

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051925\
 Data File : BF142452.D
 Acq On : 19 May 2025 15:33
 Operator : RC/JU
 Sample : Q2057-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 19 15:53:02 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)

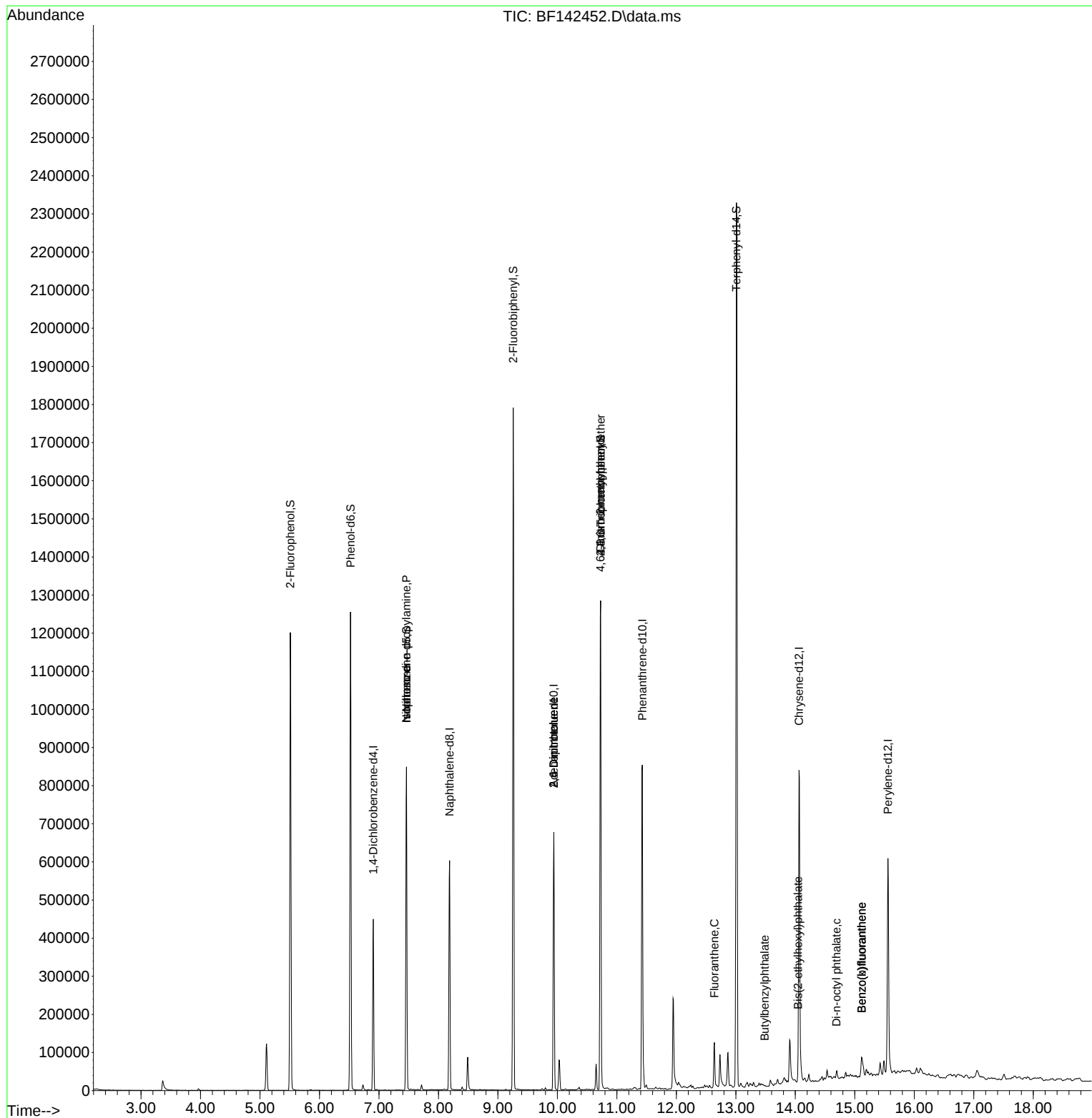
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	94777	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	380390	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	199778	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	454883	20.000	ng	0.00
76) Chrysene-d12	14.063	240	392802	20.000	ng	0.00
86) Perylene-d12	15.557	264	333865	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	460874	83.010	ng	0.00
7) Phenol-d6	6.522	99	572425	83.828	ng	0.00
23) Nitrobenzene-d5	7.463	82	342914	54.979	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	239500	124.169	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	779292	55.620	ng	0.00
79) Terphenyl-d14	13.010	244	1171087	44.127	ng	0.00
Target Compounds					Qvalue	
19) n-Nitroso-di-n-propyla...	7.463	70	46131	10.921	ng	# 76
25) Isophorone	7.463	82	338401	28.651	ng	# 62
51) 2,6-Dinitrotoluene	9.939	165	26034	10.842	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	26034	8.452	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.722	198	406	7.348	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	14278	2.770	ng	# 1
75) Fluoranthene	12.639	202	63865	2.679	ng	98
80) Butylbenzylphthalate	13.486	149	380	3.694	ng	# 44
84) Bis(2-ethylhexyl)phtha...	14.045	149	1614	4.348	ng	# 98
85) Di-n-octyl phthalate	14.692	149	3166	7.950	ng	# 46
88) Benzo(b)fluoranthene	15.115	252	41384	2.047	ng	94
89) Benzo(k)fluoranthene	15.115	252	41384	2.236	ng	# 93

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

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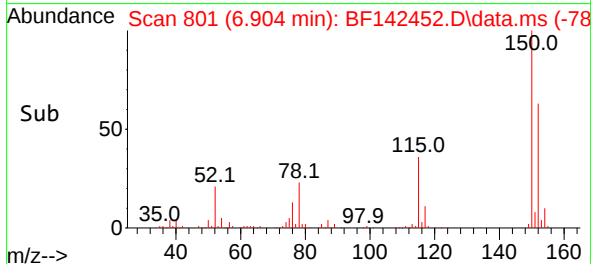
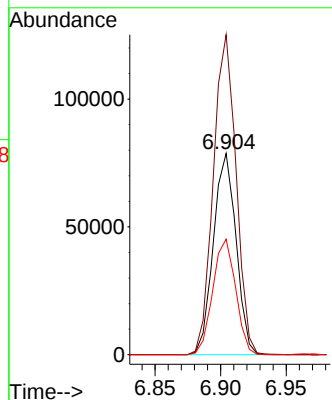
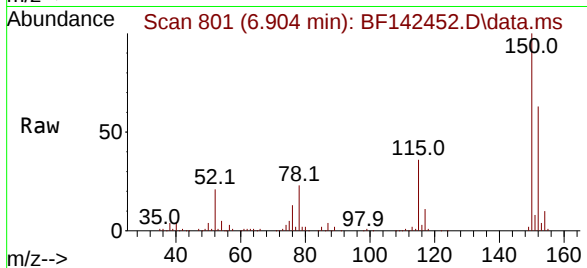




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: BF142452.D
 Acq: 19 May 2025 15:33

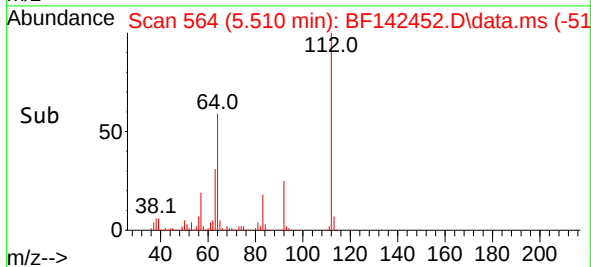
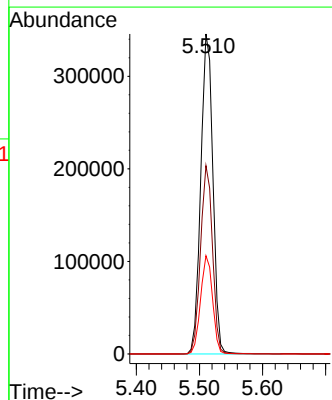
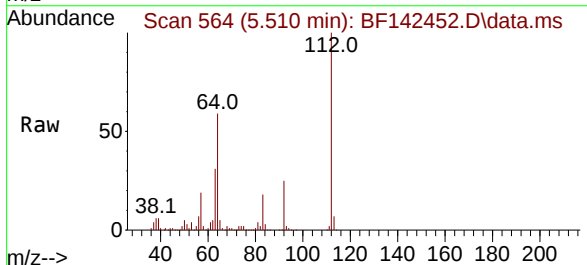
Instrument :
 BNA_F
 ClientSampleId :

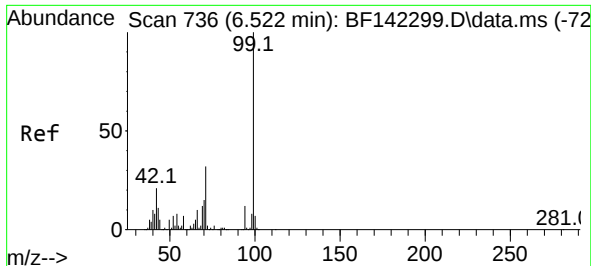
Tgt Ion:152 Resp: 94777
 Ion Ratio Lower Upper
 152 100
 150 159.0 126.6 190.0
 115 57.4 47.3 70.9



#5
 2-Fluorophenol
 Concen: 83.010 ng
 RT: 5.510 min Scan# 564
 Delta R.T. -0.000 min
 Lab File: BF142452.D
 Acq: 19 May 2025 15:33

Tgt Ion:112 Resp: 460874
 Ion Ratio Lower Upper
 112 100
 64 58.8 48.9 73.3
 63 30.7 25.6 38.4

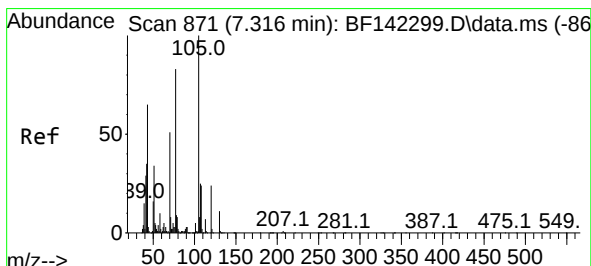
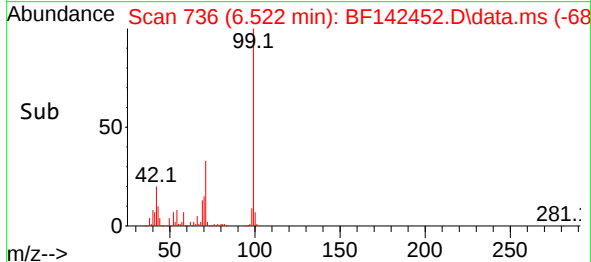
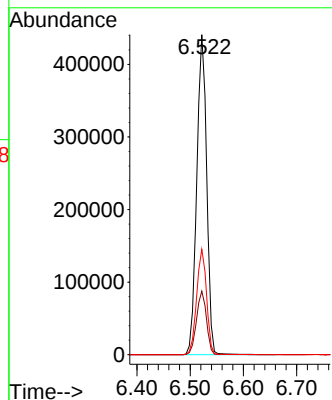
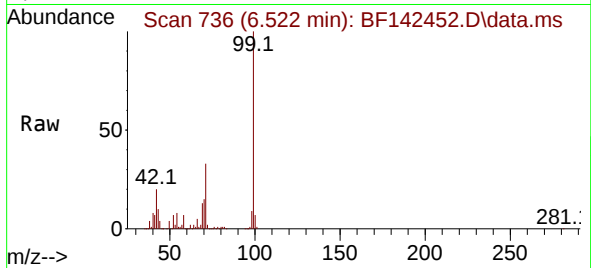




#7
Phenol-d6
Concen: 83.828 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF142452.D
Acq: 19 May 2025 15:33

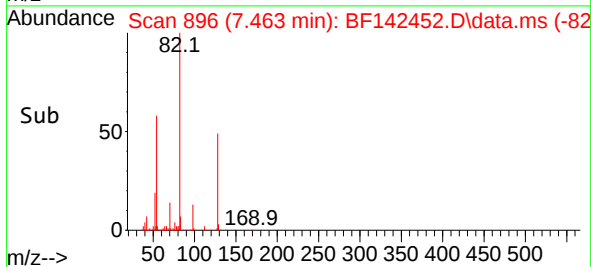
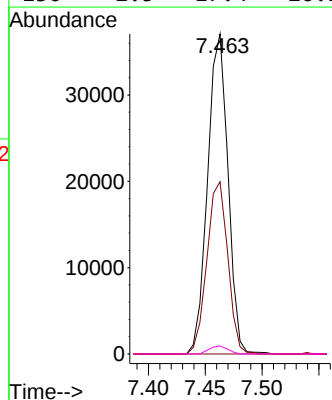
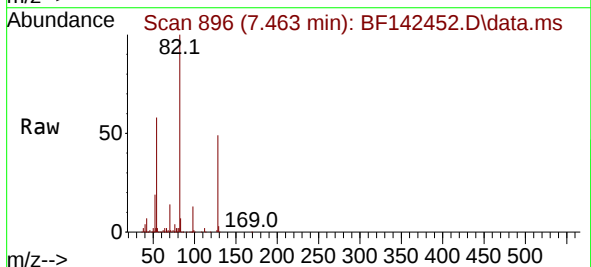
Instrument :
BNA_F
ClientSampleId :

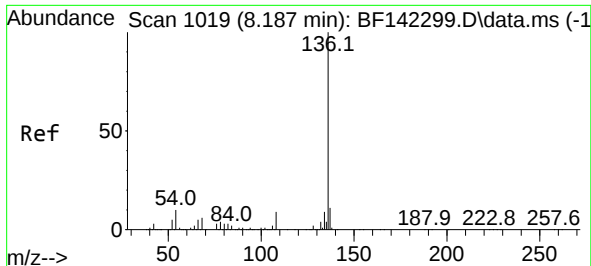
Tgt Ion: 99 Resp: 572425
Ion Ratio Lower Upper
99 100
42 19.8 17.0 25.4
71 32.9 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 10.921 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.147 min
Lab File: BF142452.D
Acq: 19 May 2025 15:33

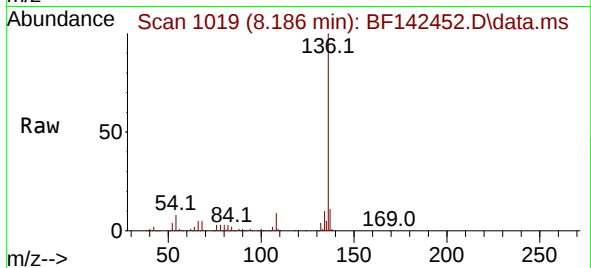
Tgt Ion: 70 Resp: 46131
Ion Ratio Lower Upper
70 100
42 53.8 54.8 82.2#
101 0.0 7.7 11.5#
130 2.5 17.4 26.2#



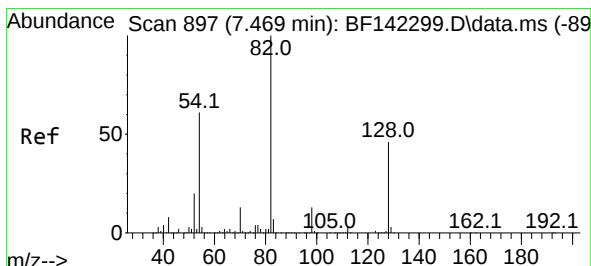
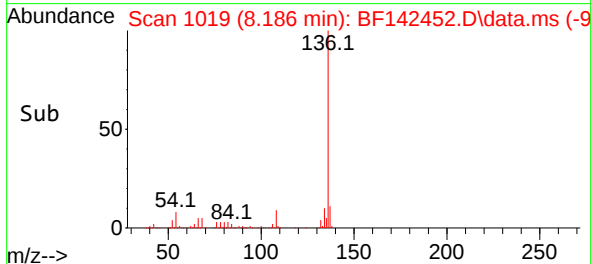
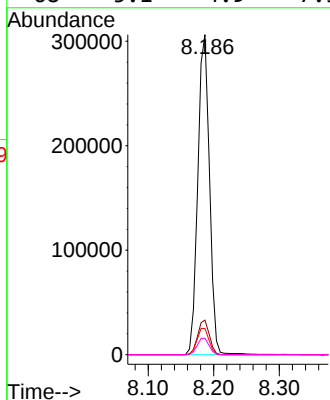


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142452.D
Acq: 19 May 2025 15:33

Instrument :
BNA_F
ClientSampleId :

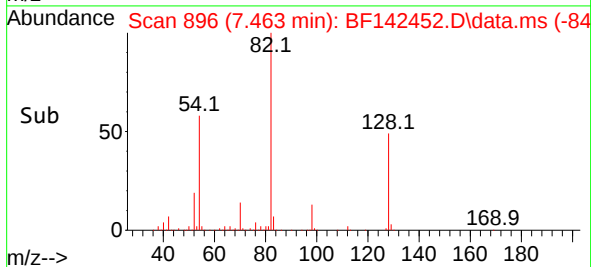
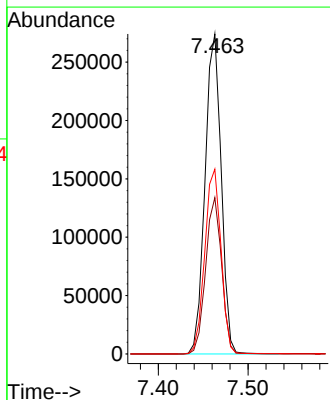
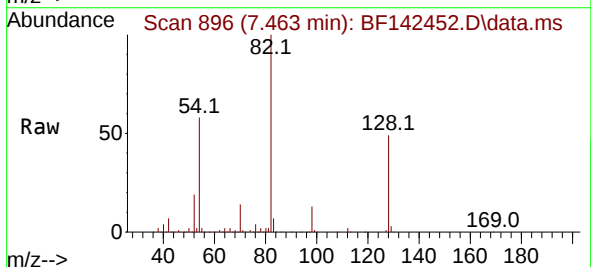


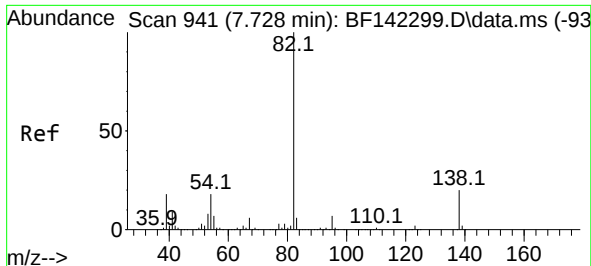
Tgt Ion:	136	Resp:	380390
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.2	7.7	11.5
68	5.1	4.9	7.3



#23
Nitrobenzene-d5
Concen: 54.979 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF142452.D
Acq: 19 May 2025 15:33

Tgt Ion:	82	Resp:	342914
Ion	Ratio	Lower	Upper
82	100		
128	48.9	37.0	55.6
54	57.7	48.6	73.0

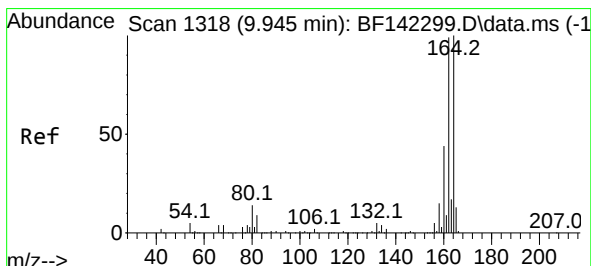
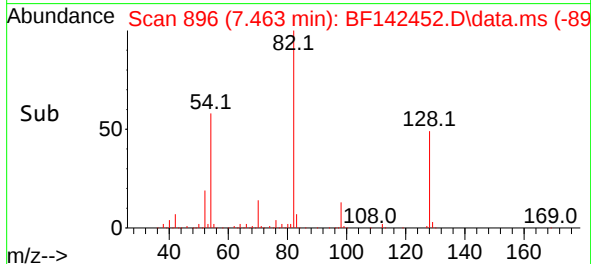
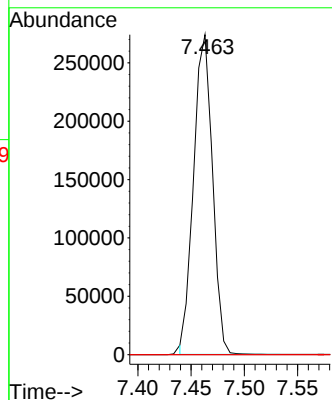
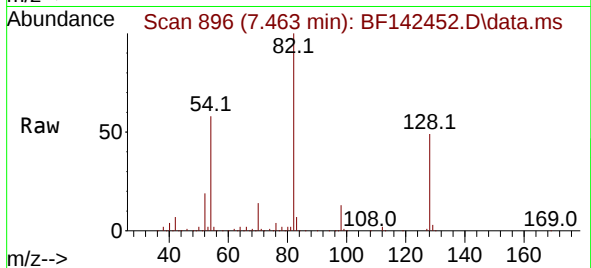




#25
Isophorone
Concen: 28.651 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF142452.D
Acq: 19 May 2025 15:33

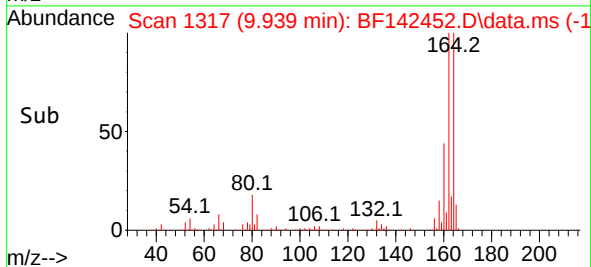
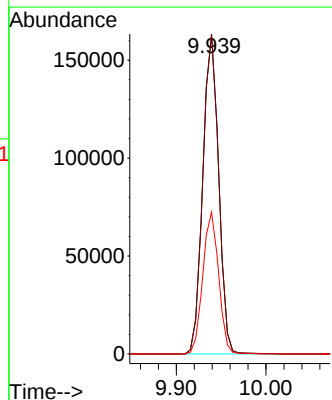
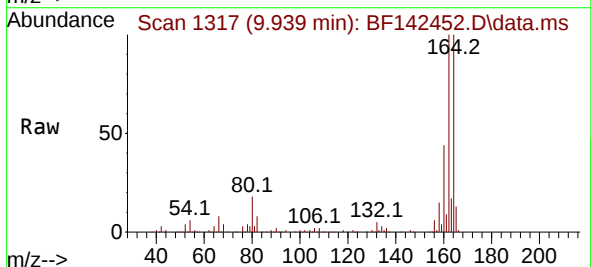
Instrument :
BNA_F
ClientSampleId :

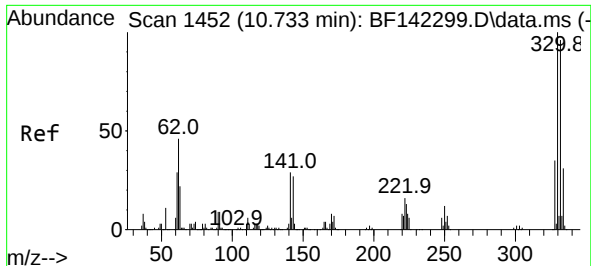
Tgt Ion: 82 Resp: 338401
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142452.D
Acq: 19 May 2025 15:33

Tgt Ion:164 Resp: 199778
Ion Ratio Lower Upper
164 100
162 99.7 79.2 118.8
160 44.3 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 124.169 ng

RT: 10.727 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF142452.D

Acq: 19 May 2025 15:33

Instrument :

BNA_F

ClientSampleId :

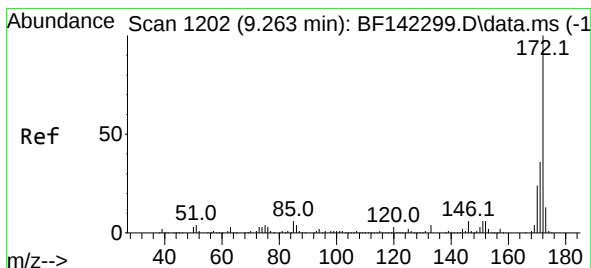
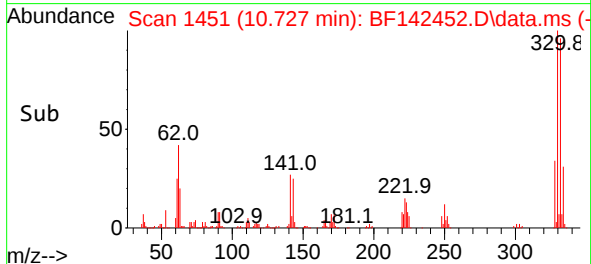
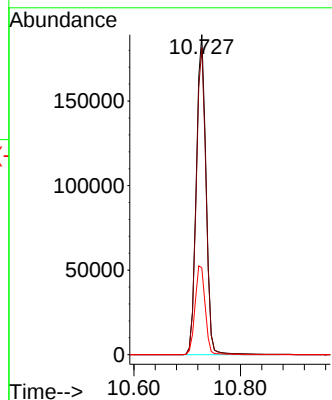
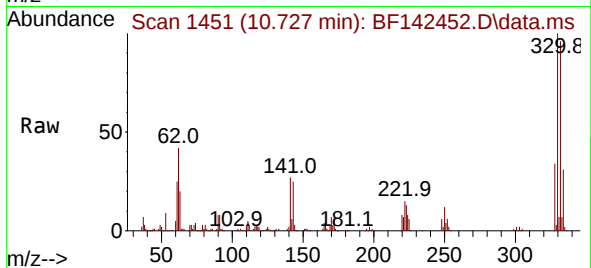
Tgt Ion:330 Resp: 239500

Ion Ratio Lower Upper

330 100

332 96.2 76.8 115.2

141 29.0 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 55.620 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF142452.D

Acq: 19 May 2025 15:33

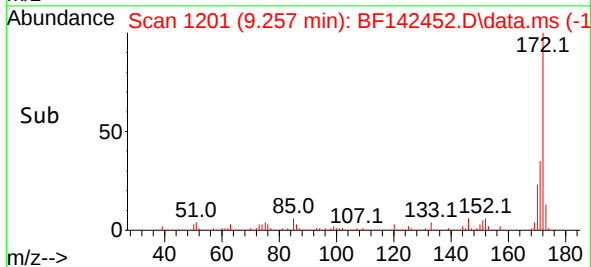
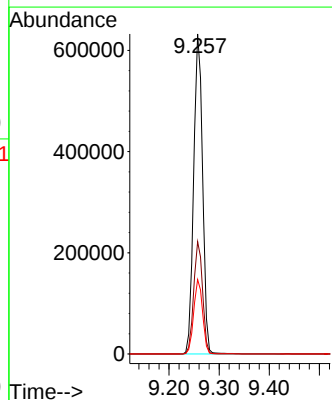
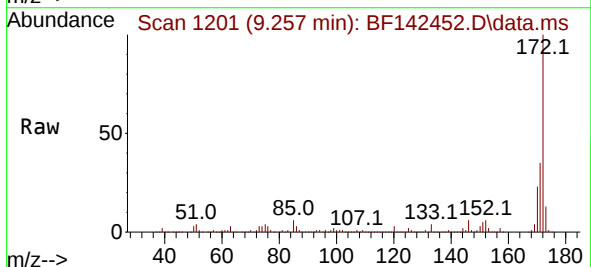
Tgt Ion:172 Resp: 779292

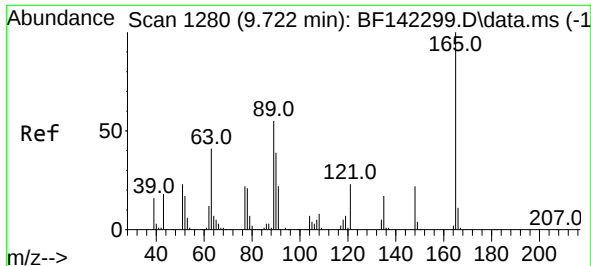
Ion Ratio Lower Upper

172 100

171 35.1 28.6 42.8

170 23.3 19.0 28.4





#51

2,6-Dinitrotoluene

Concen: 10.842 ng

RT: 9.939 min Scan# 1

Delta R.T. 0.218 min

Lab File: BF142452.D

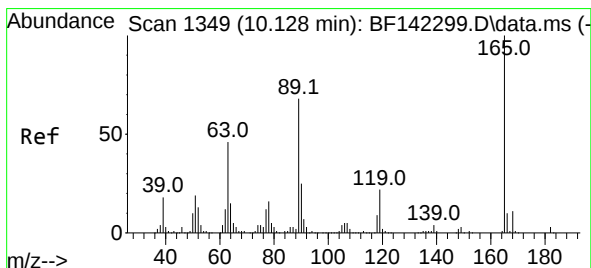
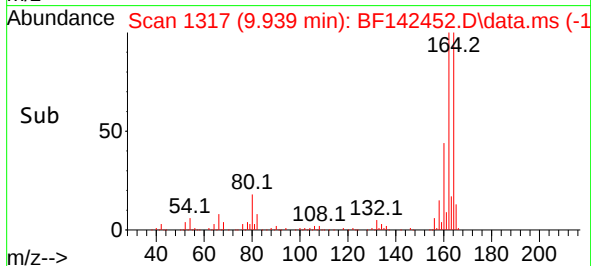
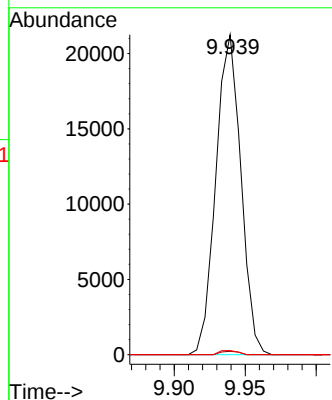
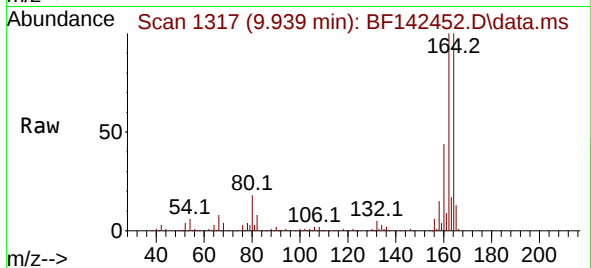
Acq: 19 May 2025 15:33

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:165	Resp:	26034
Ion Ratio	Lower	Upper
165	100	
63	1.0	49.5 74.3#
89	1.3	44.6 66.8#



#57

2,4-Dinitrotoluene

Concen: 8.452 ng

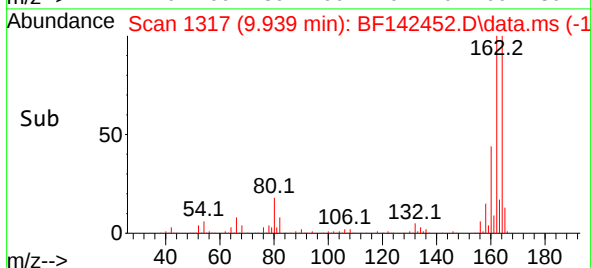
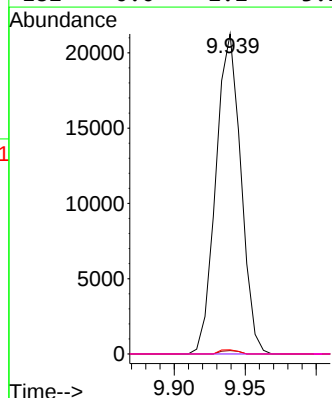
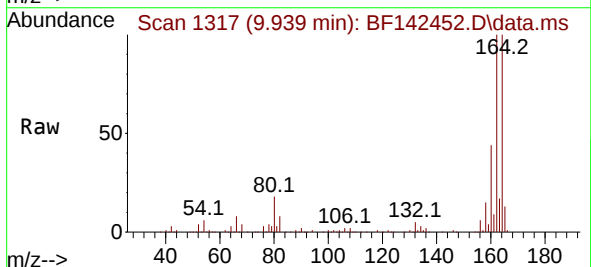
RT: 9.939 min Scan# 1317

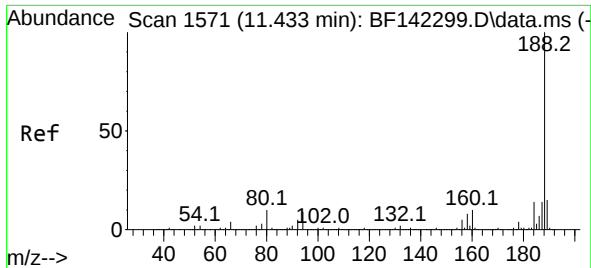
Delta R.T. -0.188 min

Lab File: BF142452.D

Acq: 19 May 2025 15:33

Tgt Ion:165	Resp:	26034
Ion Ratio	Lower	Upper
165	100	
63	1.0	37.1 55.7#
89	1.3	54.4 81.6#
182	0.0	2.2 3.2#

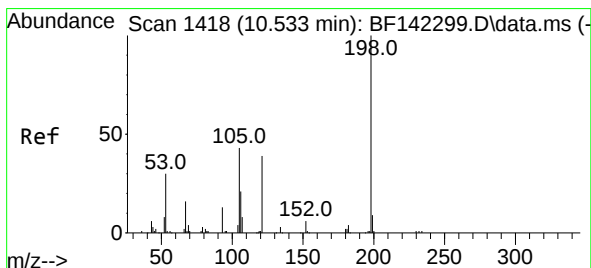
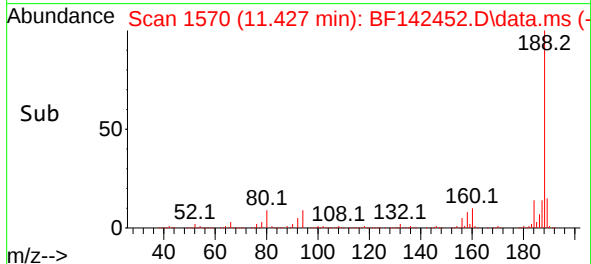
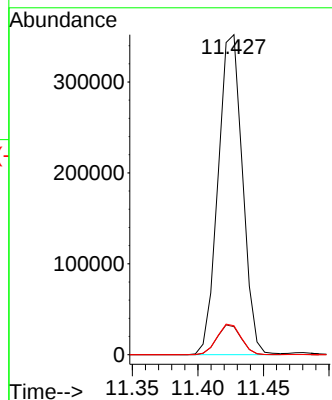
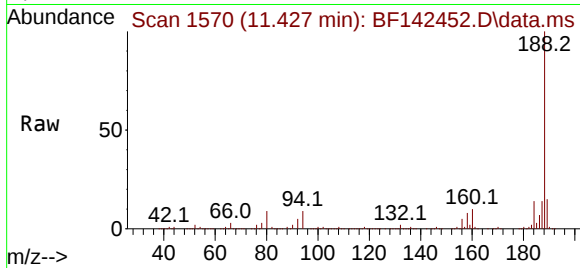




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142452.D
Acq: 19 May 2025 15:33

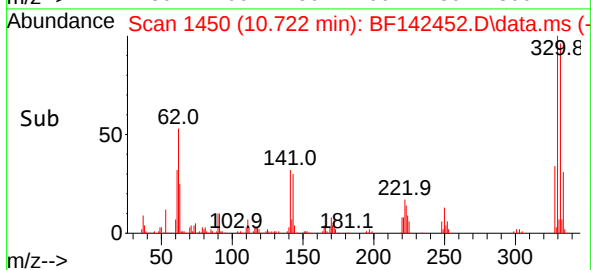
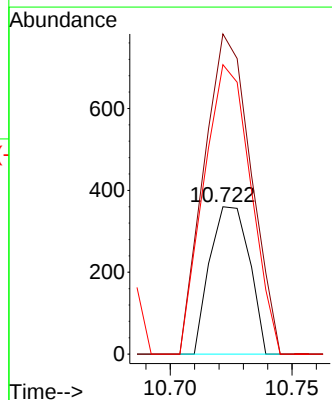
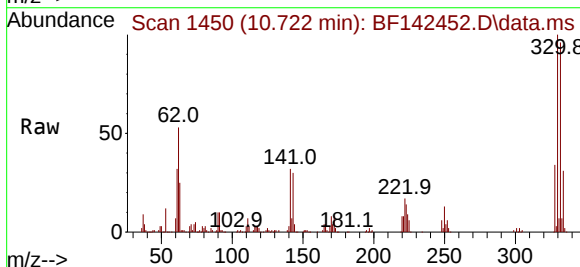
Instrument :
BNA_F
ClientSampleId :

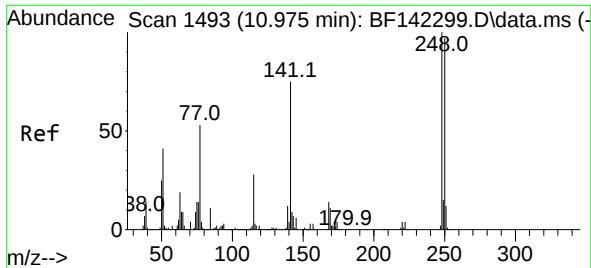
Tgt Ion:188 Resp: 454883
Ion Ratio Lower Upper
188 100
94 8.7 7.5 11.3
80 9.1 7.9 11.9



#65
4,6-Dinitro-2-methylphenol
Concen: 7.348 ng
RT: 10.722 min Scan# 1450
Delta R.T. 0.189 min
Lab File: BF142452.D
Acq: 19 May 2025 15:33

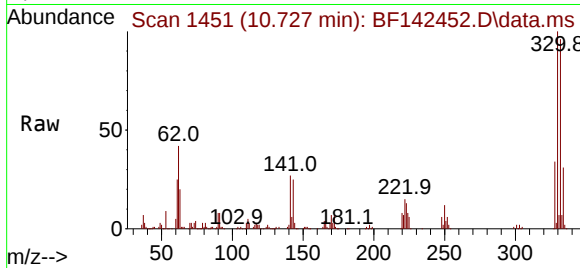
Tgt Ion:198 Resp: 406
Ion Ratio Lower Upper
198 100
51 217.2 32.9 72.9#
105 196.4 23.7 63.7#



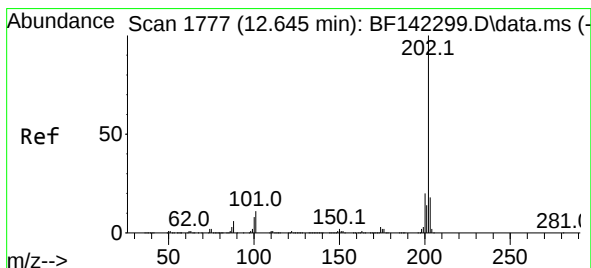
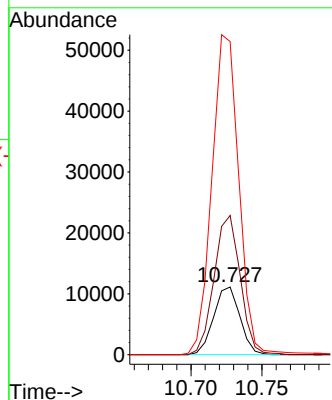
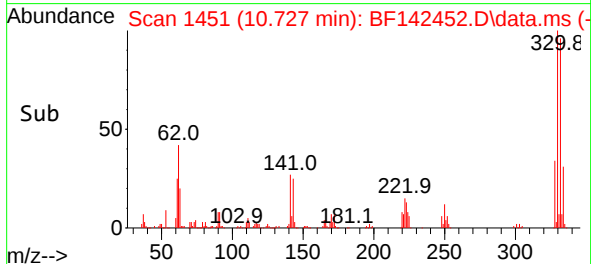


#67
4-Bromophenyl-phenylether
Concen: 2.770 ng
RT: 10.727 min Scan# 1493
Delta R.T. -0.247 min
Lab File: BF142452.D
Acq: 19 May 2025 15:33

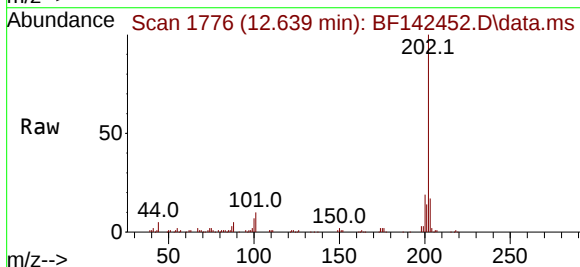
Instrument :
BNA_F
ClientSampleId :



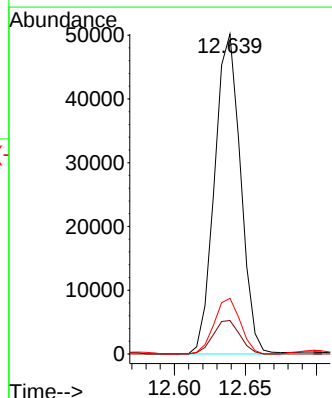
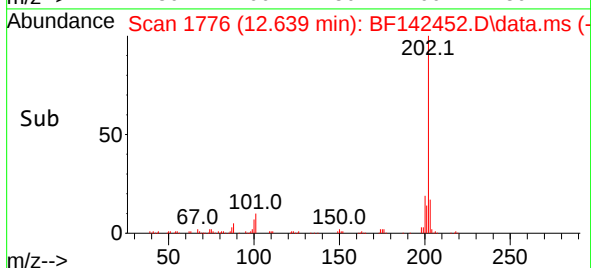
Tgt Ion:248 Resp: 14278
Ion Ratio Lower Upper
248 100
250 205.5 77.9 116.9#
141 462.2 59.8 89.8#

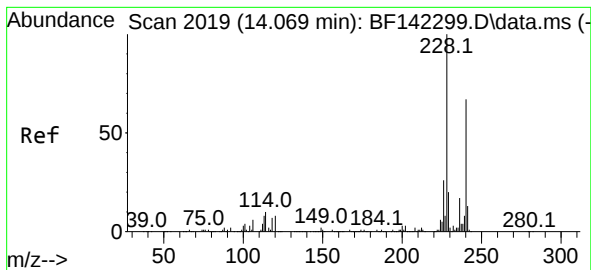


#75
Fluoranthene
Concen: 2.679 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142452.D
Acq: 19 May 2025 15:33



Tgt Ion:202 Resp: 63865
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.4
203 17.4 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142452.D

Acq: 19 May 2025 15:33

Instrument :

BNA_F

ClientSampleId :

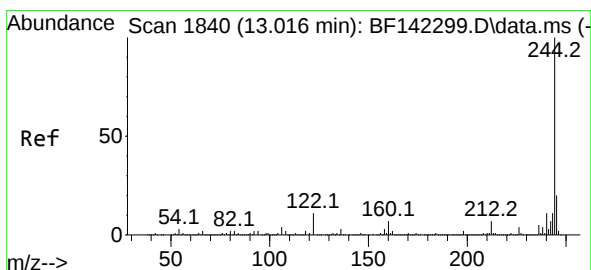
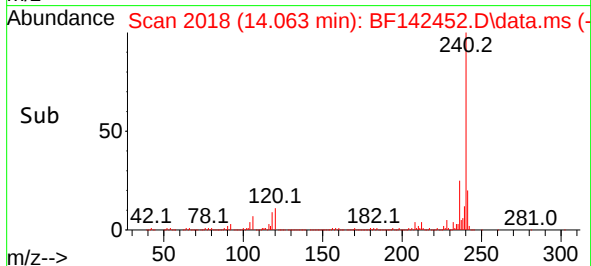
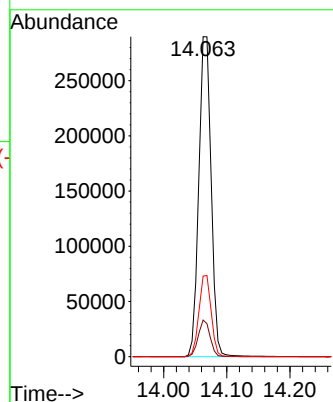
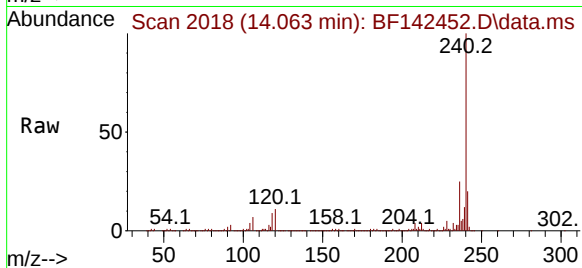
Tgt Ion:240 Resp: 392802

Ion Ratio Lower Upper

240 100

120 11.5 9.7 14.5

236 25.2 20.0 30.0



#79

Terphenyl-d14

Concen: 44.127 ng

RT: 13.010 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF142452.D

Acq: 19 May 2025 15:33

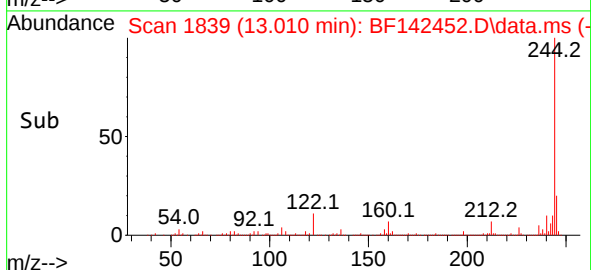
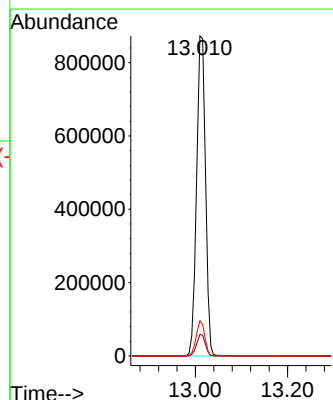
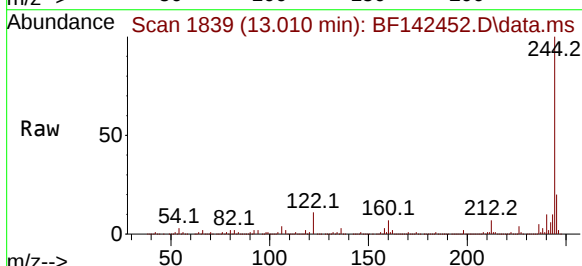
Tgt Ion:244 Resp: 1171087

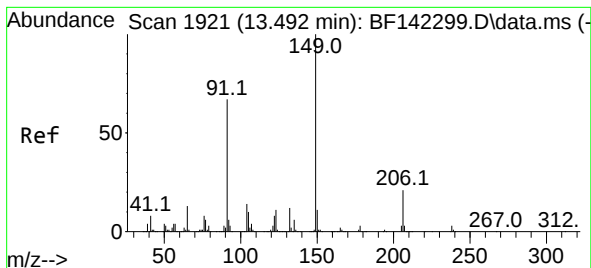
Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

122 11.0 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.694 ng

RT: 13.486 min Scan# 1921

Delta R.T. -0.006 min

Lab File: BF142452.D

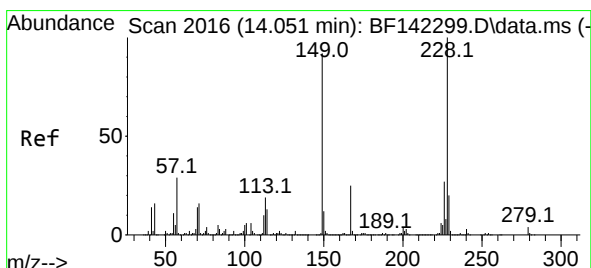
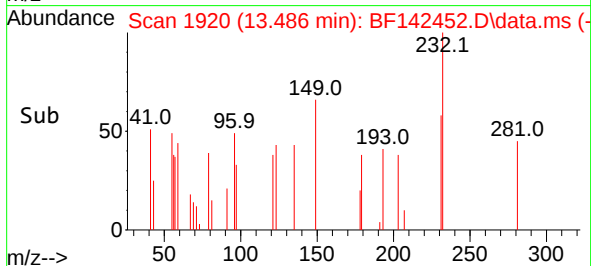
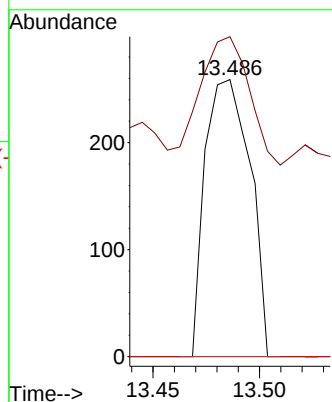
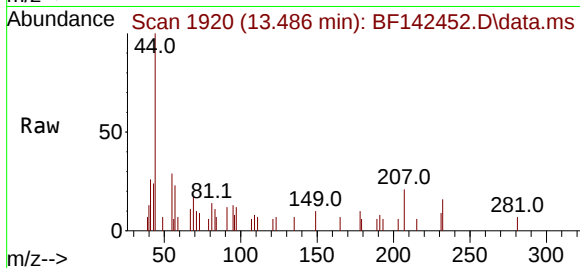
Acq: 19 May 2025 15:33

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:149	Resp:	380
Ion Ratio	Lower	Upper
149	100	
91	115.4	53.8 80.6#
206	0.0	16.6 24.8#



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.348 ng

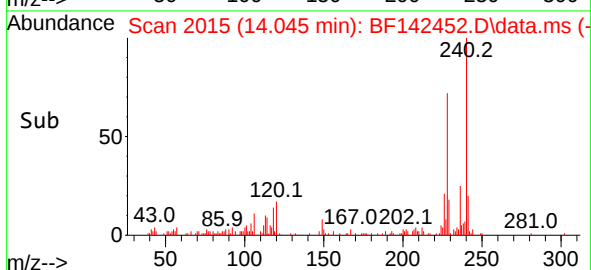
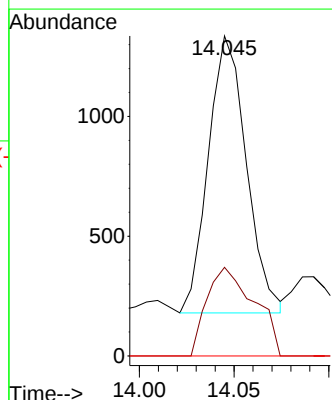
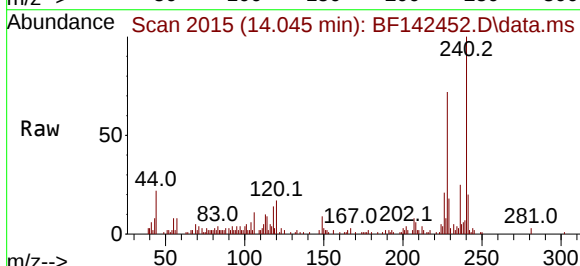
RT: 14.045 min Scan# 2015

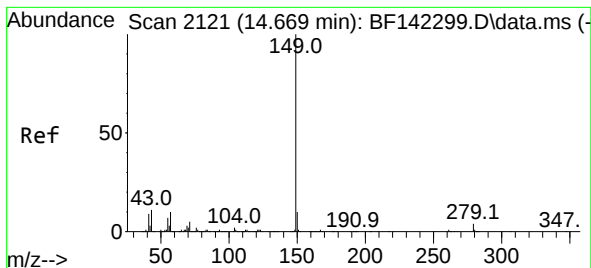
Delta R.T. -0.006 min

Lab File: BF142452.D

Acq: 19 May 2025 15:33

Tgt Ion:149	Resp:	1614
Ion Ratio	Lower	Upper
149	100	
167	27.7	22.0 33.0
279	0.0	3.0 4.6#





#85

Di-n-octyl phthalate

Concen: 7.950 ng

RT: 14.692 min Scan# 2125

Delta R.T. 0.023 min

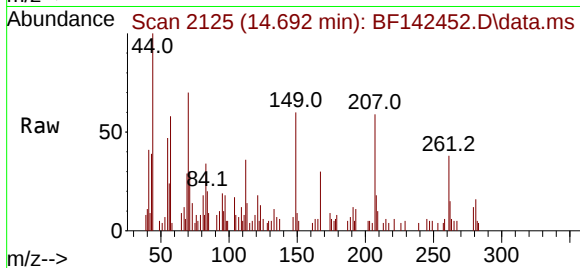
Lab File: BF142452.D

Acq: 19 May 2025 15:33

Instrument :

BNA_F

ClientSampleId :



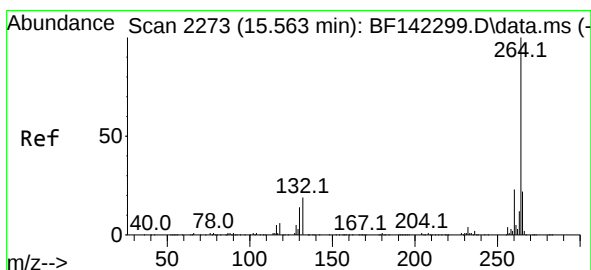
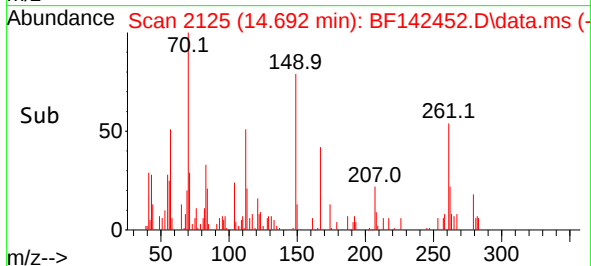
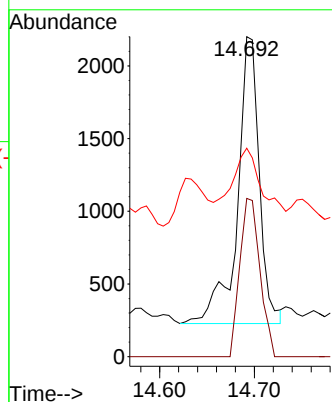
Tgt Ion:149 Resp: 3166

Ion Ratio Lower Upper

149 100

167 50.6 1.1 1.7#

43 29.0 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: BF142452.D

Acq: 19 May 2025 15:33

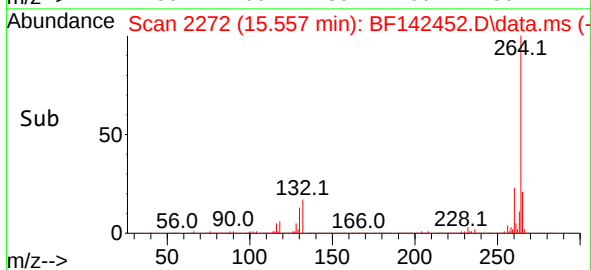
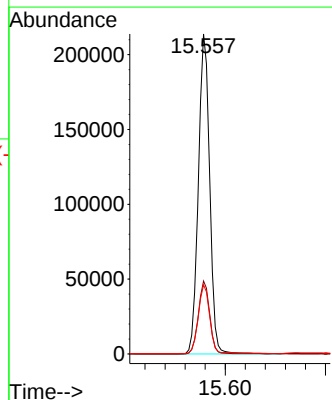
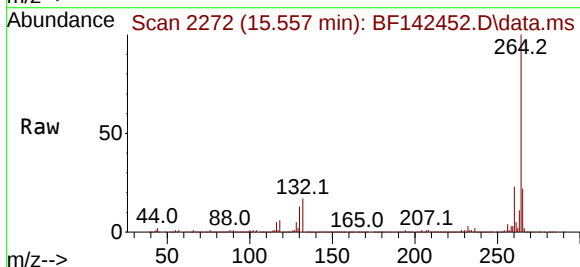
Tgt Ion:264 Resp: 333865

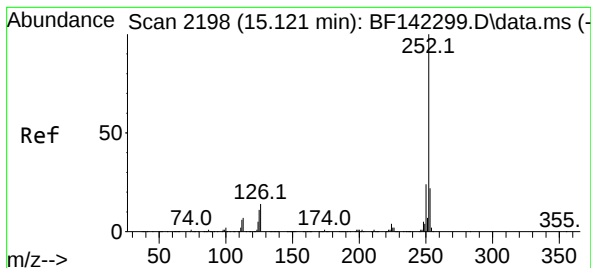
Ion Ratio Lower Upper

264 100

260 22.8 18.6 27.8

265 21.6 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 2.047 ng

RT: 15.115 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF142452.D

Acq: 19 May 2025 15:33

Instrument :

BNA_F

ClientSampleId :

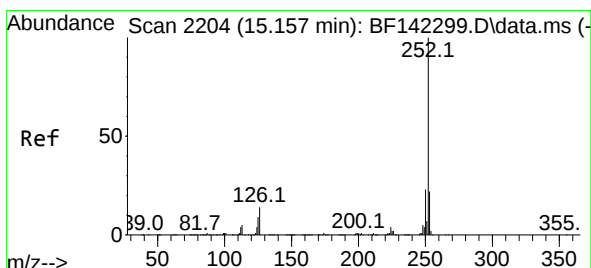
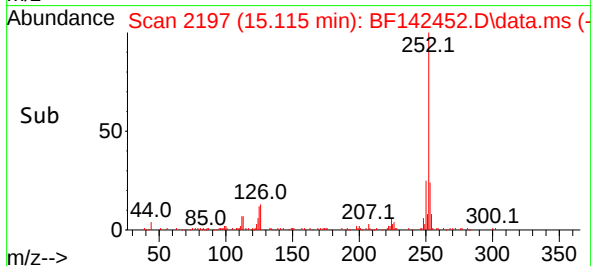
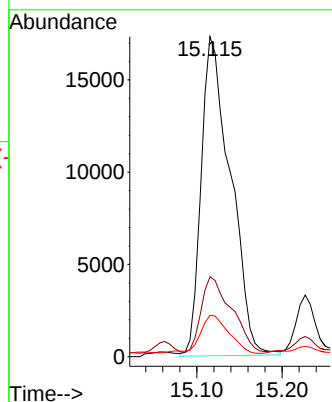
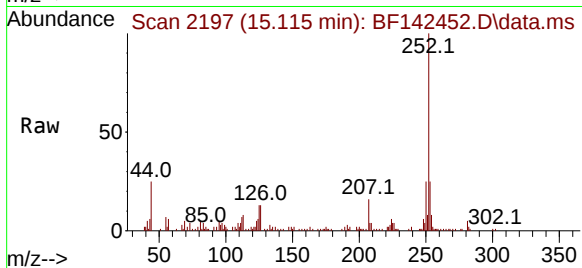
Tgt Ion:252 Resp: 41384

Ion Ratio Lower Upper

252 100

253 25.0 17.7 26.5

125 12.9 8.7 13.1



#89

Benzo(k)fluoranthene

Concen: 2.236 ng

RT: 15.115 min Scan# 2197

Delta R.T. -0.041 min

Lab File: BF142452.D

Acq: 19 May 2025 15:33

Tgt Ion:252 Resp: 41384

Ion Ratio Lower Upper

252 100

253 25.0 17.6 26.4

125 12.9 8.1 12.1#

