

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
 Data File : BF142276.D
 Acq On : 02 May 2025 11:58
 Operator : RC/JU
 Sample : Q1901-08
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-167-SB01

Quant Time: May 02 12:28:00 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 16:00:01 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

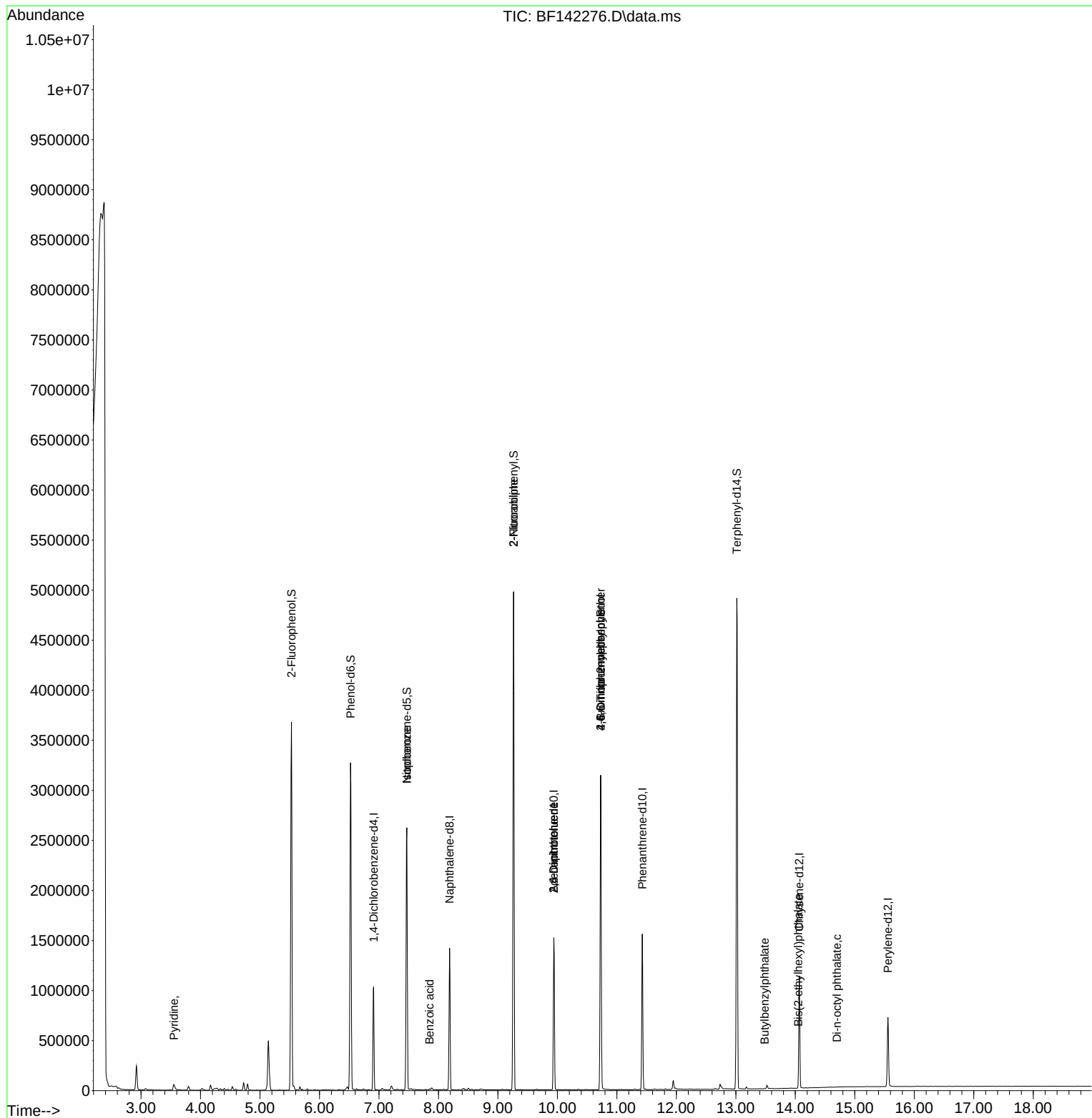
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	222553	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	840174	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	447329	20.000	ng	-0.01
64) Phenanthrene-d10	11.427	188	769739	20.000	ng	0.00
76) Chrysene-d12	14.068	240	529430	20.000	ng	0.00
86) Perylene-d12	15.557	264	393063	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1438792	103.249	ng	0.01
7) Phenol-d6	6.522	99	1614400	95.937	ng	0.00
23) Nitrobenzene-d5	7.469	82	1129271	88.303	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	565380	138.641	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2216915	69.876	ng	0.00
79) Terphenyl-d14	13.016	244	2479112	68.104	ng	0.00
Target Compounds						
						Qvalue
3) Pyridine	3.551	79	38955	2.408	ng	98
25) Isophorone	7.469	82	1127801	42.020	ng	# 64
32) Benzoic acid	7.851	122	2894	11.156	ng	93
48) 2-Nitroaniline	9.263	65	3594	5.243	ng	# 1
51) 2,6-Dinitrotoluene	9.939	165	57150	13.563	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	57150	12.727	ng	# 23
65) 4,6-Dinitro-2-methylph...	10.727	198	907	10.890	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	35189	4.105	ng	# 1
80) Butylbenzylphthalate	13.486	149	351	3.741	ng	# 83
84) Bis(2-ethylhexyl)phtha...	14.051	149	1139	3.511	ng	# 90
85) Di-n-octyl phthalate	14.698	149	386	6.078	ng	# 1

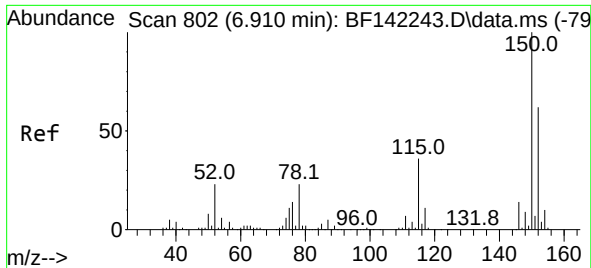
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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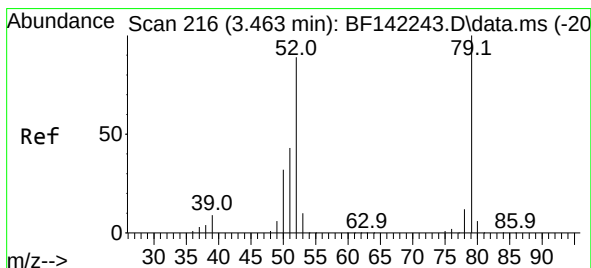
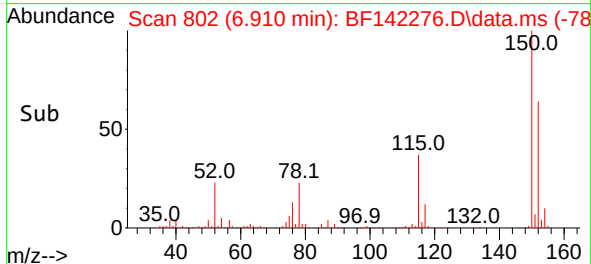
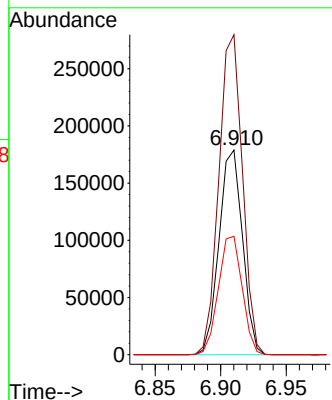
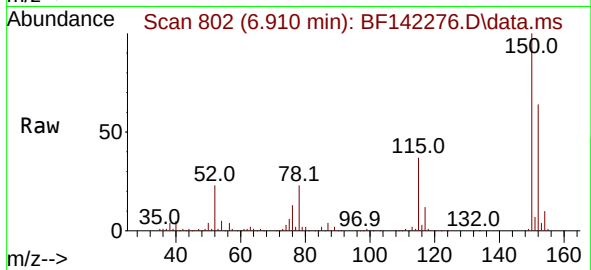




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.910 min Scan# 802
 Delta R.T. 0.000 min
 Lab File: BF142276.D
 Acq: 02 May 2025 11:58

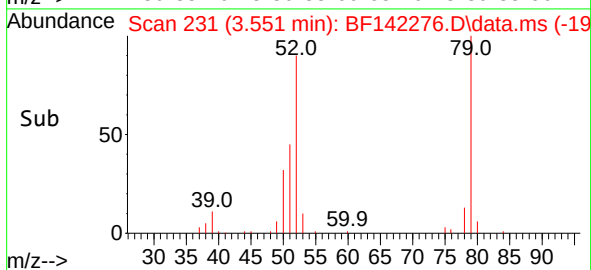
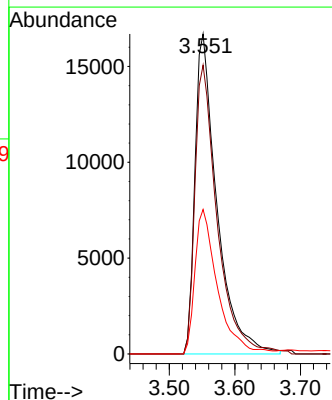
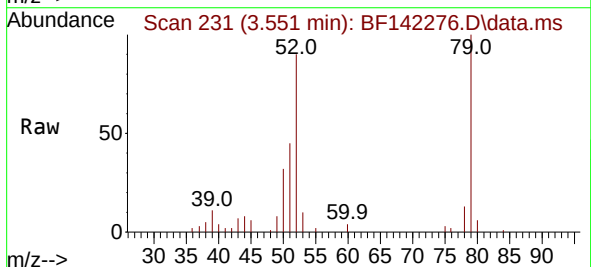
Instrument :
 BNA_F
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 B-167-SB01

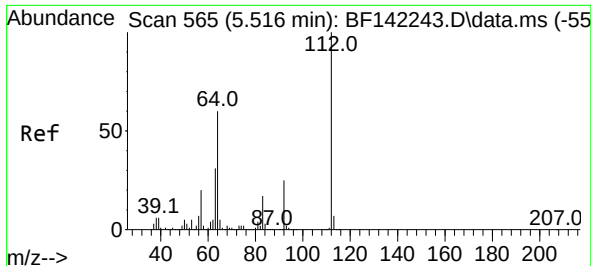
Tgt Ion:152 Resp: 222553
 Ion Ratio Lower Upper
 152 100
 150 156.3 130.2 195.2
 115 57.9 47.0 70.4



#3
 Pyridine
 Concen: 2.408 ng
 RT: 3.551 min Scan# 231
 Delta R.T. 0.088 min
 Lab File: BF142276.D
 Acq: 02 May 2025 11:58

Tgt Ion: 79 Resp: 38955
 Ion Ratio Lower Upper
 79 100
 52 90.2 71.5 107.3
 51 45.2 34.5 51.7

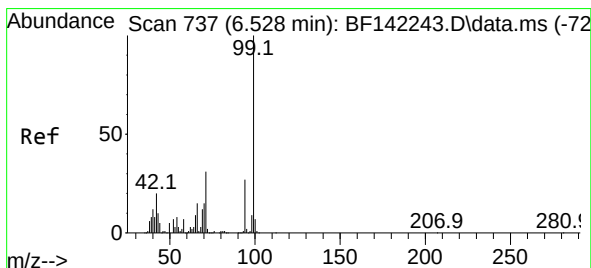
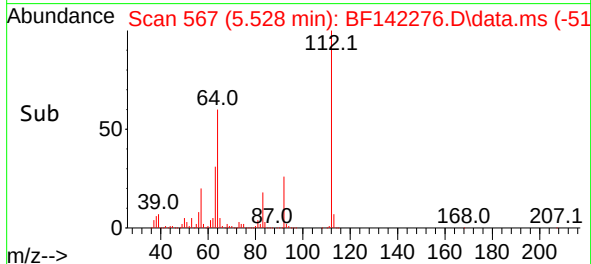
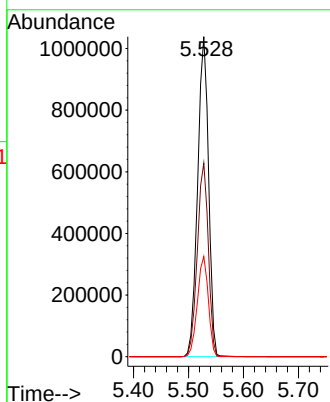
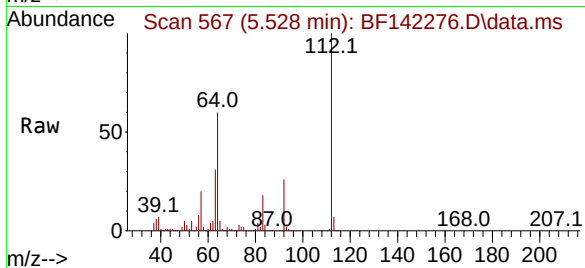




#5
2-Fluorophenol
Concen: 103.249 ng
RT: 5.528 min Scan# 50
Delta R.T. 0.012 min
Lab File: BF142276.D
Acq: 02 May 2025 11:58

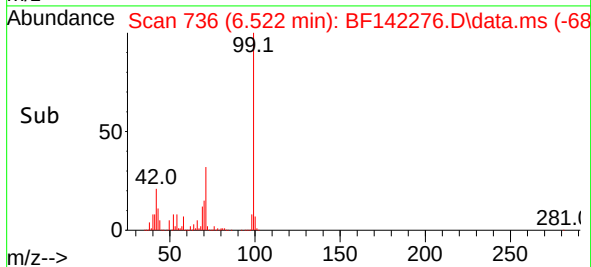
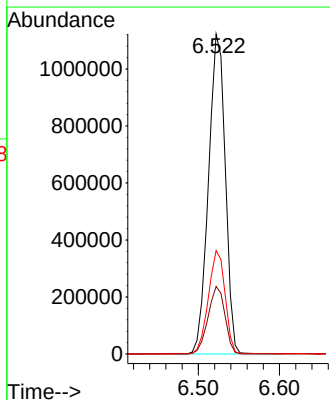
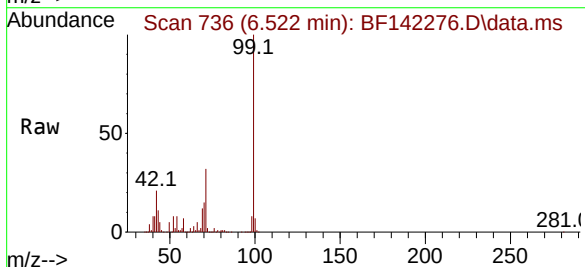
Instrument :
BNA_F
ClientSampleId :
B-167-SB01

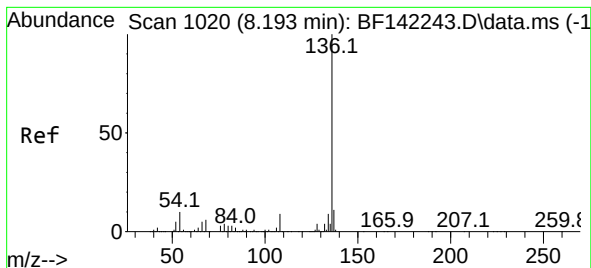
Tgt Ion:112 Resp: 1438792
Ion Ratio Lower Upper
112 100
64 60.5 48.4 72.6
63 31.3 24.8 37.2



#7
Phenol-d6
Concen: 95.937 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.006 min
Lab File: BF142276.D
Acq: 02 May 2025 11:58

Tgt Ion: 99 Resp: 1614400
Ion Ratio Lower Upper
99 100
42 21.1 16.3 24.5
71 32.3 25.0 37.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.186 min Scan# 1019

Delta R.T. -0.007 min

Lab File: BF142276.D

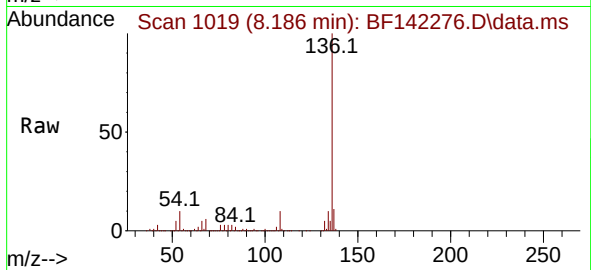
Acq: 02 May 2025 11:58

Instrument :

BNA_F

ClientSampleId :

B-167-SB01



Tgt Ion:136 Resp: 840174

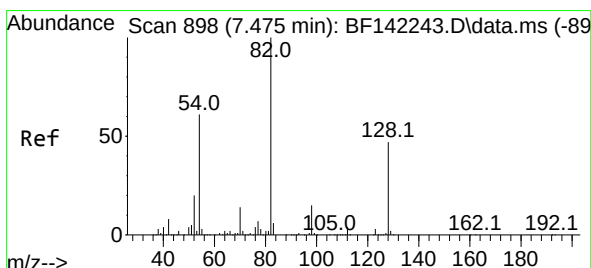
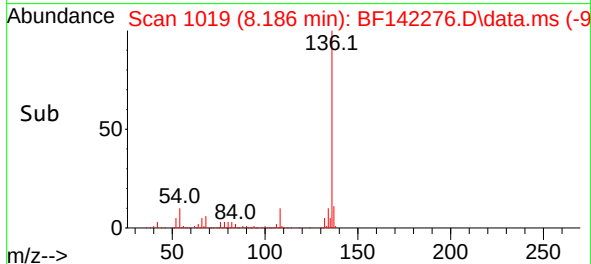
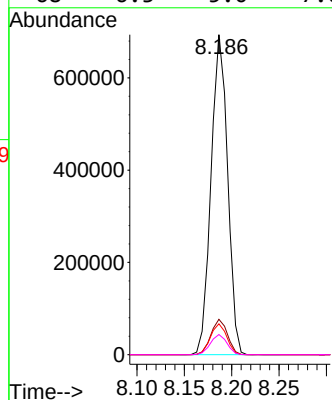
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 9.7 7.7 11.5

68 6.3 5.0 7.6



#23

Nitrobenzene-d5

Concen: 88.303 ng

RT: 7.469 min Scan# 897

Delta R.T. -0.006 min

Lab File: BF142276.D

Acq: 02 May 2025 11:58

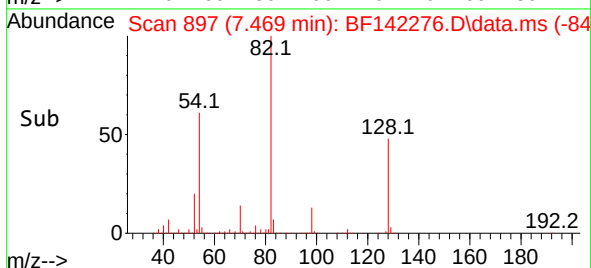
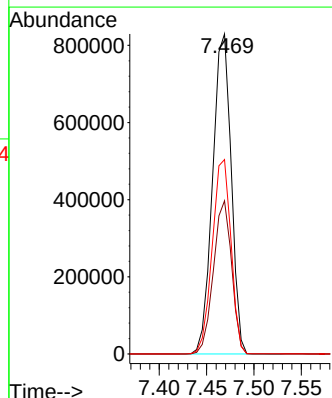
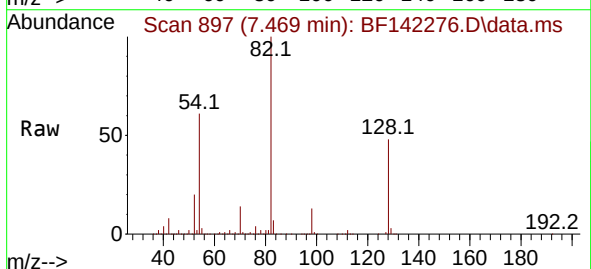
Tgt Ion: 82 Resp: 1129271

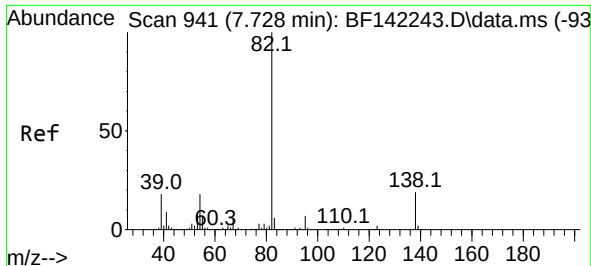
Ion Ratio Lower Upper

82 100

128 47.9 37.0 55.6

54 60.7 48.0 72.0

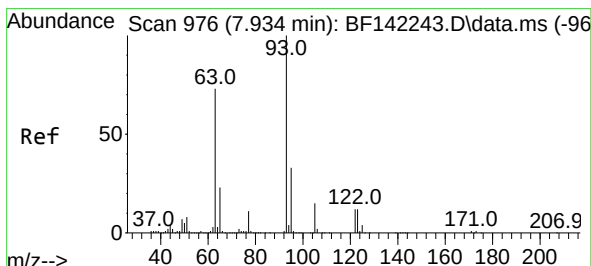
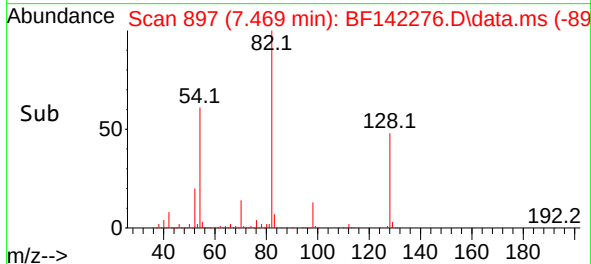
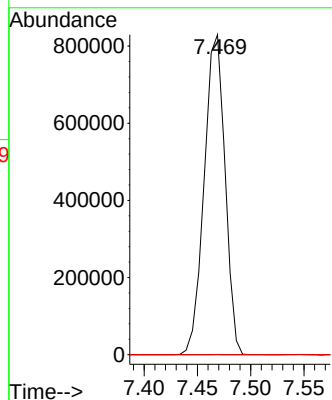
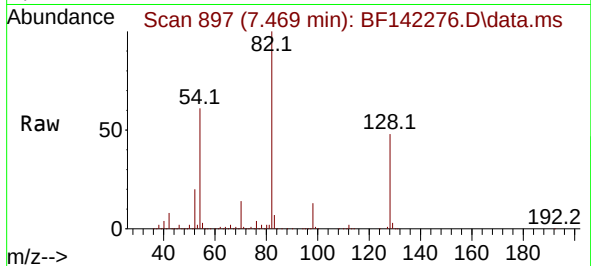




#25
Isophorone
Concen: 42.020 ng
RT: 7.469 min Scan# 897
Delta R.T. -0.259 min
Lab File: BF142276.D
Acq: 02 May 2025 11:58

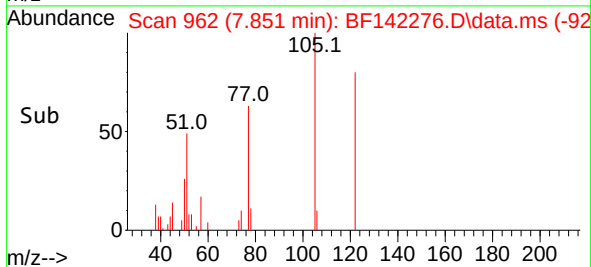
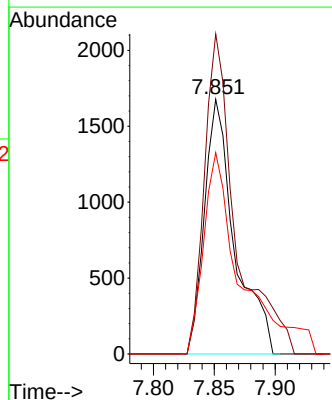
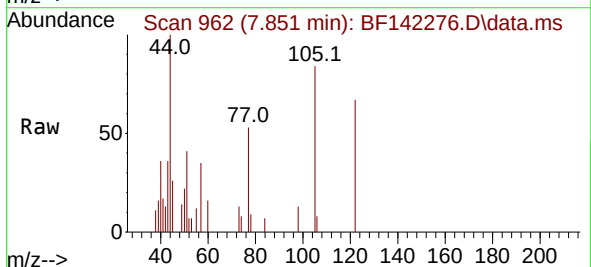
Instrument :
BNA_F
ClientSampleId :
B-167-SB01

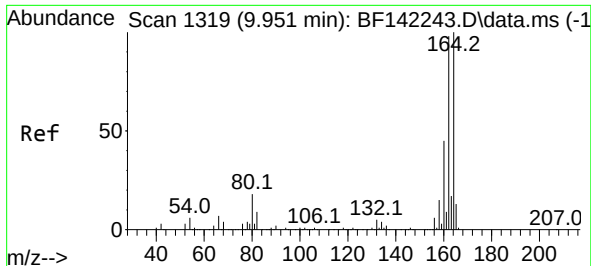
Tgt Ion: 82 Resp: 1127801
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 15.3 22.9#



#32
Benzoic acid
Concen: 11.156 ng
RT: 7.851 min Scan# 962
Delta R.T. -0.083 min
Lab File: BF142276.D
Acq: 02 May 2025 11:58

Tgt Ion:122 Resp: 2894
Ion Ratio Lower Upper
122 100
105 125.7 98.2 138.2
77 79.1 66.8 106.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142276.D

Acq: 02 May 2025 11:58

Instrument :

BNA_F

ClientSampleId :

B-167-SB01

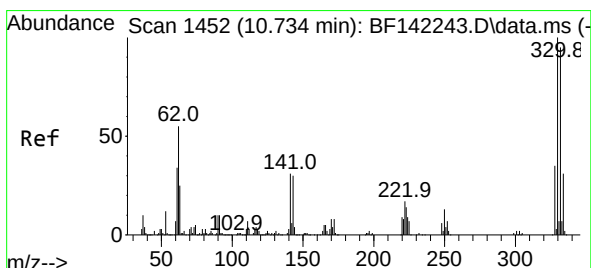
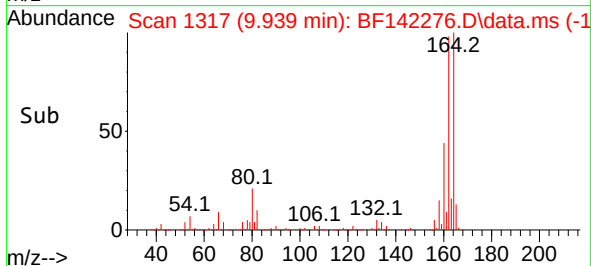
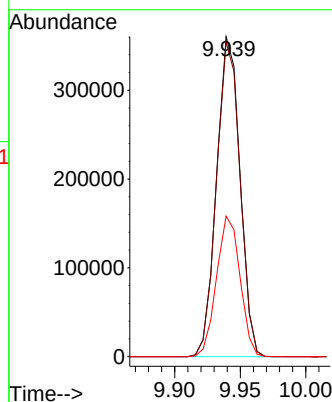
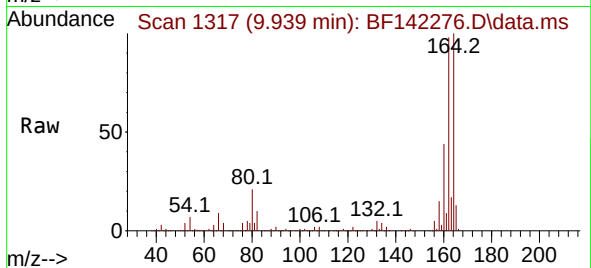
Tgt Ion:164 Resp: 447329

Ion Ratio Lower Upper

164 100

162 98.3 78.6 117.8

160 43.9 35.7 53.5



#42

2,4,6-Tribromophenol

Concen: 138.641 ng

RT: 10.727 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF142276.D

Acq: 02 May 2025 11:58

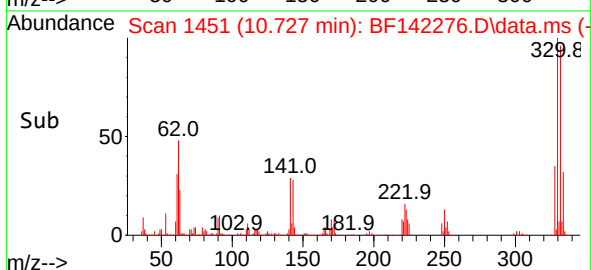
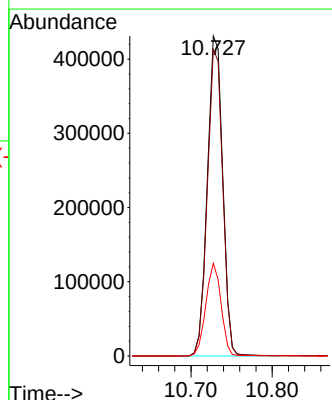
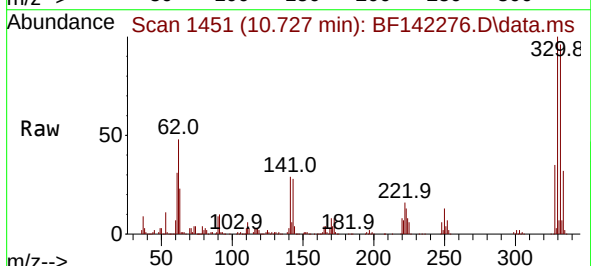
Tgt Ion:330 Resp: 565380

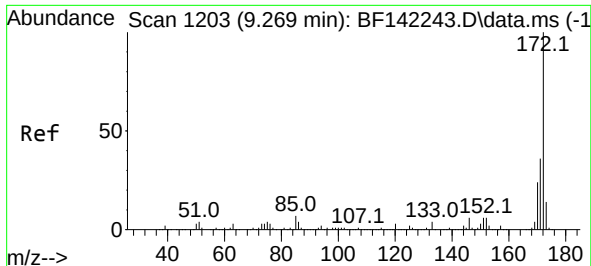
Ion Ratio Lower Upper

330 100

332 95.9 76.5 114.7

141 28.8 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 69.876 ng

RT: 9.263 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142276.D

Acq: 02 May 2025 11:58

Instrument :

BNA_F

ClientSampleId :

B-167-SB01

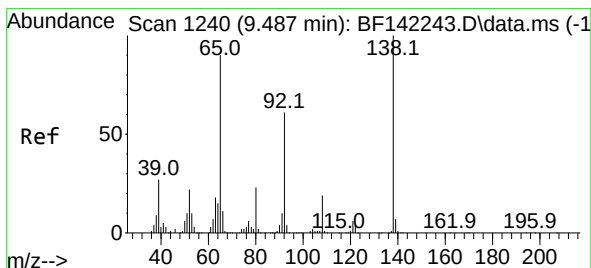
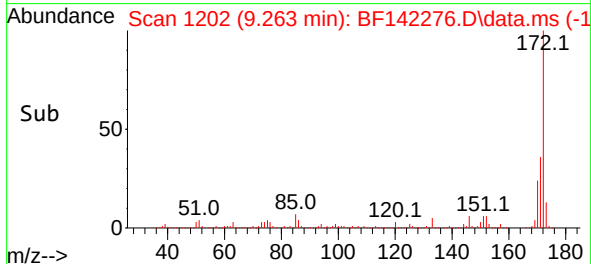
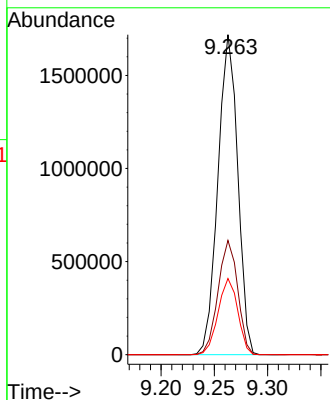
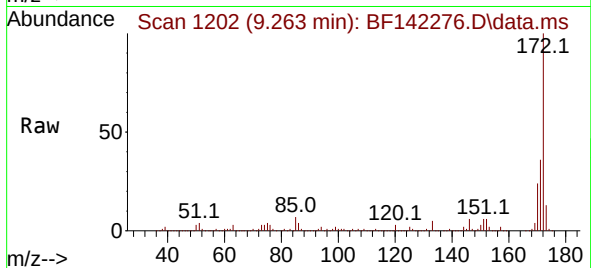
Tgt Ion:172 Resp: 2216915

Ion Ratio Lower Upper

172 100

171 35.7 29.0 43.4

170 23.8 19.4 29.0



#48

2-Nitroaniline

Concen: 5.243 ng

RT: 9.263 min Scan# 1202

Delta R.T. -0.224 min

Lab File: BF142276.D

Acq: 02 May 2025 11:58

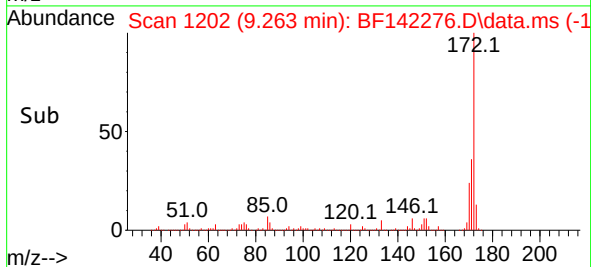
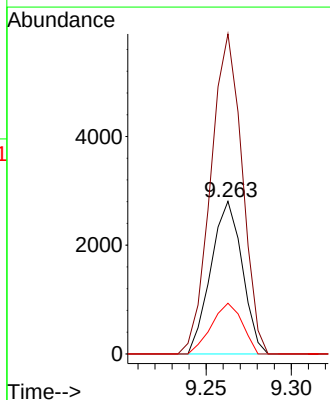
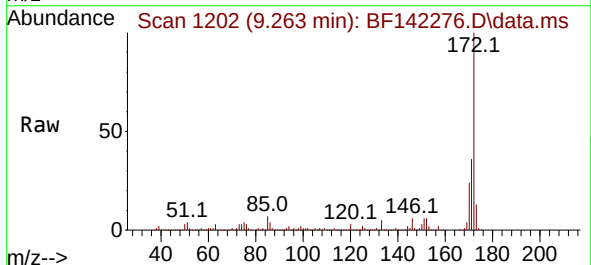
Tgt Ion: 65 Resp: 3594

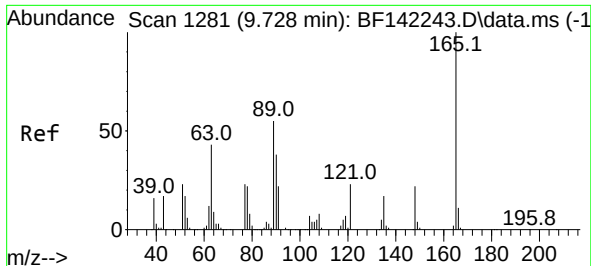
Ion Ratio Lower Upper

65 100

92 209.7 54.3 81.5#

138 33.3 88.6 133.0#





#51

2,6-Dinitrotoluene

Concen: 13.563 ng

RT: 9.939 min Scan# 1

Delta R.T. 0.211 min

Lab File: BF142276.D

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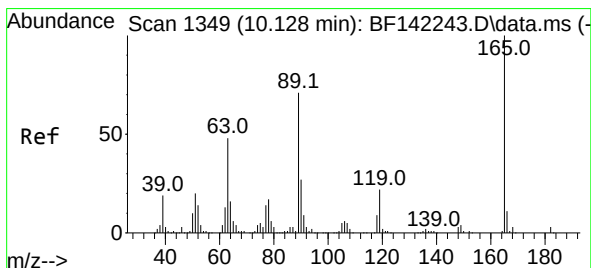
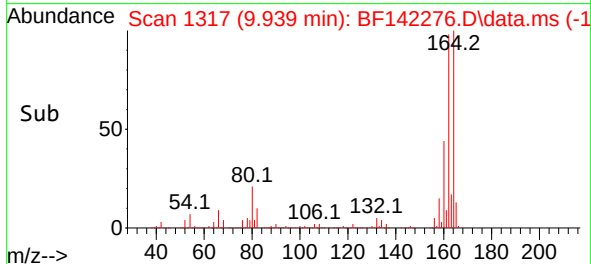
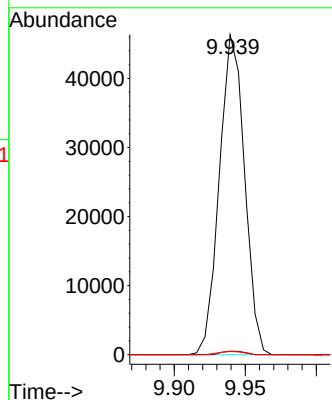
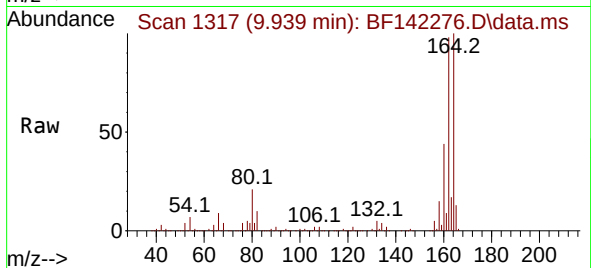
Tgt Ion:165 Resp: 57150

Ion Ratio Lower Upper

165 100

63 1.1 48.5 72.7#

89 1.0 43.9 65.9#



#57

2,4-Dinitrotoluene

Concen: 12.727 ng

RT: 9.939 min Scan# 1317

Delta R.T. -0.189 min

Lab File: BF142276.D

Acq: 02 May 2025 11:58

Tgt Ion:165 Resp: 57150

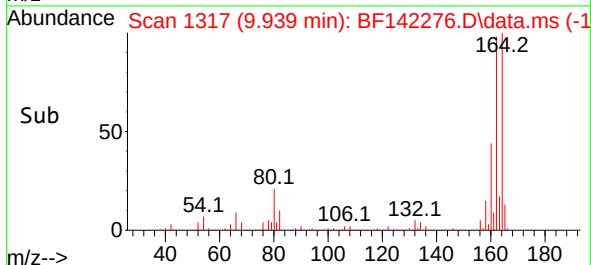
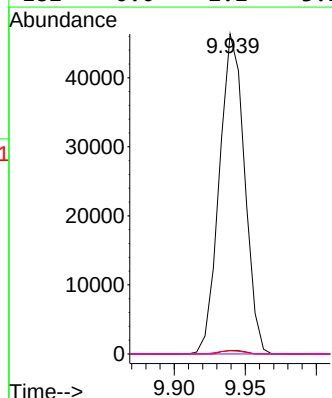
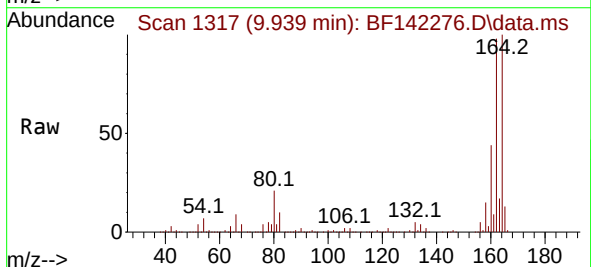
Ion Ratio Lower Upper

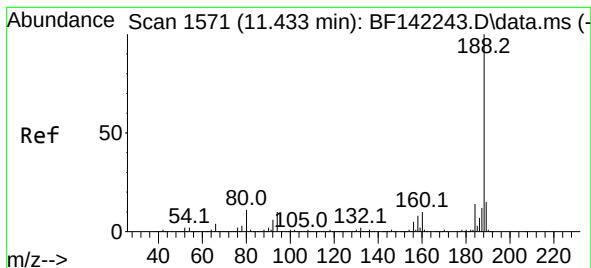
165 100

63 1.1 38.8 58.2#

89 1.0 57.1 85.7#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.427 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142276.D

Acq: 02 May 2025 11:58

Instrument :

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ClientSampleId :

B-167-SB01

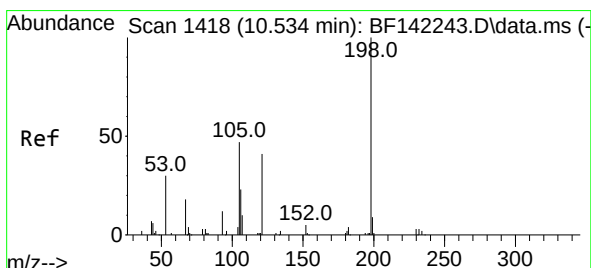
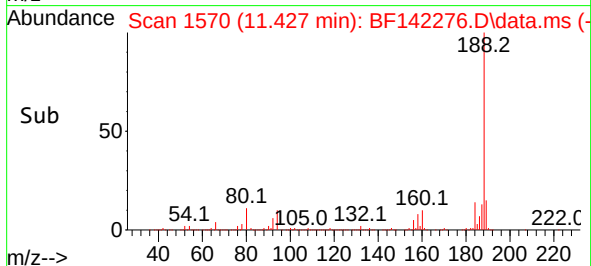
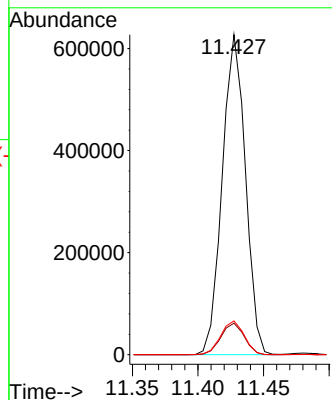
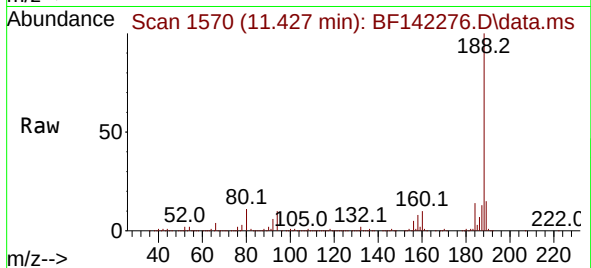
Tgt Ion:188 Resp: 769739

Ion Ratio Lower Upper

188 100

94 9.9 8.2 12.2

80 10.6 8.6 12.8



#65

4,6-Dinitro-2-methylphenol

Concen: 10.890 ng

RT: 10.727 min Scan# 1451

Delta R.T. 0.193 min

Lab File: BF142276.D

Acq: 02 May 2025 11:58

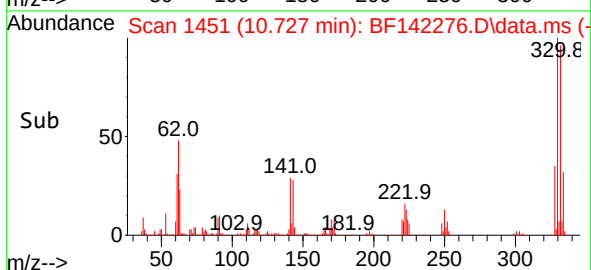
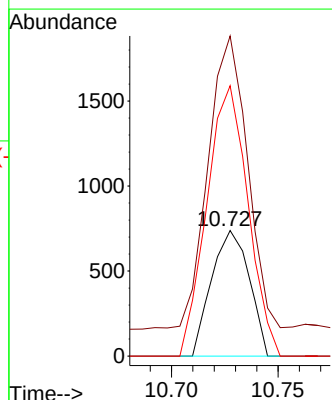
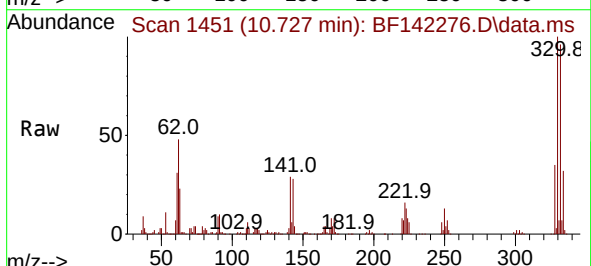
Tgt Ion:198 Resp: 907

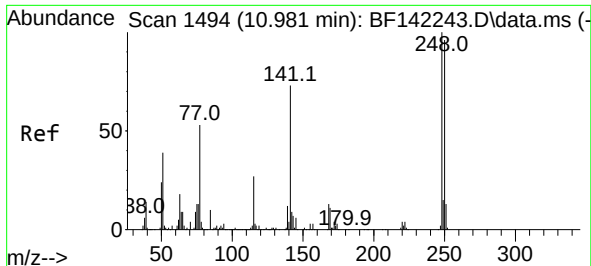
Ion Ratio Lower Upper

198 100

51 255.1 40.6 80.6#

105 215.4 29.2 69.2#

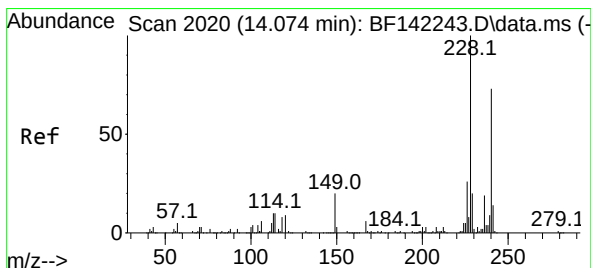
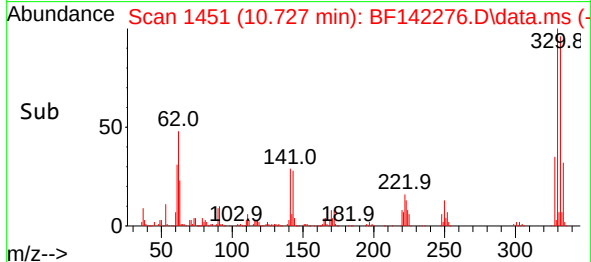
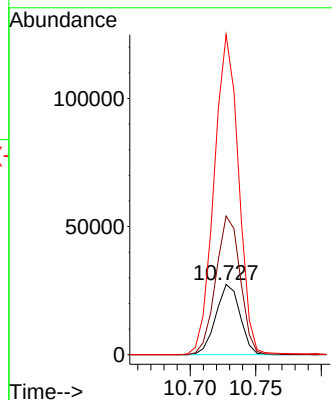
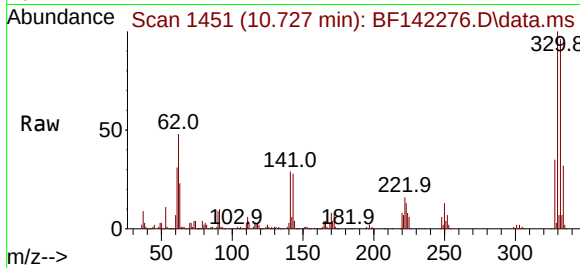




#67
4-Bromophenyl-phenylether
Concen: 4.105 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142276.D
Acq: 02 May 2025 11:58

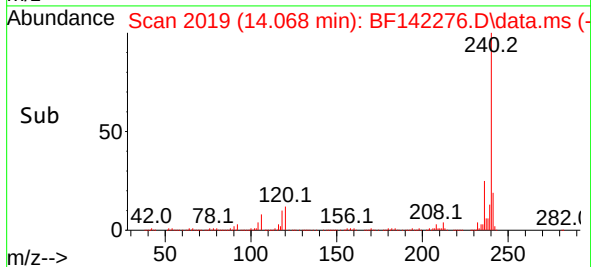
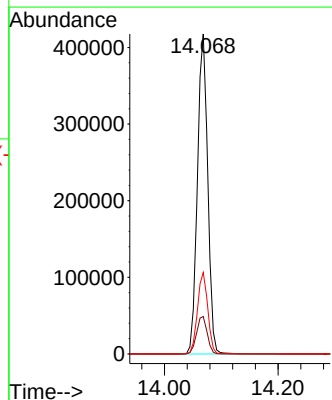
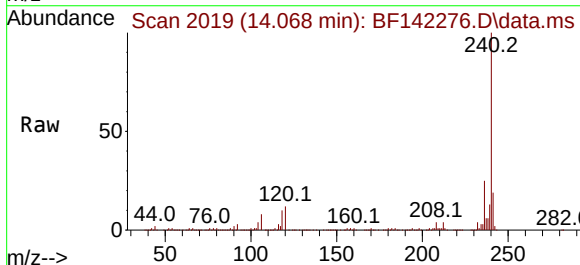
Instrument :
BNA_F
ClientSampleId :
B-167-SB01

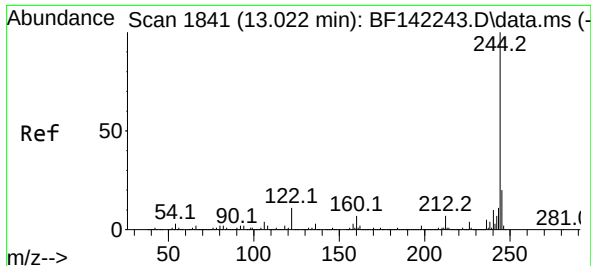
Tgt Ion:248 Resp: 35189
Ion Ratio Lower Upper
248 100
250 197.4 77.2 115.8#
141 455.6 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142276.D
Acq: 02 May 2025 11:58

Tgt Ion:240 Resp: 529430
Ion Ratio Lower Upper
240 100
120 11.7 10.1 15.1
236 25.5 20.5 30.7

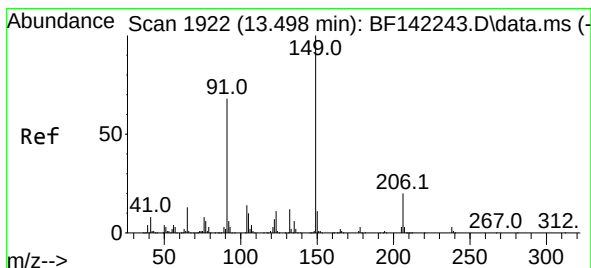
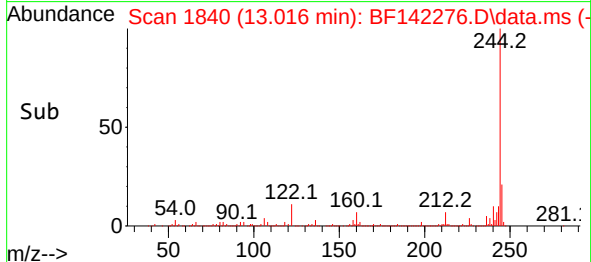
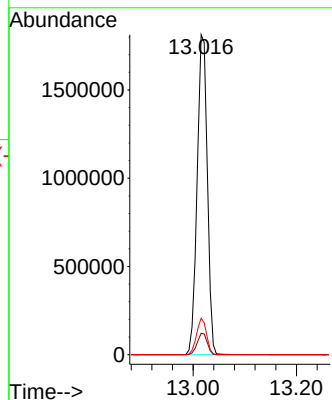
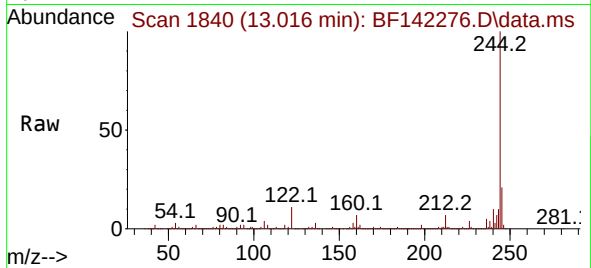




#79
 Terphenyl-d14
 Concen: 68.104 ng
 RT: 13.016 min Scan# 1841
 Delta R.T. -0.006 min
 Lab File: BF142276.D
 Acq: 02 May 2025 11:58

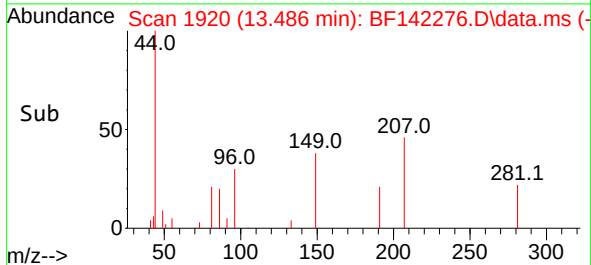
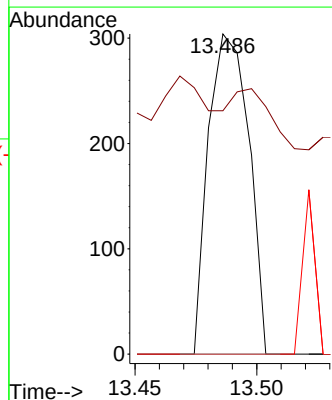
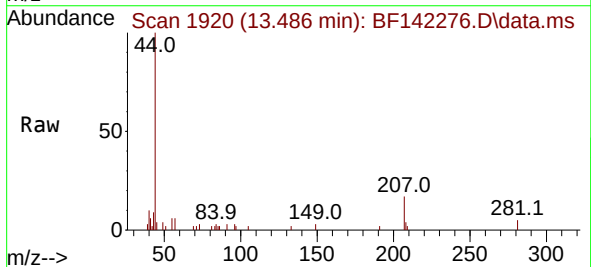
Instrument :
 BNA_F
 ClientSampleId :
 B-167-SB01

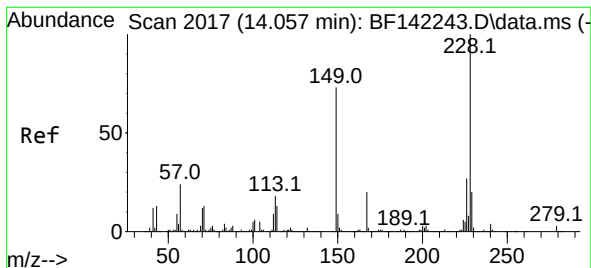
Tgt Ion:244 Resp: 2479112
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.3 7.9
 122 11.4 9.1 13.7



#80
 Butylbenzylphthalate
 Concen: 3.741 ng
 RT: 13.486 min Scan# 1920
 Delta R.T. -0.012 min
 Lab File: BF142276.D
 Acq: 02 May 2025 11:58

Tgt Ion:149 Resp: 351
 Ion Ratio Lower Upper
 149 100
 91 76.0 54.4 81.6
 206 0.0 15.9 23.9#





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.511 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF142276.D

Acq: 02 May 2025 11:58

Instrument :

BNA_F

ClientSampleId :

B-167-SB01

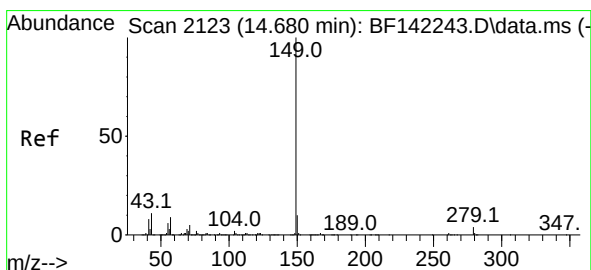
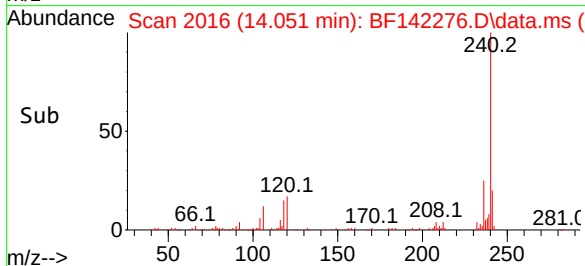
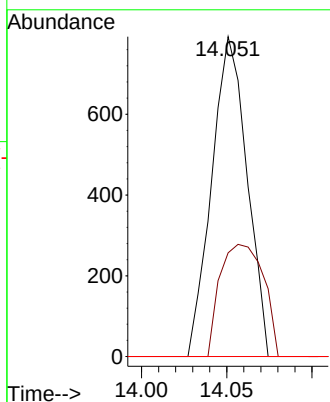
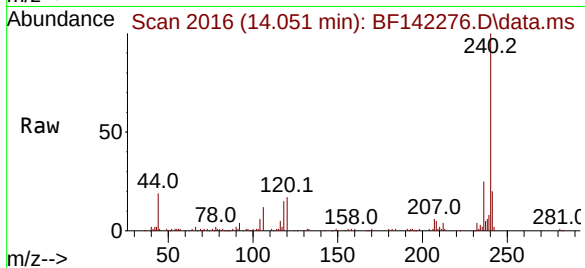
Tgt Ion:149 Resp: 1139

Ion Ratio Lower Upper

149 100

167 32.4 21.7 32.5

279 0.0 3.0 4.4#



#85

Di-n-octyl phthalate

Concen: 6.078 ng

RT: 14.698 min Scan# 2126

Delta R.T. 0.018 min

Lab File: BF142276.D

Acq: 02 May 2025 11:58

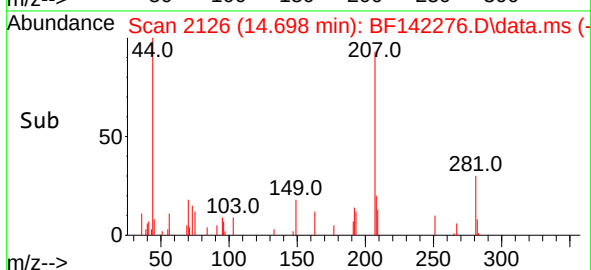
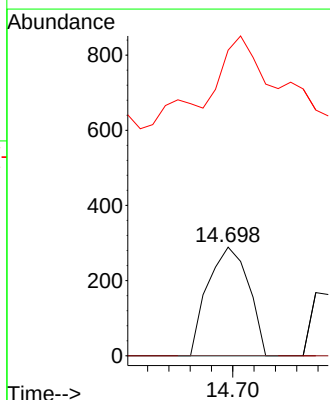
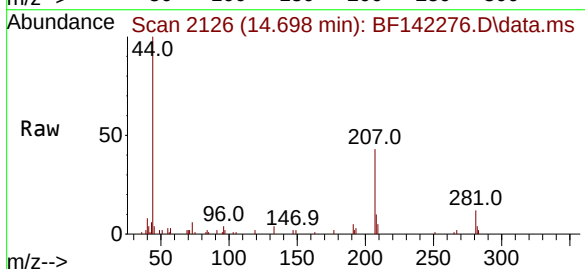
Tgt Ion:149 Resp: 386

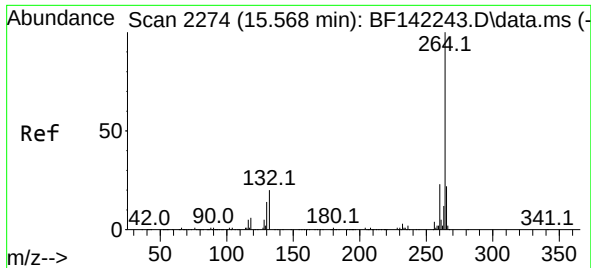
Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

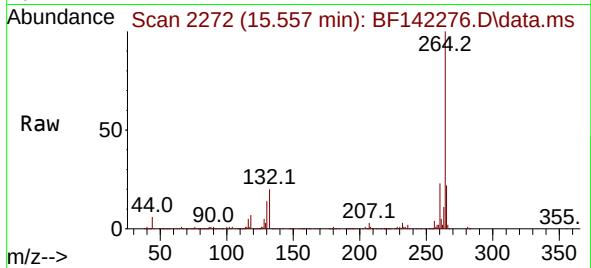
43 143.0 9.3 13.9#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF142276.D
 Acq: 02 May 2025 11:58

Instrument :
 BNA_F
 ClientSampleId :
 B-167-SB01



Tgt Ion:264 Resp: 393063
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.4 27.6
 265 21.5 17.3 25.9

