

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
 Data File : BF142260.D
 Acq On : 01 May 2025 15:06
 Operator : RC/JU
 Sample : Q1913-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-13-A-202504

Quant Time: May 01 16:06:15 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)

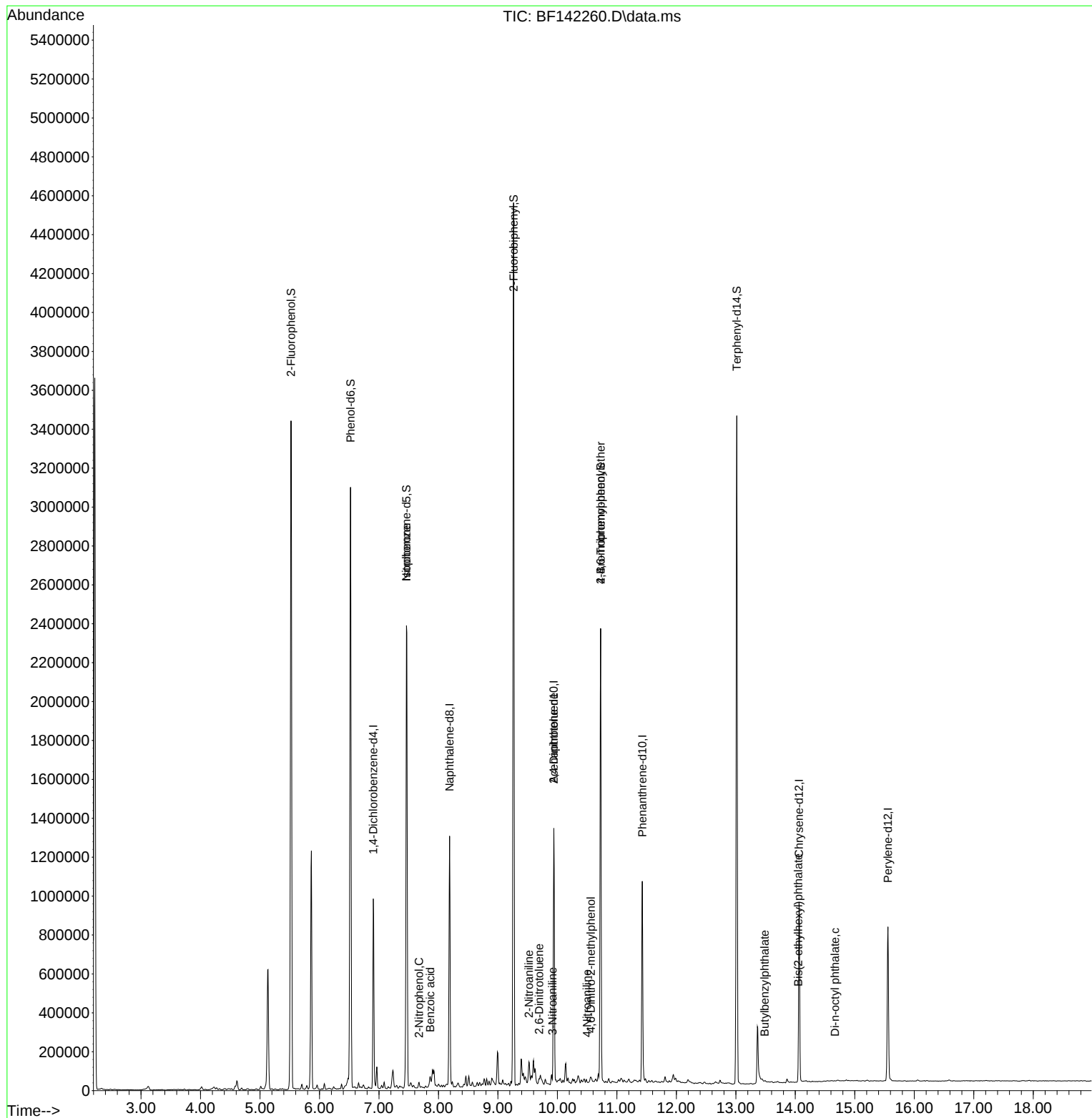
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	204789	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	767468	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	376081	20.000	ng	-0.01
64) Phenanthrene-d10	11.428	188	513009	20.000	ng	0.00
76) Chrysene-d12	14.063	240	437449	20.000	ng	-0.01
86) Perylene-d12	15.557	264	449964	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1326202	103.425	ng	0.00
7) Phenol-d6	6.522	99	1488335	96.118	ng	0.00
23) Nitrobenzene-d5	7.463	82	1032163	88.356	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	393522	114.780	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1997930	74.904	ng	0.00
79) Terphenyl-d14	13.016	244	1664870	55.353	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.463	82	1029940	42.009	ng	# 64
26) 2-Nitrophenol	7.675	139	183	4.973	ng	# 1
32) Benzoic acid	7.863	122	12218	12.418	ng	92
48) 2-Nitroaniline	9.522	65	463	4.842	ng	# 32
51) 2,6-Dinitrotoluene	9.692	165	2723	4.565	ng	# 47
53) 3-Nitroaniline	9.916	138	115	3.208	ng	# 1
57) 2,4-Dinitrotoluene	9.939	165	48207	12.752	ng	# 24
62) 4-Nitroaniline	10.498	138	303	2.806	ng	# 42
65) 4,6-Dinitro-2-methylph...	10.563	198	152	10.681	ng	# 1
67) 4-Bromophenyl-phenylether	10.728	248	24120	4.222	ng	# 1
80) Butylbenzylphthalate	13.486	149	325	3.744	ng	# 1
84) Bis(2-ethylhexyl)phtha...	14.051	149	2504	3.606	ng	# 75
85) Di-n-octyl phthalate	14.669	149	321	6.078	ng	# 73

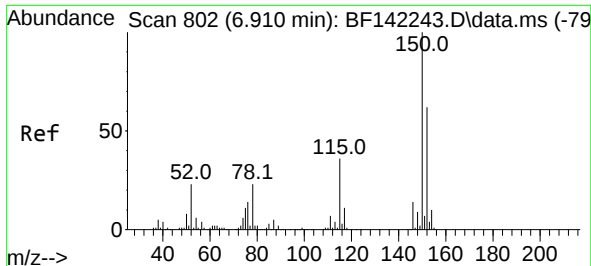
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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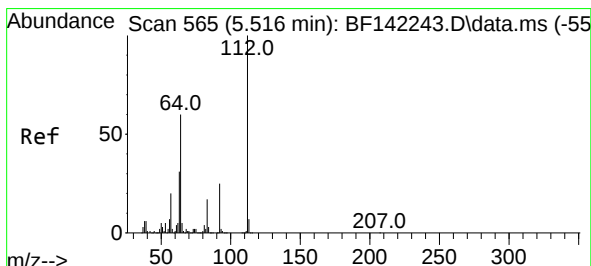
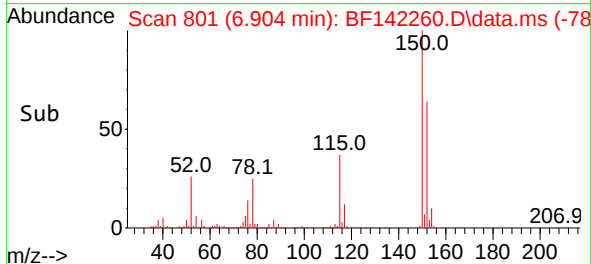
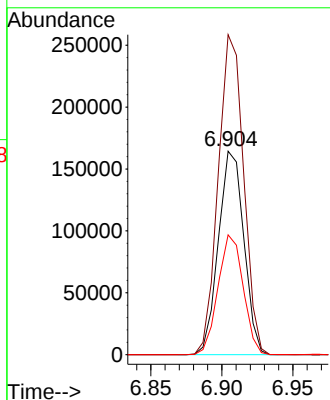
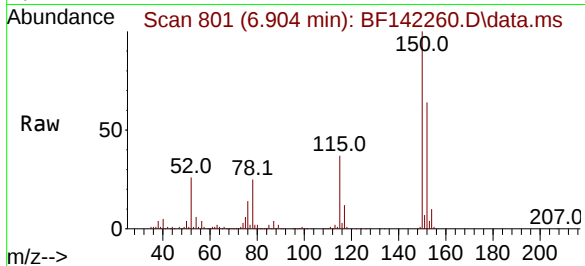




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142260.D
Acq: 01 May 2025 15:06

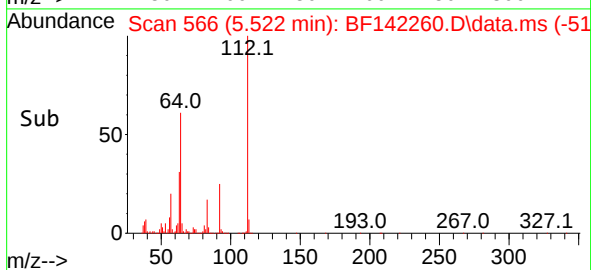
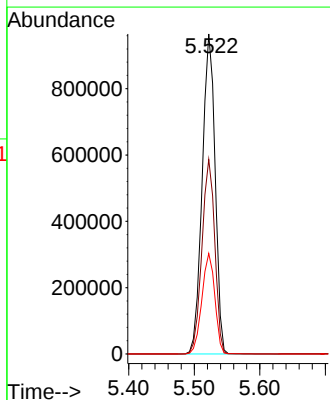
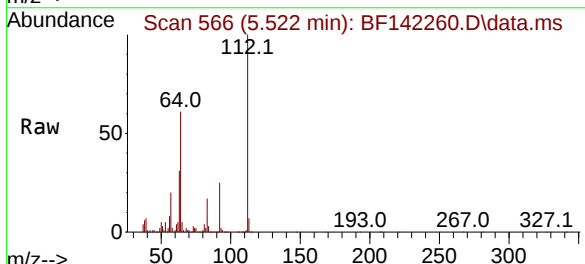
Instrument :
BNA_F
ClientSampleId :
WC-13-A-202504

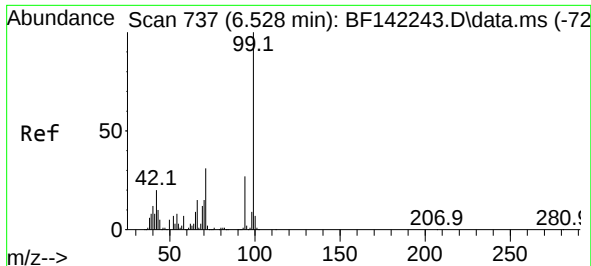
Tgt Ion:152 Resp: 204789
Ion Ratio Lower Upper
152 100
150 157.3 130.2 195.2
115 58.9 47.0 70.4



#5
2-Fluorophenol
Concen: 103.425 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.006 min
Lab File: BF142260.D
Acq: 01 May 2025 15:06

Tgt Ion:112 Resp: 1326202
Ion Ratio Lower Upper
112 100
64 60.8 48.4 72.6
63 31.4 24.8 37.2

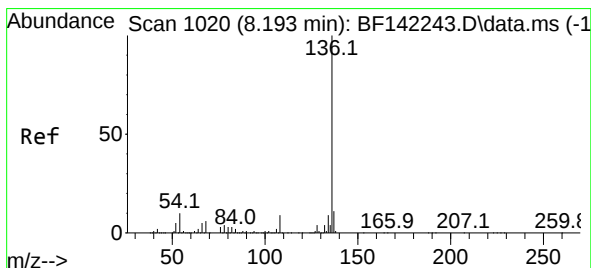
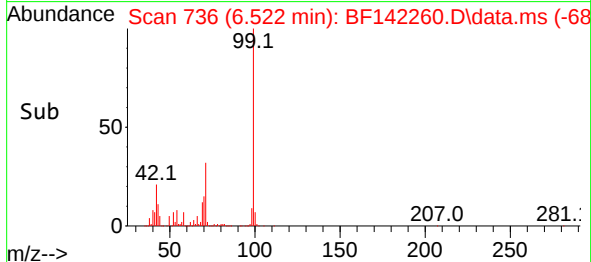
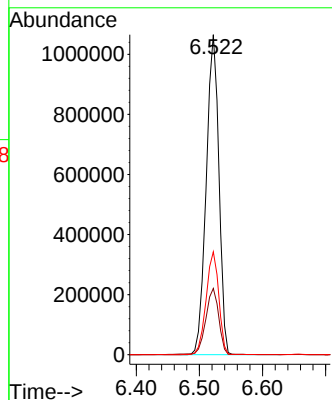
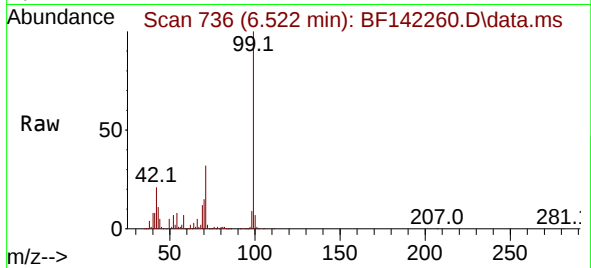




#7
Phenol-d6
Concen: 96.118 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142260.D
Acq: 01 May 2025 15:06

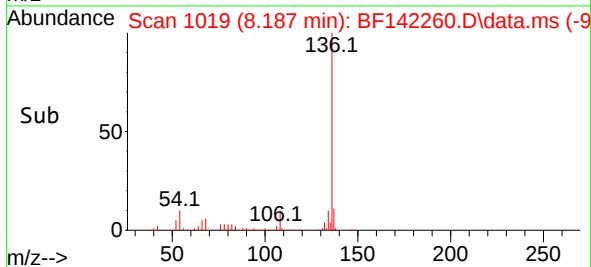
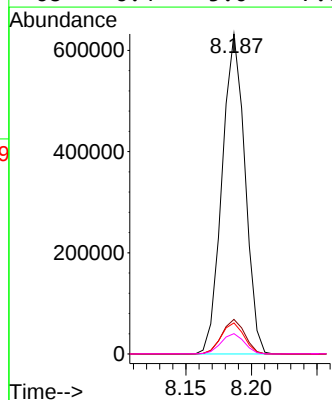
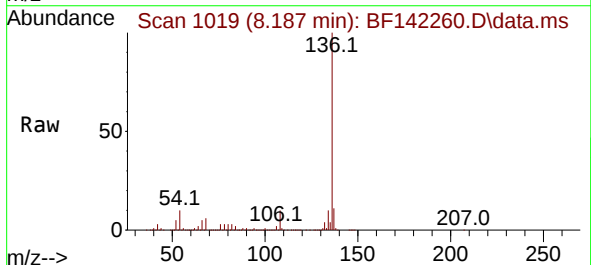
Instrument :
BNA_F
ClientSampleId :
WC-13-A-202504

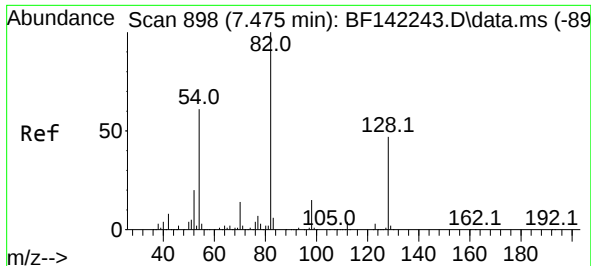
Tgt Ion: 99 Resp: 1488335
Ion Ratio Lower Upper
99 100
42 20.7 16.3 24.5
71 32.2 25.0 37.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142260.D
Acq: 01 May 2025 15:06

Tgt Ion: 136 Resp: 767468
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 9.7 7.7 11.5
68 6.4 5.0 7.6





#23

Nitrobenzene-d5

Concen: 88.356 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF142260.D

Acq: 01 May 2025 15:06

Instrument :

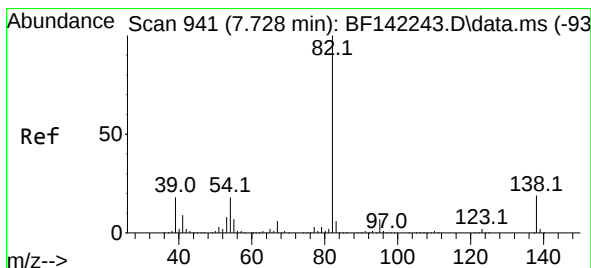
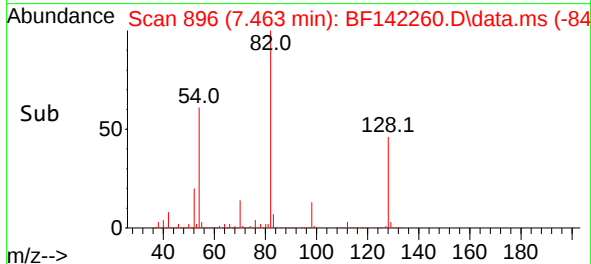
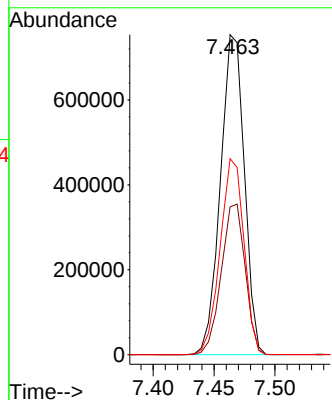
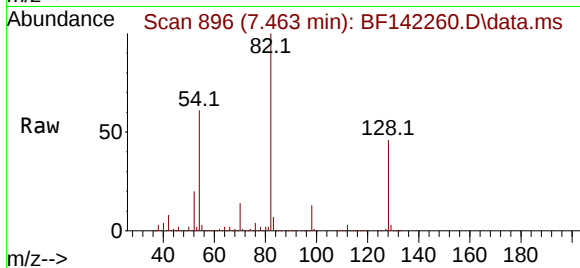
BNA_F

ClientSampleId :

WC-13-A-202504

Tgt Ion: 82 Resp: 1032163

Ion	Ratio	Lower	Upper
82	100		
128	46.2	37.0	55.6
54	61.2	48.0	72.0



#25

Isophorone

Concen: 42.009 ng

RT: 7.463 min Scan# 896

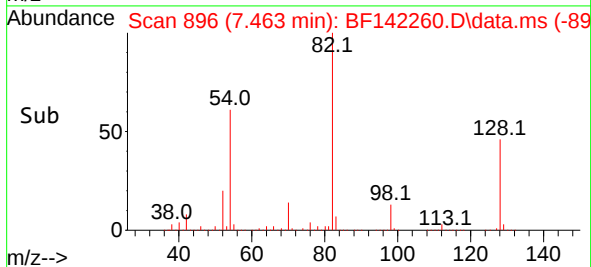
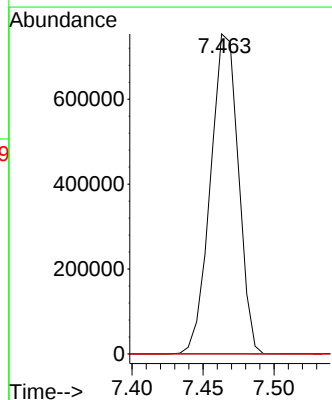
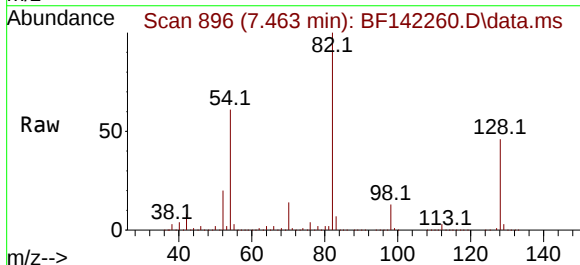
Delta R.T. -0.265 min

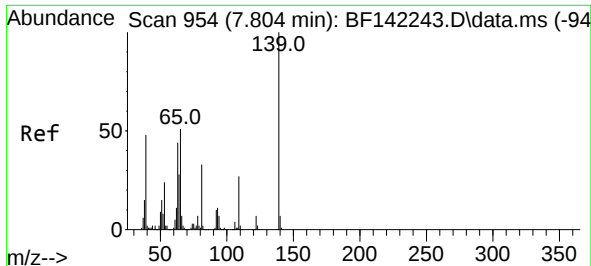
Lab File: BF142260.D

Acq: 01 May 2025 15:06

Tgt Ion: 82 Resp: 1029940

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	15.3	22.9#

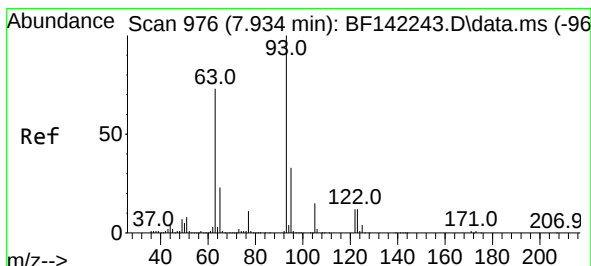
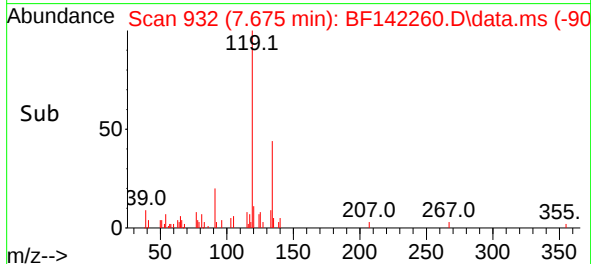
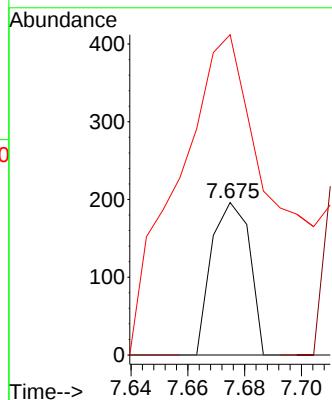
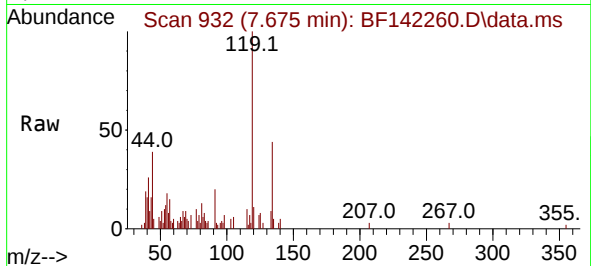




#26
2-Nitrophenol
Concen: 4.973 ng
RT: 7.675 min Scan# 91
Delta R.T. -0.129 min
Lab File: BF142260.D
Acq: 01 May 2025 15:06

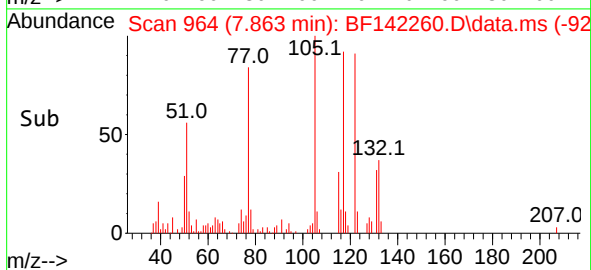
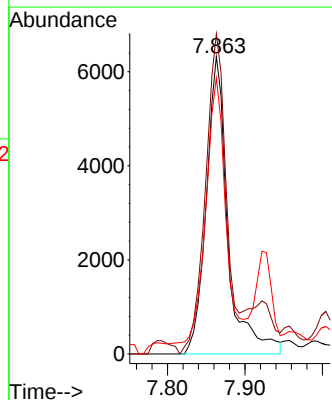
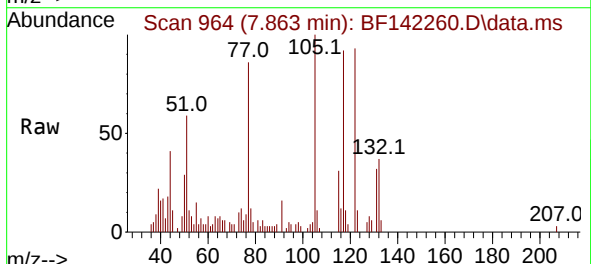
Instrument :
BNA_F
ClientSampleId :
WC-13-A-202504

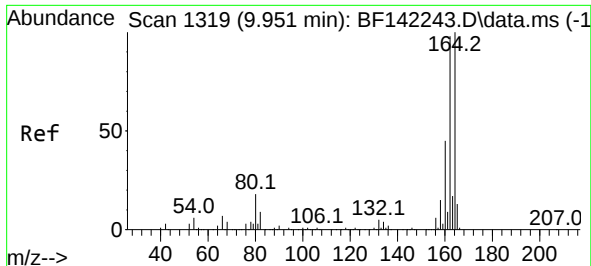
Tgt Ion:139 Resp: 183
Ion Ratio Lower Upper
139 100
109 0.0 21.8 32.8#
65 210.2 41.1 61.7#



#32
Benzoic acid
Concen: 12.418 ng
RT: 7.863 min Scan# 964
Delta R.T. -0.071 min
Lab File: BF142260.D
Acq: 01 May 2025 15:06

Tgt Ion:122 Resp: 12218
Ion Ratio Lower Upper
122 100
105 107.6 98.2 138.2
77 92.7 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: BF142260.D

Acq: 01 May 2025 15:06

Instrument :

BNA_F

ClientSampleId :

WC-13-A-202504

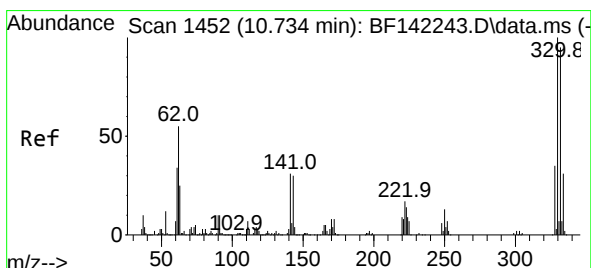
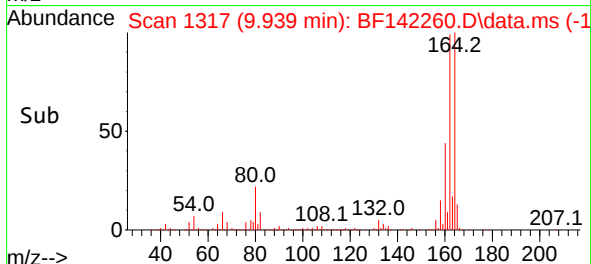
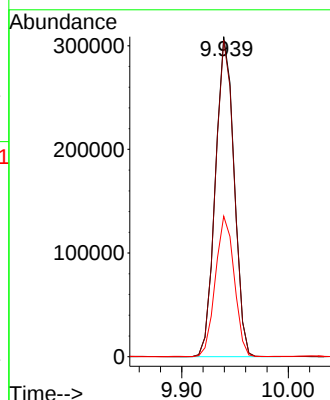
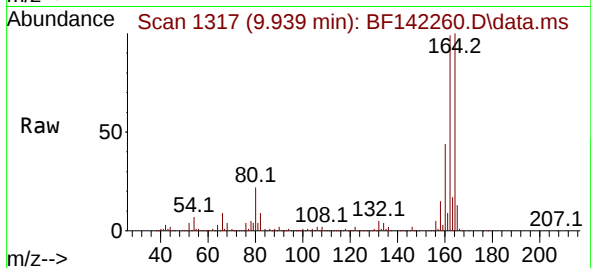
Tgt Ion:164 Resp: 376081

Ion Ratio Lower Upper

164 100

162 98.9 78.6 117.8

160 43.9 35.7 53.5



#42

2,4,6-Tribromophenol

Concen: 114.780 ng

RT: 10.728 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF142260.D

Acq: 01 May 2025 15:06

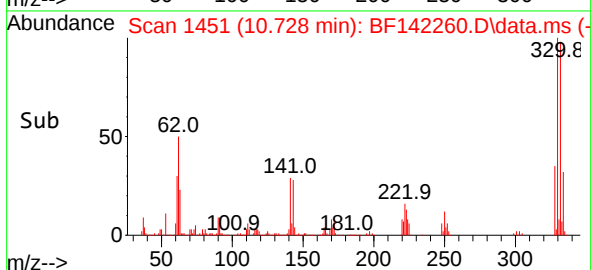
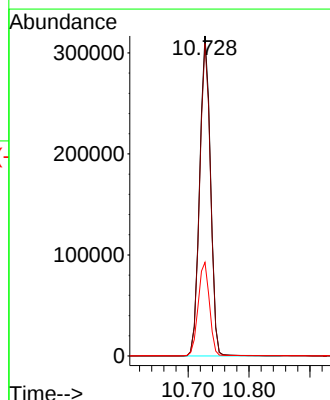
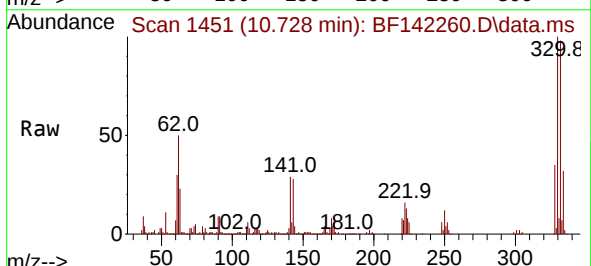
Tgt Ion:330 Resp: 393522

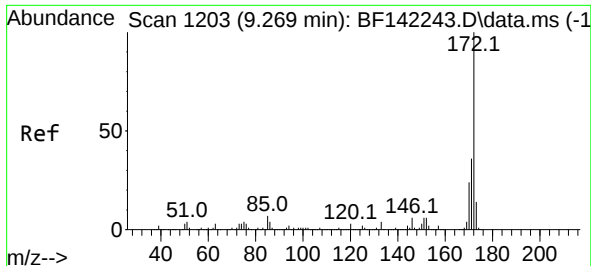
Ion Ratio Lower Upper

330 100

332 97.4 76.5 114.7

141 30.1 24.3 36.5

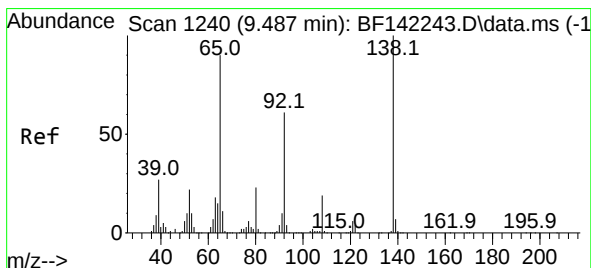
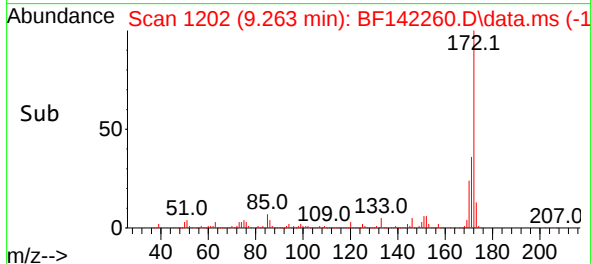
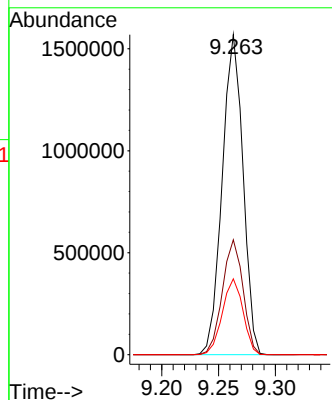
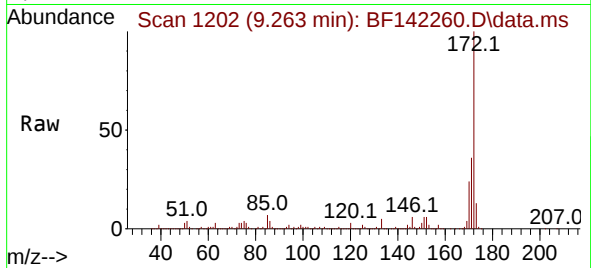




#45
2-Fluorobiphenyl
Concen: 74.904 ng
RT: 9.263 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142260.D
Acq: 01 May 2025 15:06

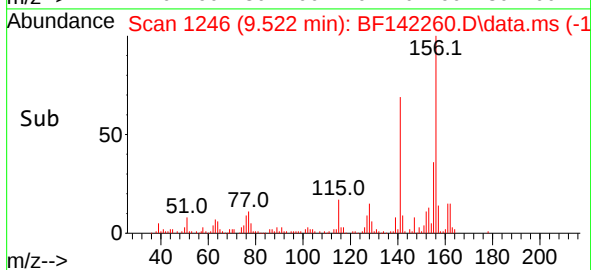
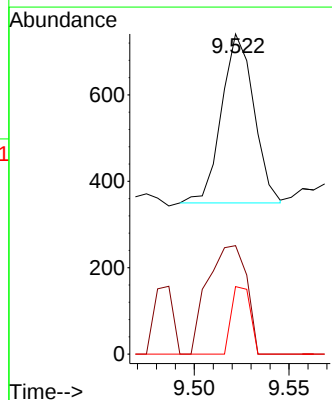
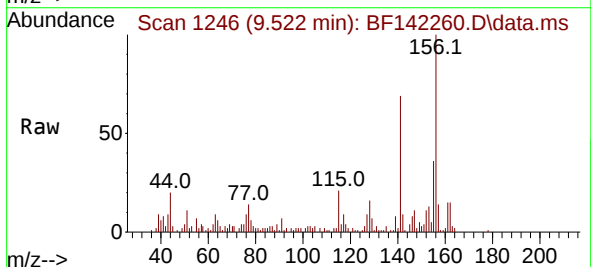
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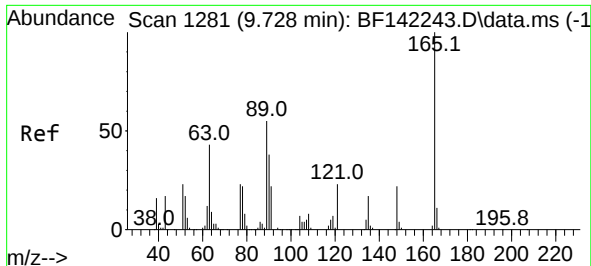
Tgt Ion:172 Resp: 1997930
Ion Ratio Lower Upper
172 100
171 35.9 29.0 43.4
170 23.7 19.4 29.0



#48
2-Nitroaniline
Concen: 4.842 ng
RT: 9.522 min Scan# 1246
Delta R.T. 0.035 min
Lab File: BF142260.D
Acq: 01 May 2025 15:06

Tgt Ion: 65 Resp: 463
Ion Ratio Lower Upper
65 100
92 33.9 54.3 81.5#
138 21.1 88.6 133.0#





#51

2,6-Dinitrotoluene

Concen: 4.565 ng

RT: 9.692 min Scan# 11

Delta R.T. -0.036 min

Lab File: BF142260.D

Acq: 01 May 2025 15:06

Instrument :

BNA_F

ClientSampleId :

WC-13-A-202504

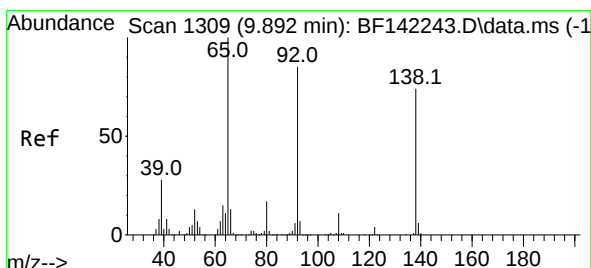
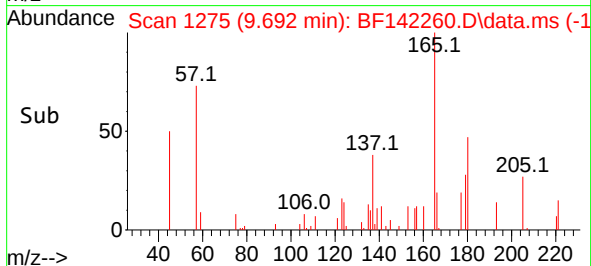
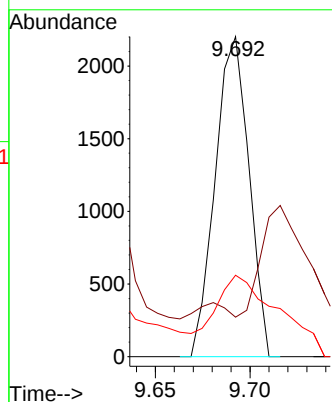
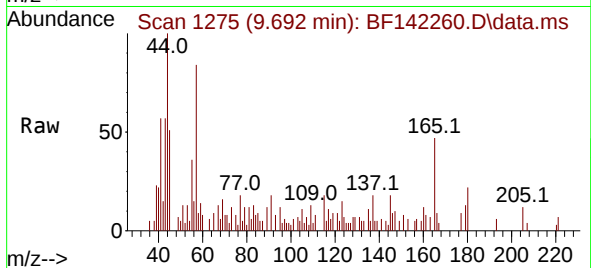
Tgt Ion:165 Resp: 2723

Ion Ratio Lower Upper

165 100

63 12.4 48.5 72.7#

89 25.5 43.9 65.9#



#53

3-Nitroaniline

Concen: 3.208 ng

RT: 9.916 min Scan# 1313

Delta R.T. 0.024 min

Lab File: BF142260.D

Acq: 01 May 2025 15:06

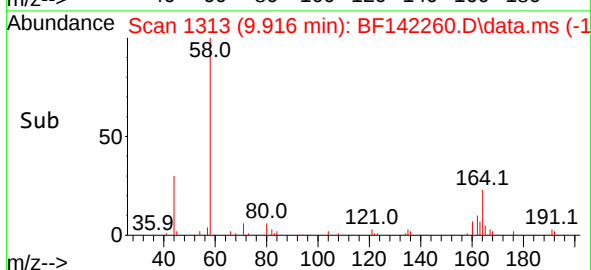
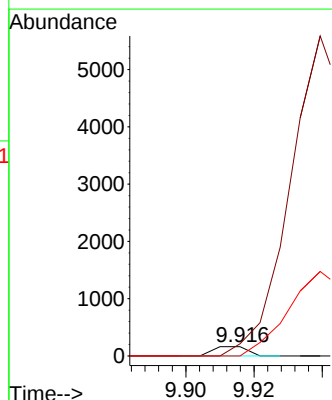
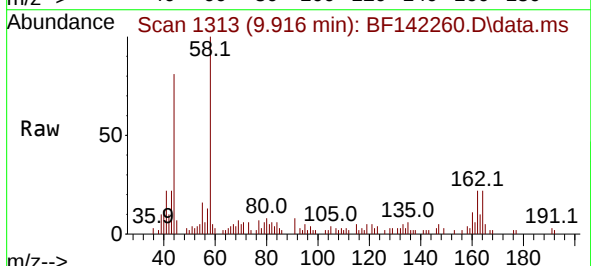
Tgt Ion:138 Resp: 115

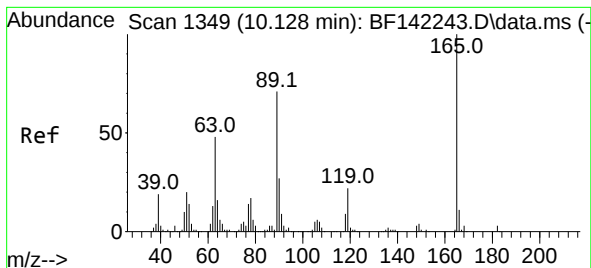
Ion Ratio Lower Upper

138 100

108 130.7 11.7 17.5#

92 0.0 91.2 136.8#

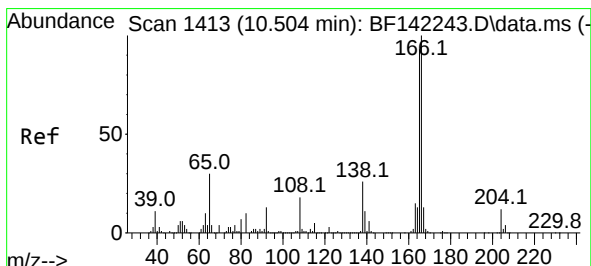
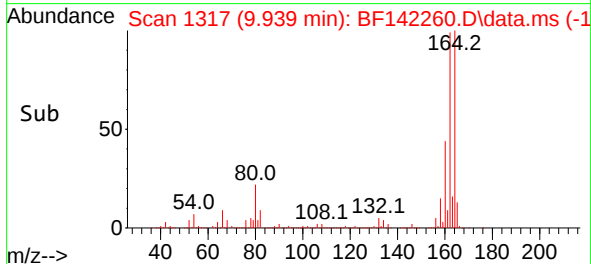
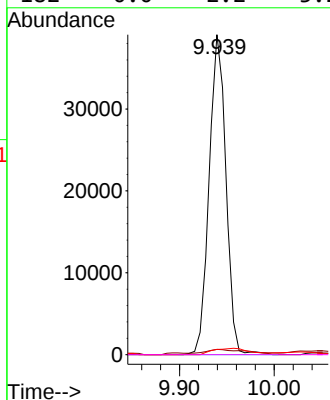
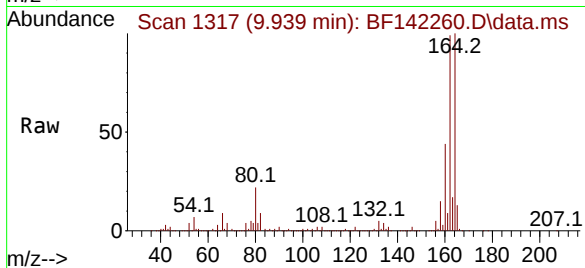




#57
2,4-Dinitrotoluene
Concen: 12.752 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.189 min
Lab File: BF142260.D
Acq: 01 May 2025 15:06

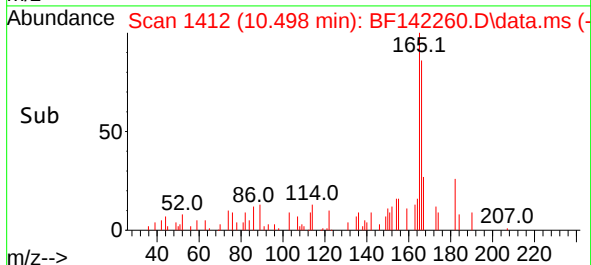
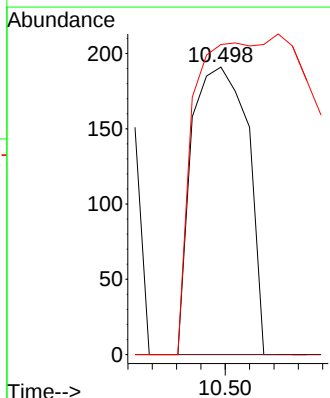
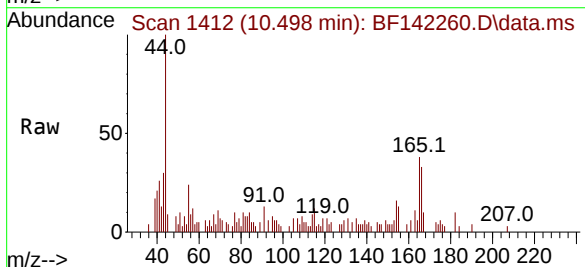
Instrument :
BNA_F
ClientSampleId :
WC-13-A-202504

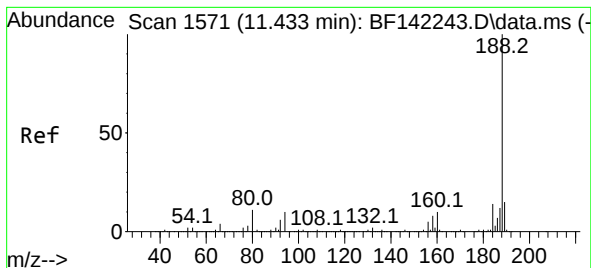
Tgt Ion:165 Resp: 48207
Ion Ratio Lower Upper
165 100
63 1.6 38.8 58.2#
89 1.7 57.1 85.7#
182 0.0 2.2 3.2#



#62
4-Nitroaniline
Concen: 2.806 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BF142260.D
Acq: 01 May 2025 15:06

Tgt Ion:138 Resp: 303
Ion Ratio Lower Upper
138 100
92 0.0 29.2 69.2#
108 107.9 49.1 89.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.428 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142260.D

Acq: 01 May 2025 15:06

Instrument :

BNA_F

ClientSampleId :

WC-13-A-202504

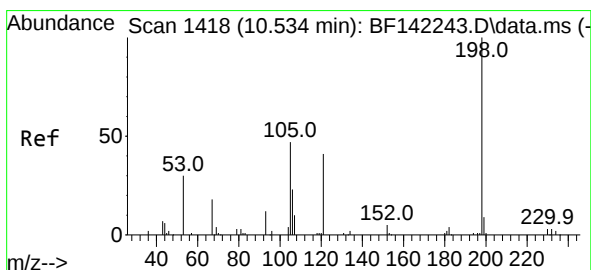
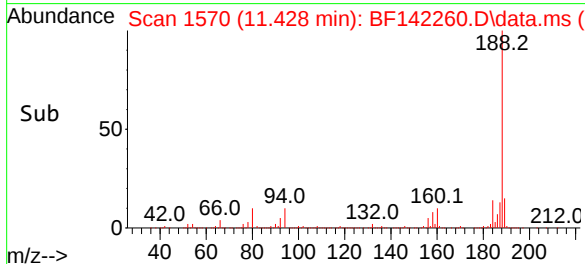
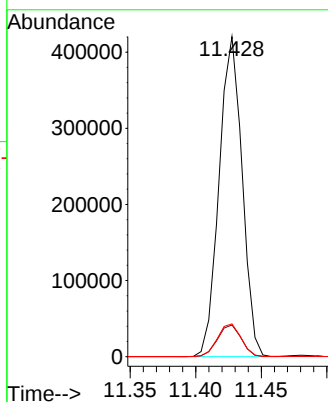
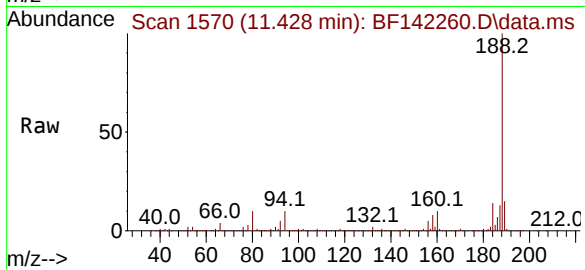
Tgt Ion:188 Resp: 513009

Ion Ratio Lower Upper

188 100

94 9.9 8.2 12.2

80 10.3 8.6 12.8



#65

4,6-Dinitro-2-methylphenol

Concen: 10.681 ng

RT: 10.563 min Scan# 1423

Delta R.T. 0.029 min

Lab File: BF142260.D

Acq: 01 May 2025 15:06

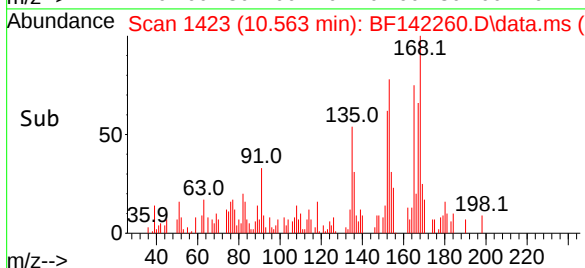
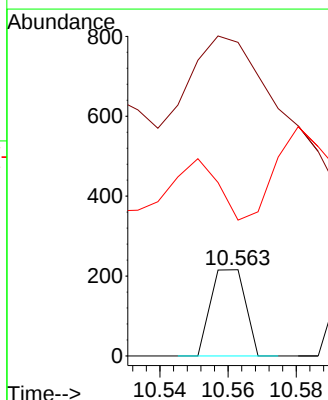
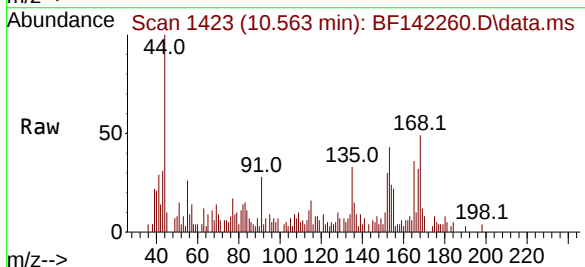
Tgt Ion:198 Resp: 152

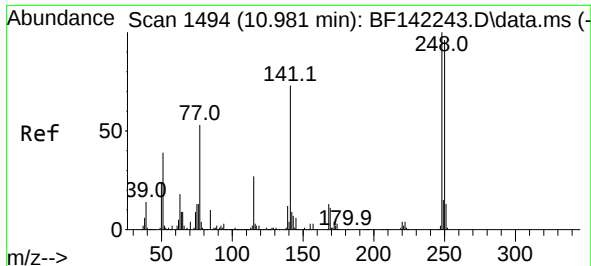
Ion Ratio Lower Upper

198 100

51 363.4 40.6 80.6#

105 157.4 29.2 69.2#





#67

4-Bromophenyl-phenylether

Concen: 4.222 ng

RT: 10.728 min Scan# 14

Delta R.T. -0.253 min

Lab File: BF142260.D

Acq: 01 May 2025 15:06

Instrument :

BNA_F

ClientSampleId :

WC-13-A-202504

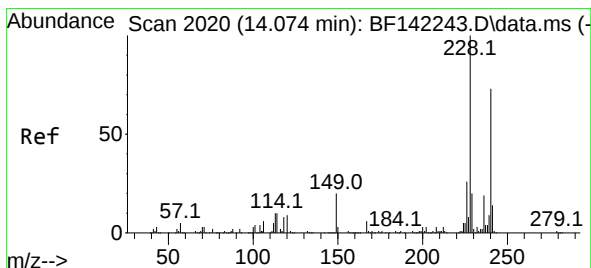
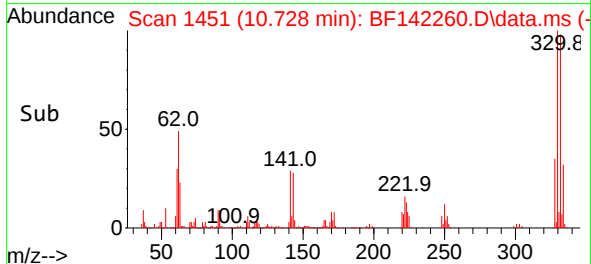
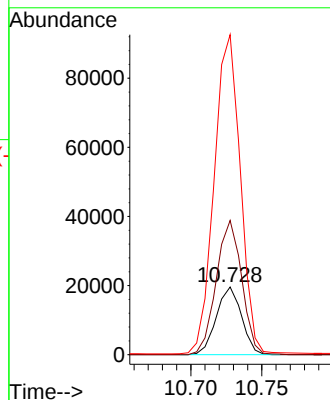
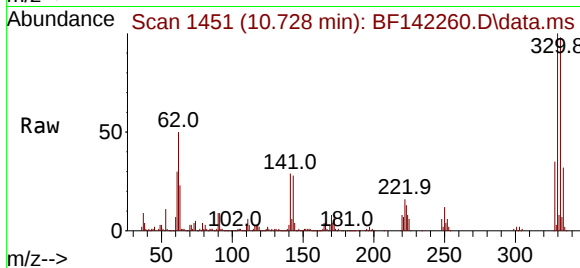
Tgt Ion:248 Resp: 24120

Ion Ratio Lower Upper

248 100

250 198.6 77.2 115.8#

141 473.1 58.4 87.6#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF142260.D

Acq: 01 May 2025 15:06

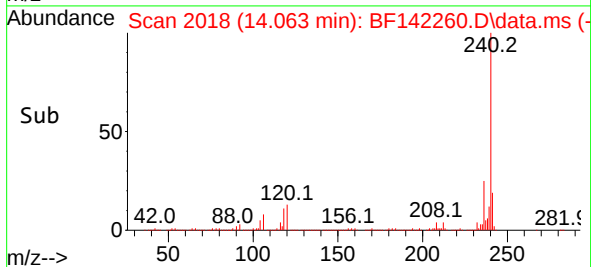
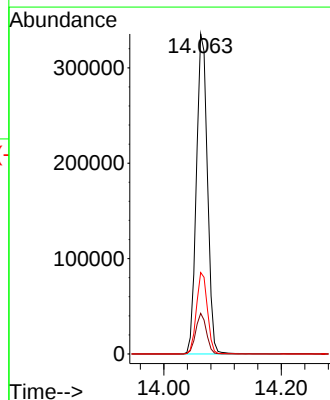
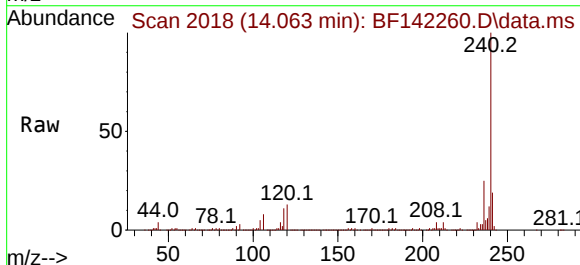
Tgt Ion:240 Resp: 437449

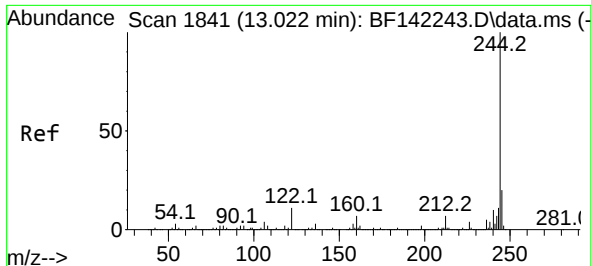
Ion Ratio Lower Upper

240 100

120 12.7 10.1 15.1

236 25.5 20.5 30.7

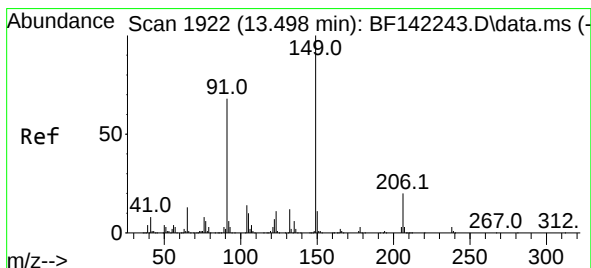
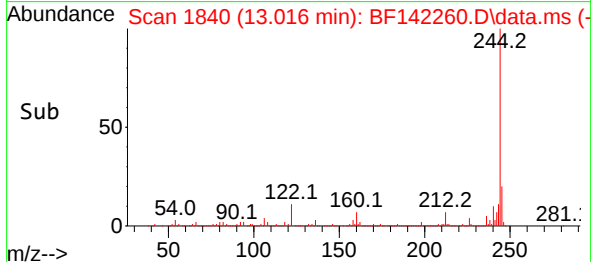
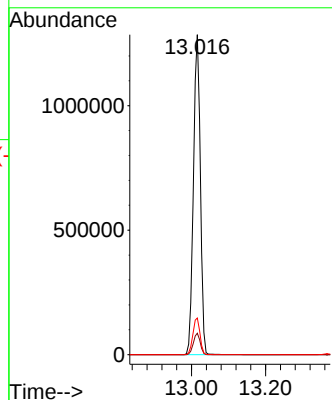
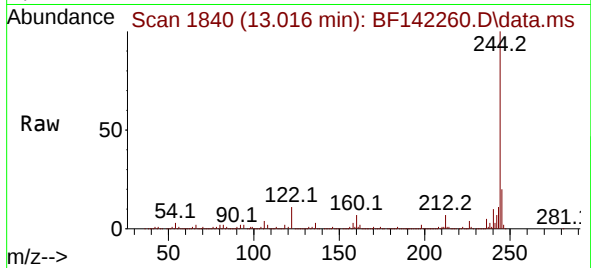




#79
 Terphenyl-d14
 Concen: 55.353 ng
 RT: 13.016 min Scan# 1841
 Delta R.T. -0.006 min
 Lab File: BF142260.D
 Acq: 01 May 2025 15:06

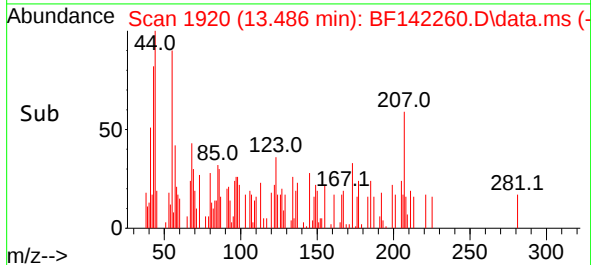
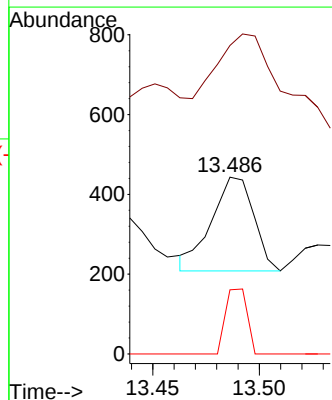
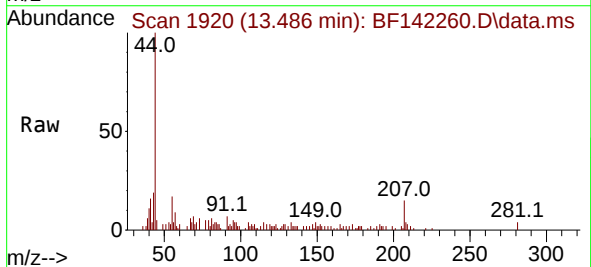
Instrument :
 BNA_F
 ClientSampleId :
 WC-13-A-202504

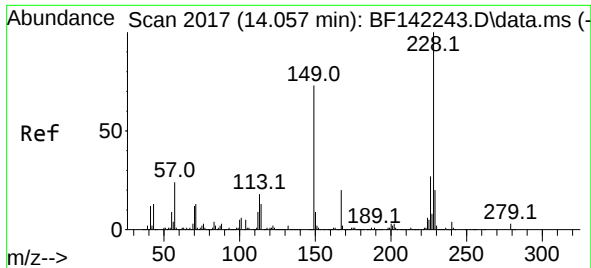
Tgt Ion:244 Resp: 1664870
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.3 7.9
 122 11.4 9.1 13.7



#80
 Butylbenzylphthalate
 Concen: 3.744 ng
 RT: 13.486 min Scan# 1920
 Delta R.T. -0.012 min
 Lab File: BF142260.D
 Acq: 01 May 2025 15:06

Tgt Ion:149 Resp: 325
 Ion Ratio Lower Upper
 149 100
 91 174.5 54.4 81.6#
 206 36.3 15.9 23.9#

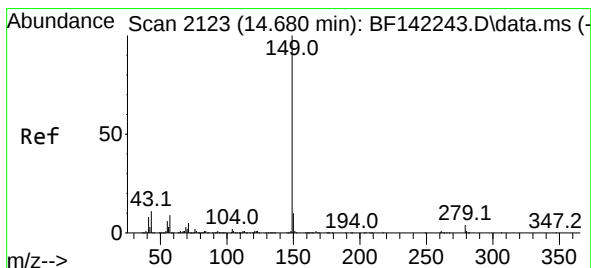
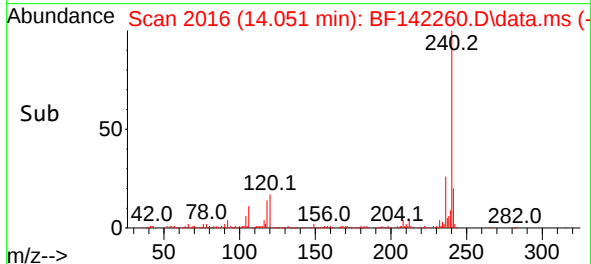
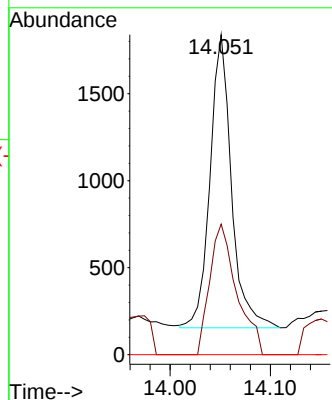
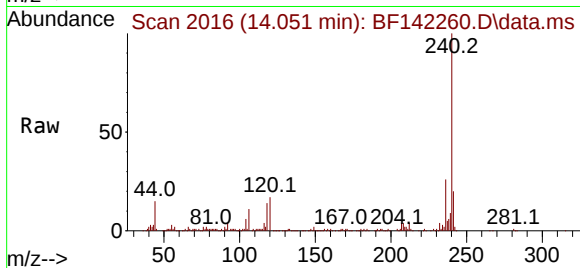




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.606 ng
RT: 14.051 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF142260.D
Acq: 01 May 2025 15:06

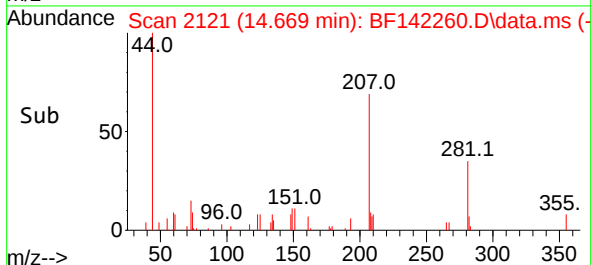
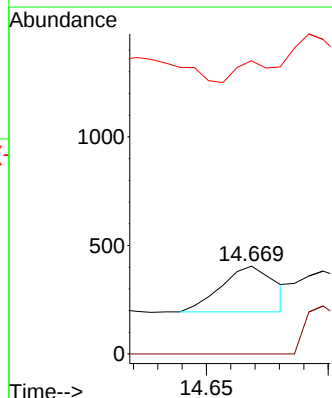
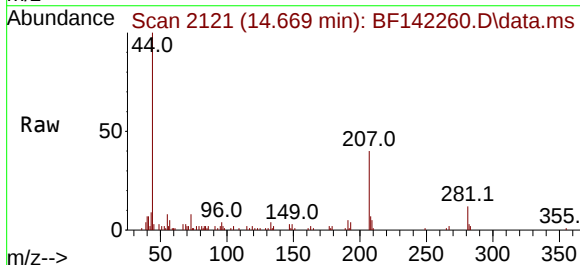
Instrument :
BNA_F
ClientSampleId :
WC-13-A-202504

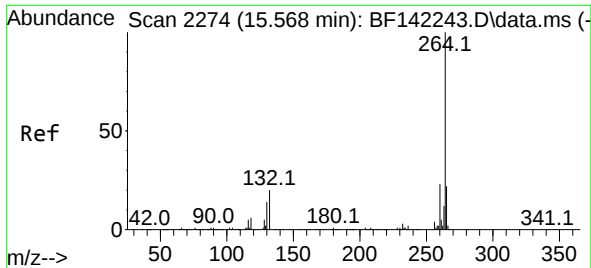
Tgt Ion:149 Resp: 2504
Ion Ratio Lower Upper
149 100
167 40.8 21.7 32.5#
279 0.0 3.0 4.4#



#85
Di-n-octyl phthalate
Concen: 6.078 ng
RT: 14.669 min Scan# 2121
Delta R.T. -0.011 min
Lab File: BF142260.D
Acq: 01 May 2025 15:06

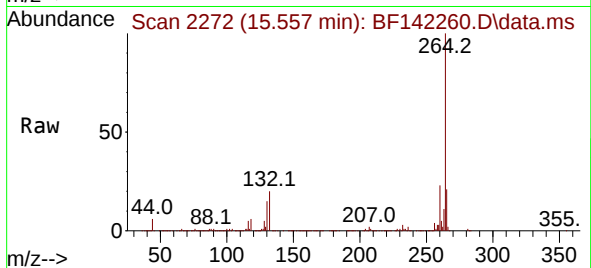
Tgt Ion:149 Resp: 321
Ion Ratio Lower Upper
149 100
167 0.0 1.1 1.7#
43 0.0 9.3 13.9#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF142260.D
Acq: 01 May 2025 15:06

Instrument :
BNA_F
ClientSampleId :
WC-13-A-202504



Tgt Ion:264 Resp: 449964
Ion Ratio Lower Upper
264 100
260 23.3 18.4 27.6
265 21.3 17.3 25.9

