

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
 Data File : BF141012.D
 Acq On : 27 Dec 2024 22:10
 Operator : RC/JU
 Sample : P5330-01RE
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5RE

Quant Time: Dec 27 23:22:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 Response via : Initial Calibration

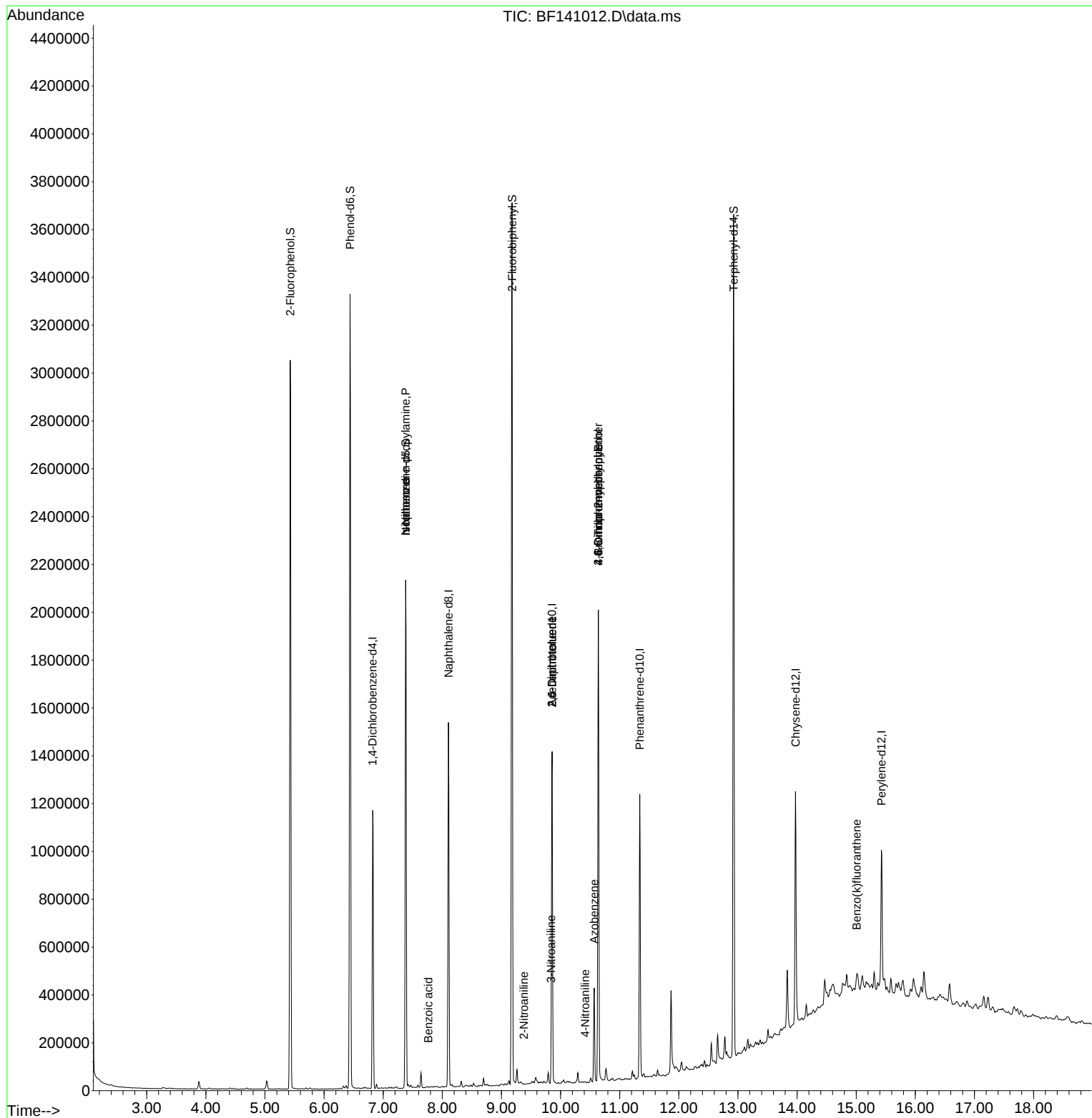
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	241645	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	904836	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	405268	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	570571	20.000	ng	0.00
76) Chrysene-d12	13.974	240	438379	20.000	ng	-0.01
86) Perylene-d12	15.427	264	332095	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	1158680	72.278	ng	0.00
7) Phenol-d6	6.439	99	1564353	75.751	ng	-0.01
23) Nitrobenzene-d5	7.381	82	928495	65.651	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	325502	82.656	ng	-0.01
45) 2-Fluorobiphenyl	9.180	172	1650159	64.873	ng	0.00
79) Terphenyl-d14	12.927	244	1693145	64.152	ng	0.00
Target Compounds						
9) Benzaldehyde	6.375	77	474	Below Cal		Qvalue 92
19) n-Nitroso-di-n-propyla...	7.381	70	124309	9.826 ng	#	79
25) Isophorone	7.381	82	921186	29.932 ng	#	65
32) Benzoic acid	7.763	122	245	7.715 ng	#	64
48) 2-Nitroaniline	9.380	65	368	4.697 ng	#	6
51) 2,6-Dinitrotoluene	9.857	165	53680	12.777 ng	#	23
53) 3-Nitroaniline	9.839	138	117	3.283 ng	#	1
57) 2,4-Dinitrotoluene	9.857	165	53680	11.813 ng	#	21
62) 4-Nitroaniline	10.416	138	56	3.355 ng	#	39
63) Azobenzene	10.569	77	97921	3.545 ng	#	1
65) 4,6-Dinitro-2-methylph...	10.639	198	743	9.606 ng	#	1
67) 4-Bromophenyl-phenylether	10.639	248	19779	3.207 ng	#	1
89) Benzo(k)fluoranthene	15.009	252	43668	2.406 ng	#	70

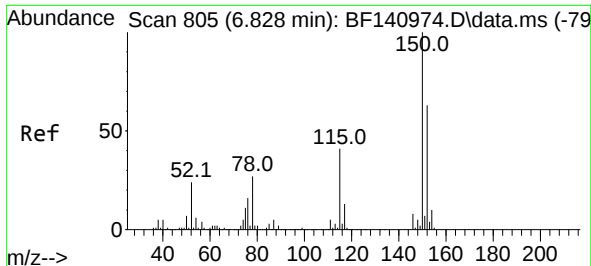
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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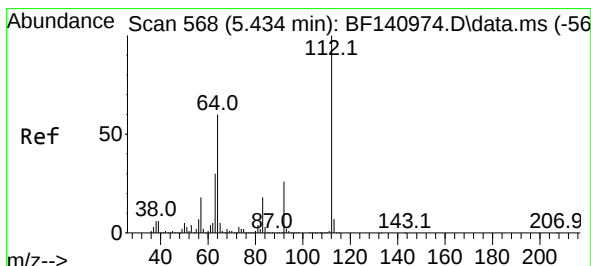
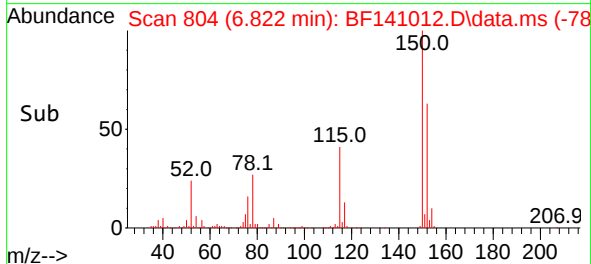
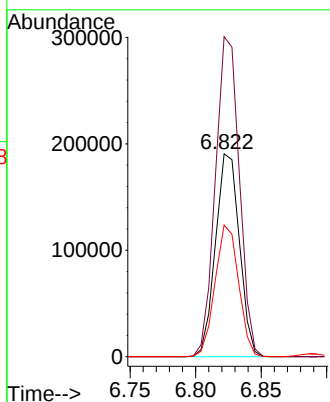
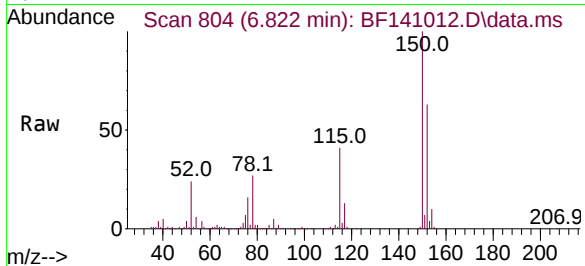




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.822 min Scan# 805
 Delta R.T. -0.006 min
 Lab File: BF141012.D
 Acq: 27 Dec 2024 22:10

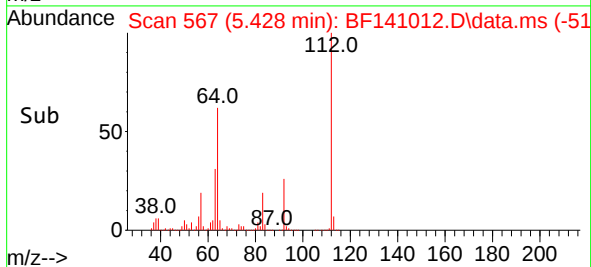
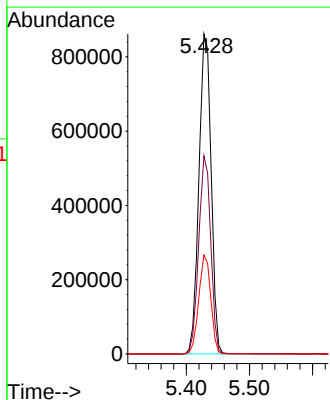
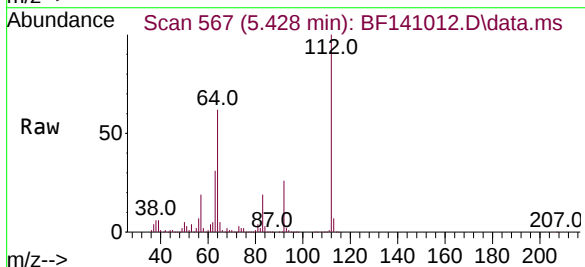
Instrument :
 BNA_F
 ClientSampleId :
 TP-5RE

Tgt Ion:152 Resp: 241645
 Ion Ratio Lower Upper
 152 100
 150 157.7 127.0 190.6
 115 64.9 51.7 77.5



#5
 2-Fluorophenol
 Concen: 72.278 ng
 RT: 5.428 min Scan# 567
 Delta R.T. -0.006 min
 Lab File: BF141012.D
 Acq: 27 Dec 2024 22:10

Tgt Ion:112 Resp: 1158680
 Ion Ratio Lower Upper
 112 100
 64 61.9 47.7 71.5
 63 30.9 24.2 36.2

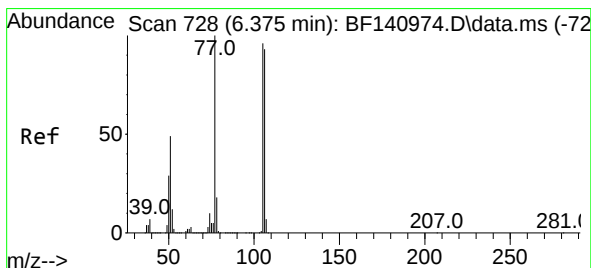
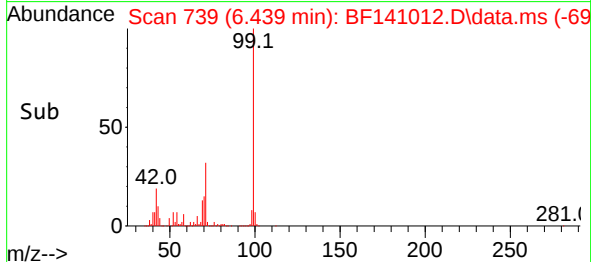
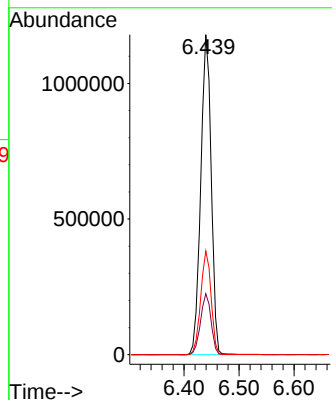
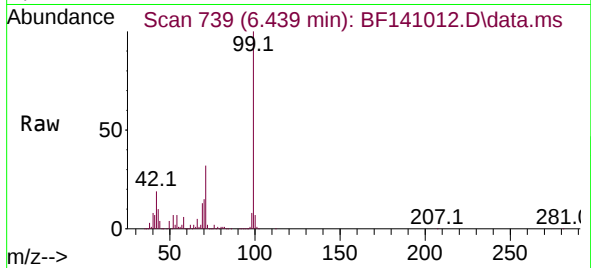




#7
Phenol-d6
Concen: 75.751 ng
RT: 6.439 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF141012.D
Acq: 27 Dec 2024 22:10

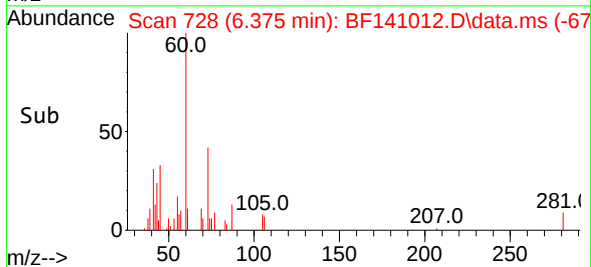
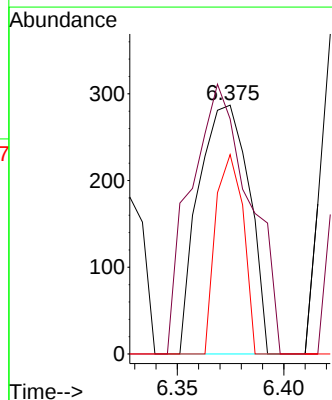
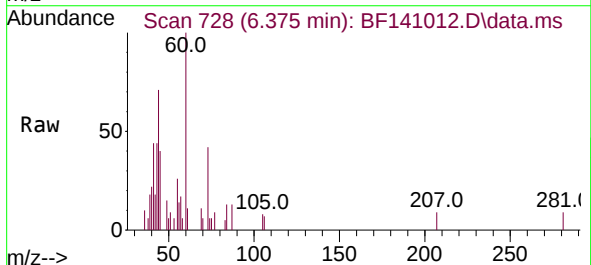
Instrument :
BNA_F
ClientSampleId :
TP-5RE

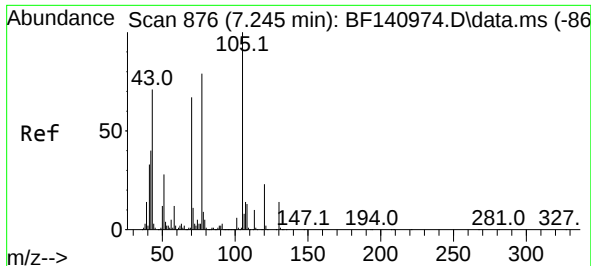
Tgt Ion: 99 Resp: 1564353
Ion Ratio Lower Upper
99 100
42 19.1 15.0 22.4
71 32.4 26.2 39.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.375 min Scan# 728
Delta R.T. -0.000 min
Lab File: BF141012.D
Acq: 27 Dec 2024 22:10

Tgt Ion: 77 Resp: 474
Ion Ratio Lower Upper
77 100
105 94.4 76.2 116.2
106 80.1 73.4 113.4

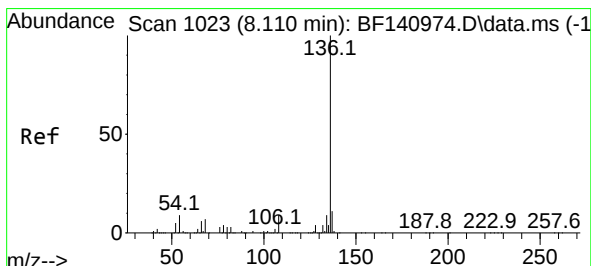
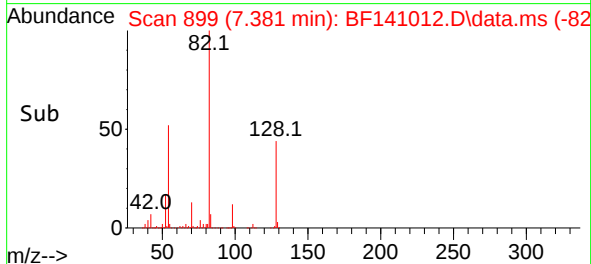
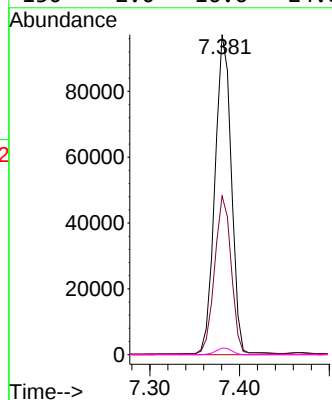
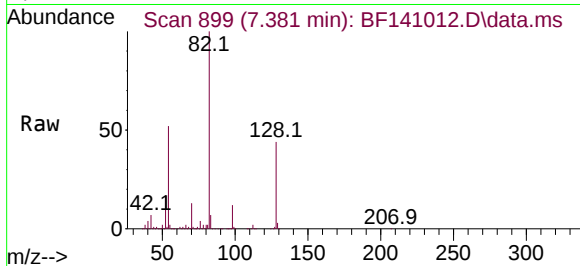




#19
n-Nitroso-di-n-propylamine
Concen: 9.826 ng
RT: 7.381 min Scan# 899
Delta R.T. 0.135 min
Lab File: BF141012.D
Acq: 27 Dec 2024 22:10

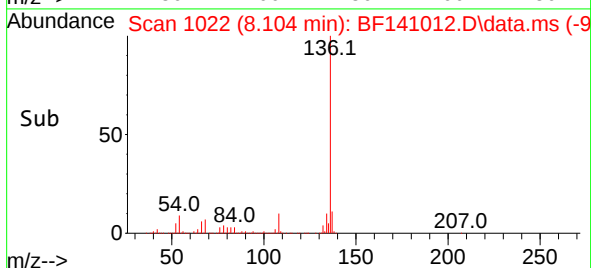
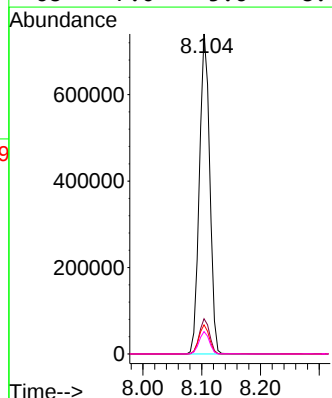
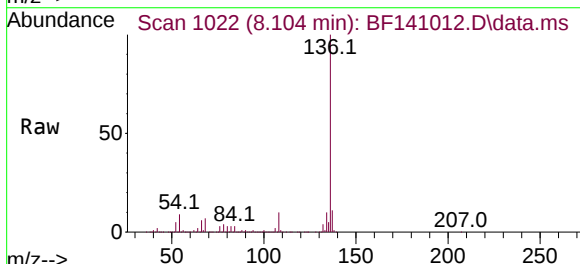
Instrument :
BNA_F
ClientSampleId :
TP-5RE

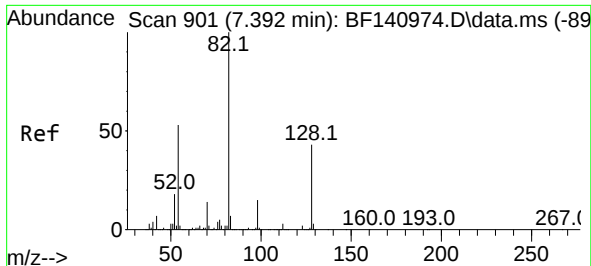
Tgt Ion: 70 Resp: 124309
Ion Ratio Lower Upper
70 100
42 49.6 48.1 72.1
101 0.0 7.6 11.4#
130 2.0 16.6 24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141012.D
Acq: 27 Dec 2024 22:10

Tgt Ion: 136 Resp: 904836
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 9.1 7.6 11.4
68 7.0 5.6 8.4





#23

Nitrobenzene-d5

Concen: 65.651 ng

RT: 7.381 min Scan# 899

Delta R.T. -0.012 min

Lab File: BF141012.D

Acq: 27 Dec 2024 22:10

Instrument :

BNA_F

ClientSampleId :

TP-5RE

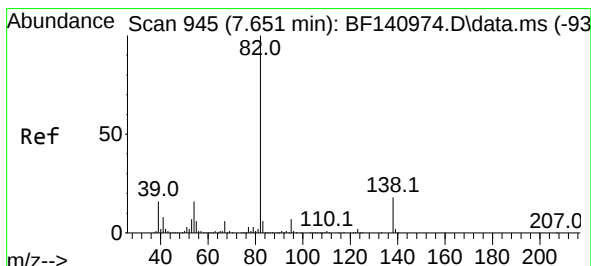
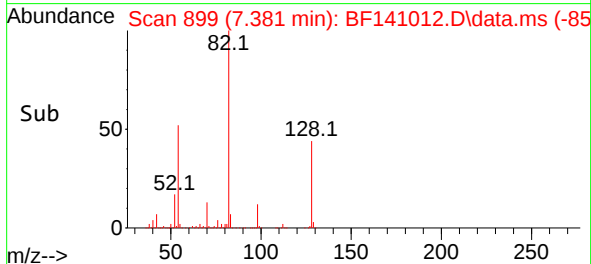
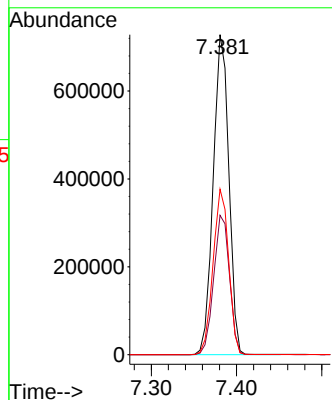
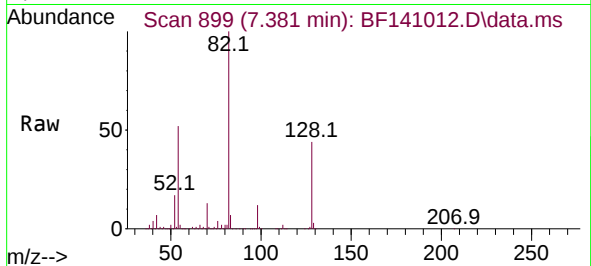
Tgt Ion: 82 Resp: 928495

Ion Ratio Lower Upper

82 100

128 43.6 34.4 51.6

54 51.7 42.4 63.6



#25

Isophorone

Concen: 29.932 ng

RT: 7.381 min Scan# 899

Delta R.T. -0.271 min

Lab File: BF141012.D

Acq: 27 Dec 2024 22:10

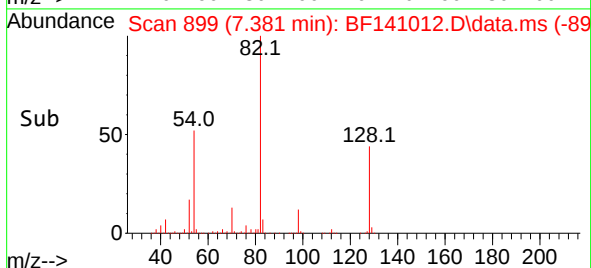
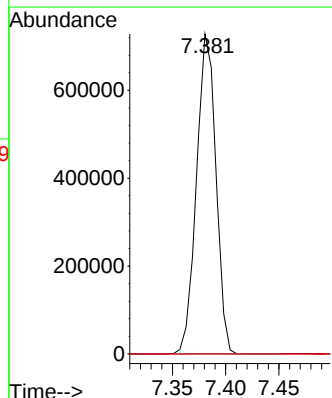
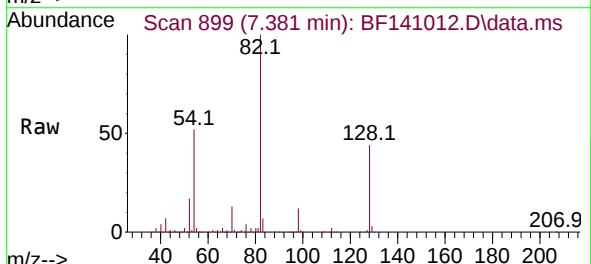
Tgt Ion: 82 Resp: 921186

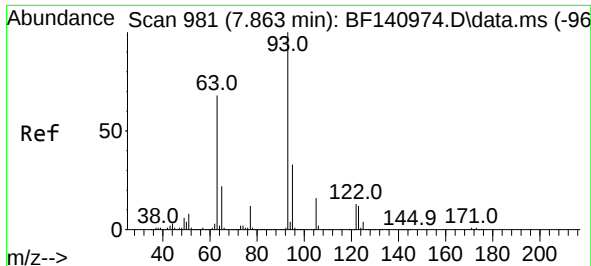
Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

138 0.0 14.6 21.8#

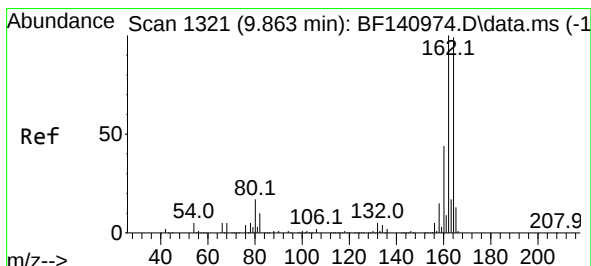
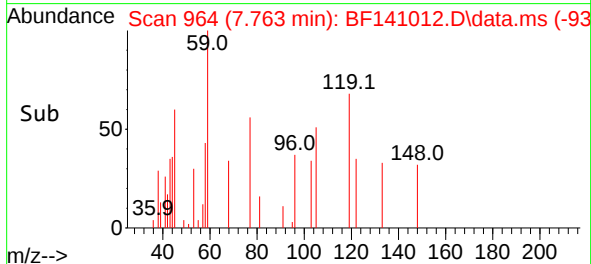
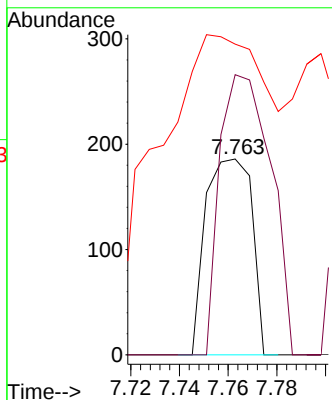
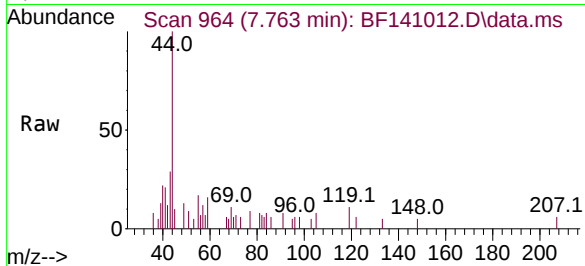




#32
Benzoic acid
Concen: 7.715 ng
RT: 7.763 min Scan# 90
Delta R.T. -0.100 min
Lab File: BF141012.D
Acq: 27 Dec 2024 22:10

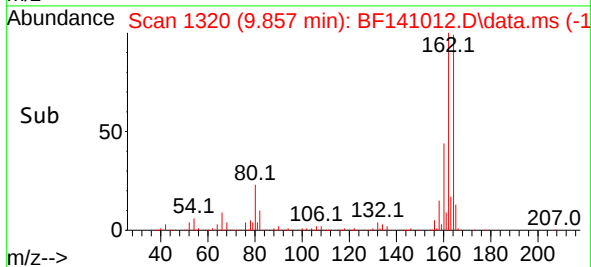
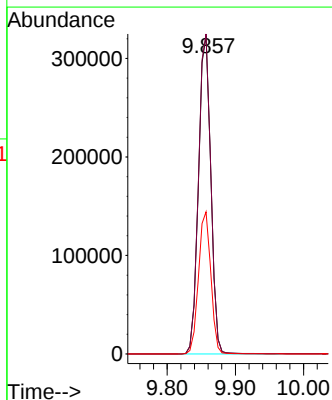
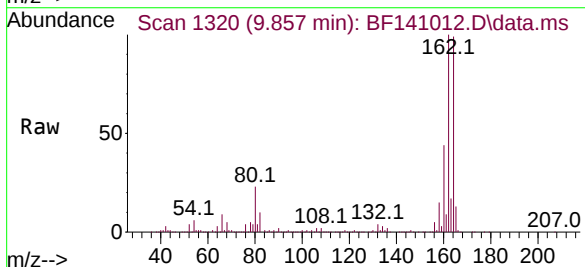
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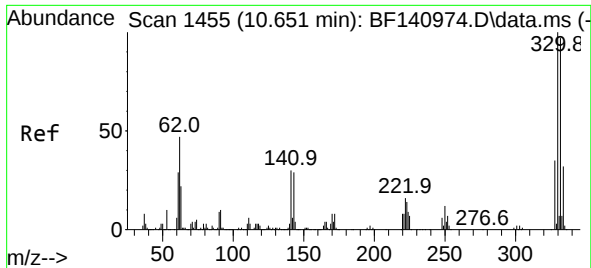
Tgt Ion:122 Resp: 245
Ion Ratio Lower Upper
122 100
105 143.0 105.4 145.4
77 158.6 76.4 116.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141012.D
Acq: 27 Dec 2024 22:10

Tgt Ion:164 Resp: 405268
Ion Ratio Lower Upper
164 100
162 100.5 80.6 120.8
160 44.7 35.7 53.5

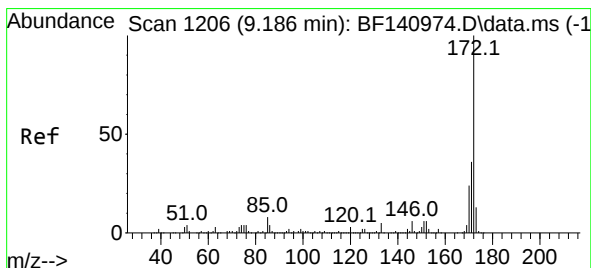
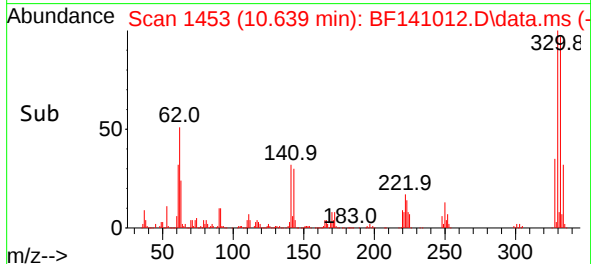
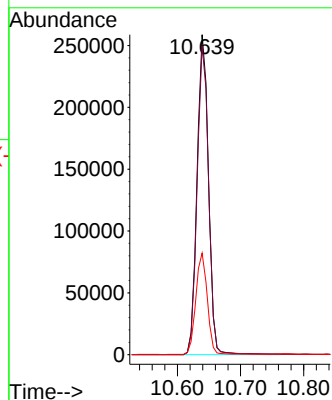
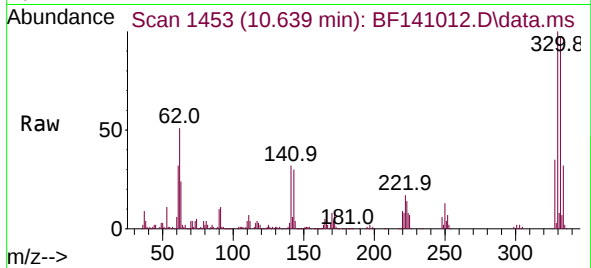




#42
2,4,6-Tribromophenol
Concen: 82.656 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF141012.D
Acq: 27 Dec 2024 22:10

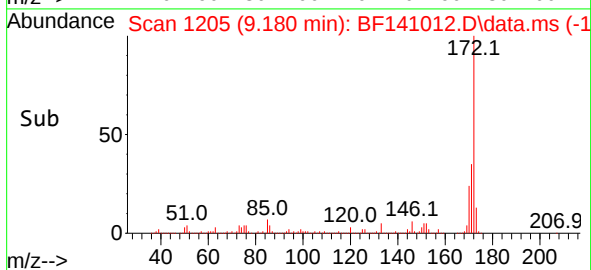
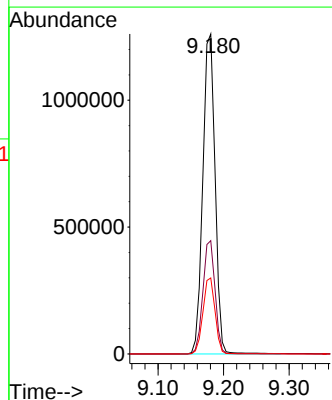
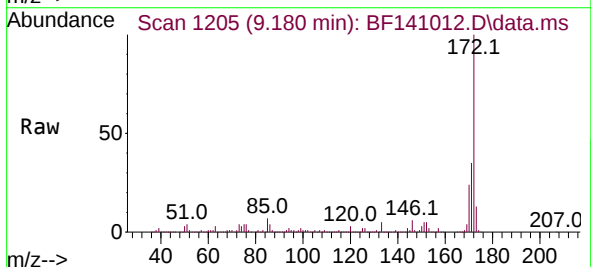
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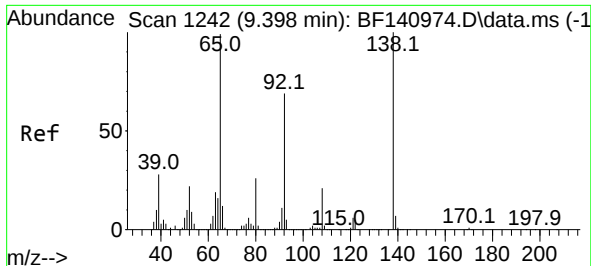
Tgt Ion:330 Resp: 325502
Ion Ratio Lower Upper
330 100
332 96.8 78.0 117.0
141 31.9 26.4 39.6



#45
2-Fluorobiphenyl
Concen: 64.873 ng
RT: 9.180 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF141012.D
Acq: 27 Dec 2024 22:10

Tgt Ion:172 Resp: 1650159
Ion Ratio Lower Upper
172 100
171 35.4 29.0 43.4
170 23.7 19.6 29.4

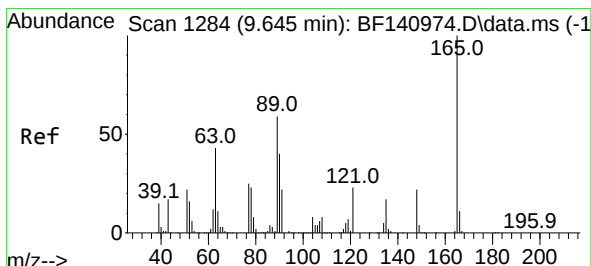
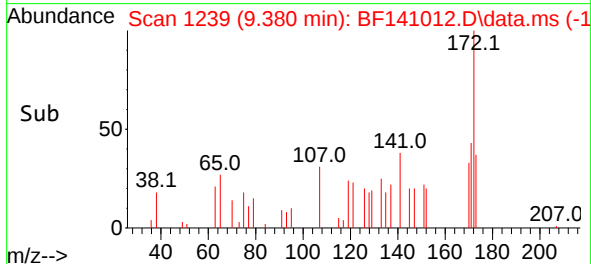
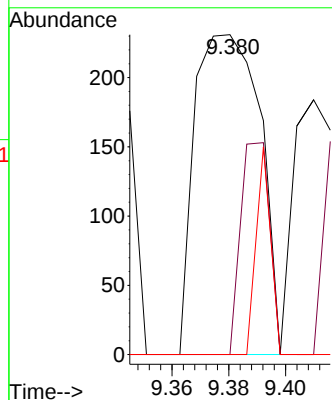
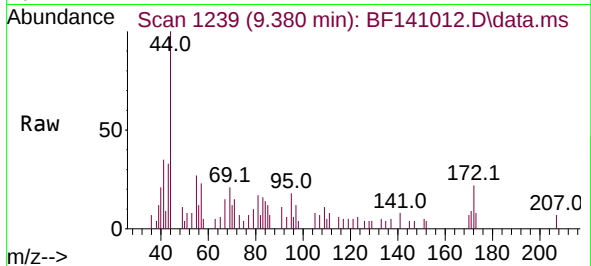




#48
2-Nitroaniline
Concen: 4.697 ng
RT: 9.380 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141012.D
Acq: 27 Dec 2024 22:10

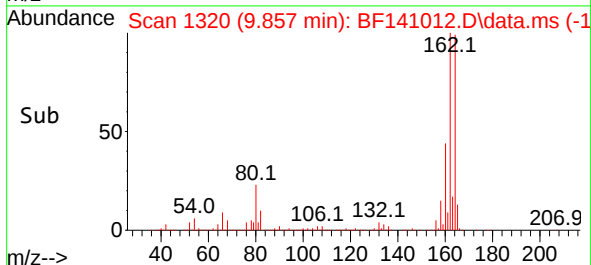
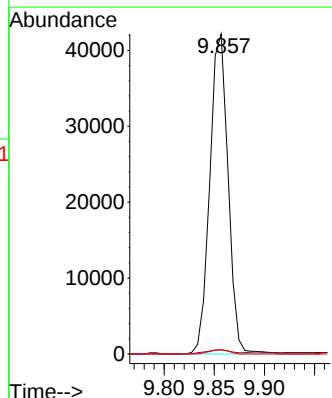
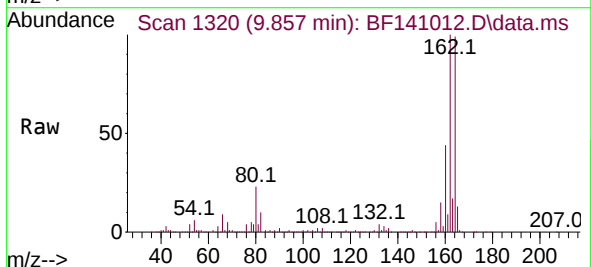
Instrument :
BNA_F
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TP-5RE

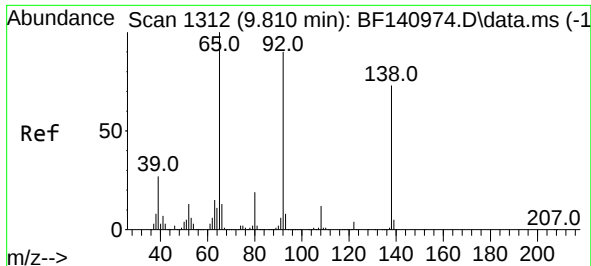
Tgt Ion: 65 Resp: 368
Ion Ratio Lower Upper
65 100
92 0.0 55.6 83.4#
138 0.0 80.5 120.7#



#51
2,6-Dinitrotoluene
Concen: 12.777 ng
RT: 9.857 min Scan# 1320
Delta R.T. 0.212 min
Lab File: BF141012.D
Acq: 27 Dec 2024 22:10

Tgt Ion: 165 Resp: 53680
Ion Ratio Lower Upper
165 100
63 1.2 47.1 70.7#
89 1.4 47.0 70.4#

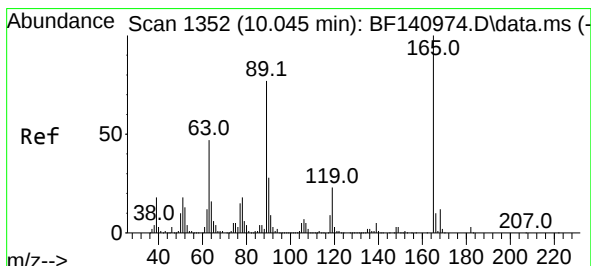
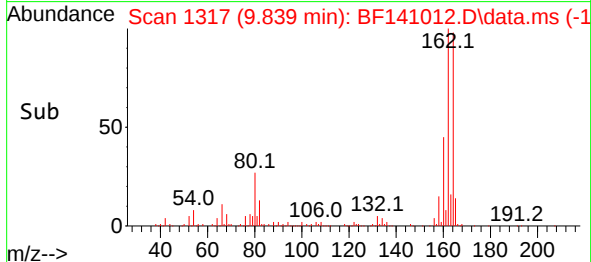
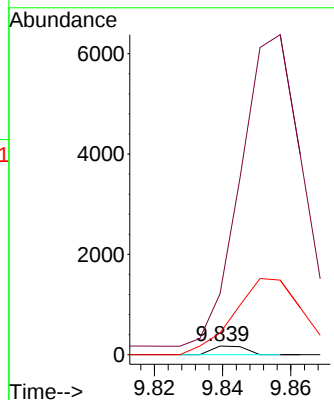
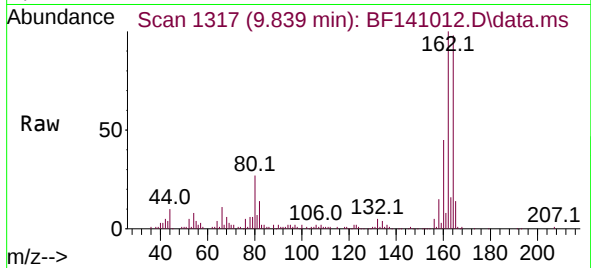




#53
3-Nitroaniline
Concen: 3.283 ng
RT: 9.839 min Scan# 11
Delta R.T. 0.029 min
Lab File: BF141012.D
Acq: 27 Dec 2024 22:10

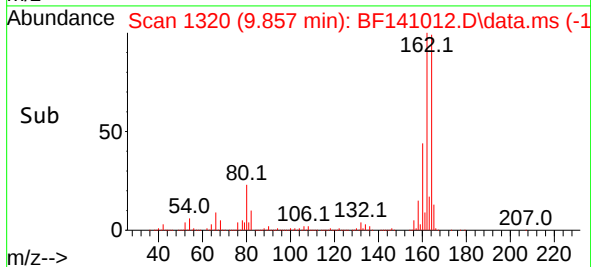
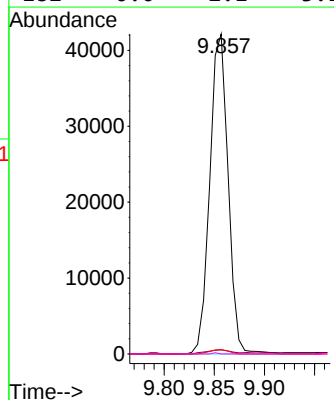
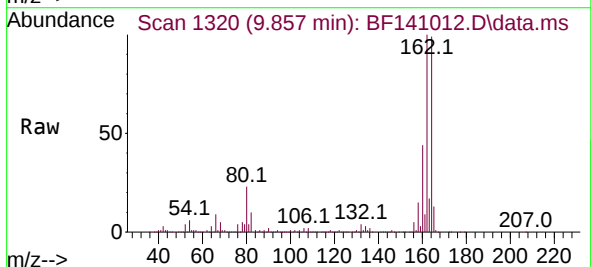
Instrument :
BNA_F
ClientSampleId :
TP-5RE

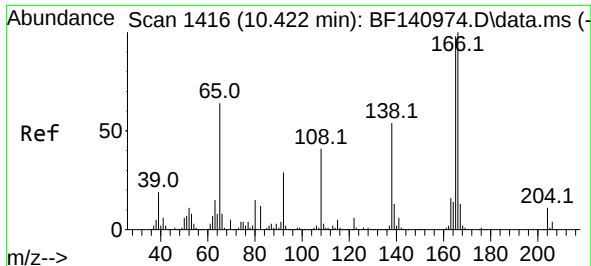
Tgt Ion:138 Resp: 117
Ion Ratio Lower Upper
138 100
108 702.3 13.5 20.3#
92 249.7 97.7 146.5#



#57
2,4-Dinitrotoluene
Concen: 11.813 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.188 min
Lab File: BF141012.D
Acq: 27 Dec 2024 22:10

Tgt Ion:165 Resp: 53680
Ion Ratio Lower Upper
165 100
63 1.2 38.1 57.1#
89 1.4 61.4 92.2#
182 0.0 2.1 3.1#

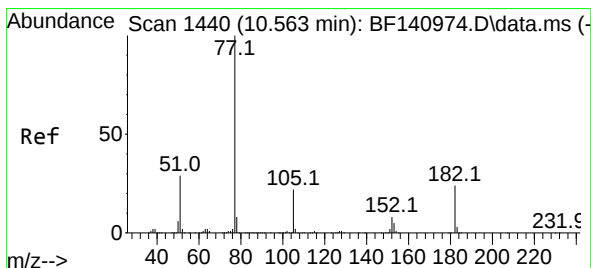
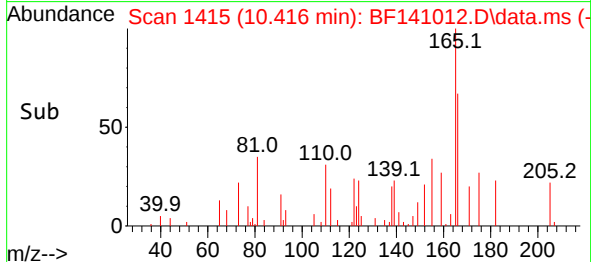
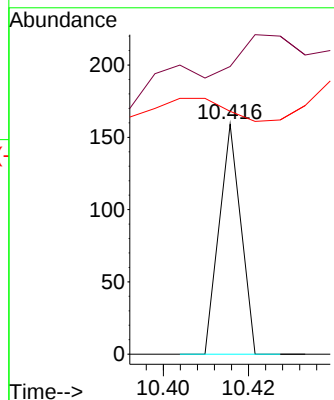
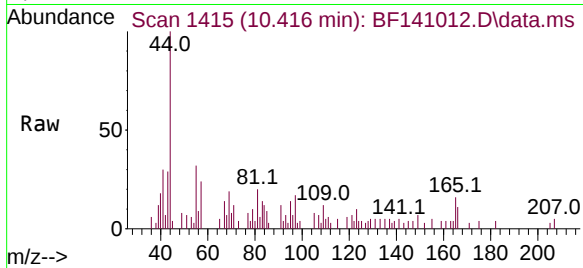




#62
4-Nitroaniline
Concen: 3.355 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF141012.D
Acq: 27 Dec 2024 22:10

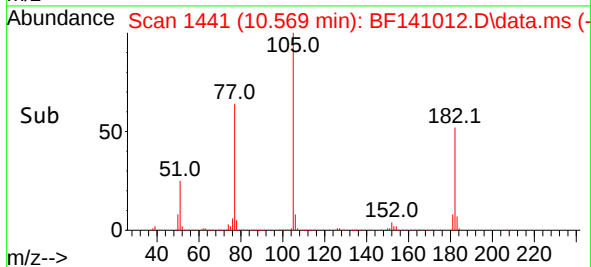
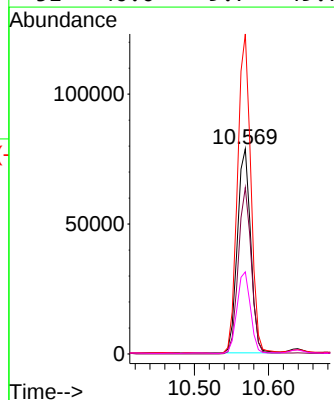
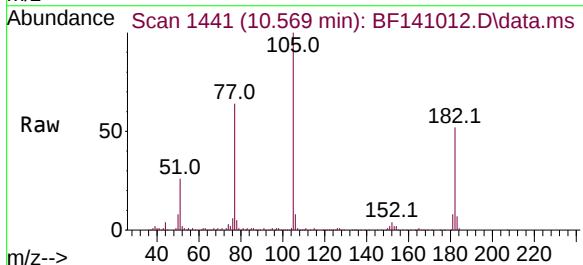
Instrument :
BNA_F
ClientSampleId :
TP-5RE

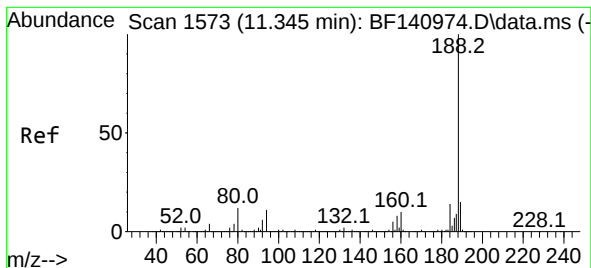
Tgt Ion:138 Resp: 56
Ion Ratio Lower Upper
138 100
92 125.2 34.8 74.8#
108 105.7 55.9 95.9#



#63
Azobenzene
Concen: 3.545 ng
RT: 10.569 min Scan# 1441
Delta R.T. 0.006 min
Lab File: BF141012.D
Acq: 27 Dec 2024 22:10

Tgt Ion: 77 Resp: 97921
Ion Ratio Lower Upper
77 100
182 81.1 4.1 44.1#
105 156.0 1.8 41.8#
51 40.0 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: BF141012.D

Acq: 27 Dec 2024 22:10

Instrument :

BNA_F

ClientSampleId :

TP-5RE

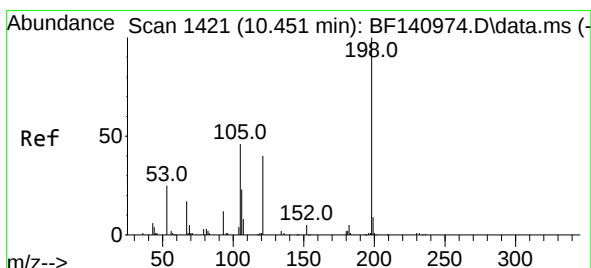
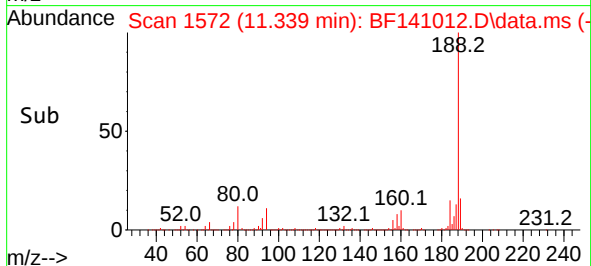
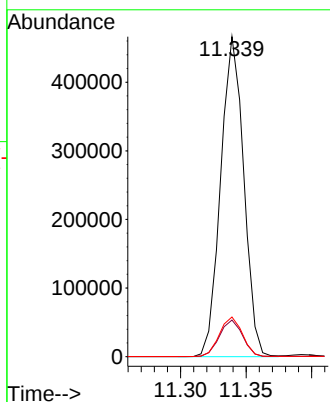
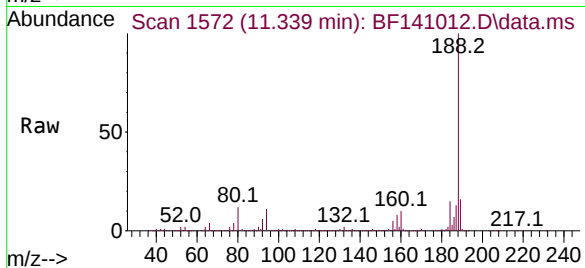
Tgt Ion:188 Resp: 570571

Ion Ratio Lower Upper

188 100

94 11.4 9.0 13.6

80 12.4 9.8 14.6



#65

4,6-Dinitro-2-methylphenol

Concen: 9.606 ng

RT: 10.639 min Scan# 1453

Delta R.T. 0.188 min

Lab File: BF141012.D

Acq: 27 Dec 2024 22:10

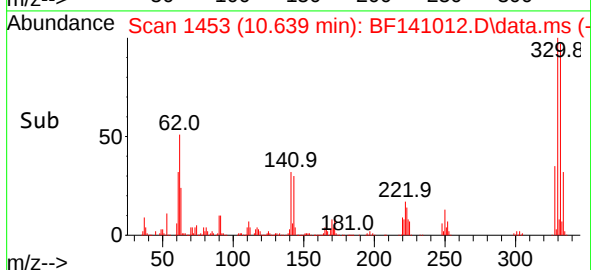
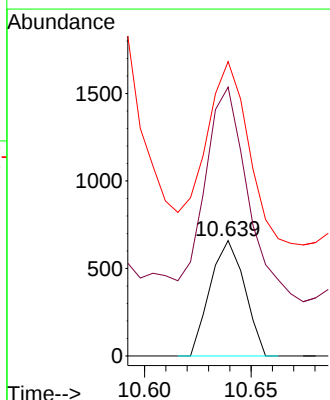
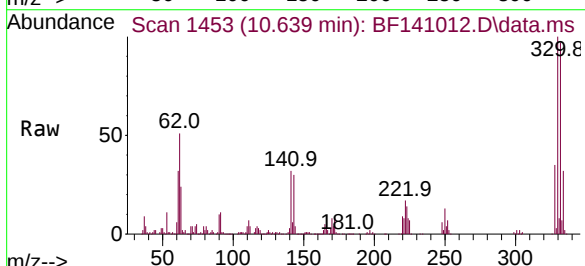
Tgt Ion:198 Resp: 743

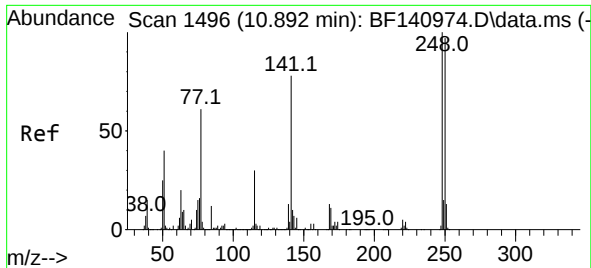
Ion Ratio Lower Upper

198 100

51 233.1 32.3 72.3#

105 255.4 28.4 68.4#

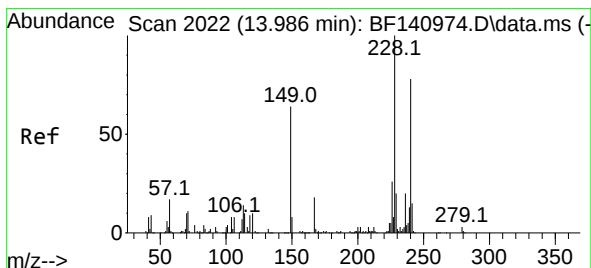
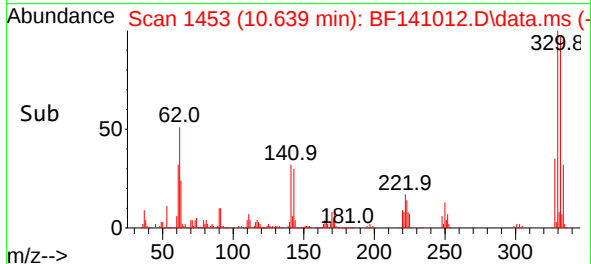
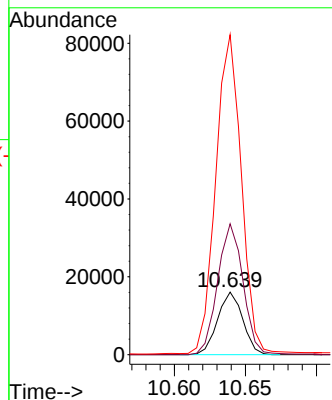
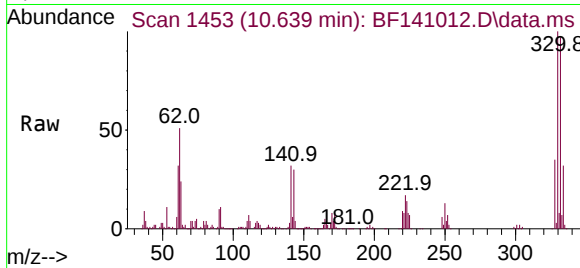




#67
4-Bromophenyl-phenylether
Concen: 3.207 ng
RT: 10.639 min Scan# 1496
Delta R.T. -0.253 min
Lab File: BF141012.D
Acq: 27 Dec 2024 22:10

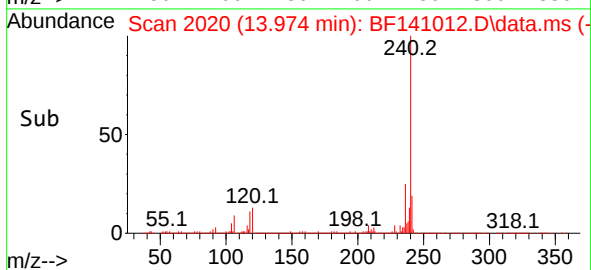
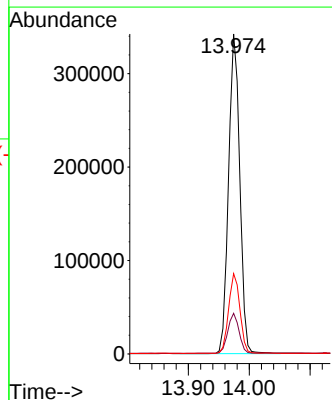
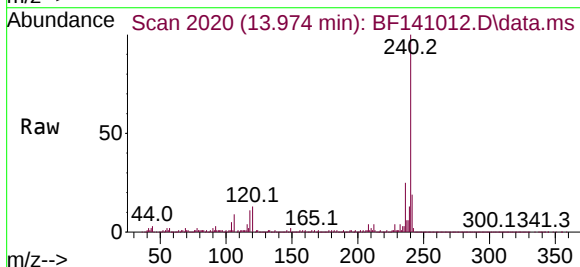
Instrument :
BNA_F
ClientSampleId :
TP-5RE

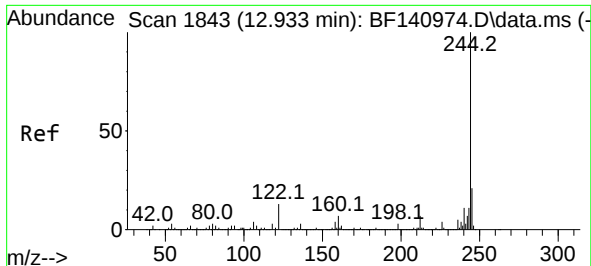
Tgt Ion:248 Resp: 19779
Ion Ratio Lower Upper
248 100
250 209.3 77.7 116.5#
141 511.6 62.1 93.1#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF141012.D
Acq: 27 Dec 2024 22:10

Tgt Ion:240 Resp: 438379
Ion Ratio Lower Upper
240 100
120 12.7 10.7 16.1
236 25.1 20.6 31.0

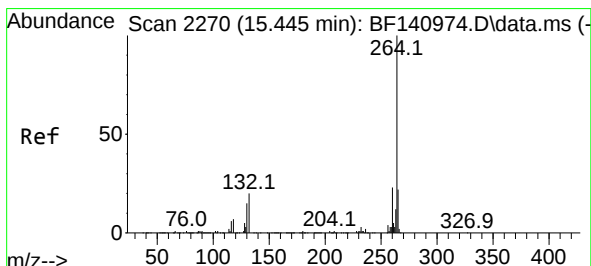
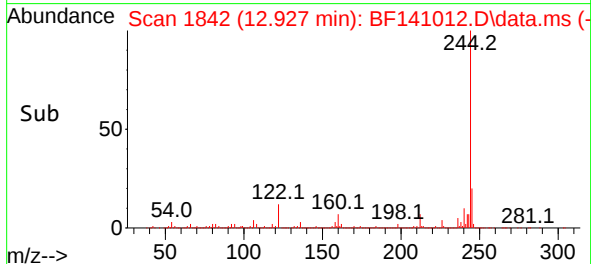
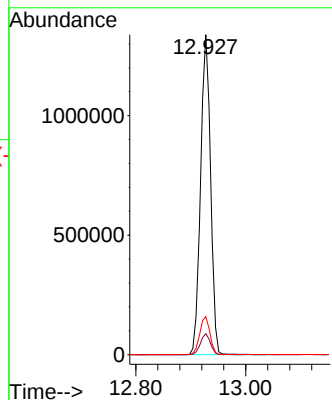
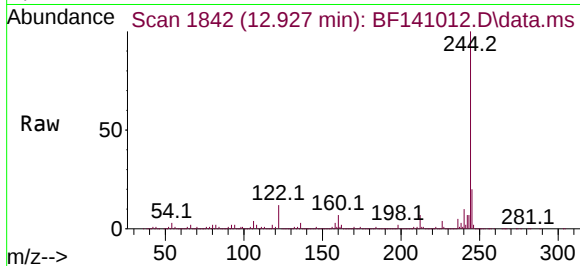




#79
 Terphenyl-d14
 Concen: 64.152 ng
 RT: 12.927 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF141012.D
 Acq: 27 Dec 2024 22:10

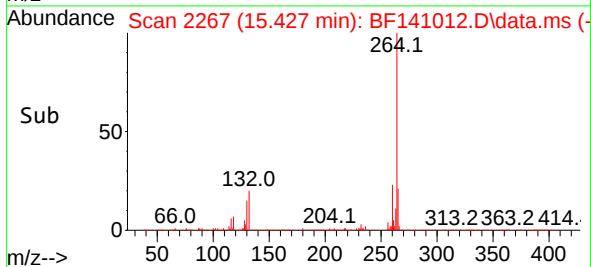
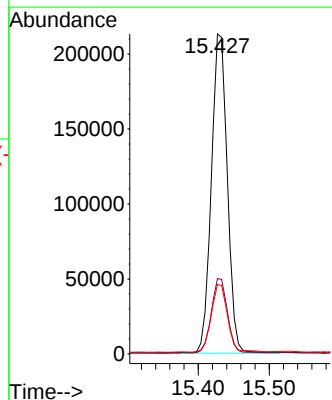
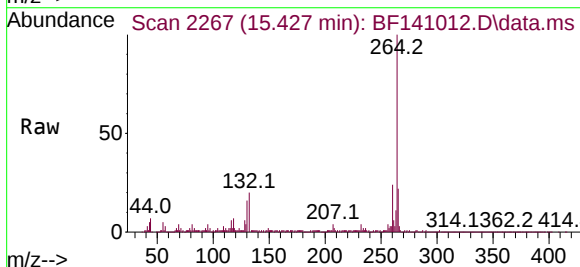
Instrument :
 BNA_F
 ClientSampleId :
 TP-5RE

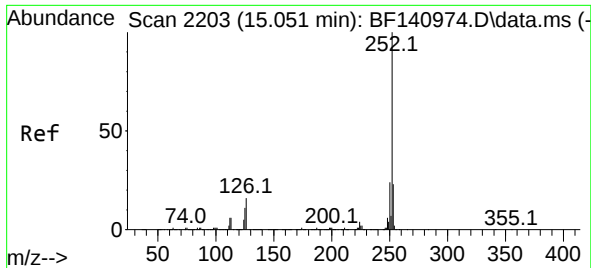
Tgt Ion:244 Resp: 1693145
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.7 8.5
 122 11.9 10.2 15.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.427 min Scan# 2267
 Delta R.T. -0.018 min
 Lab File: BF141012.D
 Acq: 27 Dec 2024 22:10

Tgt Ion:264 Resp: 332095
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.7 28.1
 265 21.7 17.4 26.2





#89

Benzo(k)fluoranthene

Concen: 2.406 ng

RT: 15.009 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF141012.D

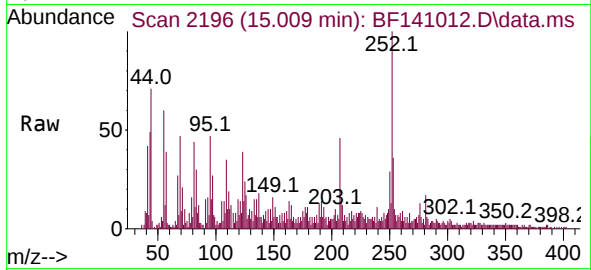
Acq: 27 Dec 2024 22:10

Instrument :

BNA_F

ClientSampleId :

TP-5RE



Tgt Ion:252 Resp: 43668

Ion Ratio Lower Upper

252 100

253 36.5 17.8 26.8#

125 23.8 9.4 14.0#

