

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
 Data File : BF141004.D
 Acq On : 27 Dec 2024 18:39
 Operator : RC/JU
 Sample : P5382-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Quant Time: Dec 27 22:20:17 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)

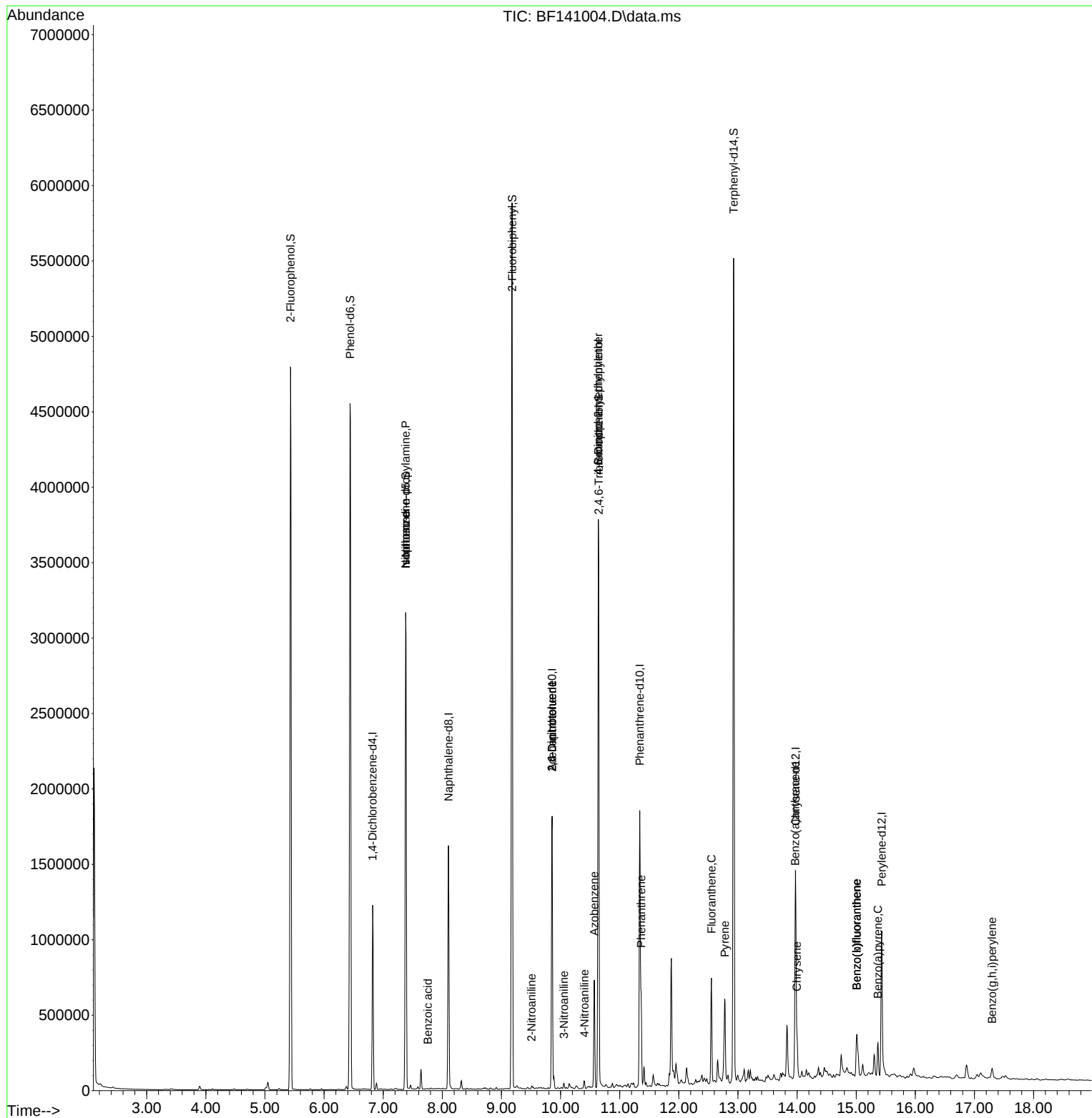
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	245562	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	986783	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	533453	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	882749	20.000	ng	0.00
76) Chrysene-d12	13.974	240	539303	20.000	ng	-0.01
86) Perylene-d12	15.433	264	547496	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1854097	113.813	ng	0.00
7) Phenol-d6	6.439	99	2370975	112.980	ng	-0.01
23) Nitrobenzene-d5	7.381	82	1479148	95.900	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	672154	129.669	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	2616681	78.151	ng	0.00
79) Terphenyl-d14	12.927	244	2621285	80.733	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.369	77	1346	Below Cal	#	83
19) n-Nitroso-di-n-propyla...	7.381	70	200462	15.592	ng	# 78
25) Isophorone	7.381	82	1466089	43.682	ng	# 65
32) Benzoic acid	7.757	122	340	7.721	ng	# 73
48) 2-Nitroaniline	9.510	65	181	4.664	ng	# 6
51) 2,6-Dinitrotoluene	9.857	165	70048	12.698	ng	# 23
53) 3-Nitroaniline	10.057	138	251	3.295	ng	# 1
57) 2,4-Dinitrotoluene	9.857	165	70048	11.749	ng	# 21
62) 4-Nitroaniline	10.404	138	280	3.380	ng	# 17
63) Azobenzene	10.569	77	176340	4.850	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.639	198	1434	9.672	ng	# 1
67) 4-Bromophenyl-phenylether	10.639	248	41688	4.369	ng	# 1
71) Phenanthrene	11.363	178	313968	6.758	ng	98
75) Fluoranthene	12.551	202	369067	7.324	ng	98
78) Pyrene	12.780	202	313419	6.645	ng	98
81) Benzo(a)anthracene	13.968	228	174110	4.632	ng	98
83) Chrysene	13.998	228	120164	3.546	ng	97
88) Benzo(b)fluoranthene	15.010	252	237475	6.219	ng	98
89) Benzo(k)fluoranthene	15.010	252	237475	7.935	ng	99
90) Benzo(a)pyrene	15.368	252	132885	4.484	ng	98
92) Benzo(g,h,i)perylene	17.298	276	60508	2.086	ng	99

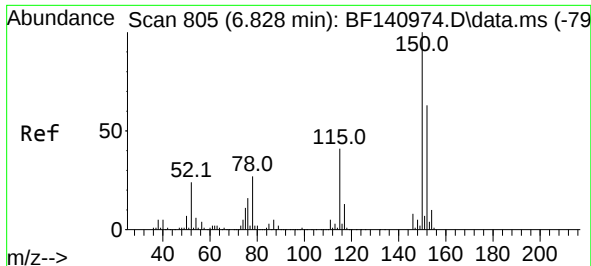
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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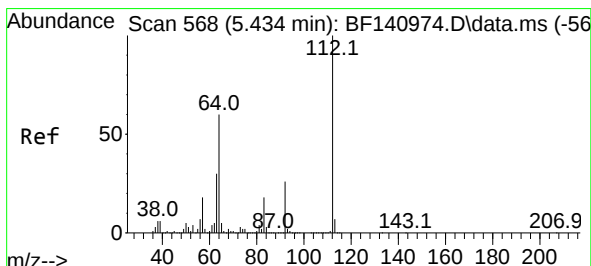
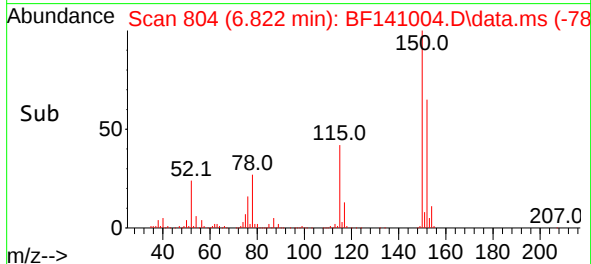
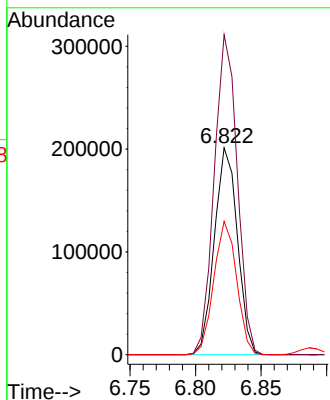
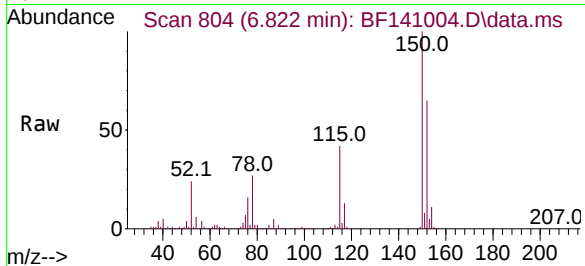




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

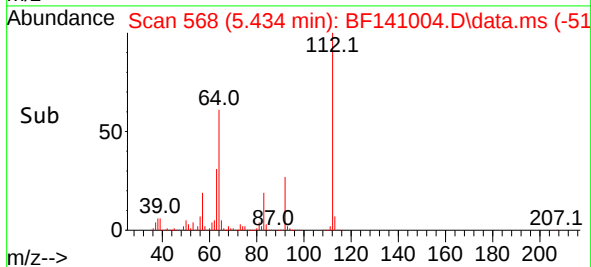
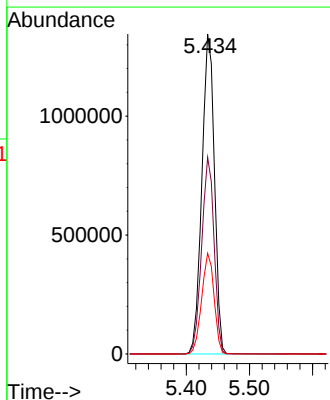
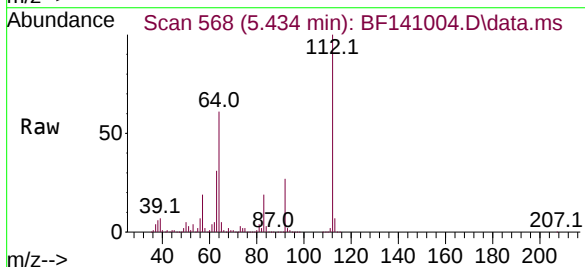
Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion:152 Resp: 245562
Ion Ratio Lower Upper
152 100
150 154.7 127.0 190.6
115 64.4 51.7 77.5



#5
2-Fluorophenol
Concen: 113.813 ng
RT: 5.434 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

Tgt Ion:112 Resp: 1854097
Ion Ratio Lower Upper
112 100
64 61.5 47.7 71.5
63 31.4 24.2 36.2

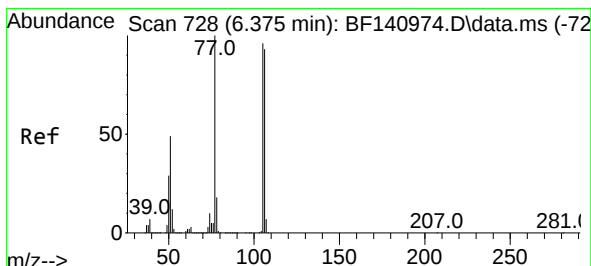
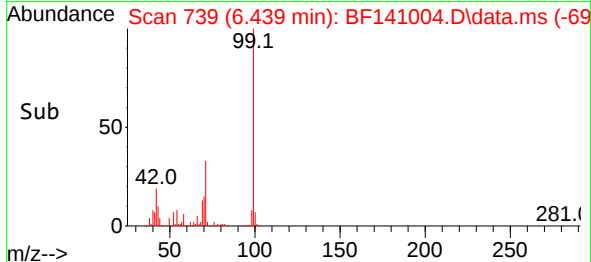
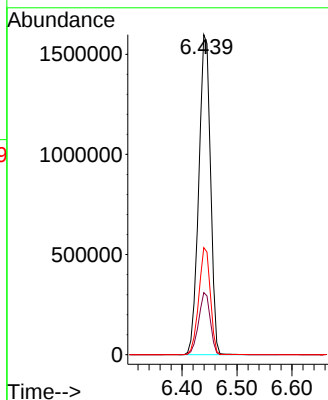
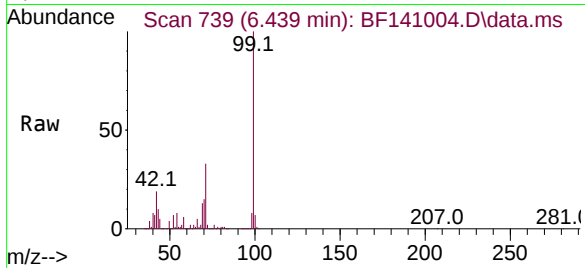




#7
Phenol-d6
Concen: 112.980 ng
RT: 6.439 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

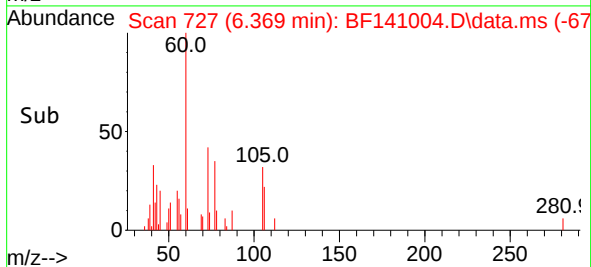
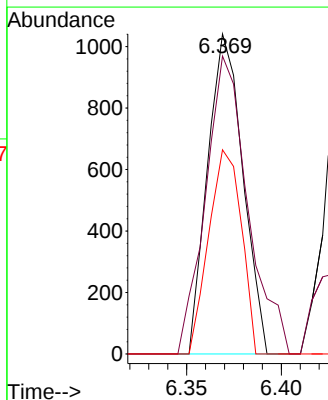
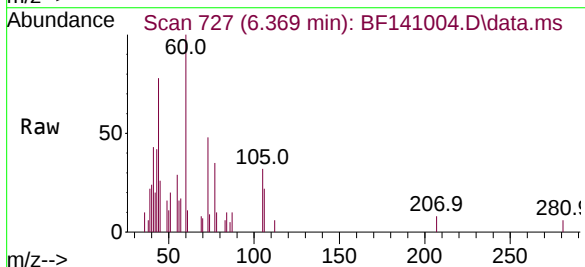
Instrument :
BNA_F
ClientSampleId :
COMP-1

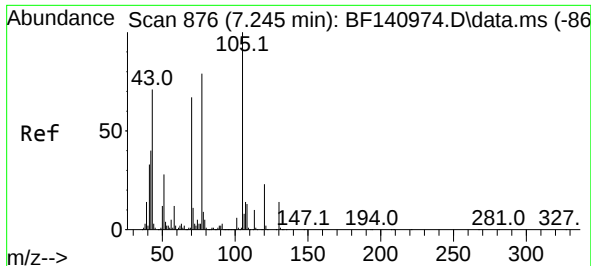
Tgt Ion: 99 Resp: 2370975
Ion Ratio Lower Upper
99 100
42 19.4 15.0 22.4
71 33.4 26.2 39.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.369 min Scan# 727
Delta R.T. -0.006 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

Tgt Ion: 77 Resp: 1346
Ion Ratio Lower Upper
77 100
105 93.1 76.2 116.2
106 63.8 73.4 113.4#

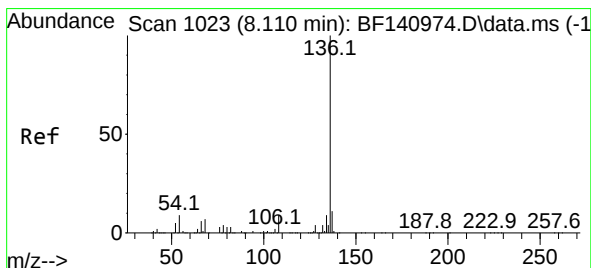
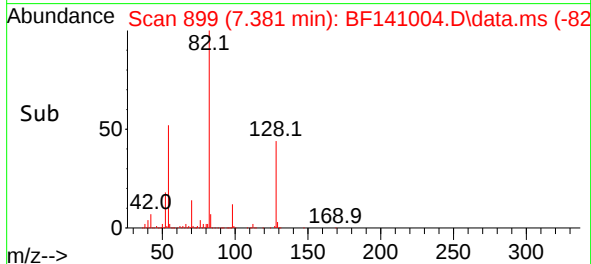
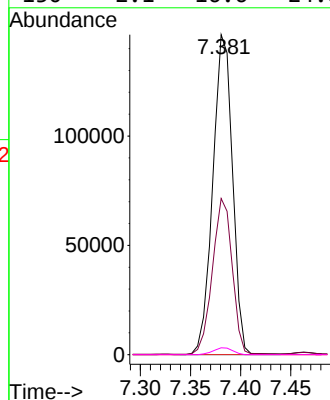
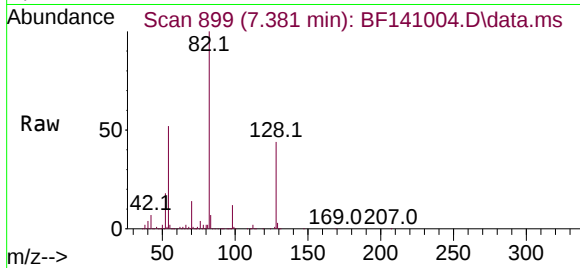




#19
n-Nitroso-di-n-propylamine
Concen: 15.592 ng
RT: 7.381 min Scan# 899
Delta R.T. 0.135 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

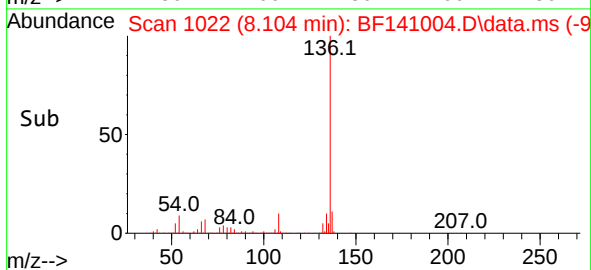
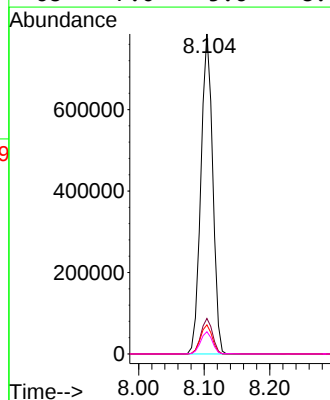
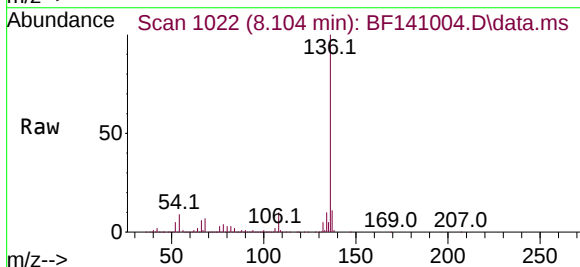
Instrument :
BNA_F
ClientSampleId :
COMP-1

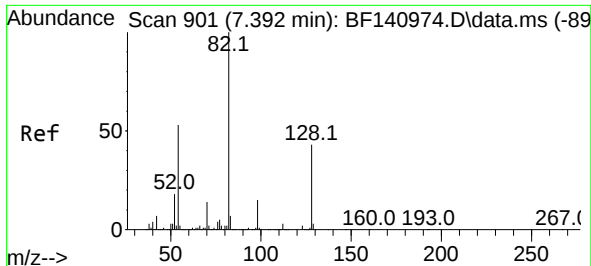
Tgt Ion: 70 Resp: 200462
Ion Ratio Lower Upper
70 100
42 48.8 48.1 72.1
101 0.0 7.6 11.4#
130 2.1 16.6 24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

Tgt Ion: 136 Resp: 986783
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 9.1 7.6 11.4
68 7.0 5.6 8.4

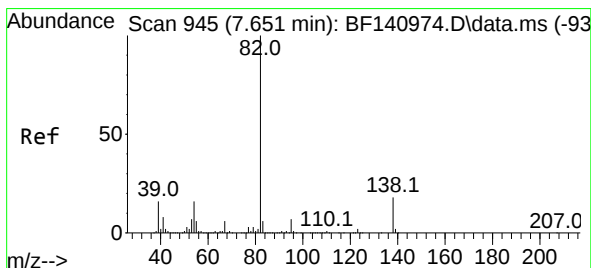
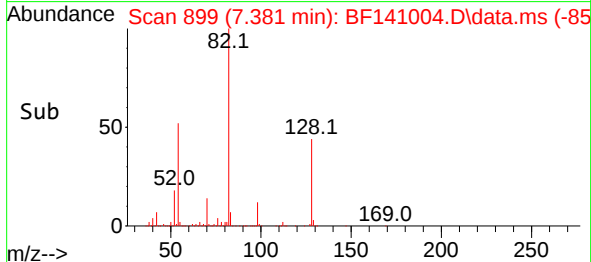
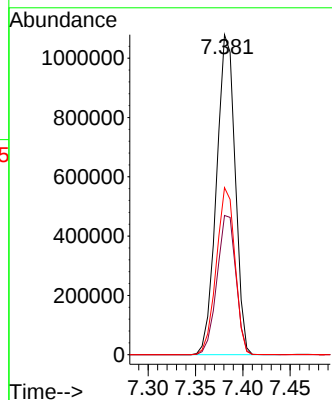
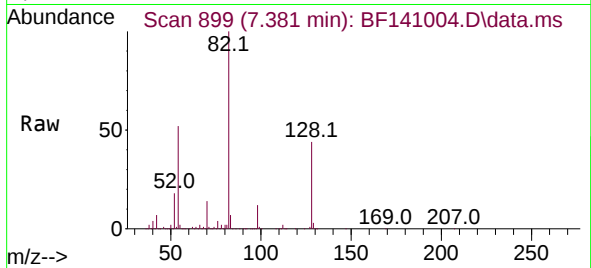




#23
Nitrobenzene-d5
Concen: 95.900 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

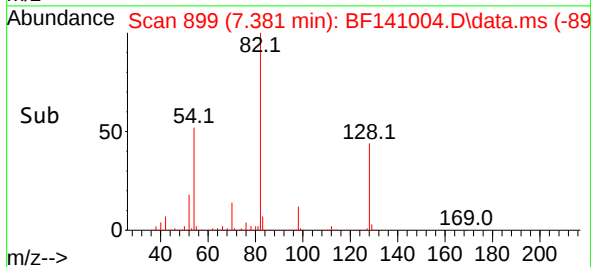
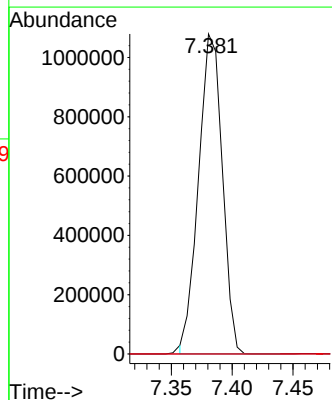
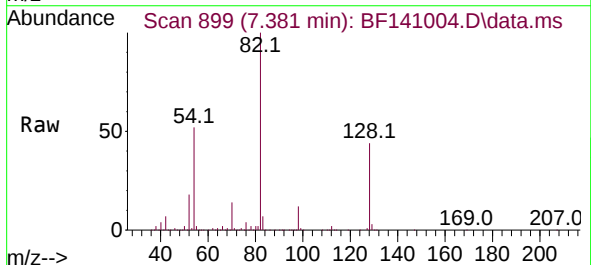
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ClientSampleId :
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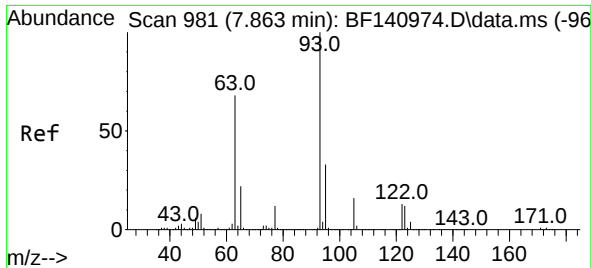
Tgt Ion: 82 Resp: 1479148
Ion Ratio Lower Upper
82 100
128 43.5 34.4 51.6
54 52.2 42.4 63.6



#25
Isophorone
Concen: 43.682 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.271 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

Tgt Ion: 82 Resp: 1466089
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 21.8#

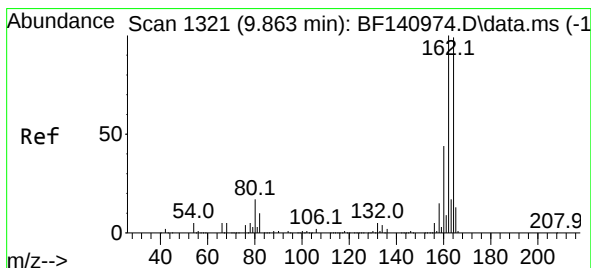
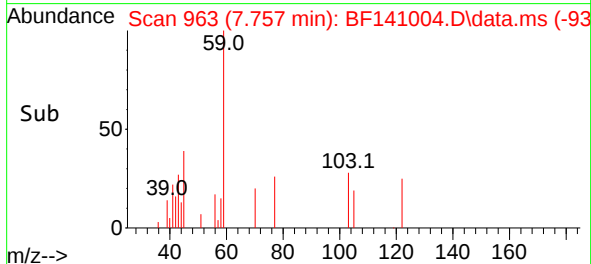
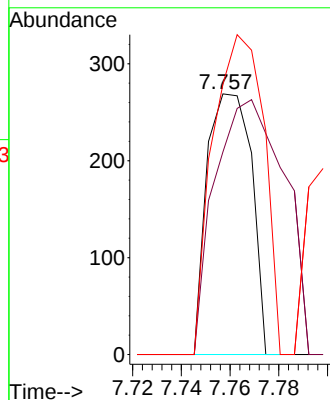
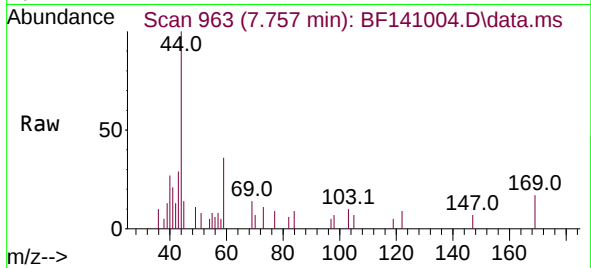




#32
Benzoic acid
Concen: 7.721 ng
RT: 7.757 min Scan# 90
Delta R.T. -0.106 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

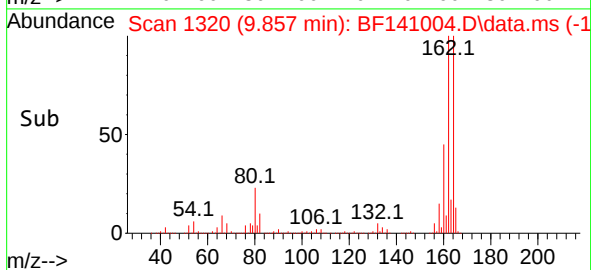
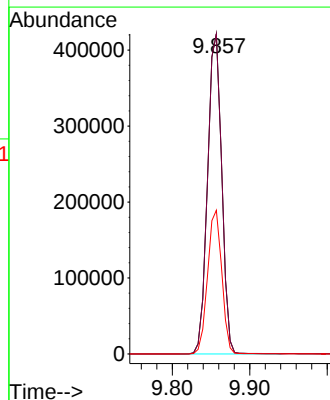
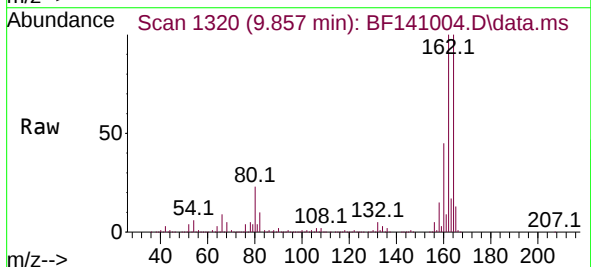
Instrument :
BNA_F
ClientSampleId :
COMP-1

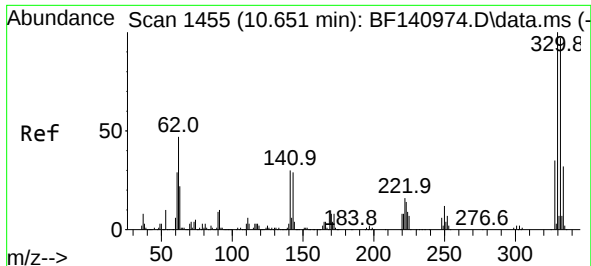
Tgt Ion:122 Resp: 340
Ion Ratio Lower Upper
122 100
105 77.7 105.4 145.4#
77 103.7 76.4 116.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

Tgt Ion:164 Resp: 533453
Ion Ratio Lower Upper
164 100
162 100.0 80.6 120.8
160 44.9 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 129.669 ng

RT: 10.645 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BF141004.D

Acq: 27 Dec 2024 18:39

Instrument :

BNA_F

ClientSampleId :

COMP-1

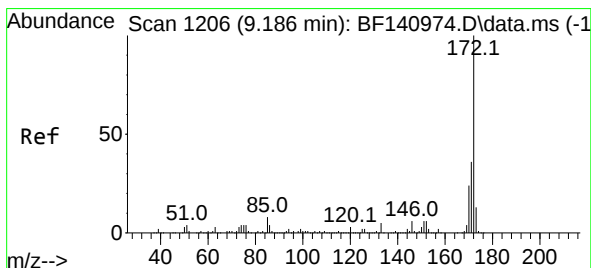
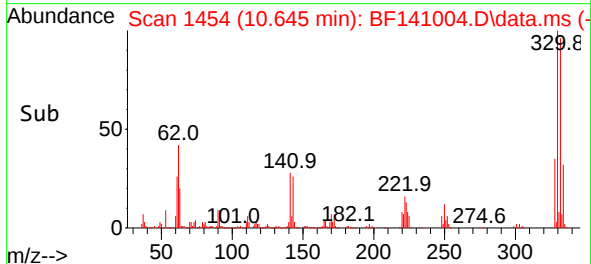
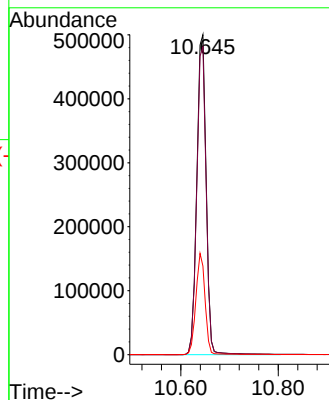
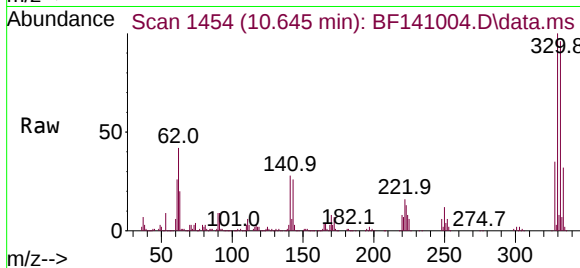
Tgt Ion:330 Resp: 672154

Ion Ratio Lower Upper

330 100

332 96.7 78.0 117.0

141 31.2 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 78.151 ng

RT: 9.180 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF141004.D

Acq: 27 Dec 2024 18:39

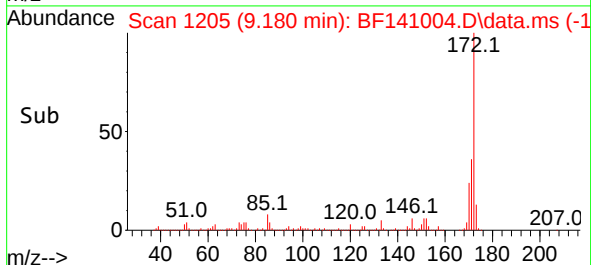
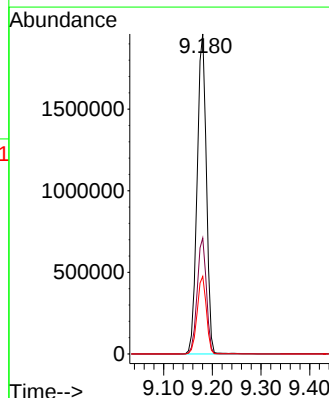
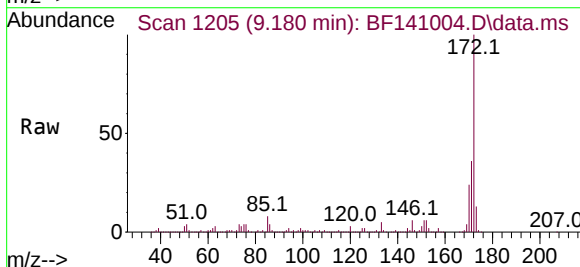
Tgt Ion:172 Resp: 2616681

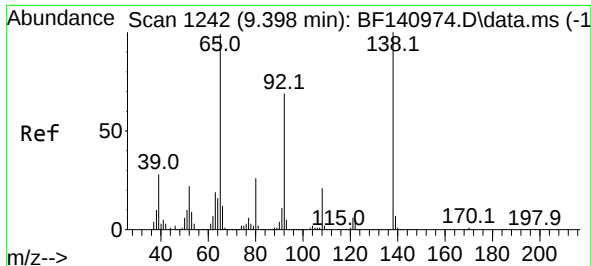
Ion Ratio Lower Upper

172 100

171 36.2 29.0 43.4

170 24.3 19.6 29.4

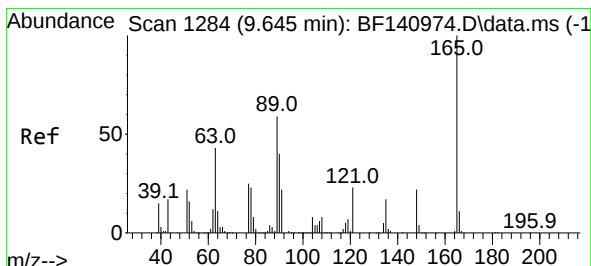
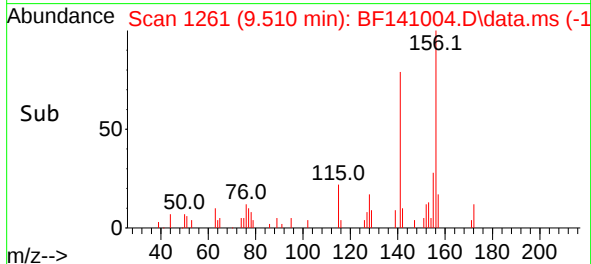
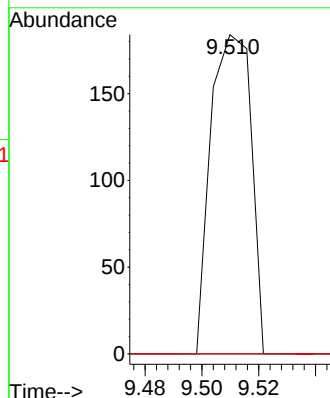
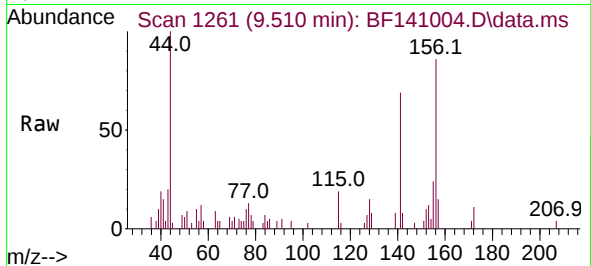




#48
2-Nitroaniline
Concen: 4.664 ng
RT: 9.510 min Scan# 11
Delta R.T. 0.112 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

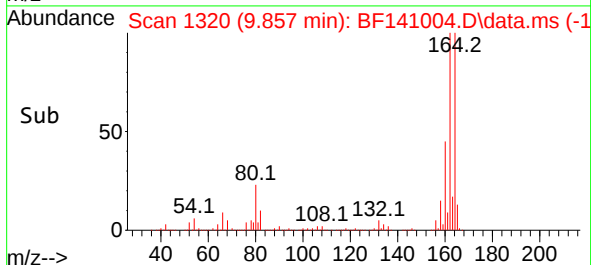
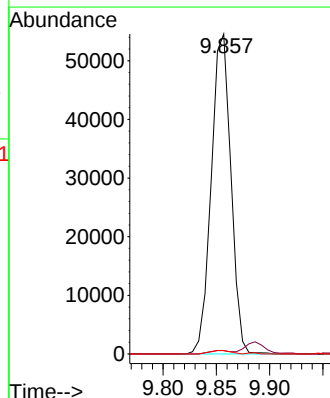
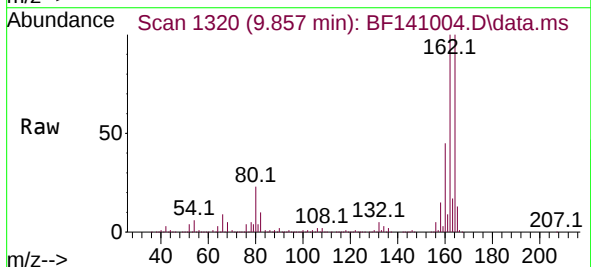
Instrument :
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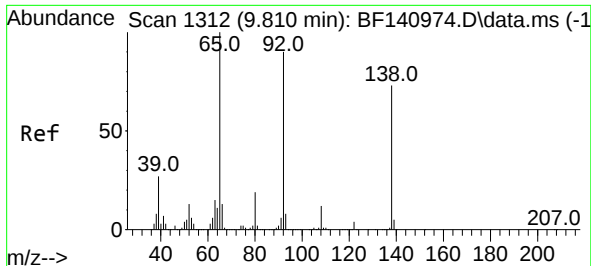
Tgt Ion: 65 Resp: 181
Ion Ratio Lower Upper
65 100
92 0.0 55.6 83.4#
138 0.0 80.5 120.7#



#51
2,6-Dinitrotoluene
Concen: 12.698 ng
RT: 9.857 min Scan# 1320
Delta R.T. 0.212 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

Tgt Ion: 165 Resp: 70048
Ion Ratio Lower Upper
165 100
63 1.0 47.1 70.7#
89 1.1 47.0 70.4#

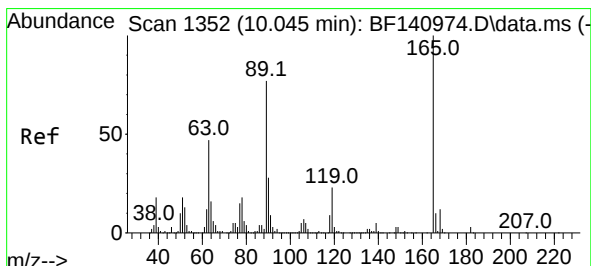
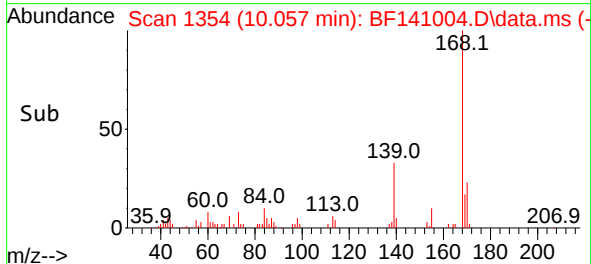
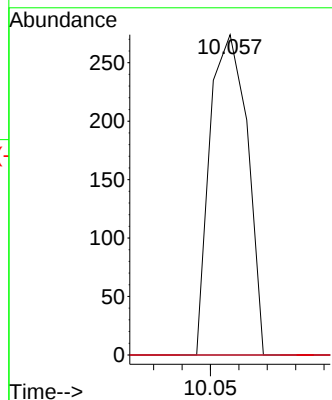
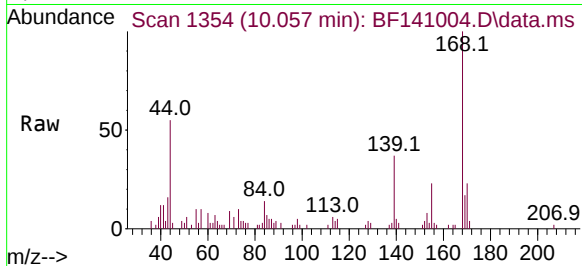




#53
3-Nitroaniline
Concen: 3.295 ng
RT: 10.057 min Scan# 11
Delta R.T. 0.247 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

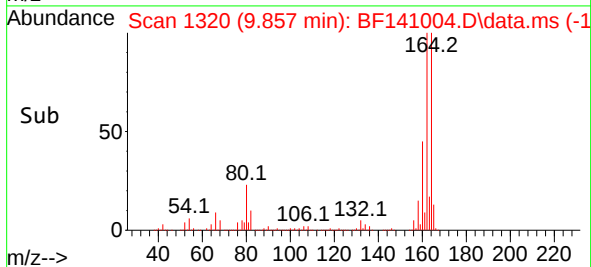
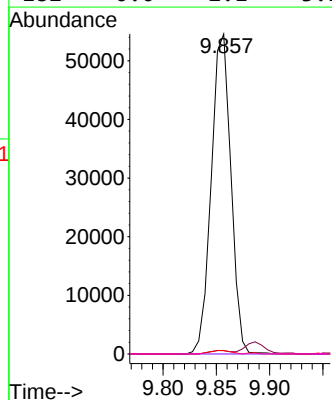
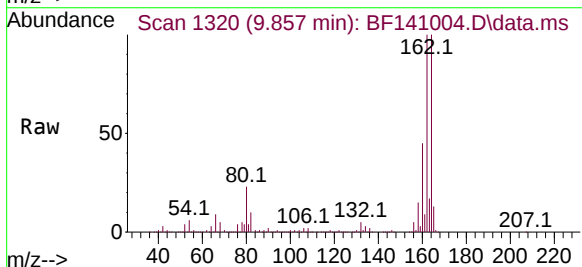
Instrument :
BNA_F
ClientSampleId :
COMP-1

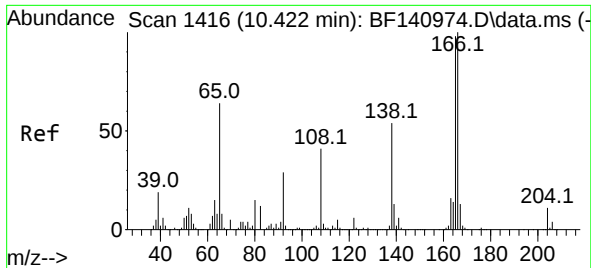
Tgt Ion:138 Resp: 251
Ion Ratio Lower Upper
138 100
108 0.0 13.5 20.3#
92 0.0 97.7 146.5#



#57
2,4-Dinitrotoluene
Concen: 11.749 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.188 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

Tgt Ion:165 Resp: 70048
Ion Ratio Lower Upper
165 100
63 1.0 38.1 57.1#
89 1.1 61.4 92.2#
182 0.0 2.1 3.1#

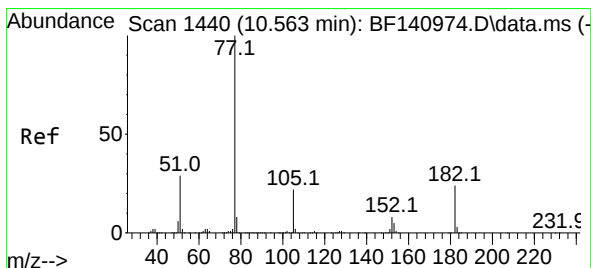
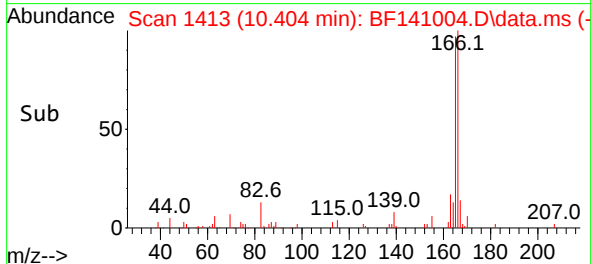
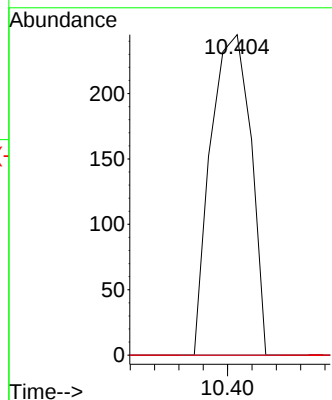
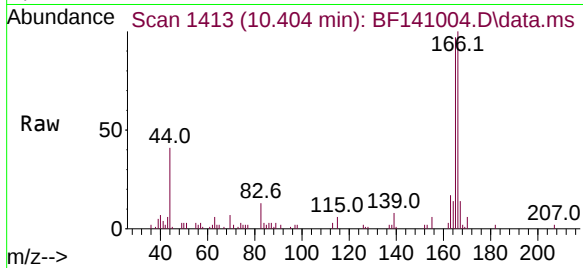




#62
4-Nitroaniline
Concen: 3.380 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.018 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

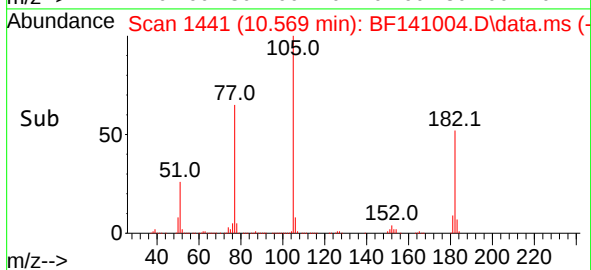
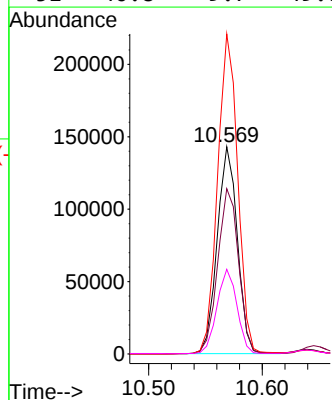
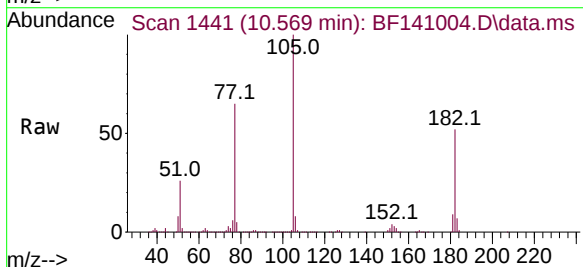
Instrument :
BNA_F
ClientSampleId :
COMP-1

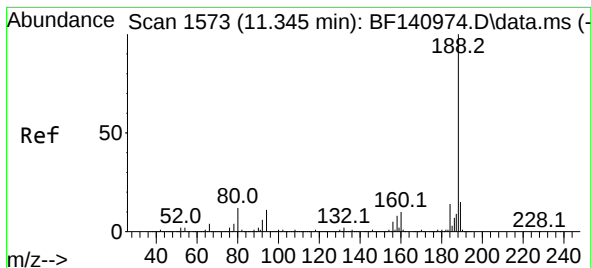
Tgt Ion:138 Resp: 280
Ion Ratio Lower Upper
138 100
92 0.0 34.8 74.8#
108 0.0 55.9 95.9#



#63
Azobenzene
Concen: 4.850 ng
RT: 10.569 min Scan# 1441
Delta R.T. 0.006 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

Tgt Ion: 77 Resp: 176340
Ion Ratio Lower Upper
77 100
182 79.8 4.1 44.1#
105 154.4 1.8 41.8#
51 40.8 9.7 49.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.339 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141004.D

Acq: 27 Dec 2024 18:39

Instrument :

BNA_F

ClientSampleId :

COMP-1

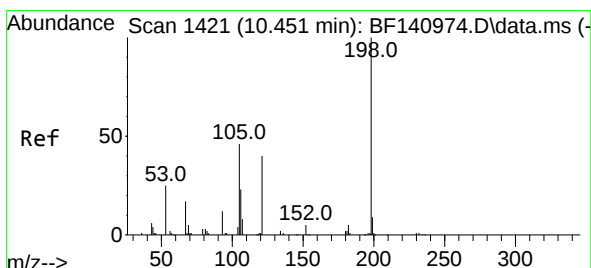
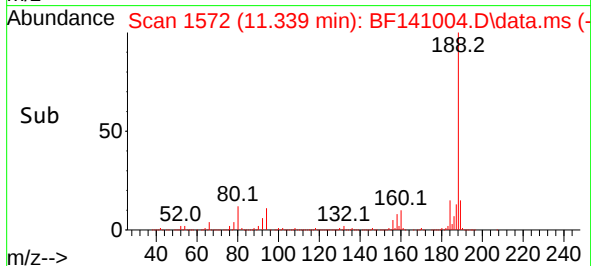
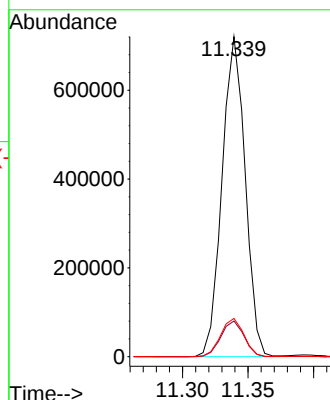
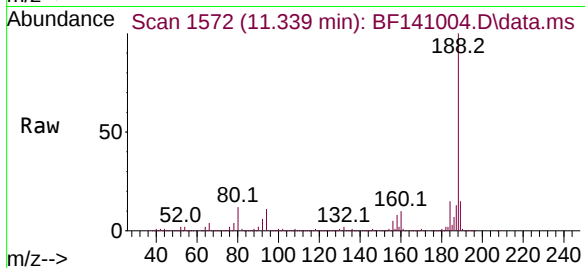
Tgt Ion:188 Resp: 882749

Ion Ratio Lower Upper

188 100

94 11.2 9.0 13.6

80 12.0 9.8 14.6



#65

4,6-Dinitro-2-methylphenol

Concen: 9.672 ng

RT: 10.639 min Scan# 1453

Delta R.T. 0.188 min

Lab File: BF141004.D

Acq: 27 Dec 2024 18:39

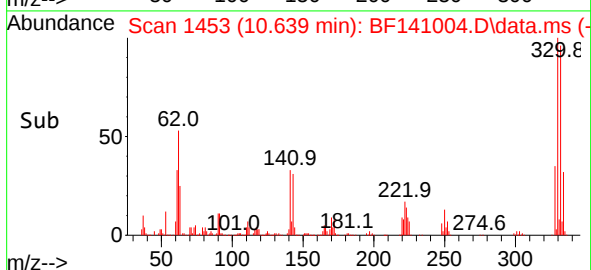
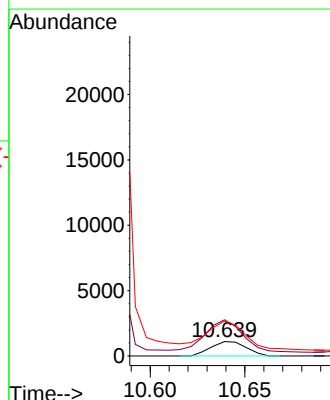
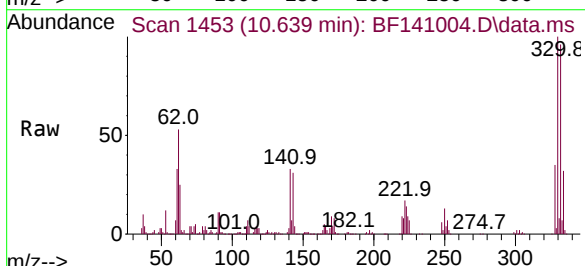
Tgt Ion:198 Resp: 1434

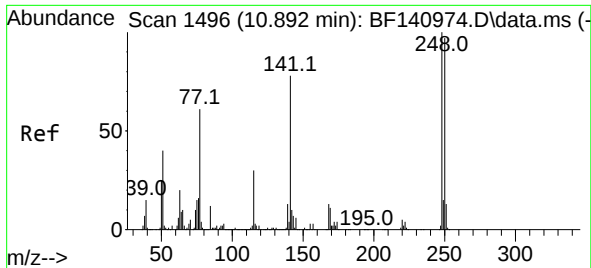
Ion Ratio Lower Upper

198 100

51 250.7 32.3 72.3#

105 241.2 28.4 68.4#

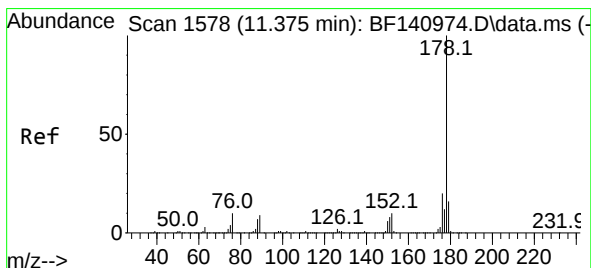
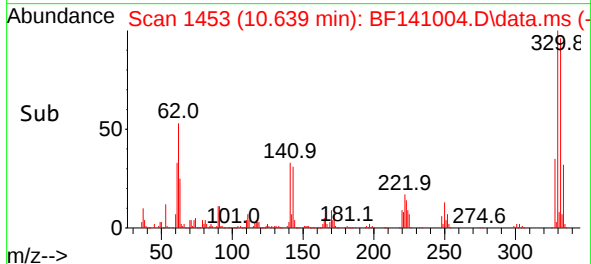
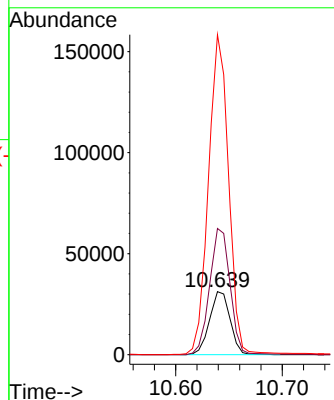
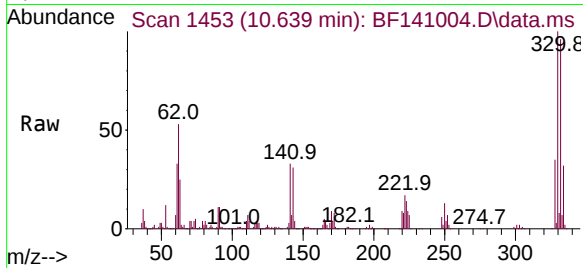




#67
4-Bromophenyl-phenylether
Concen: 4.369 ng
RT: 10.639 min Scan# 1496
Delta R.T. -0.253 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

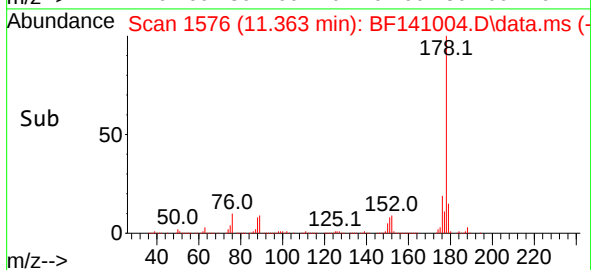
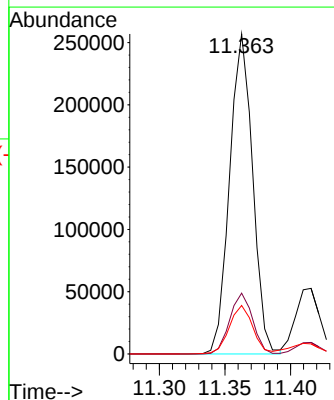
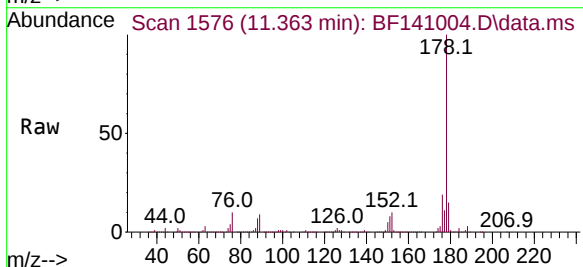
Instrument :
BNA_F
ClientSampleId :
COMP-1

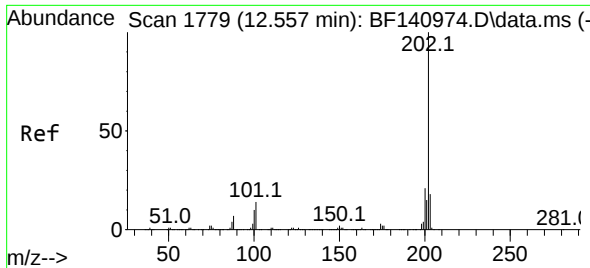
Tgt Ion:248 Resp: 41688
Ion Ratio Lower Upper
248 100
250 200.4 77.7 116.5#
141 508.0 62.1 93.1#



#71
Phenanthrene
Concen: 6.758 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.012 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

Tgt Ion:178 Resp: 313968
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.6
179 15.2 12.6 19.0

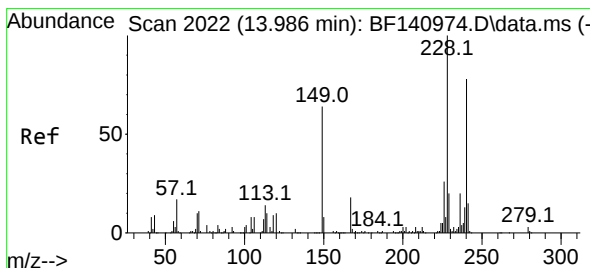
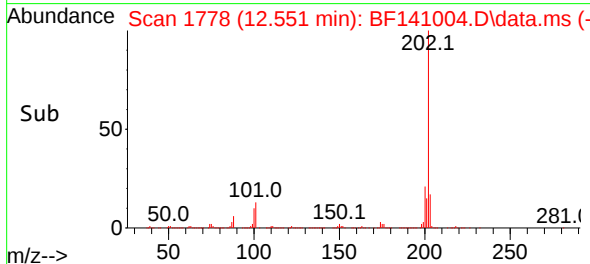
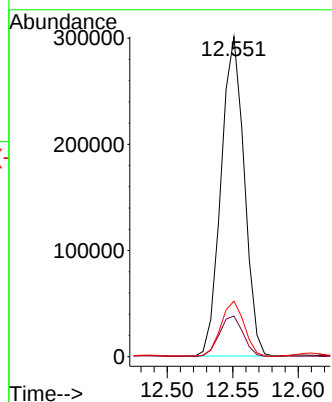
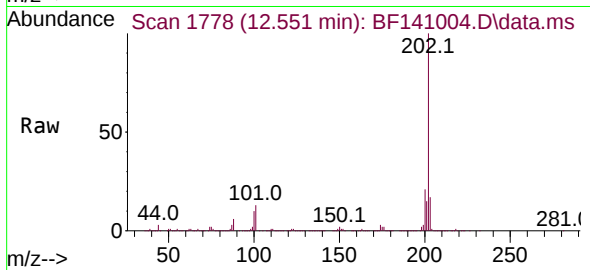




#75
Fluoranthene
Concen: 7.324 ng
RT: 12.551 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

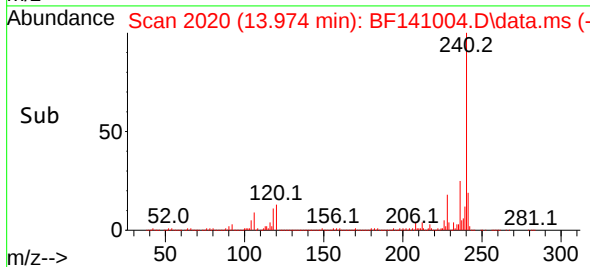
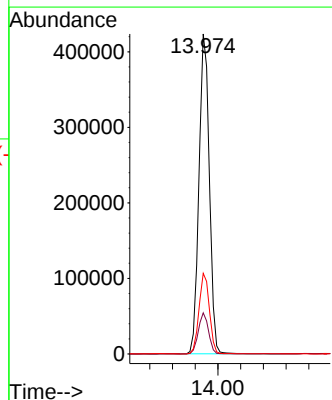
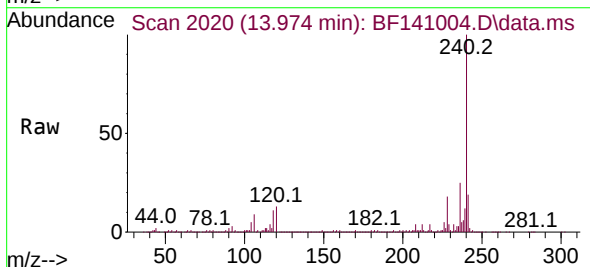
Instrument :
BNA_F
ClientSampleId :
COMP-1

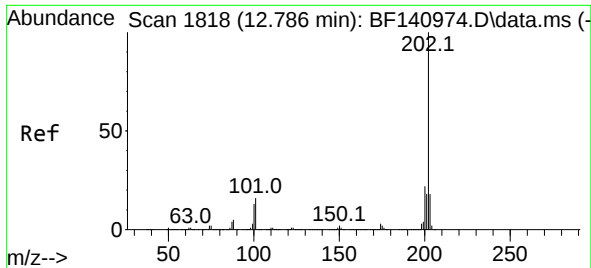
Tgt Ion:202 Resp: 369067
Ion Ratio Lower Upper
202 100
101 12.7 0.0 33.7
203 17.4 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

Tgt Ion:240 Resp: 539303
Ion Ratio Lower Upper
240 100
120 12.8 10.7 16.1
236 25.2 20.6 31.0





#78

Pyrene

Concen: 6.645 ng

RT: 12.780 min Scan# 1818

Delta R.T. -0.006 min

Lab File: BF141004.D

Acq: 27 Dec 2024 18:39

Instrument :

BNA_F

ClientSampleId :

COMP-1

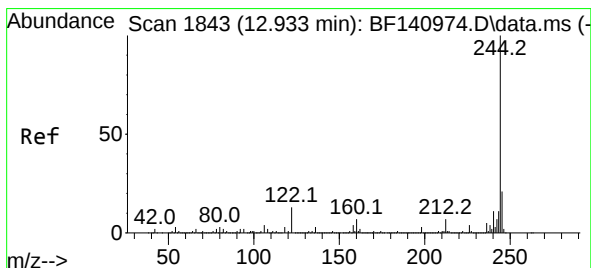
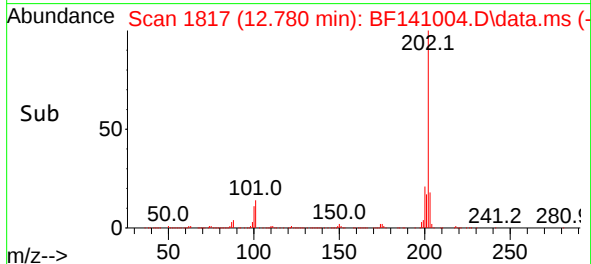
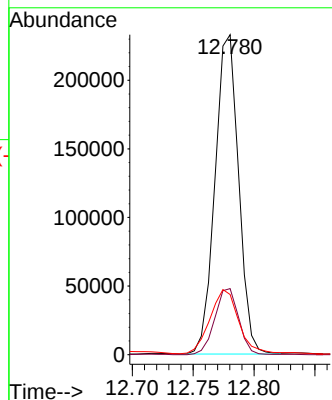
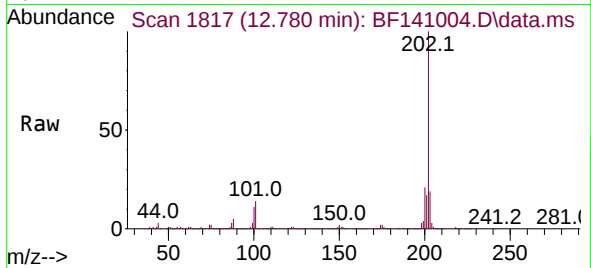
Tgt Ion:202 Resp: 313419

Ion Ratio Lower Upper

202 100

200 20.6 17.3 25.9

203 18.8 14.6 21.8



#79

Terphenyl-d14

Concen: 80.733 ng

RT: 12.927 min Scan# 1842

Delta R.T. -0.006 min

Lab File: BF141004.D

Acq: 27 Dec 2024 18:39

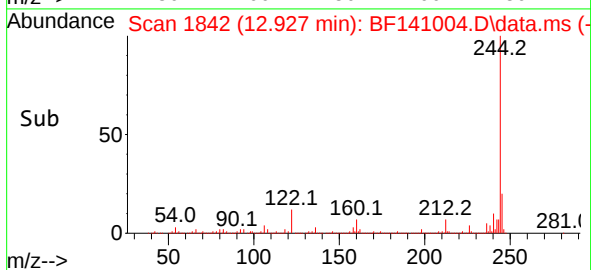
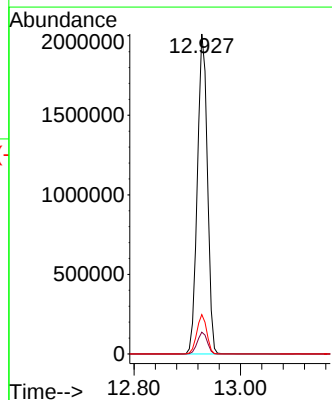
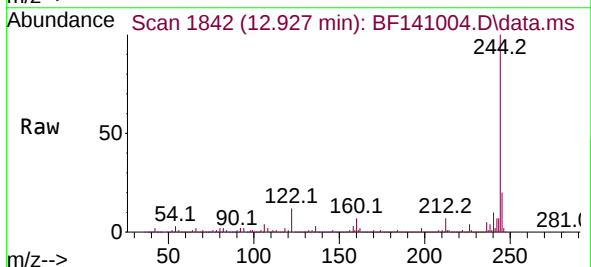
Tgt Ion:244 Resp: 2621285

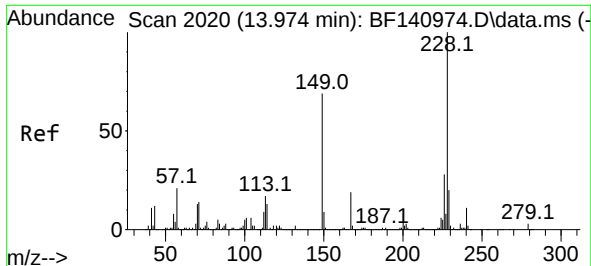
Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 12.3 10.2 15.2

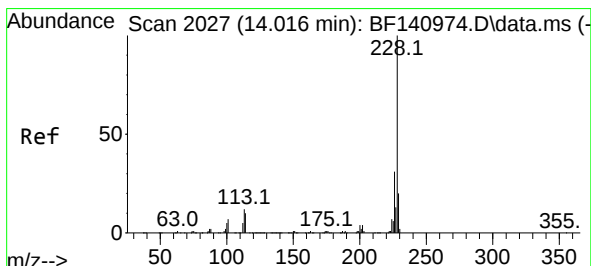
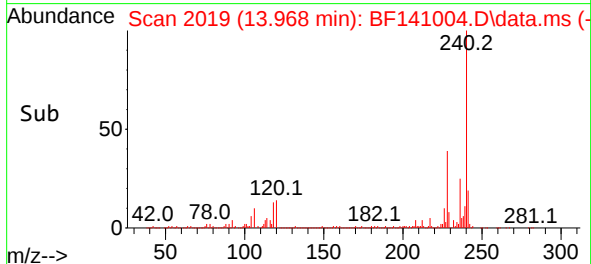
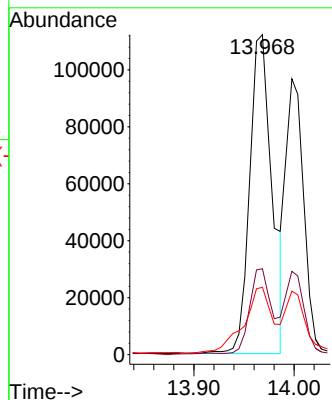
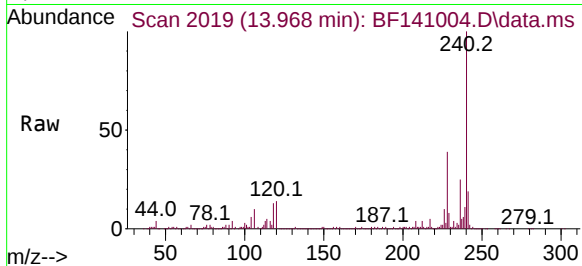




#81
Benzo(a)anthracene
Concen: 4.632 ng
RT: 13.968 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

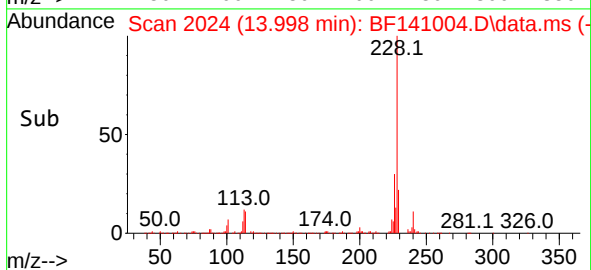
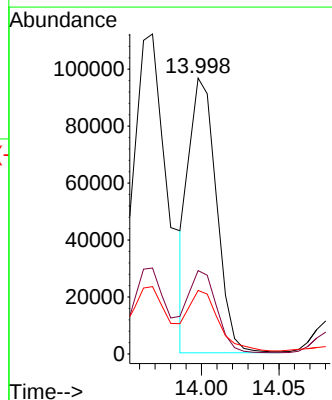
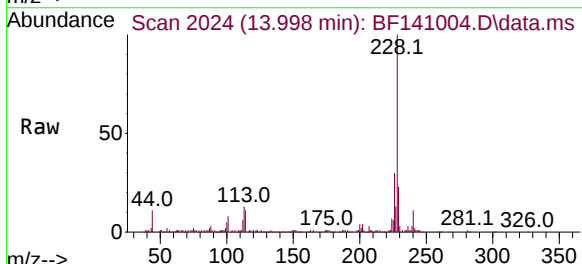
Instrument :
BNA_F
ClientSampleId :
COMP-1

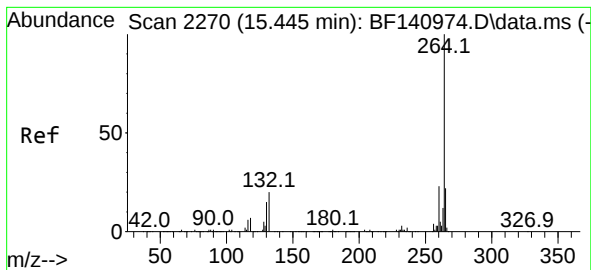
Tgt Ion:228 Resp: 174110
Ion Ratio Lower Upper
228 100
226 26.9 22.1 33.1
229 21.1 16.2 24.2



#83
Chrysene
Concen: 3.546 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.018 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

Tgt Ion:228 Resp: 120164
Ion Ratio Lower Upper
228 100
226 30.2 24.5 36.7
229 23.0 16.2 24.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF141004.D

Acq: 27 Dec 2024 18:39

Instrument :

BNA_F

ClientSampleId :

COMP-1

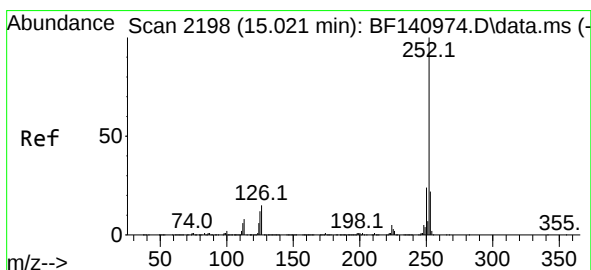
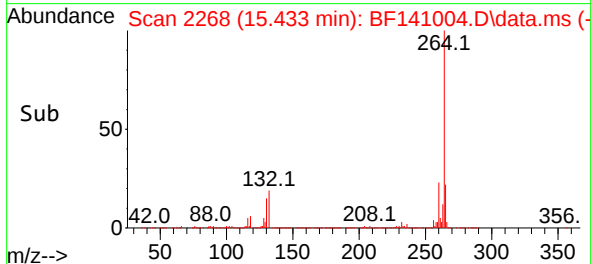
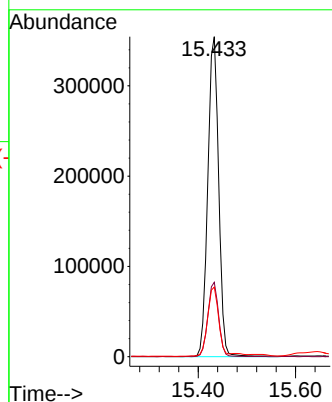
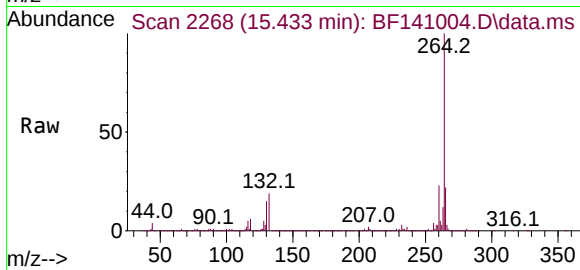
Tgt Ion:264 Resp: 547496

Ion Ratio Lower Upper

264 100

260 23.2 18.7 28.1

265 21.7 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 6.219 ng

RT: 15.010 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF141004.D

Acq: 27 Dec 2024 18:39

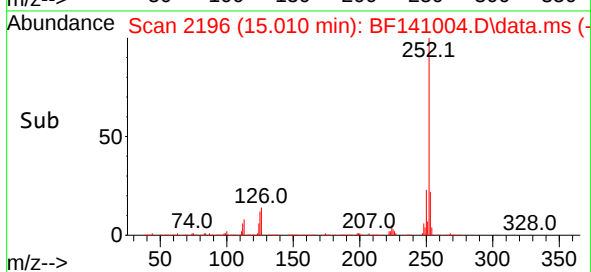
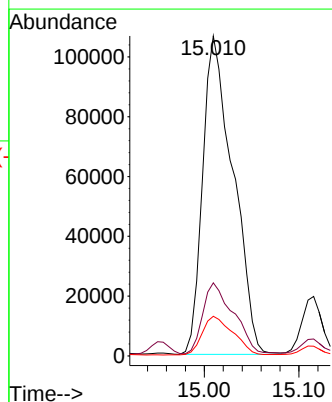
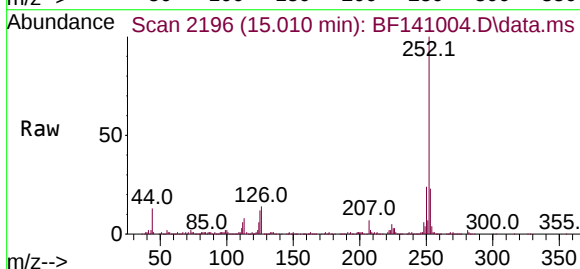
Tgt Ion:252 Resp: 237475

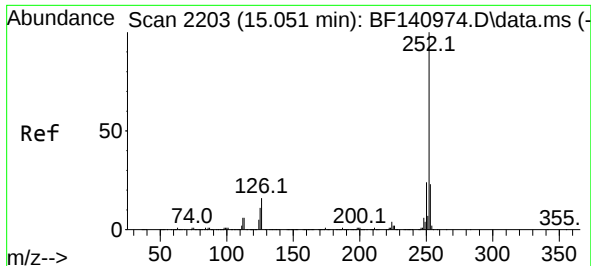
Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 12.4 9.3 13.9

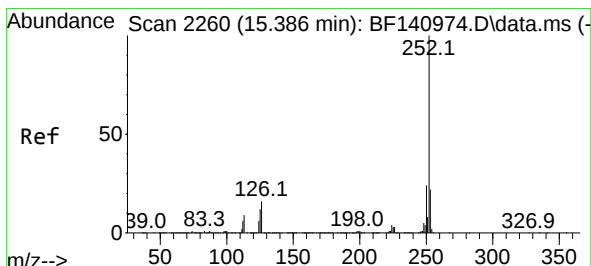
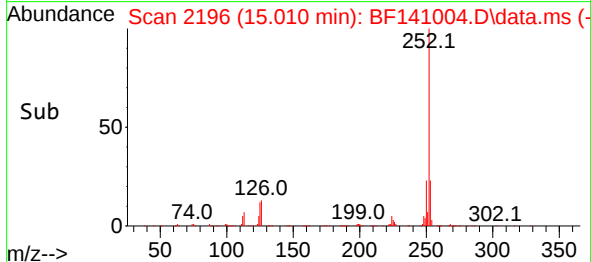
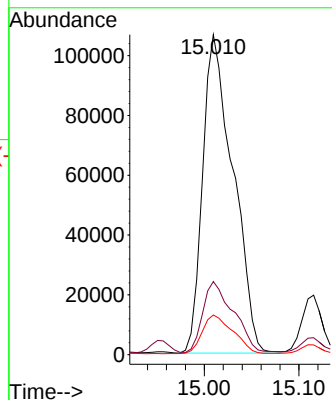
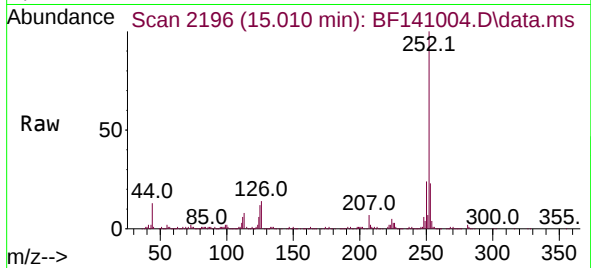




#89
Benzo(k)fluoranthene
Concen: 7.935 ng
RT: 15.010 min Scan# 2196
Delta R.T. -0.041 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

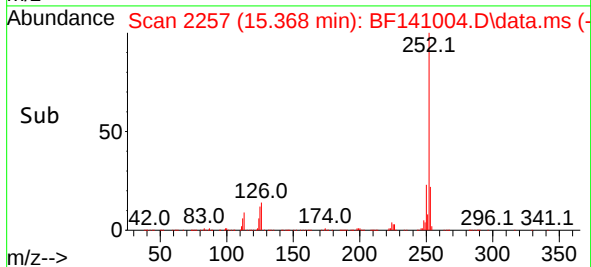
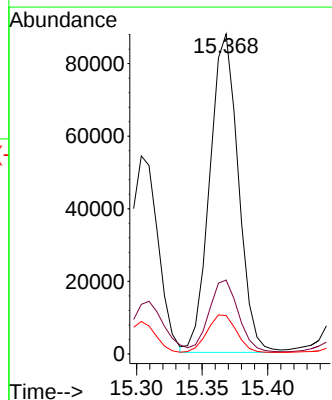
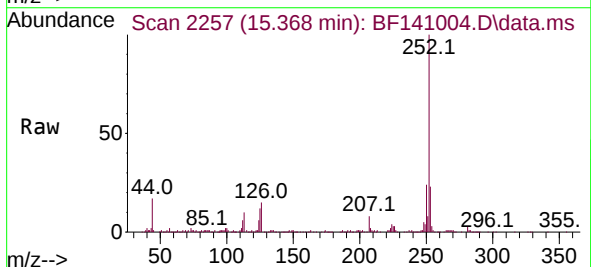
Instrument :
BNA_F
ClientSampleId :
COMP-1

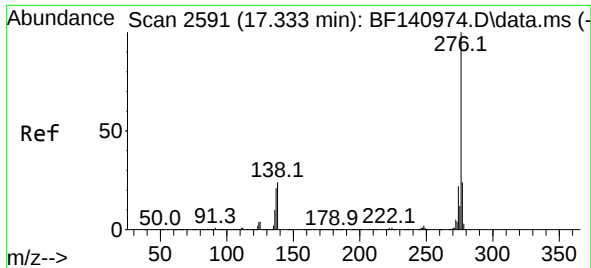
Tgt Ion:252 Resp: 237475
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 12.4 9.4 14.0



#90
Benzo(a)pyrene
Concen: 4.484 ng
RT: 15.368 min Scan# 2257
Delta R.T. -0.018 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

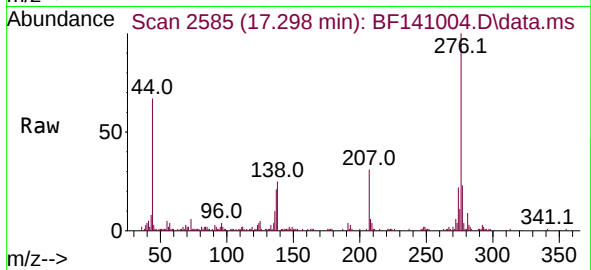
Tgt Ion:252 Resp: 132885
Ion Ratio Lower Upper
252 100
253 23.1 17.2 25.8
125 12.0 9.8 14.8





#92
 Benzo(g,h,i)perylene
 Concen: 2.086 ng
 RT: 17.298 min Scan# 21
 Delta R.T. -0.035 min
 Lab File: BF141004.D
 Acq: 27 Dec 2024 18:39

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1



Tgt Ion:276 Resp: 60508
 Ion Ratio Lower Upper
 276 100
 277 23.3 19.0 28.4
 138 24.7 19.4 29.2

