

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
 Data File : BF141013.D
 Acq On : 27 Dec 2024 22:36
 Operator : RC/JU
 Sample : P5383-01RE
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-12232024

Quant Time: Dec 27 23:22:43 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)

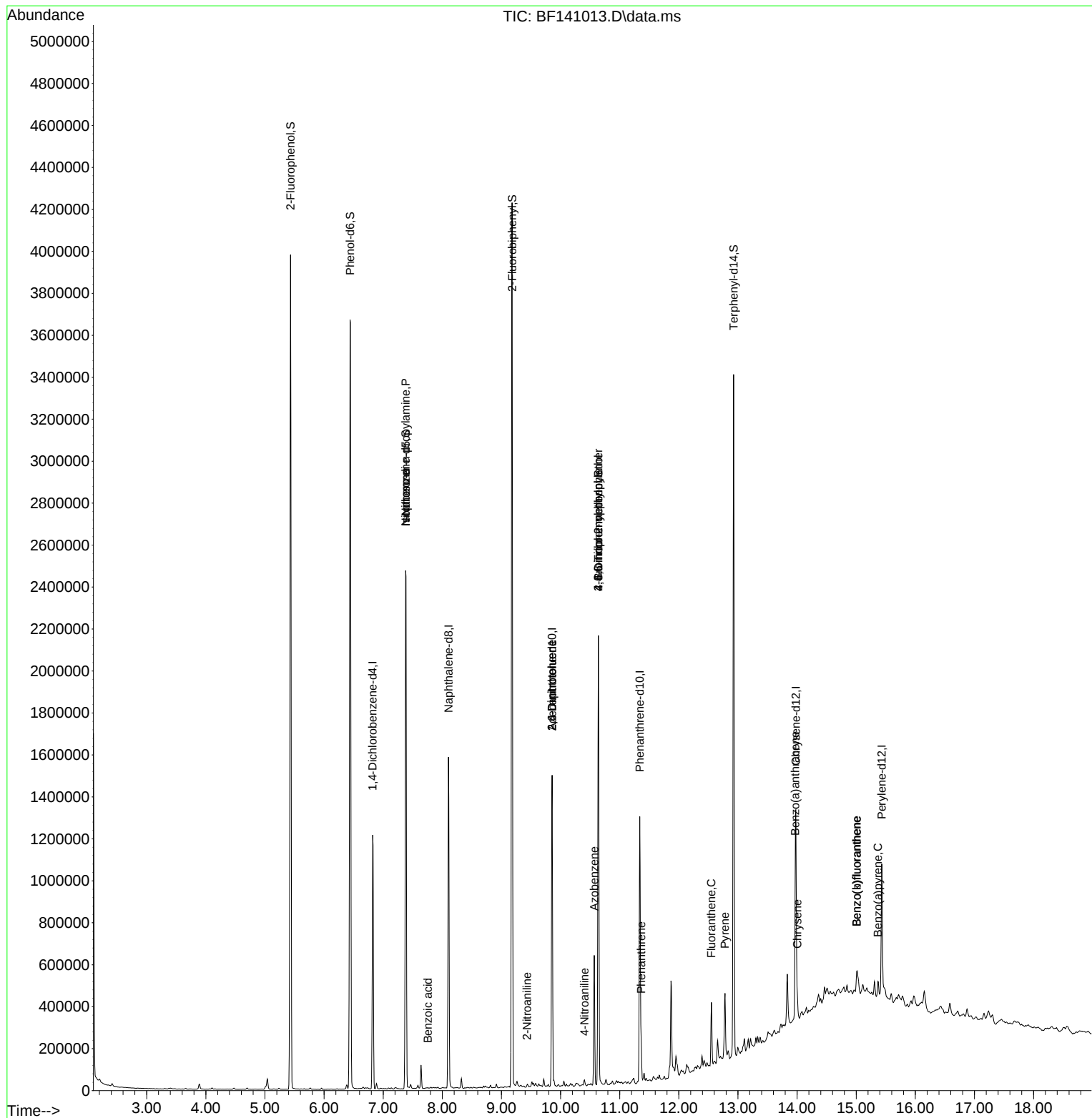
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	255269	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	958451	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	430506	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	611838	20.000	ng	0.00
76) Chrysene-d12	13.980	240	451431	20.000	ng	0.00
86) Perylene-d12	15.433	264	351430	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1505838	88.921	ng	0.00
7) Phenol-d6	6.439	99	1865395	85.508	ng	-0.01
23) Nitrobenzene-d5	7.381	82	1134789	75.749	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	353527	84.510	ng	-0.01
45) 2-Fluorobiphenyl	9.180	172	1832788	67.829	ng	0.00
79) Terphenyl-d14	12.927	244	1536334	56.528	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.369	77	267	Below Cal		89
19) n-Nitroso-di-n-propyla...	7.381	70	150425	11.255 ng	#	79
25) Isophorone	7.381	82	1126680	34.561 ng	#	65
32) Benzoic acid	7.757	122	54	7.697 ng	#	23
48) 2-Nitroaniline	9.433	65	201	4.671 ng	#	6
51) 2,6-Dinitrotoluene	9.857	165	56395	12.677 ng	#	23
57) 2,4-Dinitrotoluene	9.857	165	56395	11.732 ng	#	21
62) 4-Nitroaniline	10.404	138	206	3.377 ng	#	17
63) Azobenzene	10.569	77	150128	5.116 ng	#	1
65) 4,6-Dinitro-2-methylph...	10.639	198	802	9.608 ng	#	1
67) 4-Bromophenyl-phenylether	10.639	248	21767	3.291 ng	#	1
71) Phenanthrene	11.363	178	99814	3.100 ng		98
75) Fluoranthene	12.551	202	162118	4.642 ng		99
78) Pyrene	12.780	202	176159	4.462 ng		99
81) Benzo(a)anthracene	13.968	228	76246	2.423 ng	#	89
83) Chrysene	14.004	228	63749	2.248 ng	#	95
88) Benzo(b)fluoranthene	15.009	252	91220	3.722 ng	#	85
89) Benzo(k)fluoranthene	15.009	252	91220	4.749 ng	#	85
90) Benzo(a)pyrene	15.368	252	50811	2.671 ng	#	88

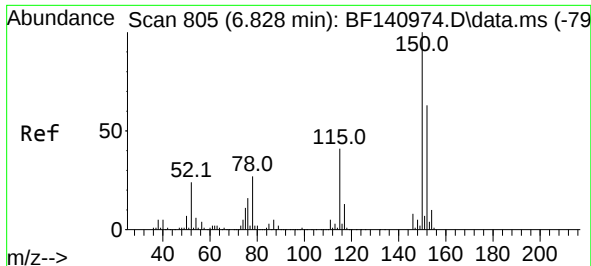
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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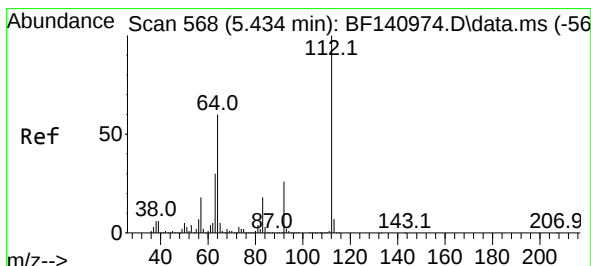
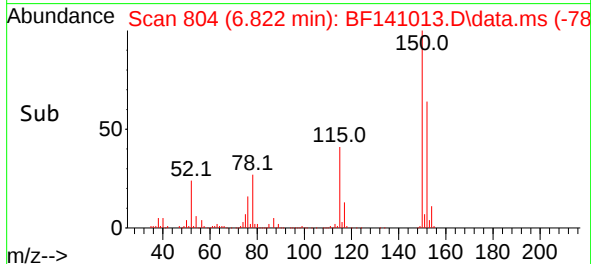
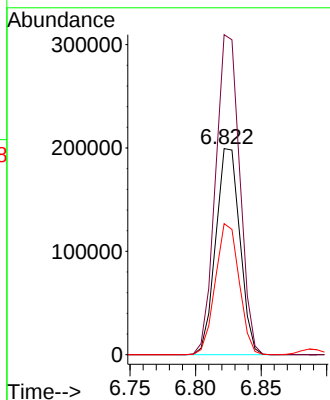
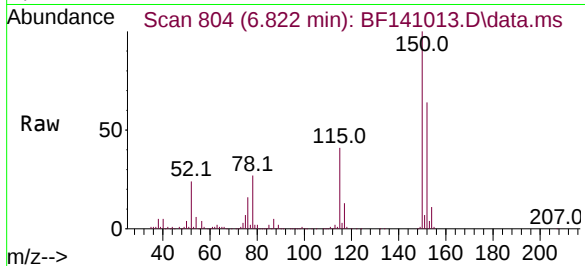




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36

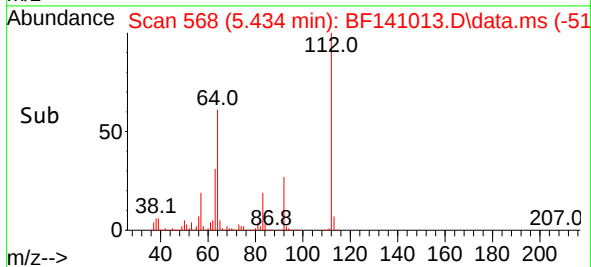
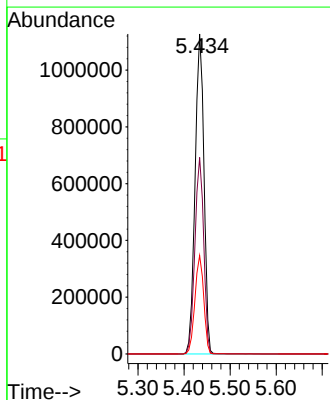
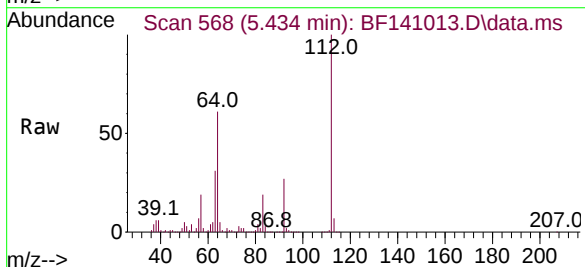
Instrument :
BNA_F
ClientSampleId :
OK-02-12232024

Tgt Ion:152 Resp: 255269
Ion Ratio Lower Upper
152 100
150 155.3 127.0 190.6
115 63.6 51.7 77.5



#5
2-Fluorophenol
Concen: 88.921 ng
RT: 5.434 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36

Tgt Ion:112 Resp: 1505838
Ion Ratio Lower Upper
112 100
64 61.4 47.7 71.5
63 30.7 24.2 36.2

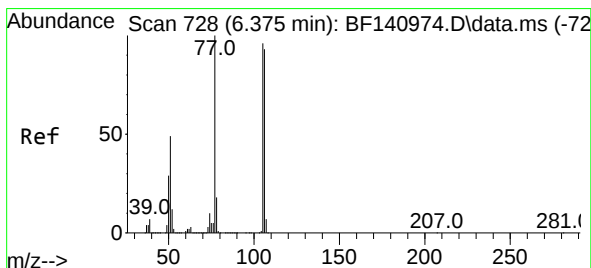
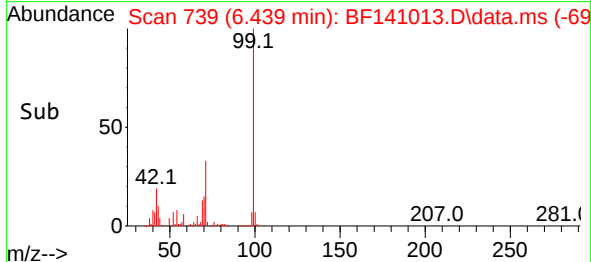
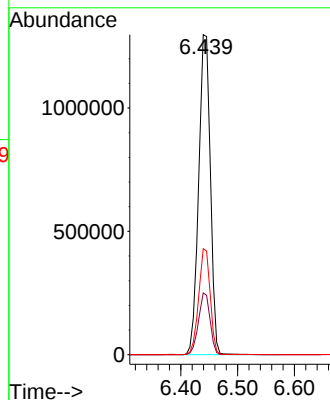
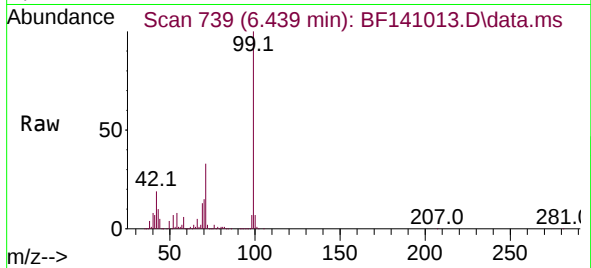




#7
Phenol-d6
Concen: 85.508 ng
RT: 6.439 min Scan# 713
Delta R.T. -0.012 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36

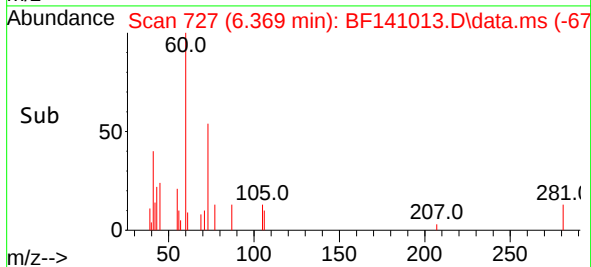
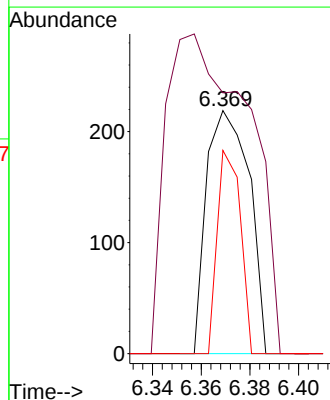
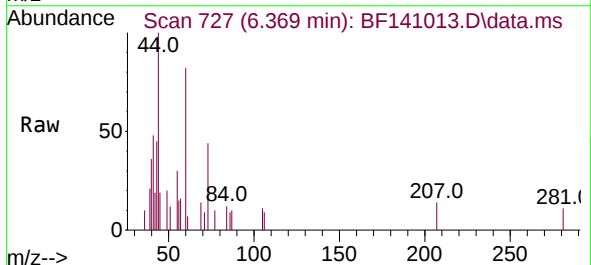
Instrument :
BNA_F
ClientSampleId :
OK-02-12232024

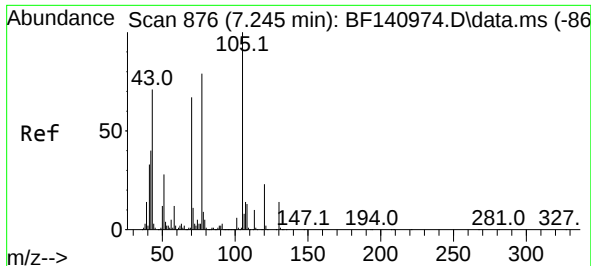
Tgt Ion: 99 Resp: 1865395
Ion Ratio Lower Upper
99 100
42 19.3 15.0 22.4
71 33.1 26.2 39.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.369 min Scan# 727
Delta R.T. -0.006 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36

Tgt Ion: 77 Resp: 267
Ion Ratio Lower Upper
77 100
105 107.3 76.2 116.2
106 83.6 73.4 113.4

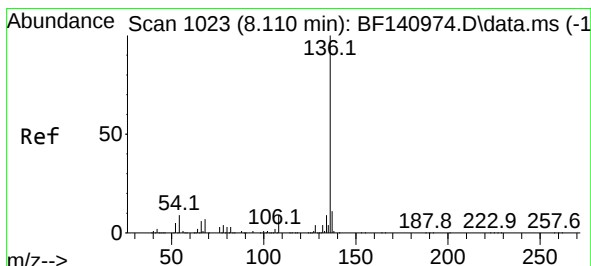
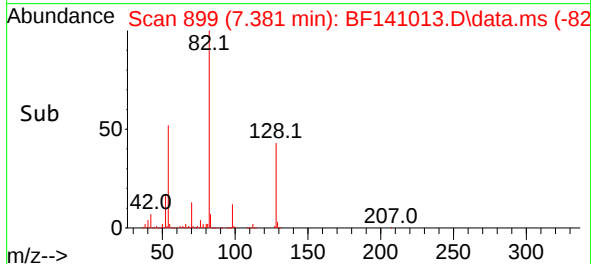
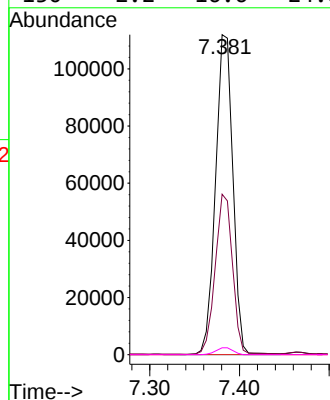
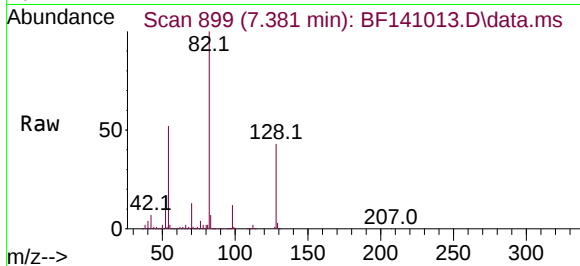




#19
n-Nitroso-di-n-propylamine
Concen: 11.255 ng
RT: 7.381 min Scan# 899
Delta R.T. 0.135 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36

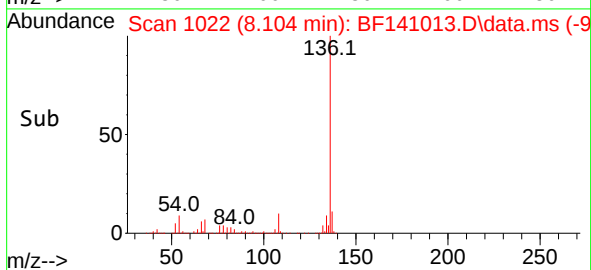
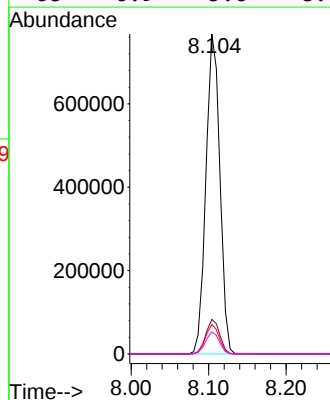
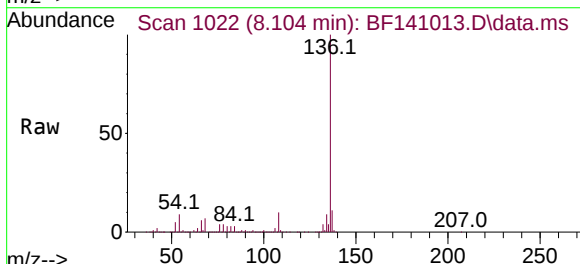
Instrument :
BNA_F
ClientSampleId :
OK-02-12232024

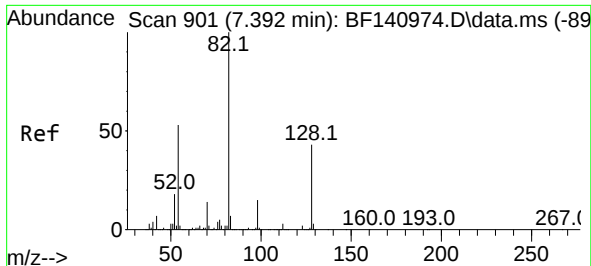
Tgt Ion: 70 Resp: 150425
Ion Ratio Lower Upper
70 100
42 50.1 48.1 72.1
101 0.0 7.6 11.4#
130 2.2 16.6 24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36

Tgt Ion: 136 Resp: 958451
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 9.2 7.6 11.4
68 6.9 5.6 8.4





#23

Nitrobenzene-d5

Concen: 75.749 ng

RT: 7.381 min Scan# 899

Delta R.T. -0.012 min

Lab File: BF141013.D

Acq: 27 Dec 2024 22:36

Instrument :

BNA_F

ClientSampleId :

OK-02-12232024

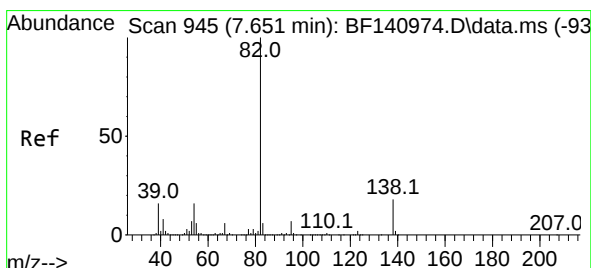
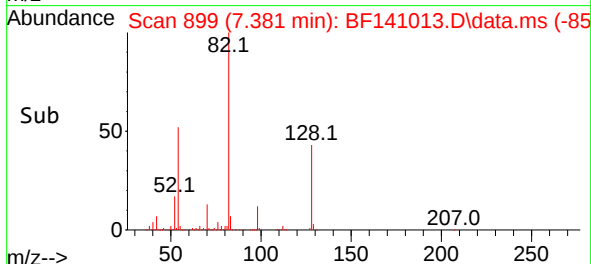
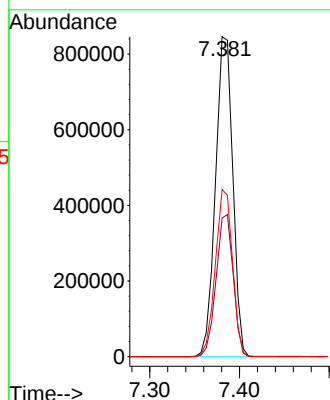
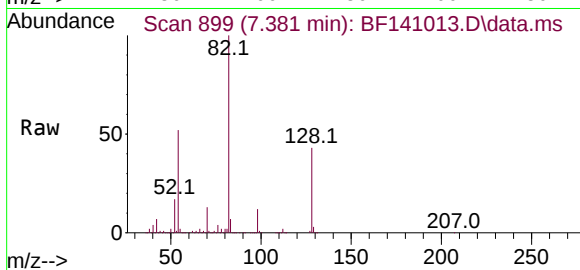
Tgt Ion: 82 Resp: 1134789

Ion Ratio Lower Upper

82 100

128 43.3 34.4 51.6

54 52.2 42.4 63.6



#25

Isophorone

Concen: 34.561 ng

RT: 7.381 min Scan# 899

Delta R.T. -0.271 min

Lab File: BF141013.D

Acq: 27 Dec 2024 22:36

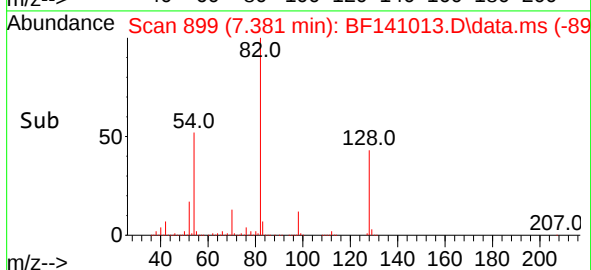
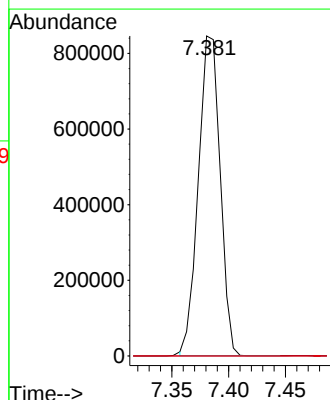
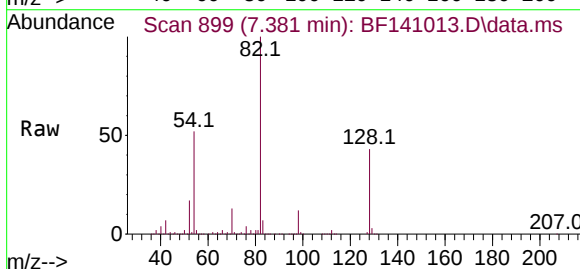
Tgt Ion: 82 Resp: 1126680

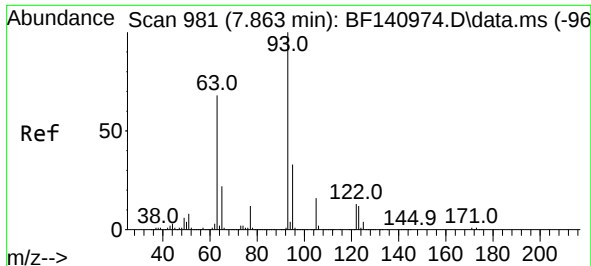
Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.6 21.8#

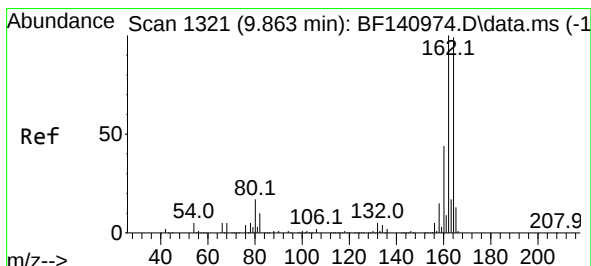
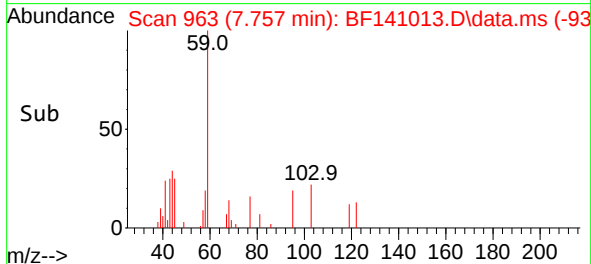
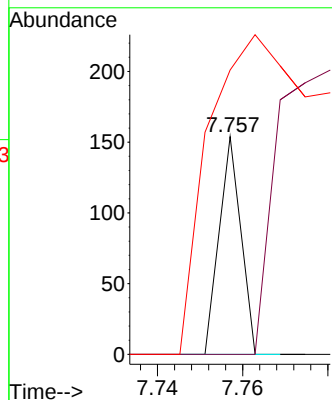
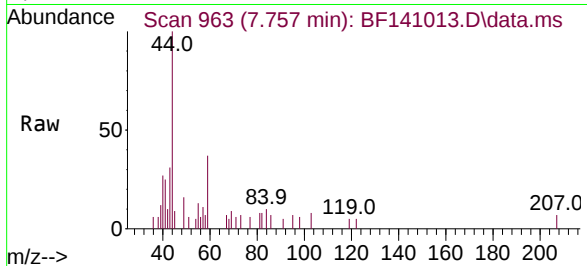




#32
Benzoic acid
Concen: 7.697 ng
RT: 7.757 min Scan# 90
Delta R.T. -0.106 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36

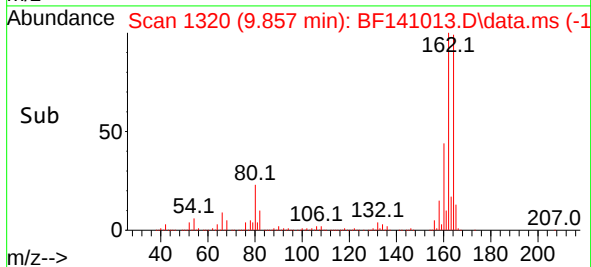
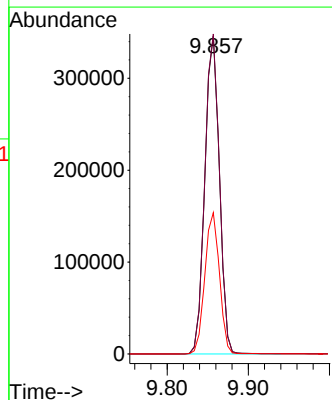
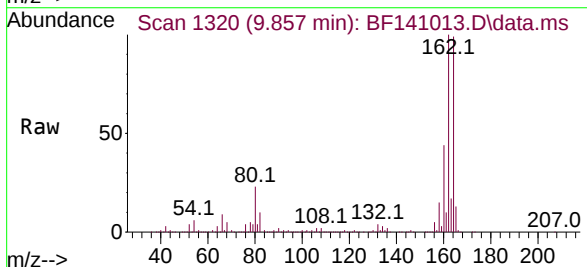
Instrument :
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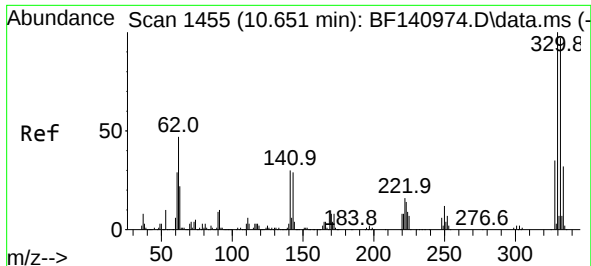
Tgt Ion:122 Resp: 54
Ion Ratio Lower Upper
122 100
105 0.0 105.4 145.4#
77 130.5 76.4 116.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36

Tgt Ion:164 Resp: 430506
Ion Ratio Lower Upper
164 100
162 100.6 80.6 120.8
160 44.5 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 84.510 ng

RT: 10.639 min Scan# 1453

Delta R.T. -0.012 min

Lab File: BF141013.D

Acq: 27 Dec 2024 22:36

Instrument :

BNA_F

ClientSampleId :

OK-02-12232024

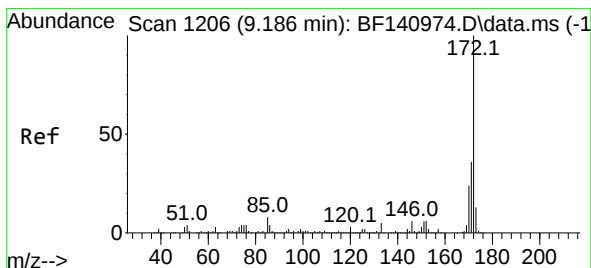
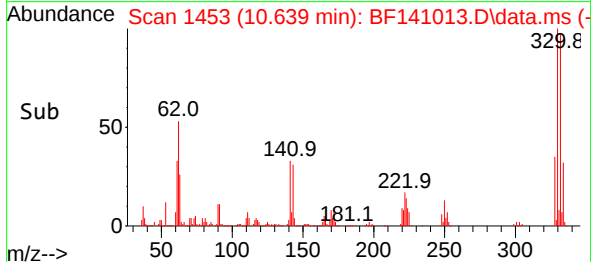
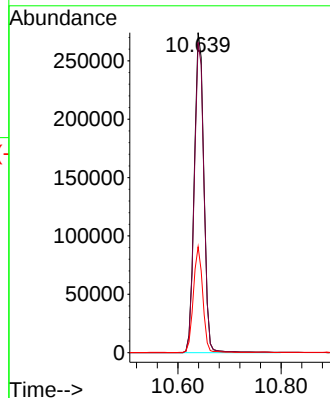
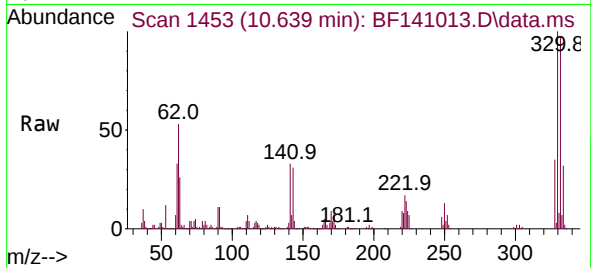
Tgt Ion:330 Resp: 353527

Ion Ratio Lower Upper

330 100

332 96.9 78.0 117.0

141 32.2 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 67.829 ng

RT: 9.180 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF141013.D

Acq: 27 Dec 2024 22:36

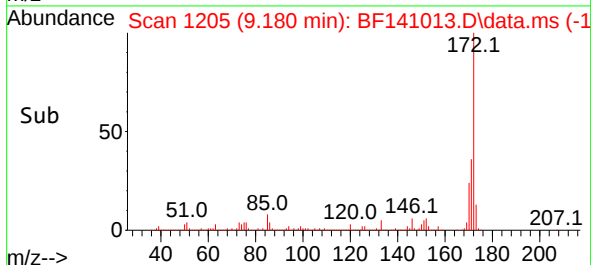
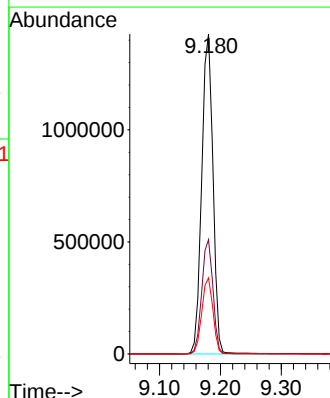
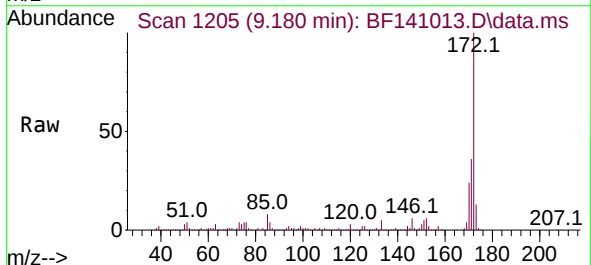
Tgt Ion:172 Resp: 1832788

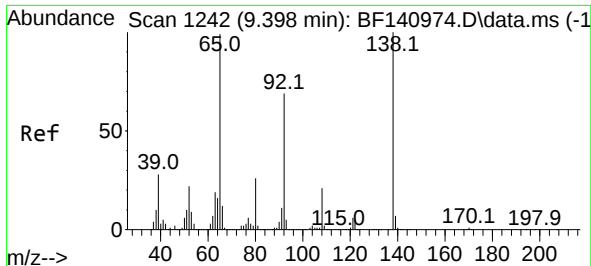
Ion Ratio Lower Upper

172 100

171 35.7 29.0 43.4

170 23.8 19.6 29.4

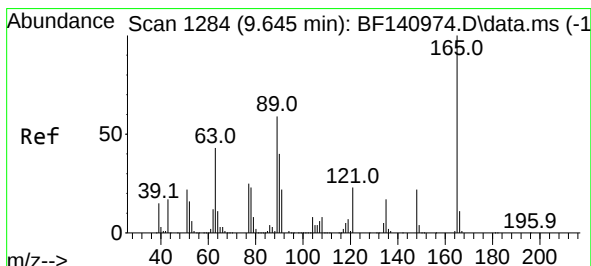
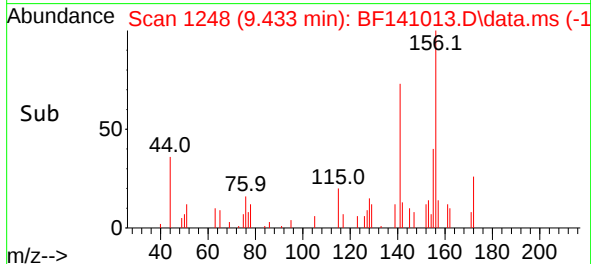
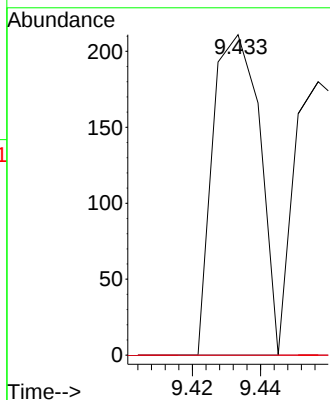
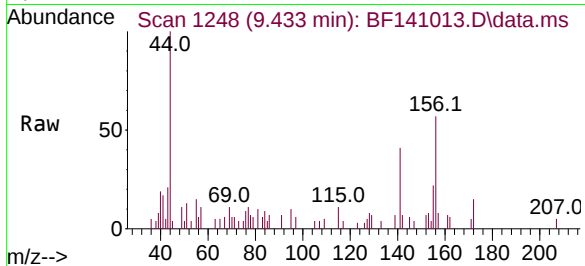




#48
2-Nitroaniline
Concen: 4.671 ng
RT: 9.433 min Scan# 11
Delta R.T. 0.035 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36

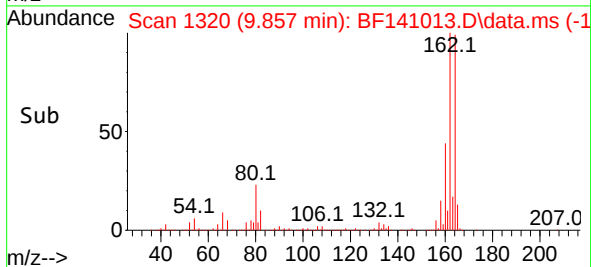
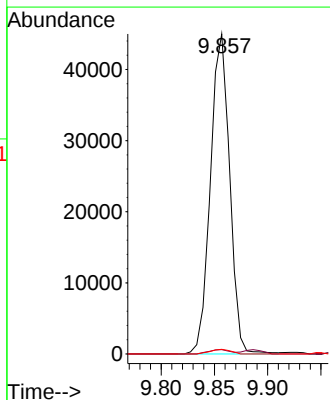
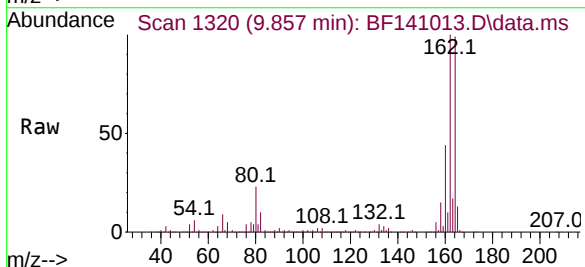
Instrument :
BNA_F
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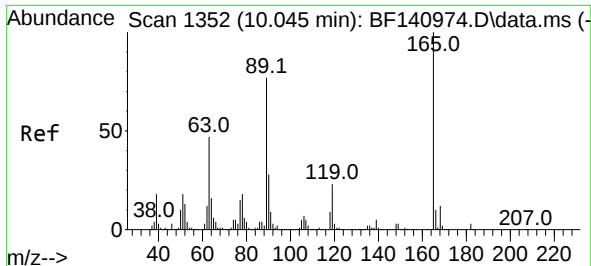
Tgt Ion: 65 Resp: 201
Ion Ratio Lower Upper
65 100
92 0.0 55.6 83.4#
138 0.0 80.5 120.7#



#51
2,6-Dinitrotoluene
Concen: 12.677 ng
RT: 9.857 min Scan# 1320
Delta R.T. 0.212 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36

Tgt Ion: 165 Resp: 56395
Ion Ratio Lower Upper
165 100
63 1.3 47.1 70.7#
89 1.5 47.0 70.4#

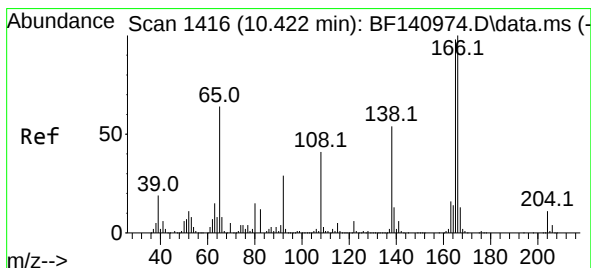
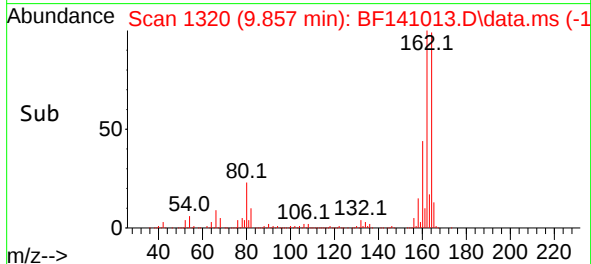
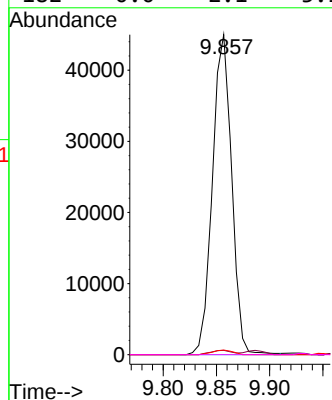
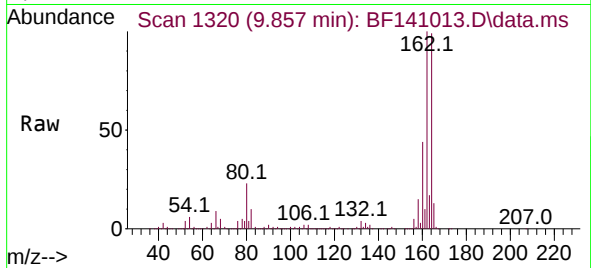




#57
2,4-Dinitrotoluene
Concen: 11.732 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36

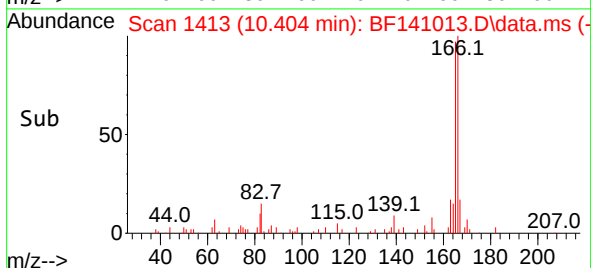
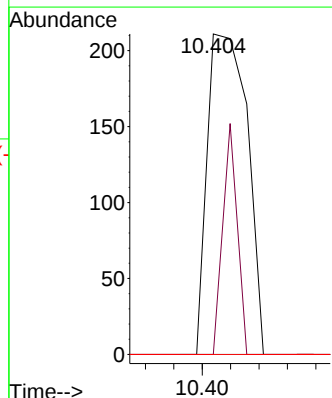
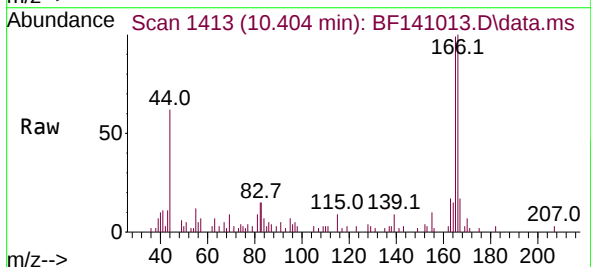
Instrument :
BNA_F
ClientSampleId :
OK-02-12232024

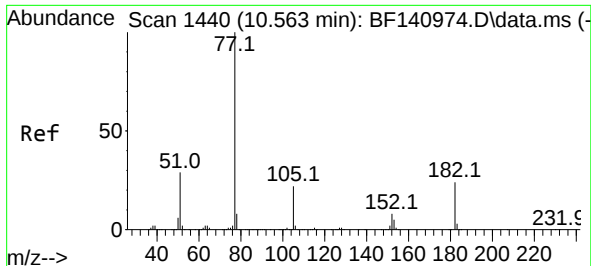
Tgt Ion:165 Resp: 56395
Ion Ratio Lower Upper
165 100
63 1.3 38.1 57.1#
89 1.5 61.4 92.2#
182 0.0 2.1 3.1#



#62
4-Nitroaniline
Concen: 3.377 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.018 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36

Tgt Ion:138 Resp: 206
Ion Ratio Lower Upper
138 100
92 0.0 34.8 74.8#
108 0.0 55.9 95.9#

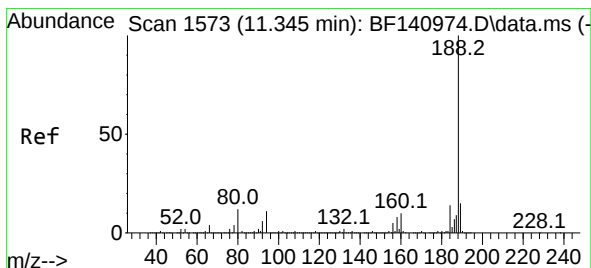
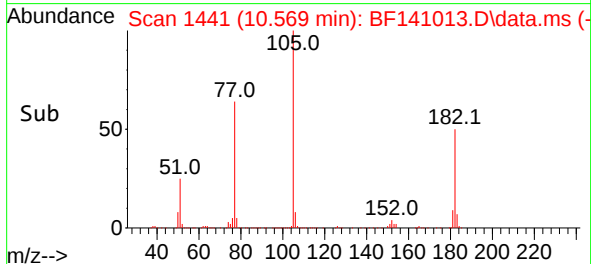
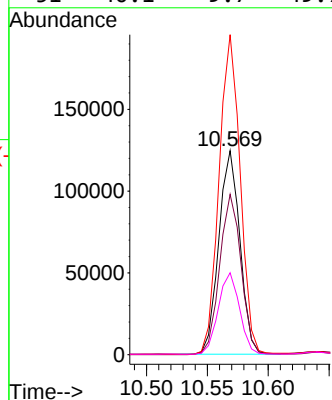
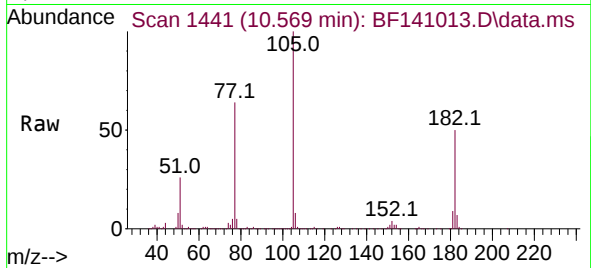




#63
Azobenzene
Concen: 5.116 ng
RT: 10.569 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36

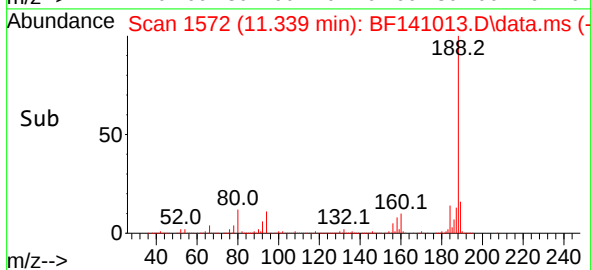
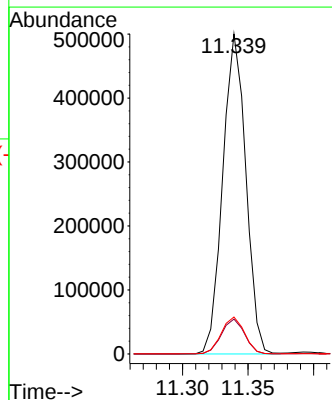
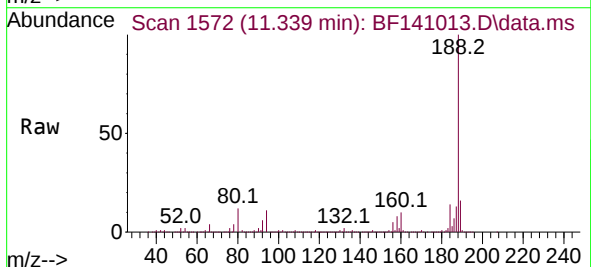
Instrument :
BNA_F
ClientSampleId :
OK-02-12232024

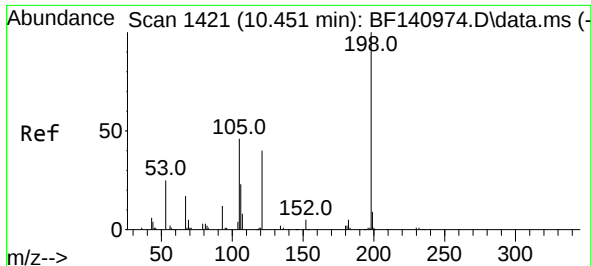
Tgt Ion: 77 Resp: 150128
Ion Ratio Lower Upper
77 100
182 78.6 4.1 44.1#
105 156.9 1.8 41.8#
51 40.1 9.7 49.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36

Tgt Ion:188 Resp: 611838
Ion Ratio Lower Upper
188 100
94 10.9 9.0 13.6
80 11.6 9.8 14.6

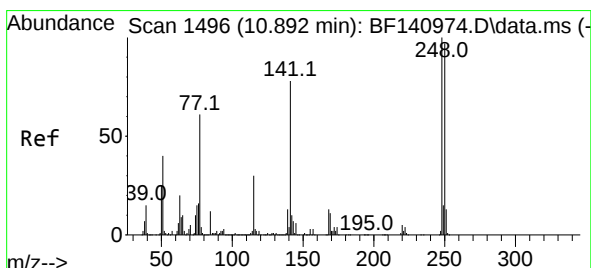
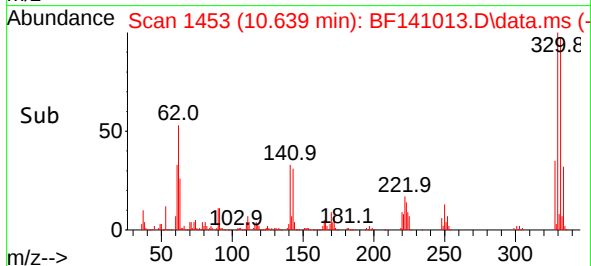
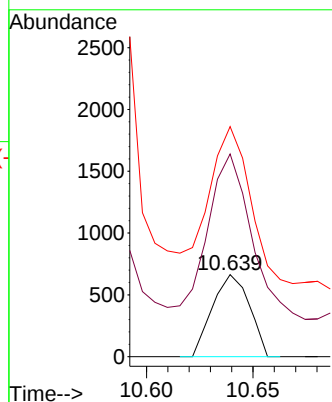
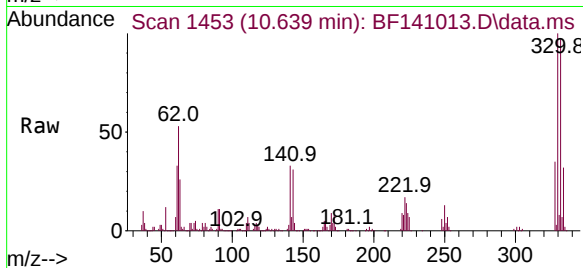




#65
4,6-Dinitro-2-methylphenol
Concen: 9.608 ng
RT: 10.639 min Scan# 1421
Delta R.T. 0.188 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36

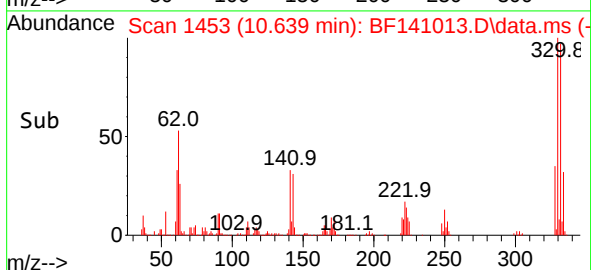
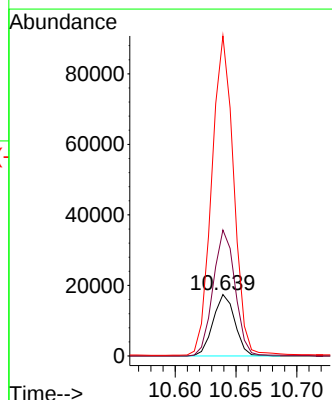
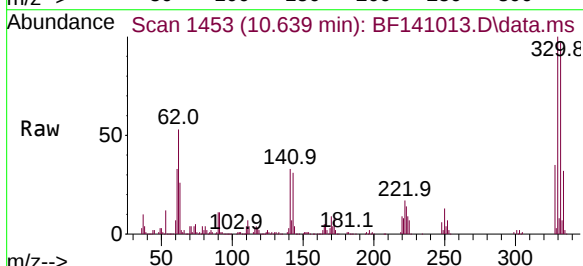
Instrument :
BNA_F
ClientSampleId :
OK-02-12232024

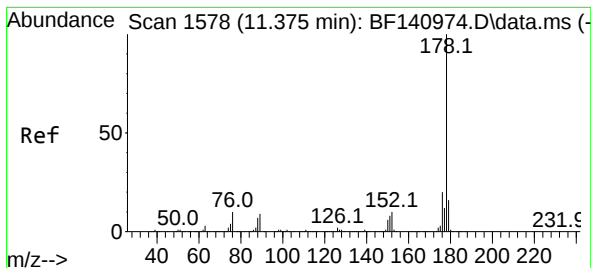
Tgt Ion:198 Resp: 802
Ion Ratio Lower Upper
198 100
51 247.0 32.3 72.3#
105 280.4 28.4 68.4#



#67
4-Bromophenyl-phenylether
Concen: 3.291 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.253 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36

Tgt Ion:248 Resp: 21767
Ion Ratio Lower Upper
248 100
250 204.9 77.7 116.5#
141 520.8 62.1 93.1#





#71

Phenanthrene

Concen: 3.100 ng

RT: 11.363 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141013.D

Acq: 27 Dec 2024 22:36

Instrument :

BNA_F

ClientSampleId :

OK-02-12232024

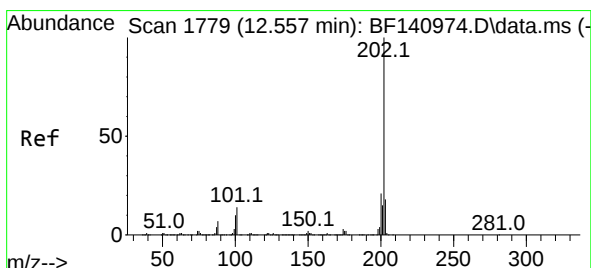
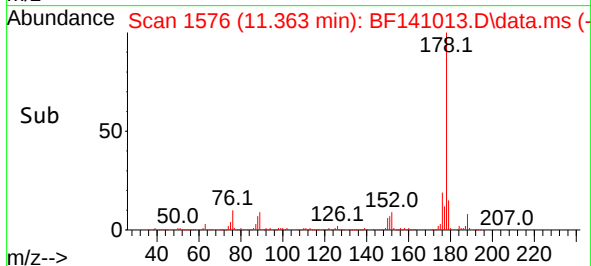
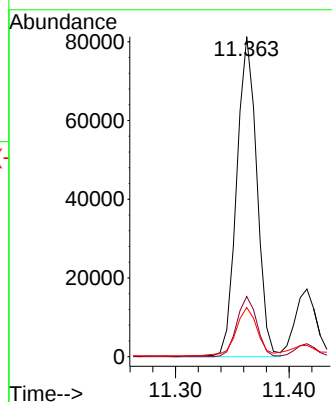
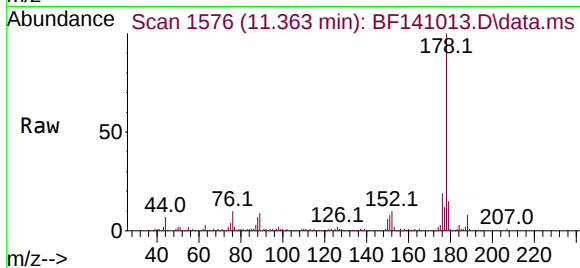
Tgt Ion:178 Resp: 99814

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.6

179 15.4 12.6 19.0



#75

Fluoranthene

Concen: 4.642 ng

RT: 12.551 min Scan# 1778

Delta R.T. -0.006 min

Lab File: BF141013.D

Acq: 27 Dec 2024 22:36

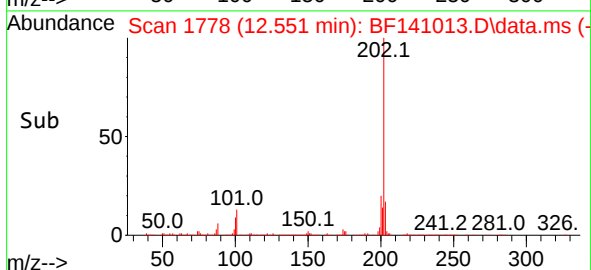
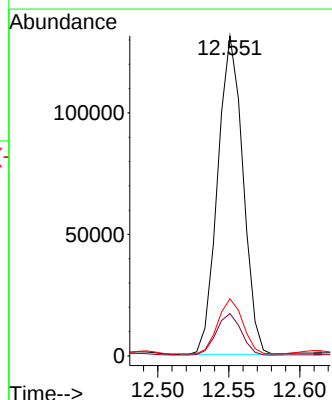
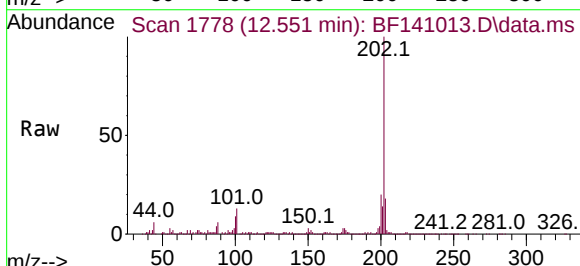
Tgt Ion:202 Resp: 162118

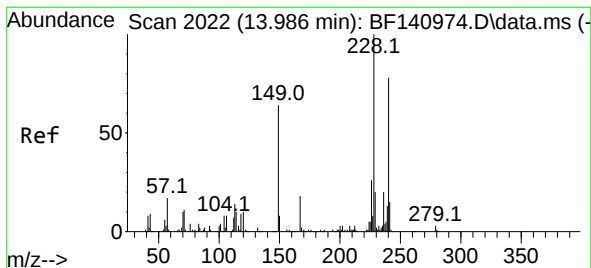
Ion Ratio Lower Upper

202 100

101 13.3 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: BF141013.D

Acq: 27 Dec 2024 22:36

Instrument :

BNA_F

ClientSampleId :

OK-02-12232024

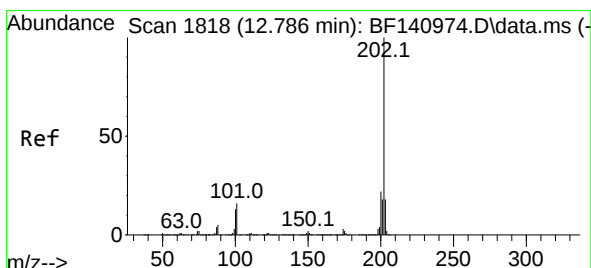
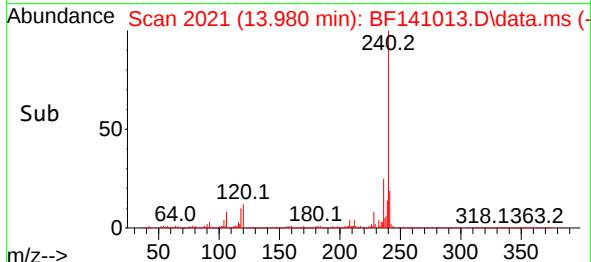
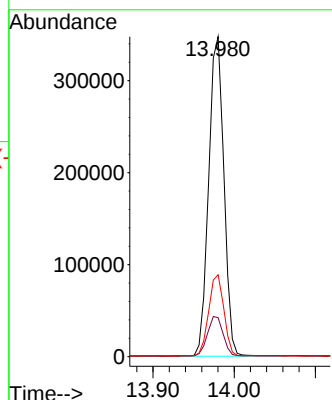
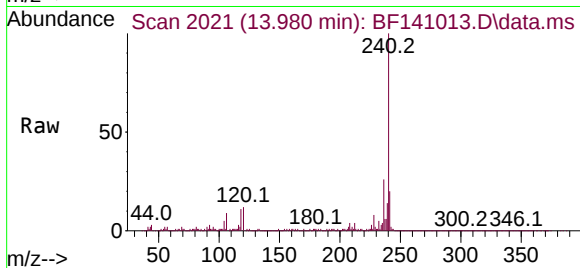
Tgt Ion:240 Resp: 451431

Ion Ratio Lower Upper

240 100

120 12.2 10.7 16.1

236 25.6 20.6 31.0



#78

Pyrene

Concen: 4.462 ng

RT: 12.780 min Scan# 1817

Delta R.T. -0.006 min

Lab File: BF141013.D

Acq: 27 Dec 2024 22:36

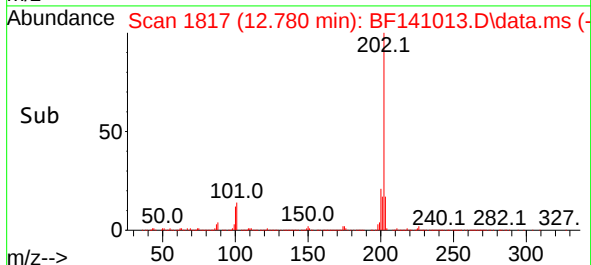
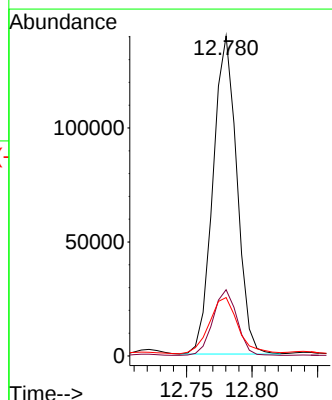
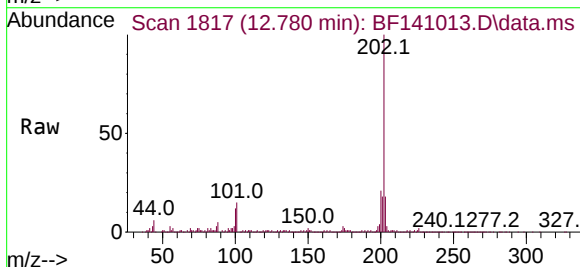
Tgt Ion:202 Resp: 176159

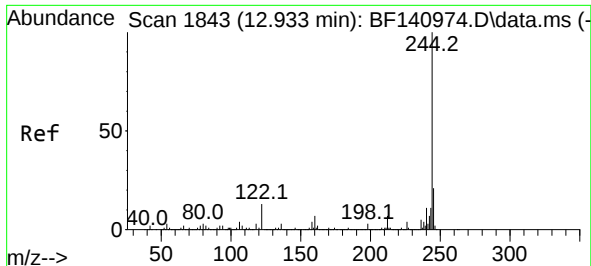
Ion Ratio Lower Upper

202 100

200 20.7 17.3 25.9

203 18.2 14.6 21.8

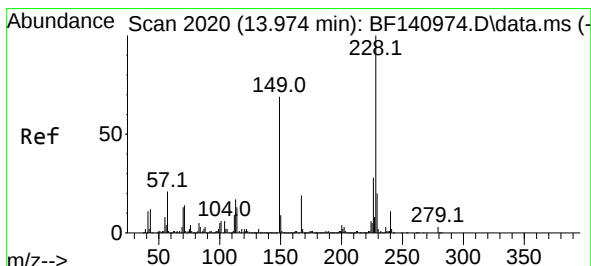
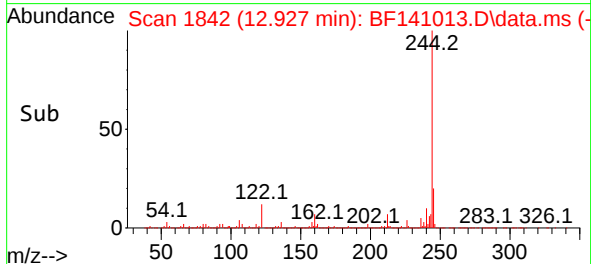
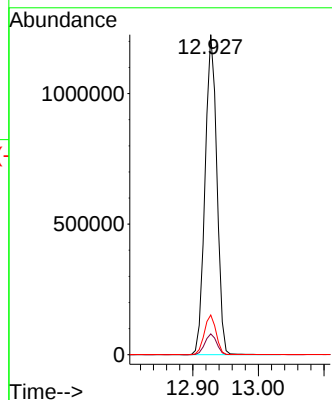
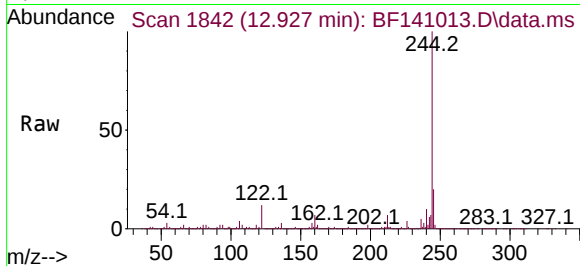




#79
Terphenyl-d14
Concen: 56.528 ng
RT: 12.927 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36

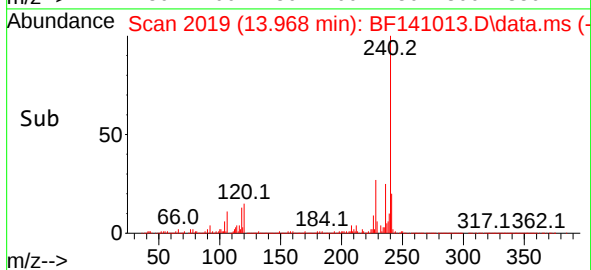
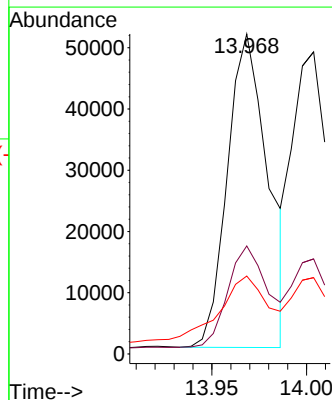
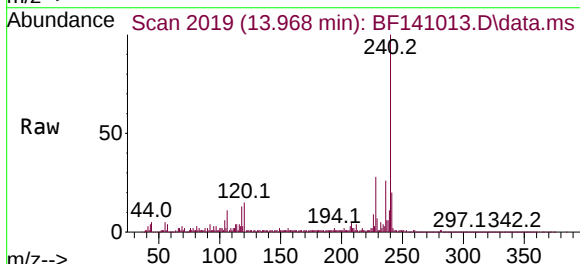
Instrument :
BNA_F
ClientSampleId :
OK-02-12232024

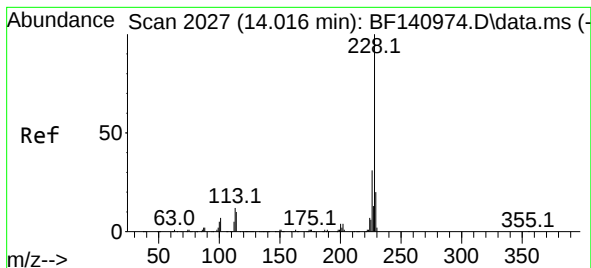
Tgt Ion:244 Resp: 1536334
Ion Ratio Lower Upper
244 100
212 6.5 5.7 8.5
122 12.4 10.2 15.2



#81
Benzo(a)anthracene
Concen: 2.423 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36

Tgt Ion:228 Resp: 76246
Ion Ratio Lower Upper
228 100
226 33.7 22.1 33.1#
229 24.4 16.2 24.2#





#83

Chrysene

Concen: 2.248 ng

RT: 14.004 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141013.D

Acq: 27 Dec 2024 22:36

Instrument :

BNA_F

ClientSampleId :

OK-02-12232024

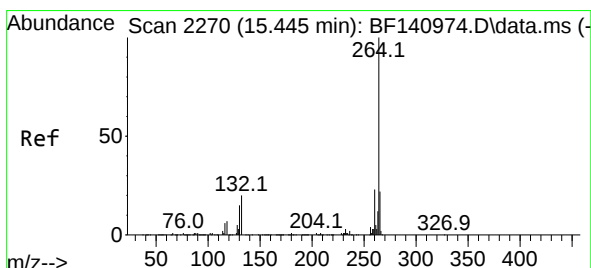
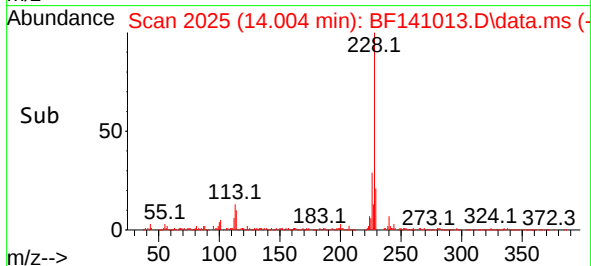
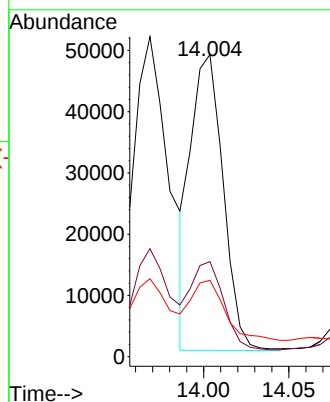
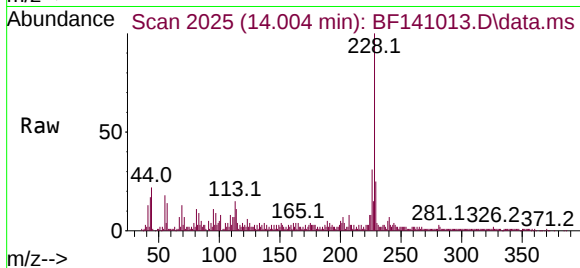
Tgt Ion:228 Resp: 63749

Ion Ratio Lower Upper

228 100

226 31.5 24.5 36.7

229 25.3 16.2 24.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 2268

Delta R.T. -0.012 min

Lab File: BF141013.D

Acq: 27 Dec 2024 22:36

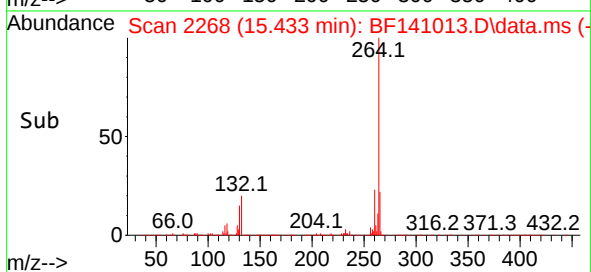
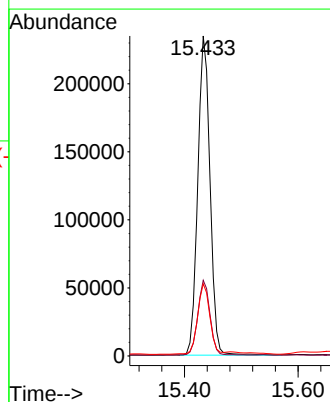
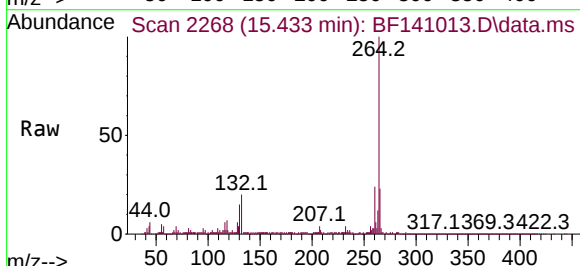
Tgt Ion:264 Resp: 351430

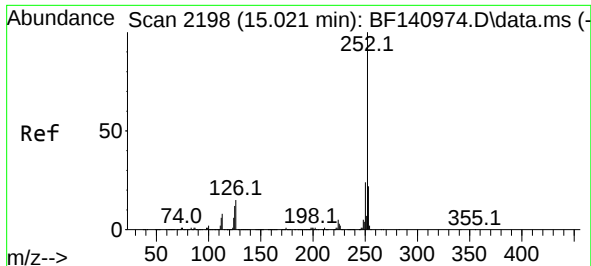
Ion Ratio Lower Upper

264 100

260 23.7 18.7 28.1

265 22.6 17.4 26.2

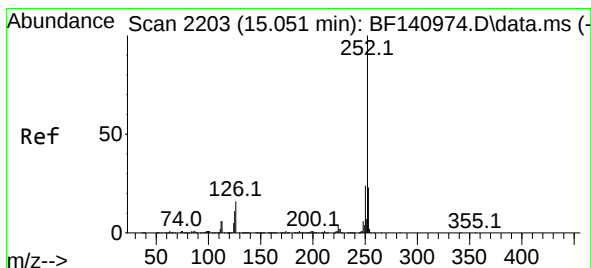
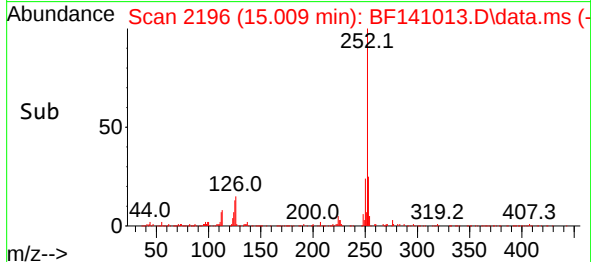
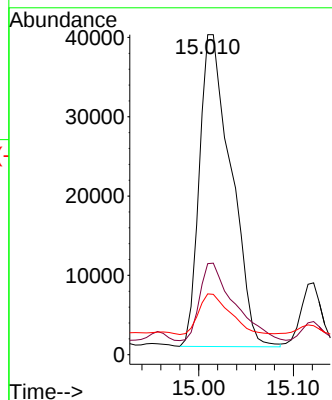
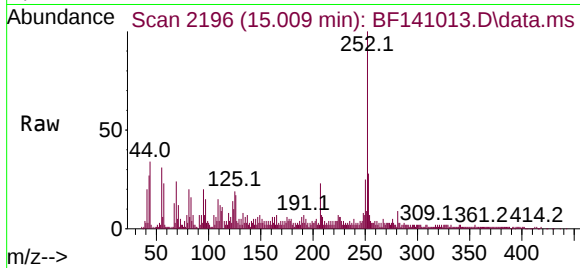




#88
Benzo(b)fluoranthene
Concen: 3.722 ng
RT: 15.009 min Scan# 2198
Delta R.T. -0.012 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36

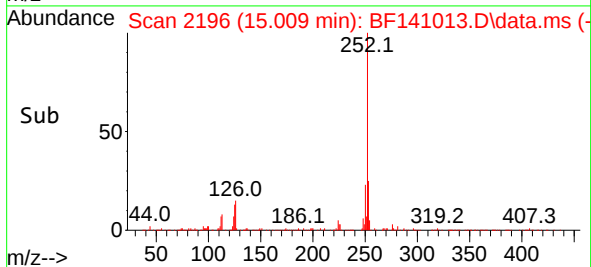
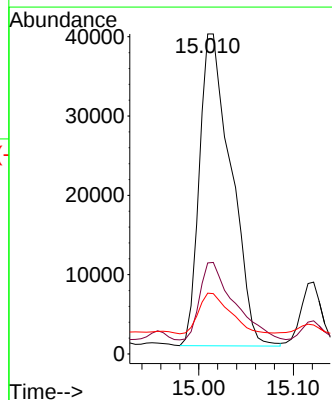
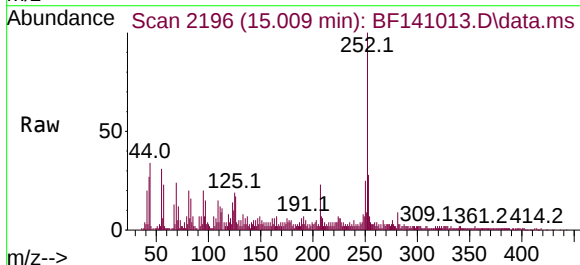
Instrument :
BNA_F
ClientSampleId :
OK-02-12232024

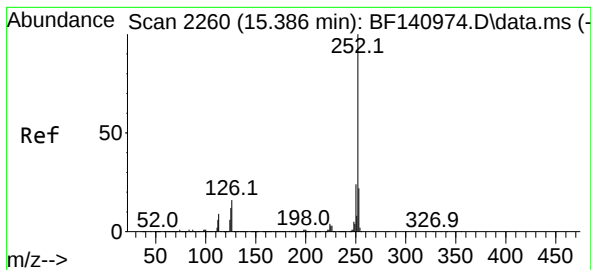
Tgt Ion:252 Resp: 91220
Ion Ratio Lower Upper
252 100
253 28.4 17.7 26.5#
125 19.0 9.3 13.9#



#89
Benzo(k)fluoranthene
Concen: 4.749 ng
RT: 15.009 min Scan# 2196
Delta R.T. -0.041 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36

Tgt Ion:252 Resp: 91220
Ion Ratio Lower Upper
252 100
253 28.4 17.8 26.8#
125 19.0 9.4 14.0#





#90

Benzo(a)pyrene

Concen: 2.671 ng

RT: 15.368 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141013.D

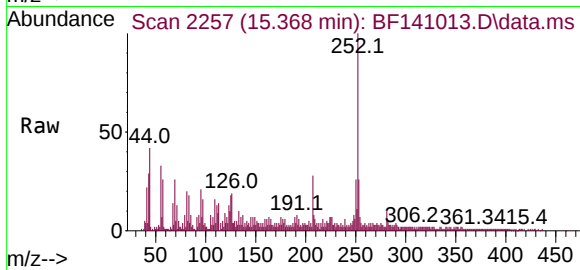
Acq: 27 Dec 2024 22:36

Instrument :

BNA_F

ClientSampleId :

OK-02-12232024



Tgt Ion:252 Resp: 50811

Ion Ratio Lower Upper

252 100

253 26.2 17.2 25.8#

125 18.4 9.8 14.8#

