

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051925\
 Data File : BF142458.D
 Acq On : 19 May 2025 18:27
 Operator : RC/JU
 Sample : Q2062-13
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 20 02:22:01 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)

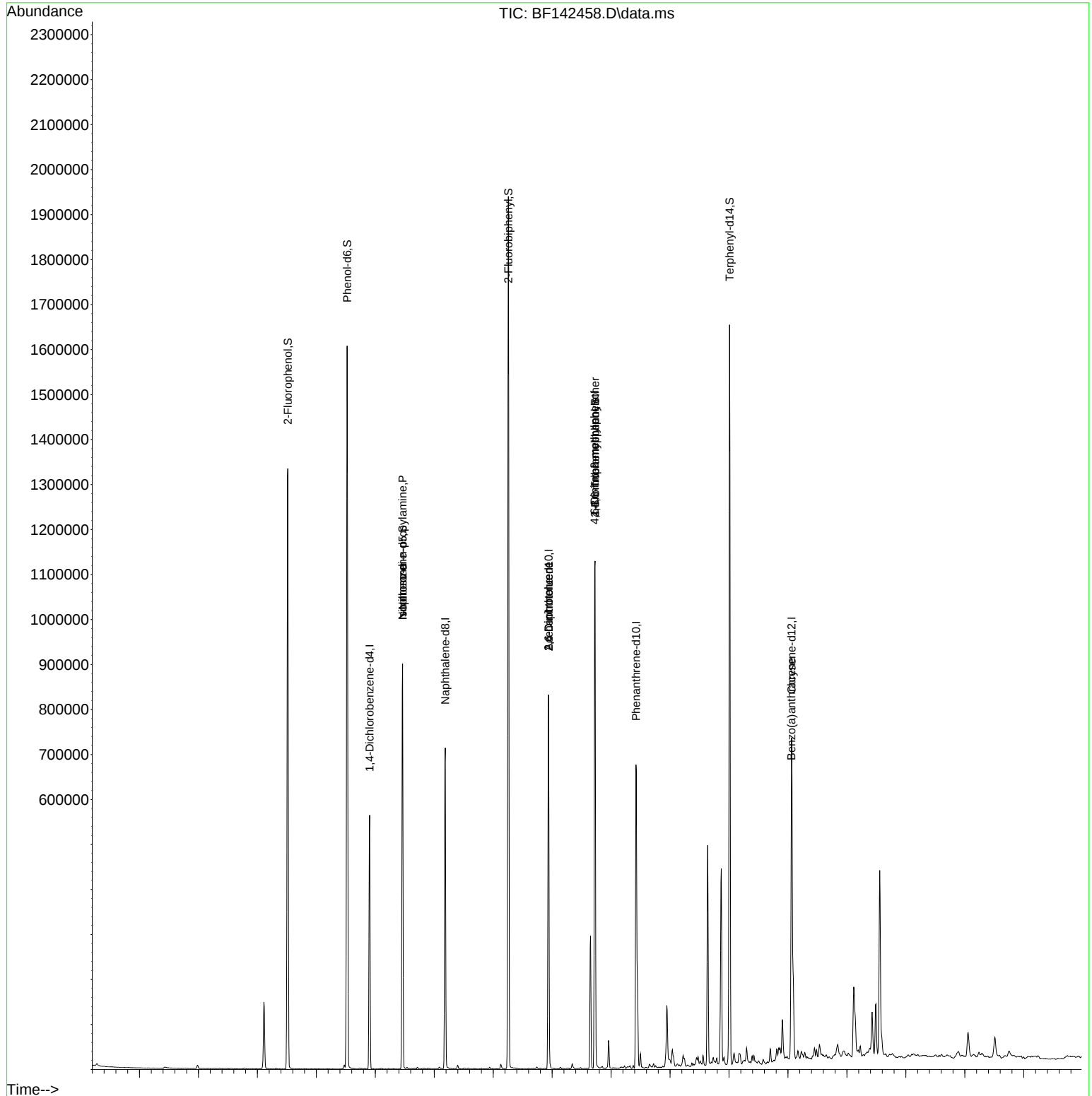
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	122783	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	457951	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	250300	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	365800	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	283665	20.000	ng	0.00
86) Perylene-d12	15.557	264	236530	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	526980	73.267	ng	0.00
7) Phenol-d6	6.522	99	745427	84.264	ng	0.00
23) Nitrobenzene-d5	7.463	82	374350	49.854	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	210296	87.021	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	852587	48.569	ng	0.00
79) Terphenyl-d14	13.010	244	784898	40.954	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.463	70	50368	9.205	ng	# 75
25) Isophorone	7.463	82	368366	25.906	ng	# 62
51) 2,6-Dinitrotoluene	9.939	165	32393	10.767	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	32393	8.394	ng	# 24
63) Azobenzene	10.651	77	70859	4.620	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.722	198	359	7.364	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	12949	3.123	ng	# 1
71) Phenanthrene	11.445	178	98935	5.160	ng	98
75) Fluoranthene	12.639	202	283198	14.775	ng	97
78) Pyrene	12.869	202	256984	10.178	ng	99
80) Butylbenzylphthalate	13.486	149	723	3.750	ng	# 52
81) Benzo(a)anthracene	14.057	228	114446	6.230	ng	99
83) Chrysene	14.092	228	87018	5.088	ng	99
84) Bis(2-ethylhexyl)phtha...	14.045	149	2912	4.514	ng	# 96
85) Di-n-octyl phthalate	14.657	149	99	7.845	ng	# 1
87) Indeno(1,2,3-cd)pyrene	17.056	276	41515	2.523	ng	94
88) Benzo(b)fluoranthene	15.115	252	138097	9.640	ng	99
89) Benzo(k)fluoranthene	15.115	252	138097	10.534	ng	99
90) Benzo(a)pyrene	15.492	252	73169	5.700	ng	99
92) Benzo(g,h,i)perylene	17.509	276	41015	3.040	ng	96

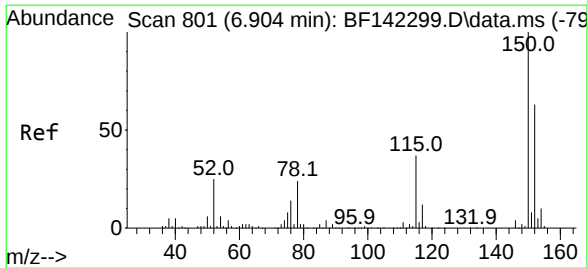
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051925\
Data File : BF142458.D
Acq On : 19 May 2025 18:27
Operator : RC/JU
Sample : Q2062-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

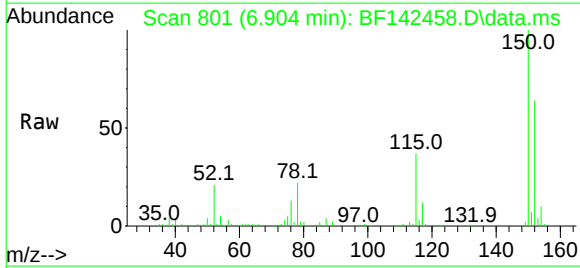
Quant Time: May 20 02:22:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration



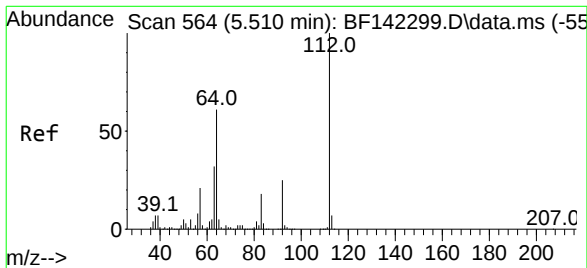
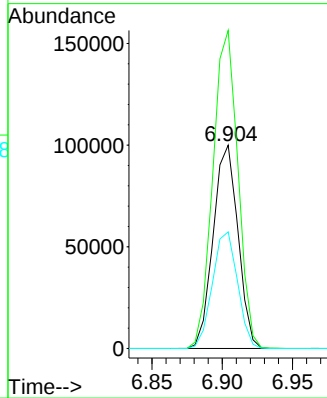
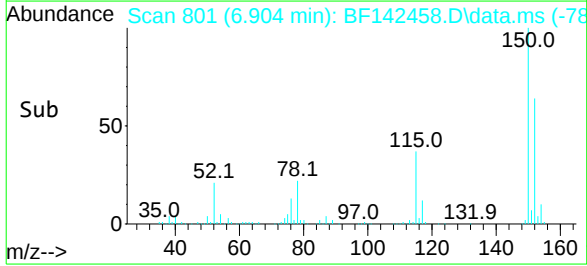


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142458.D
Acq: 19 May 2025 18:27

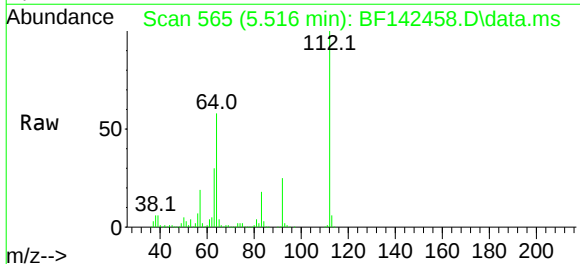
Instrument :
BNA_F
ClientSampleId :



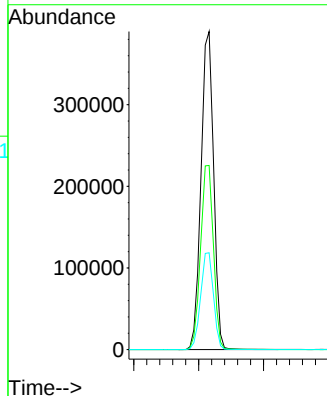
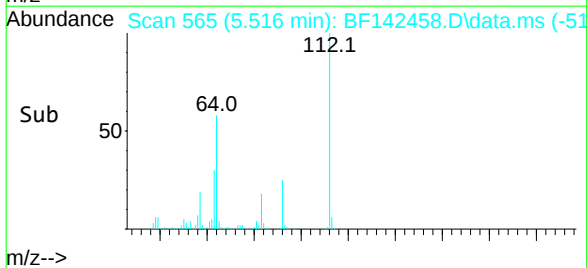
Tgt Ion:152 Resp: 122783
Ion Ratio Lower Upper
152 100
150 156.4 126.6 190.0
115 57.4 47.3 70.9

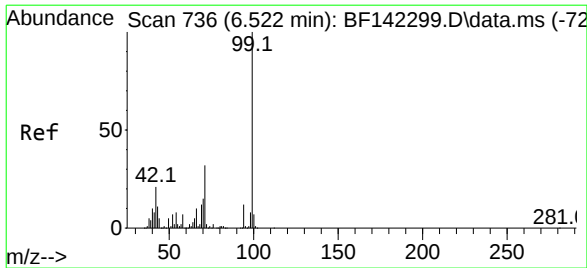


#5
2-Fluorophenol
Concen: 73.267 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF142458.D
Acq: 19 May 2025 18:27



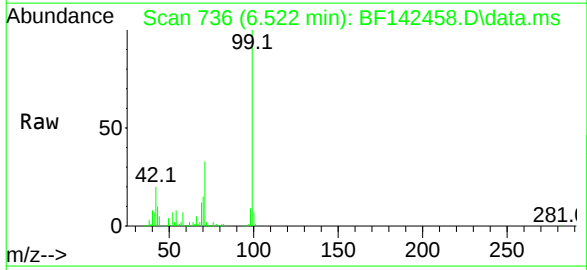
Tgt Ion:112 Resp: 526980
Ion Ratio Lower Upper
112 100
64 57.9 48.9 73.3
63 30.4 25.6 38.4



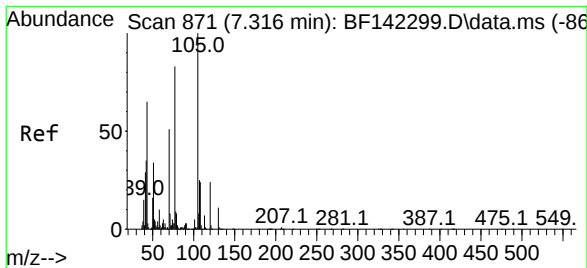
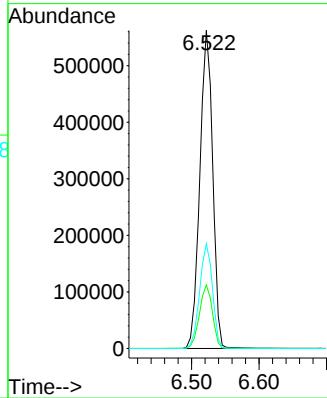
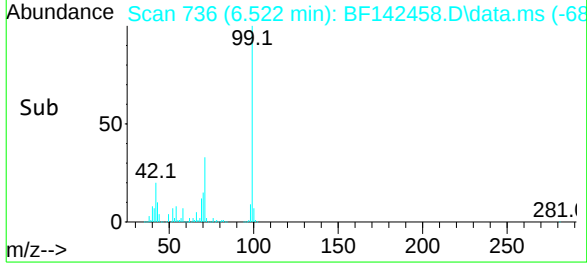


#7
Phenol-d6
Concen: 84.264 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.000 min
Lab File: BF142458.D
Acq: 19 May 2025 18:27

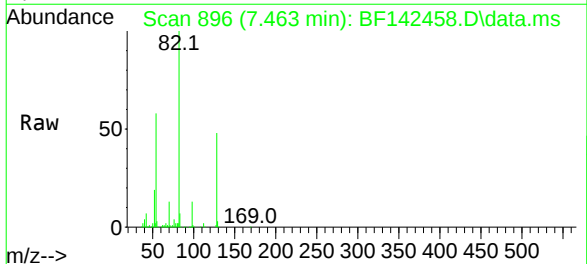
Instrument :
BNA_F
ClientSampleId :



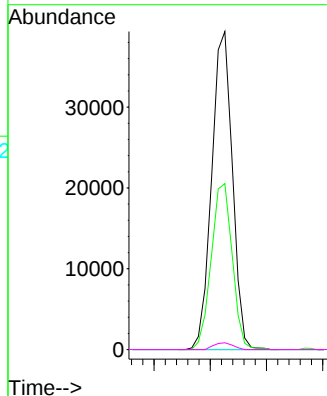
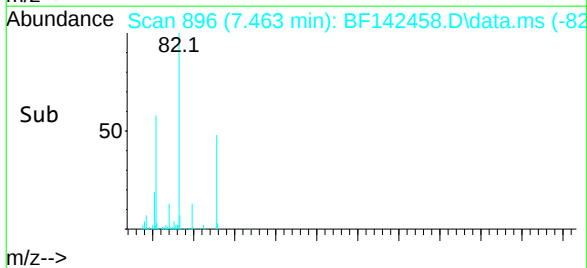
Tgt Ion: 99 Resp: 745427
Ion Ratio Lower Upper
99 100
42 20.0 17.0 25.4
71 32.9 25.8 38.8

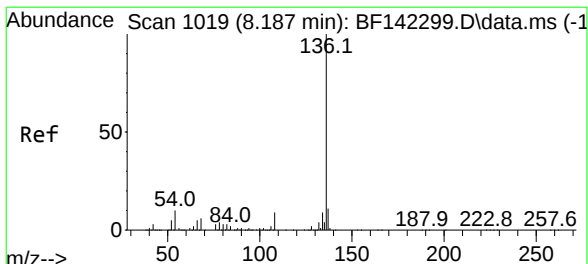


#19
n-Nitroso-di-n-propylamine
Concen: 9.205 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.147 min
Lab File: BF142458.D
Acq: 19 May 2025 18:27



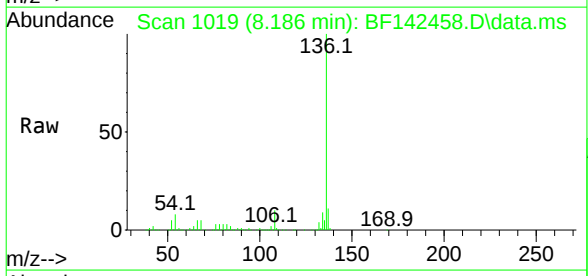
Tgt Ion: 70 Resp: 50368
Ion Ratio Lower Upper
70 100
42 52.2 54.8 82.2#
101 0.0 7.7 11.5#
130 2.1 17.4 26.2#



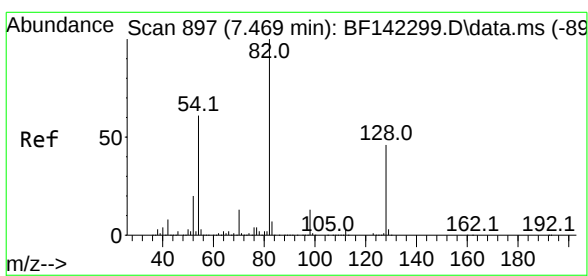
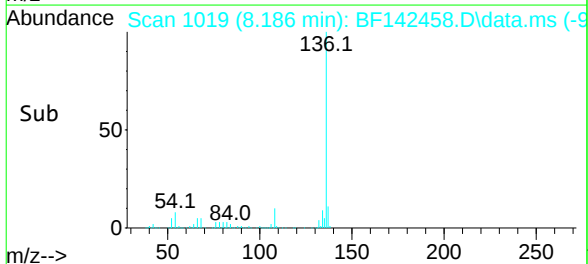
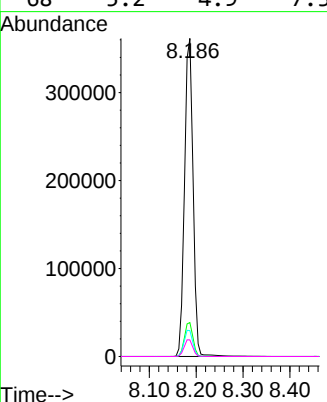


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142458.D
Acq: 19 May 2025 18:27

Instrument :
BNA_F
ClientSampleId :

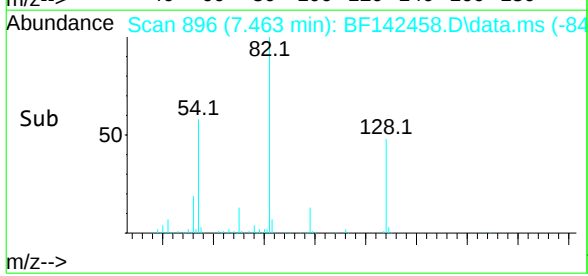
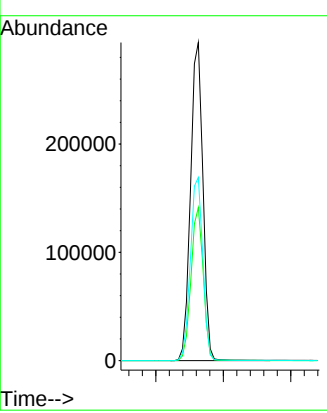
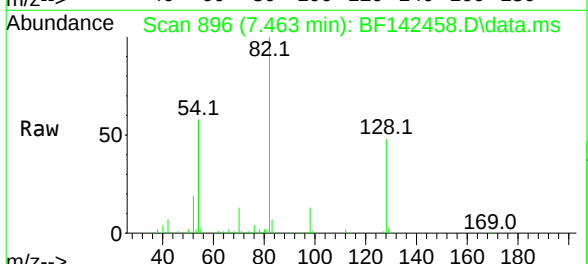


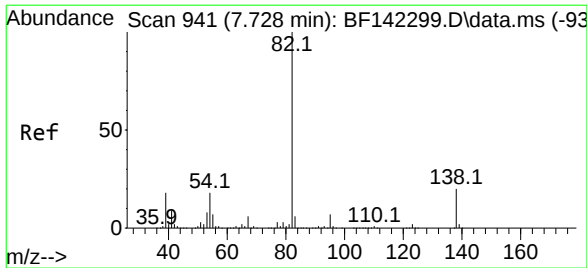
Tgt Ion:	136	Resp:	457951
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	8.1	7.7	11.5
68	5.2	4.9	7.3



#23
Nitrobenzene-d5
Concen: 49.854 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF142458.D
Acq: 19 May 2025 18:27

Tgt Ion:	82	Resp:	374350
Ion Ratio	Lower	Upper	
82	100		
128	48.1	37.0	55.6
54	57.6	48.6	73.0

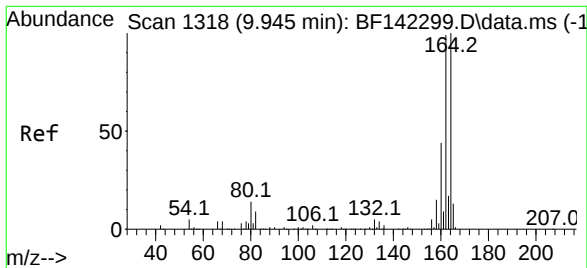
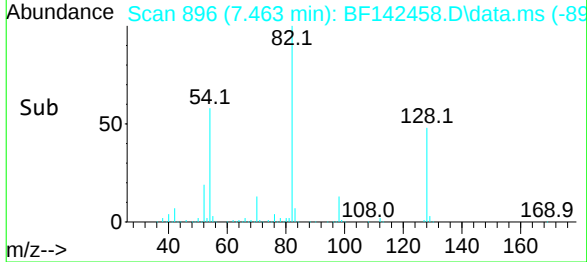
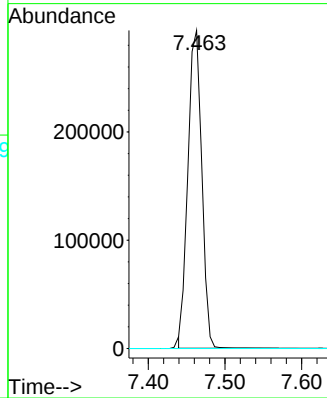
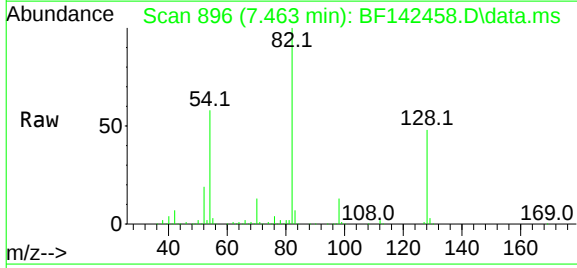




#25
Isophorone
Concen: 25.906 ng
RT: 7.463 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF142458.D
Acq: 19 May 2025 18:27

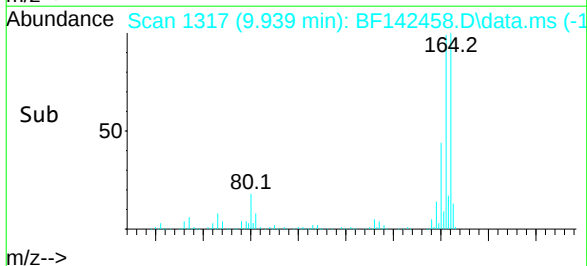
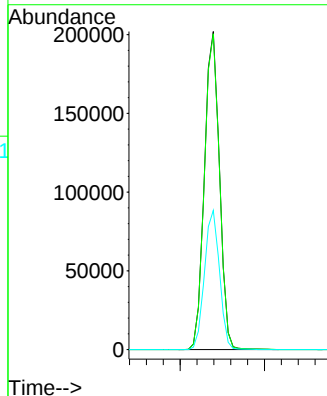
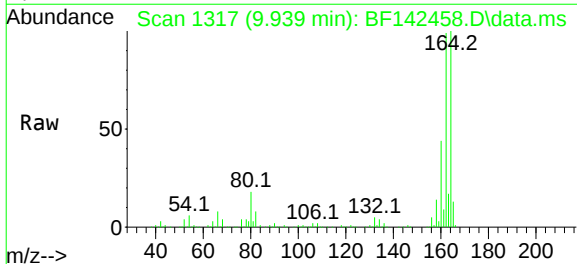
Instrument :
BNA_F
ClientSampleId :

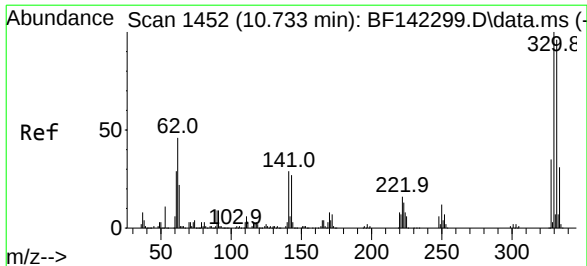
Tgt Ion: 82 Resp: 368366
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142458.D
Acq: 19 May 2025 18:27

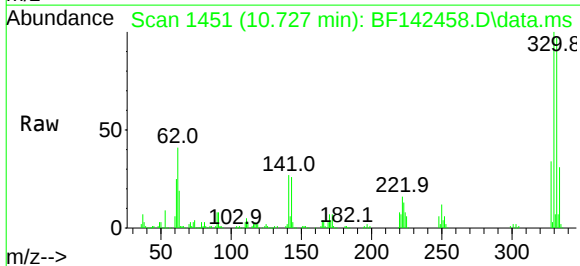
Tgt Ion: 164 Resp: 250300
Ion Ratio Lower Upper
164 100
162 99.3 79.2 118.8
160 43.8 35.3 52.9



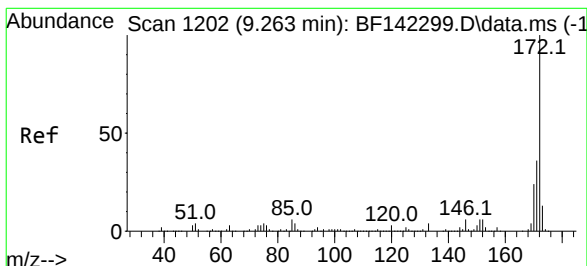
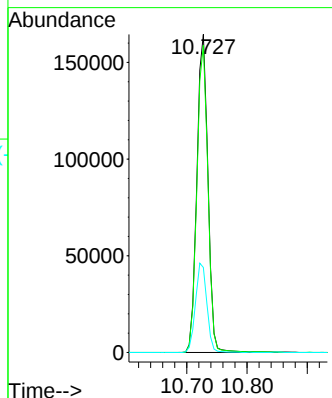
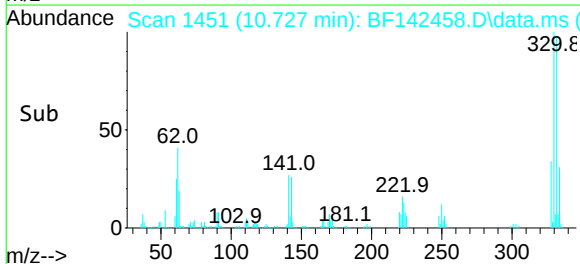


#42
2,4,6-Tribromophenol
Concen: 87.021 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142458.D
Acq: 19 May 2025 18:27

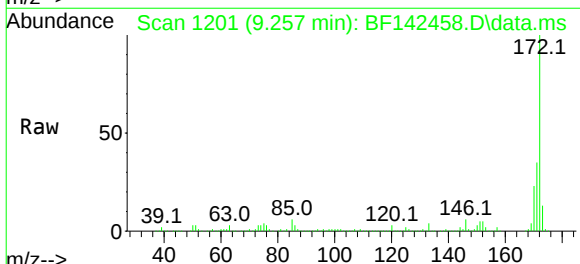
Instrument :
BNA_F
ClientSampleId :



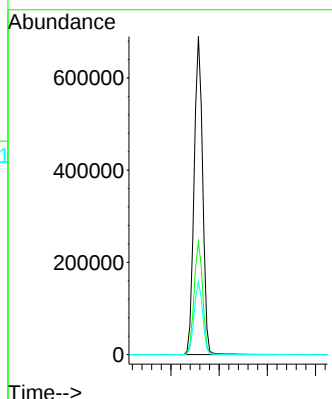
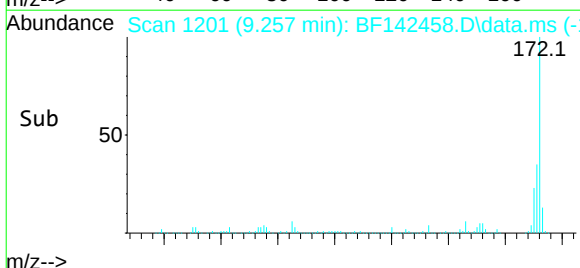
Tgt Ion: 330 Resp: 210296
Ion Ratio Lower Upper
330 100
332 96.5 76.8 115.2
141 28.9 24.9 37.3

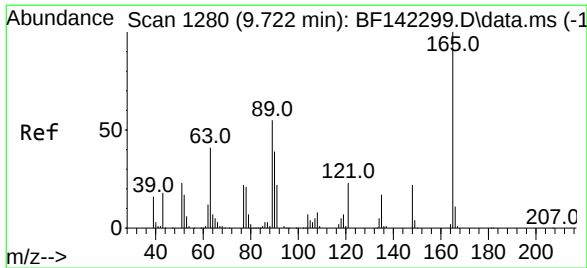


#45
2-Fluorobiphenyl
Concen: 48.569 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142458.D
Acq: 19 May 2025 18:27



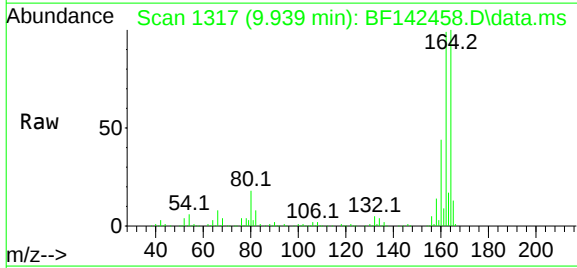
Tgt Ion: 172 Resp: 852587
Ion Ratio Lower Upper
172 100
171 35.5 28.6 42.8
170 23.0 19.0 28.4



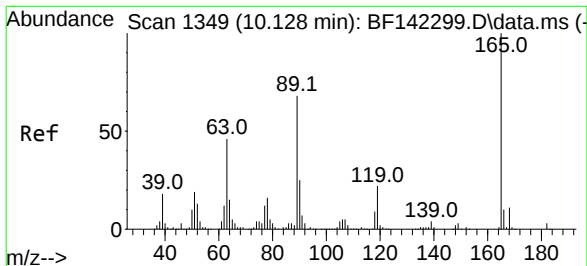
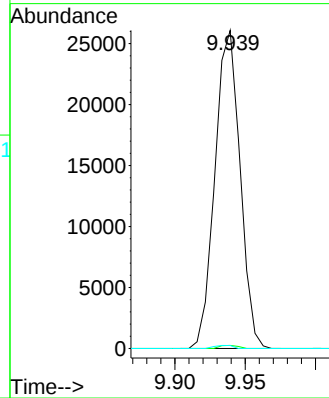
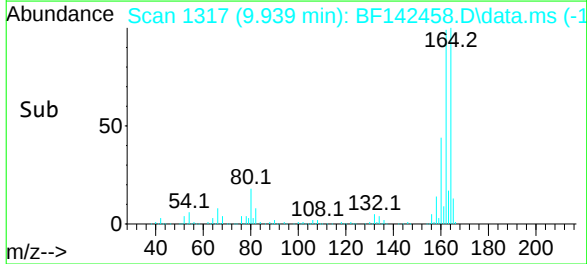


#51
2,6-Dinitrotoluene
Concen: 10.767 ng
RT: 9.939 min Scan# 1317
Delta R.T. 0.218 min
Lab File: BF142458.D
Acq: 19 May 2025 18:27

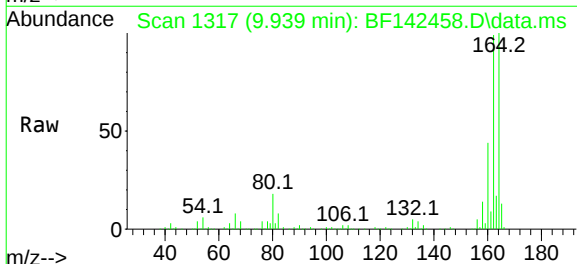
Instrument :
BNA_F
ClientSampleId :



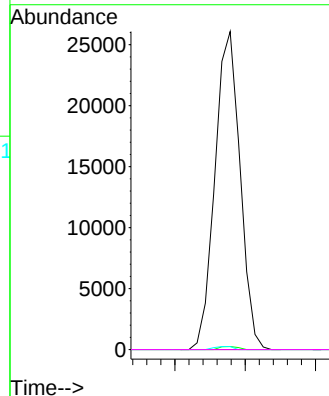
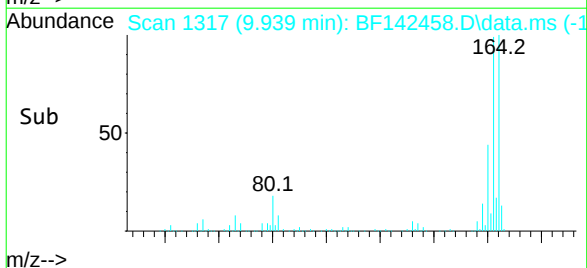
Tgt Ion:165 Resp: 32393
Ion Ratio Lower Upper
165 100
63 1.0 49.5 74.3#
89 0.9 44.6 66.8#

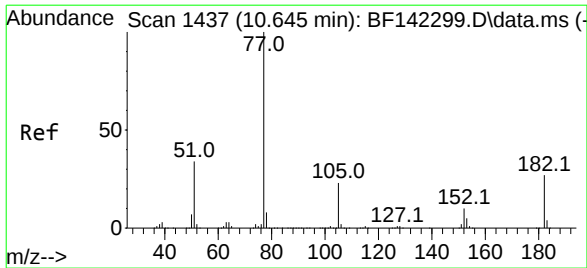


#57
2,4-Dinitrotoluene
Concen: 8.394 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.188 min
Lab File: BF142458.D
Acq: 19 May 2025 18:27



Tgt Ion:165 Resp: 32393
Ion Ratio Lower Upper
165 100
63 1.0 37.1 55.7#
89 0.9 54.4 81.6#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 4.620 ng

RT: 10.651 min Scan# 14

Delta R.T. 0.006 min

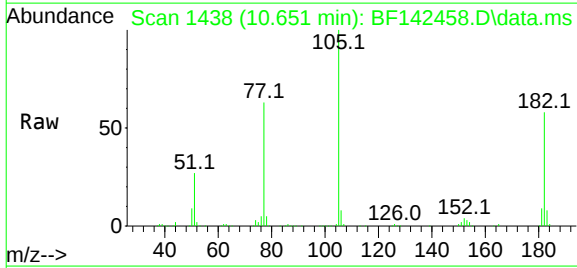
Lab File: BF142458.D

Acq: 19 May 2025 18:27

Instrument :

BNA_F

ClientSampleId :



Tgt Ion: 77 Resp: 70859

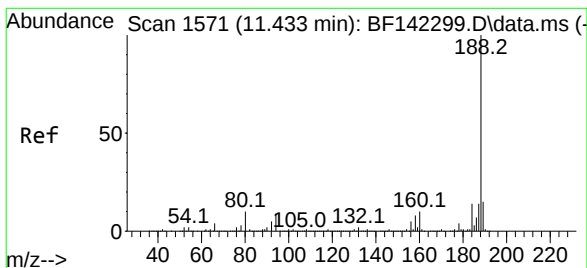
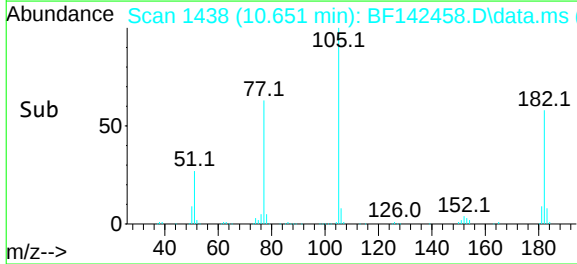
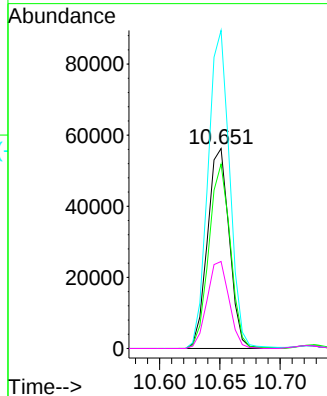
Ion Ratio Lower Upper

77 100

182 92.3 6.9 46.9#

105 159.1 2.7 42.7#

51 43.5 14.7 54.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1569

Delta R.T. -0.012 min

Lab File: BF142458.D

Acq: 19 May 2025 18:27

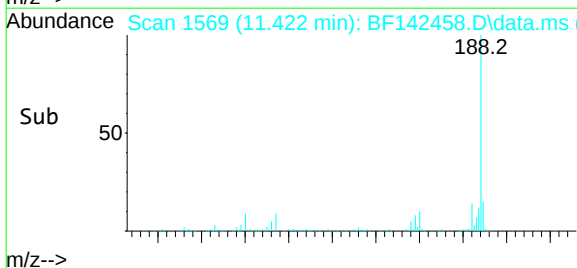
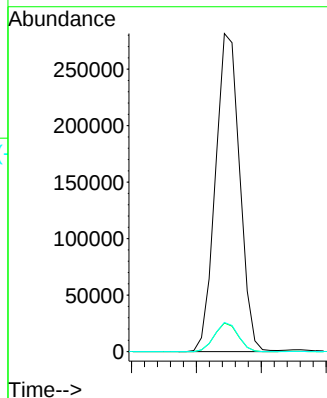
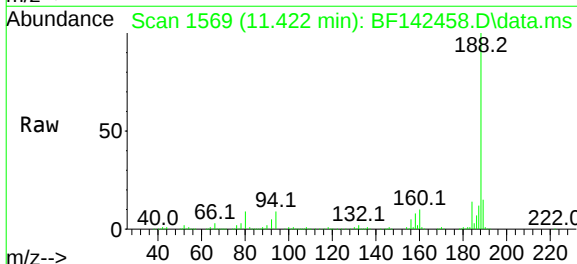
Tgt Ion: 188 Resp: 365800

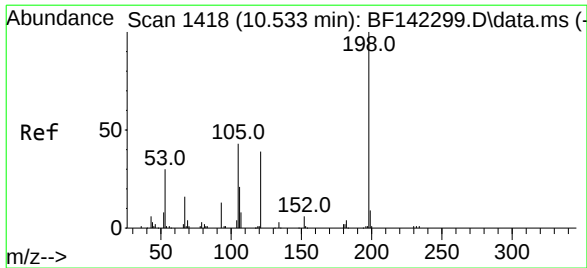
Ion Ratio Lower Upper

188 100

94 9.0 7.5 11.3

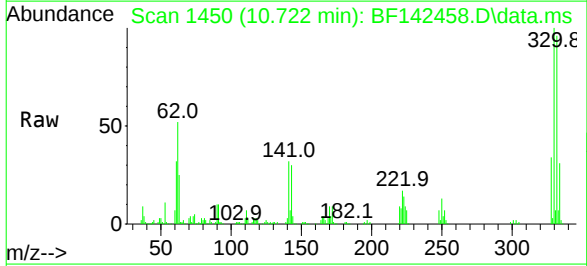
80 9.2 7.9 11.9



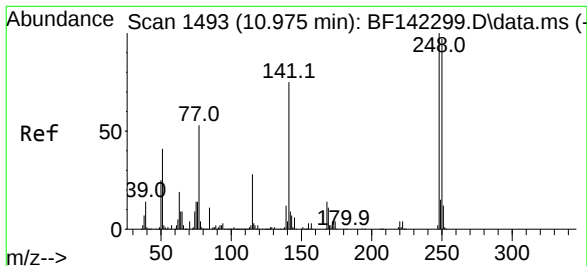
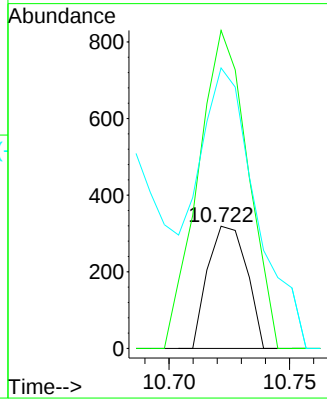
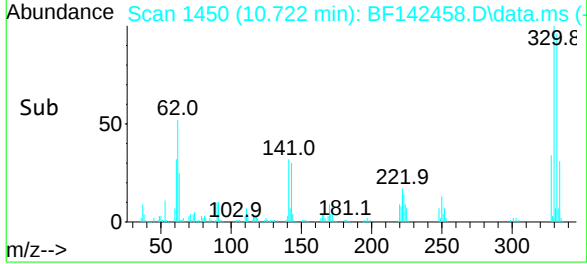


#65
4,6-Dinitro-2-methylphenol
Concen: 7.364 ng
RT: 10.722 min Scan# 1418
Delta R.T. 0.189 min
Lab File: BF142458.D
Acq: 19 May 2025 18:27

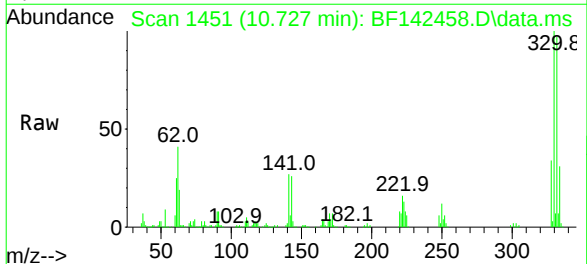
Instrument :
BNA_F
ClientSampleId :



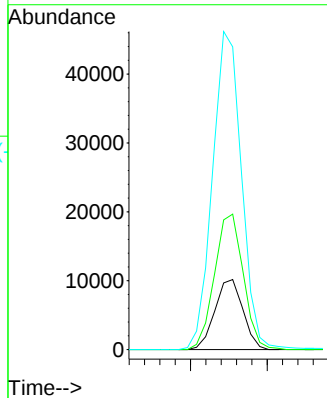
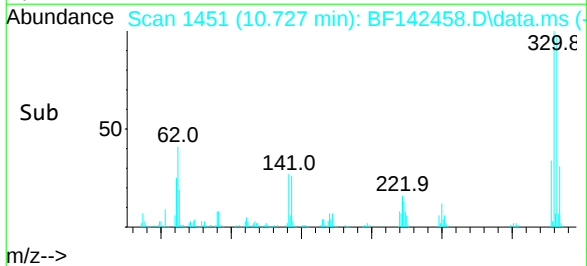
Tgt Ion:	198	Resp:	359
Ion	Ratio	Lower	Upper
198	100		
51	260.2	32.9	72.9#
105	229.5	23.7	63.7#

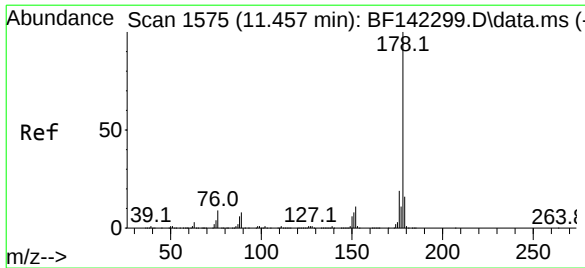


#67
4-Bromophenyl-phenylether
Concen: 3.123 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF142458.D
Acq: 19 May 2025 18:27



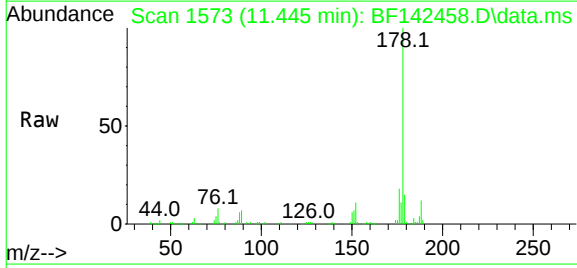
Tgt Ion:	248	Resp:	12949
Ion	Ratio	Lower	Upper
248	100		
250	193.4	77.9	116.9#
141	432.1	59.8	89.8#



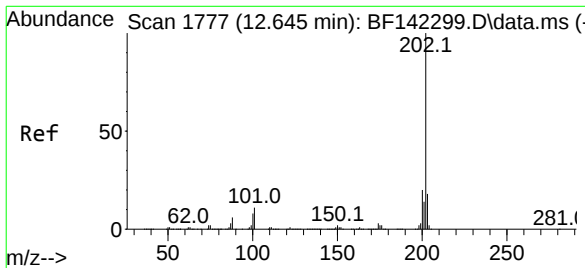
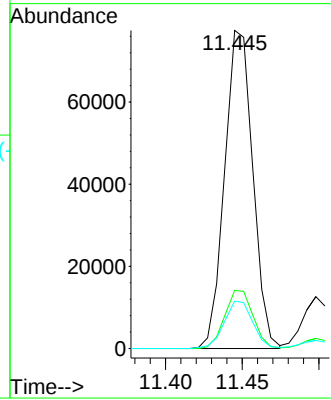
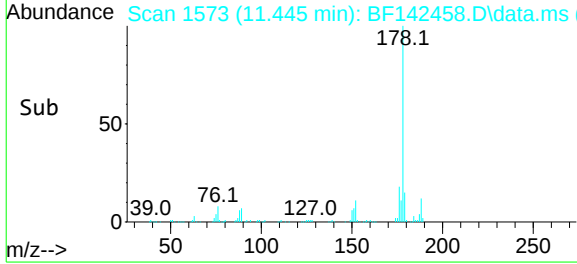


#71
Phenanthrene
Concen: 5.160 ng
RT: 11.445 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF142458.D
Acq: 19 May 2025 18:27

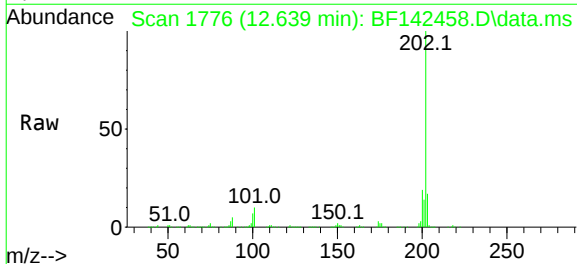
Instrument :
BNA_F
ClientSampleId :



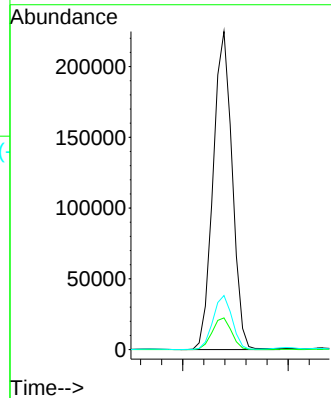
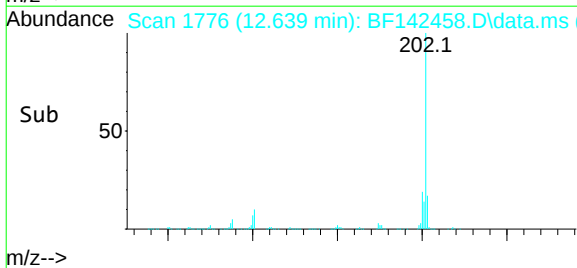
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.5	23.3
179	14.9	12.6	18.8

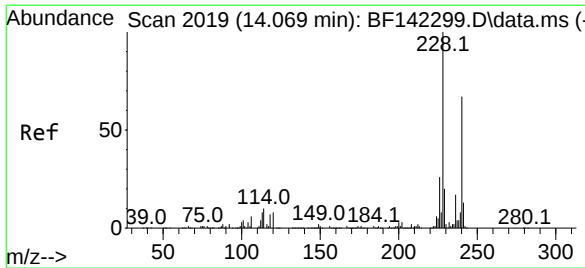


#75
Fluoranthene
Concen: 14.775 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142458.D
Acq: 19 May 2025 18:27



Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	31.4
203	17.0	0.0	37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.006 min

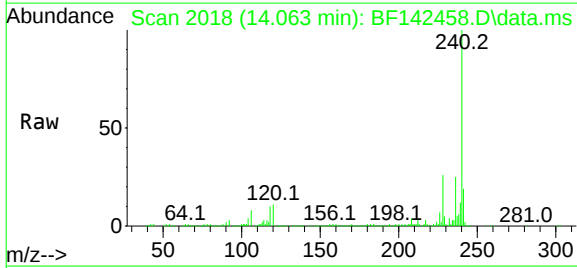
Lab File: BF142458.D

Acq: 19 May 2025 18:27

Instrument :

BNA_F

ClientSampleId :



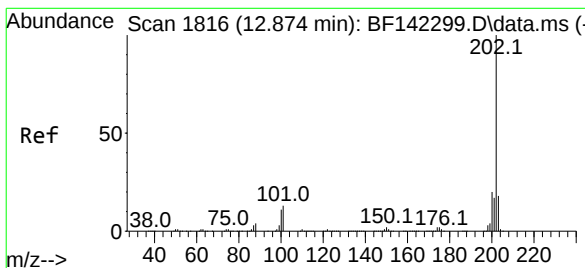
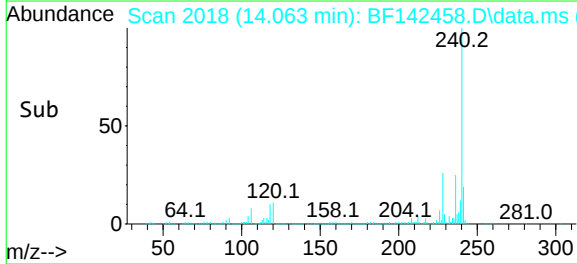
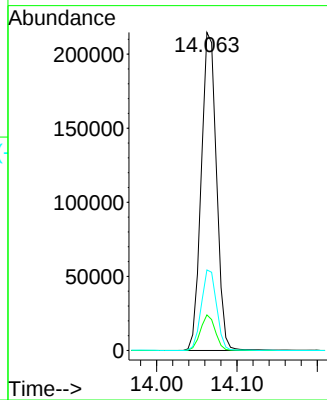
Tgt Ion:240 Resp: 283665

Ion Ratio Lower Upper

240 100

120 11.2 9.7 14.5

236 25.3 20.0 30.0



#78

Pyrene

Concen: 10.178 ng

RT: 12.869 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF142458.D

Acq: 19 May 2025 18:27

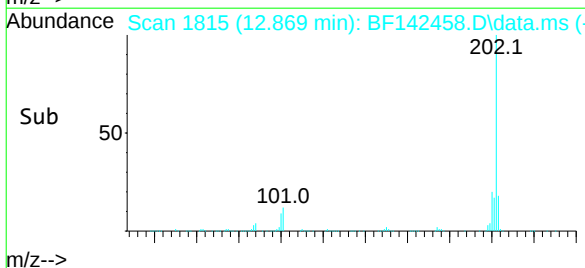
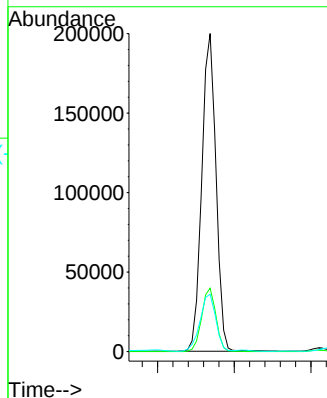
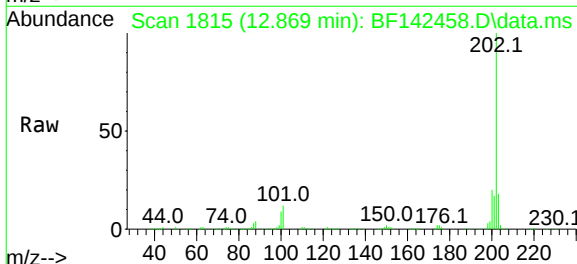
Tgt Ion:202 Resp: 256984

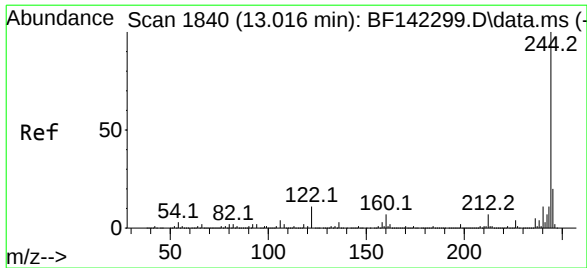
Ion Ratio Lower Upper

202 100

200 19.9 16.2 24.4

203 18.0 14.3 21.5





#79

Terphenyl-d14

Concen: 40.954 ng

RT: 13.010 min Scan# 18

Delta R.T. -0.006 min

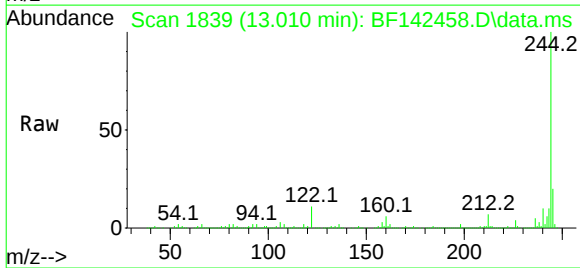
Lab File: BF142458.D

Acq: 19 May 2025 18:27

Instrument :

BNA_F

ClientSampleId :



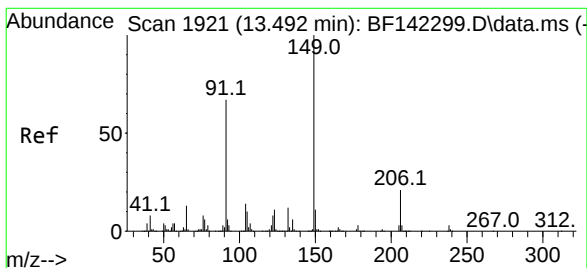
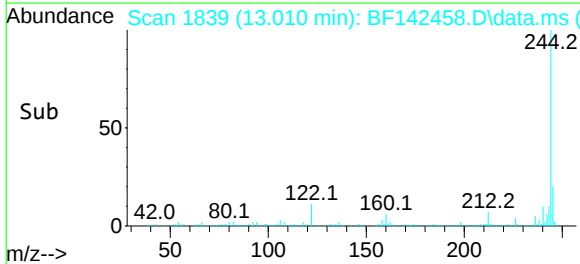
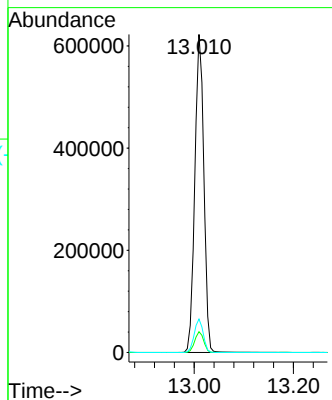
Tgt Ion:244 Resp: 784898

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.2

122 10.5 9.0 13.4



#80

Butylbenzylphthalate

Concen: 3.750 ng

RT: 13.486 min Scan# 1920

Delta R.T. -0.006 min

Lab File: BF142458.D

Acq: 19 May 2025 18:27

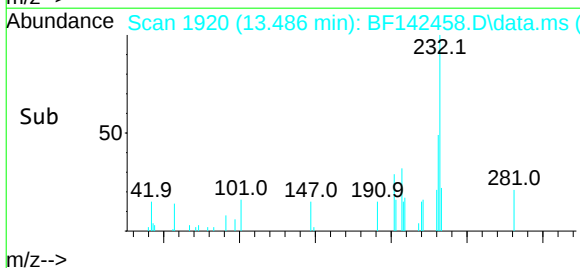
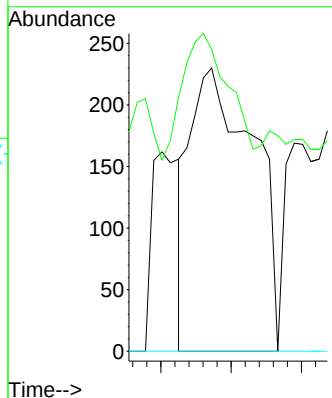
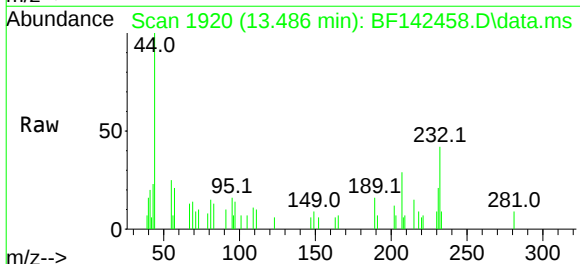
Tgt Ion:149 Resp: 723

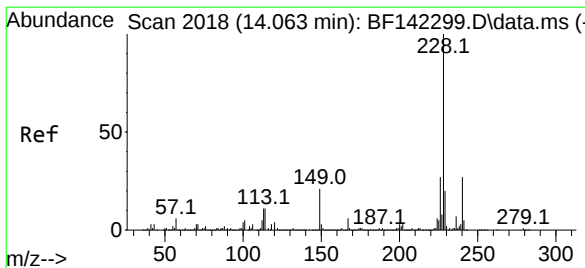
Ion Ratio Lower Upper

149 100

91 106.5 53.8 80.6#

206 0.0 16.6 24.8#





#81

Benzo(a)anthracene

Concen: 6.230 ng

RT: 14.057 min Scan# 20

Delta R.T. -0.006 min

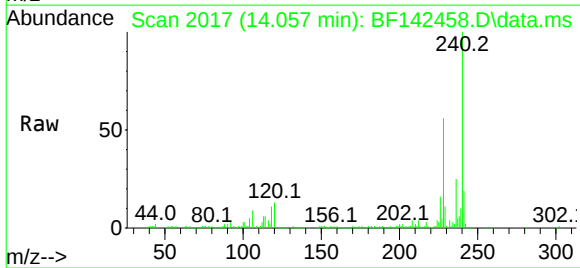
Lab File: BF142458.D

Acq: 19 May 2025 18:27

Instrument :

BNA_F

ClientSampleId :



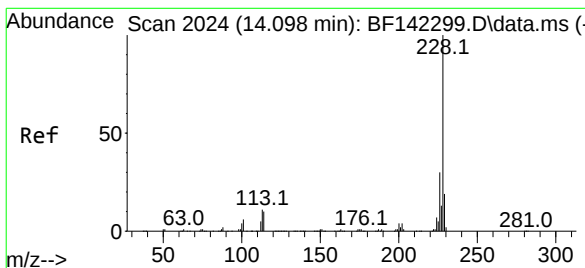
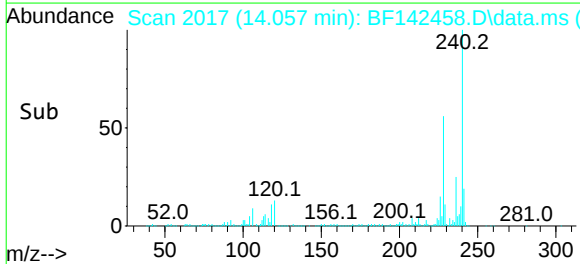
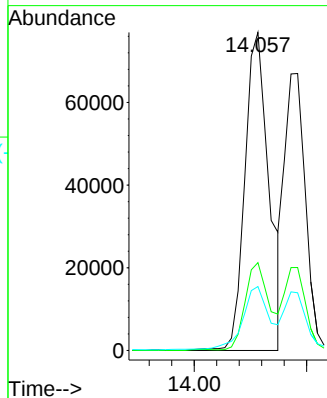
Tgt Ion:228 Resp: 114446

Ion Ratio Lower Upper

228 100

226 27.6 21.5 32.3

229 20.1 15.9 23.9



#83

Chrysene

Concen: 5.088 ng

RT: 14.092 min Scan# 2023

Delta R.T. -0.006 min

Lab File: BF142458.D

Acq: 19 May 2025 18:27

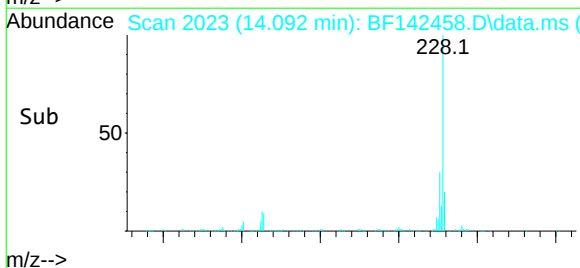
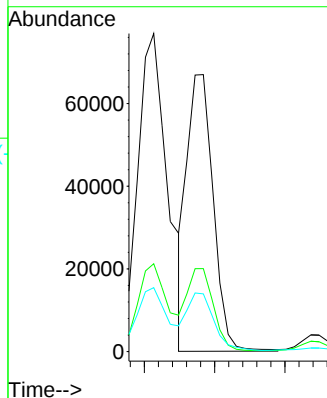
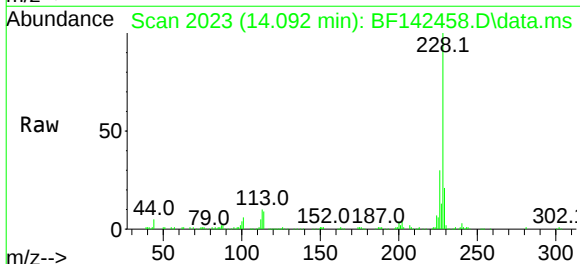
Tgt Ion:228 Resp: 87018

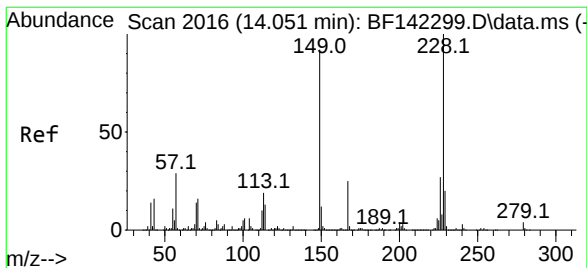
Ion Ratio Lower Upper

228 100

226 30.0 23.9 35.9

229 20.8 15.4 23.2





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.514 ng

RT: 14.045 min Scan# 2016

Delta R.T. -0.006 min

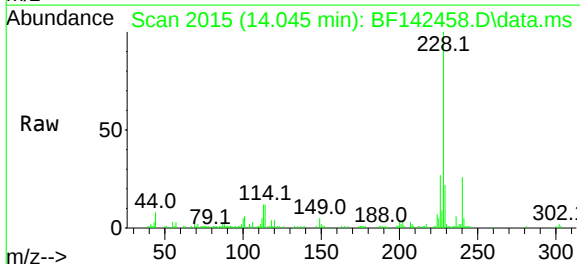
Lab File: BF142458.D

Acq: 19 May 2025 18:27

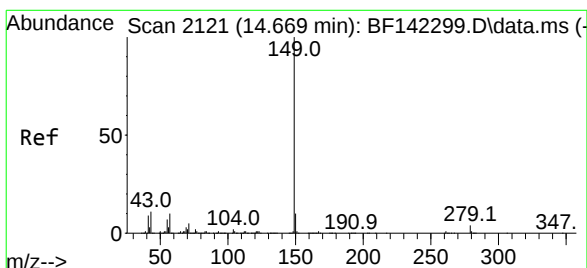
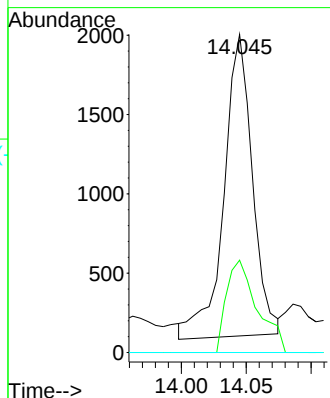
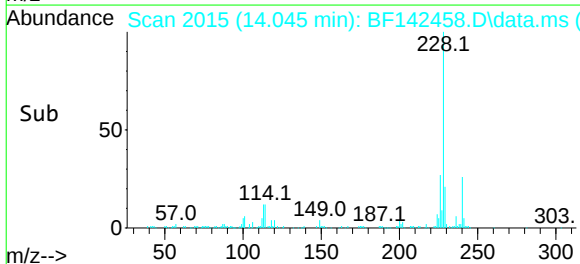
Instrument :

BNA_F

ClientSampleId :



Tgt Ion:	149	Resp:	2912
Ion Ratio	Lower	Upper	
149	100		
167	29.0	22.0	33.0
279	0.0	3.0	4.6#



#85

Di-n-octyl phthalate

Concen: 7.845 ng

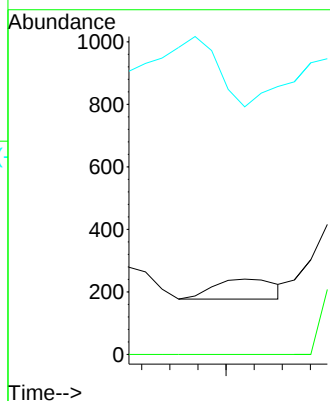
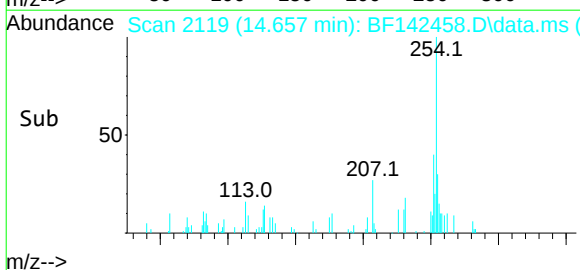
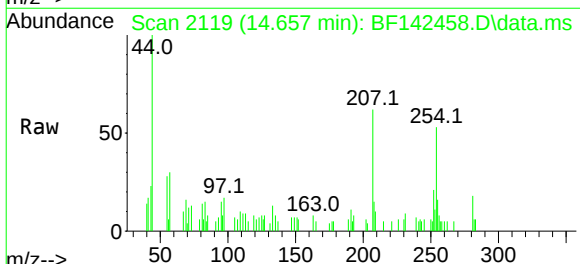
RT: 14.657 min Scan# 2119

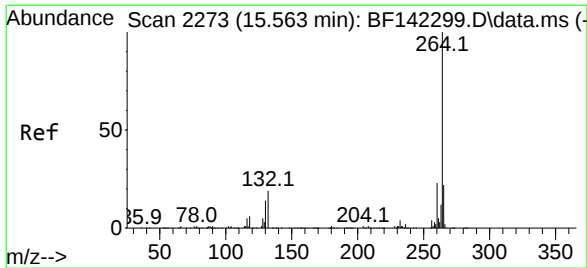
Delta R.T. -0.012 min

Lab File: BF142458.D

Acq: 19 May 2025 18:27

Tgt Ion:	149	Resp:	99
Ion Ratio	Lower	Upper	
149	100		
167	0.0	1.1	1.7#
43	337.4	9.2	13.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2273

Delta R.T. -0.006 min

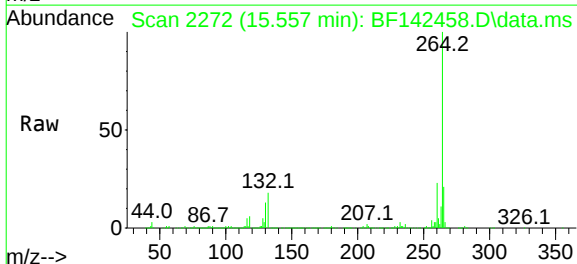
Lab File: BF142458.D

Acq: 19 May 2025 18:27

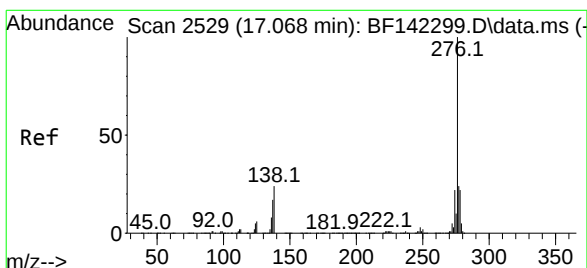
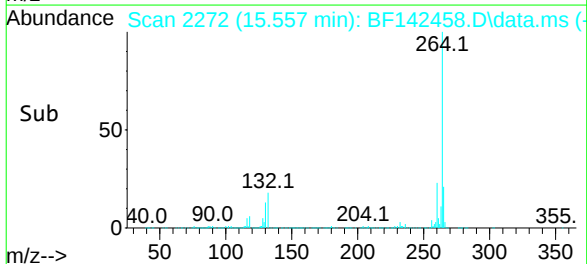
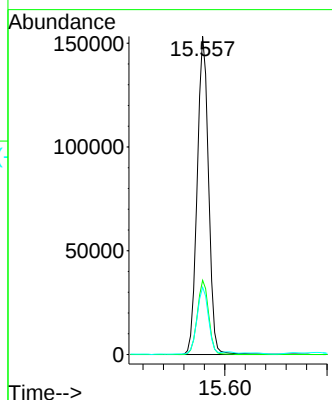
Instrument :

BNA_F

ClientSampleId :



Tgt Ion:	264	Resp:	236530
Ion Ratio	Lower	Upper	
264	100		
260	23.3	18.6	27.8
265	21.1	17.5	26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.523 ng

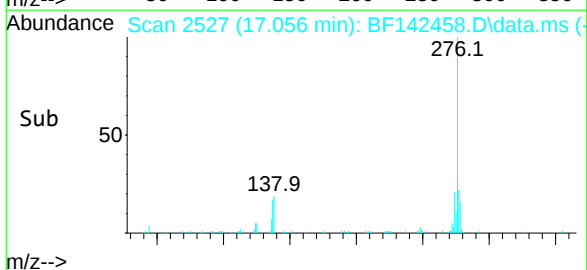
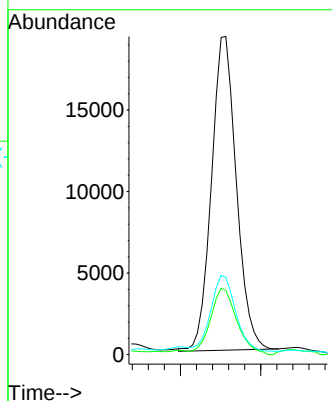
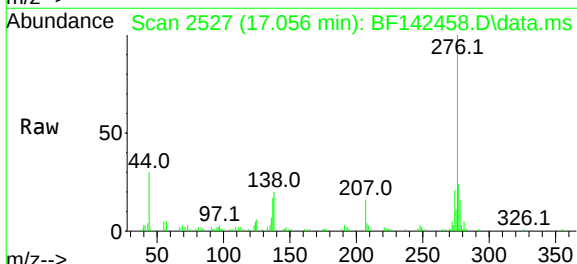
RT: 17.056 min Scan# 2527

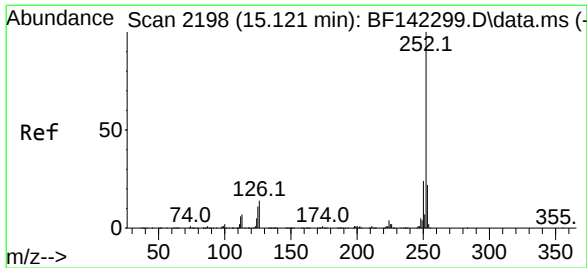
Delta R.T. -0.012 min

Lab File: BF142458.D

Acq: 19 May 2025 18:27

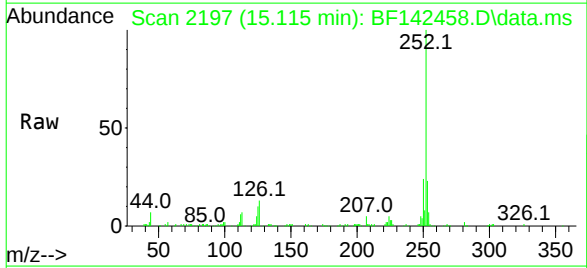
Tgt Ion:	276	Resp:	41515
Ion Ratio	Lower	Upper	
276	100		
138	22.4	22.0	33.0
277	24.6	20.1	30.1



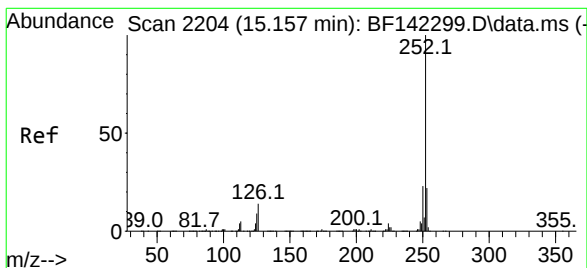
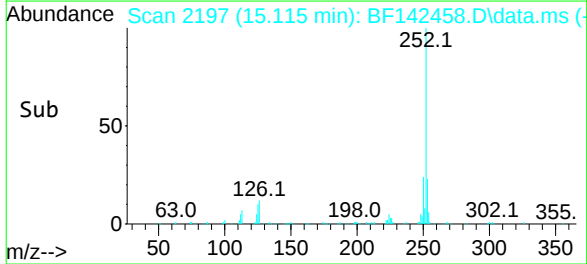
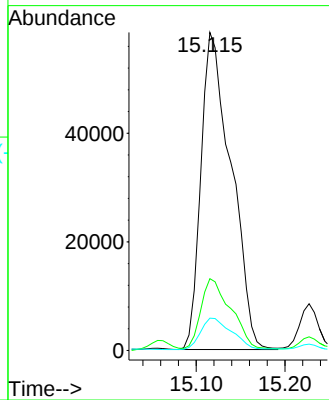


#88
Benzo(b)fluoranthene
Concen: 9.640 ng
RT: 15.115 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF142458.D
Acq: 19 May 2025 18:27

Instrument :
BNA_F
ClientSampleId :

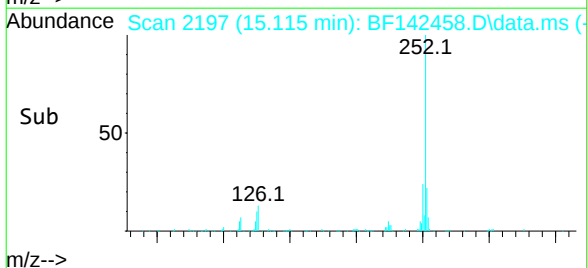
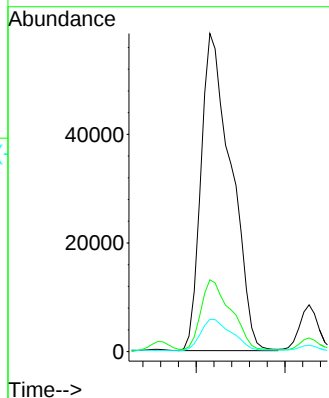
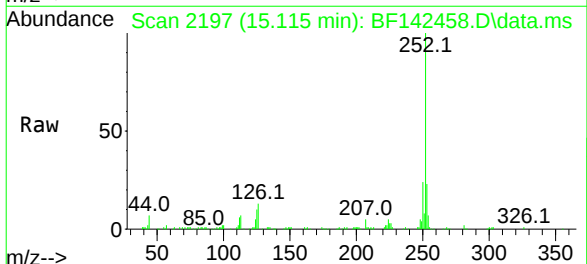


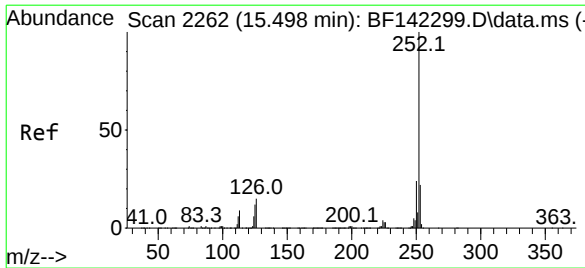
Tgt Ion:252 Resp: 138097
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 10.2 8.7 13.1



#89
Benzo(k)fluoranthene
Concen: 10.534 ng
RT: 15.115 min Scan# 2197
Delta R.T. -0.041 min
Lab File: BF142458.D
Acq: 19 May 2025 18:27

Tgt Ion:252 Resp: 138097
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 10.2 8.1 12.1





#90

Benzo(a)pyrene

Concen: 5.700 ng

RT: 15.492 min Scan# 2262

Delta R.T. -0.006 min

Lab File: BF142458.D

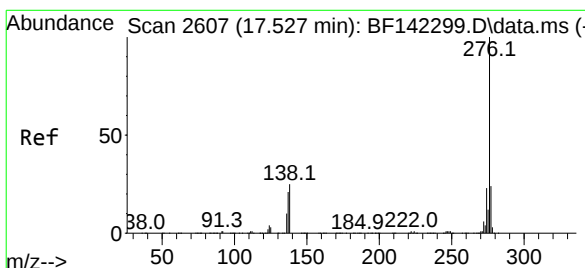
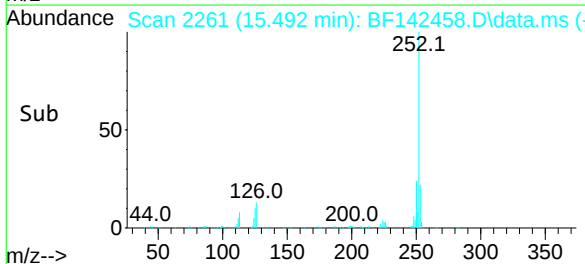
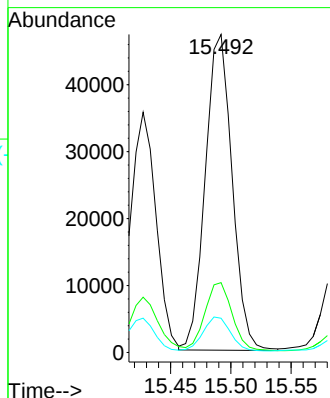
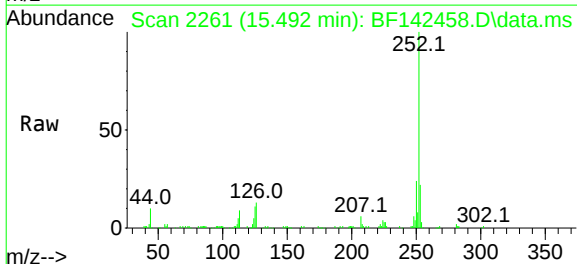
Acq: 19 May 2025 18:27

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	252	Resp:	73169
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.8	26.6
125	10.8	9.4	14.0



#92

Benzo(g,h,i)perylene

Concen: 3.040 ng

RT: 17.509 min Scan# 2604

Delta R.T. -0.018 min

Lab File: BF142458.D

Acq: 19 May 2025 18:27

Tgt Ion:	276	Resp:	41015
Ion Ratio	Lower	Upper	
276	100		
277	25.1	19.0	28.6
138	21.6	19.8	29.6

