

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
 Data File : BF142262.D
 Acq On : 01 May 2025 16:03
 Operator : RC/JU
 Sample : Q1903-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-4

Quant Time: May 01 16:58:18 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)

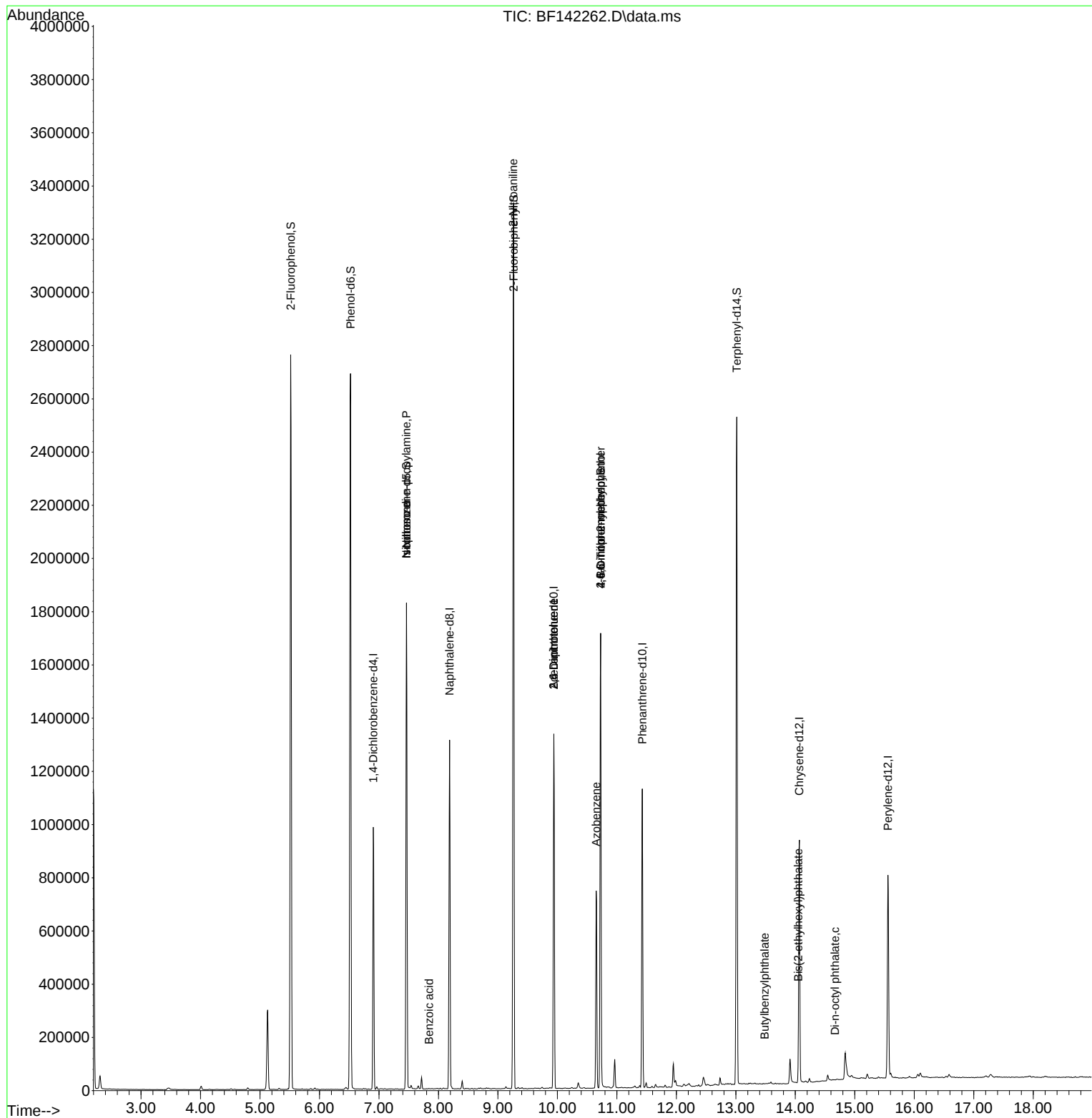
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	206685	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	782390	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	383432	20.000	ng	-0.01
64) Phenanthrene-d10	11.427	188	552303	20.000	ng	0.00
76) Chrysene-d12	14.068	240	438090	20.000	ng	0.00
86) Perylene-d12	15.557	264	441251	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1037727	80.185	ng	0.00
7) Phenol-d6	6.522	99	1285233	82.240	ng	0.00
23) Nitrobenzene-d5	7.463	82	733013	61.551	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	280290	80.186	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1464008	53.835	ng	0.00
79) Terphenyl-d14	13.016	244	1207717	40.095	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	99863	10.341	ng	# 81
25) Isophorone	7.463	82	732590	29.311	ng	# 64
32) Benzoic acid	7.839	122	246	10.840	ng	# 79
48) 2-Nitroaniline	9.257	65	2703	5.185	ng	# 6
51) 2,6-Dinitrotoluene	9.939	165	47538	13.281	ng	# 24
57) 2,4-Dinitrotoluene	9.939	165	47538	12.499	ng	# 23
63) Azobenzene	10.651	77	180126	7.530	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.727	198	639	10.885	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	17128	2.785	ng	# 1
80) Butylbenzylphthalate	13.486	149	908	3.792	ng	# 67
84) Bis(2-ethylhexyl)phtha...	14.051	149	11440	4.148	ng	99
85) Di-n-octyl phthalate	14.668	149	895	6.096	ng	# 73

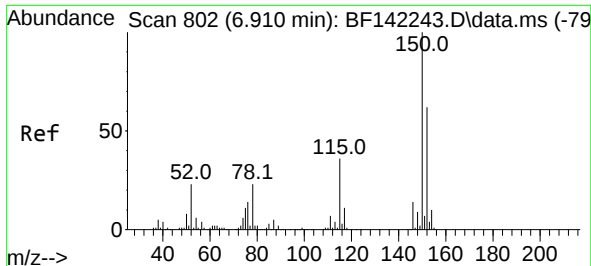
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 01 16:58:18 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

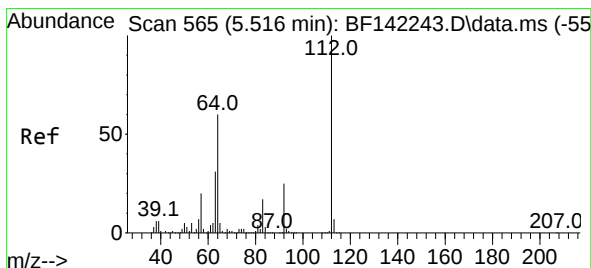
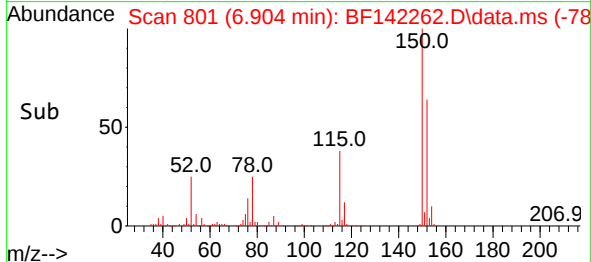
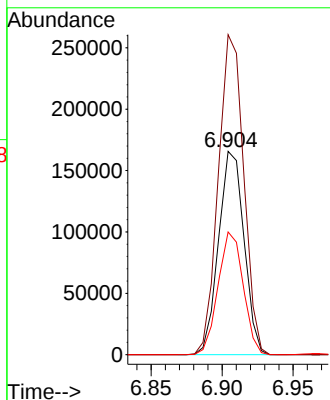
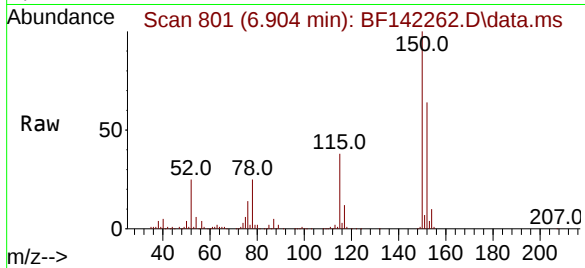




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 802
 Delta R.T. -0.006 min
 Lab File: BF142262.D
 Acq: 01 May 2025 16:03

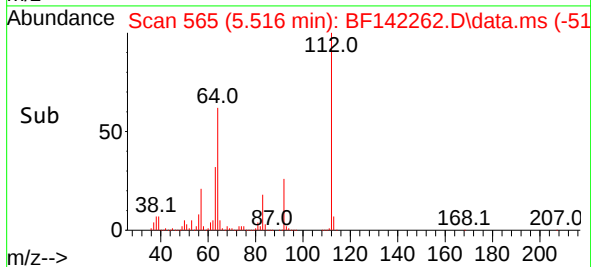
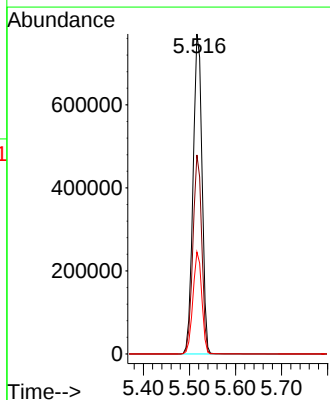
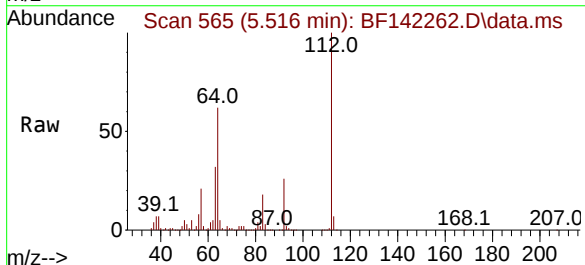
Instrument :
 BNA_F
 ClientSampleId :
 COMP-4

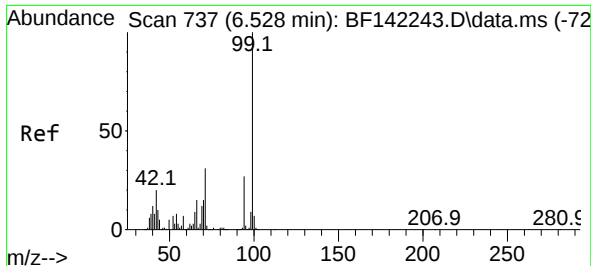
Tgt Ion:152 Resp: 206685
 Ion Ratio Lower Upper
 152 100
 150 157.4 130.2 195.2
 115 60.4 47.0 70.4



#5
 2-Fluorophenol
 Concen: 80.185 ng
 RT: 5.516 min Scan# 565
 Delta R.T. -0.000 min
 Lab File: BF142262.D
 Acq: 01 May 2025 16:03

Tgt Ion:112 Resp: 1037727
 Ion Ratio Lower Upper
 112 100
 64 62.2 48.4 72.6
 63 31.8 24.8 37.2

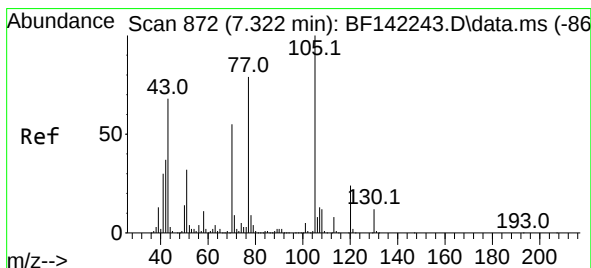
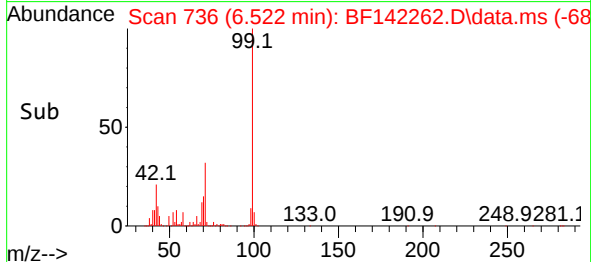
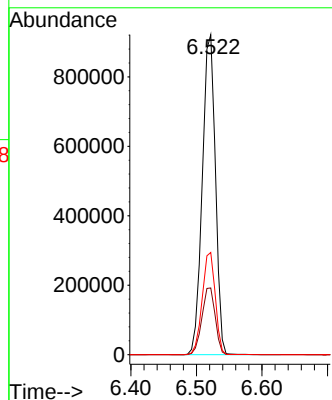
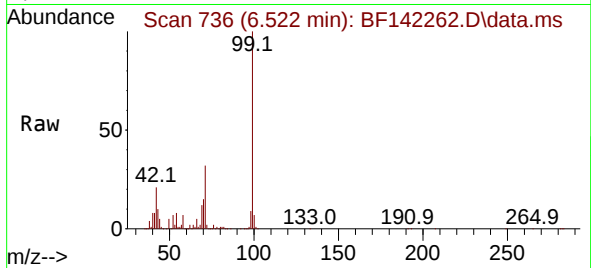




#7
Phenol-d6
Concen: 82.240 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142262.D
Acq: 01 May 2025 16:03

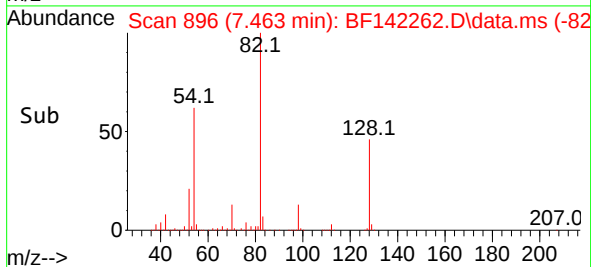
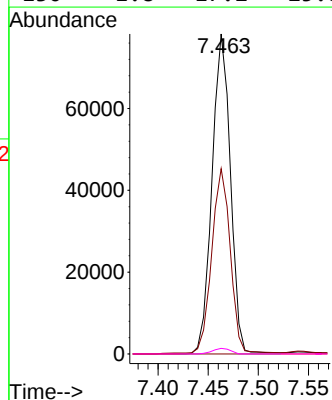
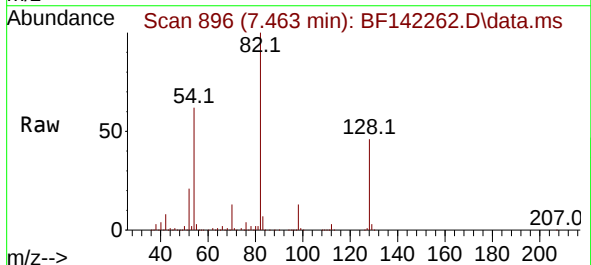
Instrument :
BNA_F
ClientSampleId :
COMP-4

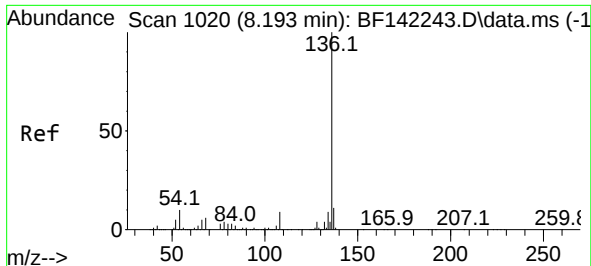
Tgt Ion: 99 Resp: 1285233
Ion Ratio Lower Upper
99 100
42 20.9 16.3 24.5
71 31.9 25.0 37.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.341 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.141 min
Lab File: BF142262.D
Acq: 01 May 2025 16:03

Tgt Ion: 70 Resp: 99863
Ion Ratio Lower Upper
70 100
42 57.9 53.4 80.2
101 0.0 7.7 11.5#
130 1.8 17.2 25.8#

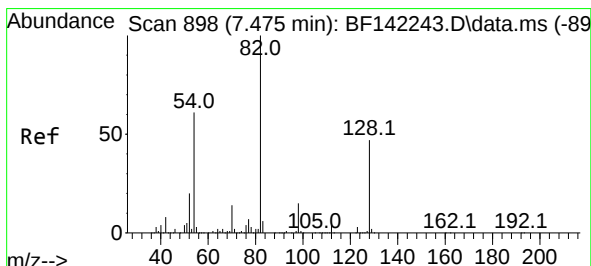
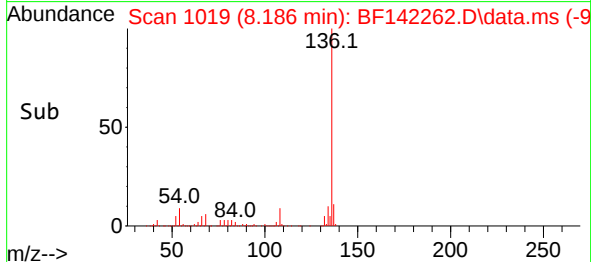
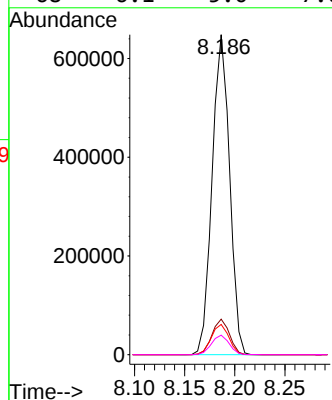
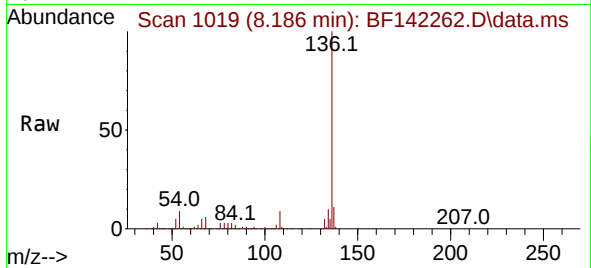




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.007 min
Lab File: BF142262.D
Acq: 01 May 2025 16:03

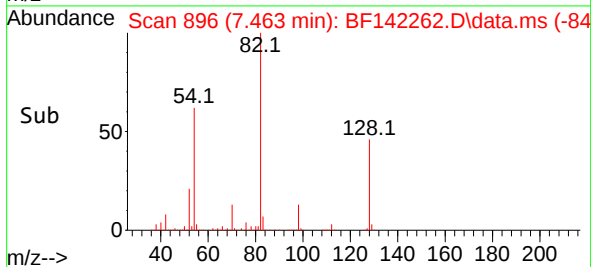
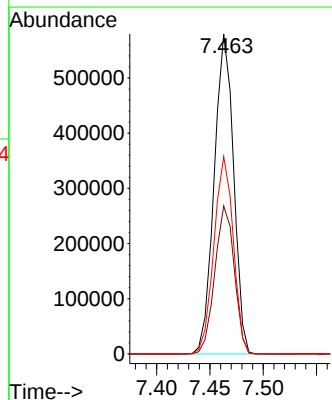
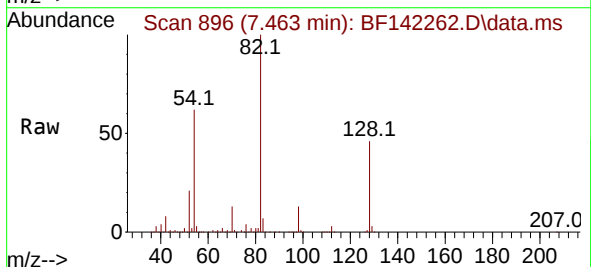
Instrument :
BNA_F
ClientSampleId :
COMP-4

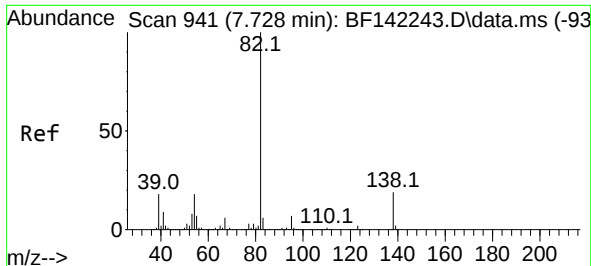
Tgt Ion:	136	Resp:	782390
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.7	13.1
54	9.5	7.7	11.5
68	6.1	5.0	7.6



#23
Nitrobenzene-d5
Concen: 61.551 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF142262.D
Acq: 01 May 2025 16:03

Tgt Ion:	82	Resp:	733013
Ion Ratio	Lower	Upper	
82	100		
128	46.3	37.0	55.6
54	61.6	48.0	72.0

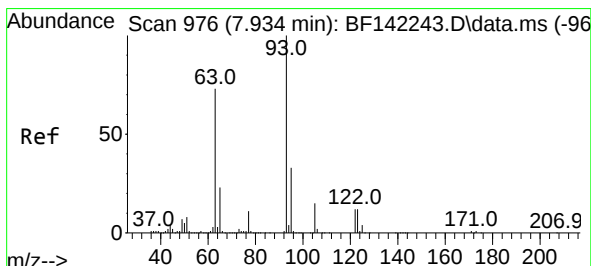
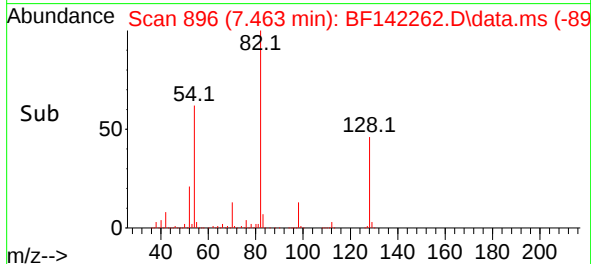
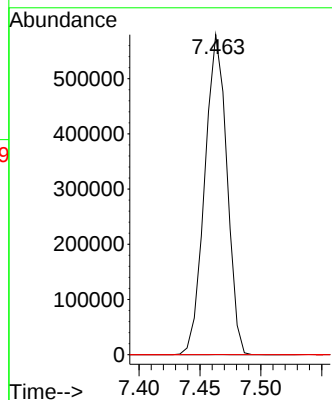
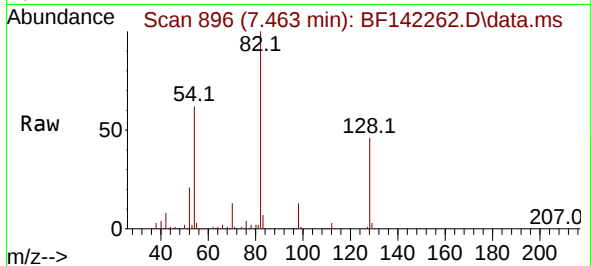




#25
Isophorone
Concen: 29.311 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF142262.D
Acq: 01 May 2025 16:03

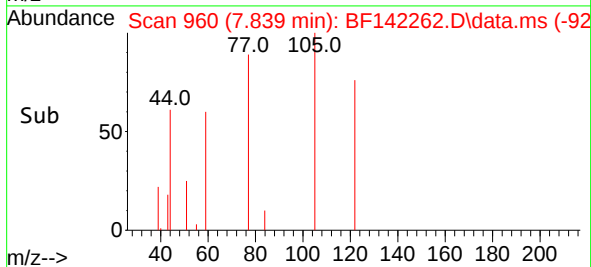
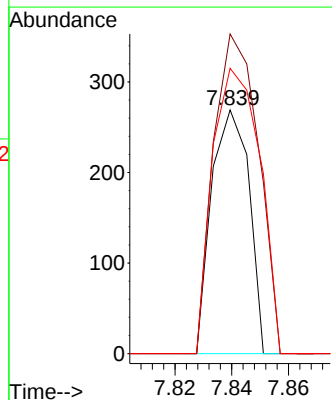
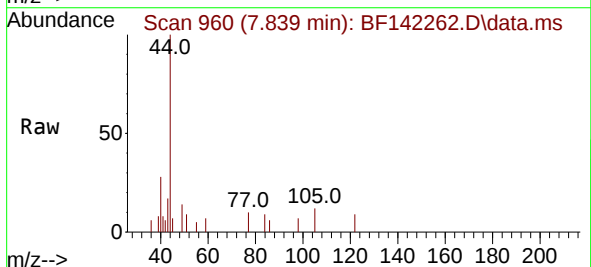
Instrument :
BNA_F
ClientSampleId :
COMP-4

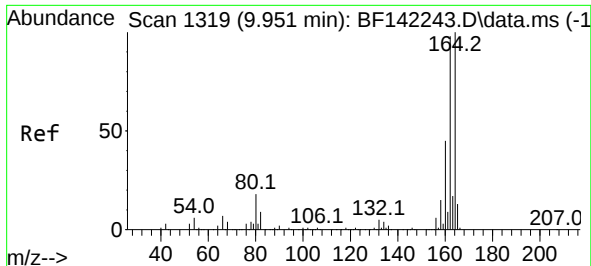
Tgt Ion: 82 Resp: 732590
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 15.3 22.9#



#32
Benzoic acid
Concen: 10.840 ng
RT: 7.839 min Scan# 960
Delta R.T. -0.095 min
Lab File: BF142262.D
Acq: 01 May 2025 16:03

Tgt Ion:122 Resp: 246
Ion Ratio Lower Upper
122 100
105 131.2 98.2 138.2
77 117.1 66.8 106.8#

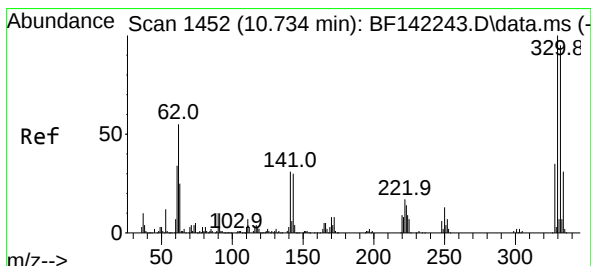
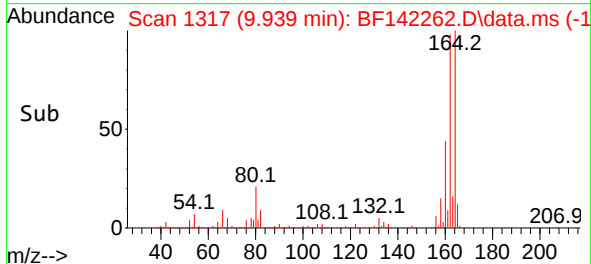
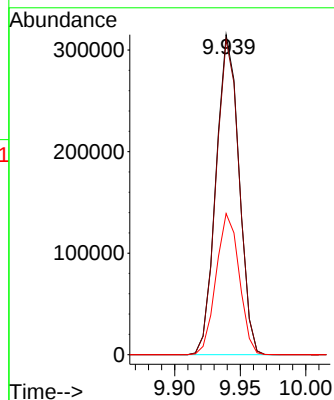
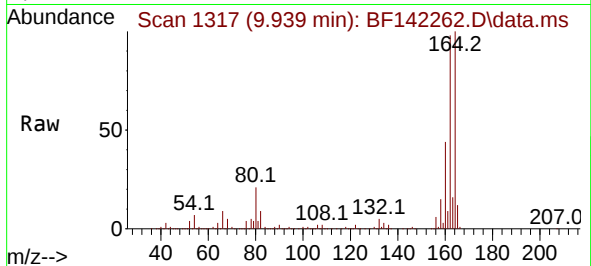




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142262.D
Acq: 01 May 2025 16:03

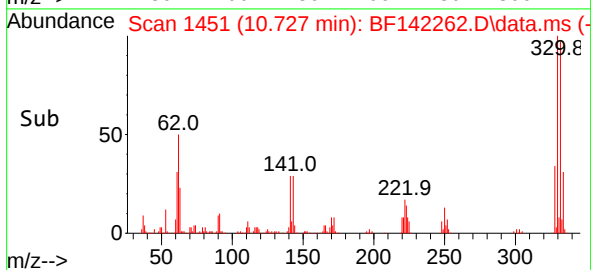
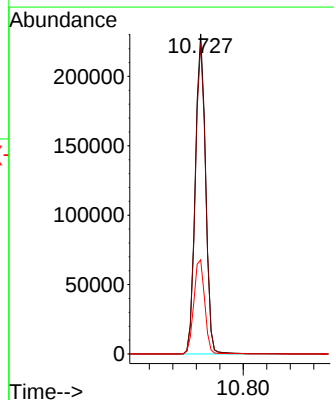
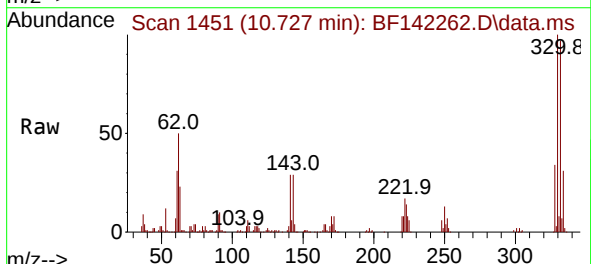
Instrument :
BNA_F
ClientSampleId :
COMP-4

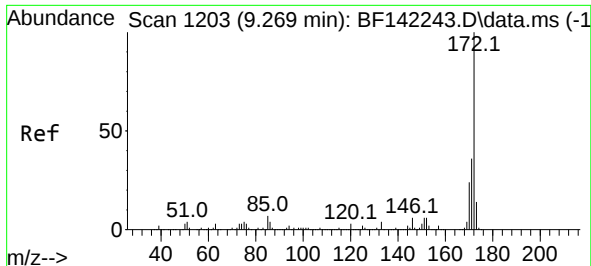
Tgt Ion:164 Resp: 383432
Ion Ratio Lower Upper
164 100
162 98.5 78.6 117.8
160 44.1 35.7 53.5



#42
2,4,6-Tribromophenol
Concen: 80.186 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142262.D
Acq: 01 May 2025 16:03

Tgt Ion:330 Resp: 280290
Ion Ratio Lower Upper
330 100
332 96.8 76.5 114.7
141 31.1 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 53.835 ng

RT: 9.263 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142262.D

Acq: 01 May 2025 16:03

Instrument :

BNA_F

ClientSampleId :

COMP-4

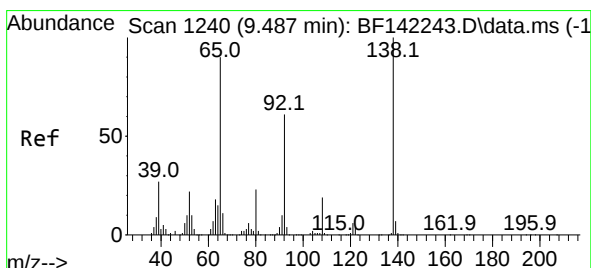
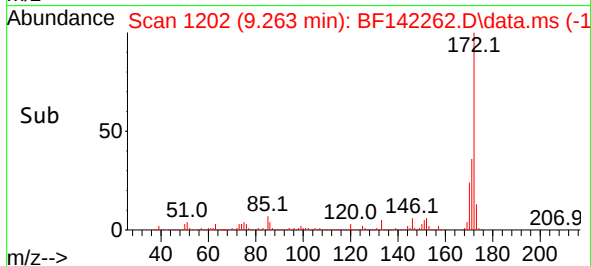
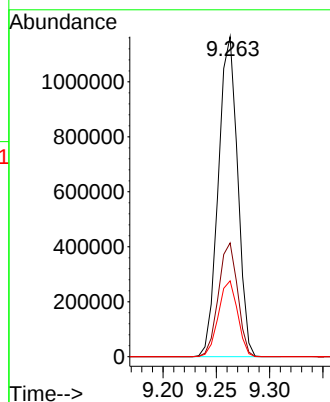
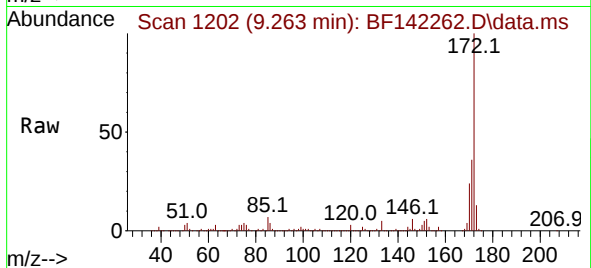
Tgt Ion:172 Resp: 1464008

Ion Ratio Lower Upper

172 100

171 35.5 29.0 43.4

170 23.7 19.4 29.0



#48

2-Nitroaniline

Concen: 5.185 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.230 min

Lab File: BF142262.D

Acq: 01 May 2025 16:03

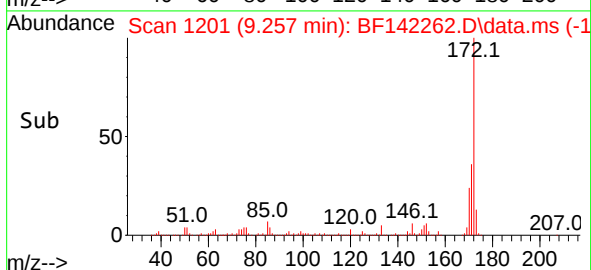
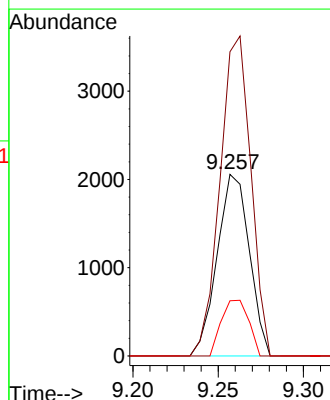
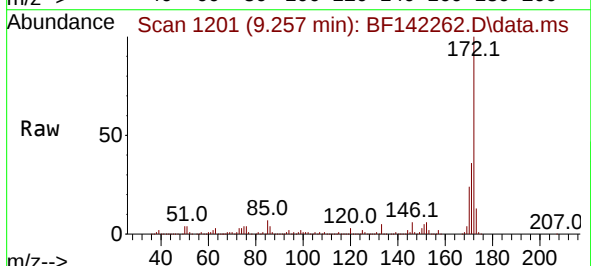
Tgt Ion: 65 Resp: 2703

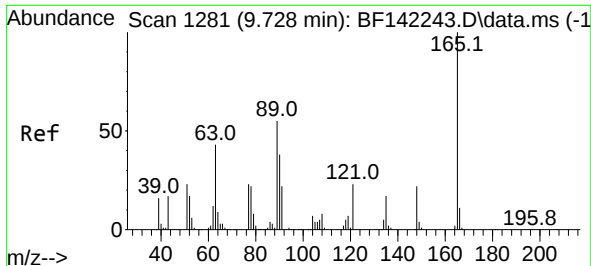
Ion Ratio Lower Upper

65 100

92 167.4 54.3 81.5#

138 30.4 88.6 133.0#

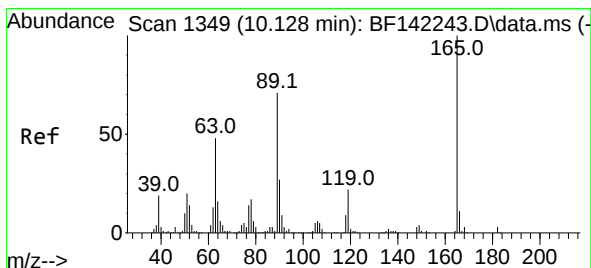
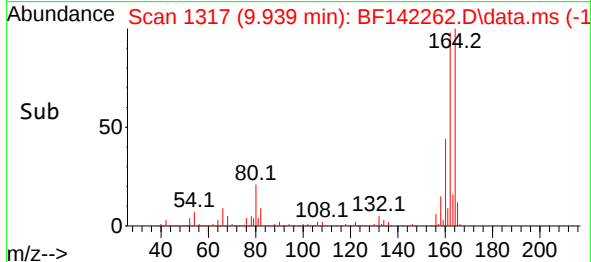
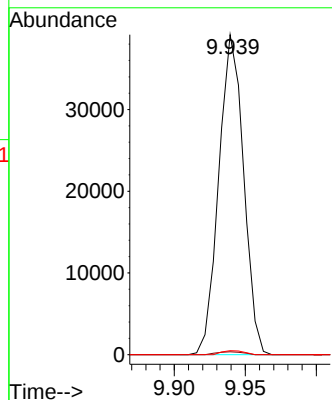
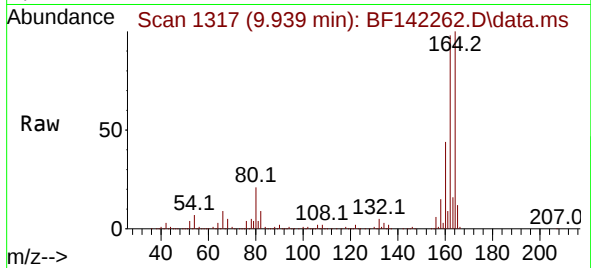




#51
2,6-Dinitrotoluene
Concen: 13.281 ng
RT: 9.939 min Scan# 11
Delta R.T. 0.211 min
Lab File: BF142262.D
Acq: 01 May 2025 16:03

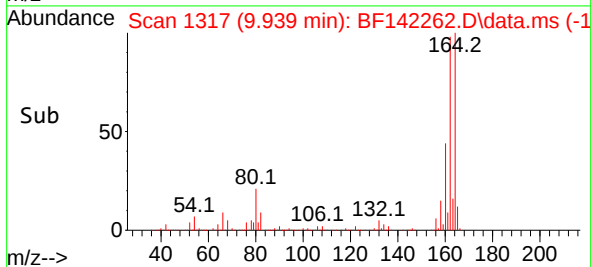
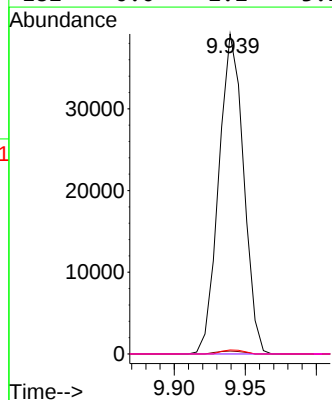
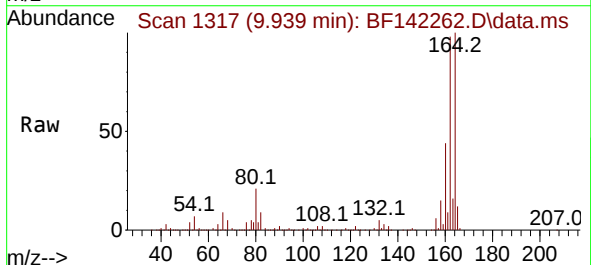
Instrument :
BNA_F
ClientSampleId :
COMP-4

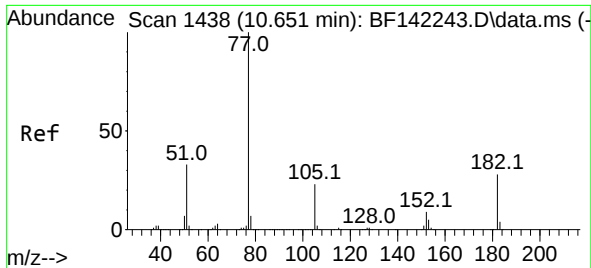
Tgt Ion:165 Resp: 47538
Ion Ratio Lower Upper
165 100
63 0.9 48.5 72.7#
89 1.3 43.9 65.9#



#57
2,4-Dinitrotoluene
Concen: 12.499 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.189 min
Lab File: BF142262.D
Acq: 01 May 2025 16:03

Tgt Ion:165 Resp: 47538
Ion Ratio Lower Upper
165 100
63 0.9 38.8 58.2#
89 1.3 57.1 85.7#
182 0.0 2.2 3.2#

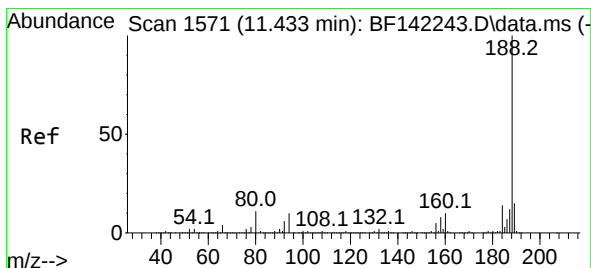
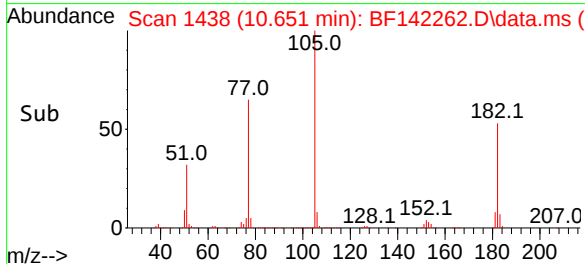
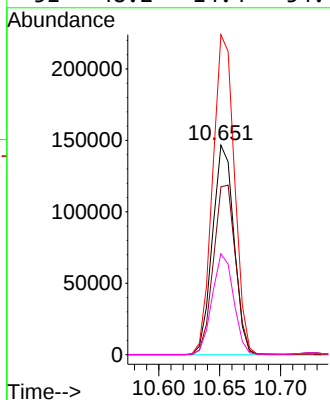
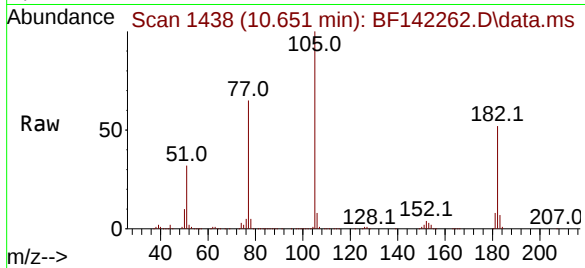




#63
Azobenzene
Concen: 7.530 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.000 min
Lab File: BF142262.D
Acq: 01 May 2025 16:03

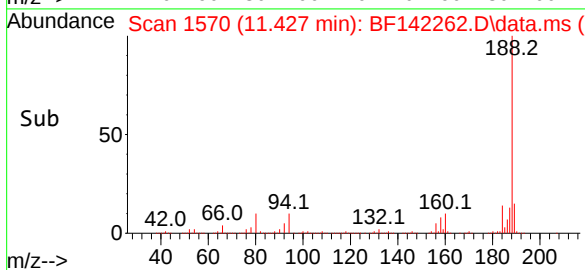
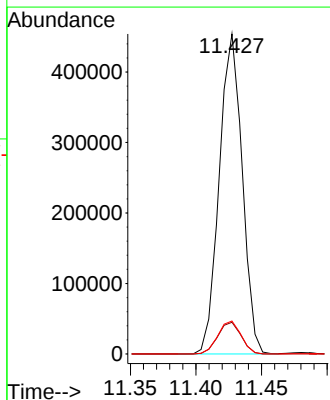
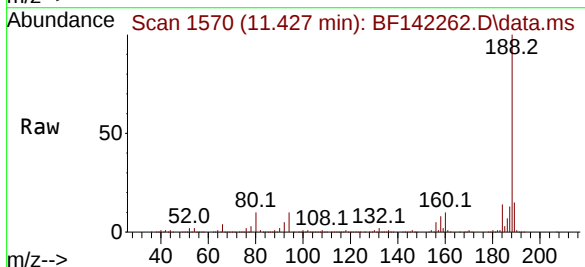
Instrument :
BNA_F
ClientSampleId :
COMP-4

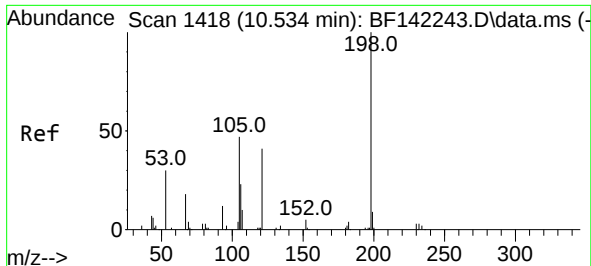
Tgt Ion: 77	Resp: 180126
Ion Ratio	Lower Upper
77 100	
182 80.1	7.3 47.3#
105 152.8	2.5 42.5#
51 48.2	14.4 54.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142262.D
Acq: 01 May 2025 16:03

Tgt Ion:188	Resp: 552303		
Ion Ratio	Lower	Upper	
188 100			
94 9.9	8.2	12.2	
80 10.3	8.6	12.8	

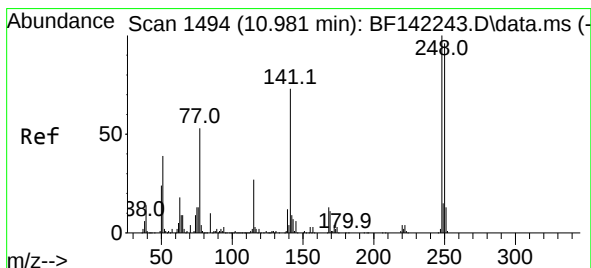
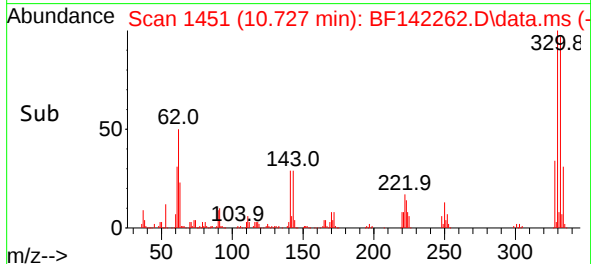
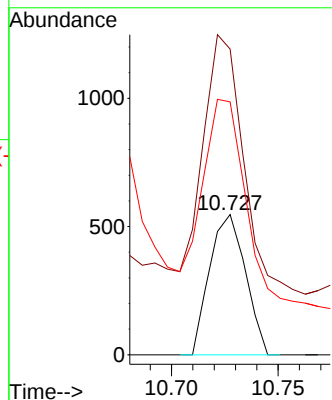
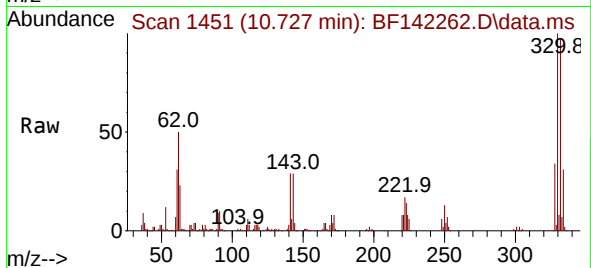




#65
4,6-Dinitro-2-methylphenol
Concen: 10.885 ng
RT: 10.727 min Scan# 1418
Delta R.T. 0.193 min
Lab File: BF142262.D
Acq: 01 May 2025 16:03

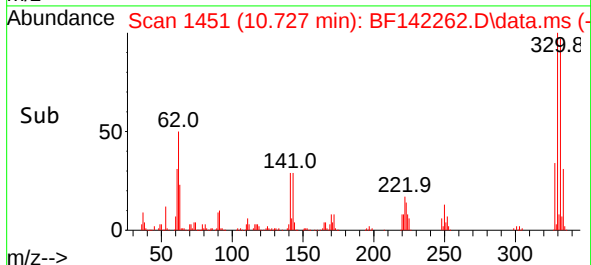
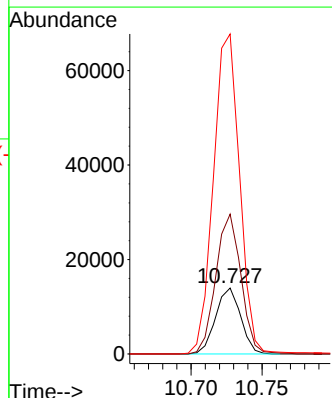
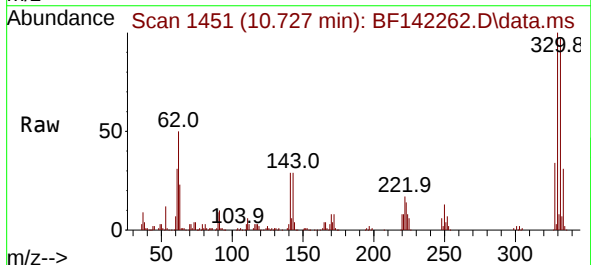
Instrument :
BNA_F
ClientSampleId :
COMP-4

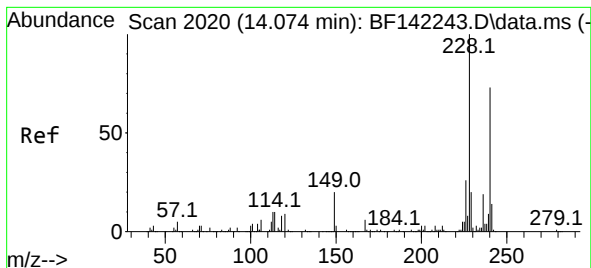
Tgt Ion:198 Resp: 639
Ion Ratio Lower Upper
198 100
51 217.9 40.6 80.6#
105 180.3 29.2 69.2#



#67
4-Bromophenyl-phenylether
Concen: 2.785 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.253 min
Lab File: BF142262.D
Acq: 01 May 2025 16:03

Tgt Ion:248 Resp: 17128
Ion Ratio Lower Upper
248 100
250 212.1 77.2 115.8#
141 485.3 58.4 87.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.068 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142262.D

Acq: 01 May 2025 16:03

Instrument :

BNA_F

ClientSampleId :

COMP-4

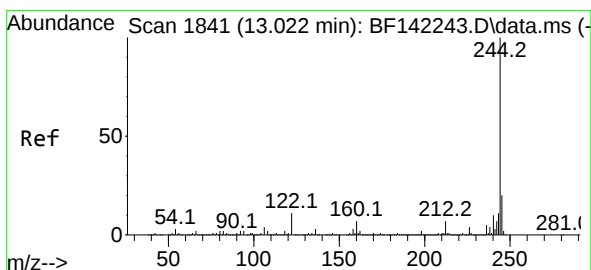
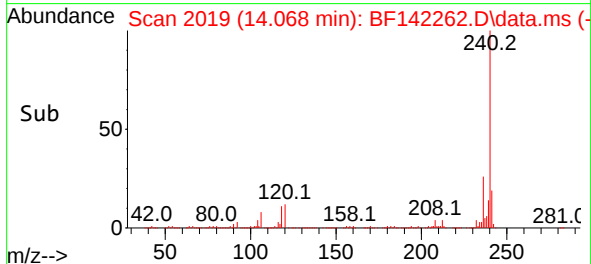
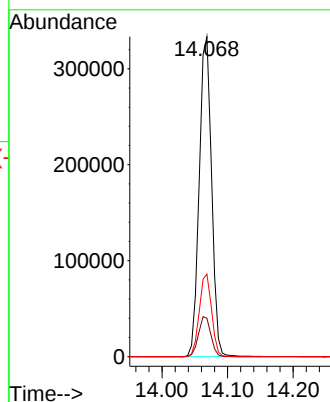
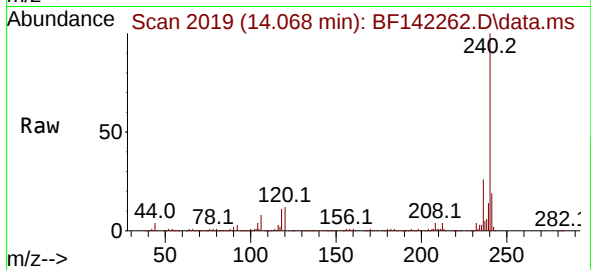
Tgt Ion:240 Resp: 438090

Ion Ratio Lower Upper

240 100

120 12.0 10.1 15.1

236 25.8 20.5 30.7



#79

Terphenyl-d14

Concen: 40.095 ng

RT: 13.016 min Scan# 1840

Delta R.T. -0.006 min

Lab File: BF142262.D

Acq: 01 May 2025 16:03

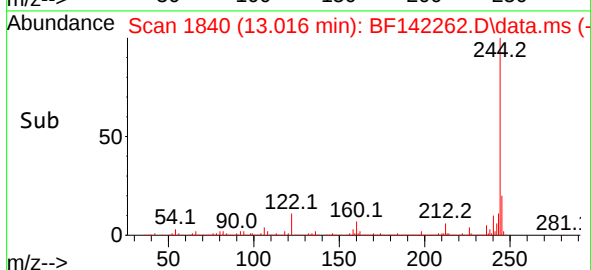
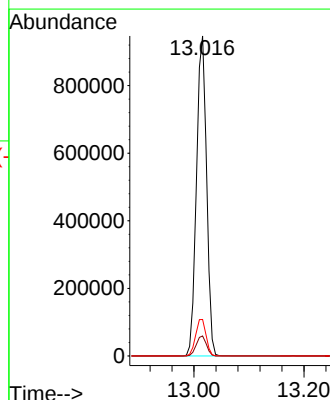
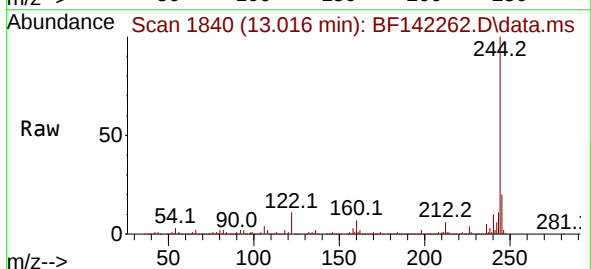
Tgt Ion:244 Resp: 1207717

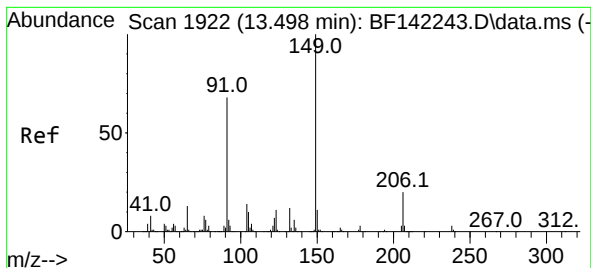
Ion Ratio Lower Upper

244 100

212 6.3 5.3 7.9

122 11.4 9.1 13.7





#80

Butylbenzylphthalate

Concen: 3.792 ng

RT: 13.486 min Scan# 1922

Delta R.T. -0.012 min

Lab File: BF142262.D

Acq: 01 May 2025 16:03

Instrument :

BNA_F

ClientSampleId :

COMP-4

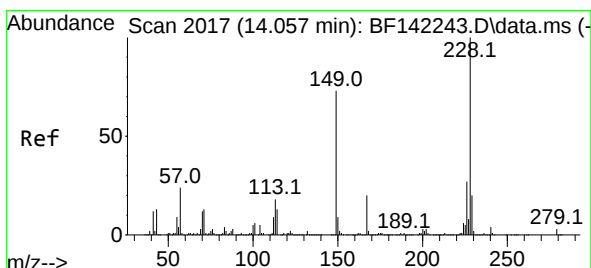
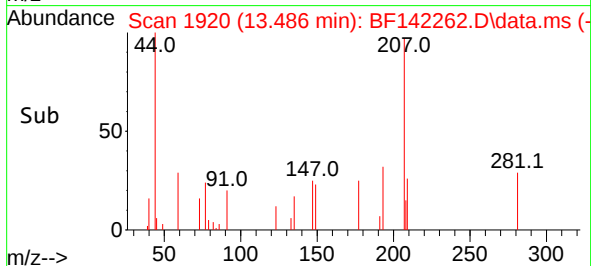
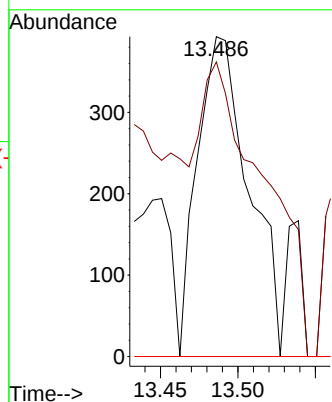
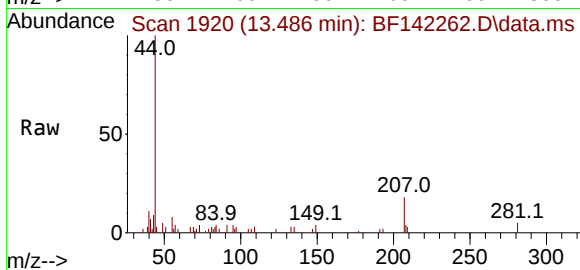
Tgt Ion:149 Resp: 908

Ion Ratio Lower Upper

149 100

91 92.1 54.4 81.6#

206 0.0 15.9 23.9#



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.148 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF142262.D

Acq: 01 May 2025 16:03

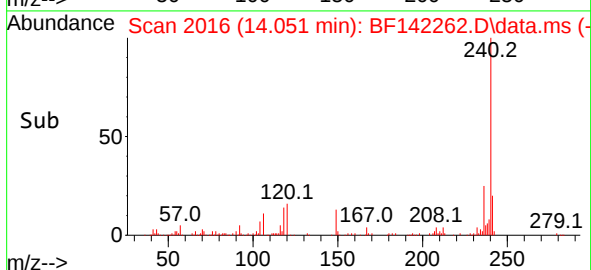
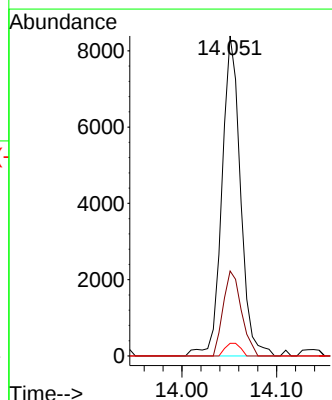
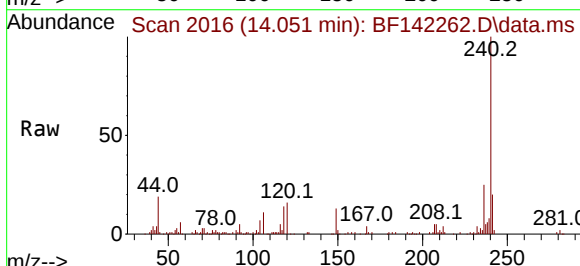
Tgt Ion:149 Resp: 11440

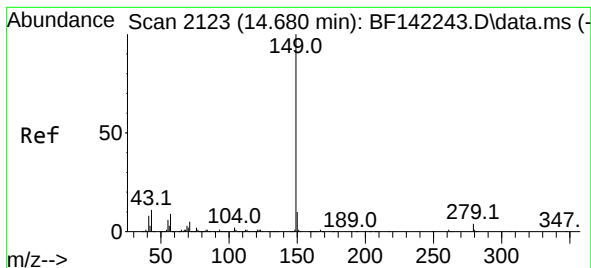
Ion Ratio Lower Upper

149 100

167 26.6 21.7 32.5

279 4.0 3.0 4.4

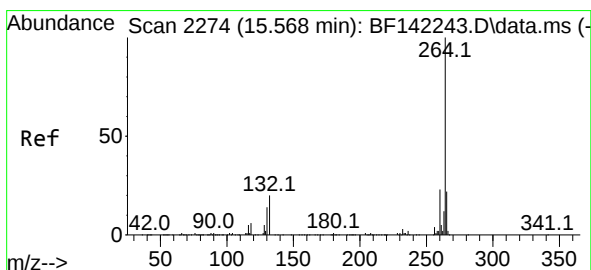
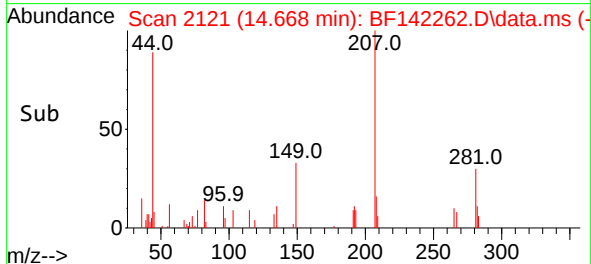
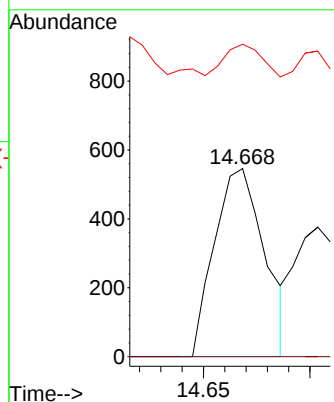
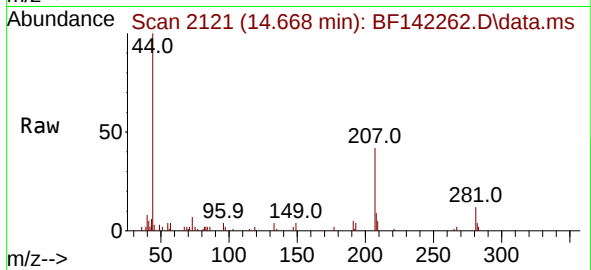




#85
Di-n-octyl phthalate
Concen: 6.096 ng
RT: 14.668 min Scan# 2123
Delta R.T. -0.012 min
Lab File: BF142262.D
Acq: 01 May 2025 16:03

Instrument :
BNA_F
ClientSampleId :
COMP-4

Tgt Ion:149 Resp: 895
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# 2272
Delta R.T. -0.012 min
Lab File: BF142262.D
Acq: 01 May 2025 16:03

Tgt Ion:264 Resp: 441251
Ion Ratio Lower Upper
264 100
260 22.8 18.4 27.6
265 21.4 17.3 25.9

