

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051325\
 Data File : BF142358.D
 Acq On : 13 May 2025 21:59
 Operator : RC/JU
 Sample : Q2004-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2811

Quant Time: May 14 00:59:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

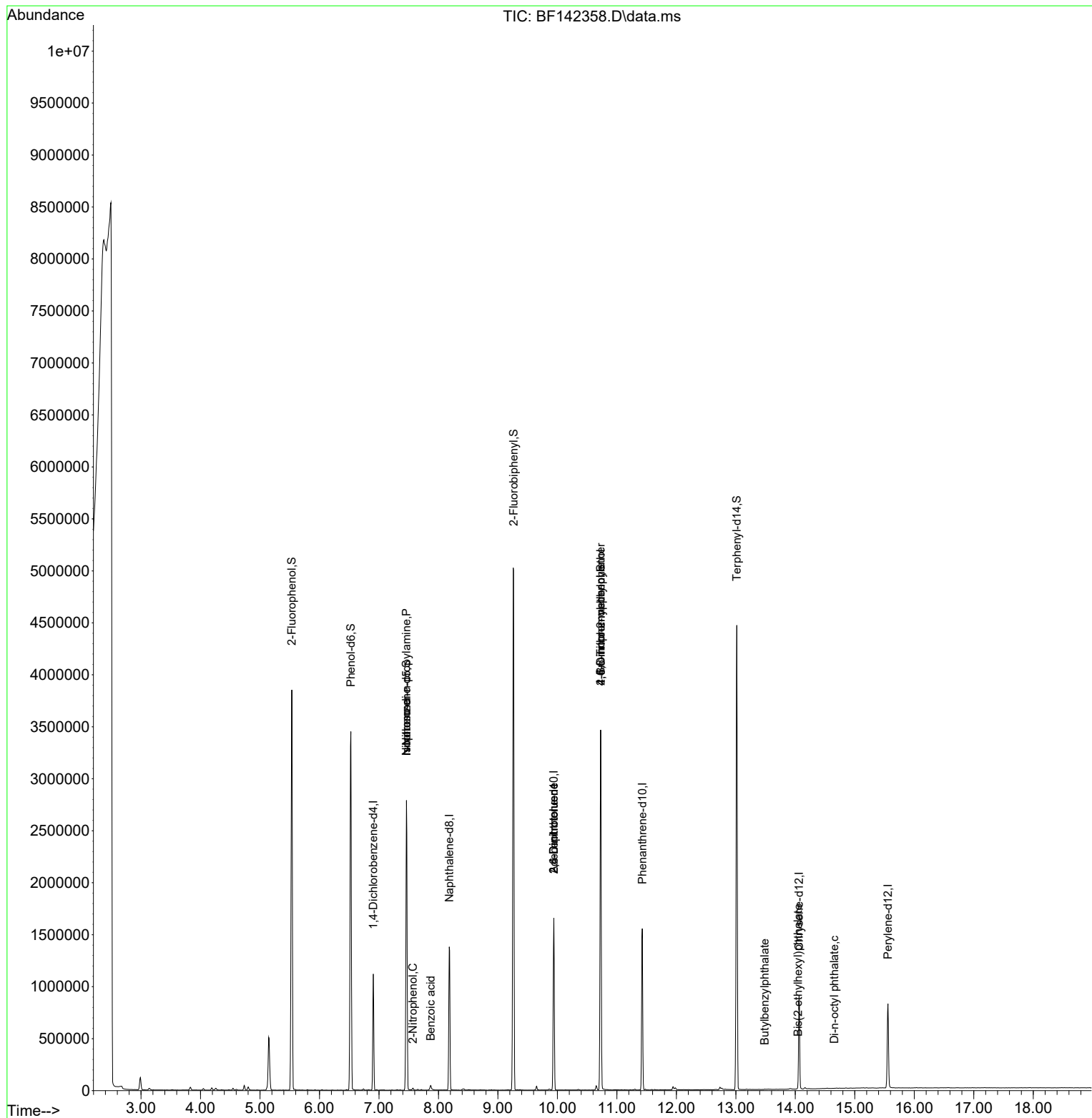
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	234925	20.000	ng	0.00
21) Naphthalene-d8	8.180	136	899573	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	494360	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	804842	20.000	ng	0.00
76) Chrysene-d12	14.062	240	438752	20.000	ng	0.00
86) Perylene-d12	15.556	264	470884	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	1557348	113.164	ng	0.02
7) Phenol-d6	6.528	99	1788517	105.667	ng	0.00
23) Nitrobenzene-d5	7.463	82	1238237	83.947	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	667811	139.916	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2454194	70.786	ng	0.00
79) Terphenyl-d14	13.015	244	2261763	76.299	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	167655	16.013	ng	# 77
25) Isophorone	7.463	82	1233592	44.165	ng	# 62
26) 2-Nitrophenol	7.569	139	60	4.096	ng	# 36
32) Benzoic acid	7.869	122	16374	8.224	ng	# 97
51) 2,6-Dinitrotoluene	9.939	165	63470	10.682	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	63470	8.327	ng	# 24
65) 4,6-Dinitro-2-methylph...	10.727	198	1030	7.418	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	40161	4.403	ng	# 1
80) Butylbenzylphthalate	13.486	149	1060	3.745	ng	# 83
84) Bis(2-ethylhexyl)phtha...	14.045	149	5799	4.593	ng	# 93
85) Di-n-octyl phthalate	14.657	149	928	7.869	ng	# 8

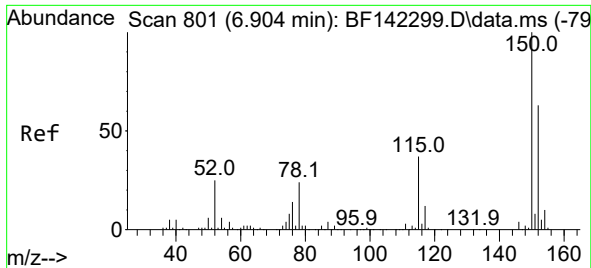
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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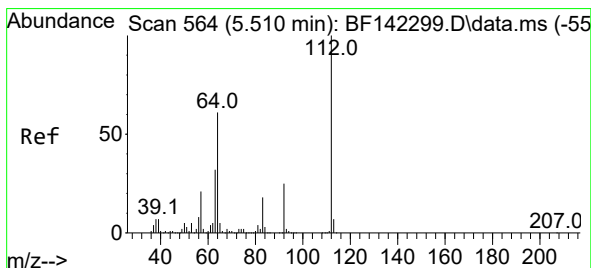
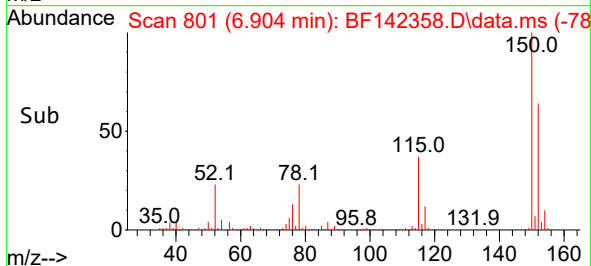
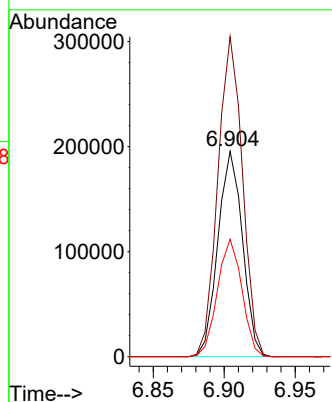
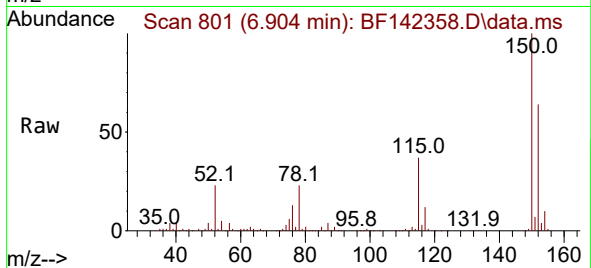




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142358.D
Acq: 13 May 2025 21:59

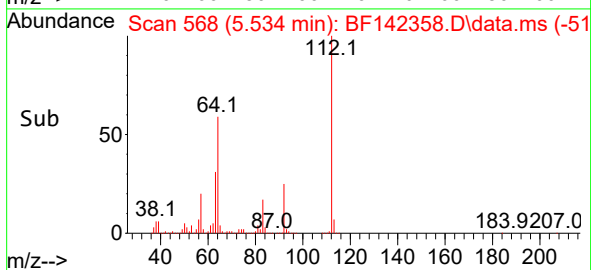
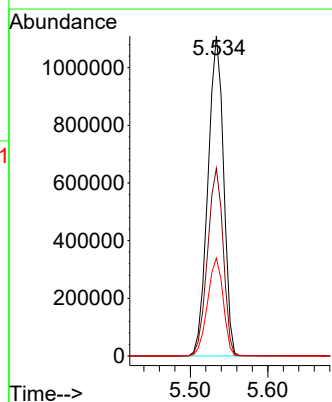
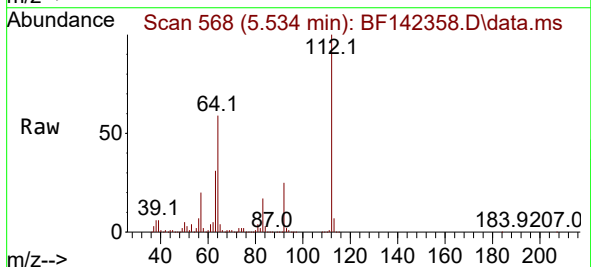
Instrument :
BNA_F
ClientSampleId :
2811

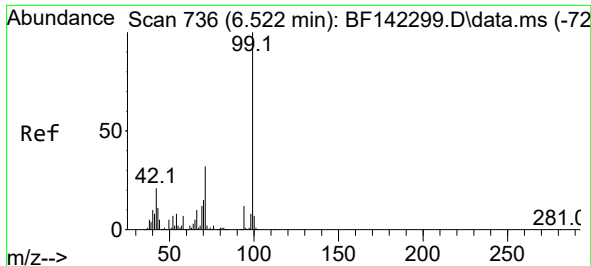
Tgt Ion:152 Resp: 234925
Ion Ratio Lower Upper
152 100
150 155.9 126.6 190.0
115 57.2 47.3 70.9



#5
2-Fluorophenol
Concen: 113.164 ng
RT: 5.534 min Scan# 568
Delta R.T. 0.023 min
Lab File: BF142358.D
Acq: 13 May 2025 21:59

Tgt Ion:112 Resp: 1557348
Ion Ratio Lower Upper
112 100
64 58.7 48.9 73.3
63 30.6 25.6 38.4

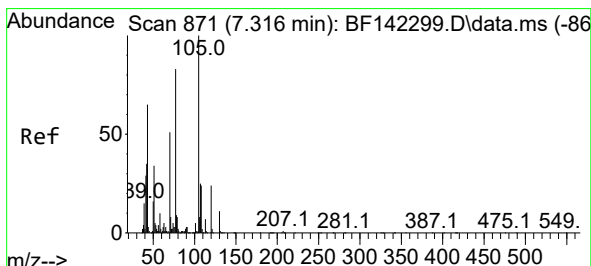
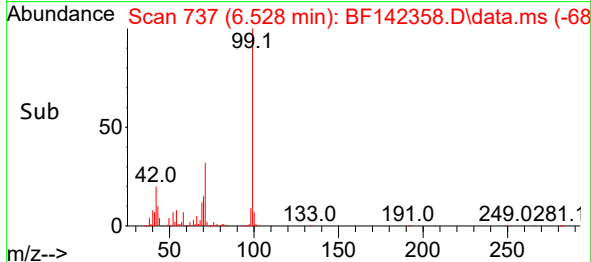
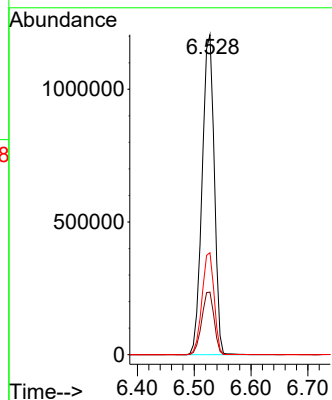
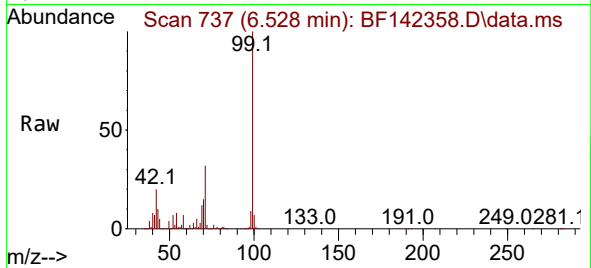




#7
Phenol-d6
Concen: 105.667 ng
RT: 6.528 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF142358.D
Acq: 13 May 2025 21:59

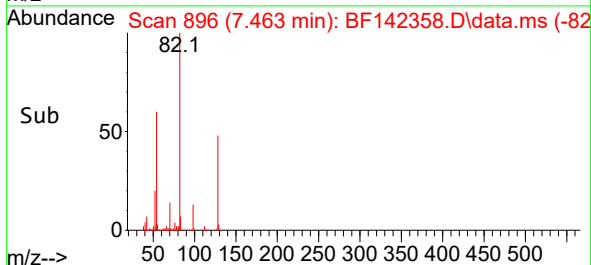
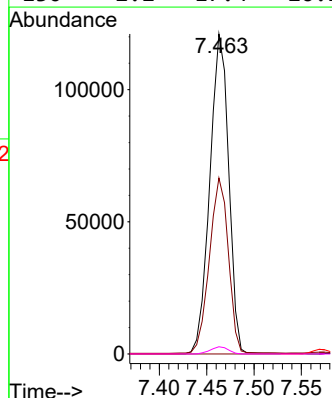
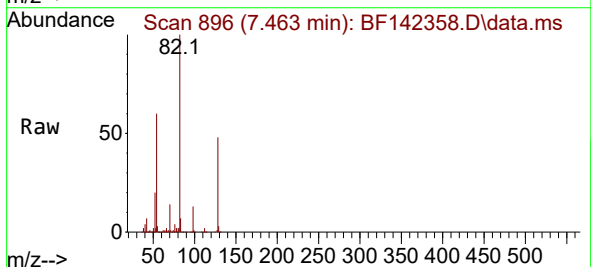
Instrument :
BNA_F
ClientSampleId :
2811

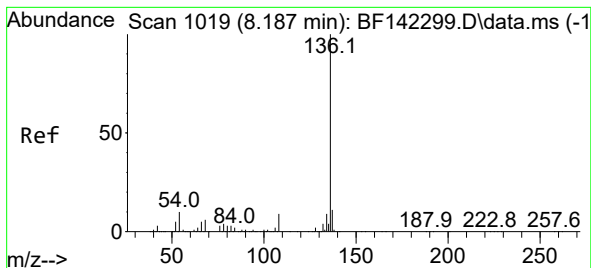
Tgt Ion: 99 Resp: 1788517
Ion Ratio Lower Upper
99 100
42 19.6 17.0 25.4
71 31.9 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 16.013 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.147 min
Lab File: BF142358.D
Acq: 13 May 2025 21:59

Tgt Ion: 70 Resp: 167655
Ion Ratio Lower Upper
70 100
42 55.0 54.8 82.2
101 0.0 7.7 11.5#
130 2.2 17.4 26.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.180 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF142358.D

Acq: 13 May 2025 21:59

Instrument :

BNA_F

ClientSampleId :

2811

Tgt Ion:136 Resp: 899573

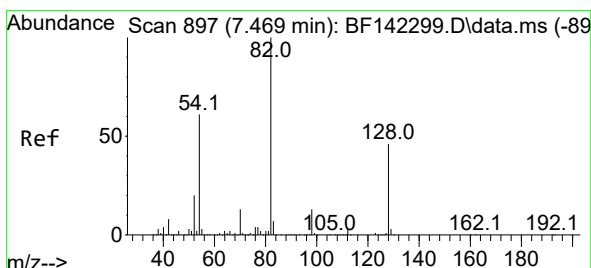
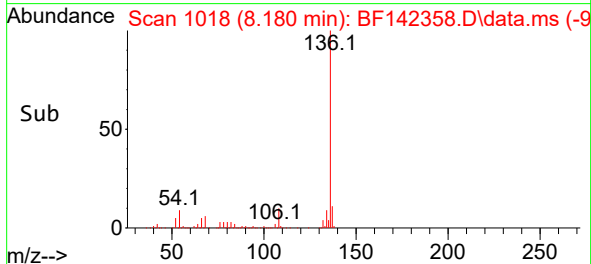
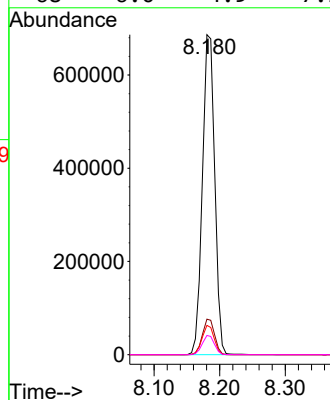
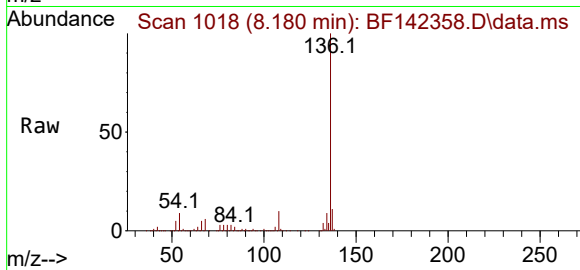
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.2 7.7 11.5

68 6.0 4.9 7.3



#23

Nitrobenzene-d5

Concen: 83.947 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF142358.D

Acq: 13 May 2025 21:59

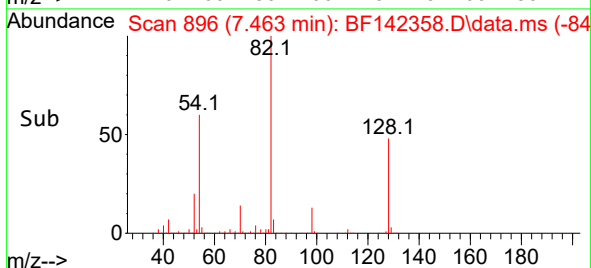
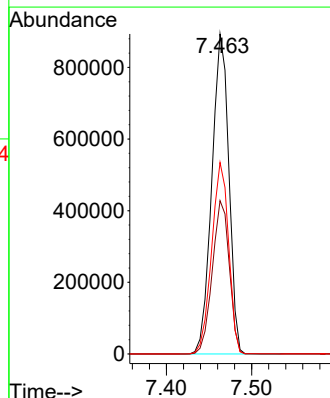
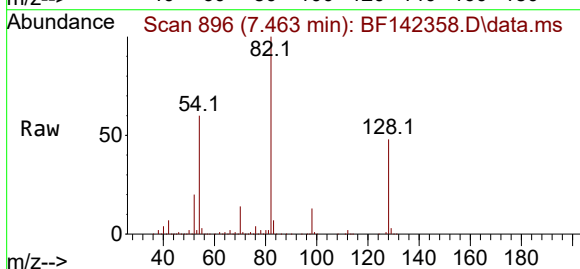
Tgt Ion: 82 Resp: 1238237

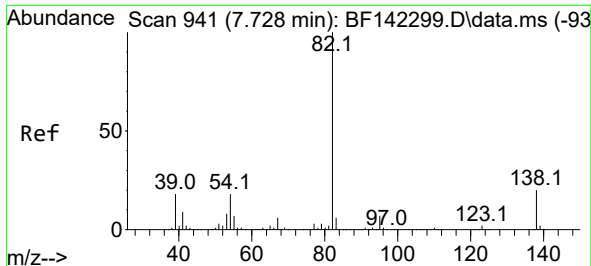
Ion Ratio Lower Upper

82 100

128 47.9 37.0 55.6

54 59.9 48.6 73.0

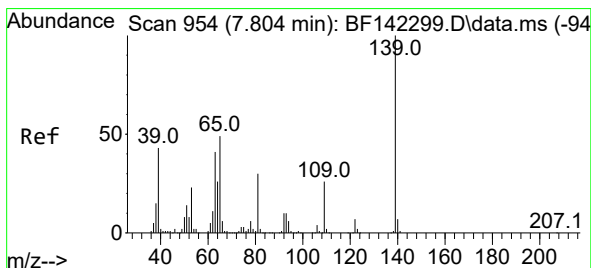
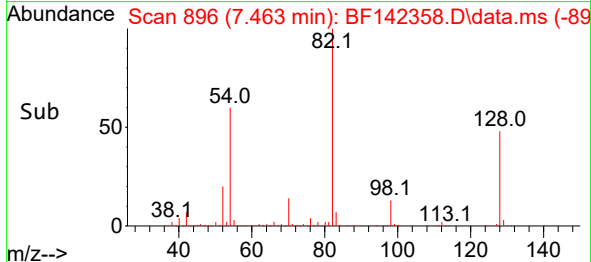
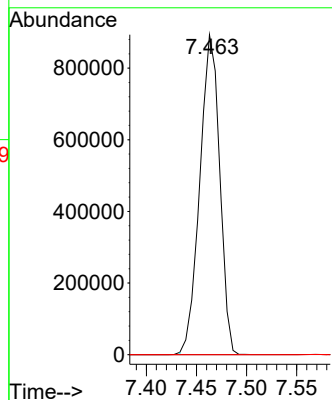
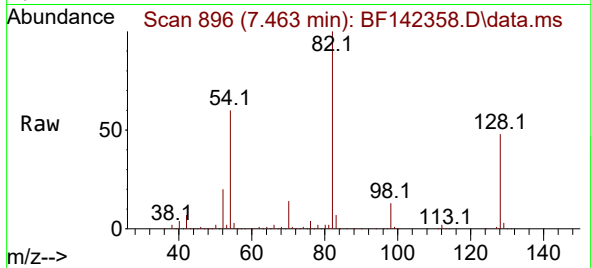




#25
Isophorone
Concen: 44.165 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF142358.D
Acq: 13 May 2025 21:59

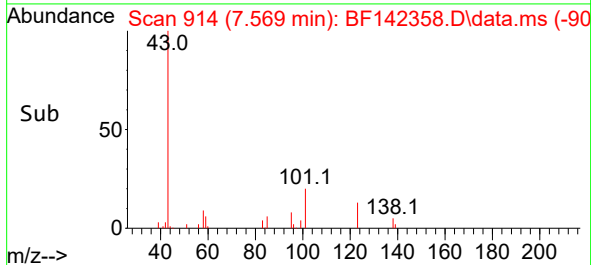
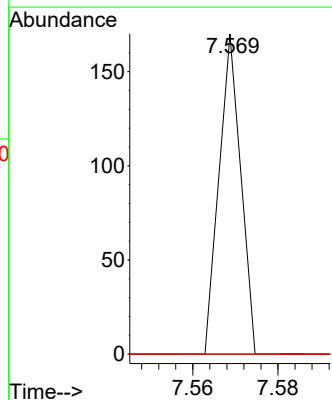
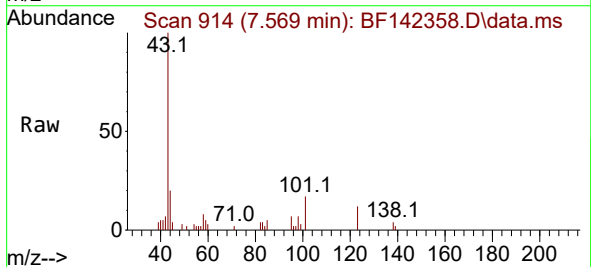
Instrument :
BNA_F
ClientSampleId :
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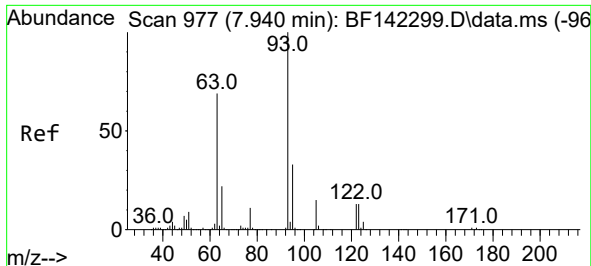
Tgt Ion: 82 Resp: 1233592
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#26
2-Nitrophenol
Concen: 4.096 ng
RT: 7.569 min Scan# 914
Delta R.T. -0.235 min
Lab File: BF142358.D
Acq: 13 May 2025 21:59

Tgt Ion:139 Resp: 60
Ion Ratio Lower Upper
139 100
109 0.0 20.8 31.2#
65 0.0 38.9 58.3#

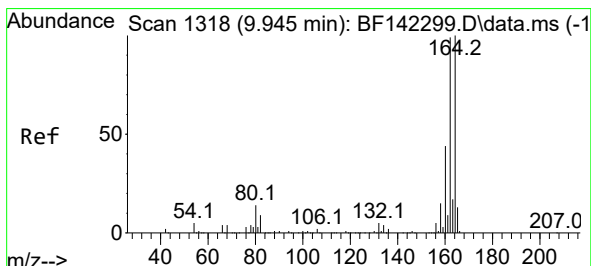
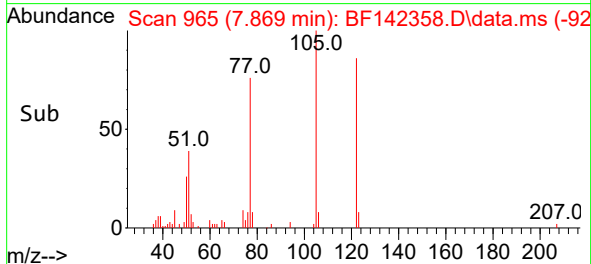
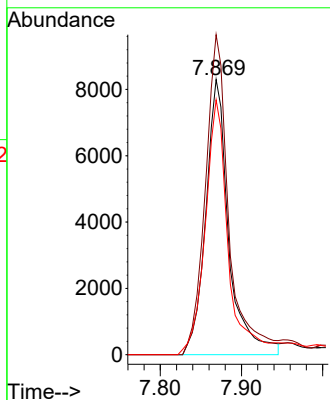
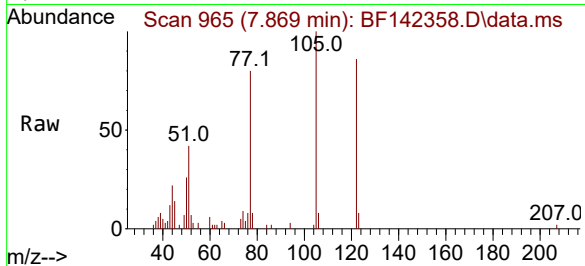




#32
Benzoic acid
Concen: 8.224 ng
RT: 7.869 min Scan# 91
Delta R.T. -0.071 min
Lab File: BF142358.D
Acq: 13 May 2025 21:59

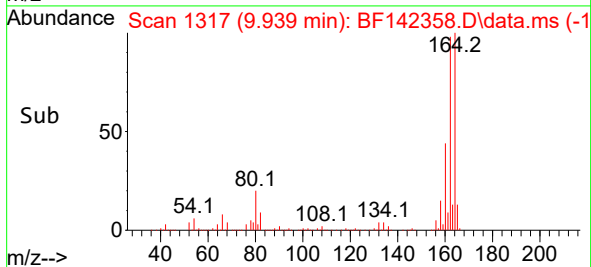
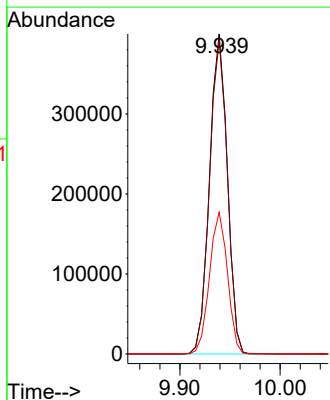
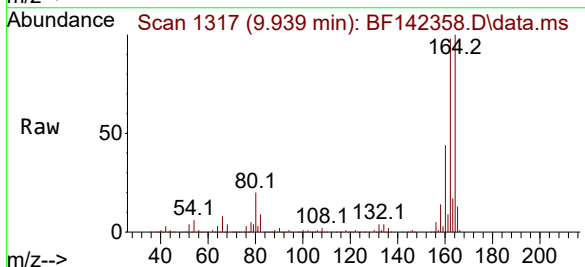
Instrument :
BNA_F
ClientSampleId :
2811

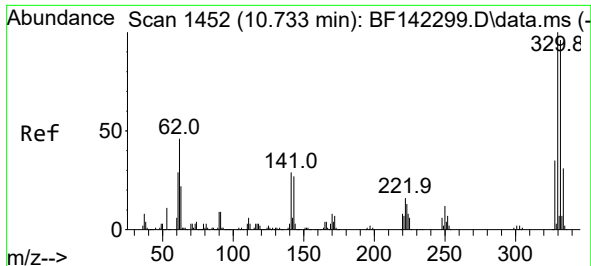
Tgt Ion:122 Resp: 16374
Ion Ratio Lower Upper
122 100
105 116.3 97.9 137.9
77 92.6 67.7 107.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142358.D
Acq: 13 May 2025 21:59

Tgt Ion:164 Resp: 494360
Ion Ratio Lower Upper
164 100
162 98.0 79.2 118.8
160 44.3 35.3 52.9

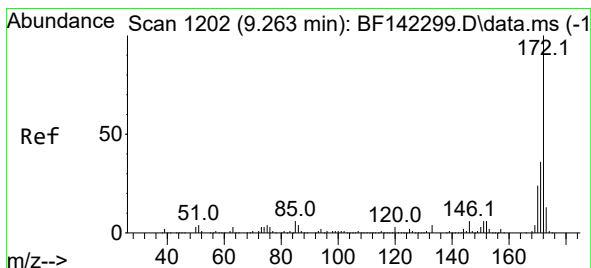
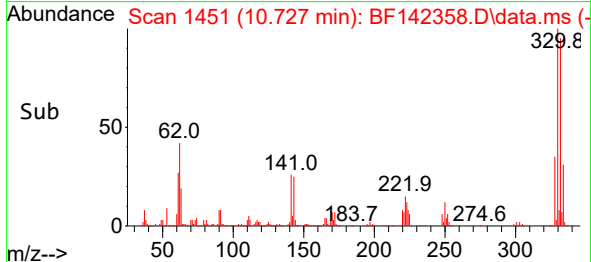
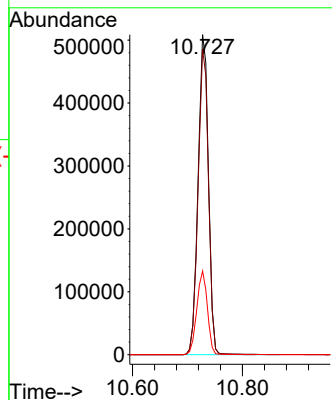
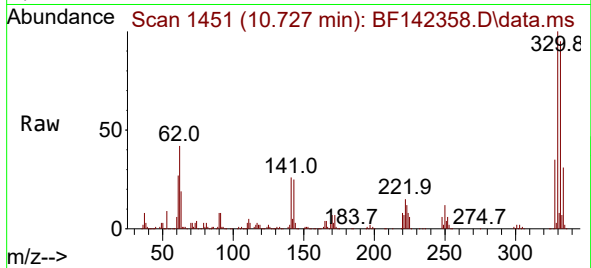




#42
 2,4,6-Tribromophenol
 Concen: 139.916 ng
 RT: 10.727 min Scan# 1451
 Delta R.T. -0.006 min
 Lab File: BF142358.D
 Acq: 13 May 2025 21:59

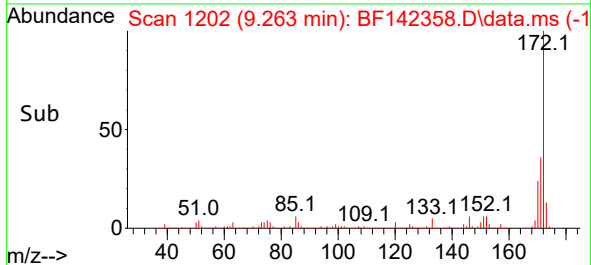
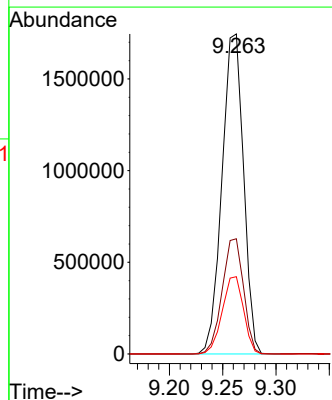
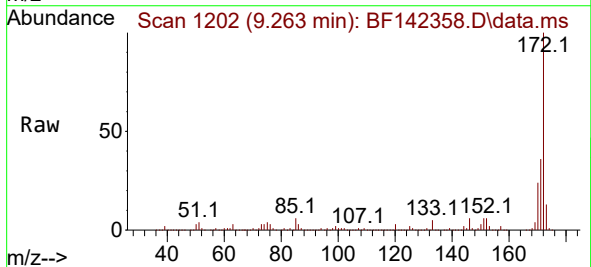
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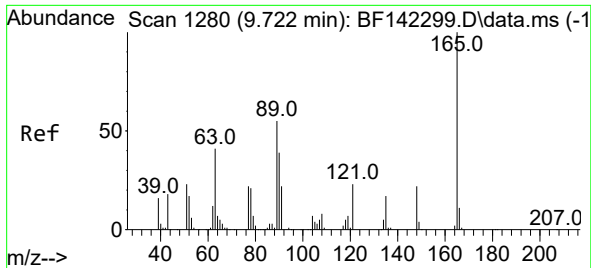
Tgt Ion:330 Resp: 667811
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.8 115.2
 141 26.5 24.9 37.3



#45
 2-Fluorobiphenyl
 Concen: 70.786 ng
 RT: 9.263 min Scan# 1202
 Delta R.T. -0.000 min
 Lab File: BF142358.D
 Acq: 13 May 2025 21:59

Tgt Ion:172 Resp: 2454194
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.6 42.8
 170 24.2 19.0 28.4

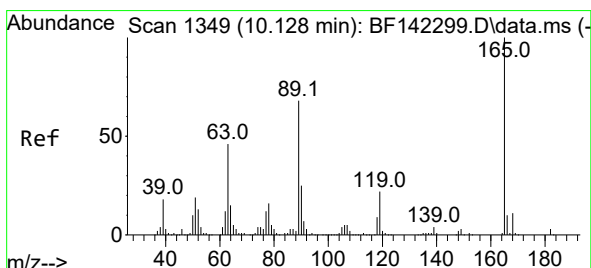
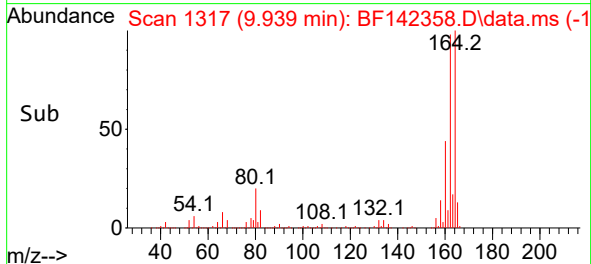
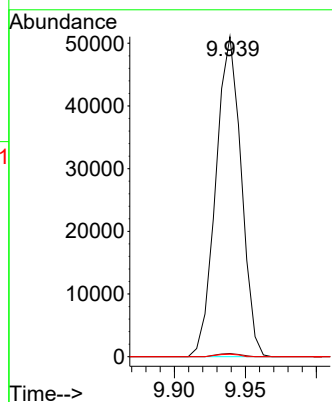
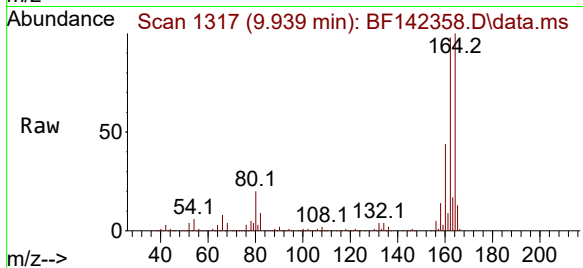




#51
2,6-Dinitrotoluene
Concen: 10.682 ng
RT: 9.939 min Scan# 11
Delta R.T. 0.217 min
Lab File: BF142358.D
Acq: 13 May 2025 21:59

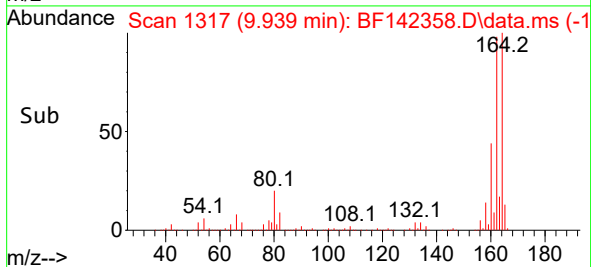
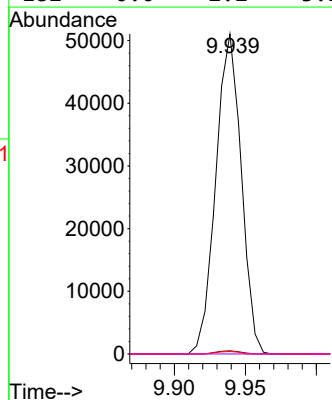
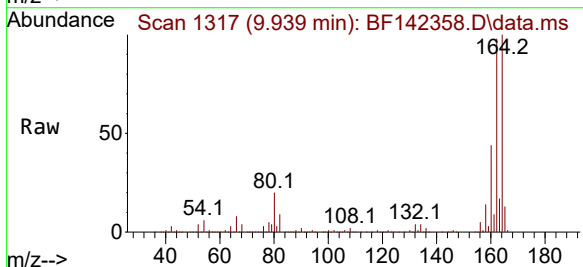
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BNA_F
ClientSampleId :
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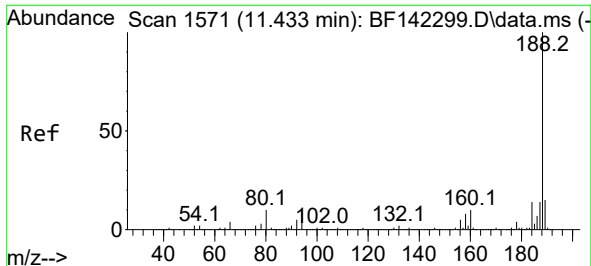
Tgt Ion:165 Resp: 63470
Ion Ratio Lower Upper
165 100
63 1.0 49.5 74.3#
89 0.8 44.6 66.8#



#57
2,4-Dinitrotoluene
Concen: 8.327 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.188 min
Lab File: BF142358.D
Acq: 13 May 2025 21:59

Tgt Ion:165 Resp: 63470
Ion Ratio Lower Upper
165 100
63 1.0 37.1 55.7#
89 0.8 54.4 81.6#
182 0.0 2.2 3.2#

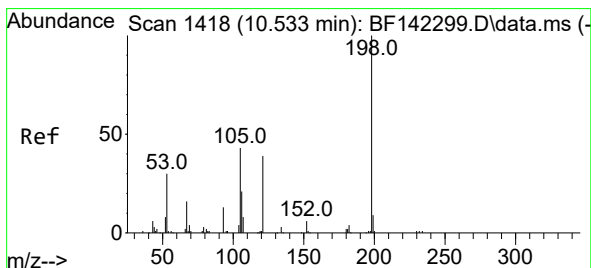
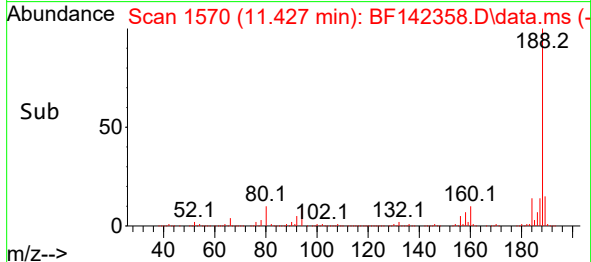
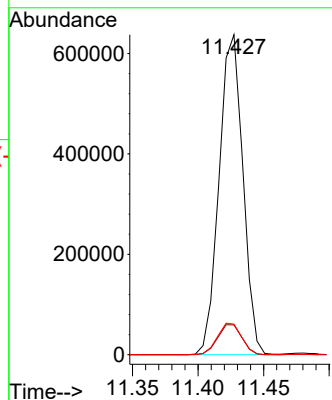
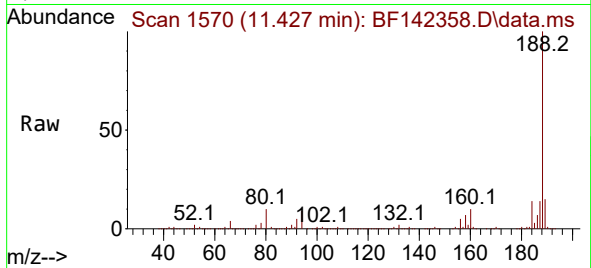




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142358.D
Acq: 13 May 2025 21:59

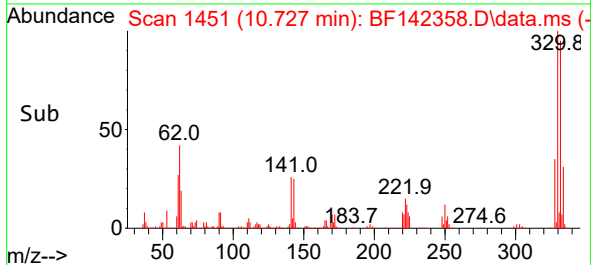
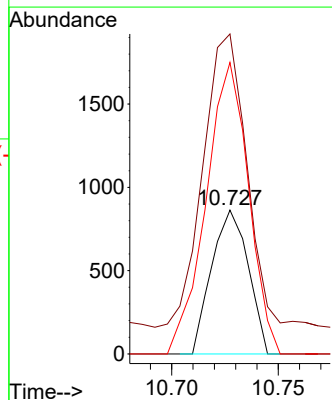
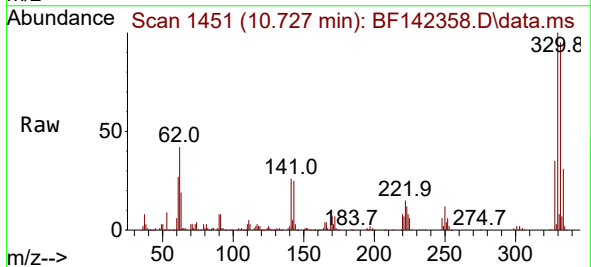
Instrument :
BNA_F
ClientSampleId :
2811

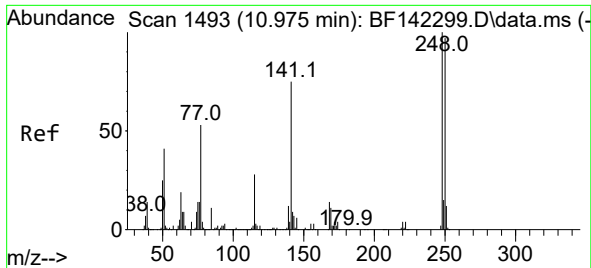
Tgt Ion:188 Resp: 804842
Ion Ratio Lower Upper
188 100
94 9.3 7.5 11.3
80 9.6 7.9 11.9



#65
4,6-Dinitro-2-methylphenol
Concen: 7.418 ng
RT: 10.727 min Scan# 1451
Delta R.T. 0.194 min
Lab File: BF142358.D
Acq: 13 May 2025 21:59

Tgt Ion:198 Resp: 1030
Ion Ratio Lower Upper
198 100
51 222.6 32.9 72.9#
105 202.8 23.7 63.7#

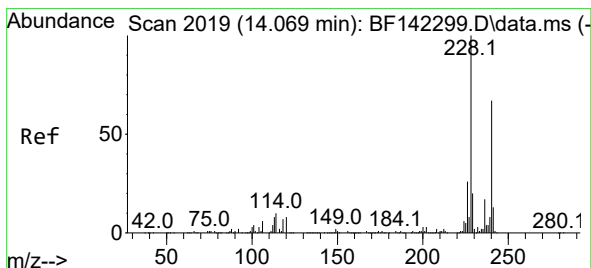
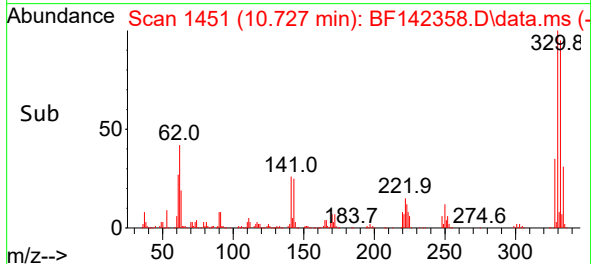
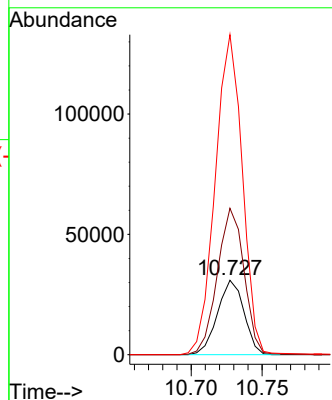
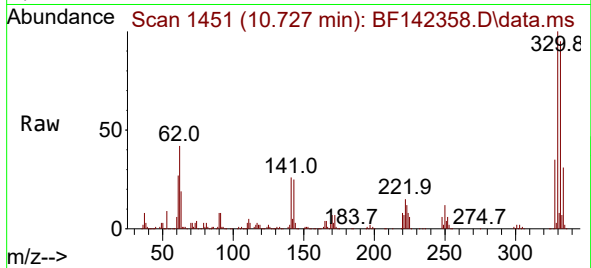




#67
4-Bromophenyl-phenylether
Concen: 4.403 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF142358.D
Acq: 13 May 2025 21:59

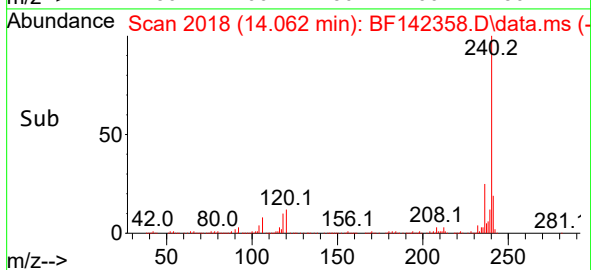
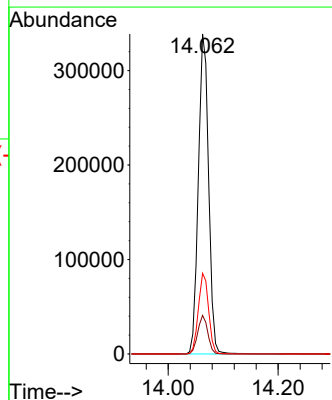
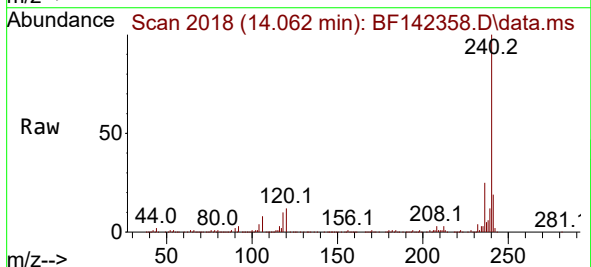
Instrument :
BNA_F
ClientSampleId :
2811

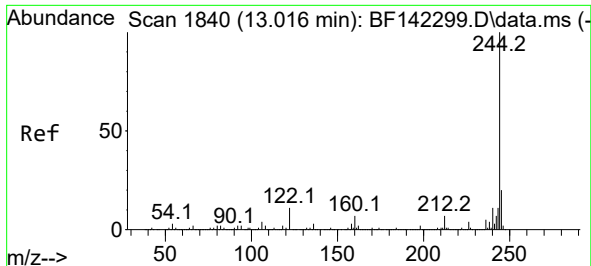
Tgt Ion:248 Resp: 40161
Ion Ratio Lower Upper
248 100
250 196.6 77.9 116.9#
141 429.7 59.8 89.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142358.D
Acq: 13 May 2025 21:59

Tgt Ion:240 Resp: 438752
Ion Ratio Lower Upper
240 100
120 12.1 9.7 14.5
236 25.2 20.0 30.0

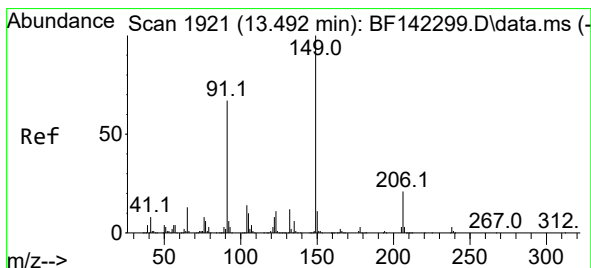
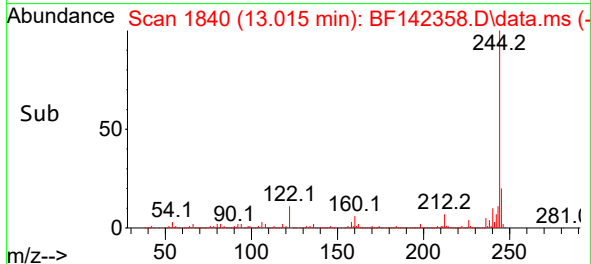
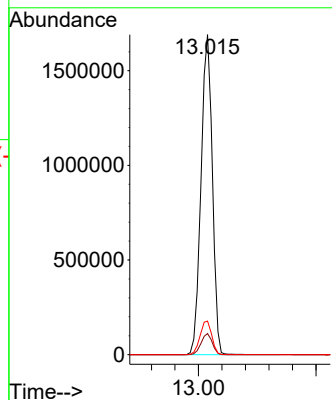
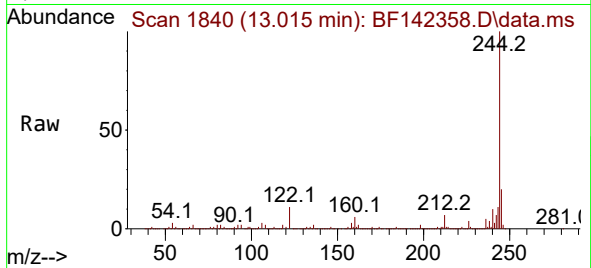




#79
 Terphenyl-d14
 Concen: 76.299 ng
 RT: 13.015 min Scan# 1840
 Delta R.T. -0.000 min
 Lab File: BF142358.D
 Acq: 13 May 2025 21:59

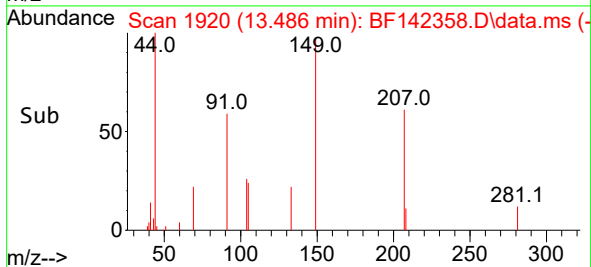
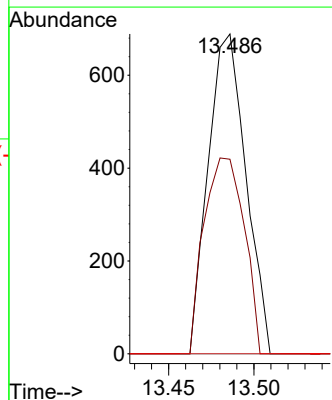
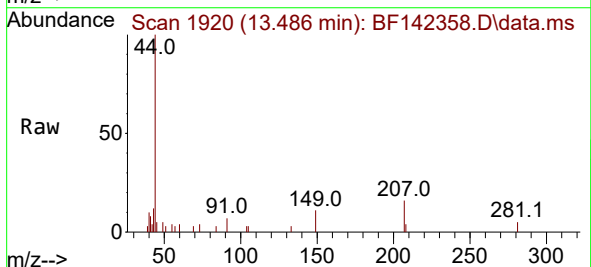
Instrument :
 BNA_F
 ClientSampleId :
 2811

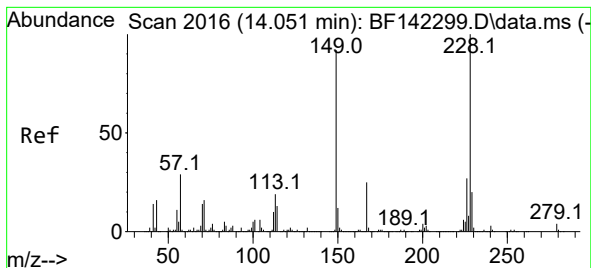
Tgt Ion:244 Resp: 2261763
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.2
 122 10.5 9.0 13.4



#80
 Butylbenzylphthalate
 Concen: 3.745 ng
 RT: 13.486 min Scan# 1920
 Delta R.T. -0.006 min
 Lab File: BF142358.D
 Acq: 13 May 2025 21:59

Tgt Ion:149 Resp: 1060
 Ion Ratio Lower Upper
 149 100
 91 60.8 53.8 80.6
 206 0.0 16.6 24.8#





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.593 ng

RT: 14.045 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF142358.D

Acq: 13 May 2025 21:59

Instrument :

BNA_F

ClientSampleId :

2811

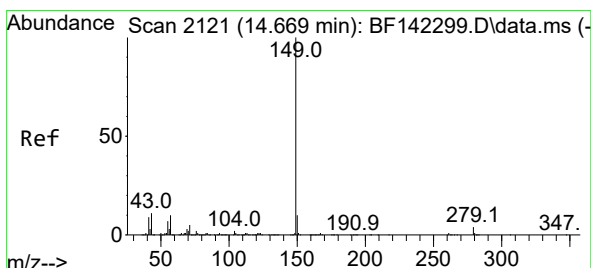
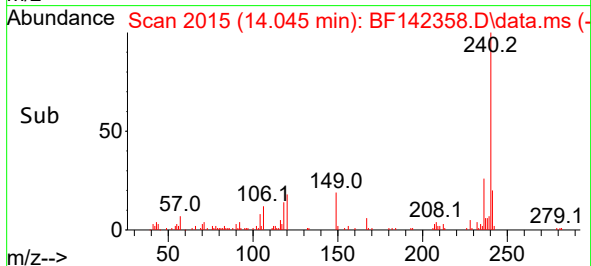
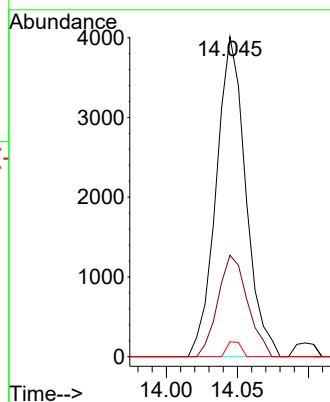
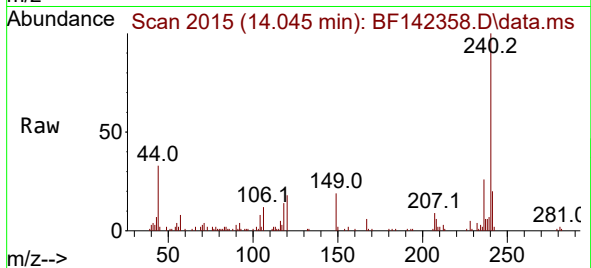
Tgt Ion:149 Resp: 5799

Ion Ratio Lower Upper

149 100

167 31.7 22.0 33.0

279 4.7 3.0 4.6#



#85

Di-n-octyl phthalate

Concen: 7.869 ng

RT: 14.657 min Scan# 2119

Delta R.T. -0.012 min

Lab File: BF142358.D

Acq: 13 May 2025 21:59

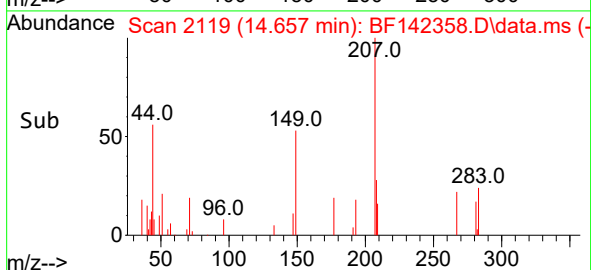
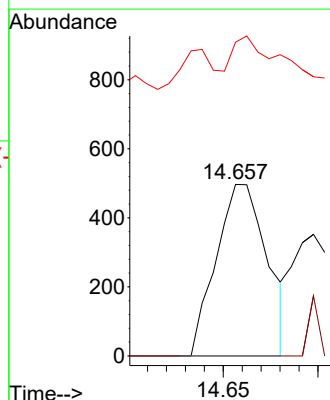
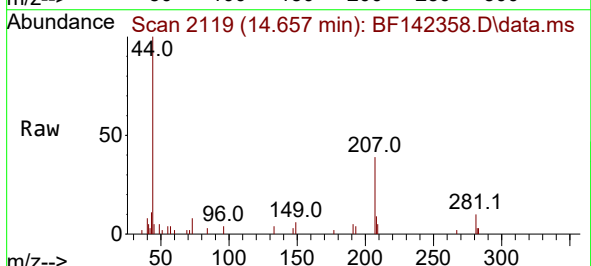
Tgt Ion:149 Resp: 928

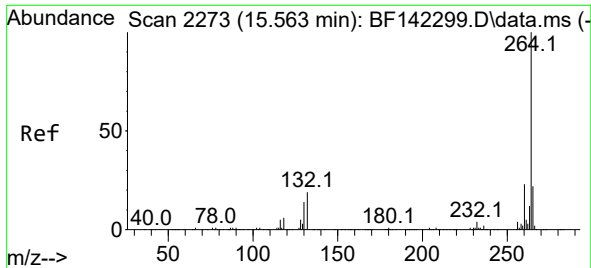
Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

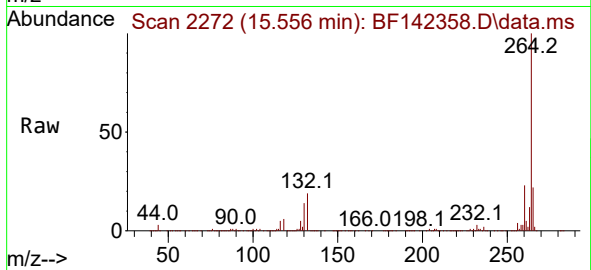
43 50.9 9.2 13.8#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.556 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF142358.D
 Acq: 13 May 2025 21:59

Instrument :
 BNA_F
 ClientSampleId :
 2811



Tgt Ion:264 Resp: 470884
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.6 27.8
 265 21.6 17.5 26.3

