

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
 Data File : BF142271.D
 Acq On : 01 May 2025 20:20
 Operator : RC/JU
 Sample : Q1901-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-167-SB02

Quant Time: May 02 01:09:36 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)

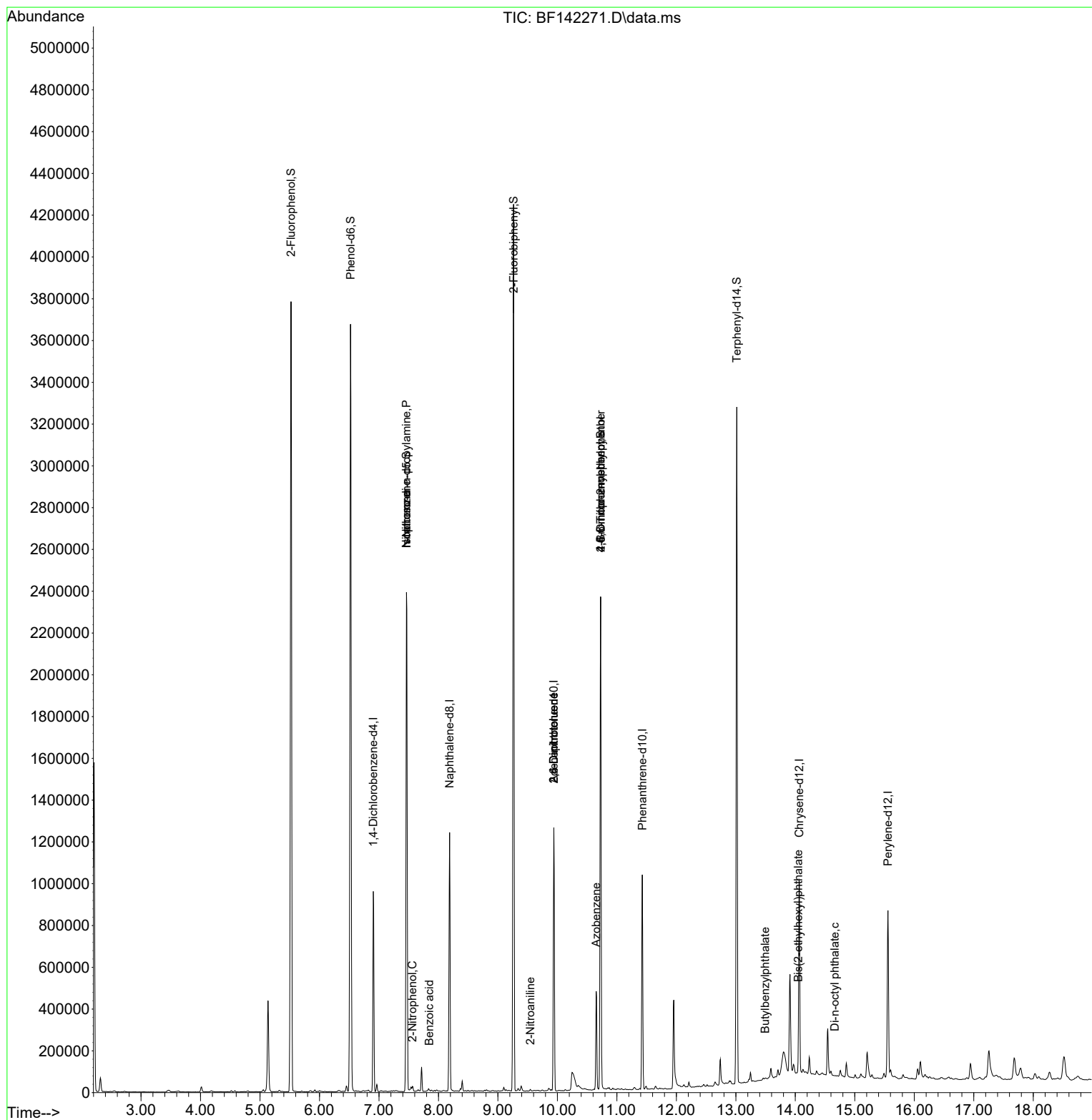
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	201306	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	748548	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	358843	20.000	ng	-0.01
64) Phenanthrene-d10	11.427	188	508457	20.000	ng	0.00
76) Chrysene-d12	14.069	240	449365	20.000	ng	0.00
86) Perylene-d12	15.557	264	455676	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1499481	118.961	ng	0.00
7) Phenol-d6	6.522	99	1822753	119.751	ng	0.00
23) Nitrobenzene-d5	7.463	82	1039957	91.273	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	399389	122.087	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1870790	73.507	ng	0.00
79) Terphenyl-d14	13.016	244	1540049	49.845	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	140728	14.962	ng	# 80
25) Isophorone	7.463	82	1039307	43.463	ng	# 64
26) 2-Nitrophenol	7.563	139	303	5.000	ng	# 34
32) Benzoic acid	7.845	122	1276	10.980	ng	90
48) 2-Nitroaniline	9.545	65	805	4.901	ng	# 3
51) 2,6-Dinitrotoluene	9.939	165	46365	13.672	ng	# 24
57) 2,4-Dinitrotoluene	9.939	165	46365	12.814	ng	# 23
63) Azobenzene	10.651	77	115149	5.144	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.728	198	884	11.022	ng	# 1
67) 4-Bromophenyl-phenylether	10.728	248	25044	4.423	ng	# 1
80) Butylbenzylphthalate	13.492	149	361	3.746	ng	# 86
84) Bis(2-ethylhexyl)phtha...	14.051	149	2900	3.626	ng	# 91
85) Di-n-octyl phthalate	14.663	149	611	6.087	ng	# 73

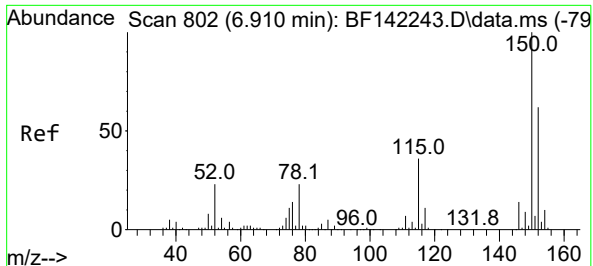
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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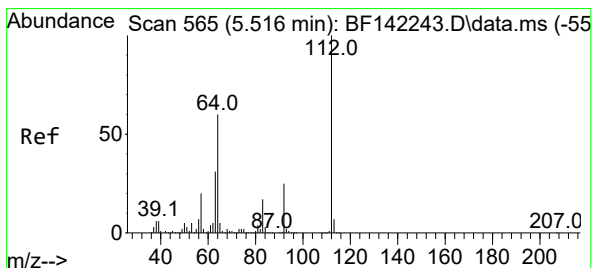
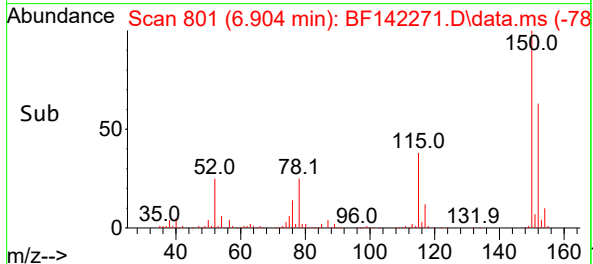
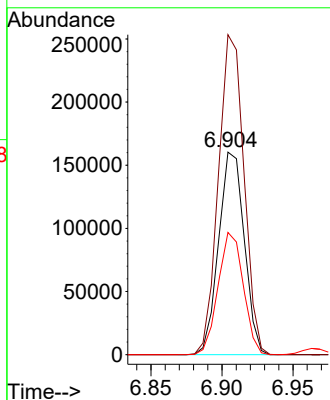
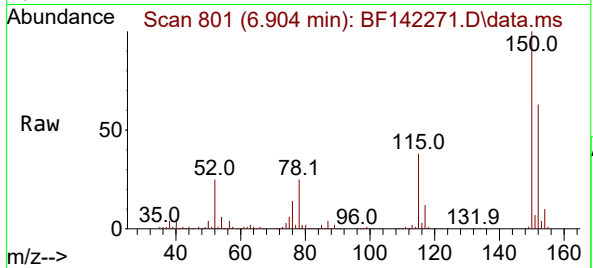




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142271.D
Acq: 01 May 2025 20:20

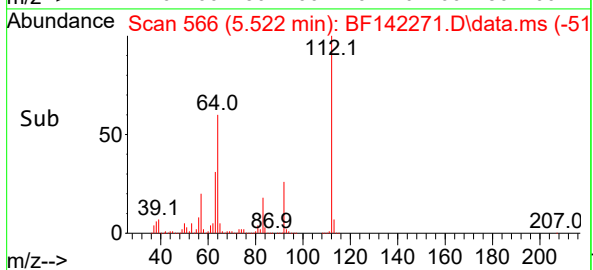
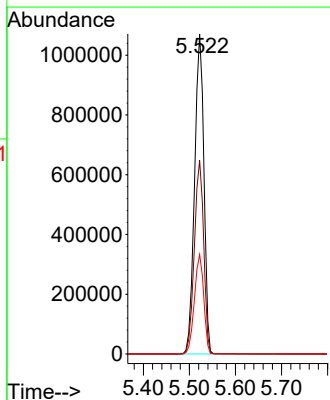
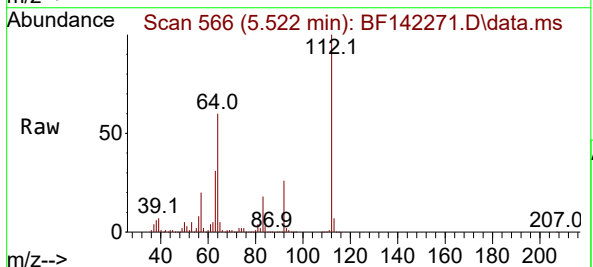
Instrument :
BNA_F
ClientSampleId :
B-167-SB02

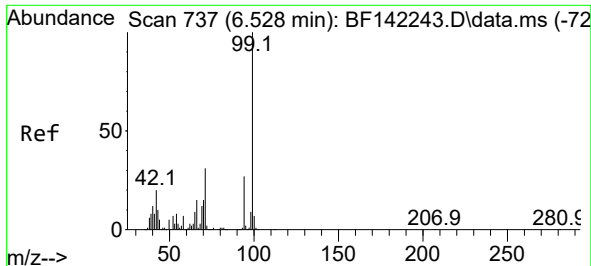
Tgt Ion:152 Resp: 201306
Ion Ratio Lower Upper
152 100
150 158.0 130.2 195.2
115 60.3 47.0 70.4



#5
2-Fluorophenol
Concen: 118.961 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.006 min
Lab File: BF142271.D
Acq: 01 May 2025 20:20

Tgt Ion:112 Resp: 1499481
Ion Ratio Lower Upper
112 100
64 60.5 48.4 72.6
63 31.0 24.8 37.2

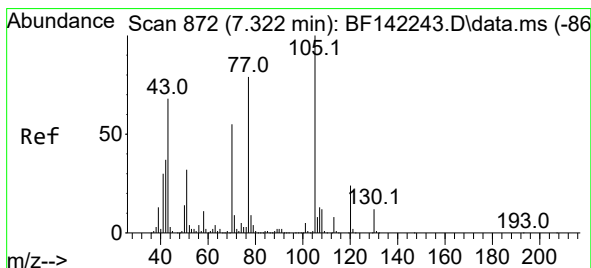
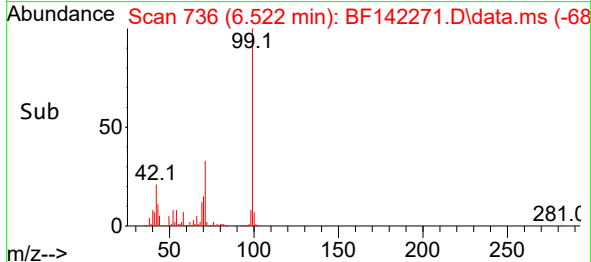
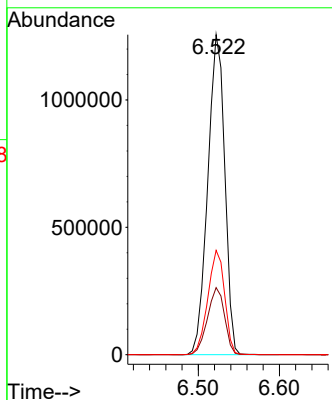
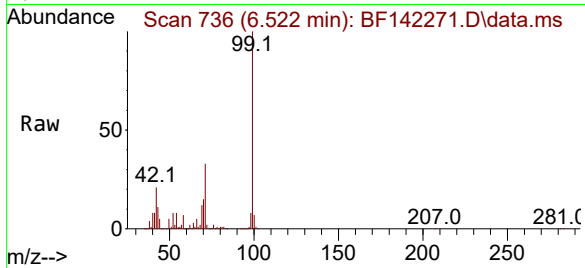




#7
Phenol-d6
Concen: 119.751 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142271.D
Acq: 01 May 2025 20:20

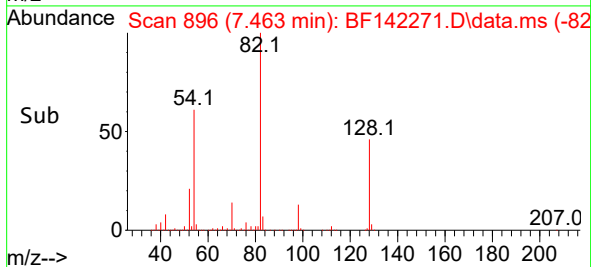
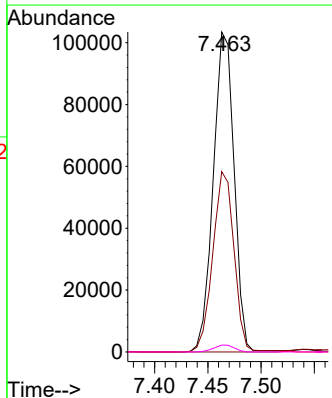
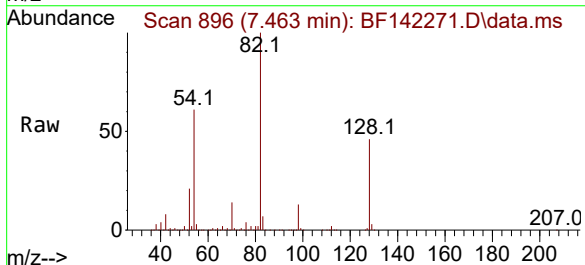
Instrument :
BNA_F
ClientSampleId :
B-167-SB02

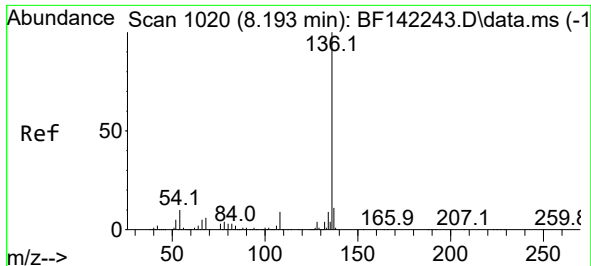
Tgt Ion: 99 Resp: 1822753
Ion Ratio Lower Upper
99 100
42 21.0 16.3 24.5
71 32.6 25.0 37.4



#19
n-Nitroso-di-n-propylamine
Concen: 14.962 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.141 min
Lab File: BF142271.D
Acq: 01 May 2025 20:20

Tgt Ion: 70 Resp: 140728
Ion Ratio Lower Upper
70 100
42 56.3 53.4 80.2
101 0.0 7.7 11.5#
130 2.1 17.2 25.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.187 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142271.D

Acq: 01 May 2025 20:20

Instrument :

BNA_F

ClientSampleId :

B-167-SB02

Tgt Ion:136 Resp: 748548

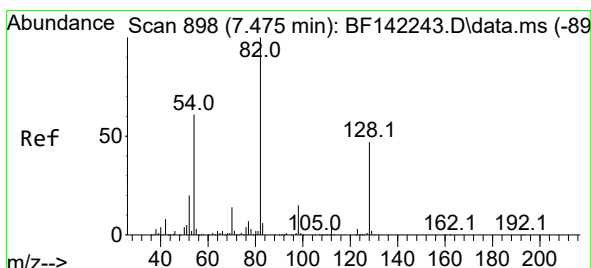
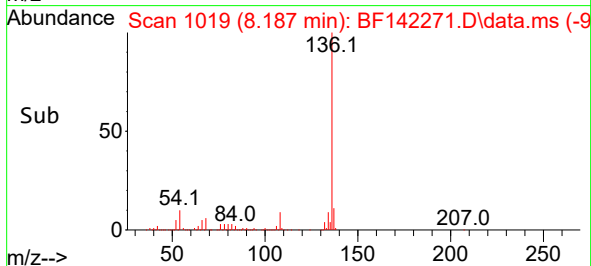
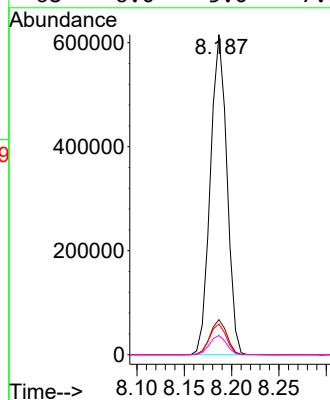
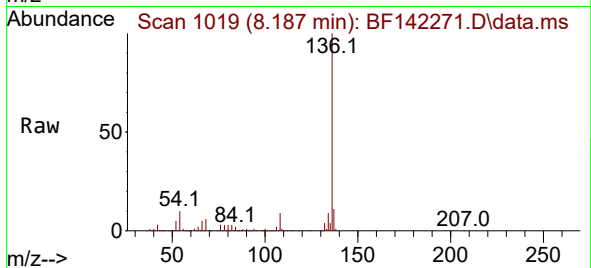
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 9.6 7.7 11.5

68 6.0 5.0 7.6



#23

Nitrobenzene-d5

Concen: 91.273 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF142271.D

Acq: 01 May 2025 20:20

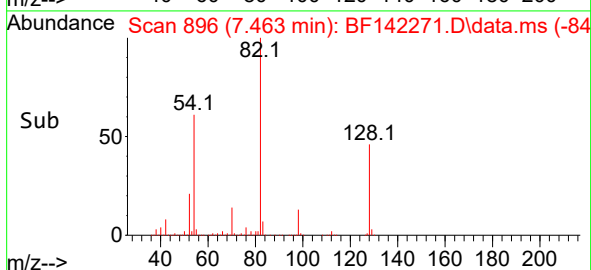
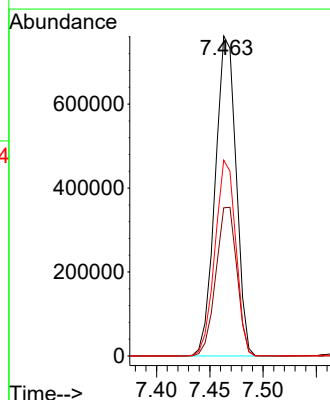
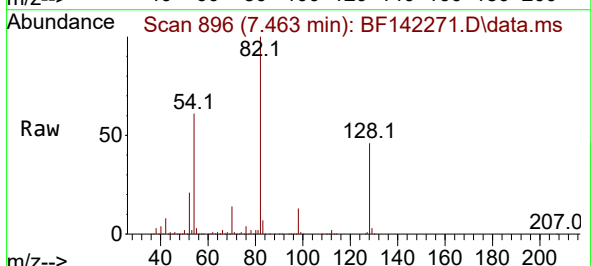
Tgt Ion: 82 Resp: 1039957

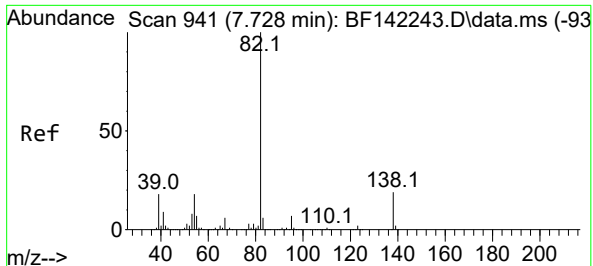
Ion Ratio Lower Upper

82 100

128 46.3 37.0 55.6

54 61.2 48.0 72.0

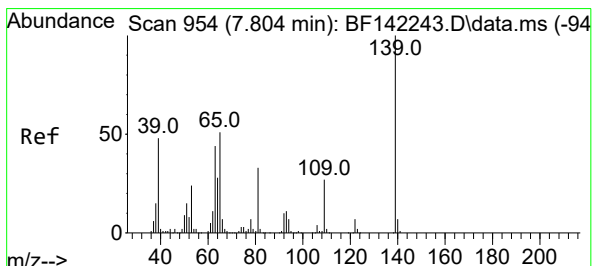
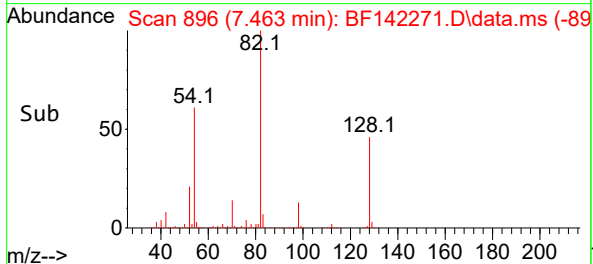
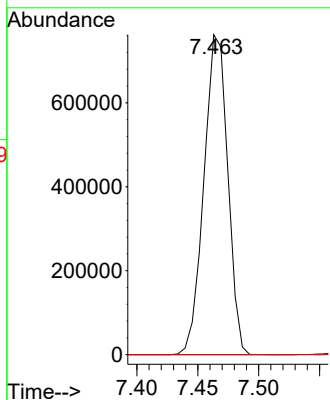
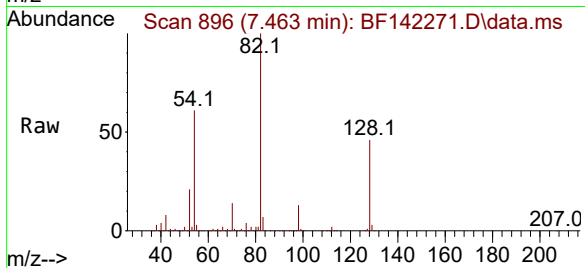




#25
Isophorone
Concen: 43.463 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF142271.D
Acq: 01 May 2025 20:20

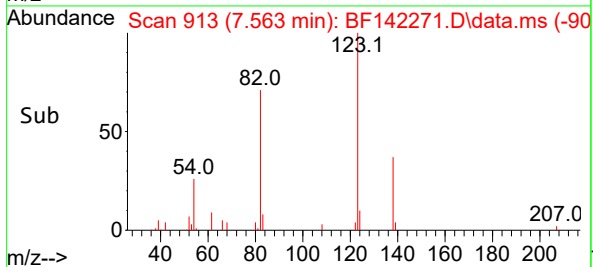
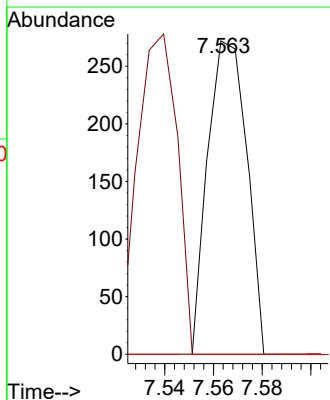
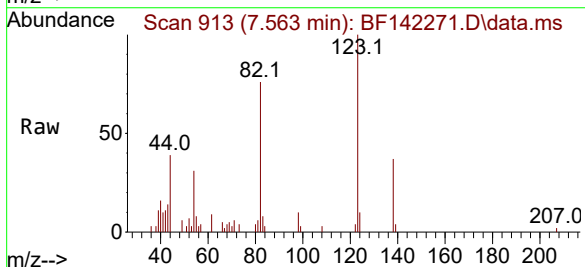
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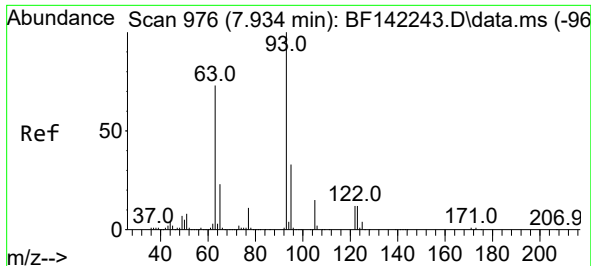
Tgt Ion: 82 Resp: 1039307
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 15.3 22.9#



#26
2-Nitrophenol
Concen: 5.000 ng
RT: 7.563 min Scan# 913
Delta R.T. -0.241 min
Lab File: BF142271.D
Acq: 01 May 2025 20:20

Tgt Ion:139 Resp: 303
Ion Ratio Lower Upper
139 100
109 0.0 21.8 32.8#
65 0.0 41.1 61.7#

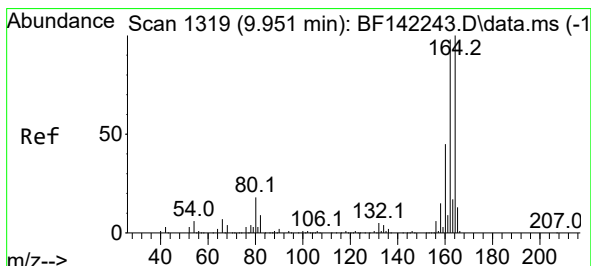
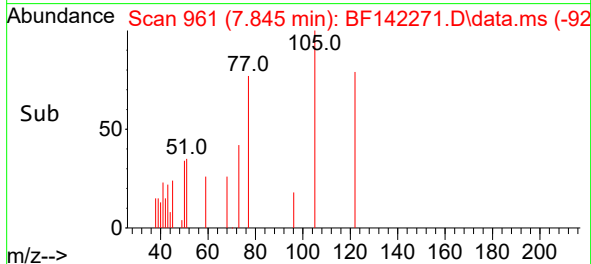
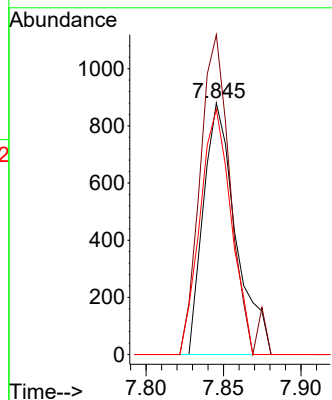
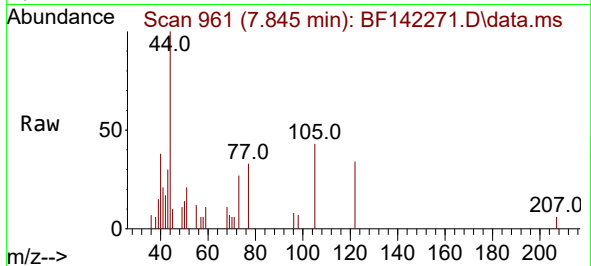




#32
Benzoic acid
Concen: 10.980 ng
RT: 7.845 min Scan# 90
Delta R.T. -0.089 min
Lab File: BF142271.D
Acq: 01 May 2025 20:20

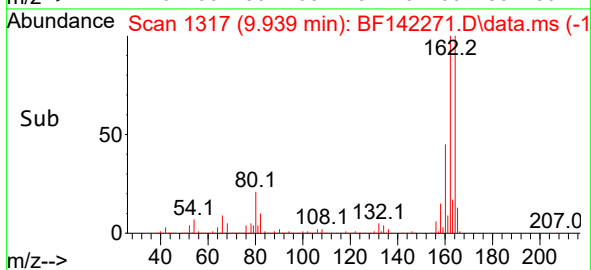
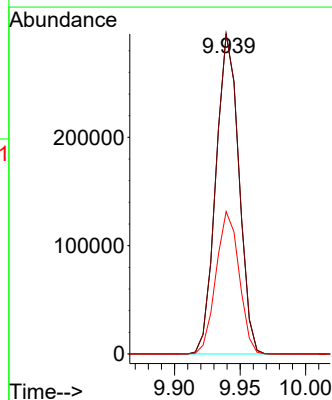
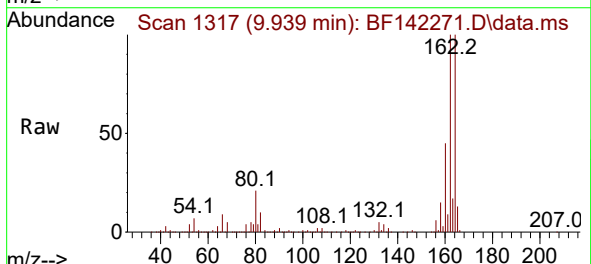
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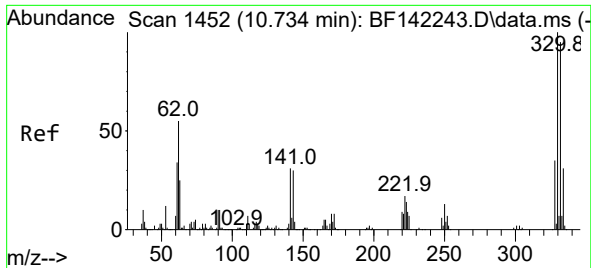
Tgt Ion:122 Resp: 1276
Ion Ratio Lower Upper
122 100
105 127.2 98.2 138.2
77 97.5 66.8 106.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.012 min
Lab File: BF142271.D
Acq: 01 May 2025 20:20

Tgt Ion:164 Resp: 358843
Ion Ratio Lower Upper
164 100
162 99.9 78.6 117.8
160 44.5 35.7 53.5

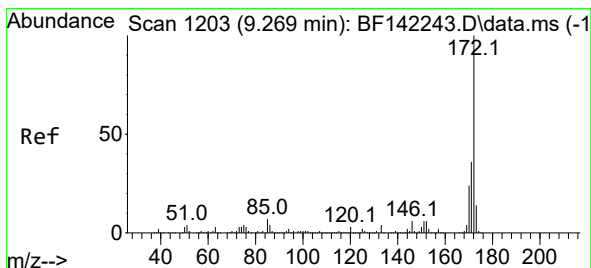
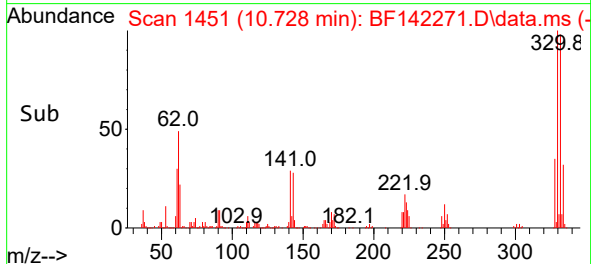
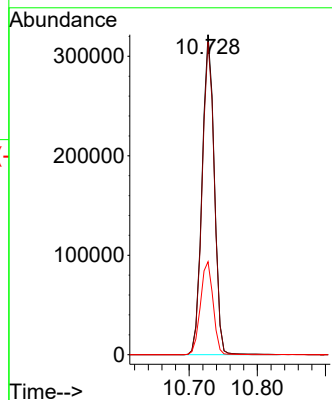
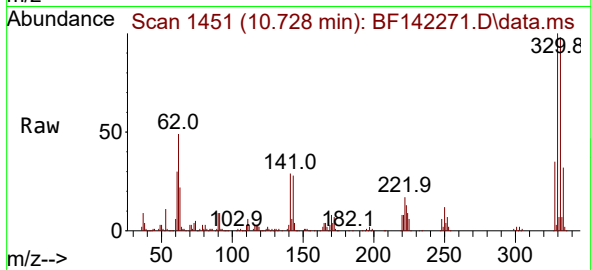




#42
2,4,6-Tribromophenol
Concen: 122.087 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142271.D
Acq: 01 May 2025 20:20

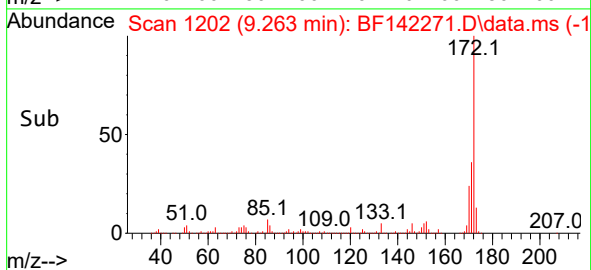
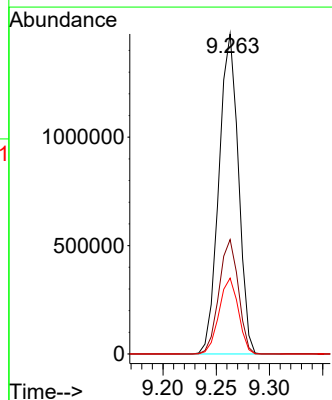
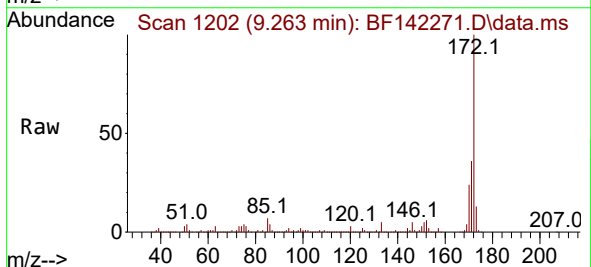
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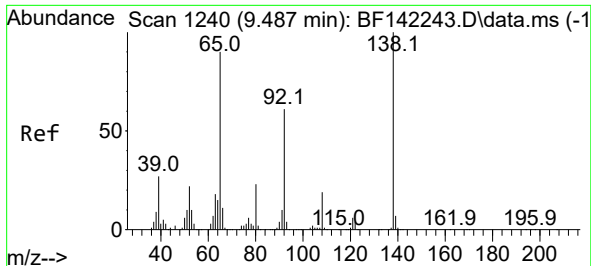
Tgt Ion: 330 Resp: 399389
Ion Ratio Lower Upper
330 100
332 97.5 76.5 114.7
141 30.0 24.3 36.5



#45
2-Fluorobiphenyl
Concen: 73.507 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF142271.D
Acq: 01 May 2025 20:20

Tgt Ion: 172 Resp: 1870790
Ion Ratio Lower Upper
172 100
171 35.8 29.0 43.4
170 23.7 19.4 29.0

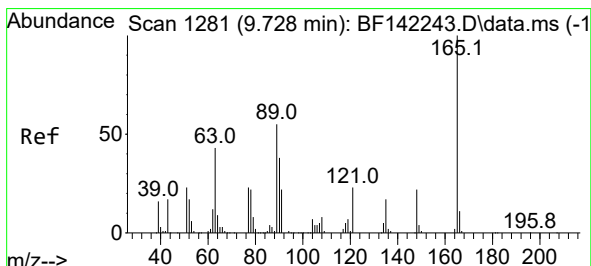
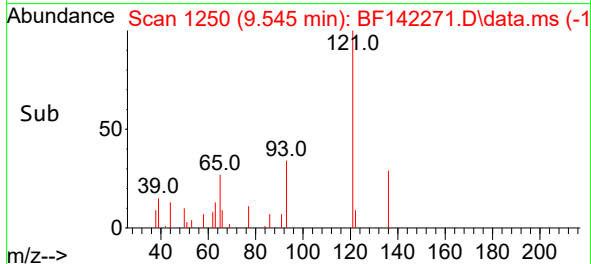
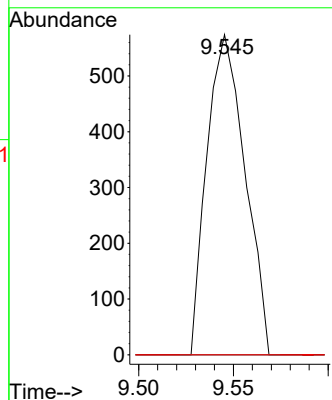
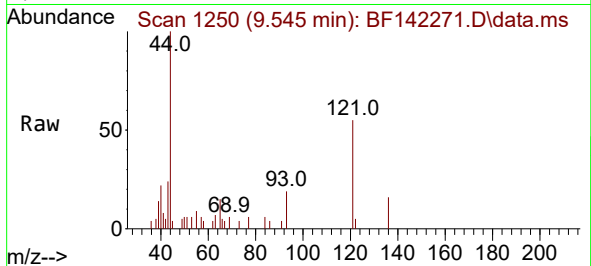




#48
2-Nitroaniline
Concen: 4.901 ng
RT: 9.545 min Scan# 11
Delta R.T. 0.058 min
Lab File: BF142271.D
Acq: 01 May 2025 20:20

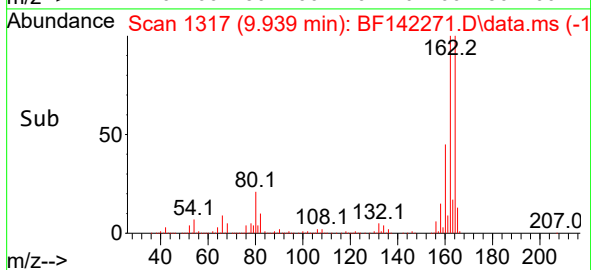
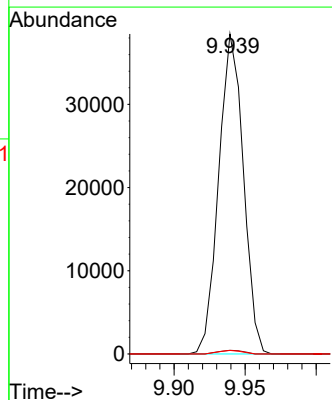
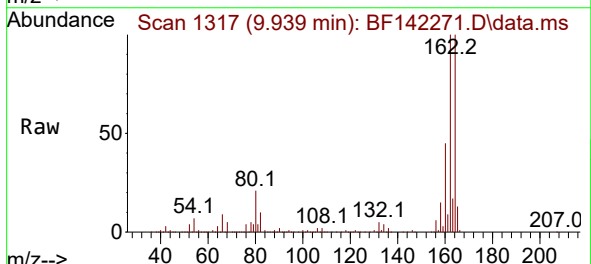
Instrument :
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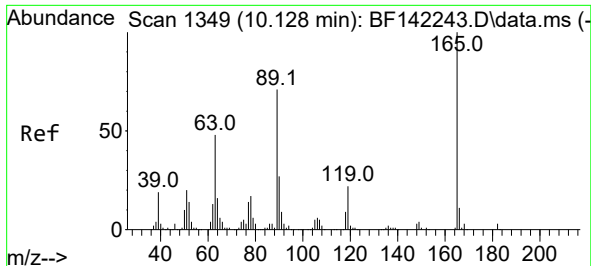
Tgt Ion: 65 Resp: 805
Ion Ratio Lower Upper
65 100
92 0.0 54.3 81.5#
138 0.0 88.6 133.0#



#51
2,6-Dinitrotoluene
Concen: 13.672 ng
RT: 9.939 min Scan# 1317
Delta R.T. 0.211 min
Lab File: BF142271.D
Acq: 01 May 2025 20:20

Tgt Ion: 165 Resp: 46365
Ion Ratio Lower Upper
165 100
63 1.1 48.5 72.7#
89 1.1 43.9 65.9#

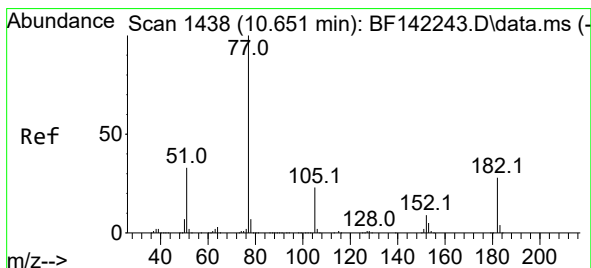
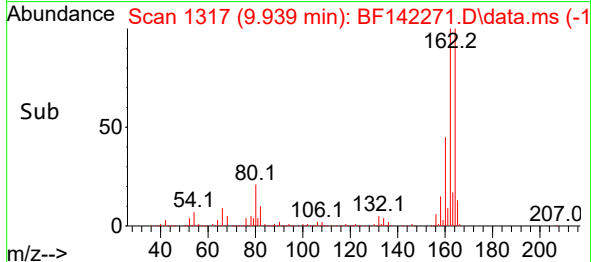
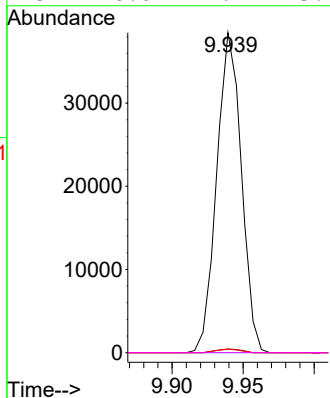
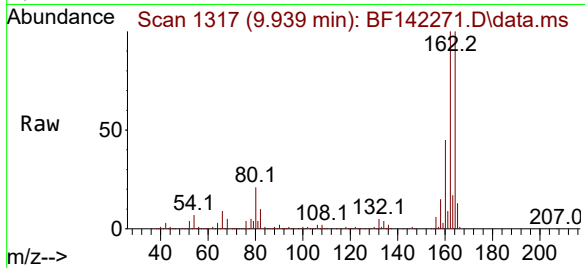




#57
2,4-Dinitrotoluene
Concen: 12.814 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.189 min
Lab File: BF142271.D
Acq: 01 May 2025 20:20

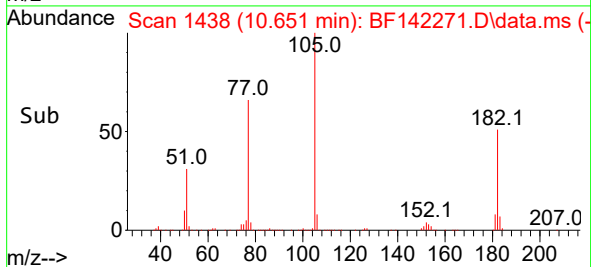
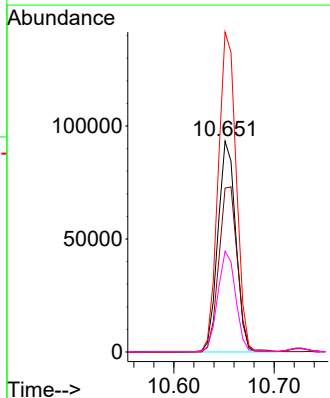
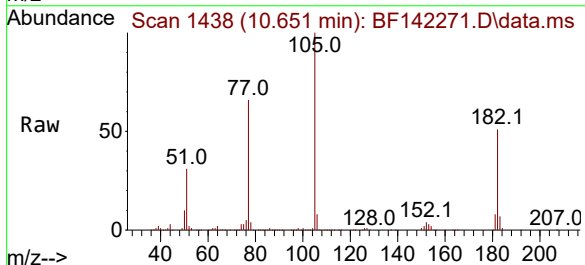
Instrument :
BNA_F
ClientSampleId :
B-167-SB02

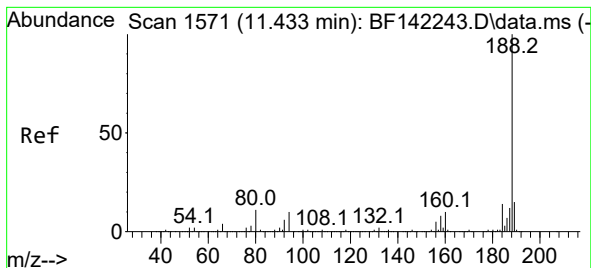
Tgt Ion:165 Resp: 46365
Ion Ratio Lower Upper
165 100
63 1.1 38.8 58.2#
89 1.1 57.1 85.7#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 5.144 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.000 min
Lab File: BF142271.D
Acq: 01 May 2025 20:20

Tgt Ion: 77 Resp: 115149
Ion Ratio Lower Upper
77 100
182 77.8 7.3 47.3#
105 151.9 2.5 42.5#
51 47.8 14.4 54.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.427 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142271.D

Acq: 01 May 2025 20:20

Instrument :

BNA_F

ClientSampleId :

B-167-SB02

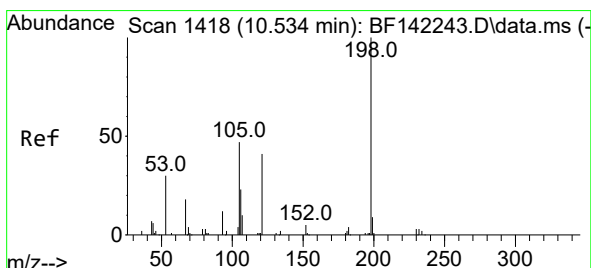
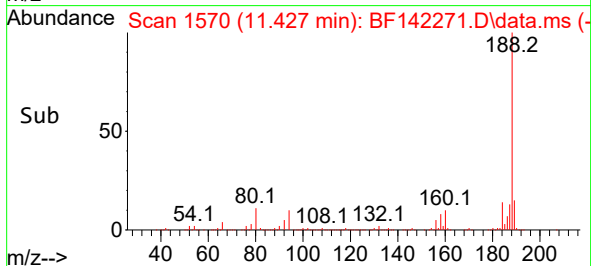
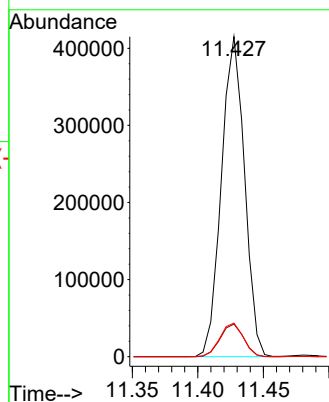
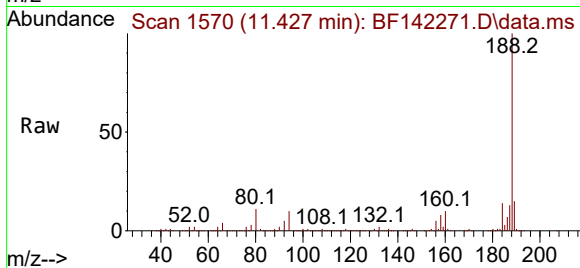
Tgt Ion:188 Resp: 508457

Ion Ratio Lower Upper

188 100

94 10.2 8.2 12.2

80 10.5 8.6 12.8



#65

4,6-Dinitro-2-methylphenol

Concen: 11.022 ng

RT: 10.728 min Scan# 1451

Delta R.T. 0.194 min

Lab File: BF142271.D

Acq: 01 May 2025 20:20

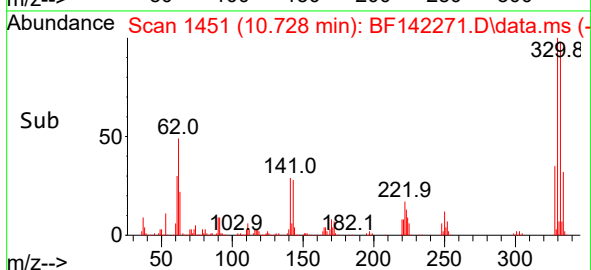
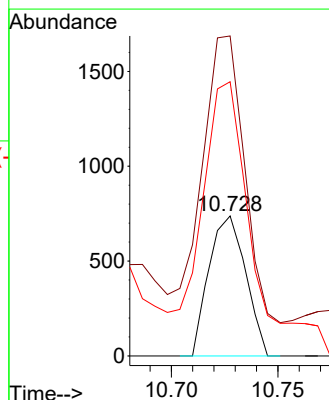
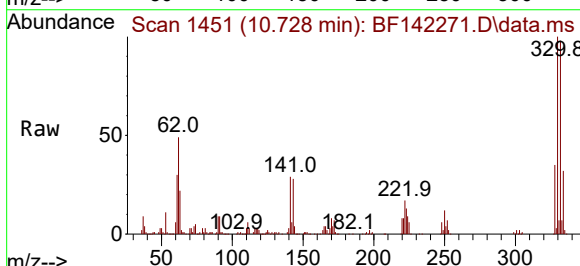
Tgt Ion:198 Resp: 884

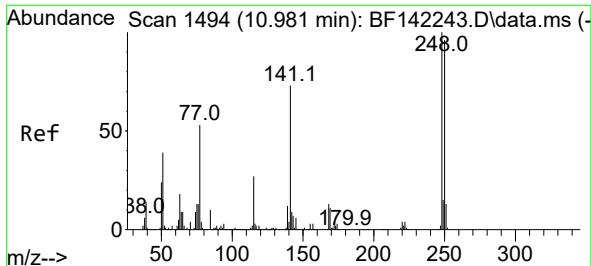
Ion Ratio Lower Upper

198 100

51 228.6 40.6 80.6#

105 195.9 29.2 69.2#

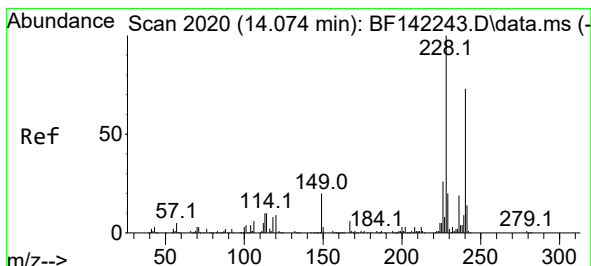
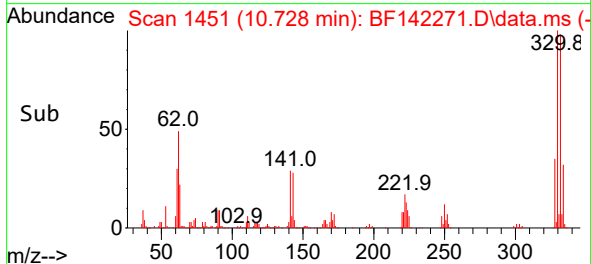
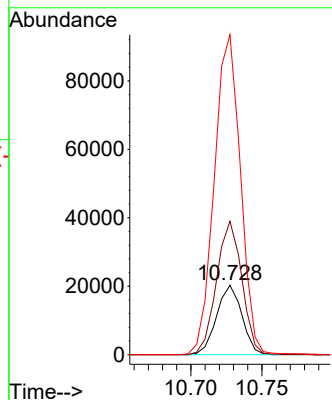
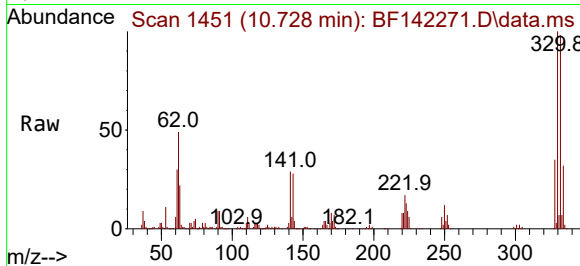




#67
4-Bromophenyl-phenylether
Concen: 4.423 ng
RT: 10.728 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142271.D
Acq: 01 May 2025 20:20

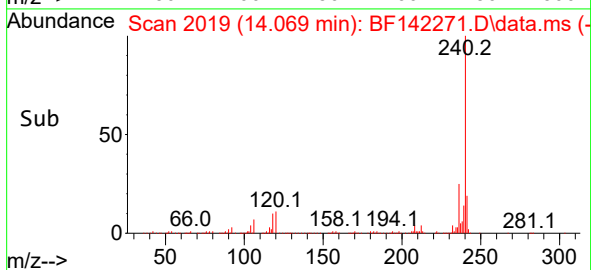
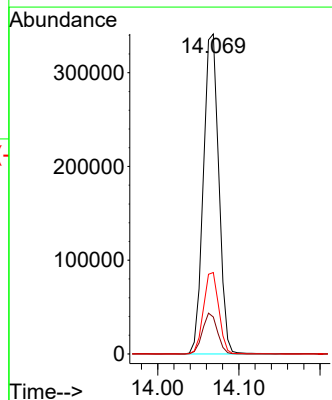
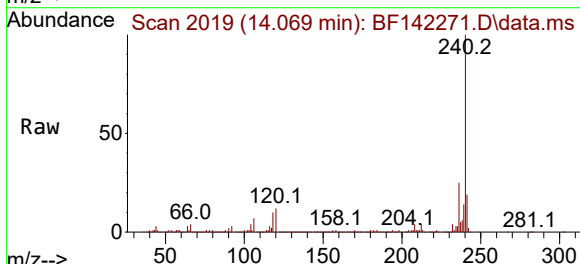
Instrument :
BNA_F
ClientSampleId :
B-167-SB02

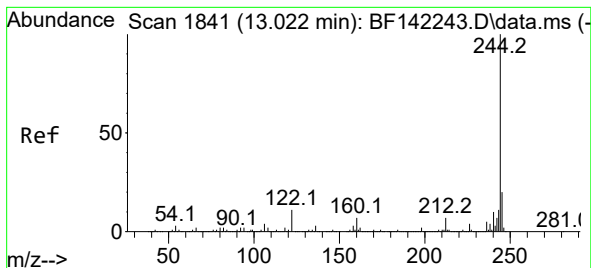
Tgt Ion:248 Resp: 25044
Ion Ratio Lower Upper
248 100
250 192.0 77.2 115.8#
141 460.5 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142271.D
Acq: 01 May 2025 20:20

Tgt Ion:240 Resp: 449365
Ion Ratio Lower Upper
240 100
120 11.6 10.1 15.1
236 25.5 20.5 30.7





#79

Terphenyl-d14

Concen: 49.845 ng

RT: 13.016 min Scan# 1840

Delta R.T. -0.006 min

Lab File: BF142271.D

Acq: 01 May 2025 20:20

Instrument :

BNA_F

ClientSampleId :

B-167-SB02

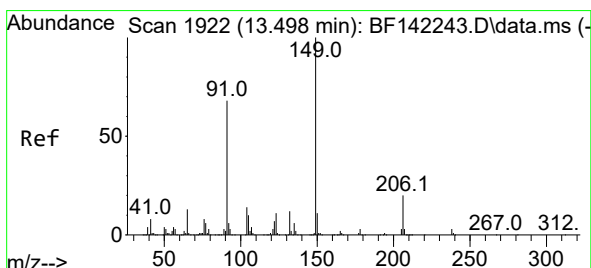
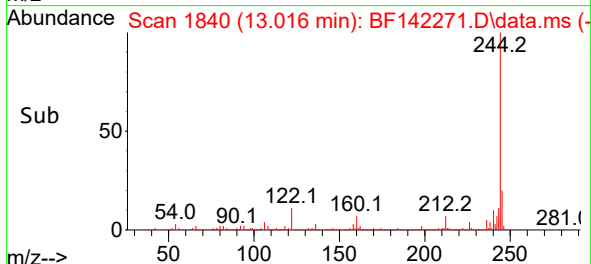
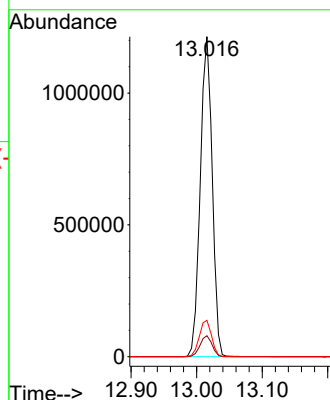
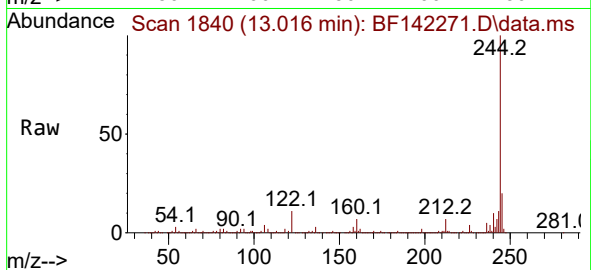
Tgt Ion:244 Resp: 1540049

Ion Ratio Lower Upper

244 100

212 6.6 5.3 7.9

122 11.3 9.1 13.7



#80

Butylbenzylphthalate

Concen: 3.746 ng

RT: 13.492 min Scan# 1921

Delta R.T. -0.006 min

Lab File: BF142271.D

Acq: 01 May 2025 20:20

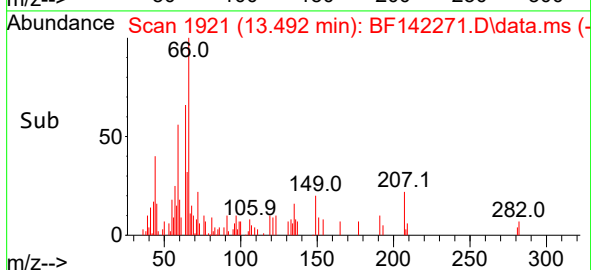
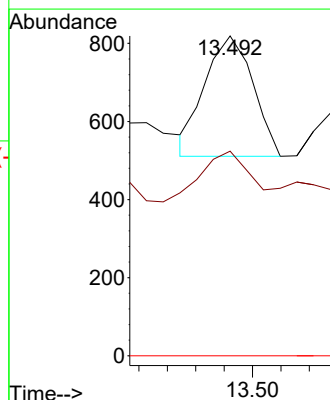
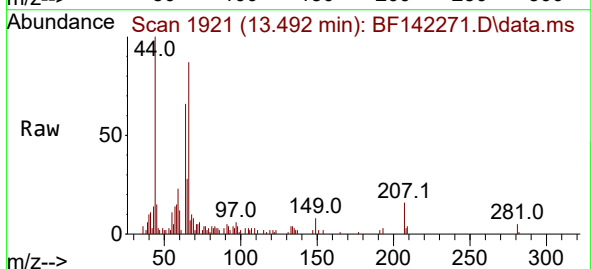
Tgt Ion:149 Resp: 361

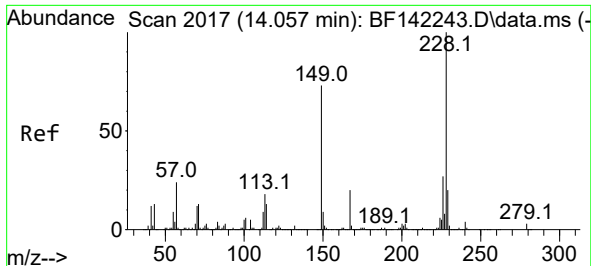
Ion Ratio Lower Upper

149 100

91 64.0 54.4 81.6

206 0.0 15.9 23.9#

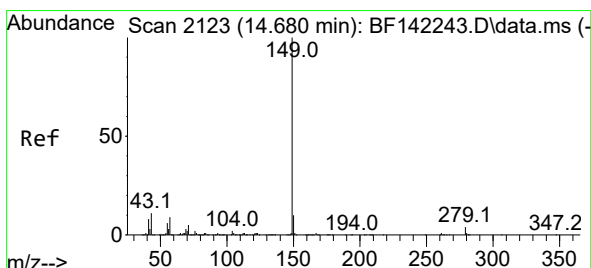
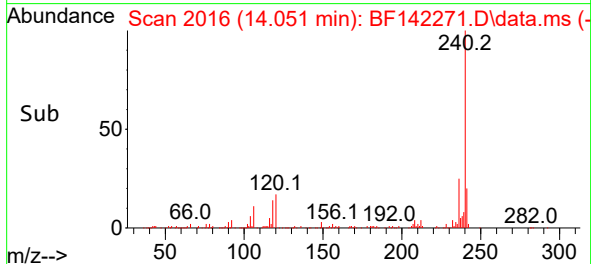
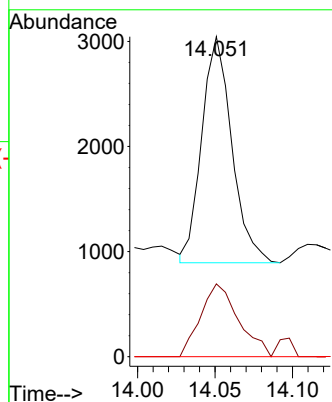
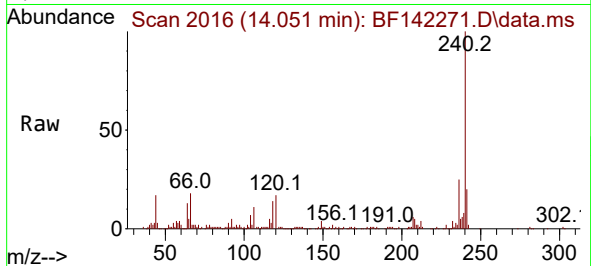




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.626 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142271.D
Acq: 01 May 2025 20:20

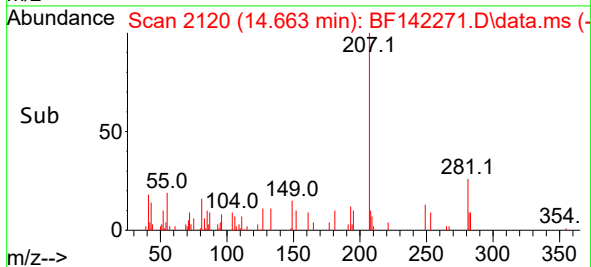
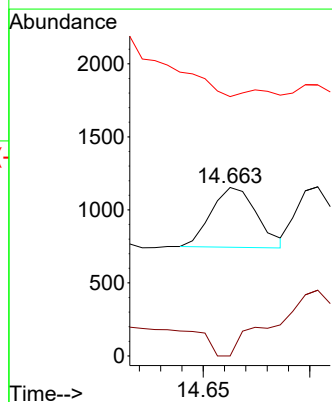
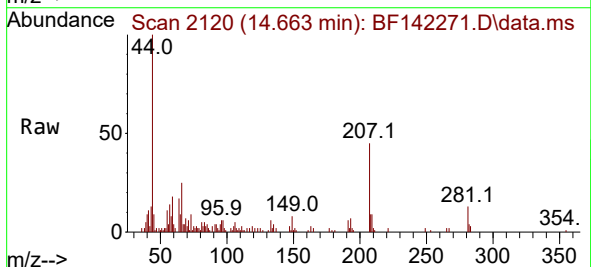
Instrument :
BNA_F
ClientSampleId :
B-167-SB02

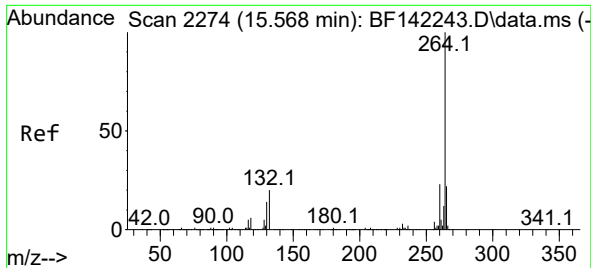
Tgt Ion:149 Resp: 2900
Ion Ratio Lower Upper
149 100
167 22.8 21.7 32.5
279 0.0 3.0 4.4#



#85
Di-n-octyl phthalate
Concen: 6.087 ng
RT: 14.663 min Scan# 2120
Delta R.T. -0.017 min
Lab File: BF142271.D
Acq: 01 May 2025 20:20

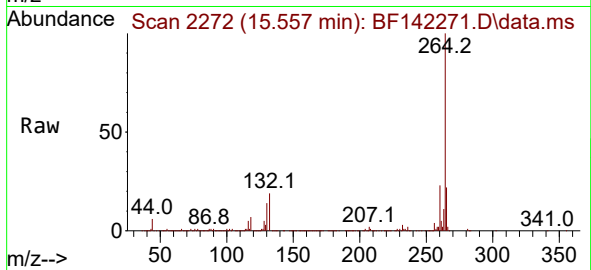
Tgt Ion:149 Resp: 611
Ion Ratio Lower Upper
149 100
167 0.0 1.1 1.7#
43 0.0 9.3 13.9#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF142271.D
Acq: 01 May 2025 20:20

Instrument :
BNA_F
ClientSampleId :
B-167-SB02



Tgt Ion:264 Resp: 455676
Ion Ratio Lower Upper
264 100
260 23.0 18.4 27.6
265 21.7 17.3 25.9

