

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051225\
 Data File : BF142331.D
 Acq On : 12 May 2025 20:32
 Operator : RC/JU
 Sample : Q2004-08
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 205510

Quant Time: May 13 01:05:19 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)

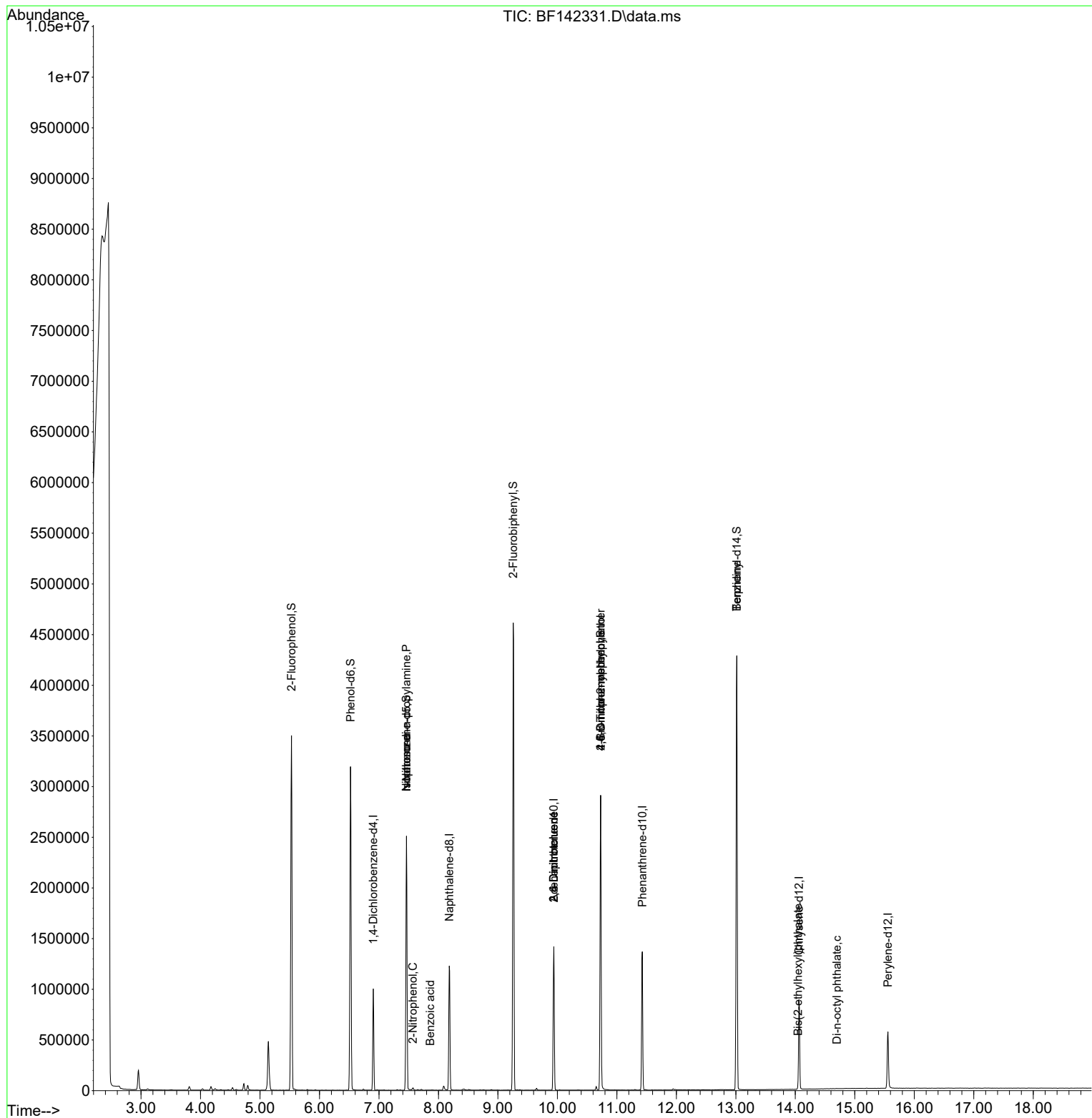
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	207177	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	790033	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	420228	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	706774	20.000	ng	0.00
76) Chrysene-d12	14.063	240	428421	20.000	ng	0.00
86) Perylene-d12	15.557	264	333799	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1378726	113.603	ng	0.02
7) Phenol-d6	6.522	99	1537150	102.979	ng	0.00
23) Nitrobenzene-d5	7.463	82	1050258	81.075	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	530489	130.752	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	2167536	73.547	ng	0.00
79) Terphenyl-d14	13.016	244	2135557	73.779	ng	0.00
Target Compounds					Qvalue	
19) n-Nitroso-di-n-propyla...	7.463	70	141676	15.344	ng	# 78
25) Isophorone	7.463	82	1047307	42.694	ng	# 62
26) 2-Nitrophenol	7.569	139	229	4.123	ng	# 36
32) Benzoic acid	7.863	122	435	6.082	ng	# 64
51) 2,6-Dinitrotoluene	9.939	165	54056	10.702	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	54056	8.343	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.728	198	974	7.436	ng	# 1
67) 4-Bromophenyl-phenylether	10.728	248	32052	4.001	ng	# 1
77) Benzidine	13.016	184	26198	3.365	ng	98
84) Bis(2-ethylhexyl)phtha...	14.045	149	9910	4.860	ng	98
85) Di-n-octyl phthalate	14.698	149	115	7.843	ng	# 1

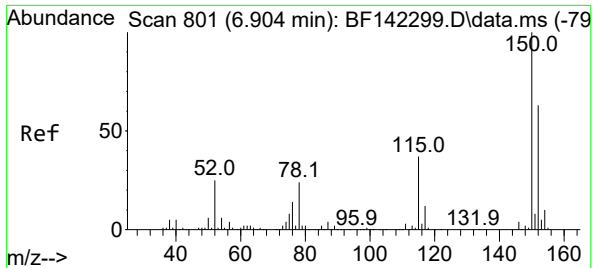
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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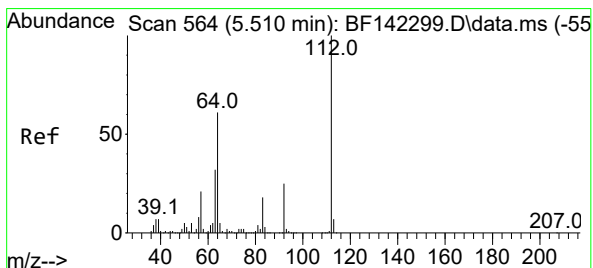
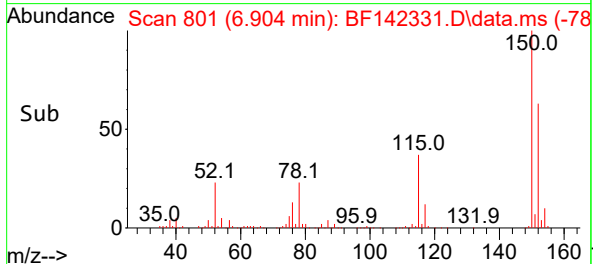
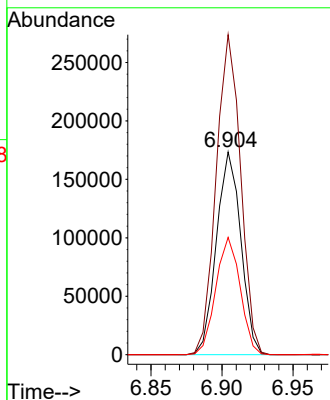
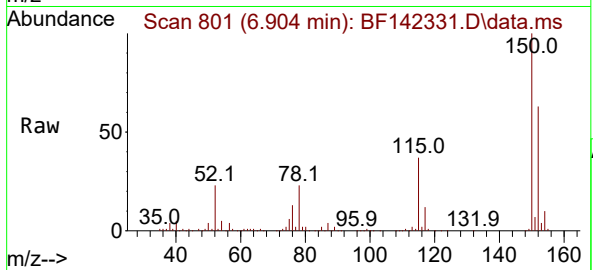




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142331.D
Acq: 12 May 2025 20:32

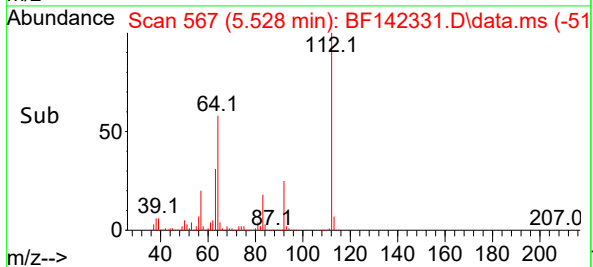
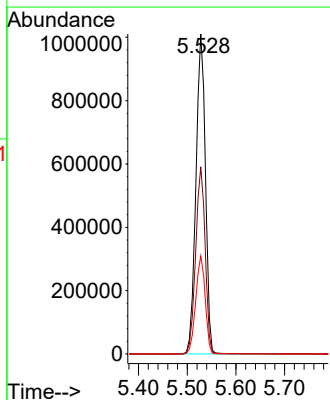
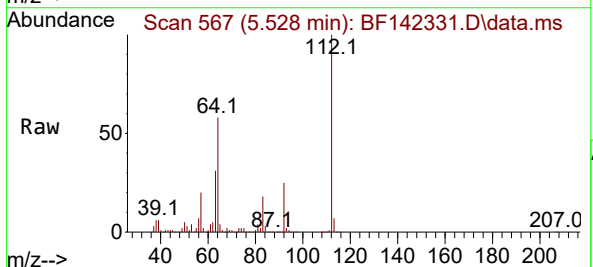
Instrument :
BNA_F
ClientSampleId :
205510

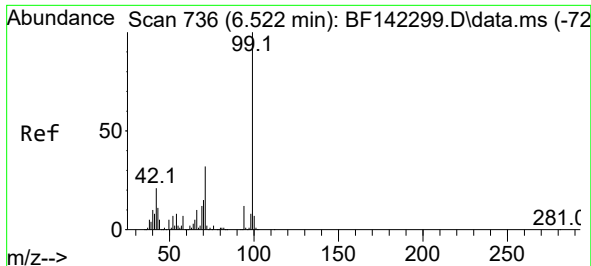
Tgt Ion:152 Resp: 207177
Ion Ratio Lower Upper
152 100
150 157.8 126.6 190.0
115 57.9 47.3 70.9



#5
2-Fluorophenol
Concen: 113.603 ng
RT: 5.528 min Scan# 567
Delta R.T. 0.018 min
Lab File: BF142331.D
Acq: 12 May 2025 20:32

Tgt Ion:112 Resp: 1378726
Ion Ratio Lower Upper
112 100
64 58.5 48.9 73.3
63 30.6 25.6 38.4

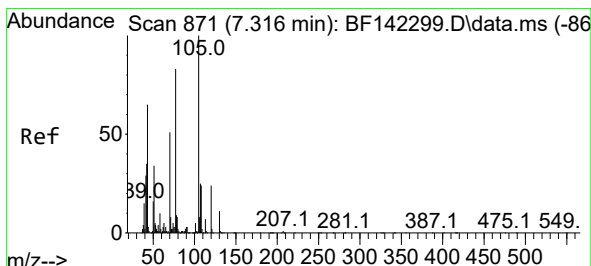
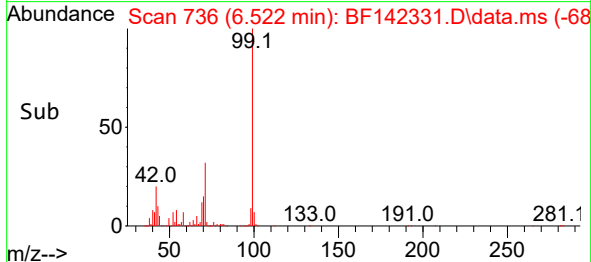
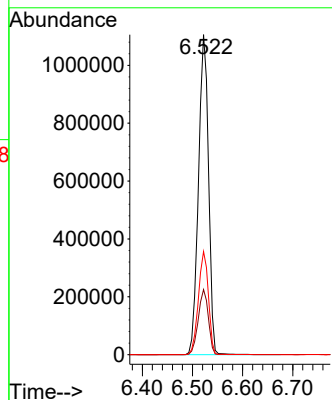
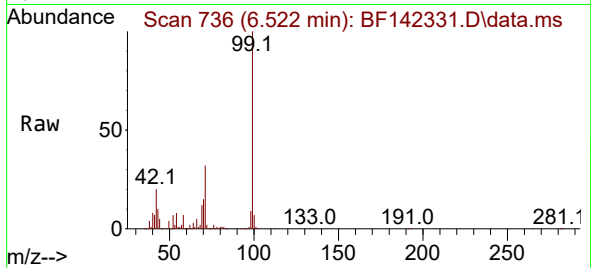




#7
Phenol-d6
Concen: 102.979 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF142331.D
Acq: 12 May 2025 20:32

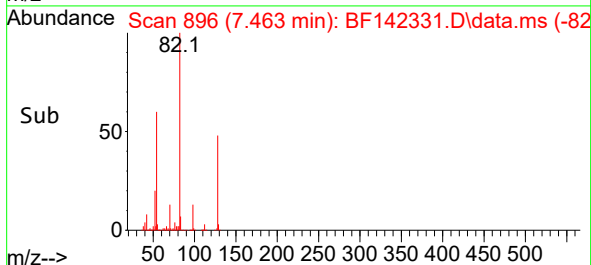
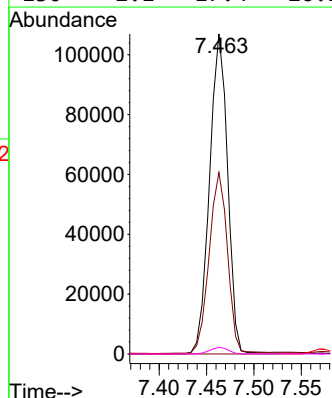
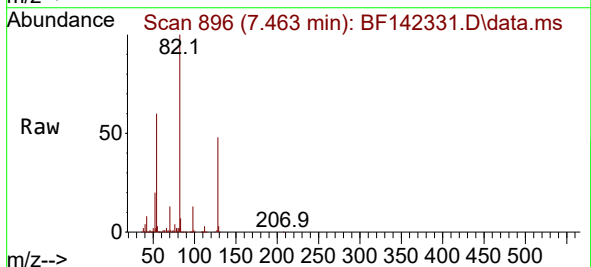
Instrument :
BNA_F
ClientSampleId :
205510

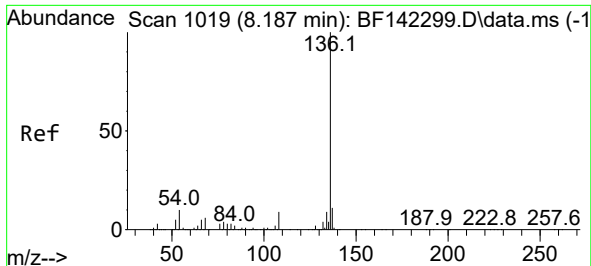
Tgt Ion: 99 Resp: 1537150
Ion Ratio Lower Upper
99 100
42 20.3 17.0 25.4
71 32.2 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.344 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.147 min
Lab File: BF142331.D
Acq: 12 May 2025 20:32

Tgt Ion: 70 Resp: 141676
Ion Ratio Lower Upper
70 100
42 56.7 54.8 82.2
101 0.0 7.7 11.5#
130 2.1 17.4 26.2#



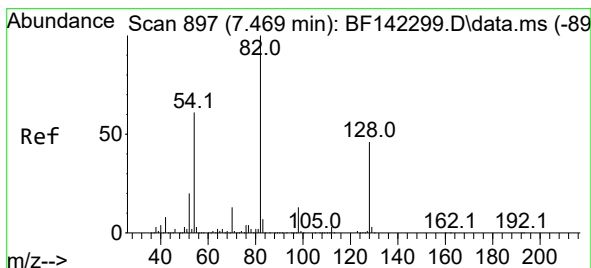
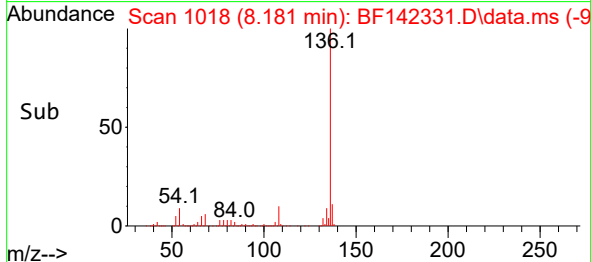
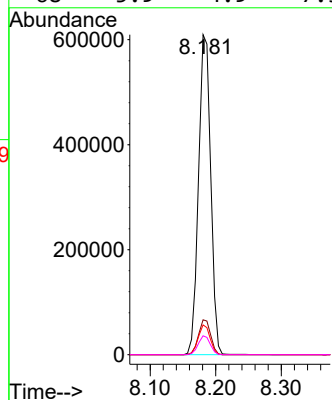
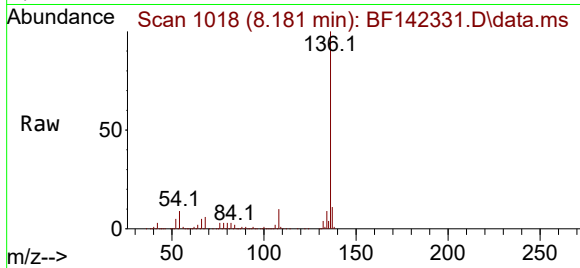


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142331.D
Acq: 12 May 2025 20:32

Instrument :
BNA_F
ClientSampleId :
205510

Tgt Ion:136 Resp: 790033

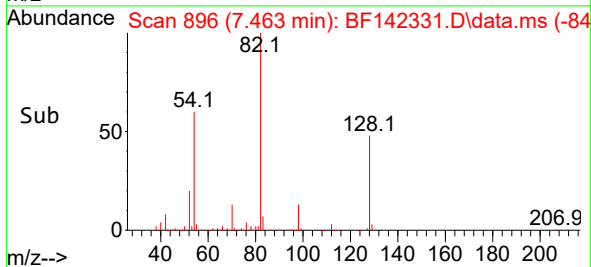
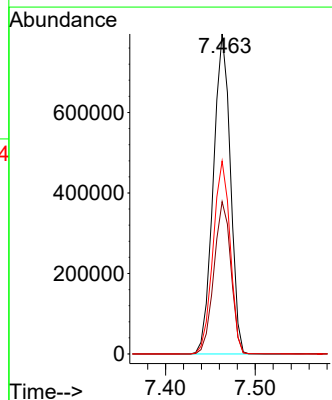
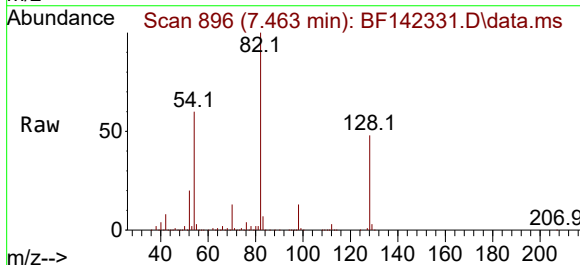
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.3	7.7	11.5
68	5.9	4.9	7.3

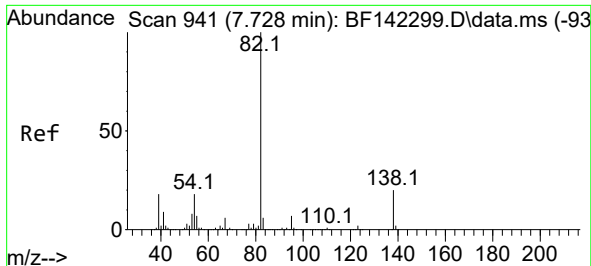


#23
Nitrobenzene-d5
Concen: 81.075 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF142331.D
Acq: 12 May 2025 20:32

Tgt Ion: 82 Resp: 1050258

Ion	Ratio	Lower	Upper
82	100		
128	47.6	37.0	55.6
54	60.3	48.6	73.0





#25

Isophorone

Concen: 42.694 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.265 min

Lab File: BF142331.D

Acq: 12 May 2025 20:32

Instrument :

BNA_F

ClientSampleId :

205510

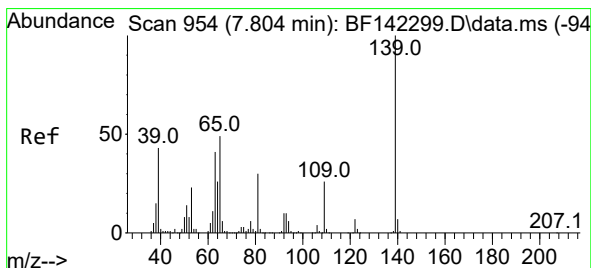
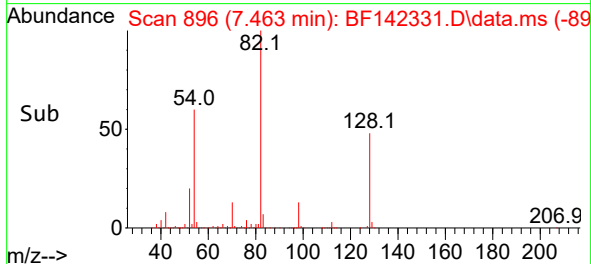
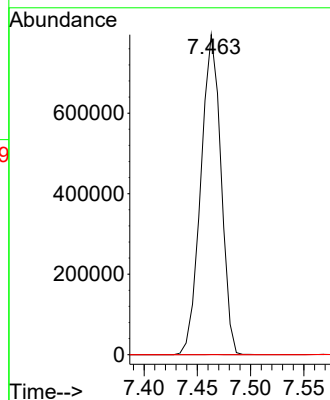
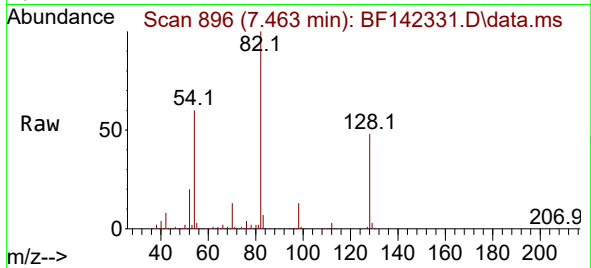
Tgt Ion: 82 Resp: 1047307

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 16.1 24.1#



#26

2-Nitrophenol

Concen: 4.123 ng

RT: 7.569 min Scan# 914

Delta R.T. -0.235 min

Lab File: BF142331.D

Acq: 12 May 2025 20:32

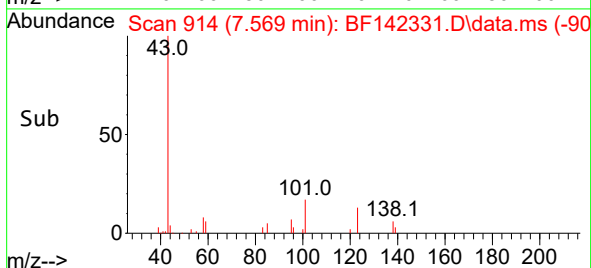
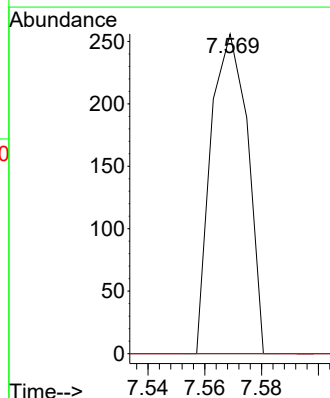
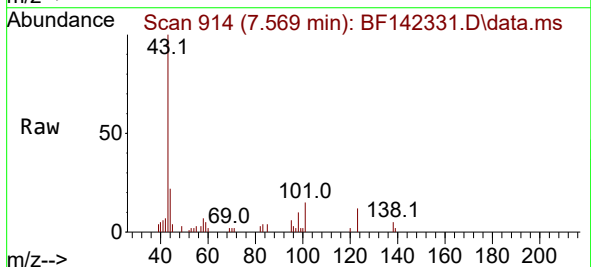
Tgt Ion:139 Resp: 229

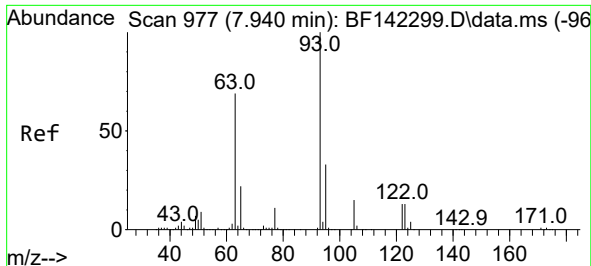
Ion Ratio Lower Upper

139 100

109 0.0 20.8 31.2#

65 0.0 38.9 58.3#

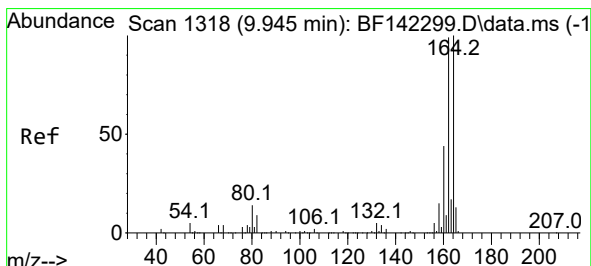
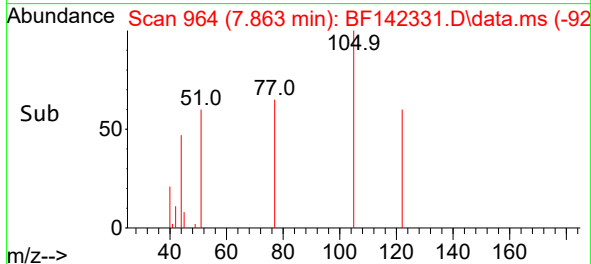
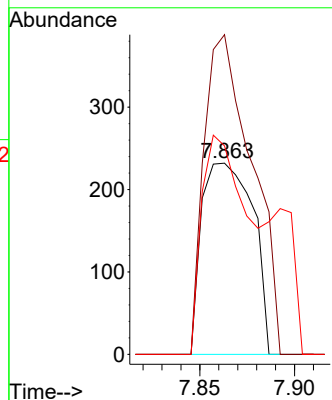
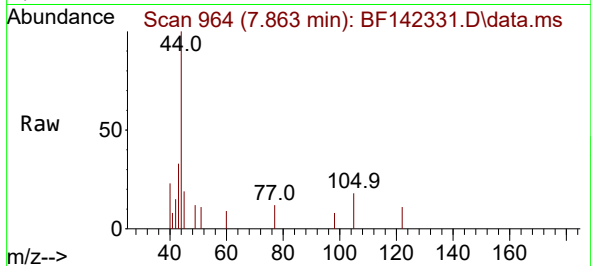




#32
Benzoic acid
Concen: 6.082 ng
RT: 7.863 min Scan# 90
Delta R.T. -0.077 min
Lab File: BF142331.D
Acq: 12 May 2025 20:32

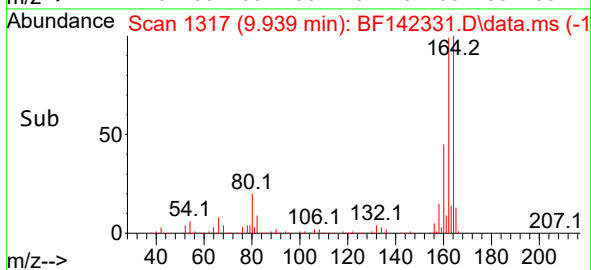
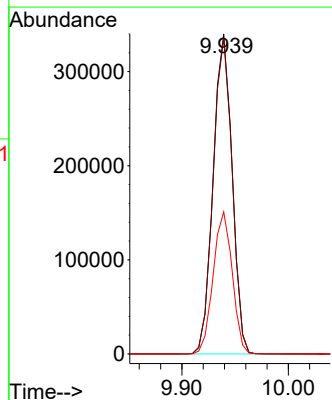
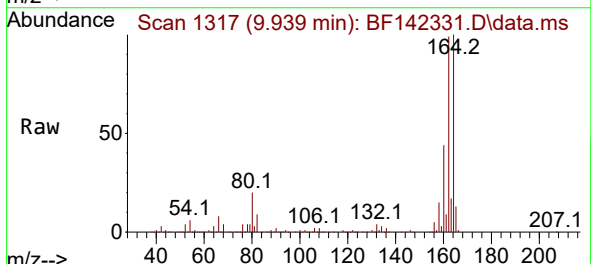
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205510

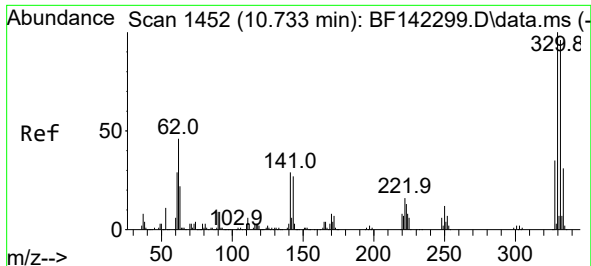
Tgt Ion:122 Resp: 435
Ion Ratio Lower Upper
122 100
105 167.2 97.9 137.9#
77 109.1 67.7 107.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142331.D
Acq: 12 May 2025 20:32

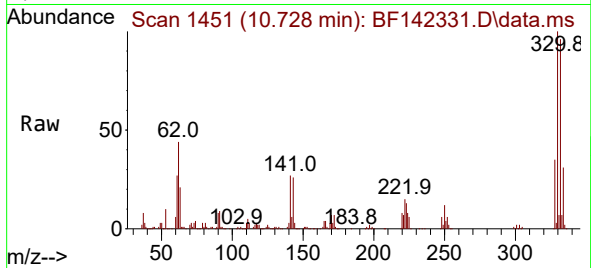
Tgt Ion:164 Resp: 420228
Ion Ratio Lower Upper
164 100
162 98.7 79.2 118.8
160 44.4 35.3 52.9



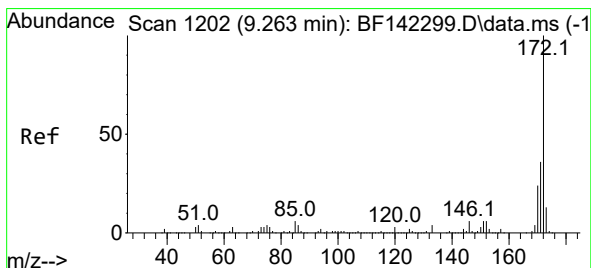
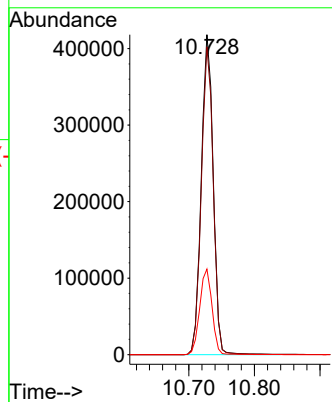
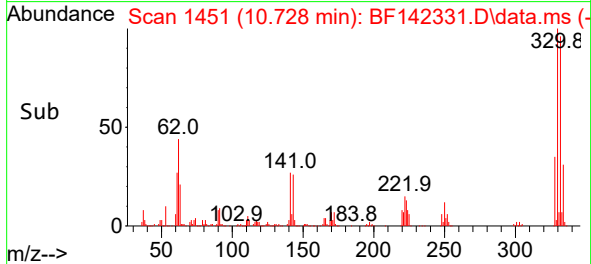


#42
2,4,6-Tribromophenol
Concen: 130.752 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142331.D
Acq: 12 May 2025 20:32

Instrument :
BNA_F
ClientSampleId :
205510

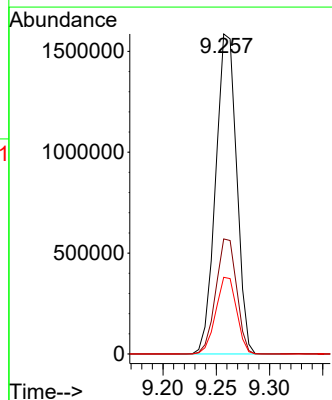
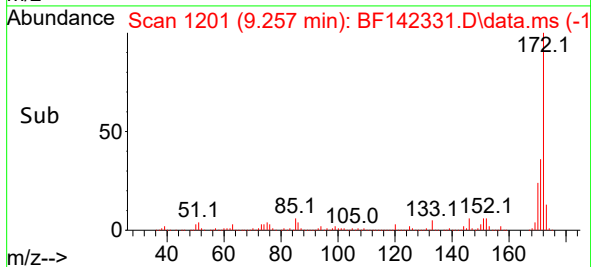
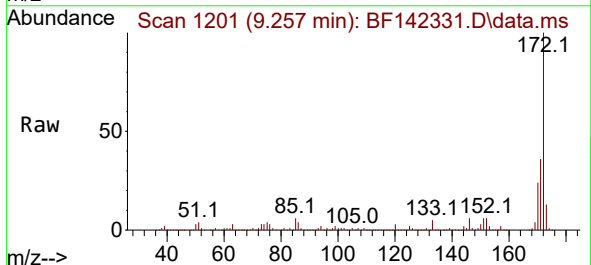


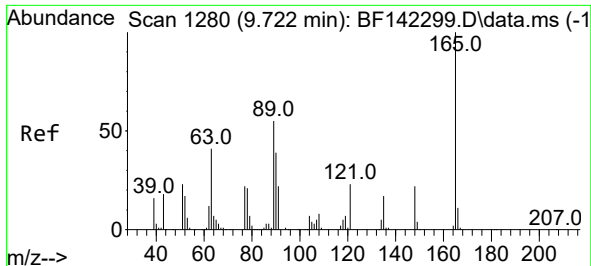
Tgt Ion:330 Resp: 530489
Ion Ratio Lower Upper
330 100
332 96.5 76.8 115.2
141 27.7 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 73.547 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142331.D
Acq: 12 May 2025 20:32

Tgt Ion:172 Resp: 2167536
Ion Ratio Lower Upper
172 100
171 35.9 28.6 42.8
170 24.0 19.0 28.4

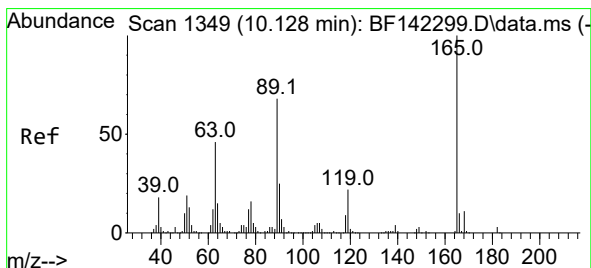
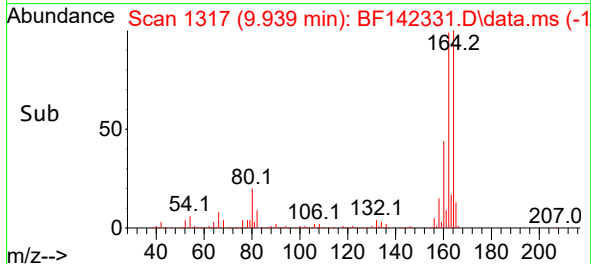
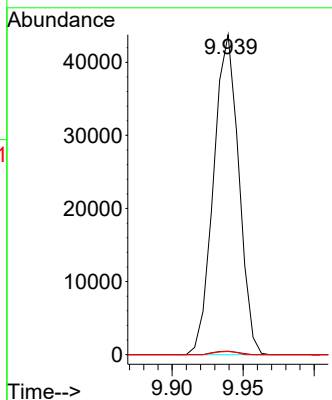
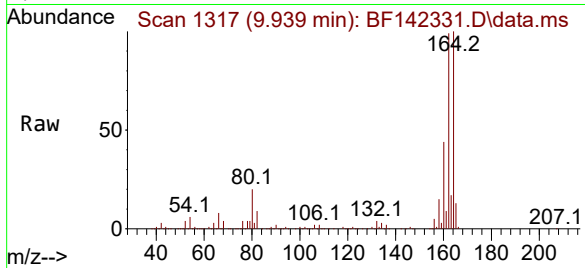




#51
2,6-Dinitrotoluene
Concen: 10.702 ng
RT: 9.939 min Scan# 1317
Delta R.T. 0.218 min
Lab File: BF142331.D
Acq: 12 May 2025 20:32

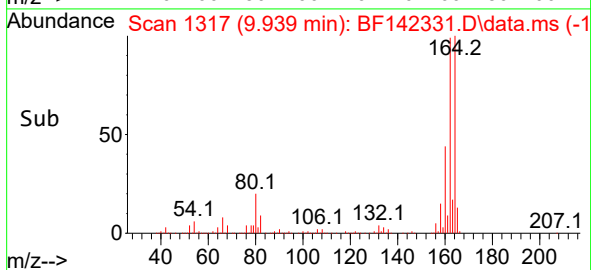
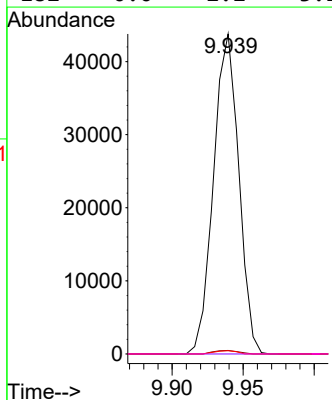
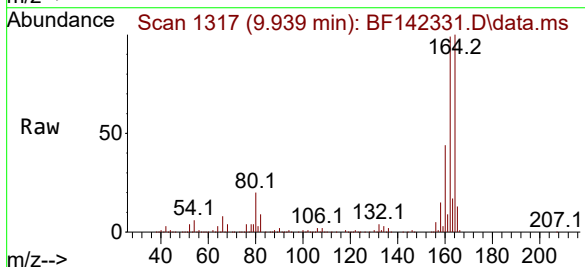
Instrument :
BNA_F
ClientSampleId :
205510

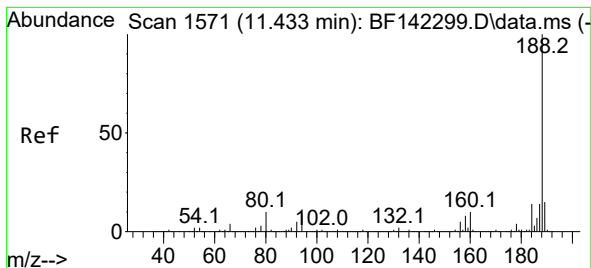
Tgt Ion:165 Resp: 54056
Ion Ratio Lower Upper
165 100
63 1.1 49.5 74.3#
89 1.0 44.6 66.8#



#57
2,4-Dinitrotoluene
Concen: 8.343 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.188 min
Lab File: BF142331.D
Acq: 12 May 2025 20:32

Tgt Ion:165 Resp: 54056
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#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.427 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142331.D

Acq: 12 May 2025 20:32

Instrument :

BNA_F

ClientSampleId :

205510

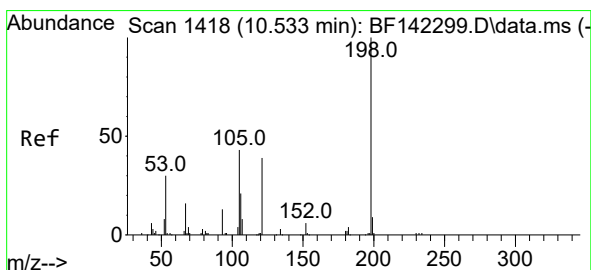
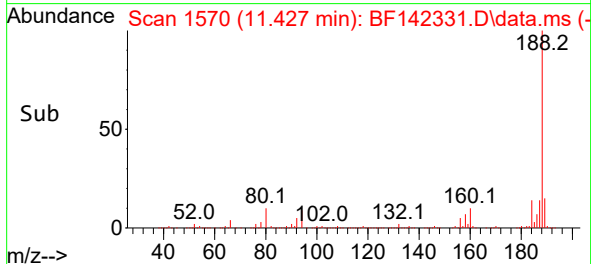
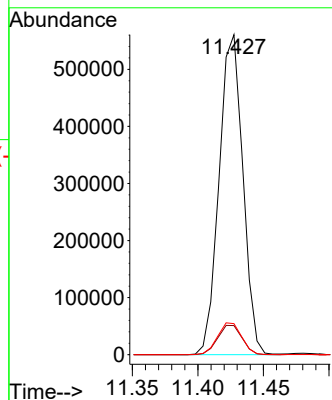
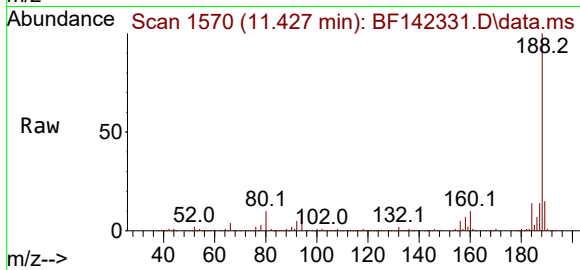
Tgt Ion:188 Resp: 706774

Ion Ratio Lower Upper

188 100

94 9.1 7.5 11.3

80 9.7 7.9 11.9



#65

4,6-Dinitro-2-methylphenol

Concen: 7.436 ng

RT: 10.728 min Scan# 1451

Delta R.T. 0.195 min

Lab File: BF142331.D

Acq: 12 May 2025 20:32

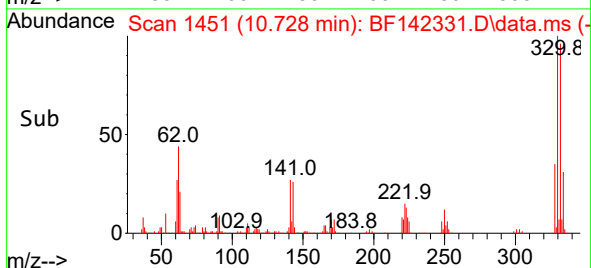
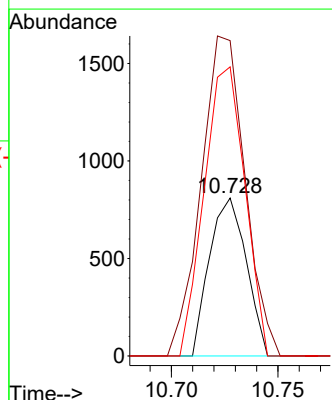
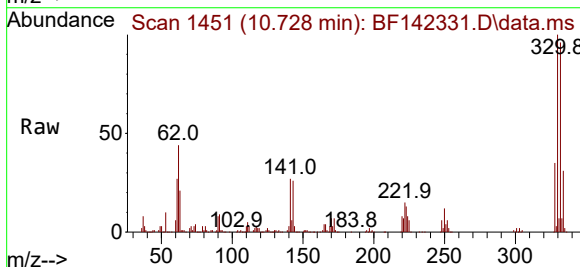
Tgt Ion:198 Resp: 974

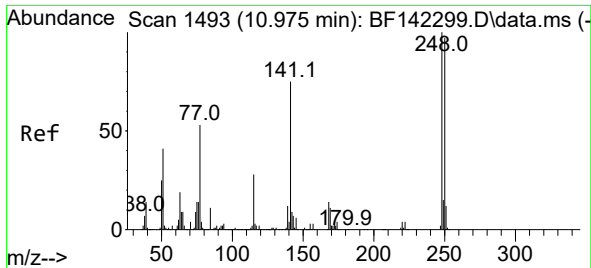
Ion Ratio Lower Upper

198 100

51 199.6 32.9 72.9#

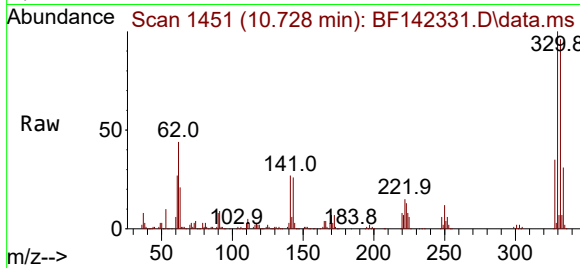
105 183.1 23.7 63.7#



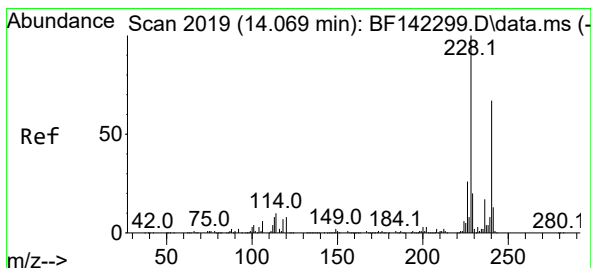
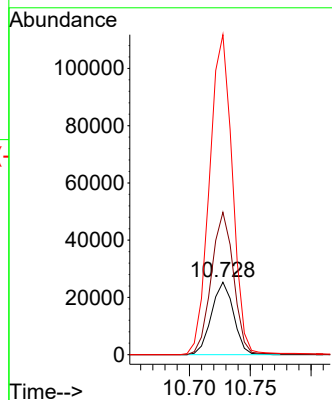
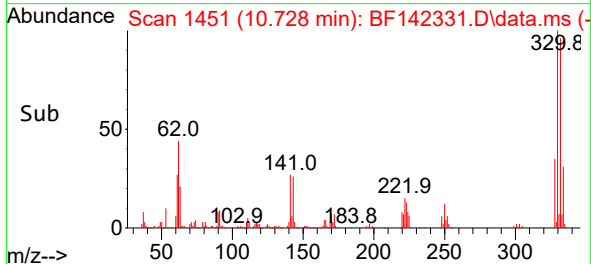


#67
4-Bromophenyl-phenylether
Concen: 4.001 ng
RT: 10.728 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF142331.D
Acq: 12 May 2025 20:32

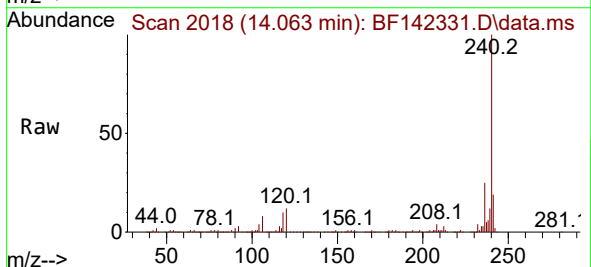
Instrument :
BNA_F
ClientSampleId :
205510



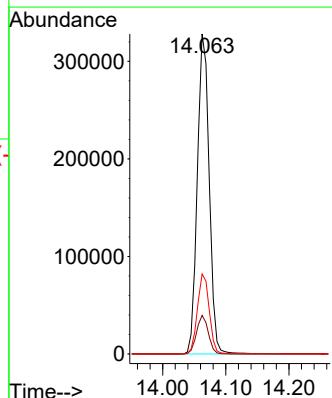
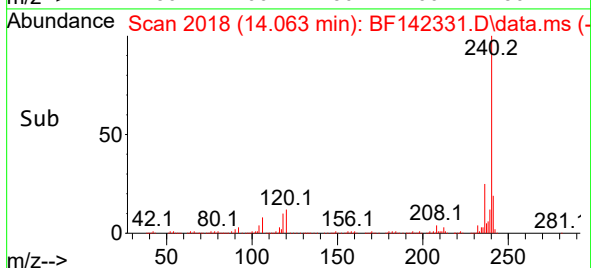
Tgt Ion:248 Resp: 32052
Ion Ratio Lower Upper
248 100
250 196.3 77.9 116.9#
141 441.1 59.8 89.8#

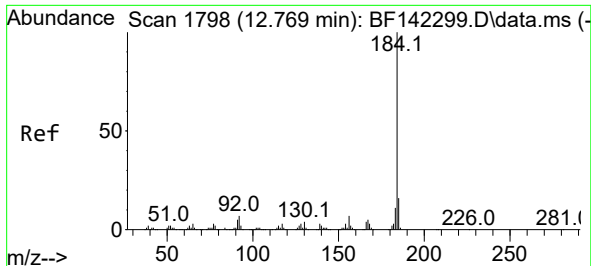


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142331.D
Acq: 12 May 2025 20:32



Tgt Ion:240 Resp: 428421
Ion Ratio Lower Upper
240 100
120 12.1 9.7 14.5
236 25.0 20.0 30.0

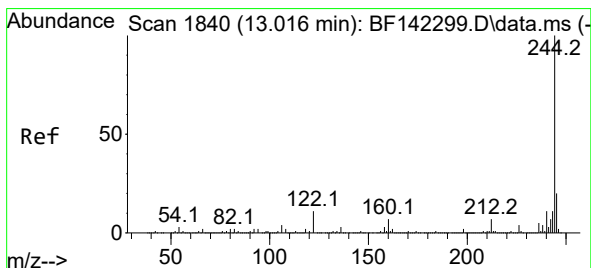
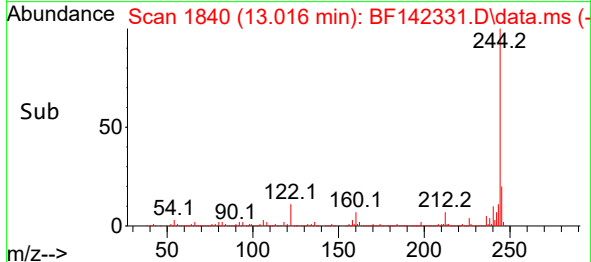
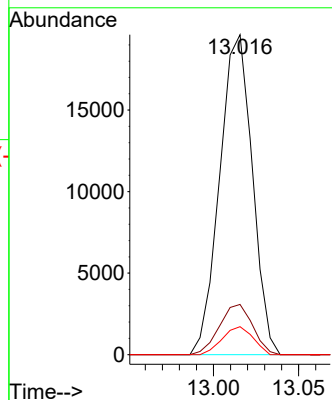
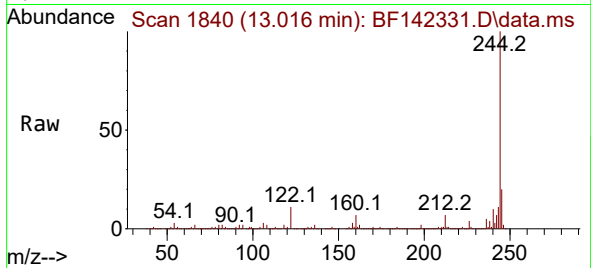




#77
Benzidine
Concen: 3.365 ng
RT: 13.016 min Scan# 1840
Delta R.T. 0.247 min
Lab File: BF142331.D
Acq: 12 May 2025 20:32

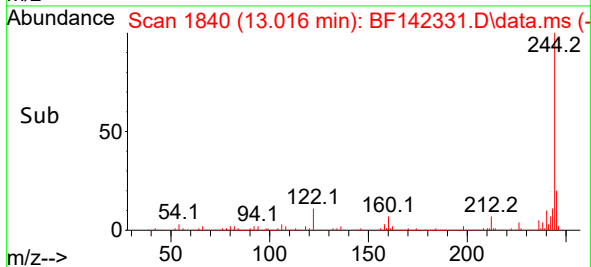
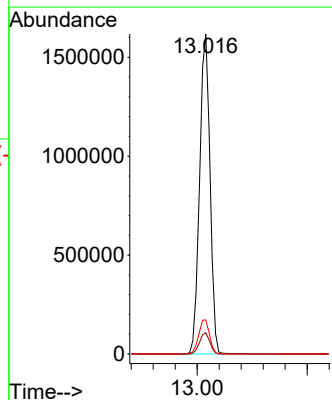
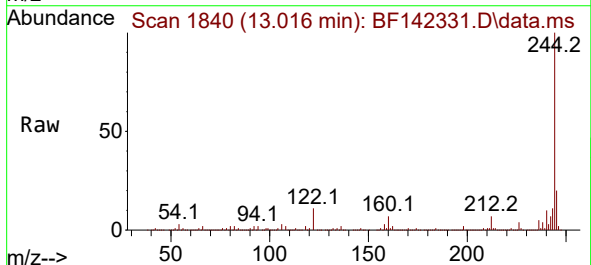
Instrument :
BNA_F
ClientSampleId :
205510

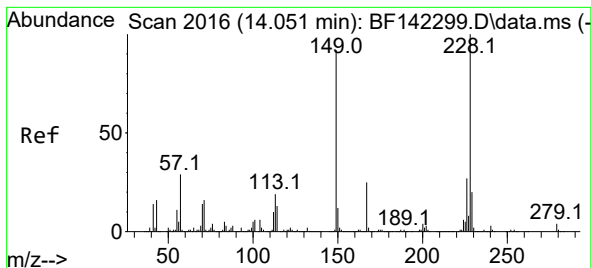
Tgt Ion:184 Resp: 26198
Ion Ratio Lower Upper
184 100
185 15.7 12.6 18.8
183 8.7 8.6 12.8



#79
Terphenyl-d14
Concen: 73.779 ng
RT: 13.016 min Scan# 1840
Delta R.T. -0.000 min
Lab File: BF142331.D
Acq: 12 May 2025 20:32

Tgt Ion:244 Resp: 2135557
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.2
122 10.7 9.0 13.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.860 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF142331.D

Acq: 12 May 2025 20:32

Instrument :

BNA_F

ClientSampleId :

205510

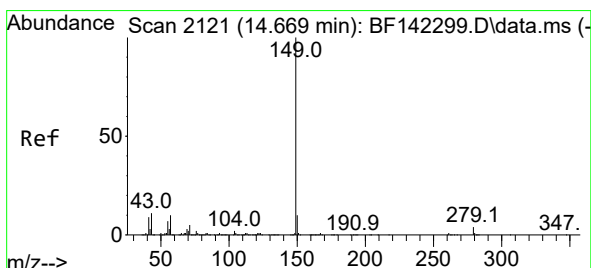
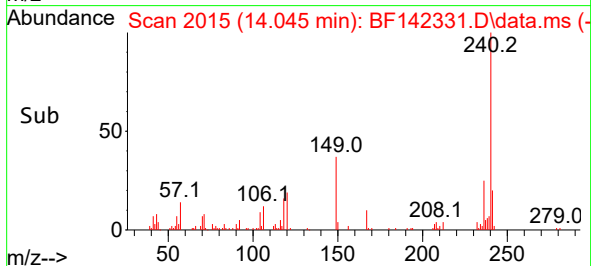
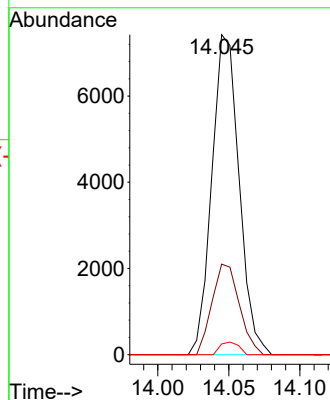
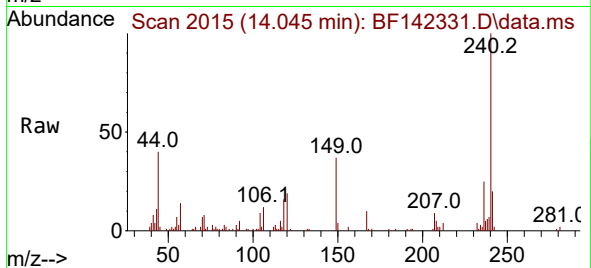
Tgt Ion:149 Resp: 9910

Ion Ratio Lower Upper

149 100

167 28.3 22.0 33.0

279 3.4 3.0 4.6



#85

Di-n-octyl phthalate

Concen: 7.843 ng

RT: 14.698 min Scan# 2126

Delta R.T. 0.029 min

Lab File: BF142331.D

Acq: 12 May 2025 20:32

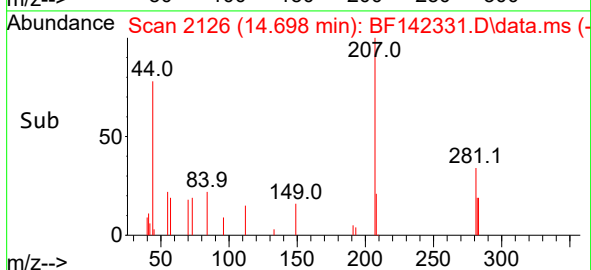
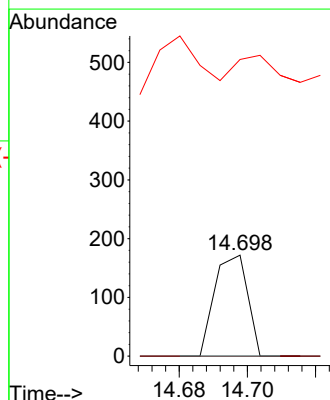
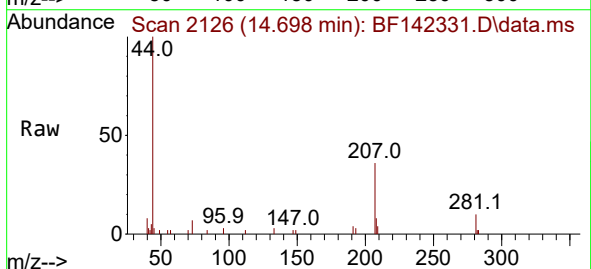
Tgt Ion:149 Resp: 115

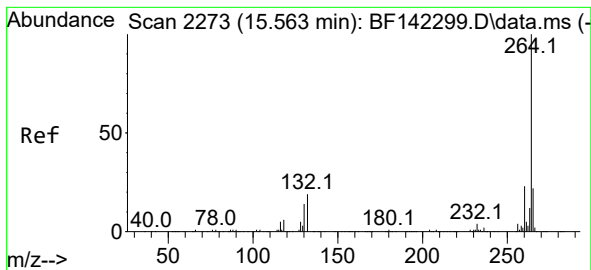
Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

43 144.3 9.2 13.8#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF142331.D
 Acq: 12 May 2025 20:32

Instrument :
 BNA_F
 ClientSampleId :
 205510

Tgt Ion:264 Resp: 333799
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.6 27.8
 265 21.3 17.5 26.3

