

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051325\
 Data File : BF142351.D
 Acq On : 13 May 2025 18:37
 Operator : RC/JU
 Sample : Q2004-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 205510

Quant Time: May 14 00:56:29 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

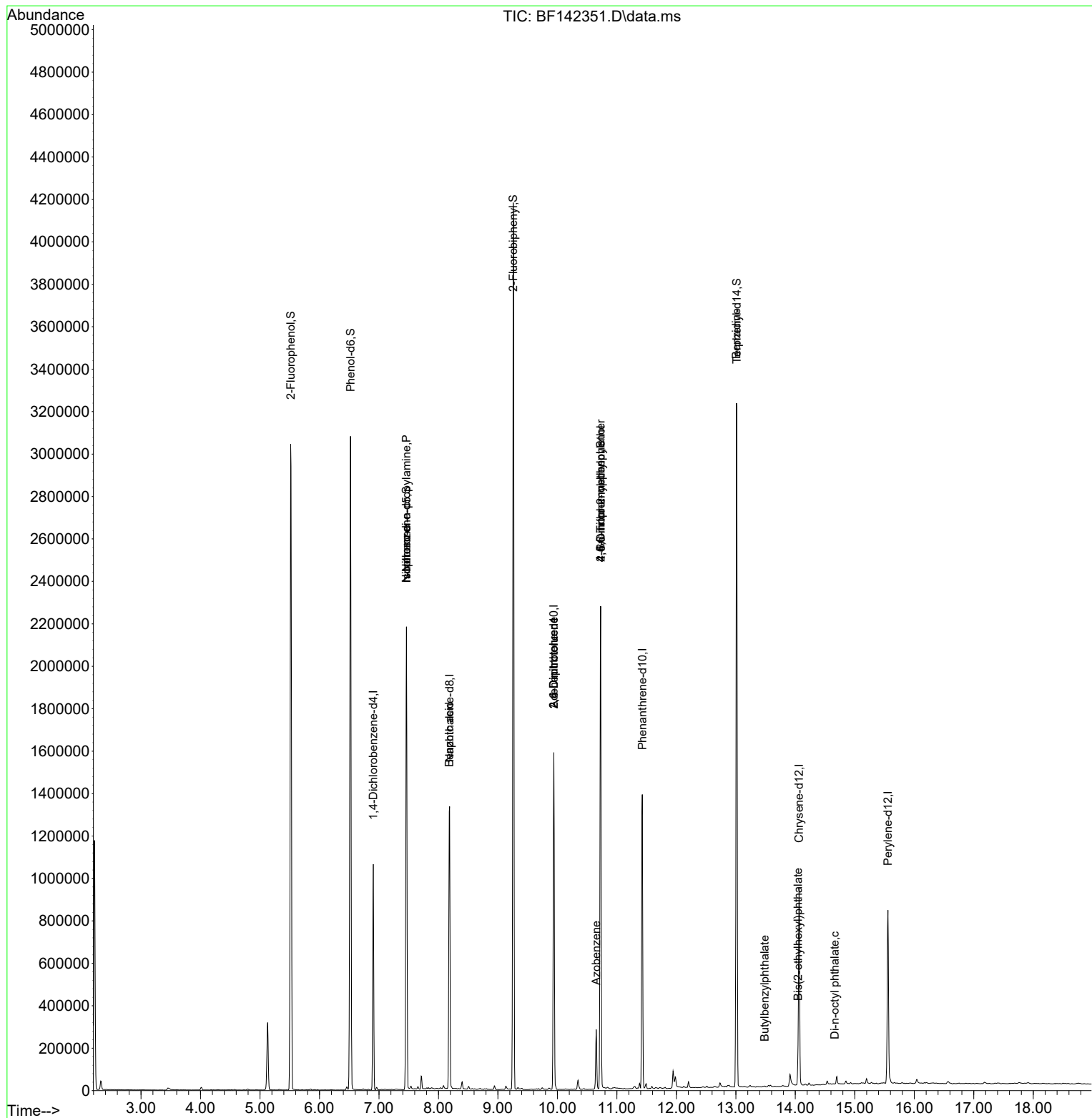
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	227031	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	874075	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	459844	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	723339	20.000	ng	0.00
76) Chrysene-d12	14.063	240	443337	20.000	ng	0.00
86) Perylene-d12	15.557	264	473204	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1233615	92.757	ng	0.00
7) Phenol-d6	6.522	99	1528052	93.417	ng	0.00
23) Nitrobenzene-d5	7.463	82	924731	64.522	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	406391	91.536	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1936155	60.036	ng	0.00
79) Terphenyl-d14	13.016	244	1635209	54.592	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.463	70	123598	12.216	ng	# 77
25) Isophorone	7.463	82	909460	33.510	ng	# 62
32) Benzoic acid	8.181	122	199	6.043	ng	# 1
51) 2,6-Dinitrotoluene	9.939	165	59393	10.746	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	59393	8.377	ng	# 25
63) Azobenzene	10.651	77	59853	2.124	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.727	198	799	7.387	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	25181	3.072	ng	# 1
77) Benzidine	13.010	184	20542	2.550	ng	# 96
80) Butylbenzylphthalate	13.486	149	1924	3.814	ng	# 74
84) Bis(2-ethylhexyl)phtha...	14.045	149	45818	7.022	ng	# 98
85) Di-n-octyl phthalate	14.662	149	806	7.865	ng	# 50

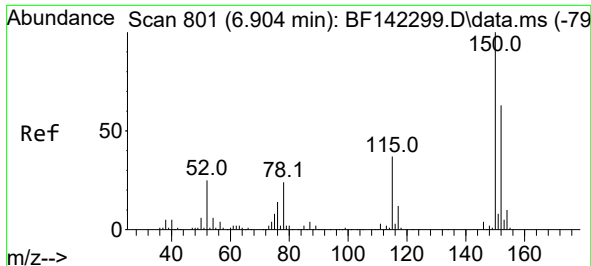
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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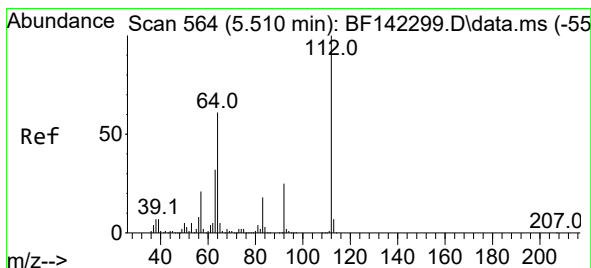
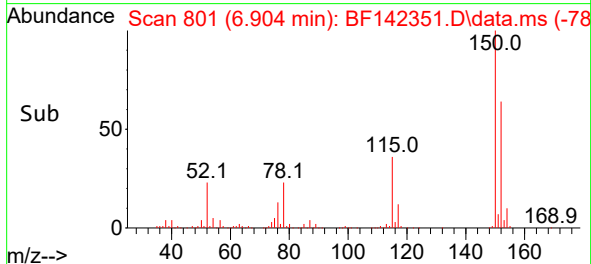
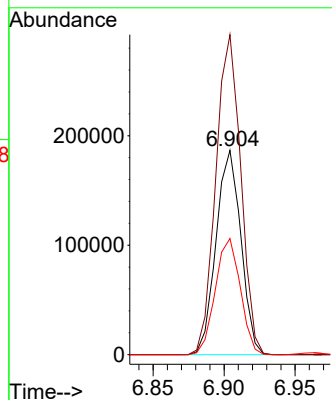
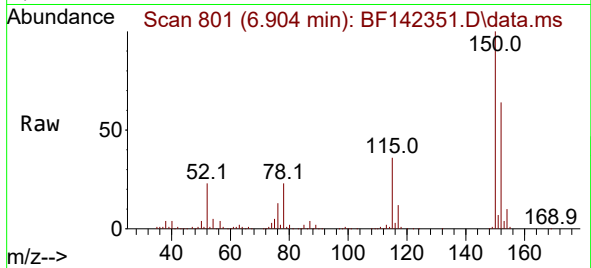




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: BF142351.D
 Acq: 13 May 2025 18:37

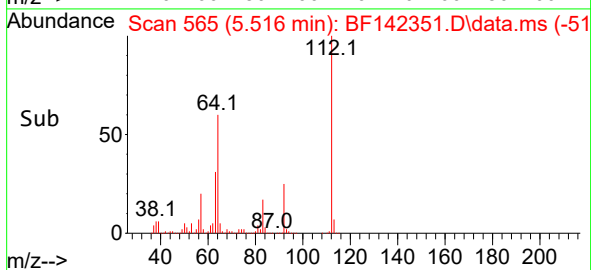
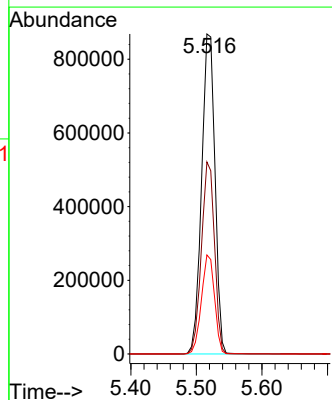
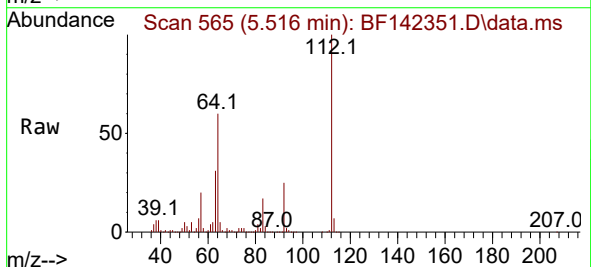
Instrument :
 BNA_F
 ClientSampleId :
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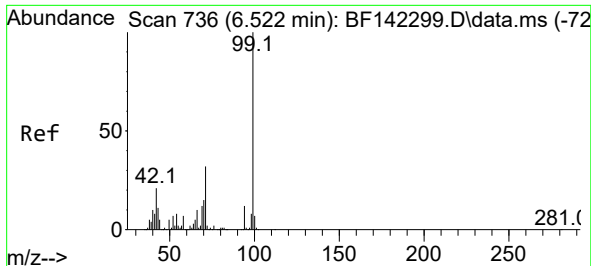
Tgt Ion:152 Resp: 227031
 Ion Ratio Lower Upper
 152 100
 150 156.6 126.6 190.0
 115 56.9 47.3 70.9



#5
 2-Fluorophenol
 Concen: 92.757 ng
 RT: 5.516 min Scan# 565
 Delta R.T. 0.006 min
 Lab File: BF142351.D
 Acq: 13 May 2025 18:37

Tgt Ion:112 Resp: 1233615
 Ion Ratio Lower Upper
 112 100
 64 60.0 48.9 73.3
 63 30.9 25.6 38.4

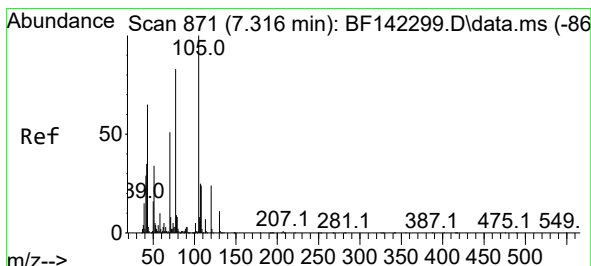
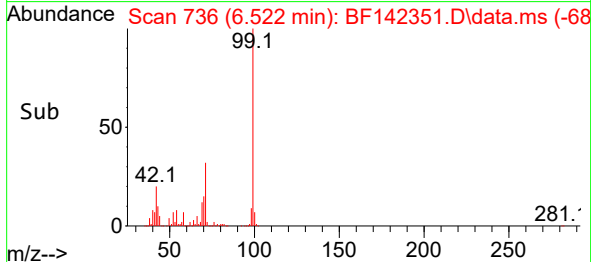
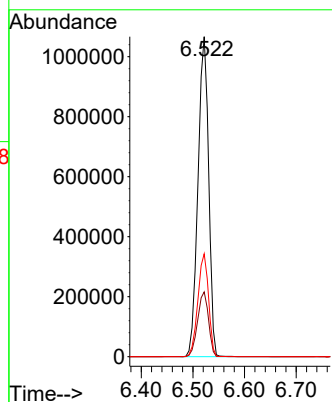
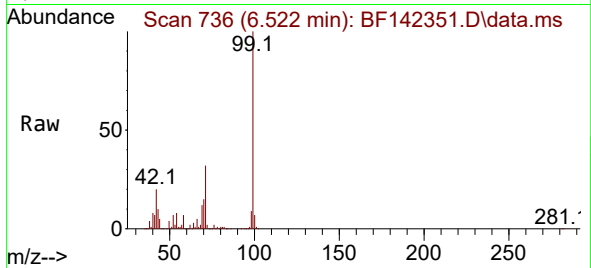




#7
Phenol-d6
Concen: 93.417 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF142351.D
Acq: 13 May 2025 18:37

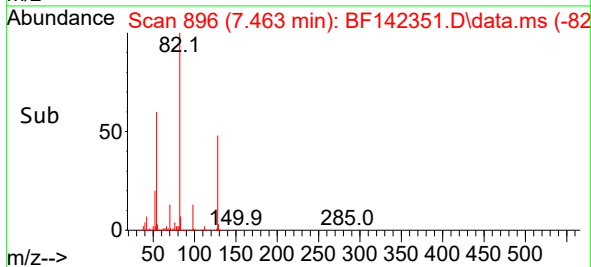
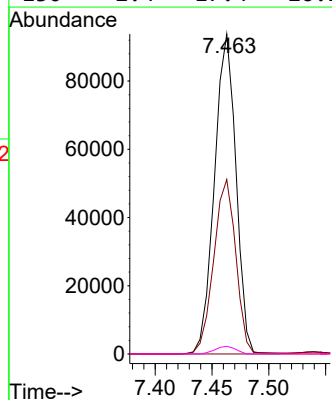
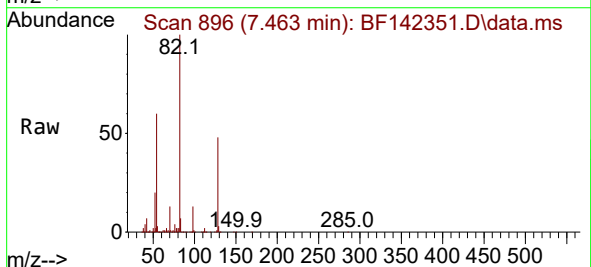
Instrument :
BNA_F
ClientSampleId :
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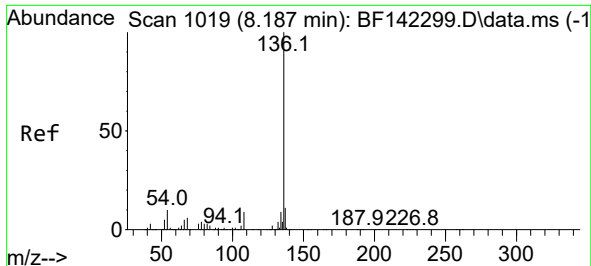
Tgt Ion: 99 Resp: 1528052
Ion Ratio Lower Upper
99 100
42 20.3 17.0 25.4
71 32.1 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.216 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.147 min
Lab File: BF142351.D
Acq: 13 May 2025 18:37

Tgt Ion: 70 Resp: 123598
Ion Ratio Lower Upper
70 100
42 54.5 54.8 82.2#
101 0.0 7.7 11.5#
130 2.4 17.4 26.2#

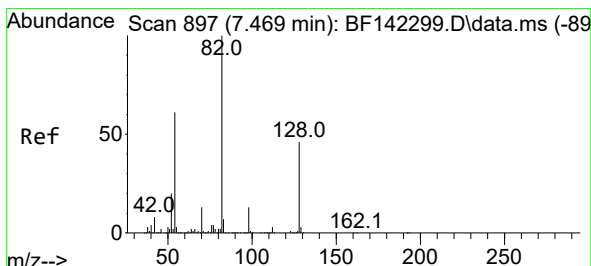
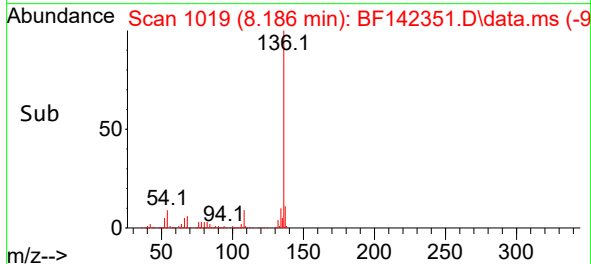
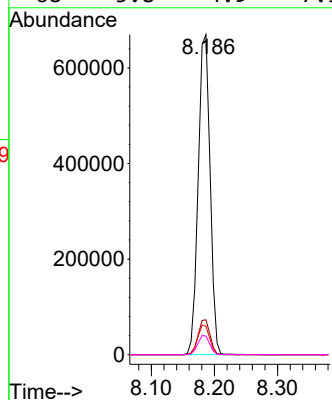
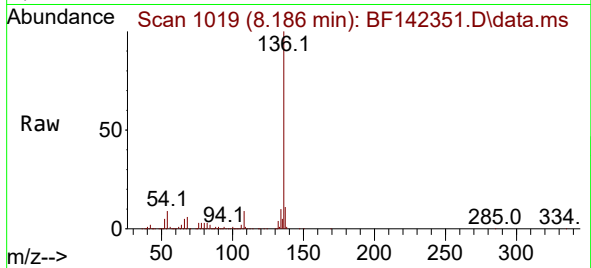




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142351.D
Acq: 13 May 2025 18:37

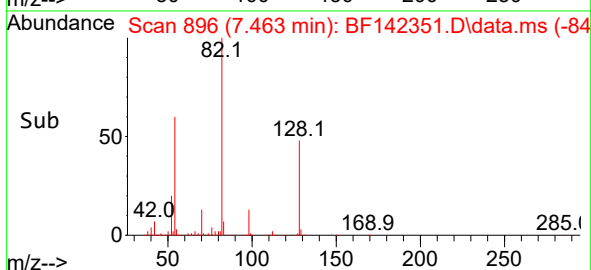
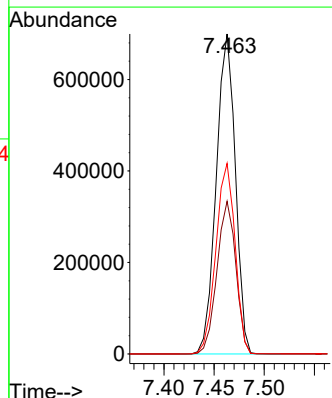
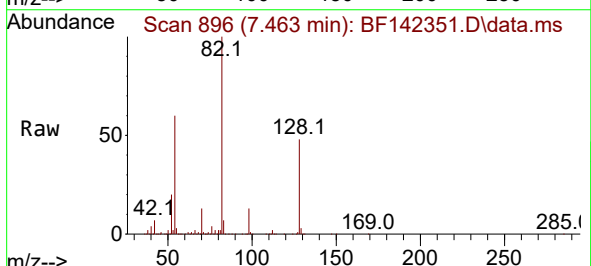
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BNA_F
ClientSampleId :
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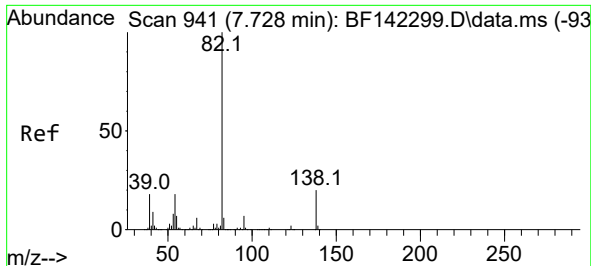
Tgt Ion:136 Resp: 874075
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 8.9 7.7 11.5
68 5.8 4.9 7.3



#23
Nitrobenzene-d5
Concen: 64.522 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF142351.D
Acq: 13 May 2025 18:37

Tgt Ion: 82 Resp: 924731
Ion Ratio Lower Upper
82 100
128 47.7 37.0 55.6
54 59.6 48.6 73.0

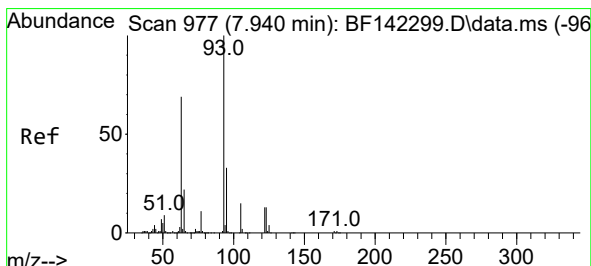
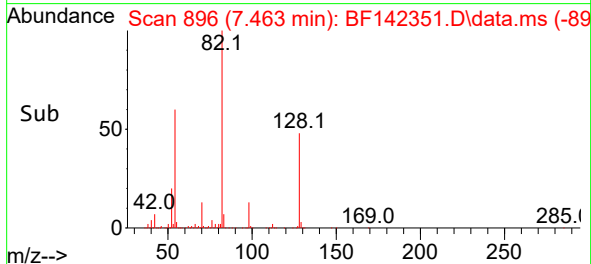
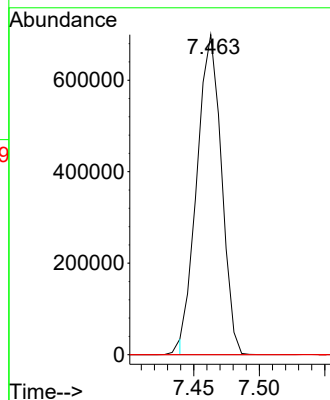
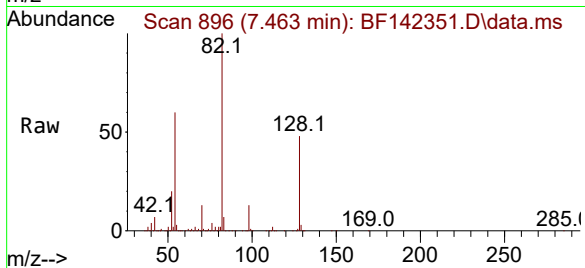




#25
Isophorone
Concen: 33.510 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF142351.D
Acq: 13 May 2025 18:37

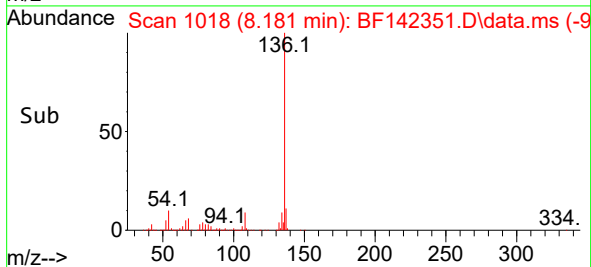
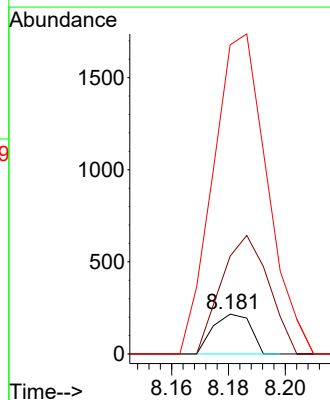
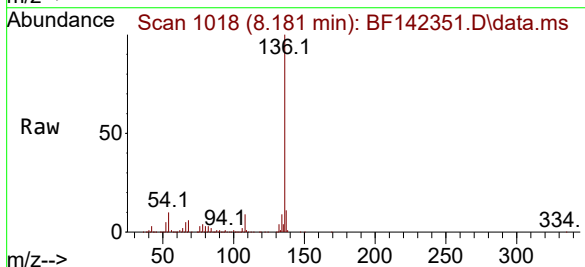
Instrument :
BNA_F
ClientSampleId :
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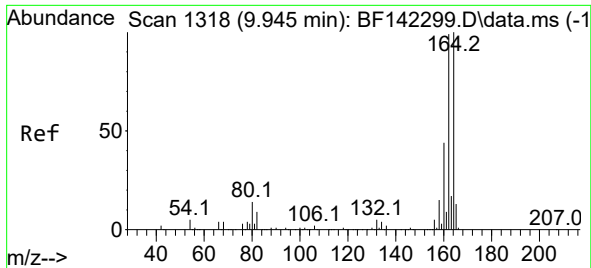
Tgt Ion: 82 Resp: 909460
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#32
Benzoic acid
Concen: 6.043 ng
RT: 8.181 min Scan# 1018
Delta R.T. 0.241 min
Lab File: BF142351.D
Acq: 13 May 2025 18:37

Tgt Ion:122 Resp: 199
Ion Ratio Lower Upper
122 100
105 245.8 97.9 137.9#
77 776.9 67.7 107.7#

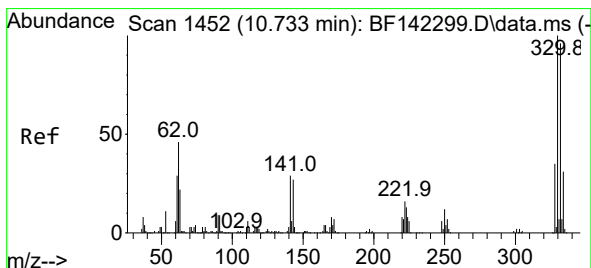
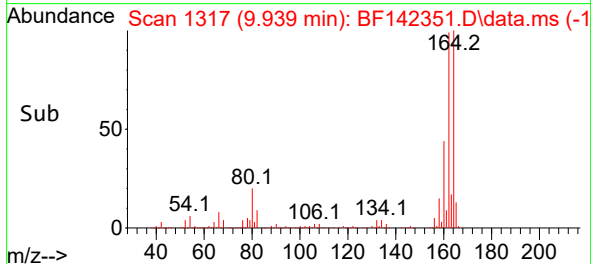
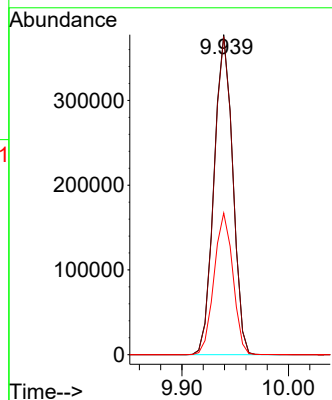
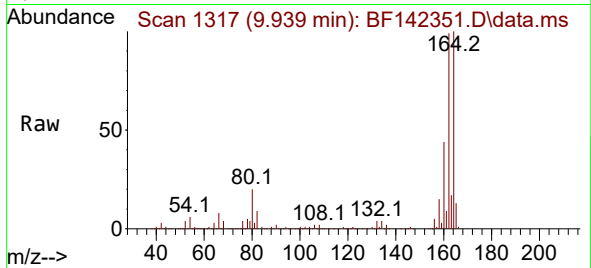




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142351.D
Acq: 13 May 2025 18:37

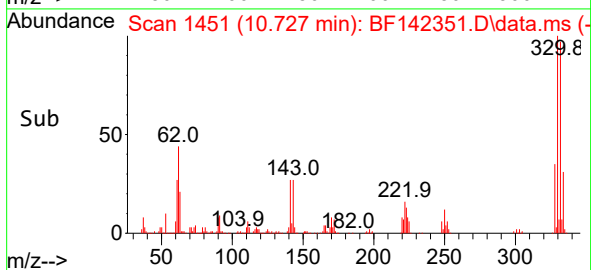
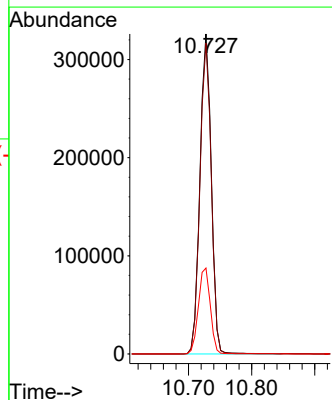
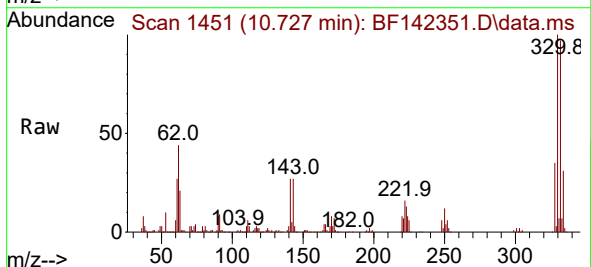
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ClientSampleId :
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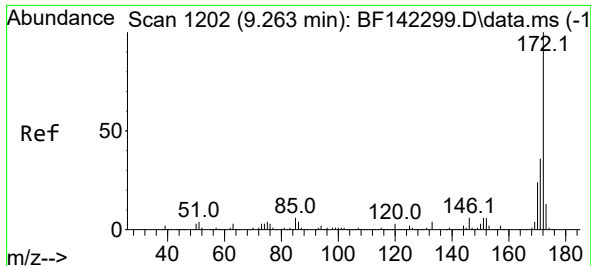
Tgt Ion:164 Resp: 459844
Ion Ratio Lower Upper
164 100
162 99.4 79.2 118.8
160 44.2 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 91.536 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142351.D
Acq: 13 May 2025 18:37

Tgt Ion:330 Resp: 406391
Ion Ratio Lower Upper
330 100
332 97.1 76.8 115.2
141 28.4 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 60.036 ng

RT: 9.257 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142351.D

Acq: 13 May 2025 18:37

Instrument :

BNA_F

ClientSampleId :

205510

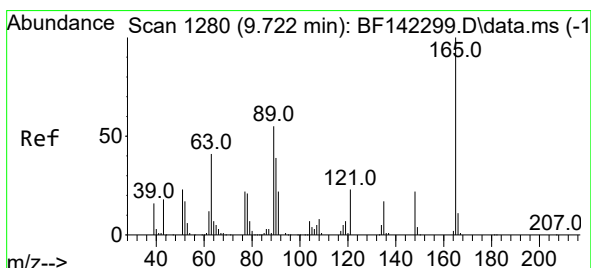
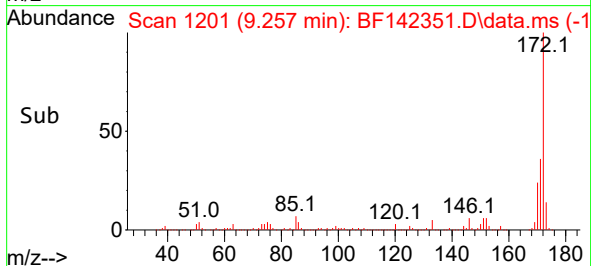
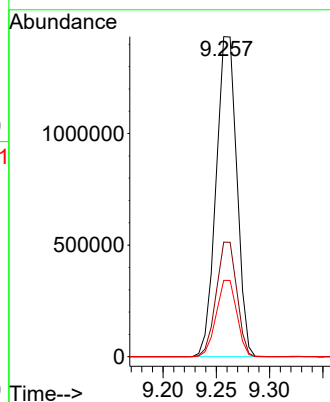
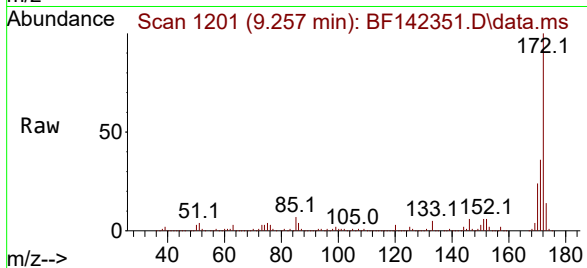
Tgt Ion:172 Resp: 1936155

Ion Ratio Lower Upper

172 100

171 35.8 28.6 42.8

170 23.9 19.0 28.4



#51

2,6-Dinitrotoluene

Concen: 10.746 ng

RT: 9.939 min Scan# 1317

Delta R.T. 0.217 min

Lab File: BF142351.D

Acq: 13 May 2025 18:37

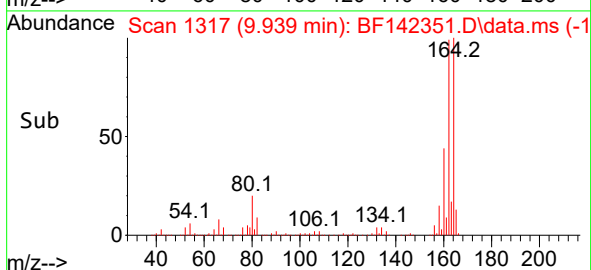
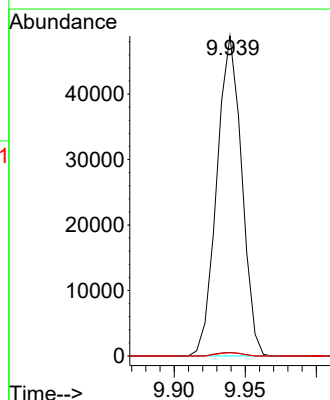
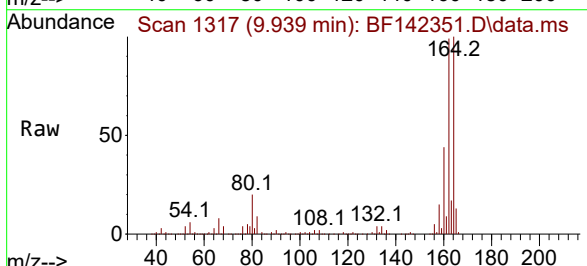
Tgt Ion:165 Resp: 59393

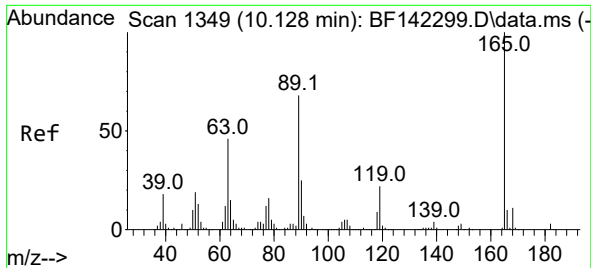
Ion Ratio Lower Upper

165 100

63 1.1 49.5 74.3#

89 1.0 44.6 66.8#

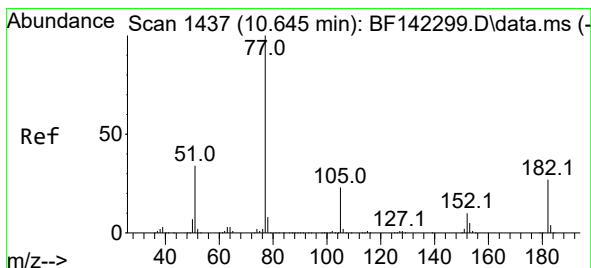
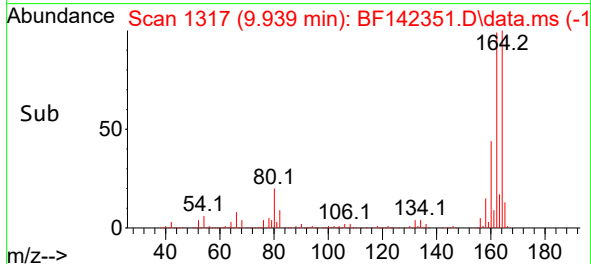
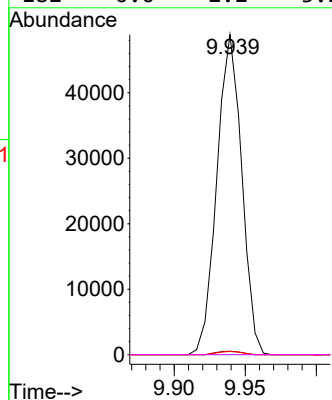
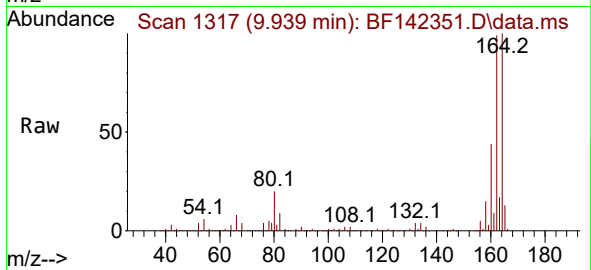




#57
2,4-Dinitrotoluene
Concen: 8.377 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF142351.D
Acq: 13 May 2025 18:37

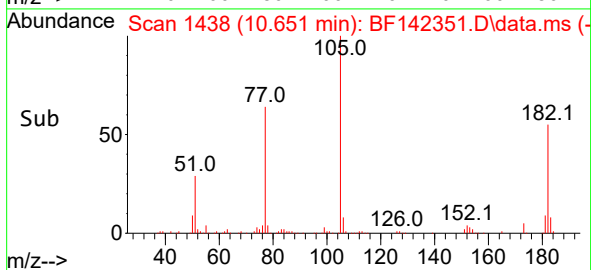
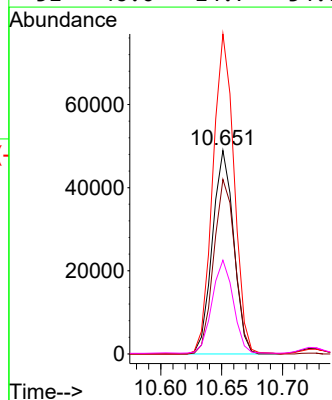
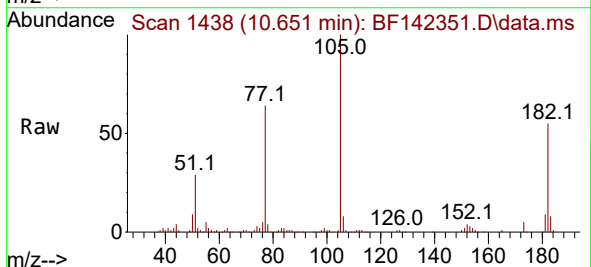
Instrument :
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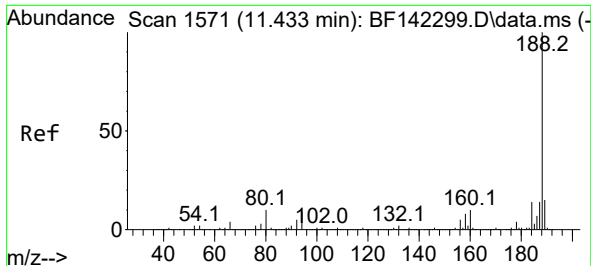
Tgt Ion:165 Resp: 59393
Ion Ratio Lower Upper
165 100
63 1.1 37.1 55.7#
89 1.0 54.4 81.6#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 2.124 ng
RT: 10.651 min Scan# 1438
Delta R.T. 0.006 min
Lab File: BF142351.D
Acq: 13 May 2025 18:37

Tgt Ion: 77 Resp: 59853
Ion Ratio Lower Upper
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182 85.8 6.9 46.9#
105 157.2 2.7 42.7#
51 46.0 14.7 54.7

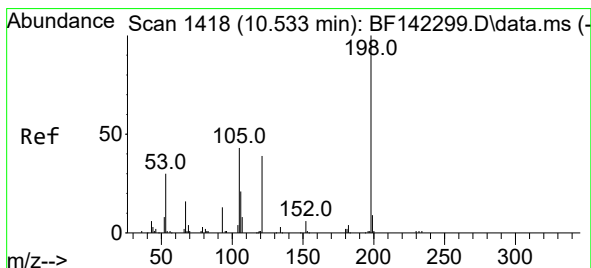
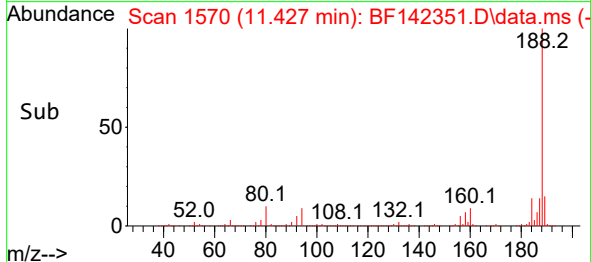
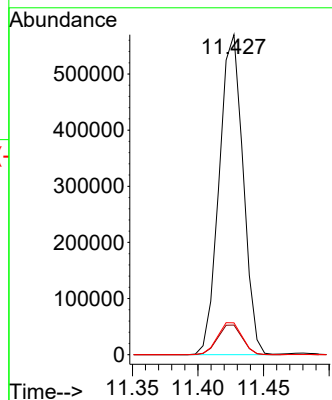
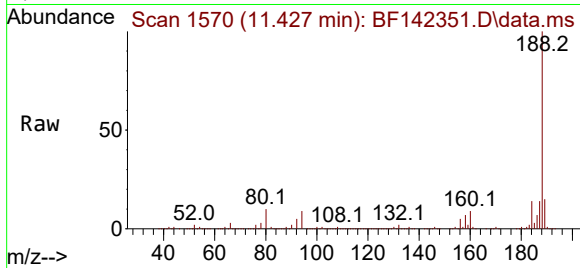




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142351.D
Acq: 13 May 2025 18:37

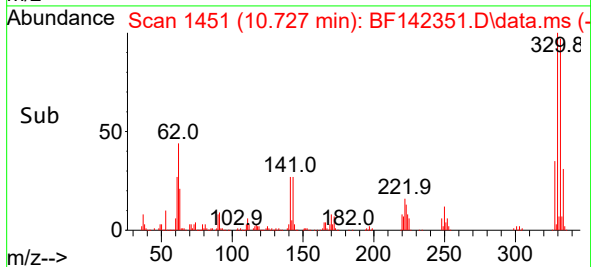
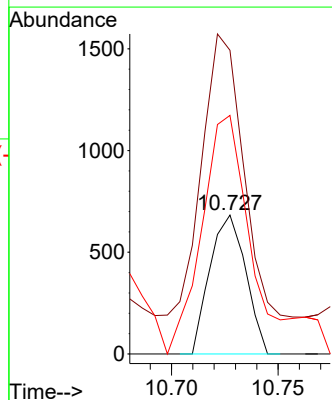
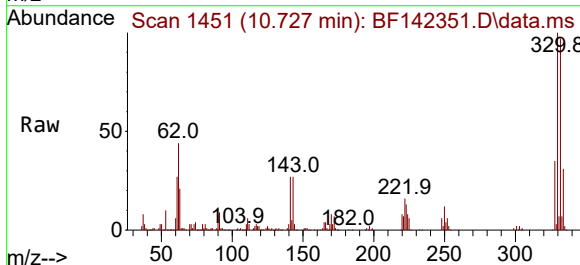
Instrument :
BNA_F
ClientSampleId :
205510

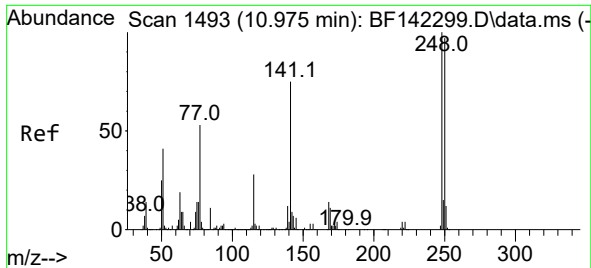
Tgt Ion:188 Resp: 723339
Ion Ratio Lower Upper
188 100
94 9.3 7.5 11.3
80 9.9 7.9 11.9



#65
4,6-Dinitro-2-methylphenol
Concen: 7.387 ng
RT: 10.727 min Scan# 1451
Delta R.T. 0.194 min
Lab File: BF142351.D
Acq: 13 May 2025 18:37

Tgt Ion:198 Resp: 799
Ion Ratio Lower Upper
198 100
51 218.6 32.9 72.9#
105 171.7 23.7 63.7#

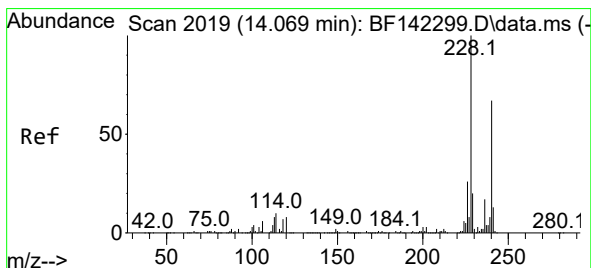
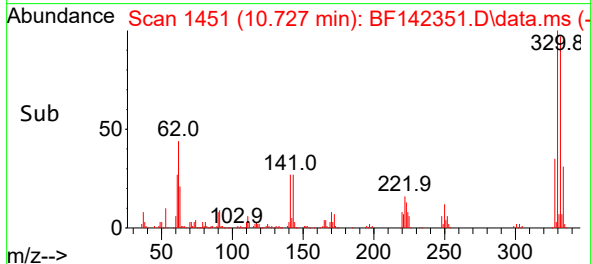
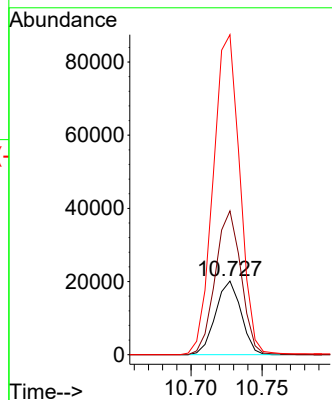
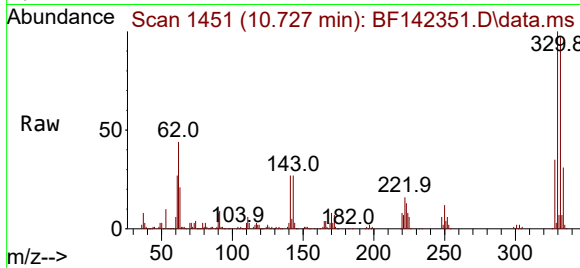




#67
4-Bromophenyl-phenylether
Concen: 3.072 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF142351.D
Acq: 13 May 2025 18:37

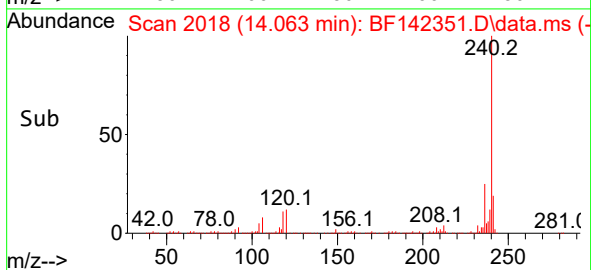
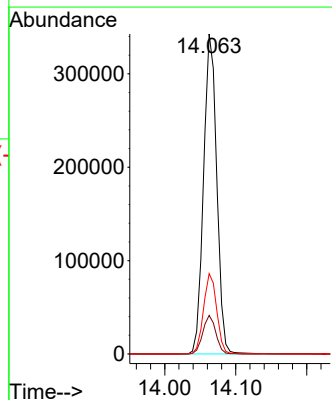
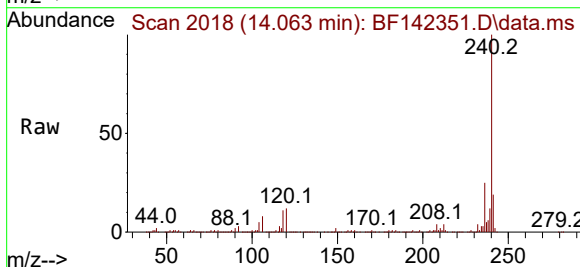
Instrument :
BNA_F
ClientSampleId :
205510

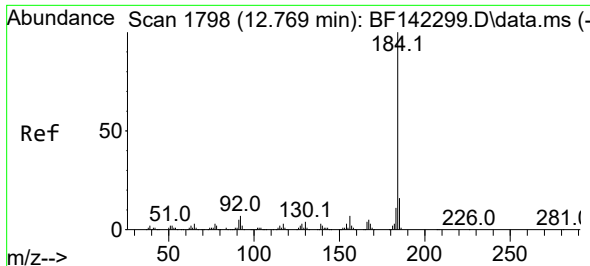
Tgt Ion:248 Resp: 25181
Ion Ratio Lower Upper
248 100
250 195.4 77.9 116.9#
141 434.6 59.8 89.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142351.D
Acq: 13 May 2025 18:37

Tgt Ion:240 Resp: 443337
Ion Ratio Lower Upper
240 100
120 12.1 9.7 14.5
236 25.1 20.0 30.0

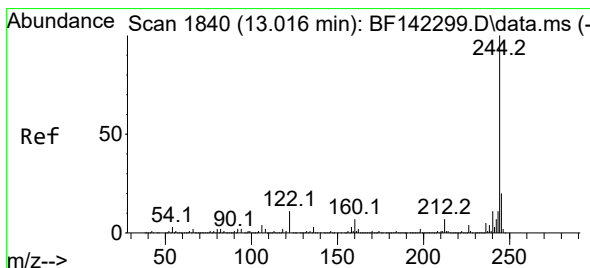
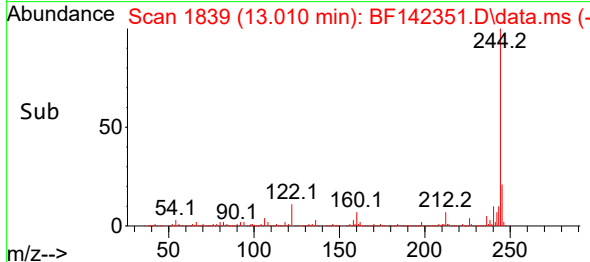
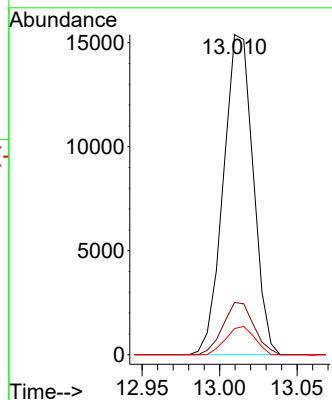
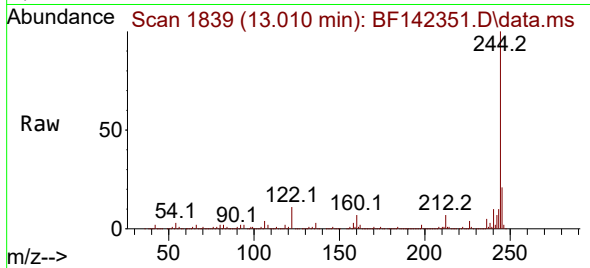




#77
Benzidine
Concen: 2.550 ng
RT: 13.010 min Scan# 1839
Delta R.T. 0.241 min
Lab File: BF142351.D
Acq: 13 May 2025 18:37

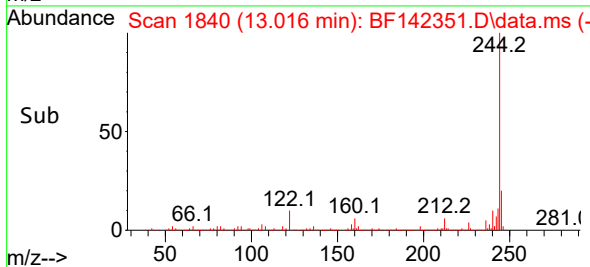
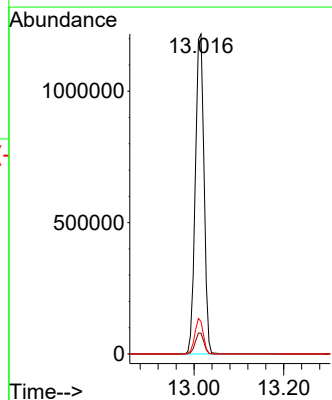
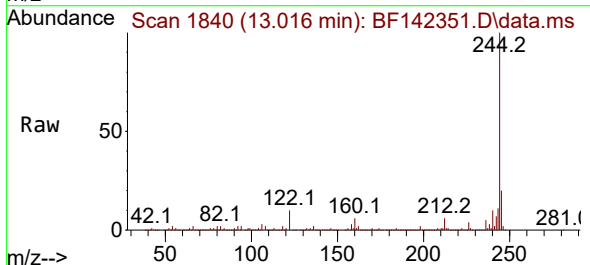
Instrument :
BNA_F
ClientSampleId :
205510

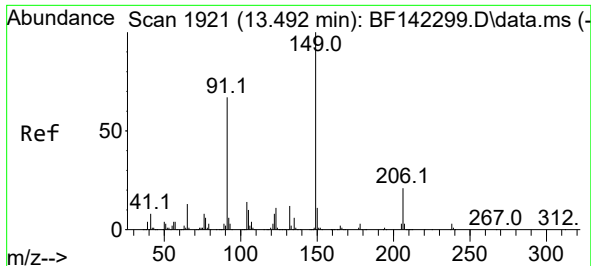
Tgt Ion:184 Resp: 20542
Ion Ratio Lower Upper
184 100
185 16.3 12.6 18.8
183 8.2 8.6 12.8#



#79
Terphenyl-d14
Concen: 54.592 ng
RT: 13.016 min Scan# 1840
Delta R.T. -0.000 min
Lab File: BF142351.D
Acq: 13 May 2025 18:37

Tgt Ion:244 Resp: 1635209
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.2
122 10.2 9.0 13.4

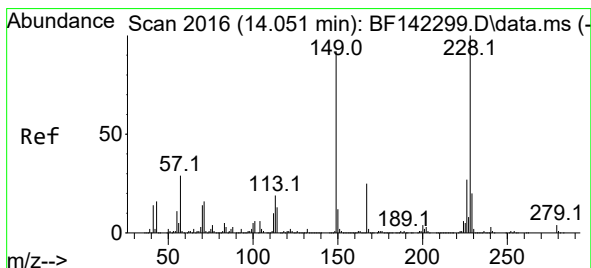
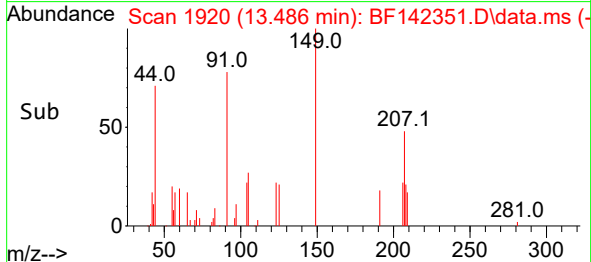
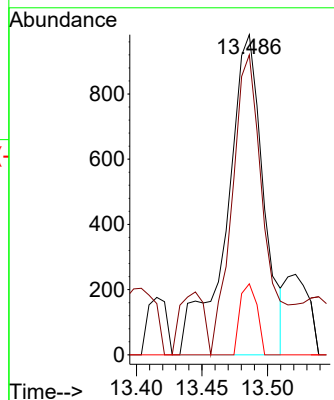
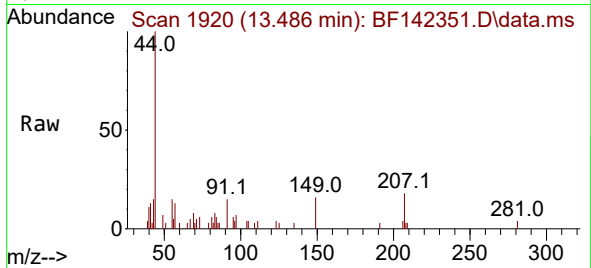




#80
 Butylbenzylphthalate
 Concen: 3.814 ng
 RT: 13.486 min Scan# 1921
 Delta R.T. -0.006 min
 Lab File: BF142351.D
 Acq: 13 May 2025 18:37

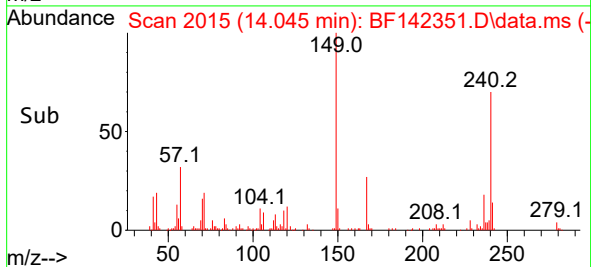
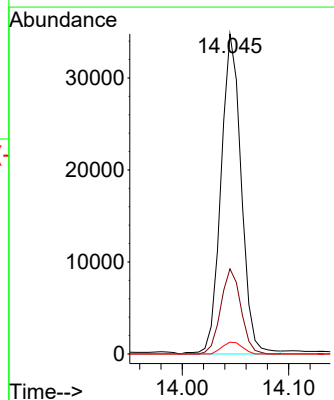
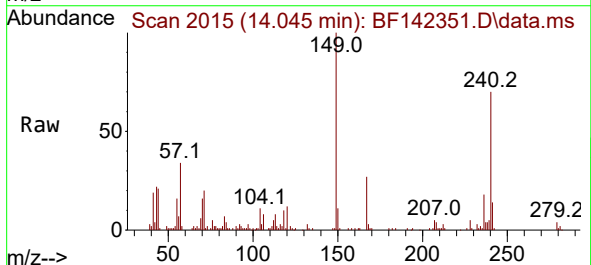
Instrument :
 BNA_F
 ClientSampleId :
 205510

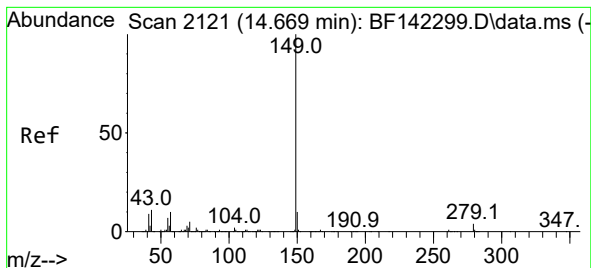
Tgt Ion:149 Resp: 1924
 Ion Ratio Lower Upper
 149 100
 91 93.7 53.8 80.6#
 206 22.2 16.6 24.8



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 7.022 ng
 RT: 14.045 min Scan# 2015
 Delta R.T. -0.006 min
 Lab File: BF142351.D
 Acq: 13 May 2025 18:37

Tgt Ion:149 Resp: 45818
 Ion Ratio Lower Upper
 149 100
 167 26.6 22.0 33.0
 279 3.7 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 7.865 ng

RT: 14.662 min Scan# 21

Delta R.T. -0.007 min

Lab File: BF142351.D

Acq: 13 May 2025 18:37

Instrument :

BNA_F

ClientSampleId :

205510

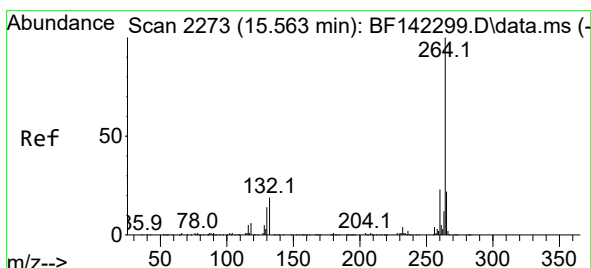
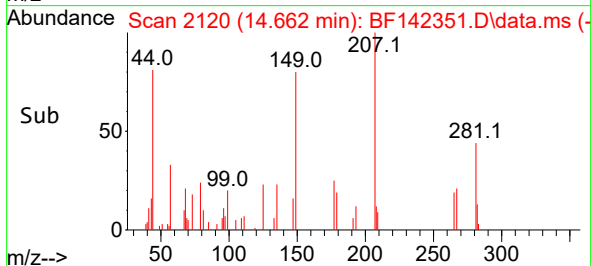
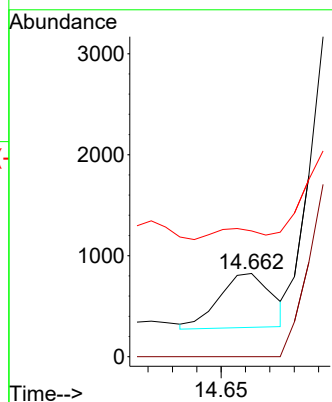
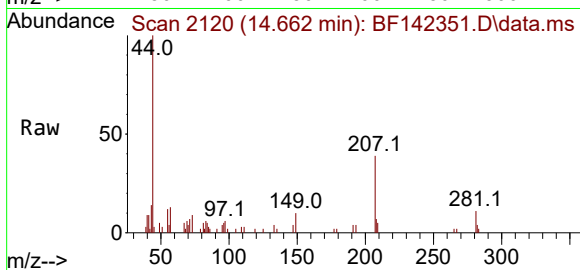
Tgt Ion:149 Resp: 806

Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

43 32.8 9.2 13.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF142351.D

Acq: 13 May 2025 18:37

Tgt Ion:264 Resp: 473204

Ion Ratio Lower Upper

264 100

260 23.3 18.6 27.8

265 22.1 17.5 26.3

