upper
77 100
182 76.7 4.1 44.1#
105 154.4 1.8 41.8#
51 39.3 9.7 49.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.345 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF141053.D

Acq: 31 Dec 2024 12:42

Instrument :

BNA_F

ClientSampleId :

341-349

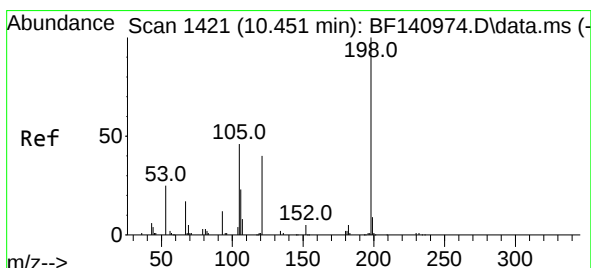
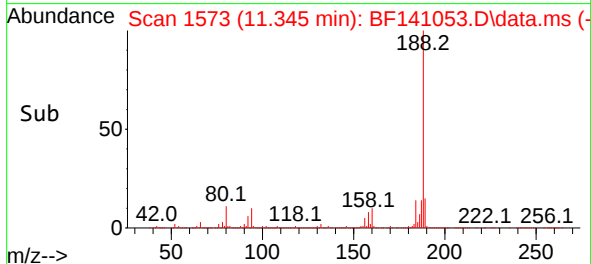
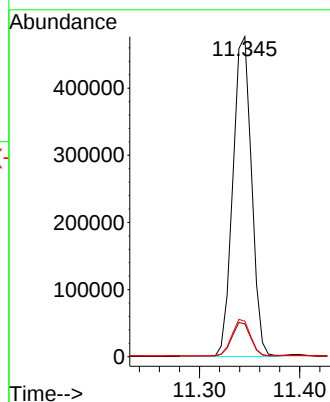
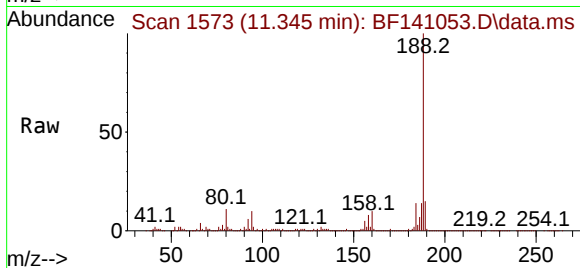
Tgt Ion:188 Resp: 616256

Ion Ratio Lower Upper

188 100

94 10.2 9.0 13.6

80 11.1 9.8 14.6



#65

4,6-Dinitro-2-methylphenol

Concen: 9.736 ng

RT: 10.645 min Scan# 1454

Delta R.T. 0.194 min

Lab File: BF141053.D

Acq: 31 Dec 2024 12:42

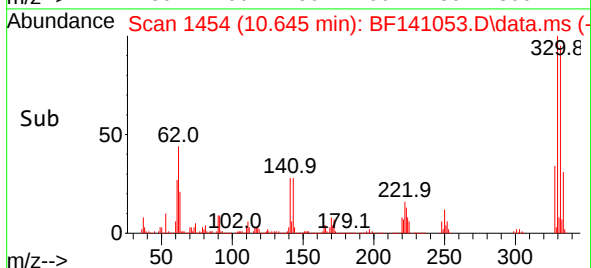
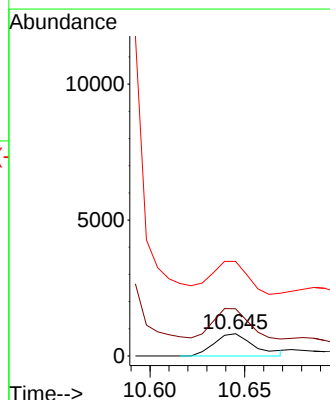
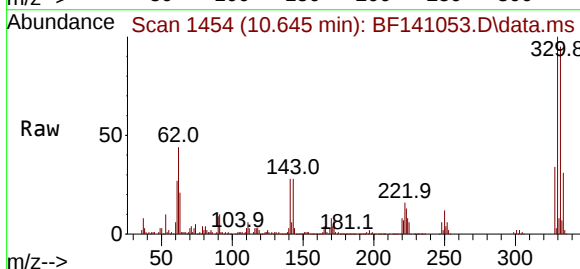
Tgt Ion:198 Resp: 1198

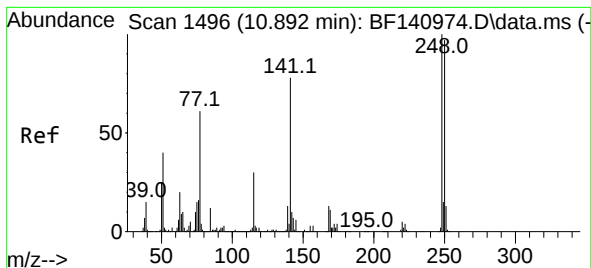
Ion Ratio Lower Upper

198 100

51 213.0 32.3 72.3#

105 426.2 28.4 68.4#

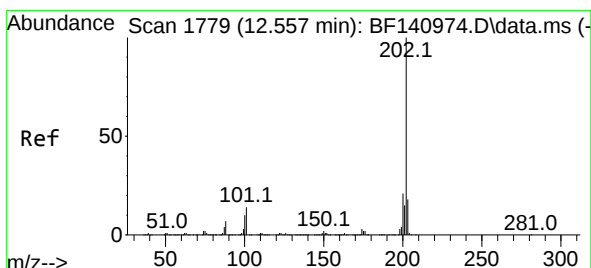
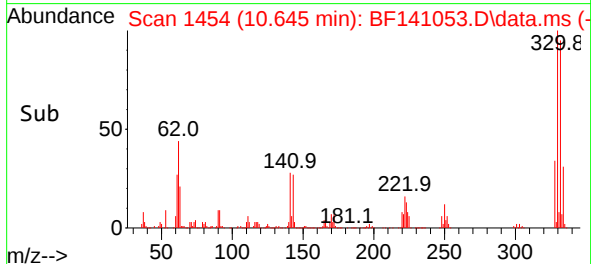
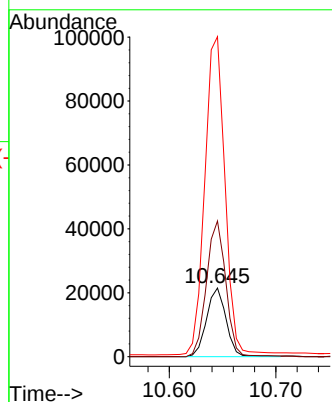
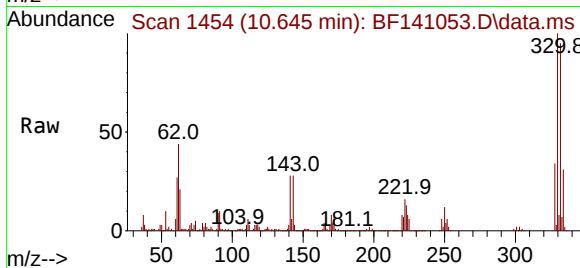




#67
4-Bromophenyl-phenylether
Concen: 4.120 ng
RT: 10.645 min Scan# 1496
Delta R.T. -0.247 min
Lab File: BF141053.D
Acq: 31 Dec 2024 12:42

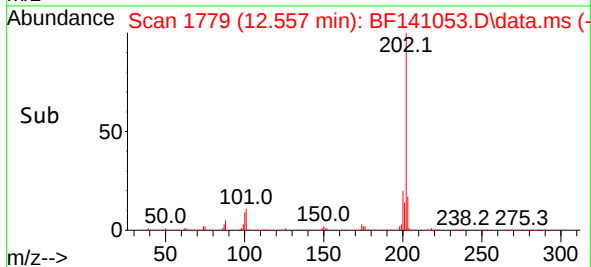
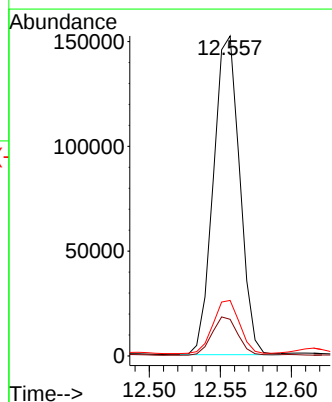
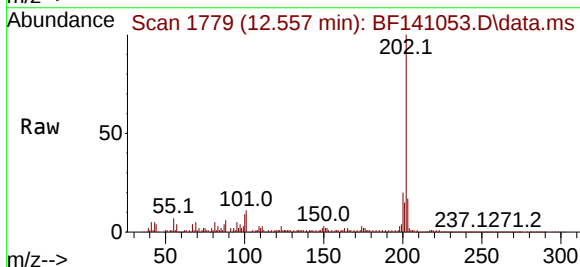
Instrument :
BNA_F
ClientSampleId :
341-349

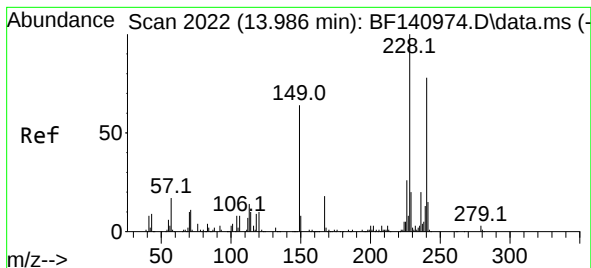
Tgt Ion:248 Resp: 27444
Ion Ratio Lower Upper
248 100
250 198.0 77.7 116.5#
141 466.6 62.1 93.1#



#75
Fluoranthene
Concen: 5.560 ng
RT: 12.557 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BF141053.D
Acq: 31 Dec 2024 12:42

Tgt Ion:202 Resp: 195601
Ion Ratio Lower Upper
202 100
101 11.5 0.0 33.7
203 17.4 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: BF141053.D

Acq: 31 Dec 2024 12:42

Instrument :

BNA_F

ClientSampleId :

341-349

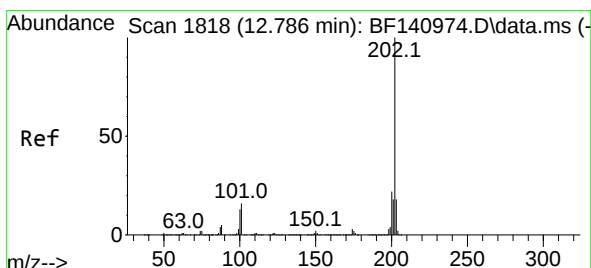
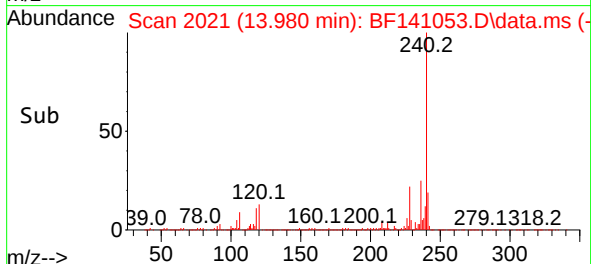
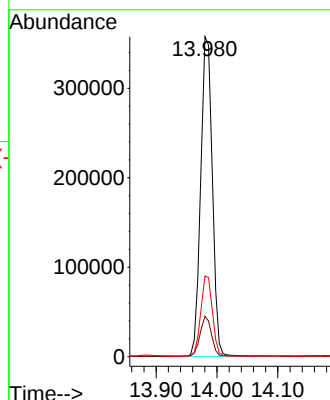
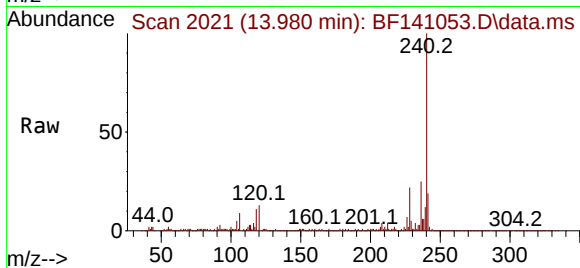
Tgt Ion:240 Resp: 475816

Ion Ratio Lower Upper

240 100

120 12.7 10.7 16.1

236 25.2 20.6 31.0



#78

Pyrene

Concen: 4.949 ng

RT: 12.780 min Scan# 1817

Delta R.T. -0.006 min

Lab File: BF141053.D

Acq: 31 Dec 2024 12:42

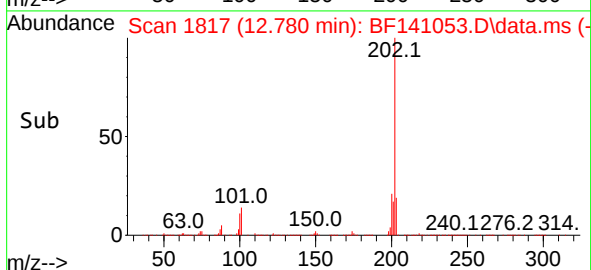
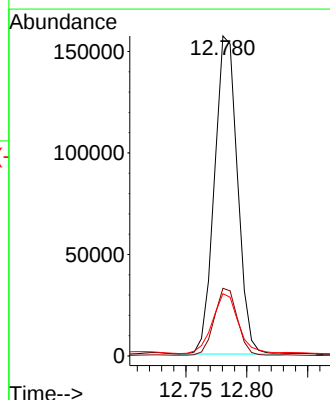
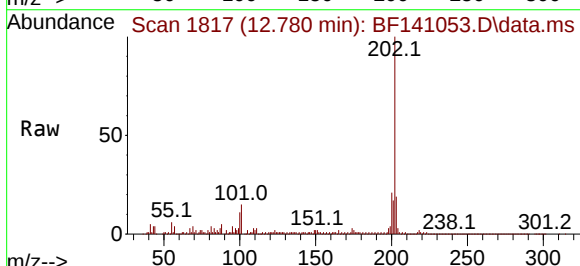
Tgt Ion:202 Resp: 205929

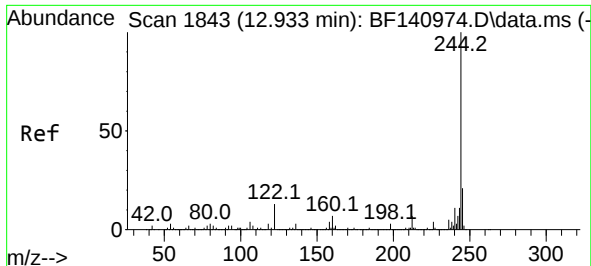
Ion Ratio Lower Upper

202 100

200 21.2 17.3 25.9

203 19.4 14.6 21.8

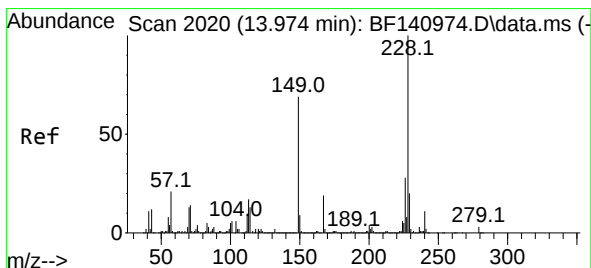
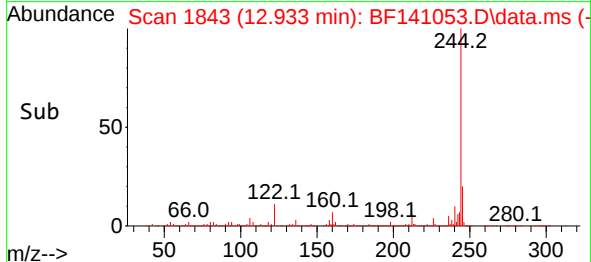
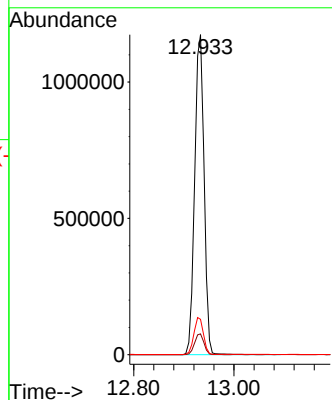
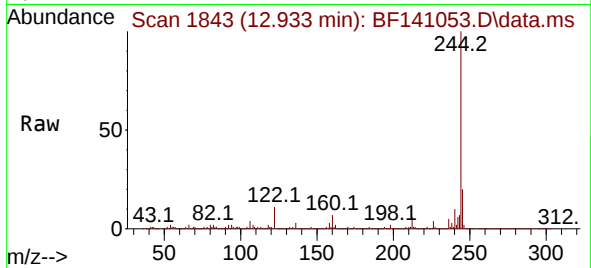




#79
 Terphenyl-d14
 Concen: 53.171 ng
 RT: 12.933 min Scan# 1843
 Delta R.T. 0.000 min
 Lab File: BF141053.D
 Acq: 31 Dec 2024 12:42

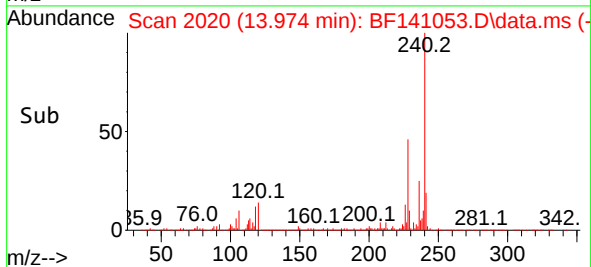
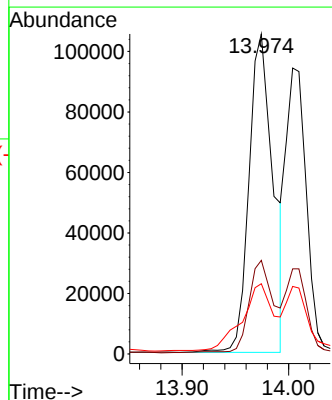
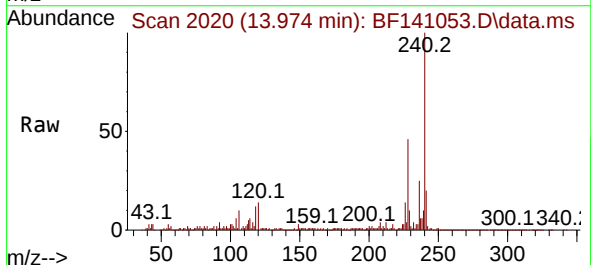
Instrument :
 BNA_F
 ClientSampleId :
 341-349

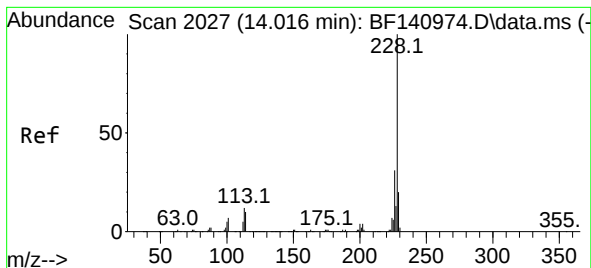
Tgt Ion:244 Resp: 1523154
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.7 8.5
 122 11.0 10.2 15.2



#81
 Benzo(a)anthracene
 Concen: 4.981 ng
 RT: 13.974 min Scan# 2020
 Delta R.T. 0.000 min
 Lab File: BF141053.D
 Acq: 31 Dec 2024 12:42

Tgt Ion:228 Resp: 165175
 Ion Ratio Lower Upper
 228 100
 226 29.2 22.1 33.1
 229 22.0 16.2 24.2





#83

Chrysene

Concen: 4.154 ng

RT: 14.004 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141053.D

Acq: 31 Dec 2024 12:42

Instrument :

BNA_F

ClientSampleId :

341-349

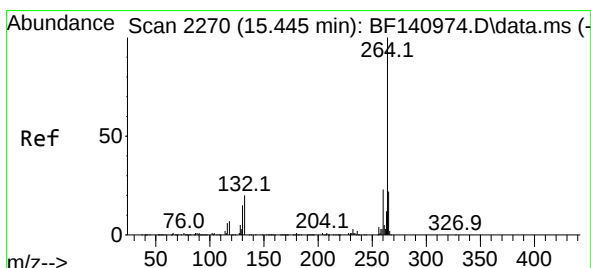
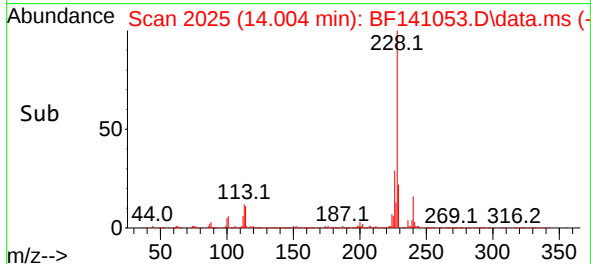
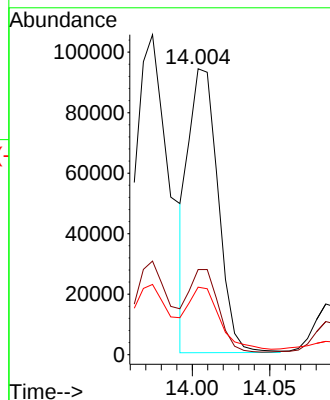
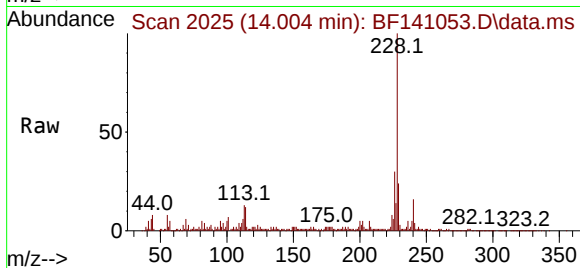
Tgt Ion:228 Resp: 124181

Ion Ratio Lower Upper

228 100

226 29.8 24.5 36.7

229 23.6 16.2 24.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF141053.D

Acq: 31 Dec 2024 12:42

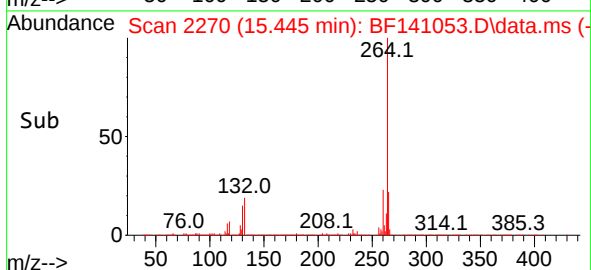
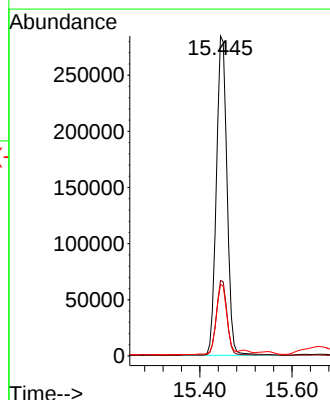
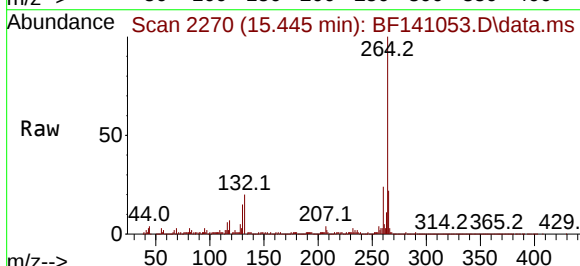
Tgt Ion:264 Resp: 455094

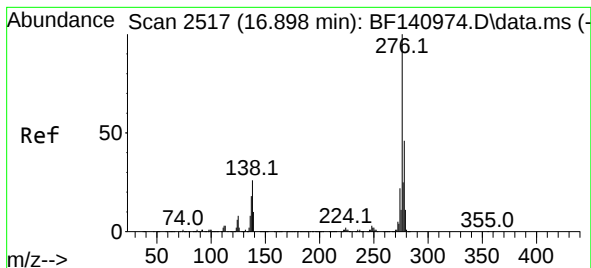
Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

265 22.4 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.276 ng

RT: 16.892 min Scan# 2199

Delta R.T. -0.006 min

Lab File: BF141053.D

Acq: 31 Dec 2024 12:42

Instrument :

BNA_F

ClientSampleId :

341-349

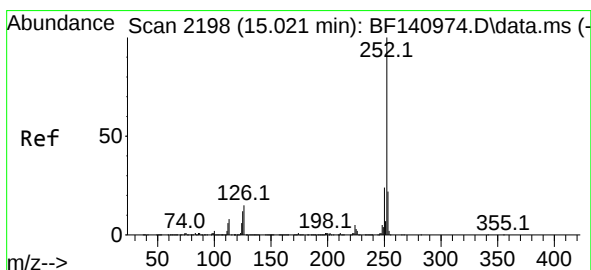
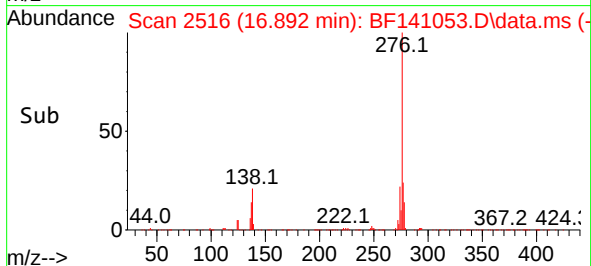
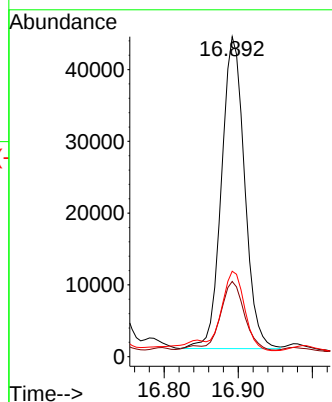
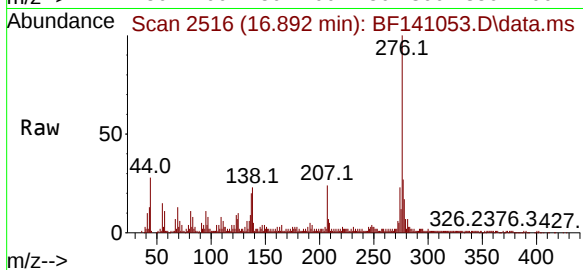
Tgt Ion:276 Resp: 93940

Ion Ratio Lower Upper

276 100

138 23.8 23.1 34.7

277 25.0 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 10.775 ng

RT: 15.027 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF141053.D

Acq: 31 Dec 2024 12:42

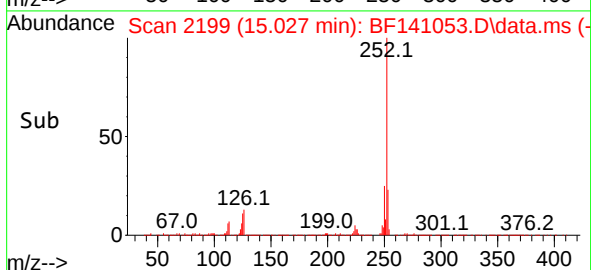
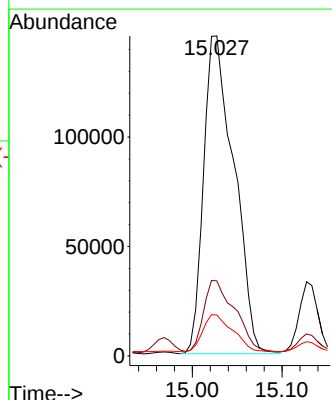
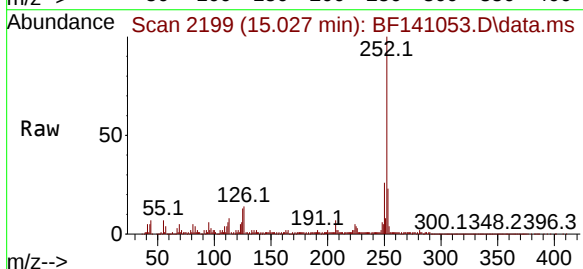
Tgt Ion:252 Resp: 342002

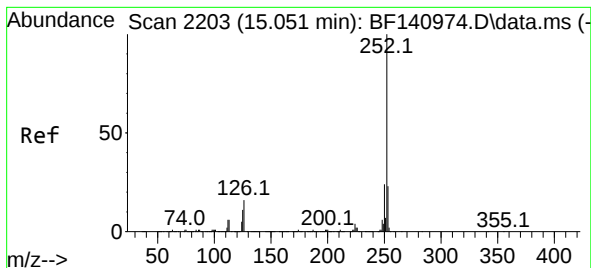
Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

125 12.8 9.3 13.9





#89

Benzo(k)fluoranthene

Concen: 13.748 ng

RT: 15.027 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF141053.D

Acq: 31 Dec 2024 12:42

Instrument :

BNA_F

ClientSampleId :

341-349

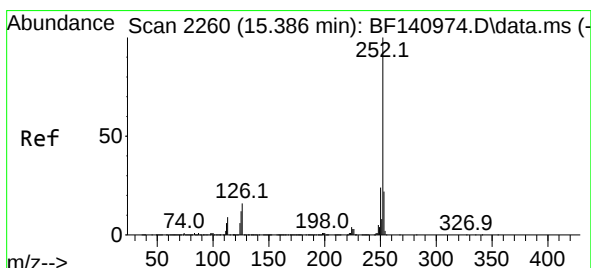
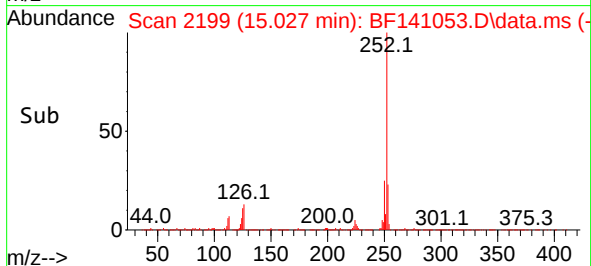
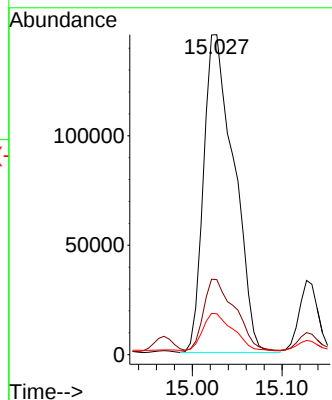
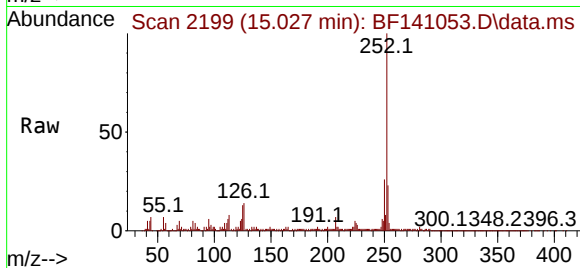
Tgt Ion:252 Resp: 342002

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.8

125 12.8 9.4 14.0



#90

Benzo(a)pyrene

Concen: 7.315 ng

RT: 15.380 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF141053.D

Acq: 31 Dec 2024 12:42

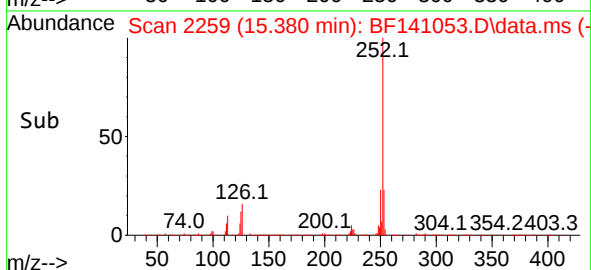
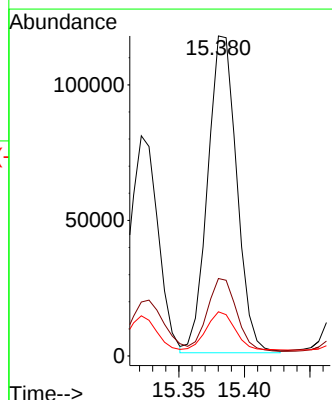
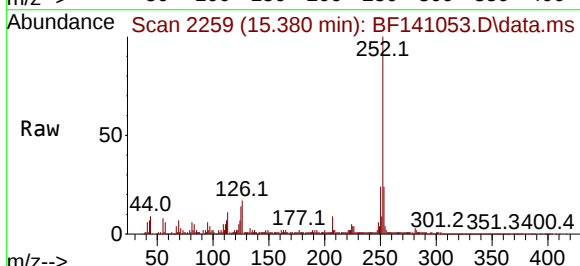
Tgt Ion:252 Resp: 180216

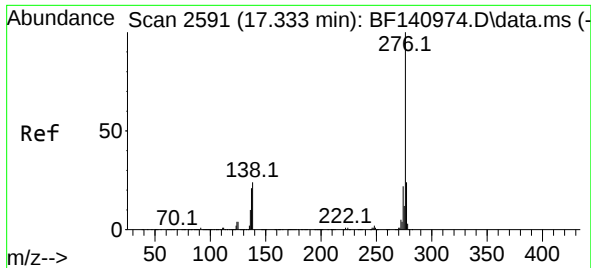
Ion Ratio Lower Upper

252 100

253 24.2 17.2 25.8

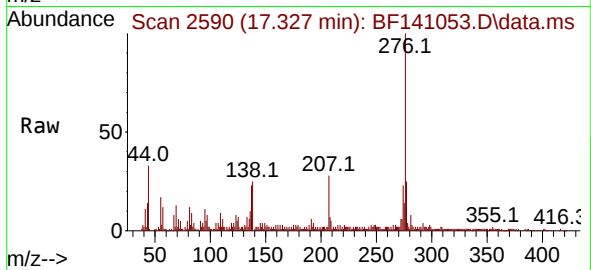
125 13.8 9.8 14.8





#92
 Benzo(g,h,i)perylene
 Concen: 3.517 ng
 RT: 17.327 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF141053.D
 Acq: 31 Dec 2024 12:42

Instrument :
 BNA_F
 ClientSampleId :
 341-349



Tgt Ion:	276	Resp:	84783
Ion Ratio	Lower	Upper	
276	100		
277	25.0	19.0	28.4
138	25.3	19.4	29.2

