

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051925\
 Data File : BF142447.D
 Acq On : 19 May 2025 13:08
 Operator : RC/JU
 Sample : Q2032-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 19 13:43:56 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)

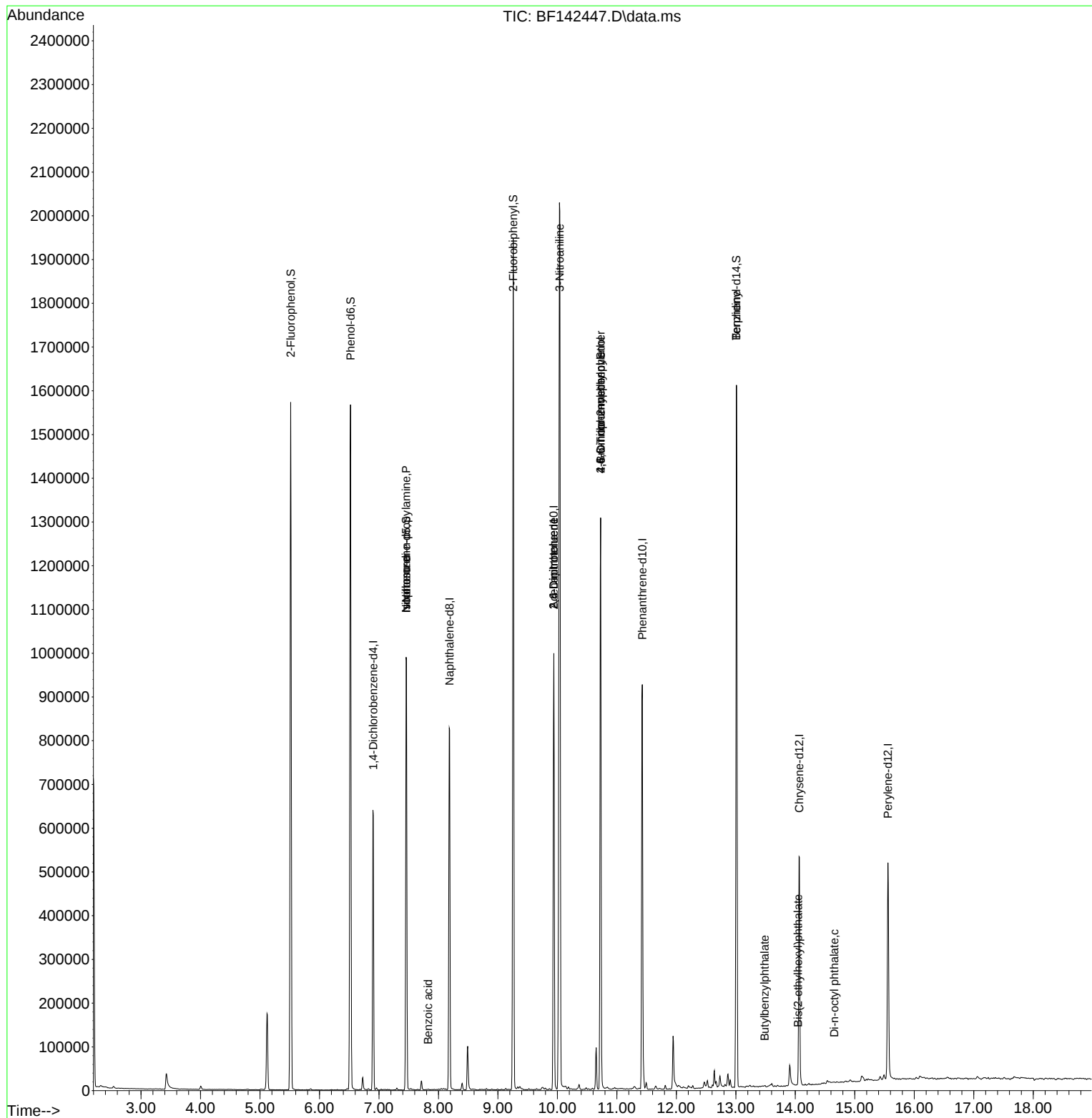
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	142420	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	552520	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	298328	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	493987	20.000	ng	0.00
76) Chrysene-d12	14.068	240	263579	20.000	ng	0.00
86) Perylene-d12	15.557	264	296604	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	601055	72.044	ng	0.00
7) Phenol-d6	6.522	99	747693	72.866	ng	0.00
23) Nitrobenzene-d5	7.457	82	431671	47.648	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	237694	82.524	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	869008	41.535	ng	0.00
79) Terphenyl-d14	13.010	244	777869	43.681	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	57278	9.024	ng	# 76
25) Isophorone	7.457	82	420732	24.524	ng	# 62
32) Benzoic acid	7.828	122	355	6.093	ng	# 1
51) 2,6-Dinitrotoluene	9.939	165	38561	10.754	ng	# 23
53) 3-Nitroaniline	10.039	138	23980	5.702	ng	# 3
57) 2,4-Dinitrotoluene	9.939	165	38561	8.384	ng	# 24
65) 4,6-Dinitro-2-methylph...	10.727	198	423	7.341	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	14446	2.580	ng	# 1
77) Benzidine	13.010	184	9971	2.082	ng	# 94
80) Butylbenzylphthalate	13.486	149	258	3.694	ng	# 12
84) Bis(2-ethylhexyl)phtha...	14.045	149	816	4.320	ng	# 91
85) Di-n-octyl phthalate	14.657	149	1061	7.895	ng	# 82

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

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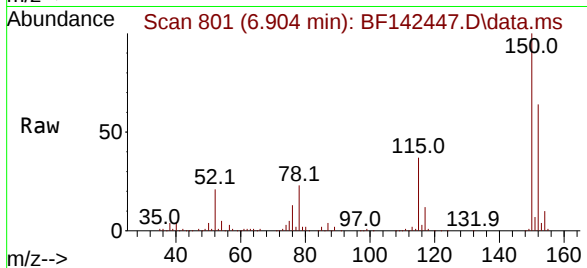
Quant Time: May 19 13:43:56 2025
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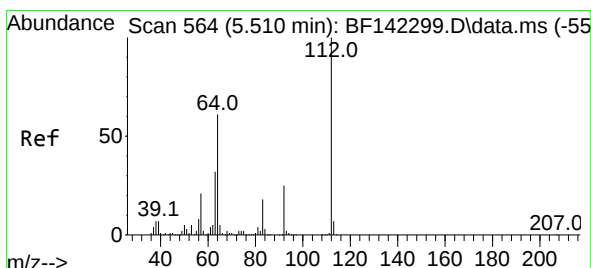
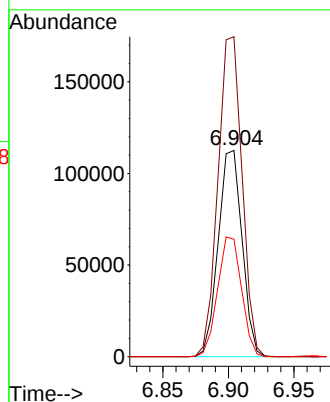
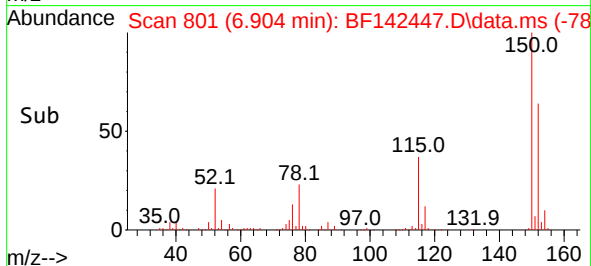


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: BF142447.D
 Acq: 19 May 2025 13:08

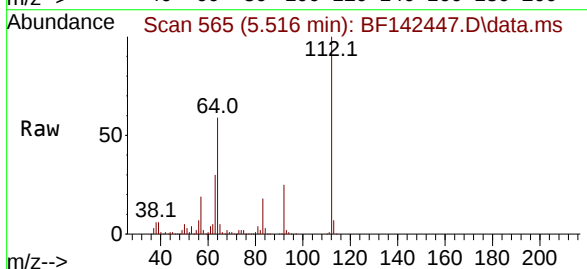
Instrument :
 BNA_F
 ClientSampleId :



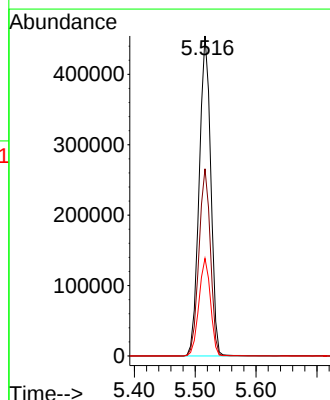
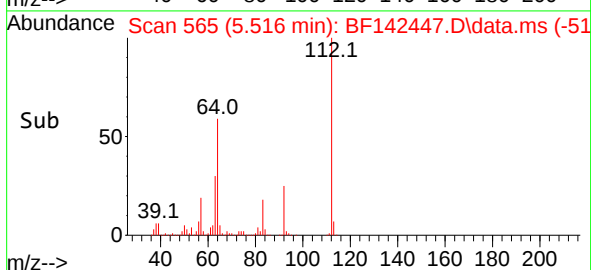
Tgt Ion:152 Resp: 142420
 Ion Ratio Lower Upper
 152 100
 150 155.1 126.6 190.0
 115 56.9 47.3 70.9

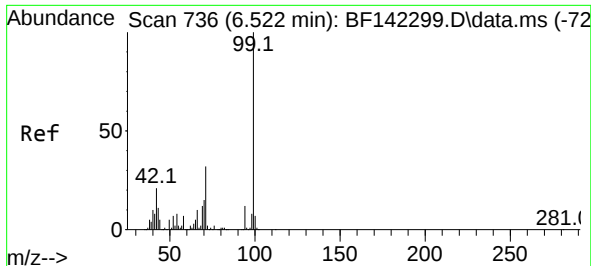


#5
 2-Fluorophenol
 Concen: 72.044 ng
 RT: 5.516 min Scan# 565
 Delta R.T. 0.006 min
 Lab File: BF142447.D
 Acq: 19 May 2025 13:08



Tgt Ion:112 Resp: 601055
 Ion Ratio Lower Upper
 112 100
 64 58.5 48.9 73.3
 63 30.5 25.6 38.4



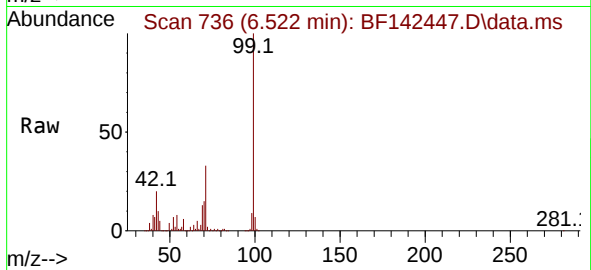


#7
Phenol-d6
Concen: 72.866 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF142447.D
Acq: 19 May 2025 13:08

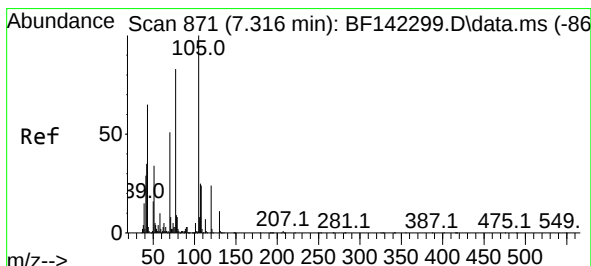
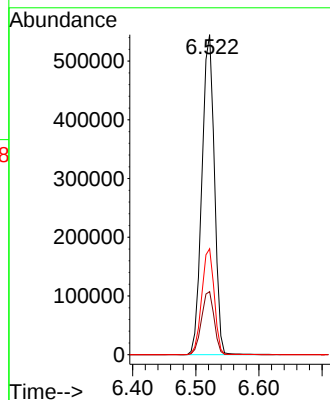
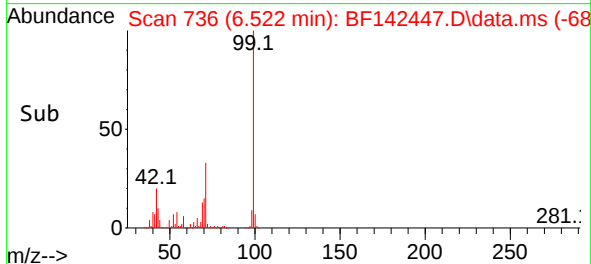
Instrument :

BNA_F

ClientSampleId :

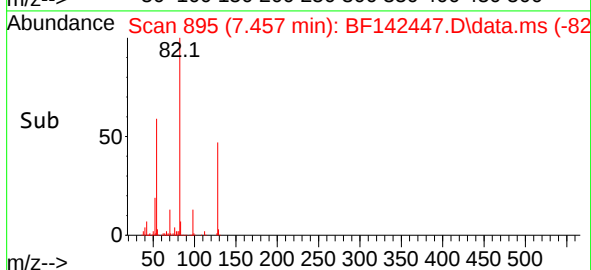
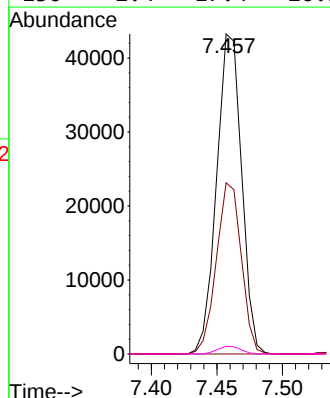
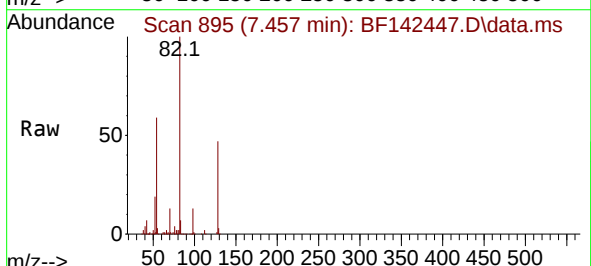


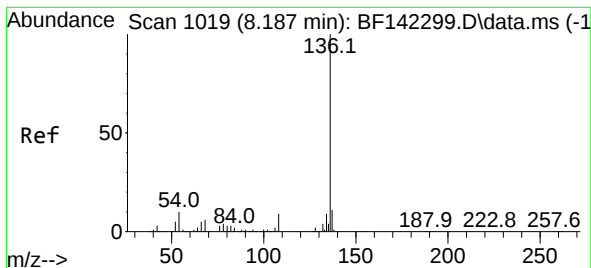
Tgt Ion	Ratio	Lower	Upper
99	100		
42	19.7	17.0	25.4
71	33.1	25.8	38.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.024 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF142447.D
Acq: 19 May 2025 13:08

Tgt Ion	Ratio	Lower	Upper
70	100		
42	53.5	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

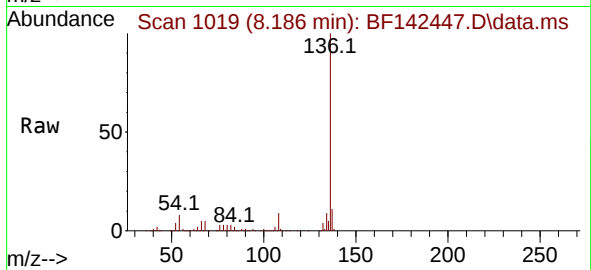
Lab File: BF142447.D

Acq: 19 May 2025 13:08

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:136 Resp: 552520

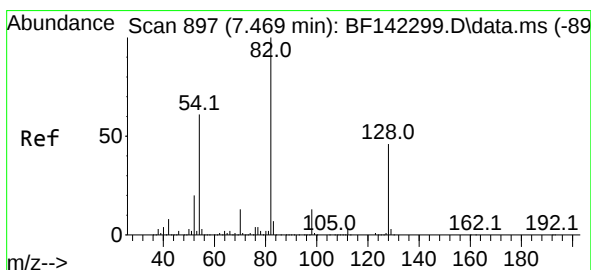
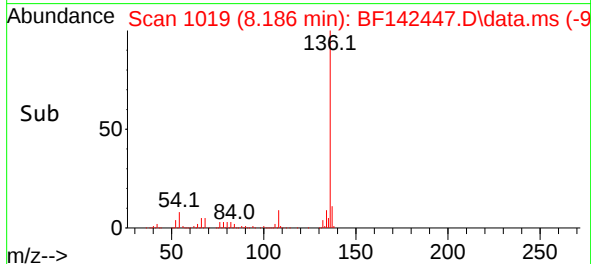
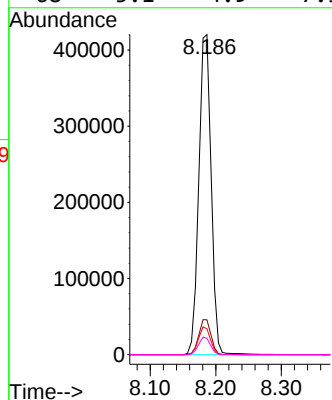
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.1 7.7 11.5

68 5.1 4.9 7.3



#23

Nitrobenzene-d5

Concen: 47.648 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF142447.D

Acq: 19 May 2025 13:08

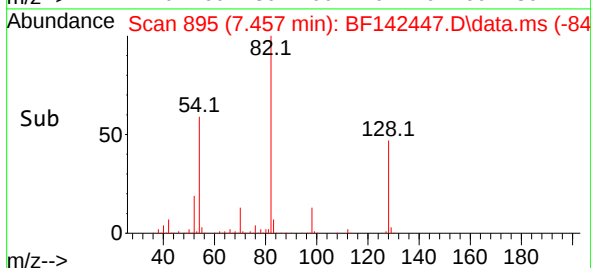
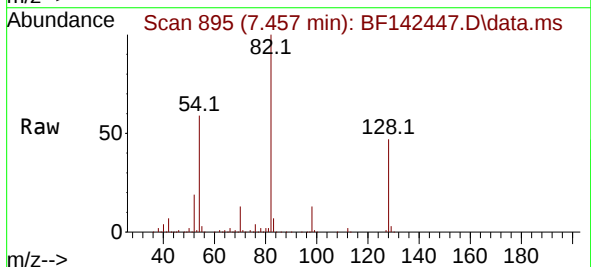
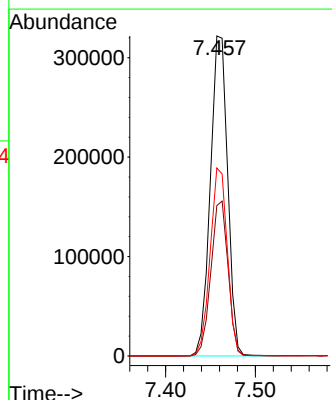
Tgt Ion: 82 Resp: 431671

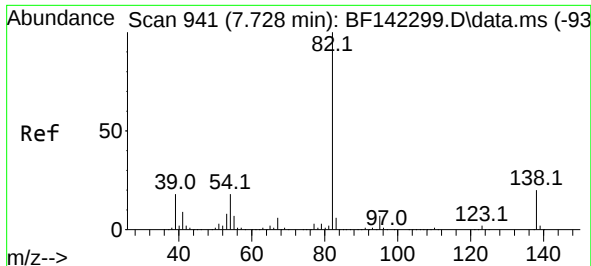
Ion Ratio Lower Upper

82 100

128 47.0 37.0 55.6

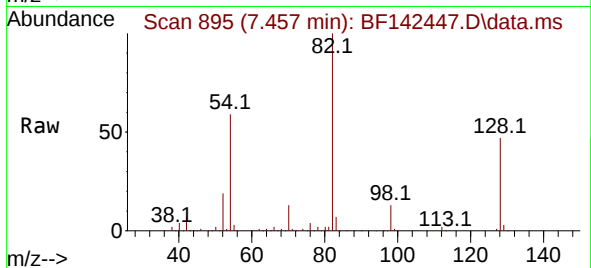
54 58.7 48.6 73.0



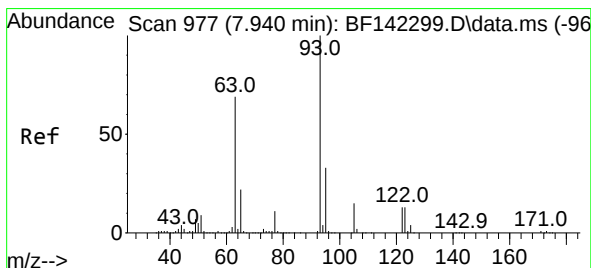
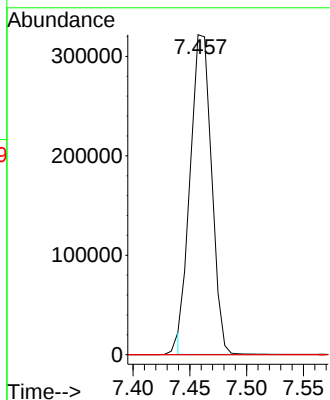
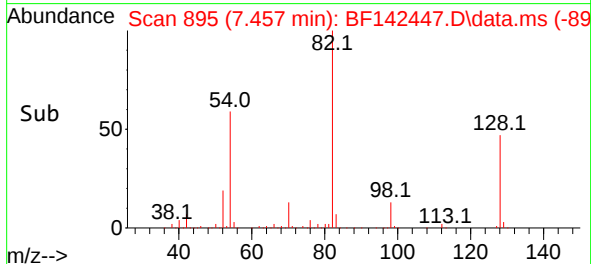


#25
Isophorone
Concen: 24.524 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF142447.D
Acq: 19 May 2025 13:08

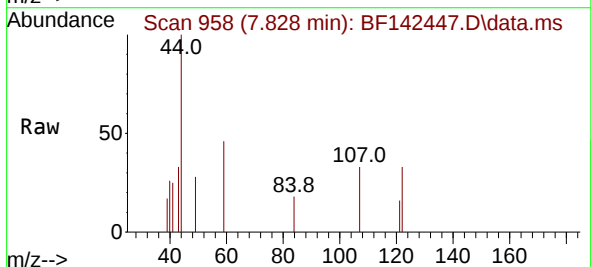
Instrument :
BNA_F
ClientSampleId :



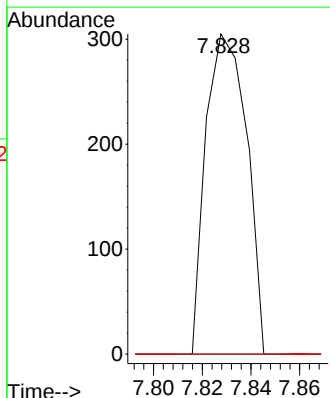
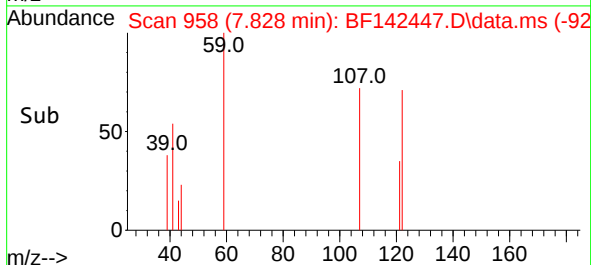
Tgt Ion: 82 Resp: 420732
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#

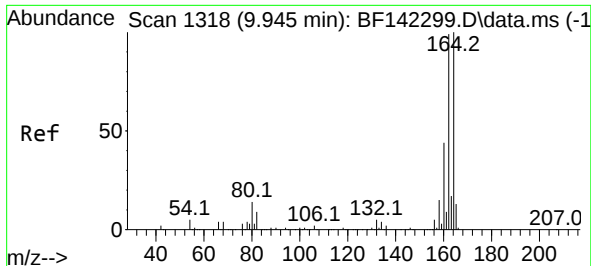


#32
Benzoic acid
Concen: 6.093 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.112 min
Lab File: BF142447.D
Acq: 19 May 2025 13:08



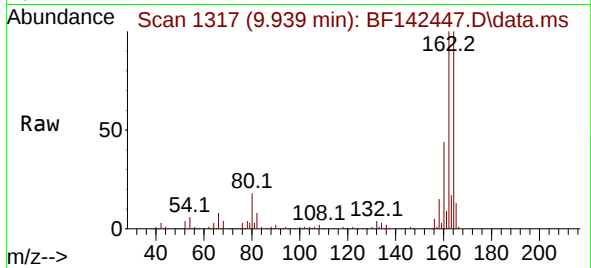
Tgt Ion:122 Resp: 355
Ion Ratio Lower Upper
122 100
105 0.0 97.9 137.9#
77 0.0 67.7 107.7#



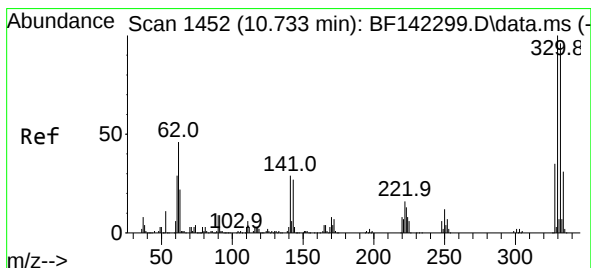
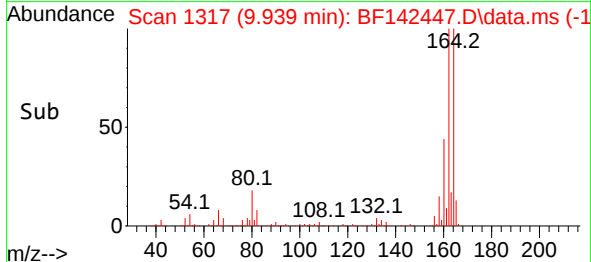
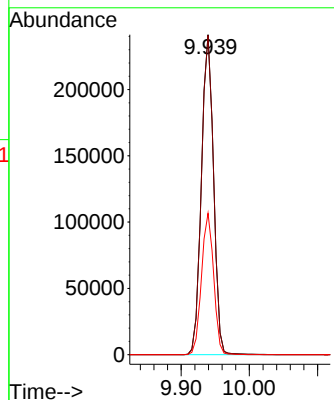


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142447.D
Acq: 19 May 2025 13:08

Instrument :
BNA_F
ClientSampleId :

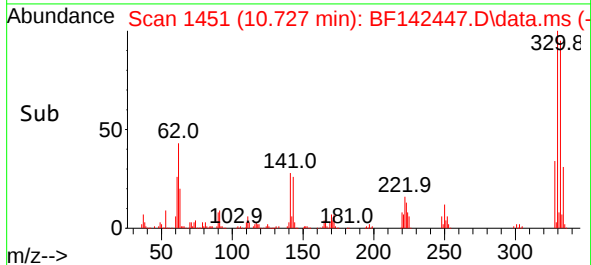
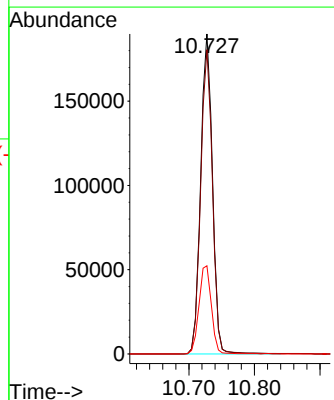
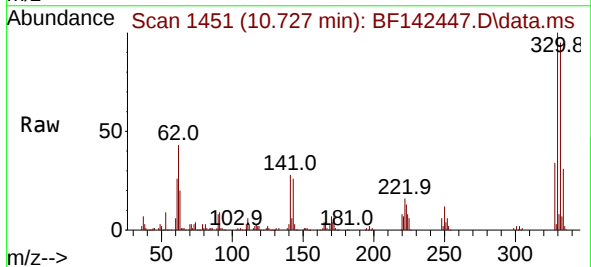


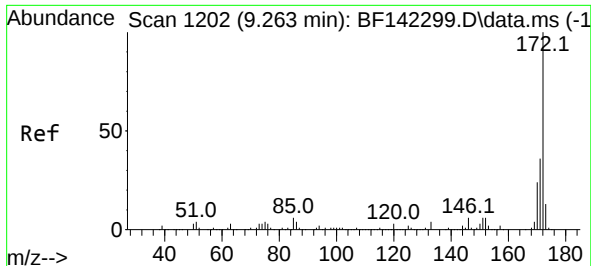
Tgt Ion:164 Resp: 298328
Ion Ratio Lower Upper
164 100
162 99.8 79.2 118.8
160 44.2 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 82.524 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142447.D
Acq: 19 May 2025 13:08

Tgt Ion:330 Resp: 237694
Ion Ratio Lower Upper
330 100
332 95.6 76.8 115.2
141 29.1 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 41.535 ng

RT: 9.257 min Scan# 1317

Delta R.T. -0.006 min

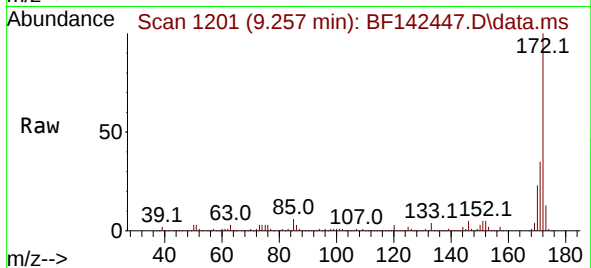
Lab File: BF142447.D

Acq: 19 May 2025 13:08

Instrument :

BNA_F

ClientSampleId :



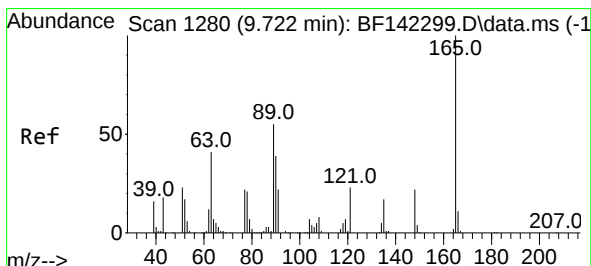
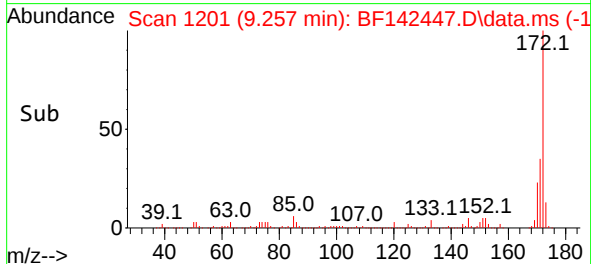
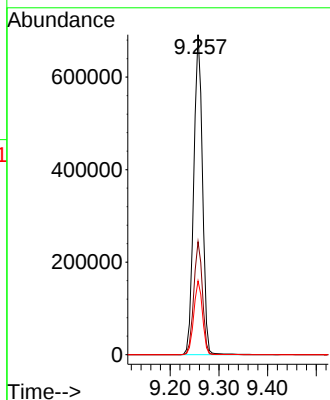
Tgt Ion:172 Resp: 869008

Ion Ratio Lower Upper

172 100

171 35.3 28.6 42.8

170 23.1 19.0 28.4



#51

2,6-Dinitrotoluene

Concen: 10.754 ng

RT: 9.939 min Scan# 1317

Delta R.T. 0.217 min

Lab File: BF142447.D

Acq: 19 May 2025 13:08

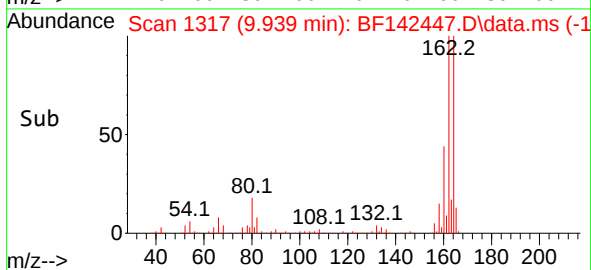
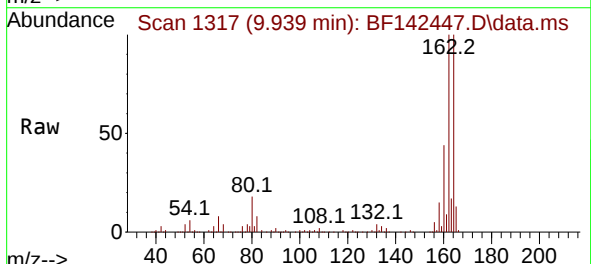
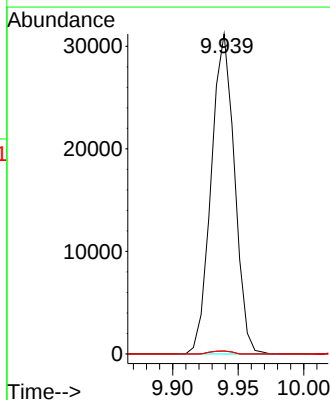
Tgt Ion:165 Resp: 38561

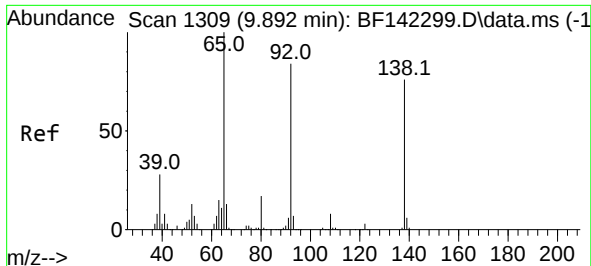
Ion Ratio Lower Upper

165 100

63 0.9 49.5 74.3#

89 0.9 44.6 66.8#

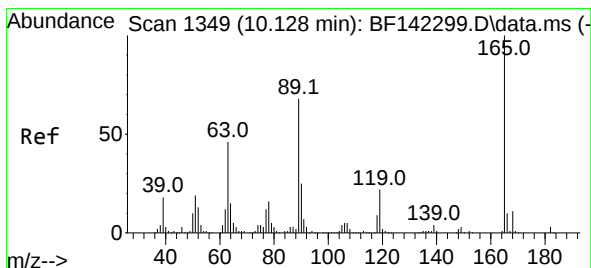
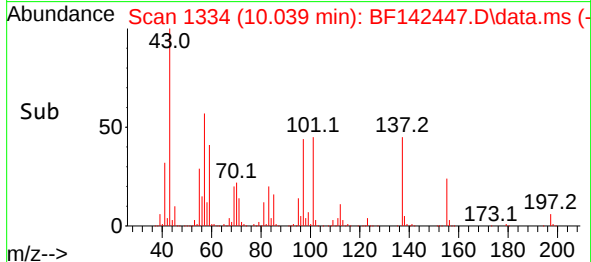
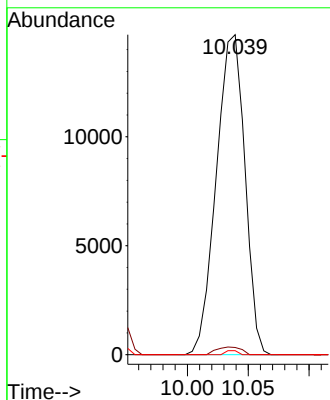
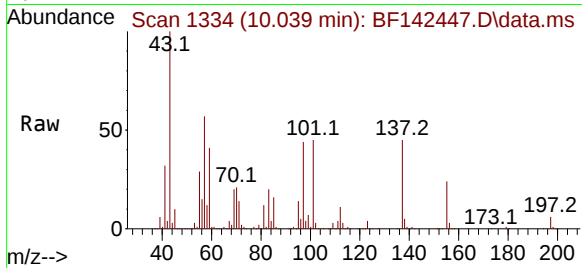




#53
3-Nitroaniline
Concen: 5.702 ng
RT: 10.039 min Scan# 11
Delta R.T. 0.147 min
Lab File: BF142447.D
Acq: 19 May 2025 13:08

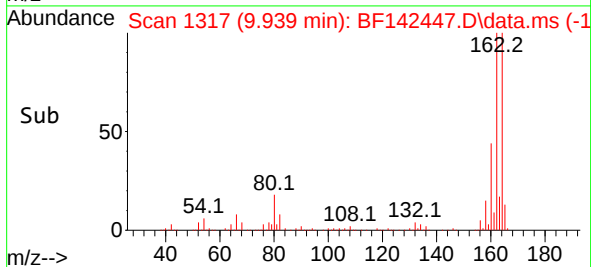
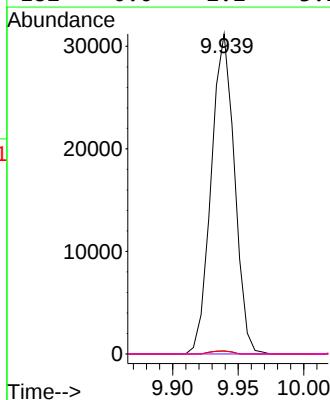
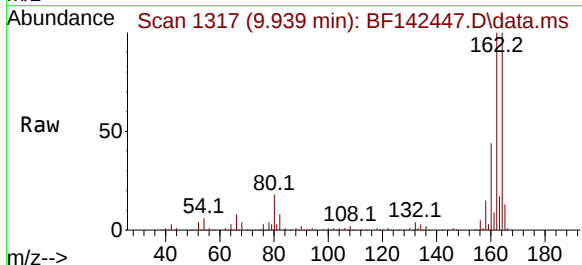
Instrument :
BNA_F
ClientSampleId :

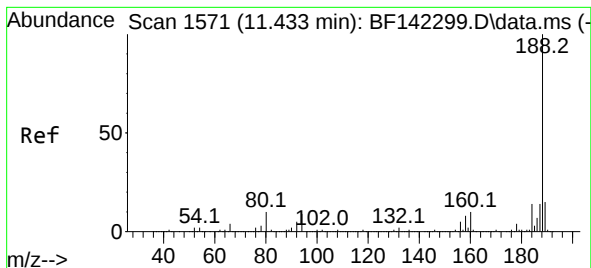
Tgt Ion:138 Resp: 23980
Ion Ratio Lower Upper
138 100
108 2.3 8.7 13.1#
92 1.2 89.5 134.3#



#57
2,4-Dinitrotoluene
Concen: 8.384 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.188 min
Lab File: BF142447.D
Acq: 19 May 2025 13:08

Tgt Ion:165 Resp: 38561
Ion Ratio Lower Upper
165 100
63 0.9 37.1 55.7#
89 0.9 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: BF142447.D

Acq: 19 May 2025 13:08

Instrument :

BNA_F

ClientSampleId :

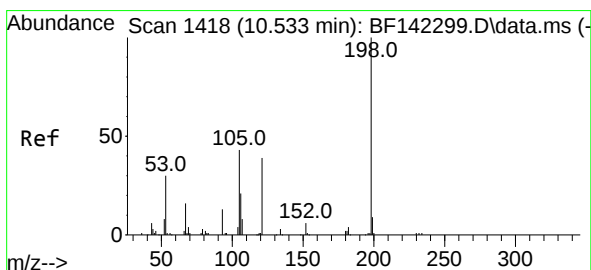
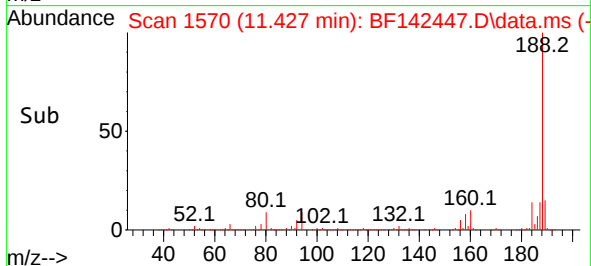
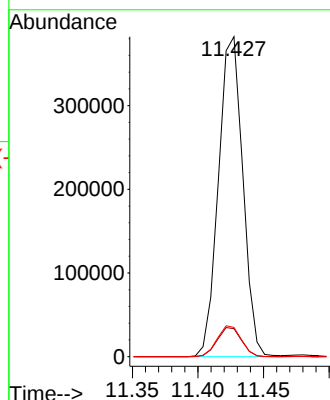
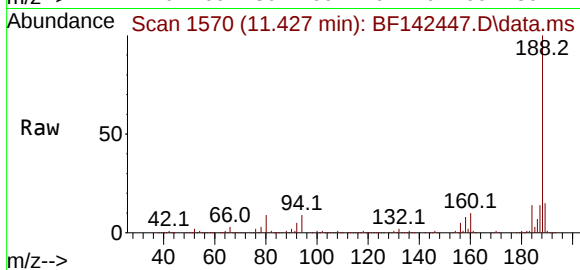
Tgt Ion:188 Resp: 493987

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: 7.341 ng

RT: 10.727 min Scan# 1451

Delta R.T. 0.194 min

Lab File: BF142447.D

Acq: 19 May 2025 13:08

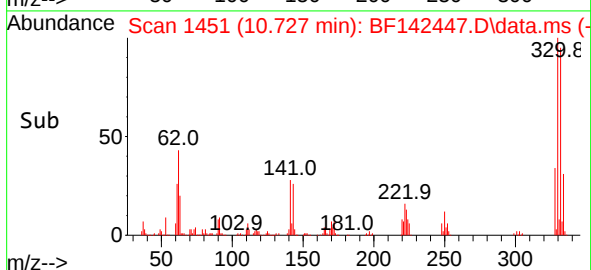
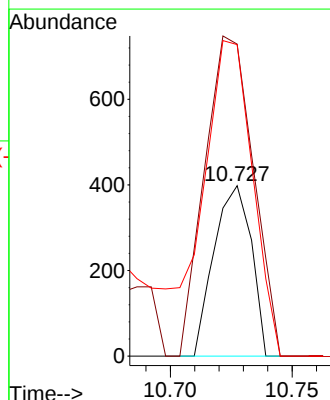
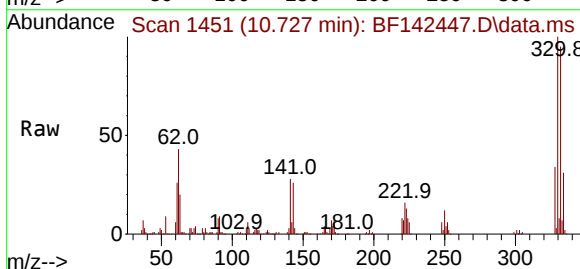
Tgt Ion:198 Resp: 423

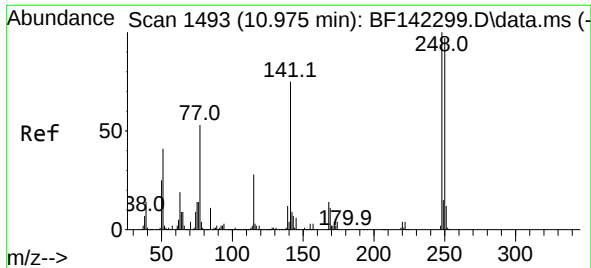
Ion Ratio Lower Upper

198 100

51 183.2 32.9 72.9#

105 182.9 23.7 63.7#

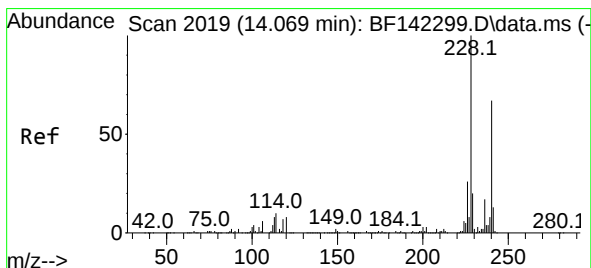
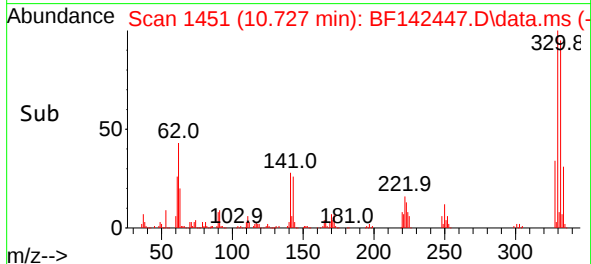
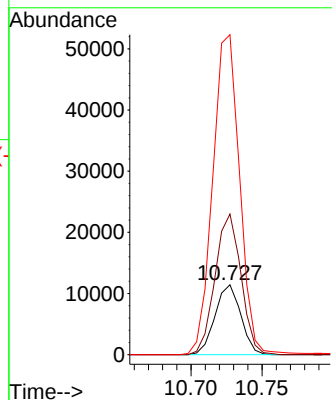
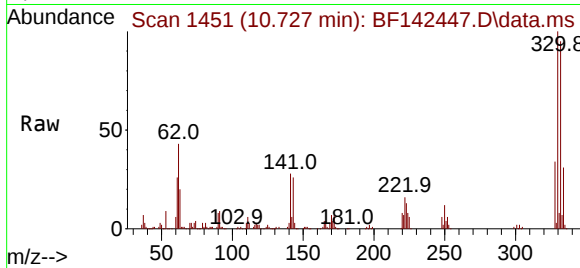




#67
4-Bromophenyl-phenylether
Concen: 2.580 ng
RT: 10.727 min Scan# 141
Delta R.T. -0.247 min
Lab File: BF142447.D
Acq: 19 May 2025 13:08

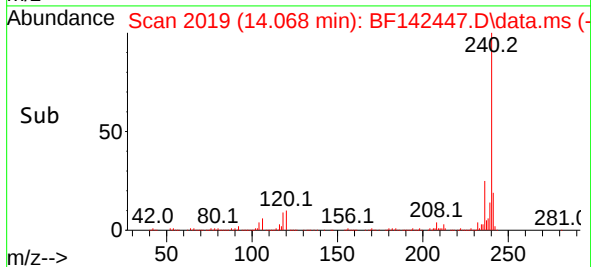
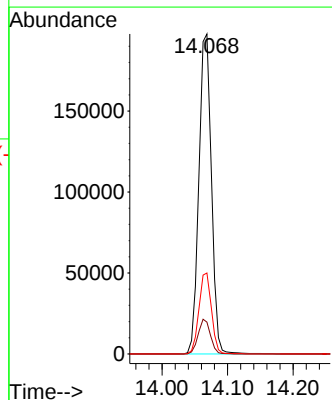
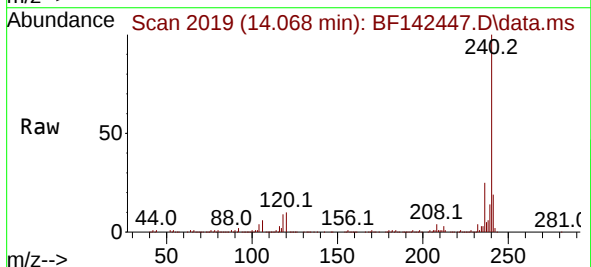
Instrument :
BNA_F
ClientSampleId :

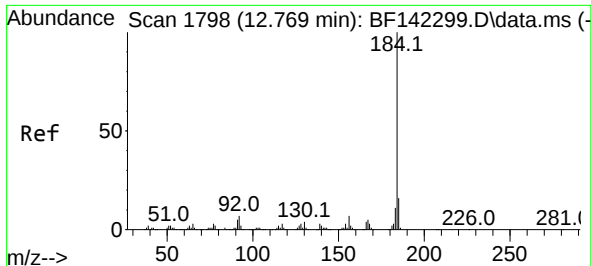
Tgt Ion:248 Resp: 14446
Ion Ratio Lower Upper
248 100
250 201.3 77.9 116.9#
141 457.7 59.8 89.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF142447.D
Acq: 19 May 2025 13:08

Tgt Ion:240 Resp: 263579
Ion Ratio Lower Upper
240 100
120 9.9 9.7 14.5
236 25.3 20.0 30.0

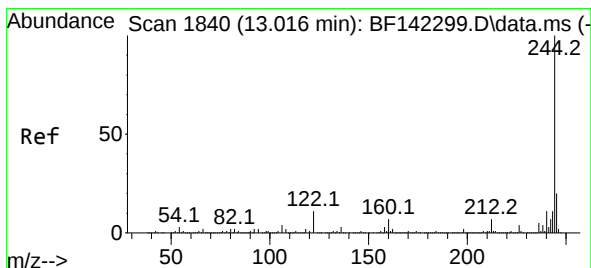
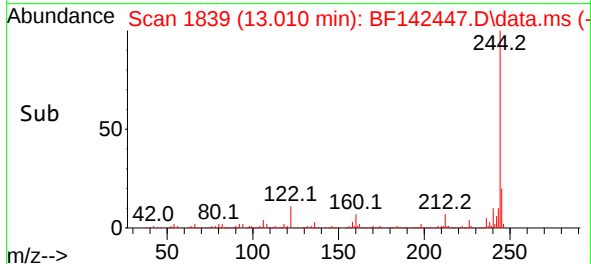
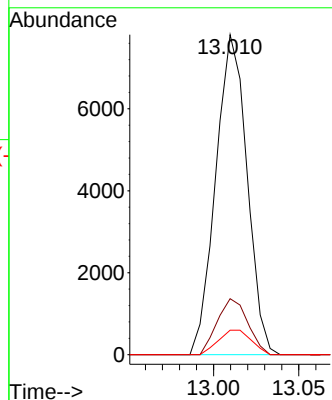
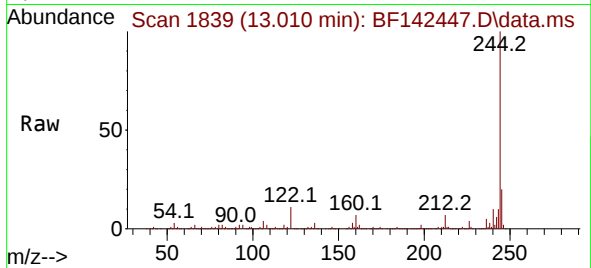




#77
Benzidine
Concen: 2.082 ng
RT: 13.010 min Scan# 1839
Delta R.T. 0.241 min
Lab File: BF142447.D
Acq: 19 May 2025 13:08

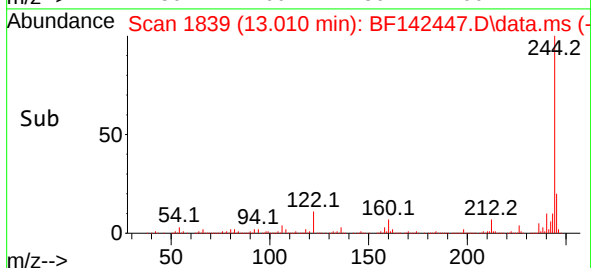
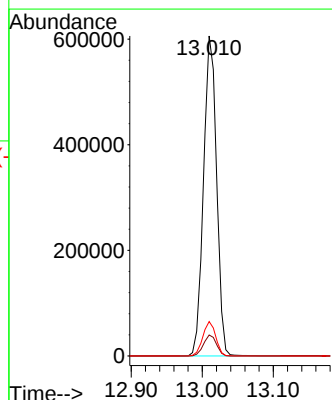
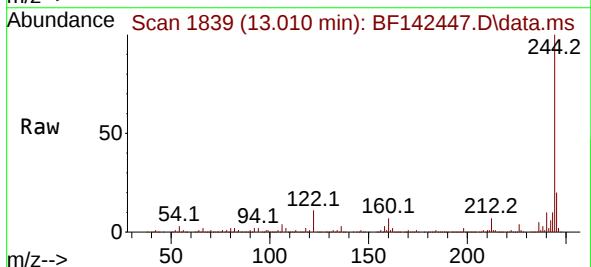
Instrument :
BNA_F
ClientSampleId :

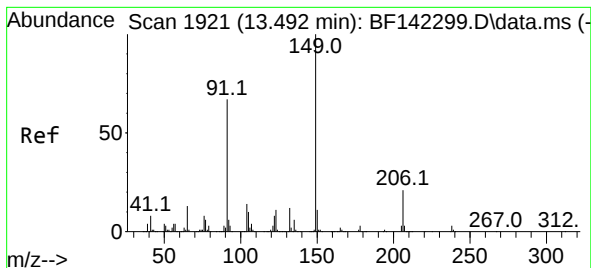
Tgt Ion:184 Resp: 9971
Ion Ratio Lower Upper
184 100
185 17.5 12.6 18.8
183 7.6 8.6 12.8#



#79
Terphenyl-d14
Concen: 43.681 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142447.D
Acq: 19 May 2025 13:08

Tgt Ion:244 Resp: 777869
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.2
122 10.8 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.694 ng

RT: 13.486 min Scan# 1921

Delta R.T. -0.006 min

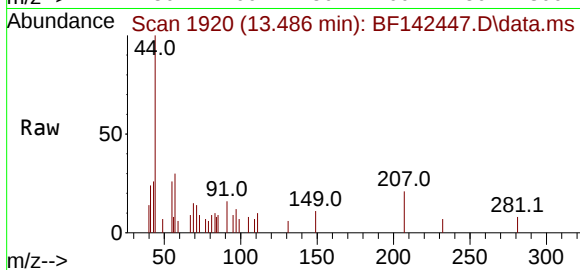
Lab File: BF142447.D

Acq: 19 May 2025 13:08

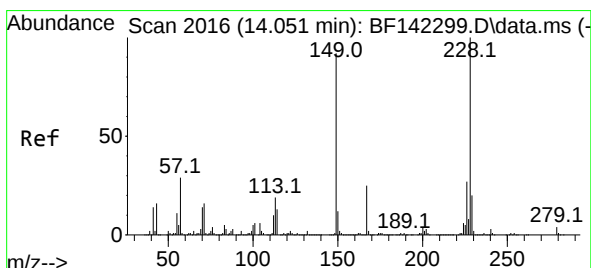
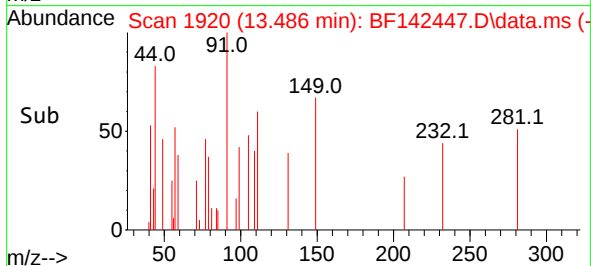
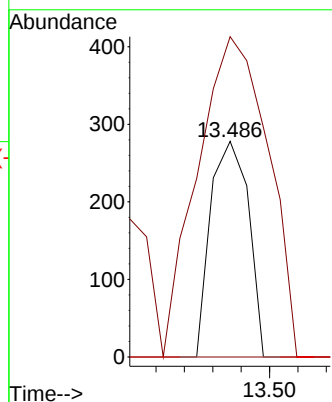
Instrument :

BNA_F

ClientSampleId :



Tgt Ion:	149	Resp:	258
Ion	Ratio	Lower	Upper
149	100		
91	148.6	53.8	80.6#
206	0.0	16.6	24.8#



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.320 ng

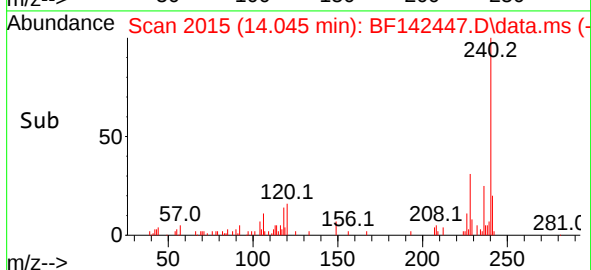
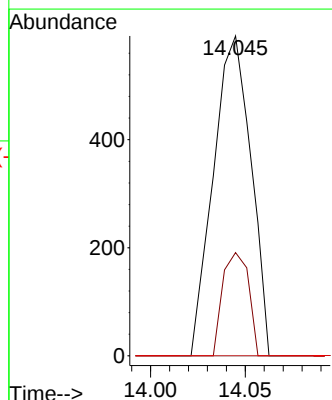
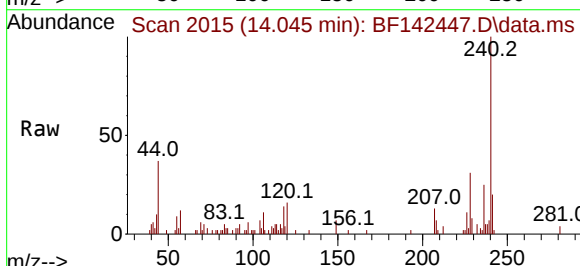
RT: 14.045 min Scan# 2015

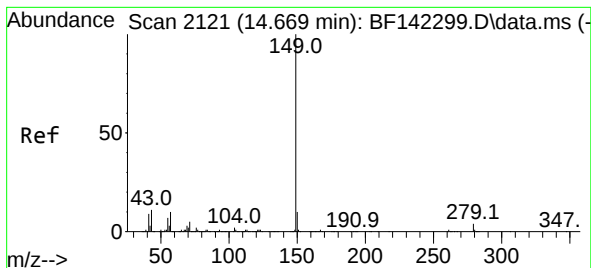
Delta R.T. -0.006 min

Lab File: BF142447.D

Acq: 19 May 2025 13:08

Tgt Ion:	149	Resp:	816
Ion	Ratio	Lower	Upper
149	100		
167	32.3	22.0	33.0
279	0.0	3.0	4.6#





#85

Di-n-octyl phthalate

Concen: 7.895 ng

RT: 14.657 min Scan# 2119

Delta R.T. -0.012 min

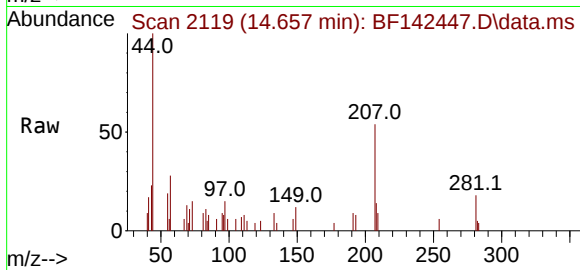
Lab File: BF142447.D

Acq: 19 May 2025 13:08

Instrument :

BNA_F

ClientSampleId :



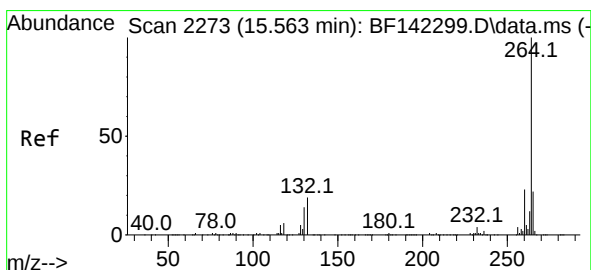
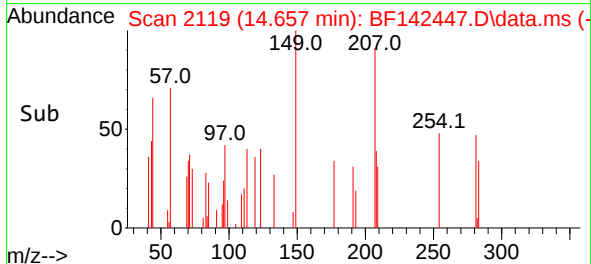
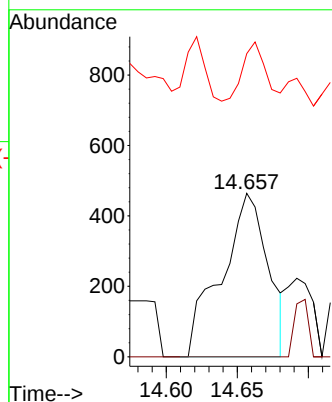
Tgt Ion:149 Resp: 1061

Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

43 19.1 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: BF142447.D

Acq: 19 May 2025 13:08

Tgt Ion:264 Resp: 296604

Ion Ratio Lower Upper

264 100

260 23.4 18.6 27.8

265 21.6 17.5 26.3

