

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
 Data File : BF141014.D
 Acq On : 27 Dec 2024 23:02
 Operator : RC/JU
 Sample : P5355-01RE
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR251688RE

Quant Time: Dec 28 00:25:18 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)

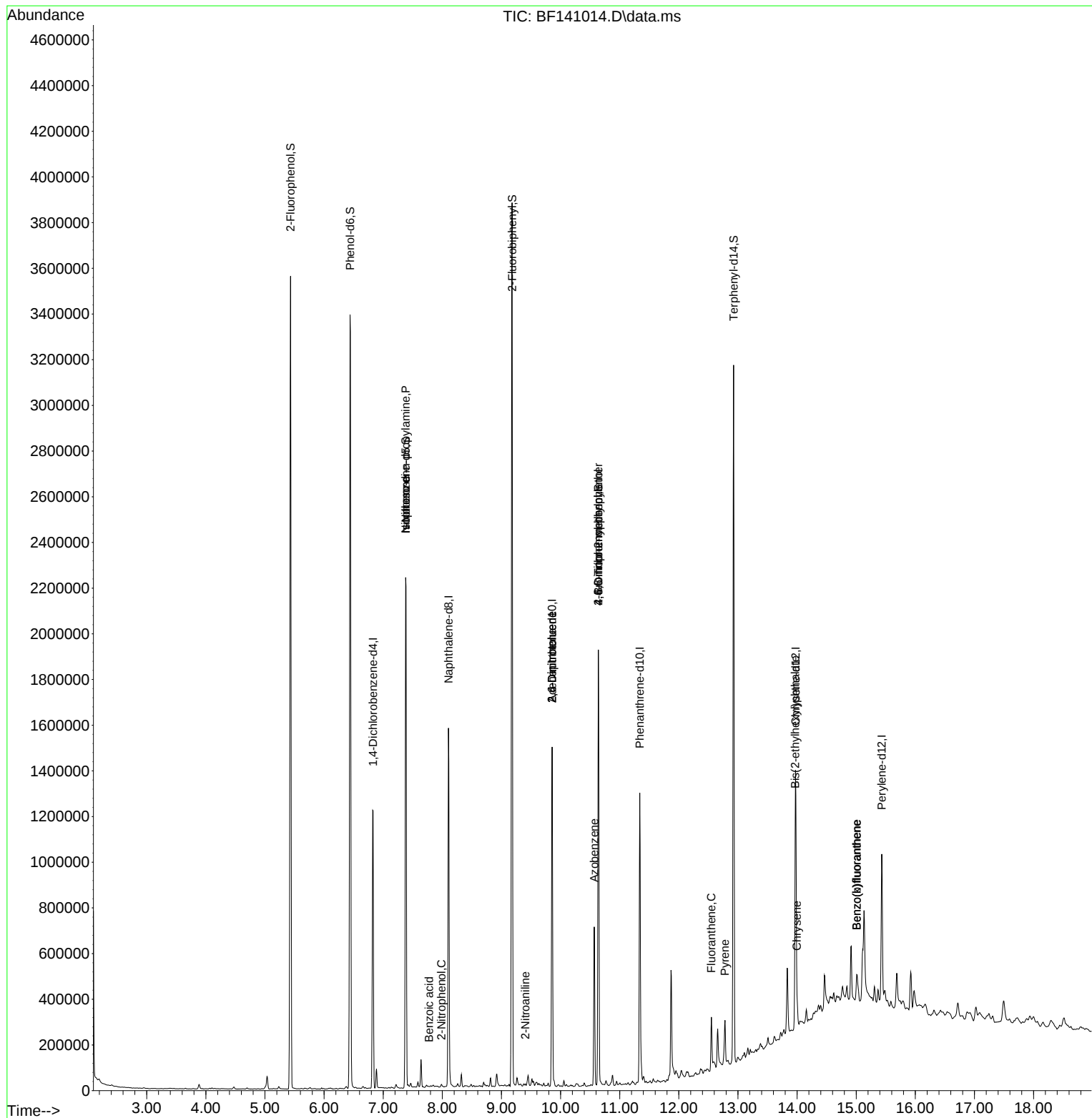
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	256969	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	951990	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	425887	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	604889	20.000	ng	0.00
76) Chrysene-d12	13.974	240	454564	20.000	ng	-0.01
86) Perylene-d12	15.433	264	361564	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1349834	79.181	ng	0.00
7) Phenol-d6	6.439	99	1652567	75.251	ng	-0.01
23) Nitrobenzene-d5	7.381	82	1006775	67.660	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	317347	76.684	ng	-0.01
45) 2-Fluorobiphenyl	9.180	172	1680509	62.868	ng	0.00
79) Terphenyl-d14	12.927	244	1447682	52.899	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.369	77	1126	Below Cal		94
19) n-Nitroso-di-n-propyla...	7.381	70	135244	10.052 ng	#	80
25) Isophorone	7.381	82	1000936	30.913 ng	#	65
26) 2-Nitrophenol	7.986	139	231	5.332 ng	#	1
32) Benzoic acid	7.775	122	421	7.729 ng	#	57
48) 2-Nitroaniline	9.404	65	1136	4.799 ng	#	6
51) 2,6-Dinitrotoluene	9.857	165	56101	12.727 ng	#	23
57) 2,4-Dinitrotoluene	9.857	165	56102	11.772 ng	#	21
63) Azobenzene	10.569	77	169636	5.844 ng	#	1
65) 4,6-Dinitro-2-methylph...	10.639	198	733	9.588 ng	#	1
67) 4-Bromophenyl-phenylether	10.639	248	19718	3.015 ng	#	1
75) Fluoranthene	12.551	202	121747	3.526 ng		98
78) Pyrene	12.780	202	104732	2.634 ng		98
83) Chrysene	13.998	228	58055	2.033 ng		97
84) Bis(2-ethylhexyl)phtha...	13.968	149	64792	3.441 ng		99
88) Benzo(b)fluoranthene	15.009	252	86990	3.450 ng	#	93
89) Benzo(k)fluoranthene	15.009	252	86990	4.401 ng	#	94

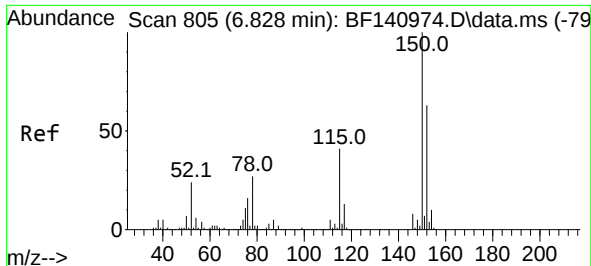
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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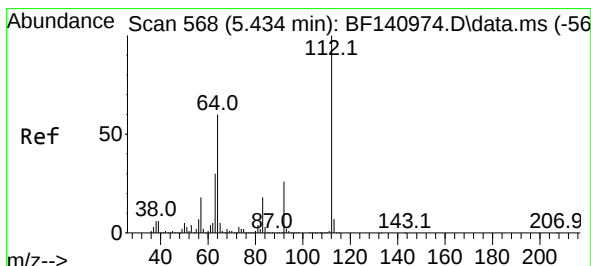
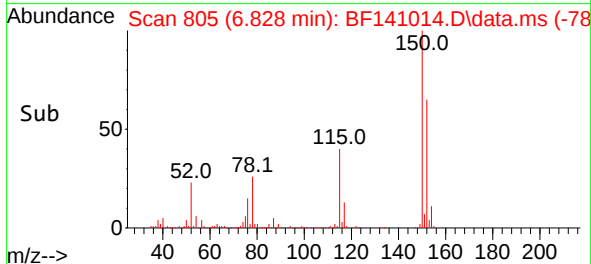
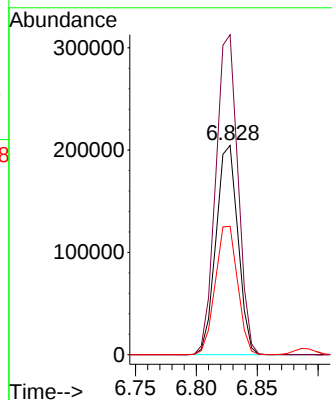
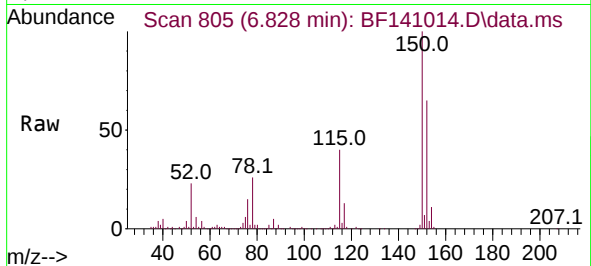




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.828 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF141014.D
 Acq: 27 Dec 2024 23:02

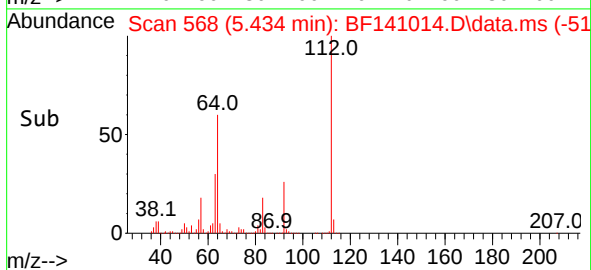
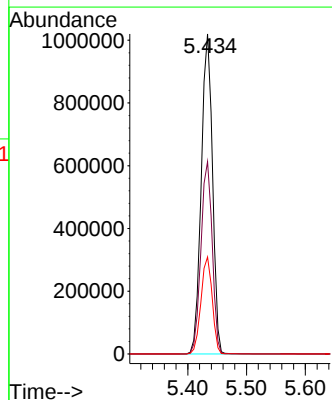
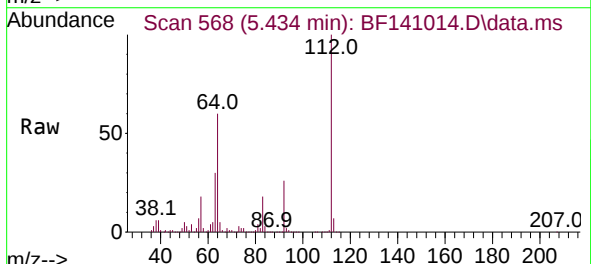
Instrument :
 BNA_F
 ClientSampleId :
 RBR251688RE

Tgt Ion:152 Resp: 256969
 Ion Ratio Lower Upper
 152 100
 150 152.9 127.0 190.6
 115 61.3 51.7 77.5



#5
 2-Fluorophenol
 Concen: 79.181 ng
 RT: 5.434 min Scan# 568
 Delta R.T. -0.000 min
 Lab File: BF141014.D
 Acq: 27 Dec 2024 23:02

Tgt Ion:112 Resp: 1349834
 Ion Ratio Lower Upper
 112 100
 64 60.1 47.7 71.5
 63 30.3 24.2 36.2

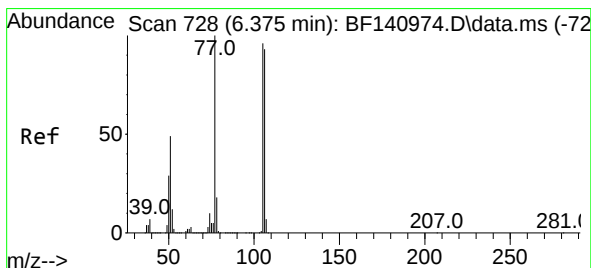
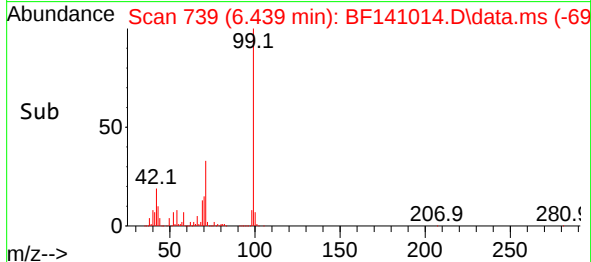
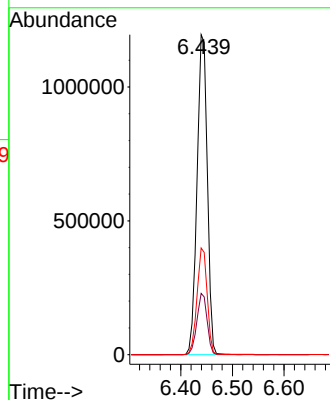
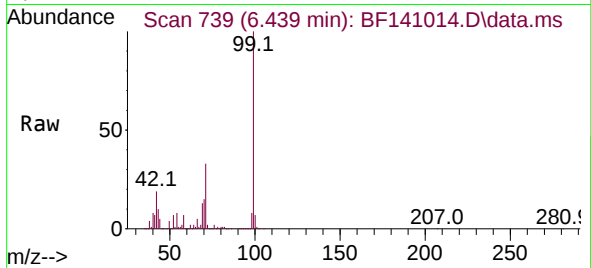




#7
Phenol-d6
Concen: 75.251 ng
RT: 6.439 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141014.D
Acq: 27 Dec 2024 23:02

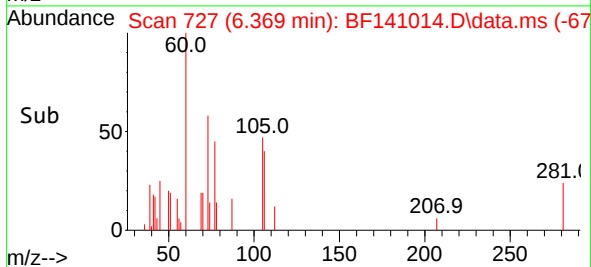
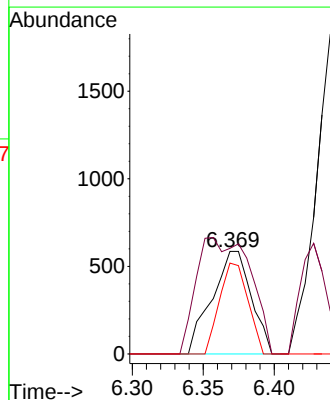
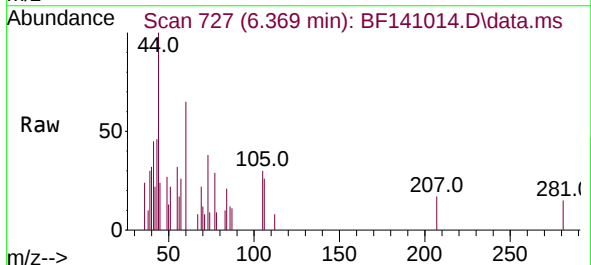
Instrument :
BNA_F
ClientSampleId :
RBR251688RE

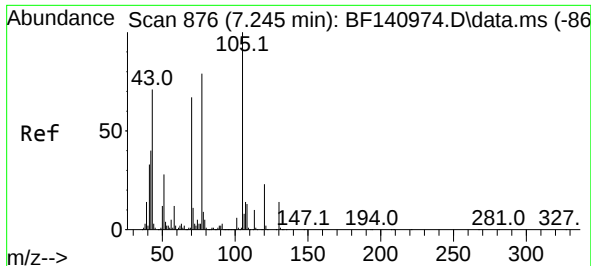
Tgt Ion: 99 Resp: 1652567
Ion Ratio Lower Upper
99 100
42 19.2 15.0 22.4
71 33.4 26.2 39.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.369 min Scan# 727
Delta R.T. -0.006 min
Lab File: BF141014.D
Acq: 27 Dec 2024 23:02

Tgt Ion: 77 Resp: 1126
Ion Ratio Lower Upper
77 100
105 103.1 76.2 116.2
106 88.7 73.4 113.4

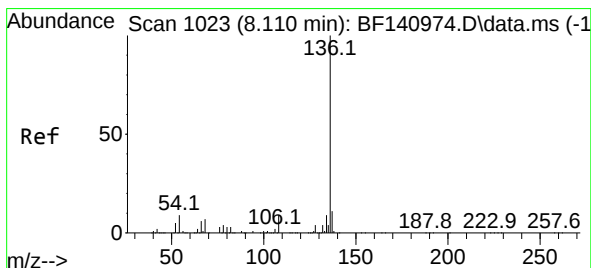
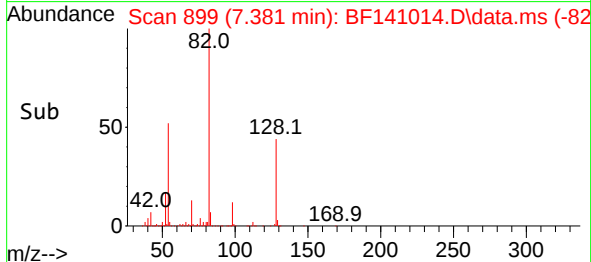
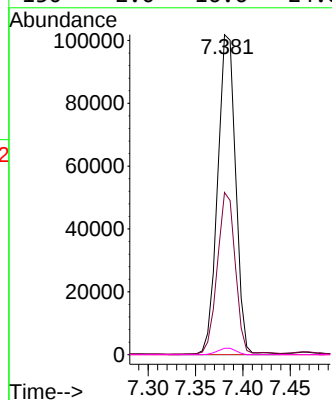
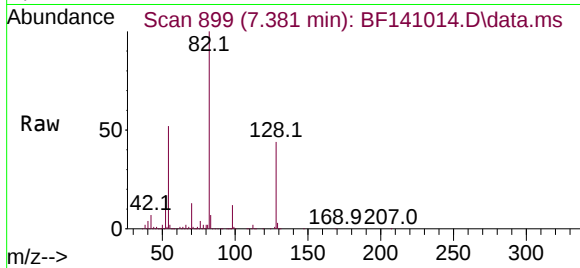




#19
n-Nitroso-di-n-propylamine
Concen: 10.052 ng
RT: 7.381 min Scan# 899
Delta R.T. 0.135 min
Lab File: BF141014.D
Acq: 27 Dec 2024 23:02

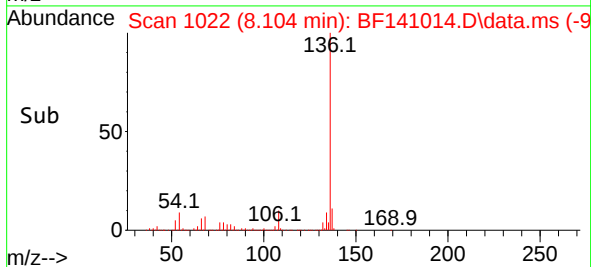
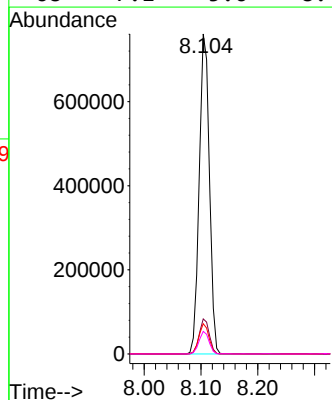
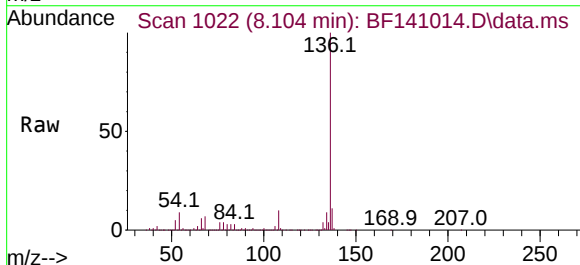
Instrument :
BNA_F
ClientSampleId :
RBR251688RE

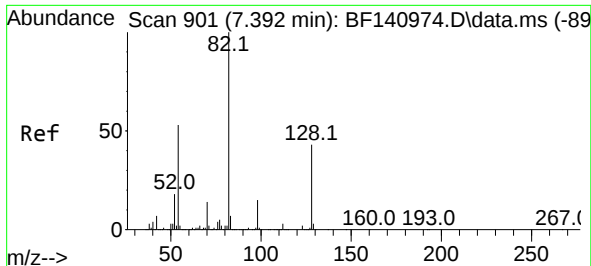
Tgt Ion: 70 Resp: 135244
Ion Ratio Lower Upper
70 100
42 50.7 48.1 72.1
101 0.0 7.6 11.4#
130 2.0 16.6 24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141014.D
Acq: 27 Dec 2024 23:02

Tgt Ion:136 Resp: 951990
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 9.5 7.6 11.4
68 7.1 5.6 8.4





#23

Nitrobenzene-d5

Concen: 67.660 ng

RT: 7.381 min Scan# 899

Delta R.T. -0.012 min

Lab File: BF141014.D

Acq: 27 Dec 2024 23:02

Instrument :

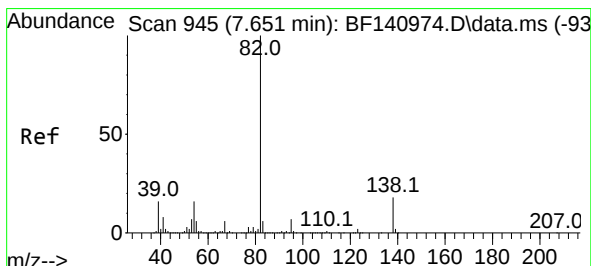
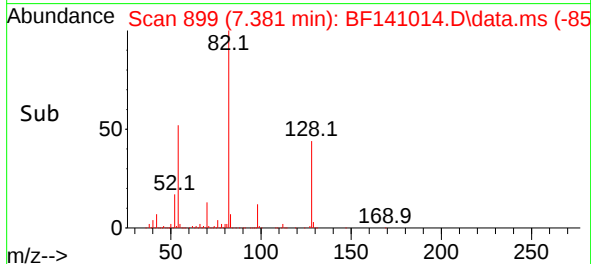
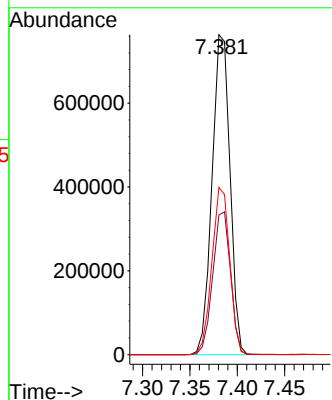
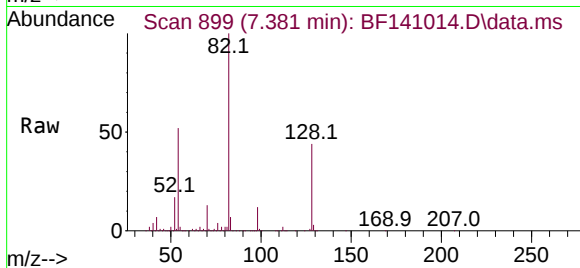
BNA_F

ClientSampleId :

RBR251688RE

Tgt Ion: 82 Resp: 1006775

Ion	Ratio	Lower	Upper
82	100		
128	43.7	34.4	51.6
54	52.3	42.4	63.6



#25

Isophorone

Concen: 30.913 ng

RT: 7.381 min Scan# 899

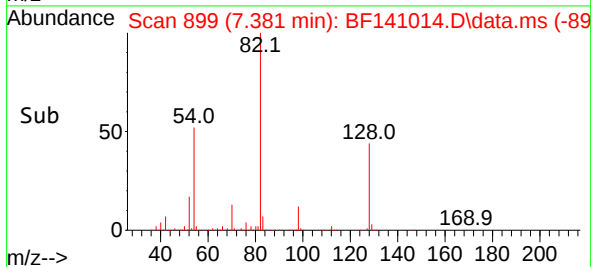
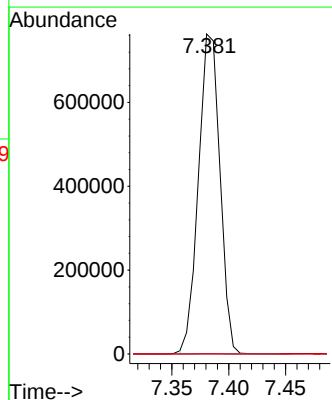
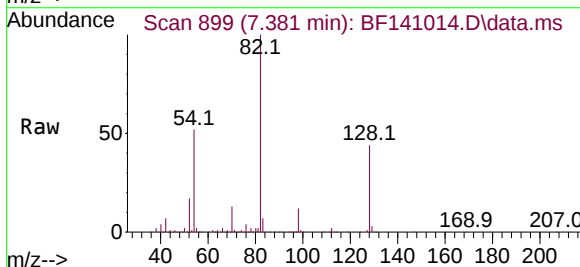
Delta R.T. -0.271 min

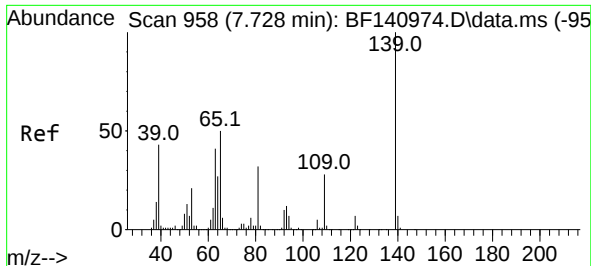
Lab File: BF141014.D

Acq: 27 Dec 2024 23:02

Tgt Ion: 82 Resp: 1000936

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.6	21.8#

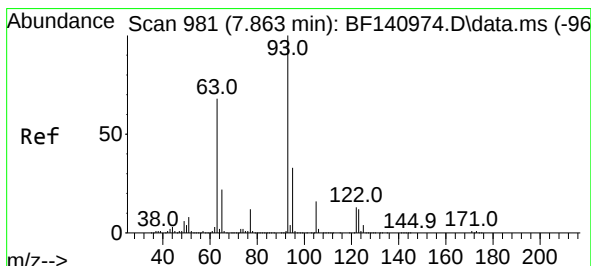
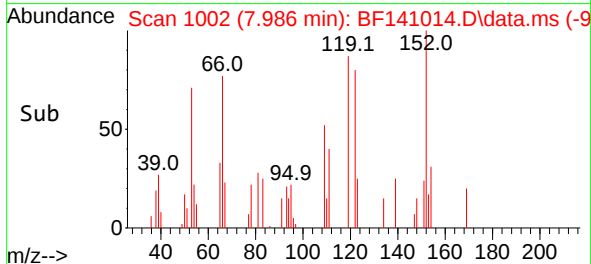
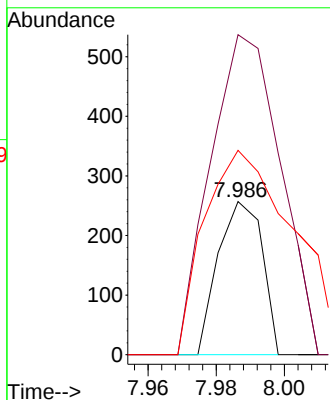
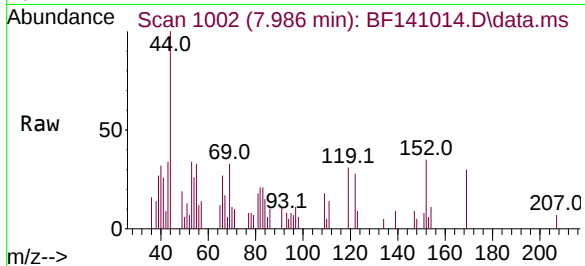




#26
2-Nitrophenol
Concen: 5.332 ng
RT: 7.986 min Scan# 1002
Delta R.T. 0.258 min
Lab File: BF141014.D
Acq: 27 Dec 2024 23:02

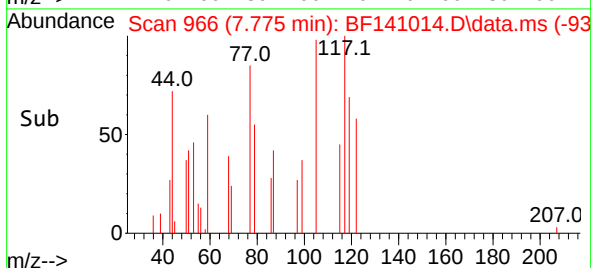
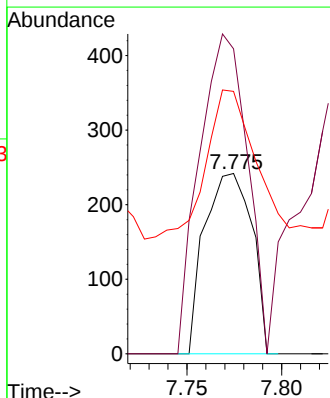
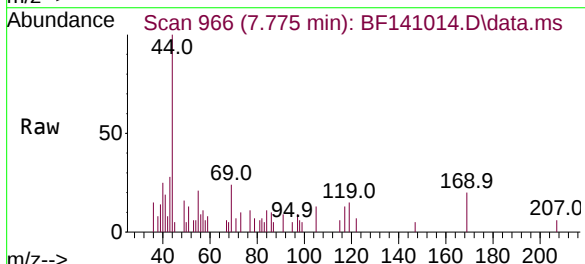
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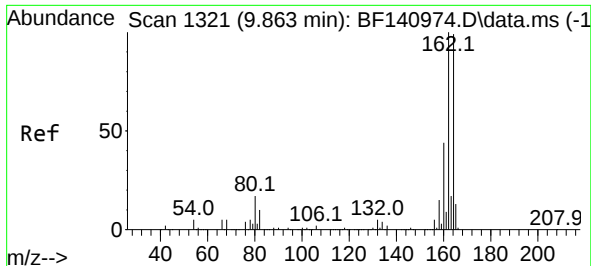
Tgt Ion:139 Resp: 231
Ion Ratio Lower Upper
139 100
109 208.9 22.2 33.4#
65 133.5 40.2 60.4#



#32
Benzoic acid
Concen: 7.729 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.088 min
Lab File: BF141014.D
Acq: 27 Dec 2024 23:02

Tgt Ion:122 Resp: 421
Ion Ratio Lower Upper
122 100
105 169.0 105.4 145.4#
77 145.5 76.4 116.4#

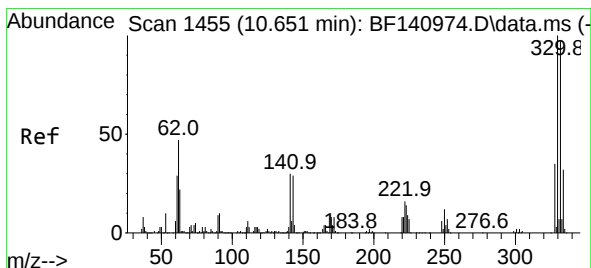
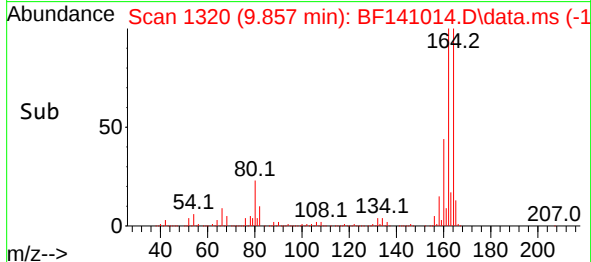
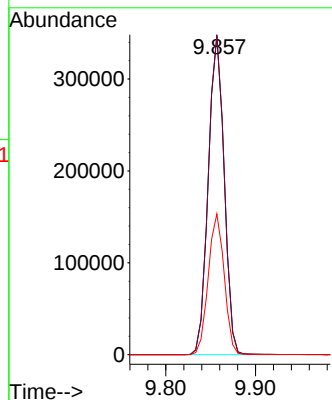
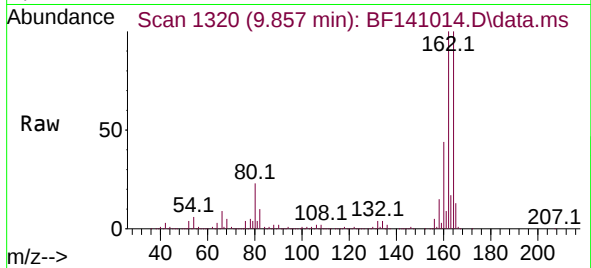




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141014.D
Acq: 27 Dec 2024 23:02

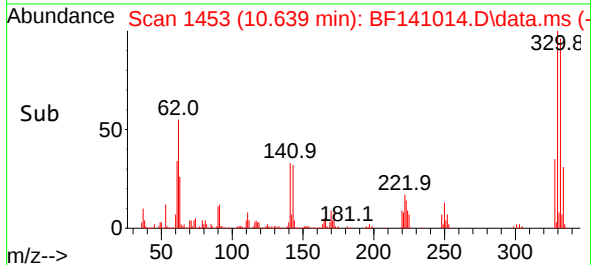
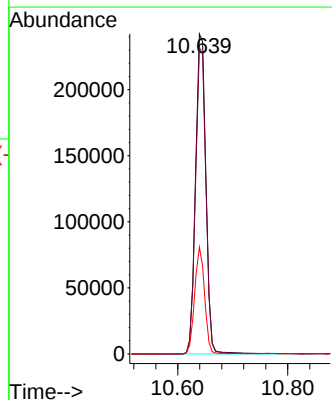
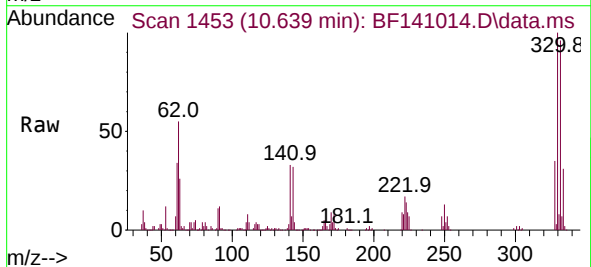
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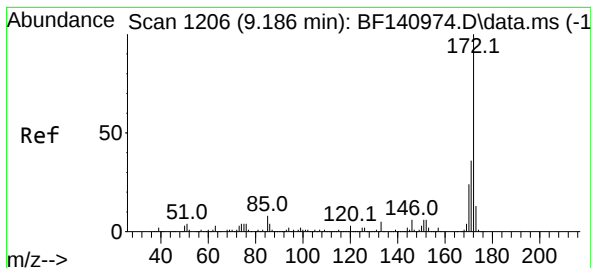
Tgt Ion:164 Resp: 425887
Ion Ratio Lower Upper
164 100
162 100.5 80.6 120.8
160 44.2 35.7 53.5



#42
2,4,6-Tribromophenol
Concen: 76.684 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF141014.D
Acq: 27 Dec 2024 23:02

Tgt Ion:330 Resp: 317347
Ion Ratio Lower Upper
330 100
332 96.0 78.0 117.0
141 32.3 26.4 39.6





#45

2-Fluorobiphenyl

Concen: 62.868 ng

RT: 9.180 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141014.D

Acq: 27 Dec 2024 23:02

Instrument :

BNA_F

ClientSampleId :

RBR251688RE

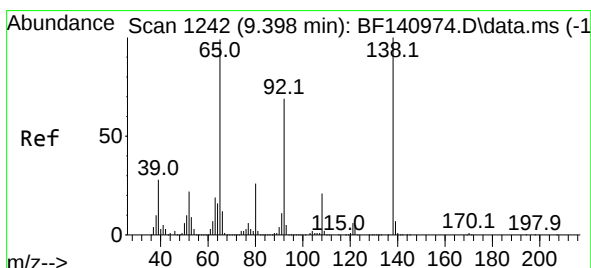
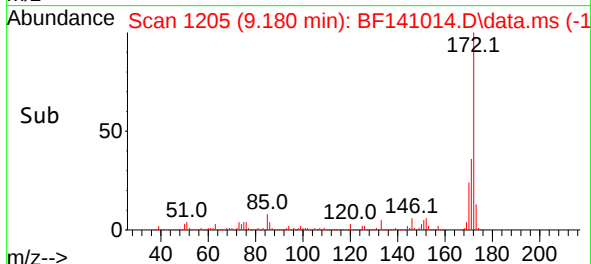
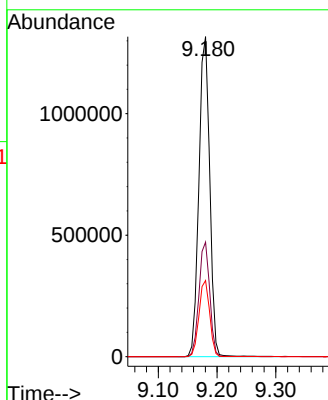
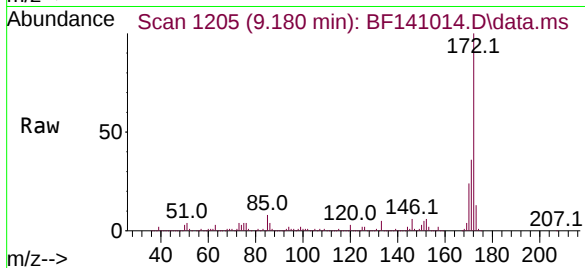
Tgt Ion:172 Resp: 1680509

Ion Ratio Lower Upper

172 100

171 35.8 29.0 43.4

170 23.8 19.6 29.4



#48

2-Nitroaniline

Concen: 4.799 ng

RT: 9.404 min Scan# 1243

Delta R.T. 0.006 min

Lab File: BF141014.D

Acq: 27 Dec 2024 23:02

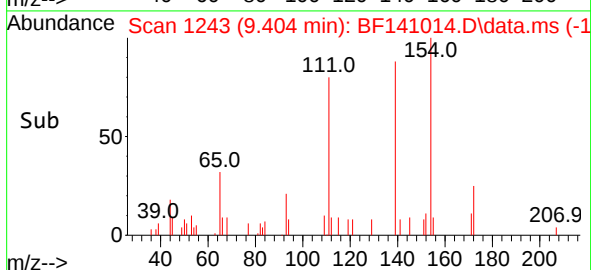
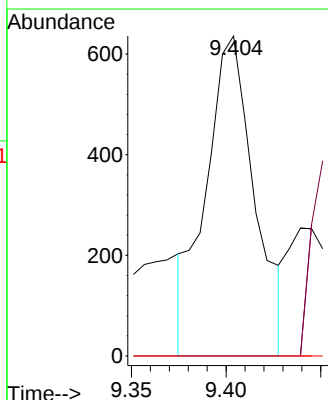
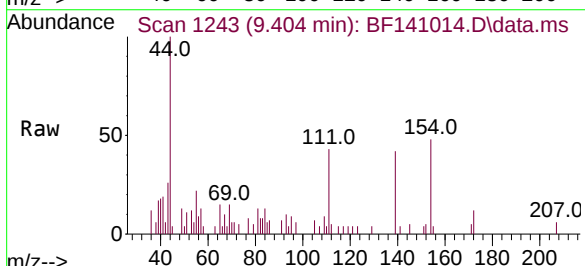
Tgt Ion: 65 Resp: 1136

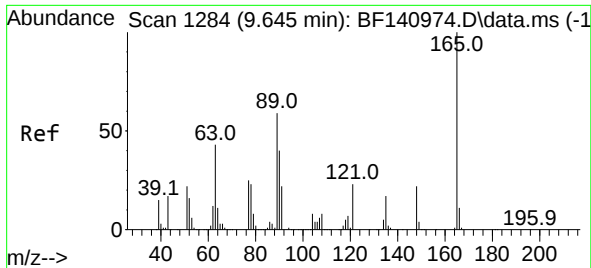
Ion Ratio Lower Upper

65 100

92 0.0 55.6 83.4#

138 0.0 80.5 120.7#

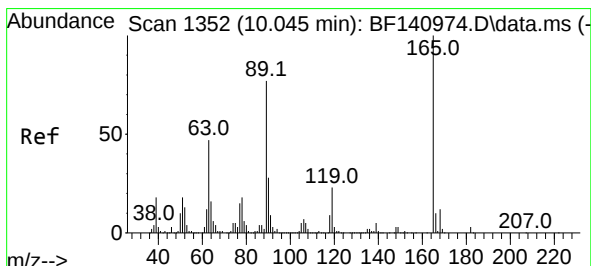
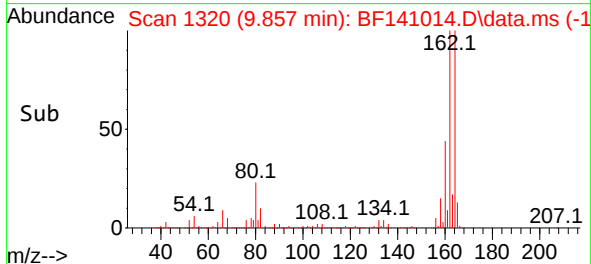
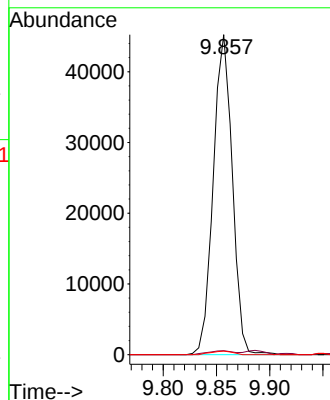
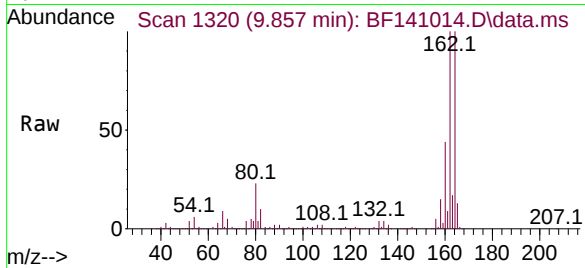




#51
2,6-Dinitrotoluene
Concen: 12.727 ng
RT: 9.857 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF141014.D
Acq: 27 Dec 2024 23:02

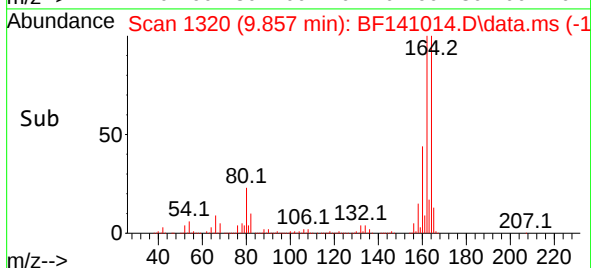
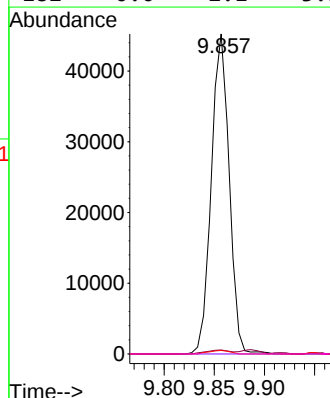
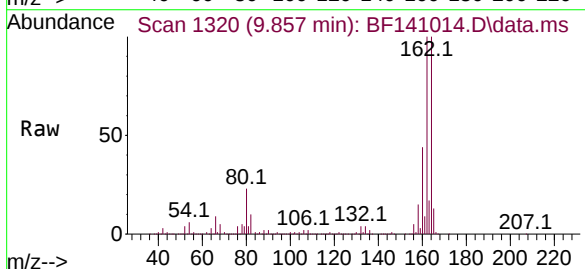
Instrument :
BNA_F
ClientSampleId :
RBR251688RE

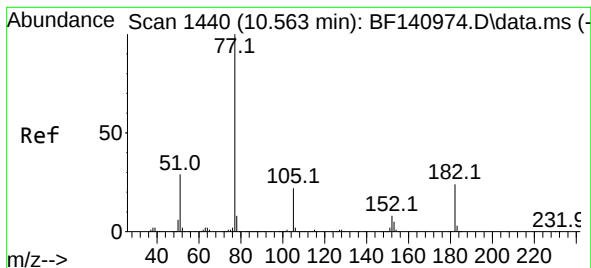
Tgt Ion:165 Resp: 56101
Ion Ratio Lower Upper
165 100
63 1.2 47.1 70.7#
89 1.1 47.0 70.4#



#57
2,4-Dinitrotoluene
Concen: 11.772 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.188 min
Lab File: BF141014.D
Acq: 27 Dec 2024 23:02

Tgt Ion:165 Resp: 56102
Ion Ratio Lower Upper
165 100
63 1.2 38.1 57.1#
89 1.1 61.4 92.2#
182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 5.844 ng

RT: 10.569 min Scan# 1440

Delta R.T. 0.006 min

Lab File: BF141014.D

Acq: 27 Dec 2024 23:02

Instrument :

BNA_F

ClientSampleId :

RBR251688RE

Tgt Ion: 77 Resp: 169636

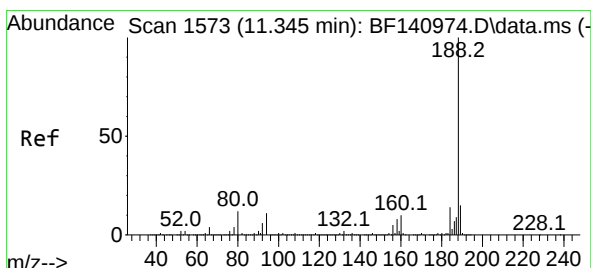
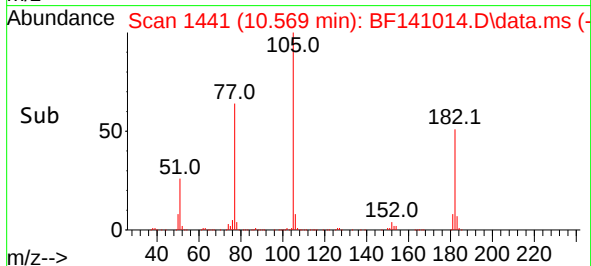
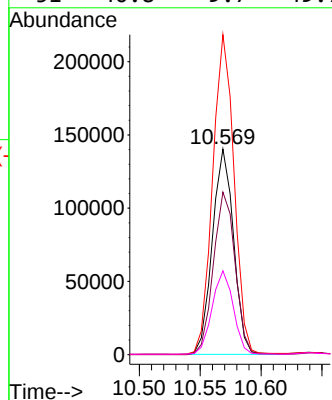
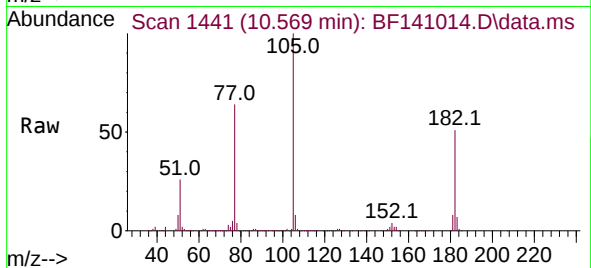
Ion Ratio Lower Upper

77 100

182 79.1 4.1 44.1#

105 155.6 1.8 41.8#

51 40.8 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: BF141014.D

Acq: 27 Dec 2024 23:02

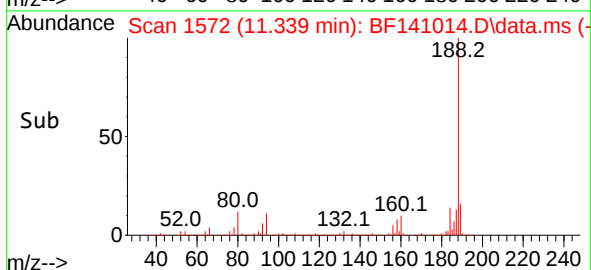
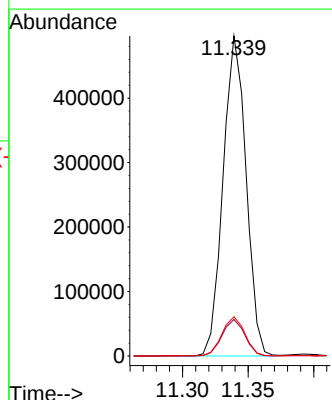
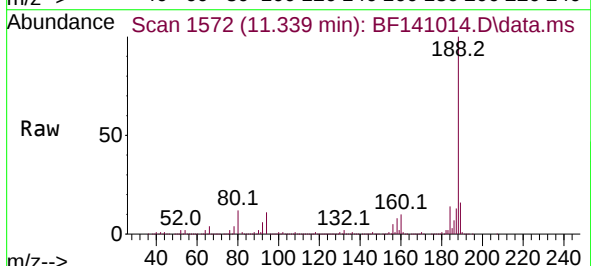
Tgt Ion: 188 Resp: 604889

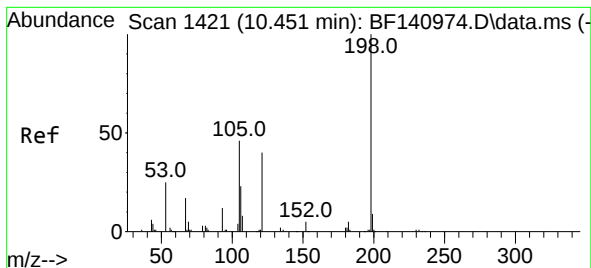
Ion Ratio Lower Upper

188 100

94 11.4 9.0 13.6

80 12.3 9.8 14.6

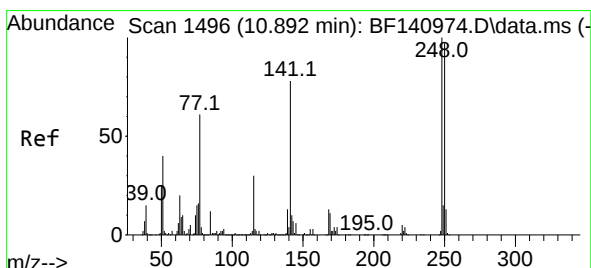
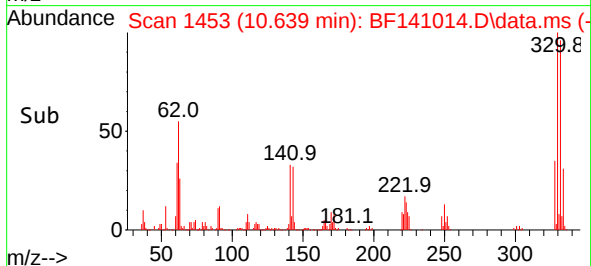
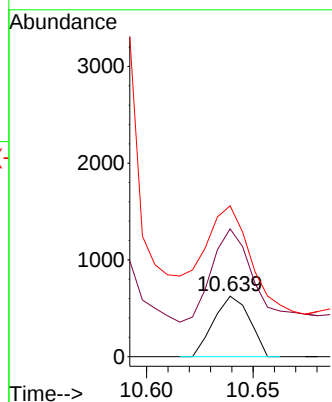
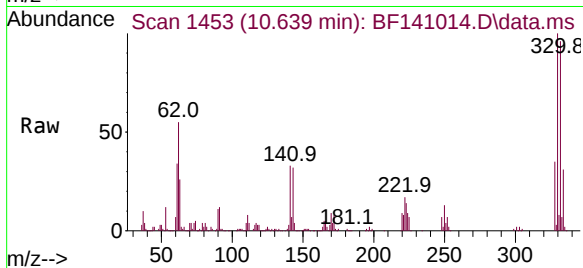




#65
4,6-Dinitro-2-methylphenol
Concen: 9.588 ng
RT: 10.639 min Scan# 1421
Delta R.T. 0.188 min
Lab File: BF141014.D
Acq: 27 Dec 2024 23:02

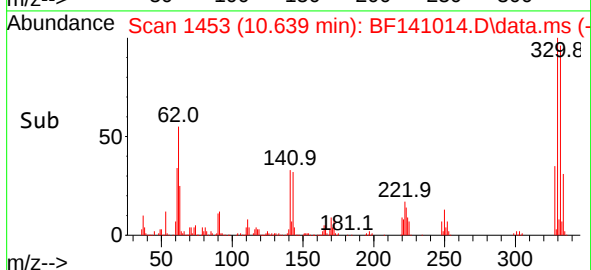
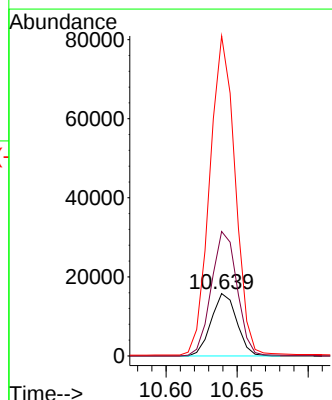
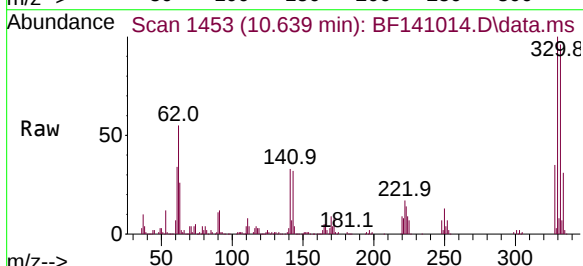
Instrument :
BNA_F
ClientSampleId :
RBR251688RE

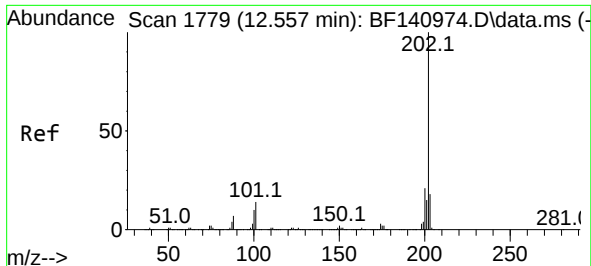
Tgt Ion:198 Resp: 733
Ion Ratio Lower Upper
198 100
51 211.5 32.3 72.3#
105 249.6 28.4 68.4#



#67
4-Bromophenyl-phenylether
Concen: 3.015 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.253 min
Lab File: BF141014.D
Acq: 27 Dec 2024 23:02

Tgt Ion:248 Resp: 19718
Ion Ratio Lower Upper
248 100
250 199.5 77.7 116.5#
141 512.7 62.1 93.1#

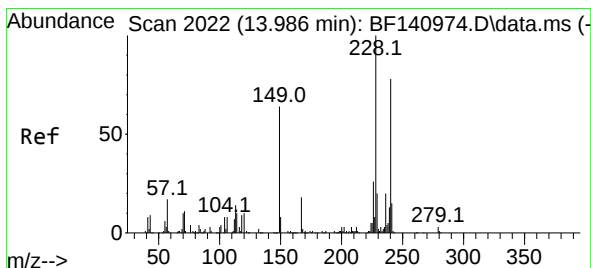
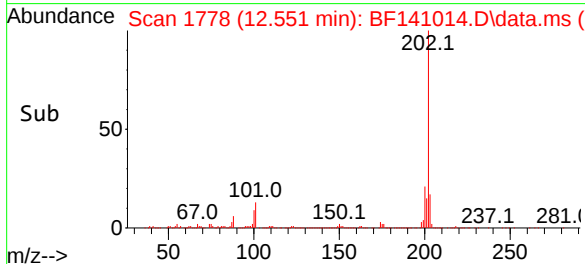
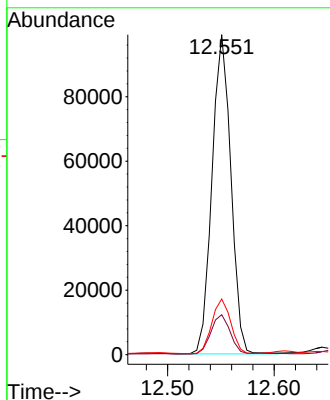
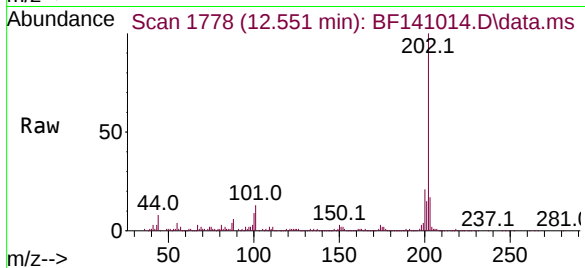




#75
Fluoranthene
Concen: 3.526 ng
RT: 12.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141014.D
Acq: 27 Dec 2024 23:02

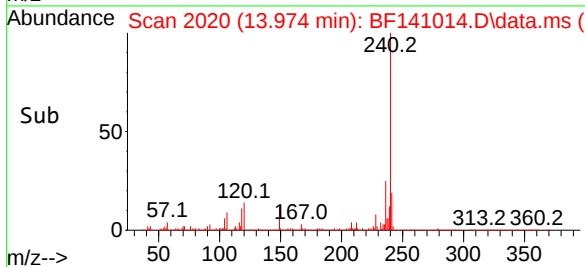
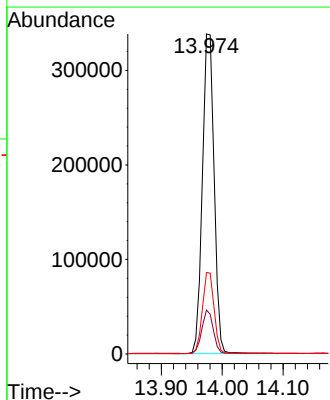
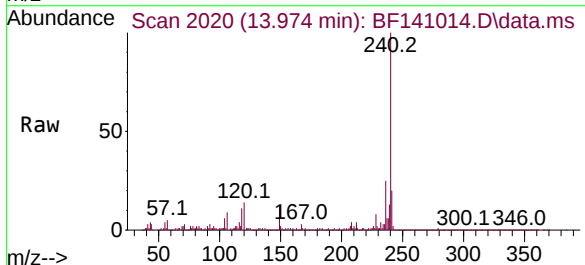
Instrument :
BNA_F
ClientSampleId :
RBR251688RE

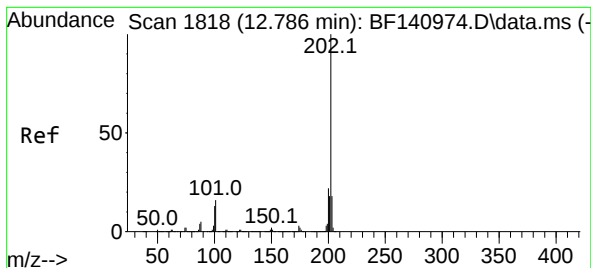
Tgt Ion:202 Resp: 121747
Ion Ratio Lower Upper
202 100
101 12.5 0.0 33.7
203 17.4 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF141014.D
Acq: 27 Dec 2024 23:02

Tgt Ion:240 Resp: 454564
Ion Ratio Lower Upper
240 100
120 13.7 10.7 16.1
236 25.4 20.6 31.0





#78

Pyrene

Concen: 2.634 ng

RT: 12.780 min Scan# 1818

Delta R.T. -0.006 min

Lab File: BF141014.D

Acq: 27 Dec 2024 23:02

Instrument :

BNA_F

ClientSampleId :

RBR251688RE

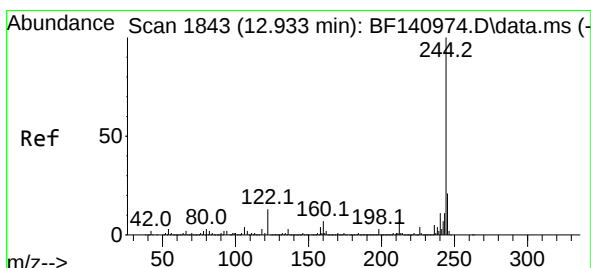
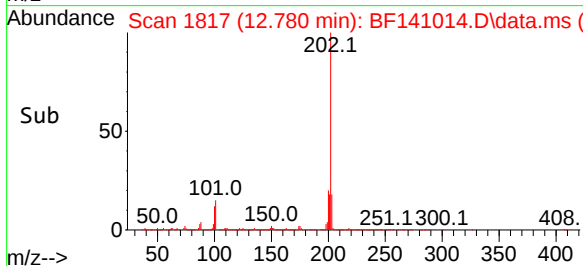
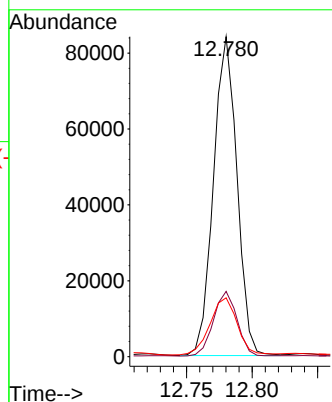
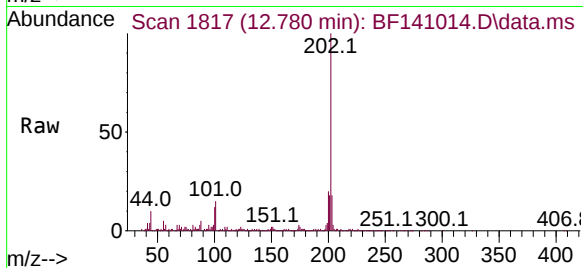
Tgt Ion:202 Resp: 104732

Ion Ratio Lower Upper

202 100

200 20.4 17.3 25.9

203 18.4 14.6 21.8



#79

Terphenyl-d14

Concen: 52.899 ng

RT: 12.927 min Scan# 1842

Delta R.T. -0.006 min

Lab File: BF141014.D

Acq: 27 Dec 2024 23:02

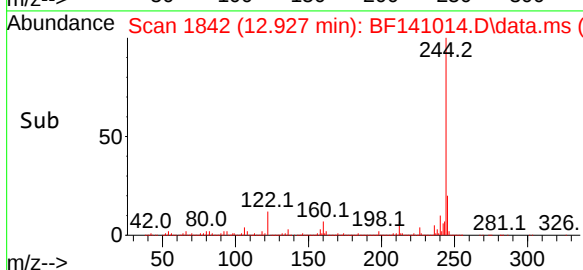
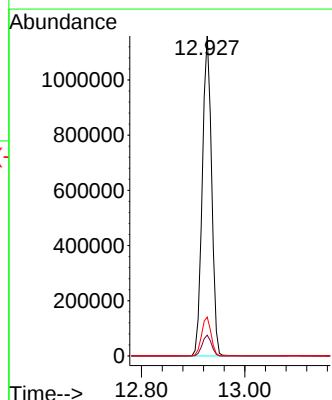
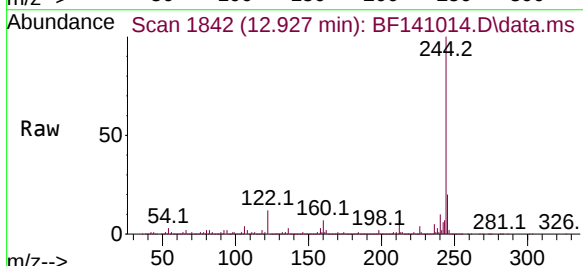
Tgt Ion:244 Resp: 1447682

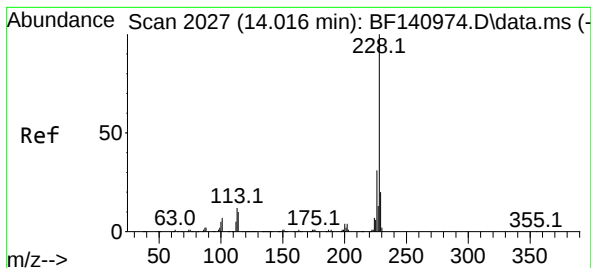
Ion Ratio Lower Upper

244 100

212 6.5 5.7 8.5

122 12.2 10.2 15.2





#83

Chrysene

Concen: 2.033 ng

RT: 13.998 min Scan# 2019

Delta R.T. -0.018 min

Lab File: BF141014.D

Acq: 27 Dec 2024 23:02

Instrument :

BNA_F

ClientSampleId :

RBR251688RE

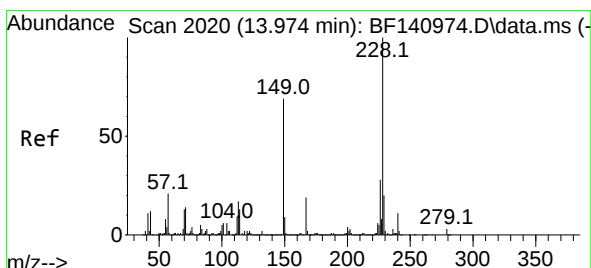
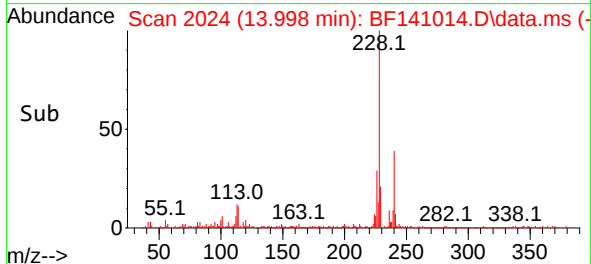
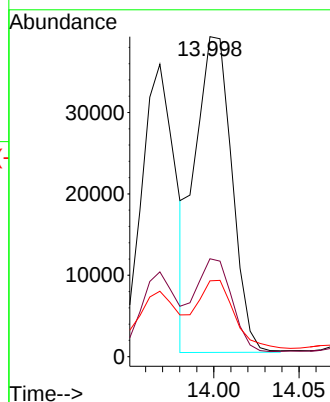
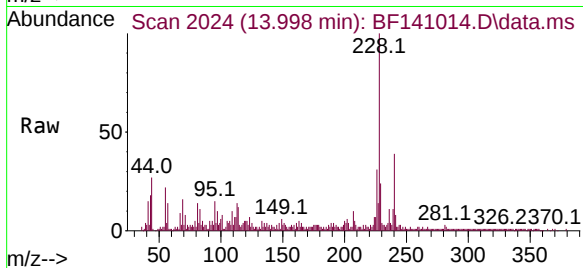
Tgt Ion:228 Resp: 58055

Ion Ratio Lower Upper

228 100

226 30.6 24.5 36.7

229 23.7 16.2 24.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.441 ng

RT: 13.968 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF141014.D

Acq: 27 Dec 2024 23:02

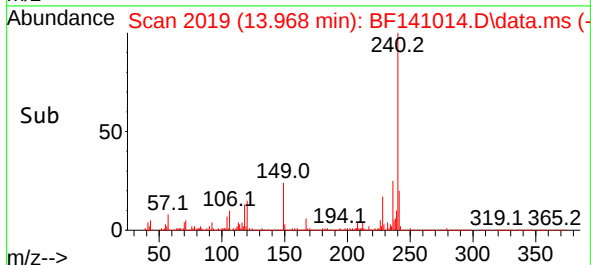
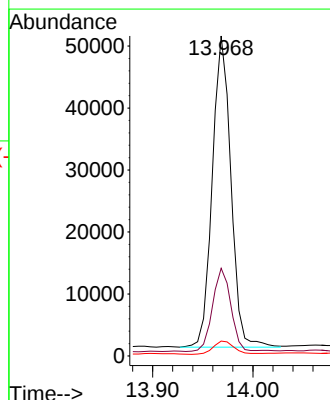
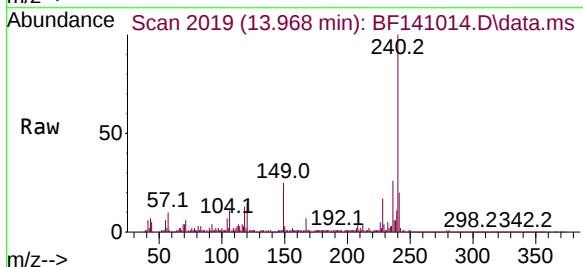
Tgt Ion:149 Resp: 64792

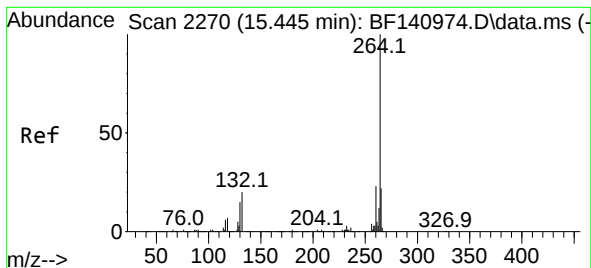
Ion Ratio Lower Upper

149 100

167 27.4 21.6 32.4

279 4.7 3.2 4.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF141014.D

Acq: 27 Dec 2024 23:02

Instrument :

BNA_F

ClientSampleId :

RBR251688RE

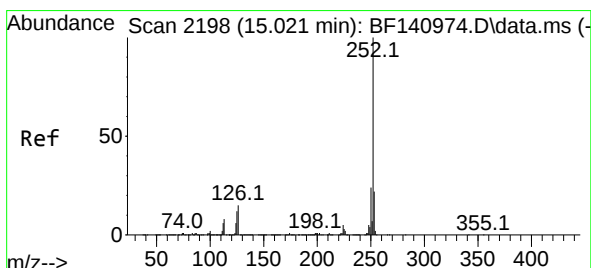
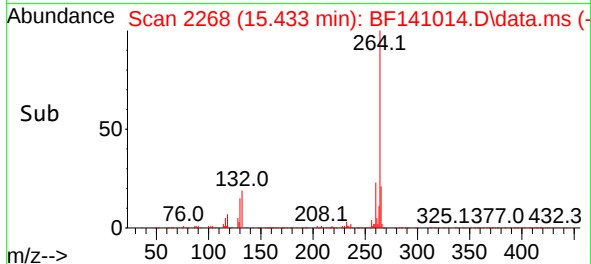
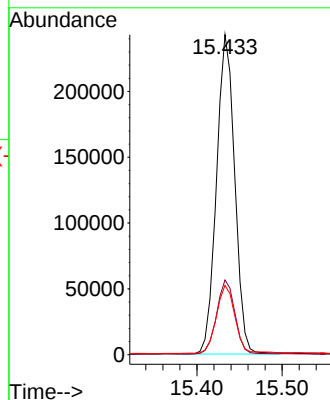
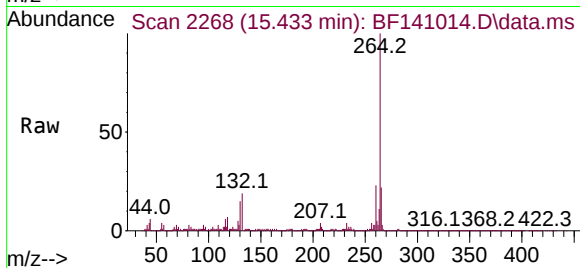
Tgt Ion:264 Resp: 361564

Ion Ratio Lower Upper

264 100

260 23.3 18.7 28.1

265 21.6 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 3.450 ng

RT: 15.009 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF141014.D

Acq: 27 Dec 2024 23:02

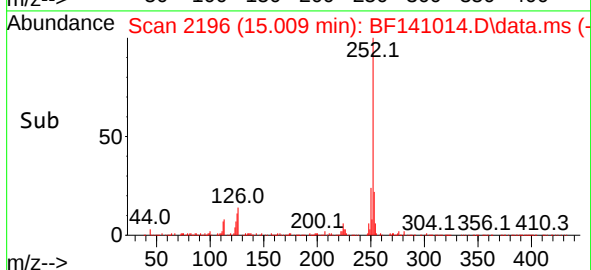
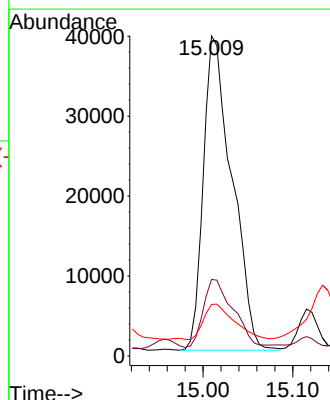
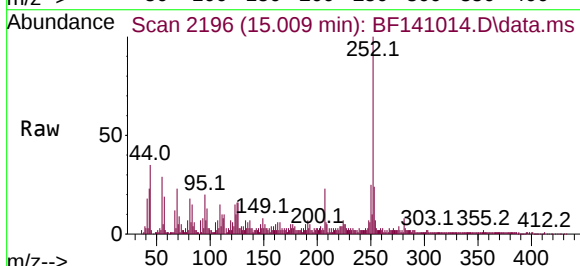
Tgt Ion:252 Resp: 86990

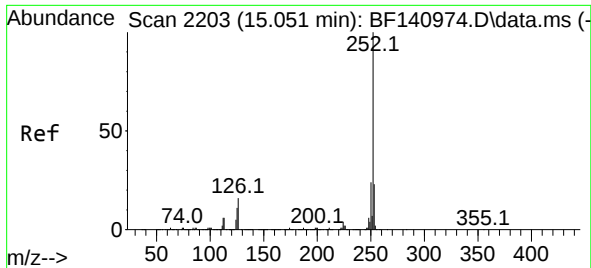
Ion Ratio Lower Upper

252 100

253 23.9 17.7 26.5

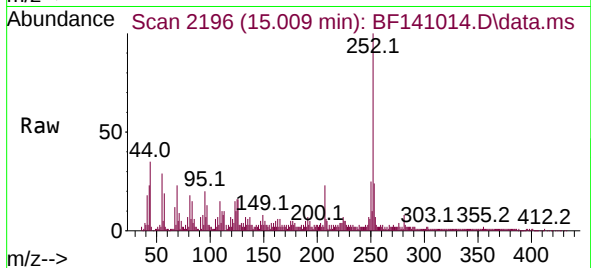
125 16.1 9.3 13.9#





#89
Benzo(k)fluoranthene
Concen: 4.401 ng
RT: 15.009 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF141014.D
Acq: 27 Dec 2024 23:02

Instrument :
BNA_F
ClientSampleId :
RBR251688RE



Tgt Ion:252 Resp: 86990
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.8
125 16.1 9.4 14.0#

