

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051925\
 Data File : BF142446.D
 Acq On : 19 May 2025 12:39
 Operator : RC/JU
 Sample : Q2032-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 19 13:19:41 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)

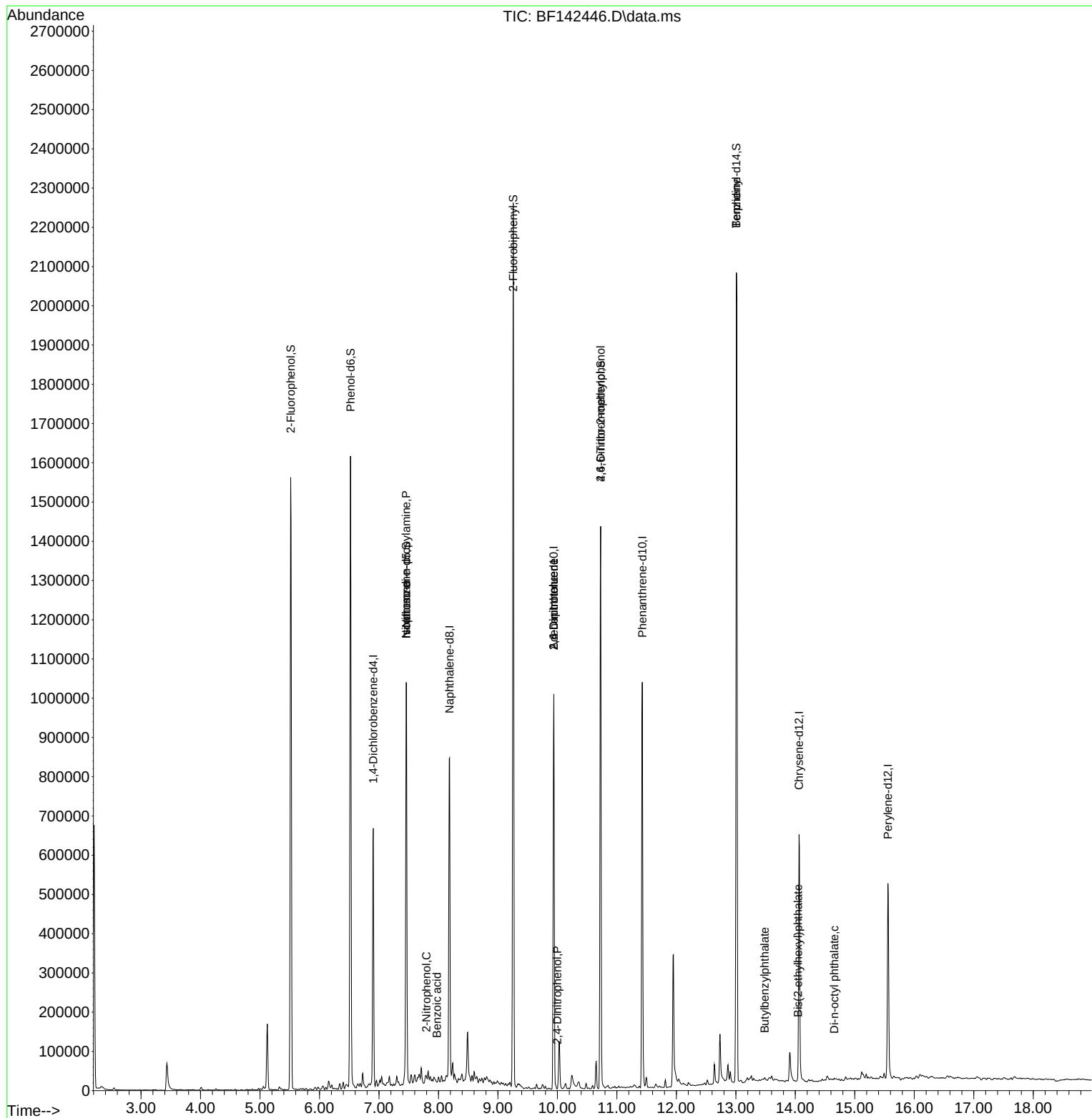
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	141508	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	539614	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	301091	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	542415	20.000	ng	0.00
76) Chrysene-d12	14.063	240	308431	20.000	ng	0.00
86) Perylene-d12	15.557	264	297161	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	605818	73.083	ng	0.00
7) Phenol-d6	6.522	99	755416	74.094	ng	0.00
23) Nitrobenzene-d5	7.457	82	450507	50.916	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	261901	90.094	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1006881	47.683	ng	0.00
79) Terphenyl-d14	13.010	244	1042244	50.015	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	63476	10.065	ng	# 76
25) Isophorone	7.457	82	436967	26.080	ng	# 63
26) 2-Nitrophenol	7.798	139	824	4.275	ng	# 9
32) Benzoic acid	7.975	122	176	6.055	ng	# 21
51) 2,6-Dinitrotoluene	9.939	165	38090	10.525	ng	# 23
54) 2,4-Dinitrophenol	9.998	184	113	7.716	ng	# 1
57) 2,4-Dinitrotoluene	9.939	165	38090	8.205	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.727	198	508	7.356	ng	# 1
77) Benzidine	13.010	184	12397	2.212	ng	95
80) Butylbenzylphthalate	13.486	149	1488	3.831	ng	94
84) Bis(2-ethylhexyl)phtha...	14.045	149	2470	4.453	ng	# 98
85) Di-n-octyl phthalate	14.657	149	1520	7.907	ng	# 45

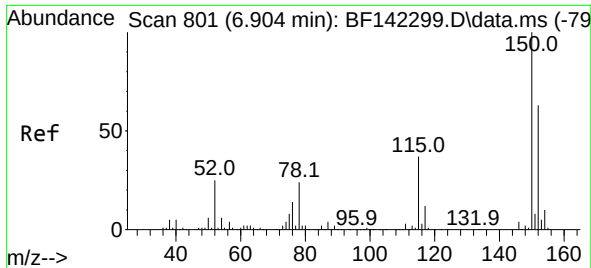
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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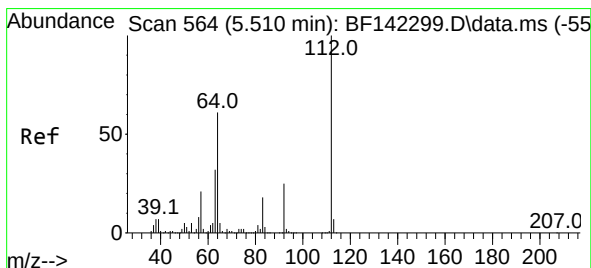
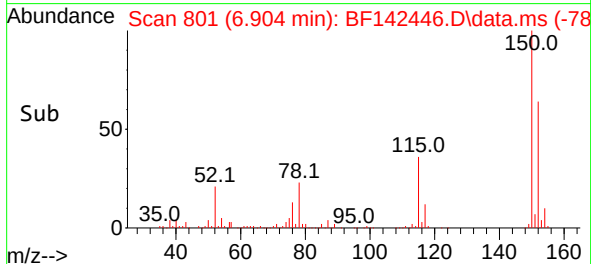
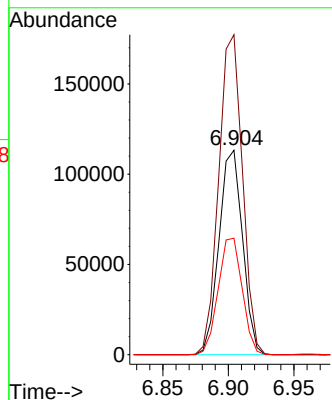
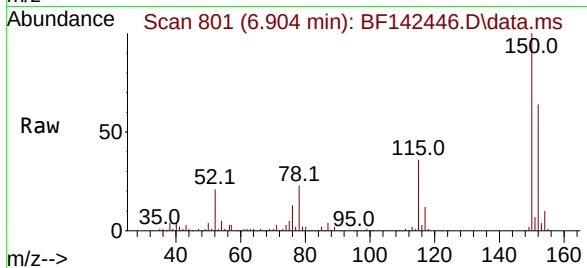




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: BF142446.D
 Acq: 19 May 2025 12:39

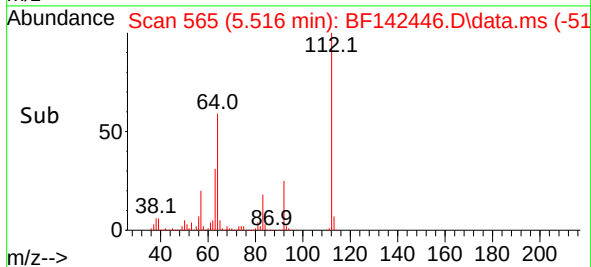
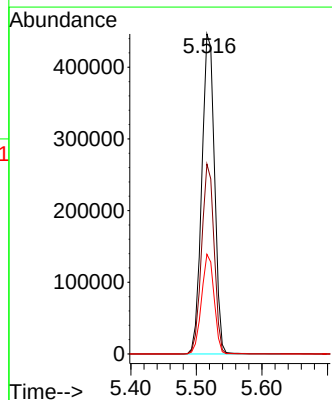
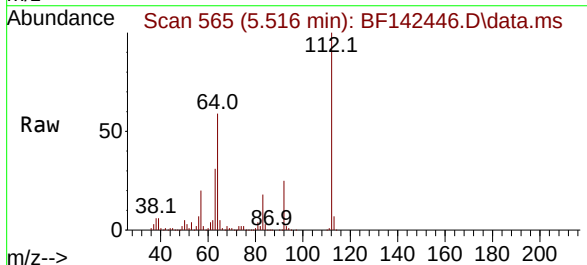
Instrument :
 BNA_F
 ClientSampleId :

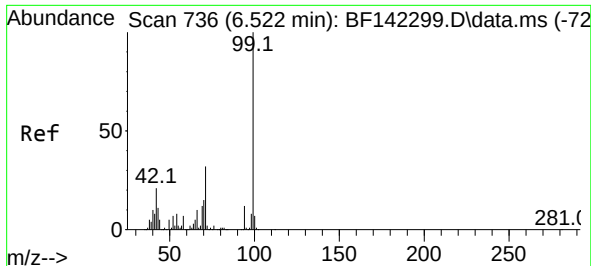
Tgt Ion:152 Resp: 141508
 Ion Ratio Lower Upper
 152 100
 150 156.5 126.6 190.0
 115 57.0 47.3 70.9



#5
 2-Fluorophenol
 Concen: 73.083 ng
 RT: 5.516 min Scan# 565
 Delta R.T. 0.006 min
 Lab File: BF142446.D
 Acq: 19 May 2025 12:39

Tgt Ion:112 Resp: 605818
 Ion Ratio Lower Upper
 112 100
 64 59.4 48.9 73.3
 63 31.2 25.6 38.4

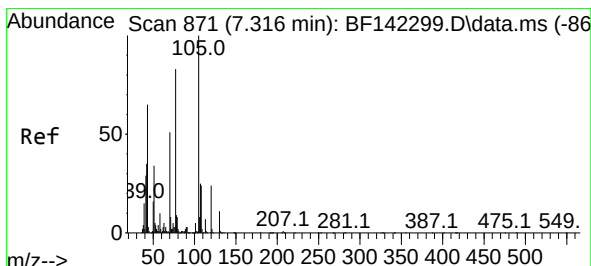
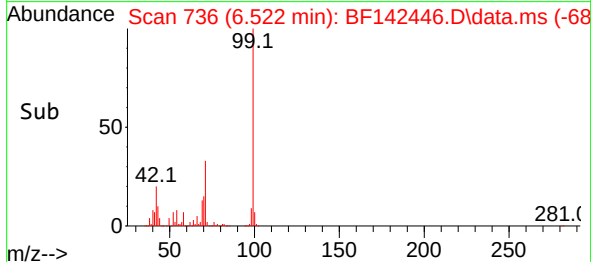
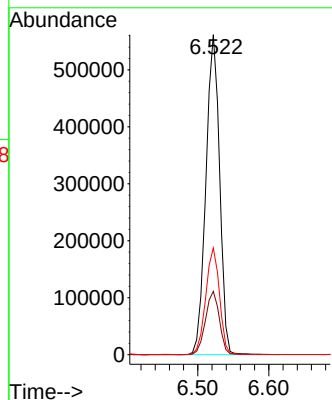
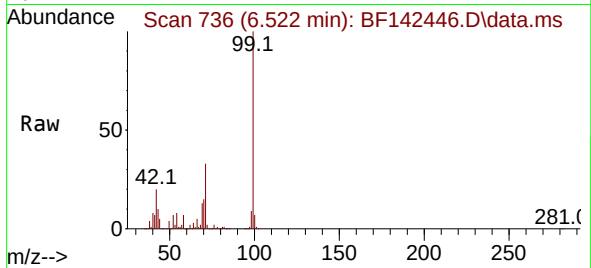




#7
Phenol-d6
Concen: 74.094 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF142446.D
Acq: 19 May 2025 12:39

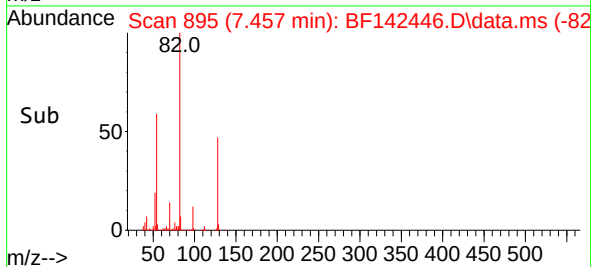
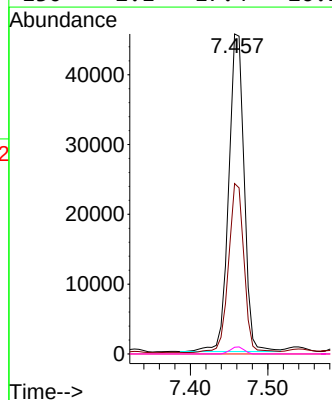
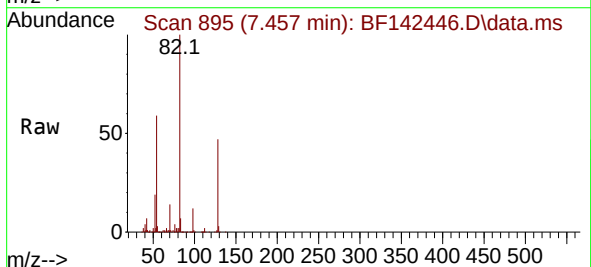
Instrument :
BNA_F
ClientSampleId :

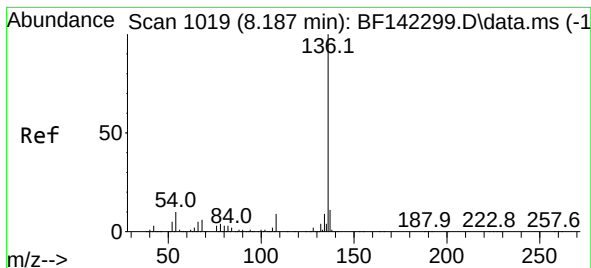
Tgt Ion: 99 Resp: 755416
Ion Ratio Lower Upper
99 100
42 19.8 17.0 25.4
71 33.3 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 10.065 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF142446.D
Acq: 19 May 2025 12:39

Tgt Ion: 70 Resp: 63476
Ion Ratio Lower Upper
70 100
42 53.3 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# 1

Delta R.T. -0.000 min

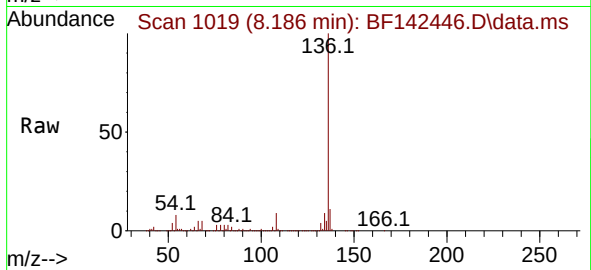
Lab File: BF142446.D

Acq: 19 May 2025 12:39

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:136 Resp: 539614

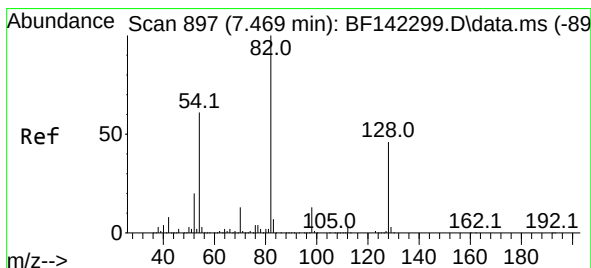
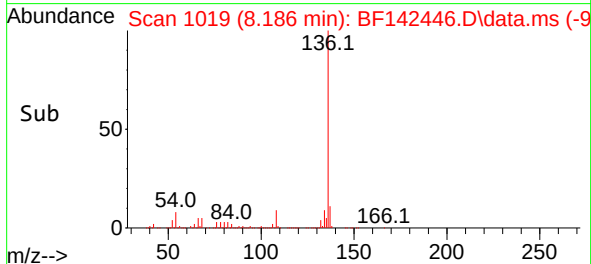
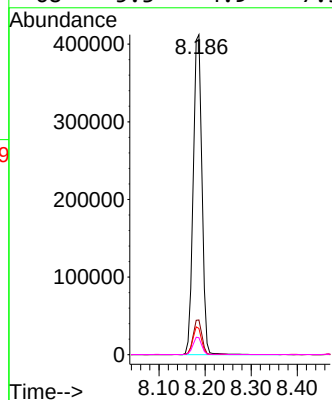
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.2 7.7 11.5

68 5.3 4.9 7.3



#23

Nitrobenzene-d5

Concen: 50.916 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF142446.D

Acq: 19 May 2025 12:39

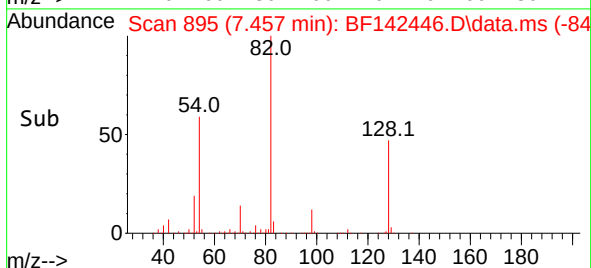
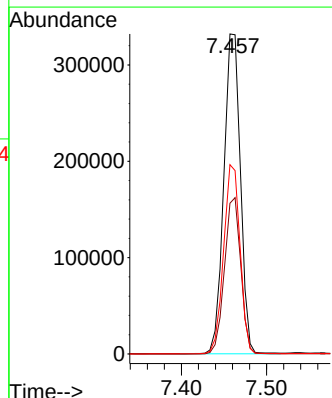
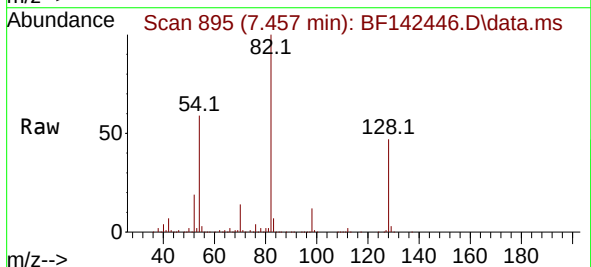
Tgt Ion: 82 Resp: 450507

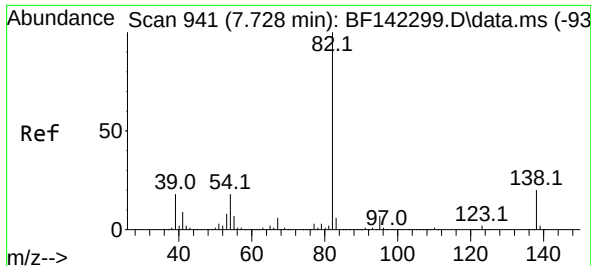
Ion Ratio Lower Upper

82 100

128 47.1 37.0 55.6

54 59.1 48.6 73.0

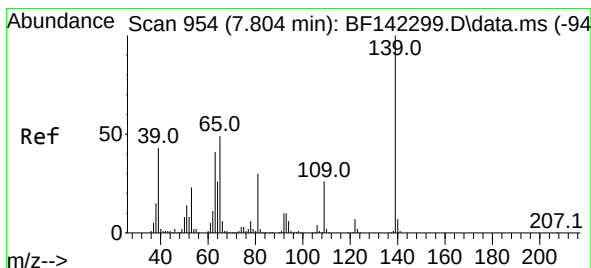
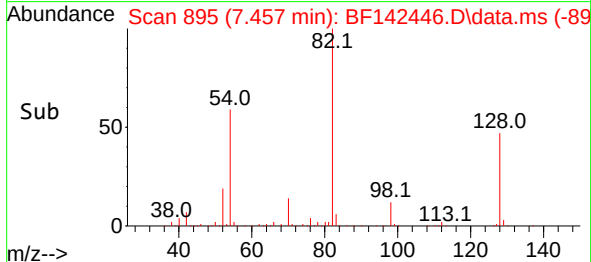
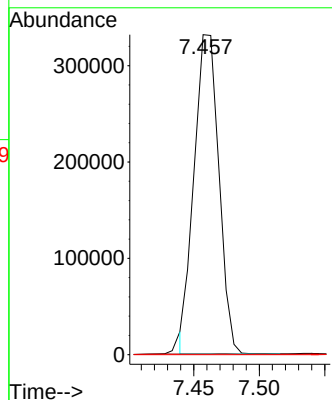
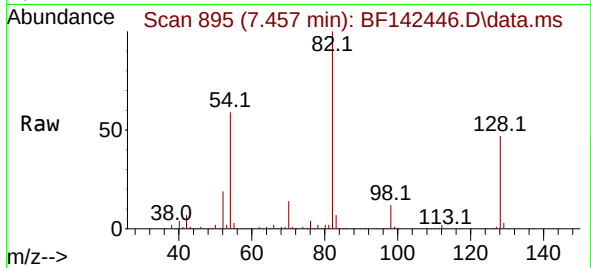




#25
Isophorone
Concen: 26.080 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF142446.D
Acq: 19 May 2025 12:39

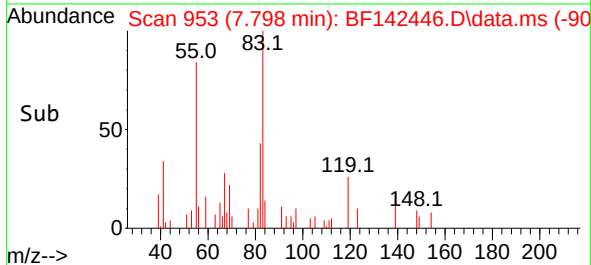
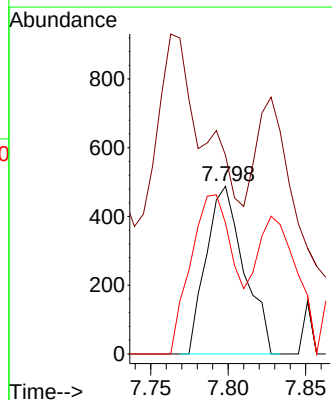
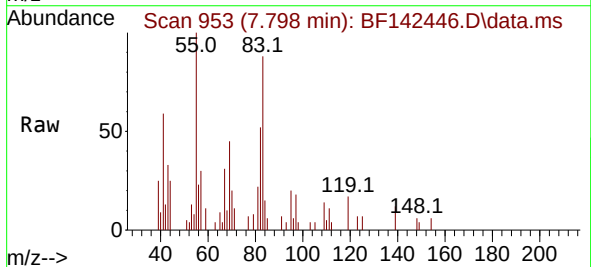
Instrument :
BNA_F
ClientSampleId :

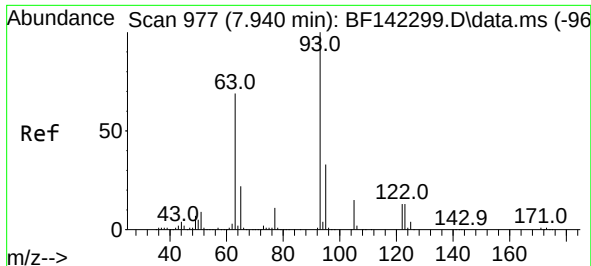
Tgt Ion: 82 Resp: 436967
Ion Ratio Lower Upper
82 100
95 0.2 5.8 8.8#
138 0.0 16.1 24.1#



#26
2-Nitrophenol
Concen: 4.275 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142446.D
Acq: 19 May 2025 12:39

Tgt Ion:139 Resp: 824
Ion Ratio Lower Upper
139 100
109 118.4 20.8 31.2#
65 78.1 38.9 58.3#

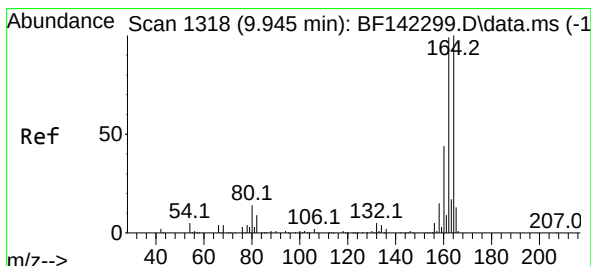
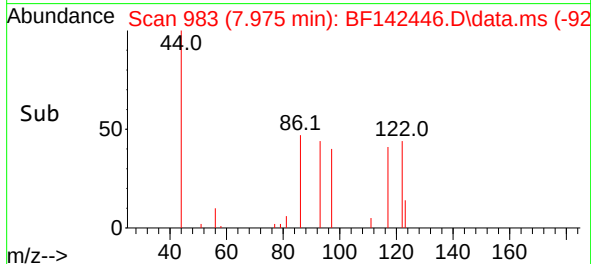
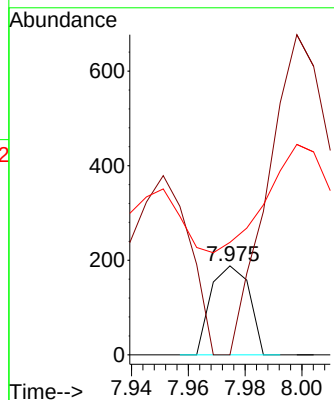
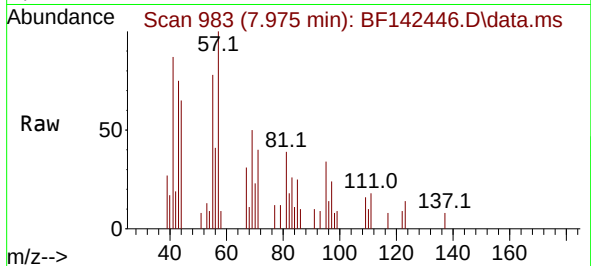




#32
Benzoic acid
Concen: 6.055 ng
RT: 7.975 min Scan# 91
Delta R.T. 0.035 min
Lab File: BF142446.D
Acq: 19 May 2025 12:39

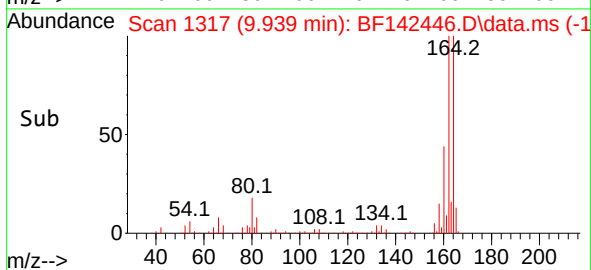
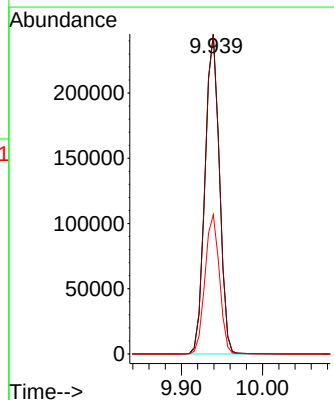
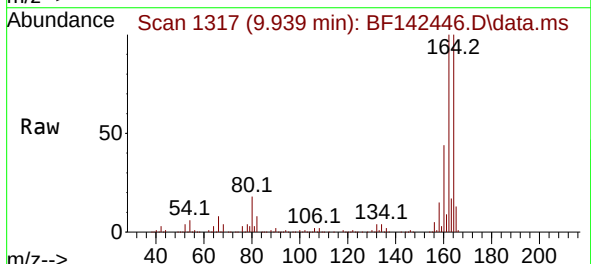
Instrument :
BNA_F
ClientSampleId :

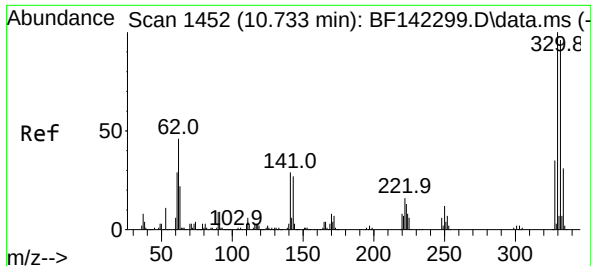
Tgt Ion:122 Resp: 176
Ion Ratio Lower Upper
122 100
105 0.0 97.9 137.9#
77 126.6 67.7 107.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142446.D
Acq: 19 May 2025 12:39

Tgt Ion:164 Resp: 301091
Ion Ratio Lower Upper
164 100
162 99.9 79.2 118.8
160 43.6 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 90.094 ng

RT: 10.727 min Scan# 1451

Delta R.T. -0.006 min

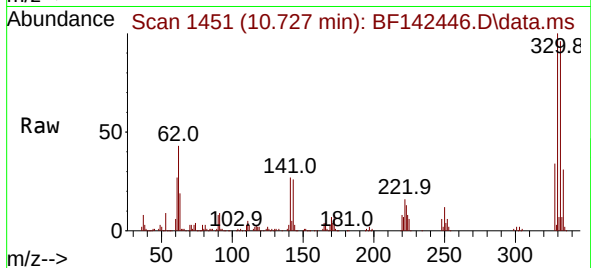
Lab File: BF142446.D

Acq: 19 May 2025 12:39

Instrument :

BNA_F

ClientSampleId :



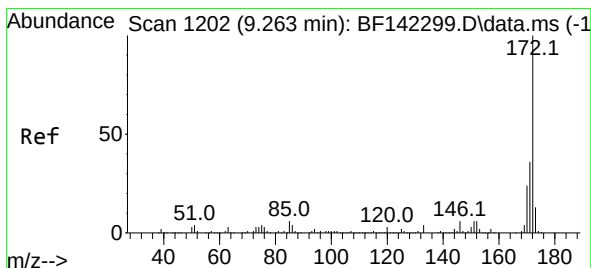
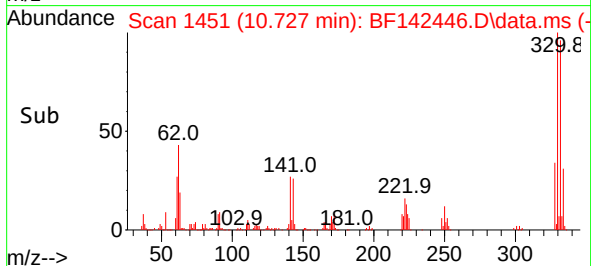
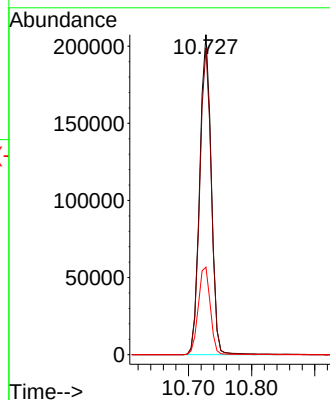
Tgt Ion:330 Resp: 261901

Ion Ratio Lower Upper

330 100

332 96.0 76.8 115.2

141 28.5 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 47.683 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF142446.D

Acq: 19 May 2025 12:39

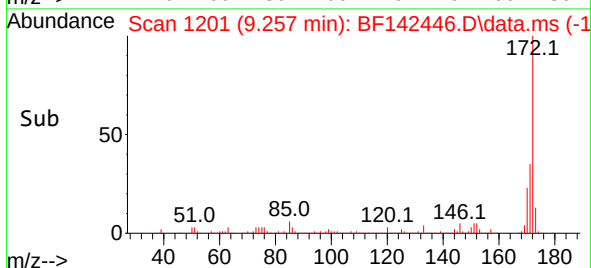
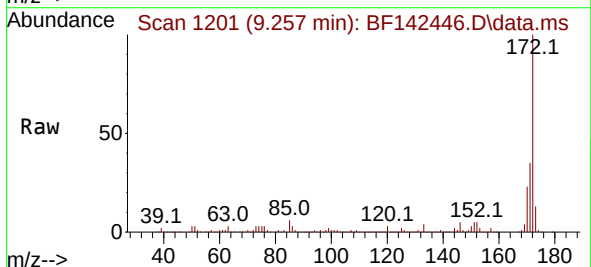
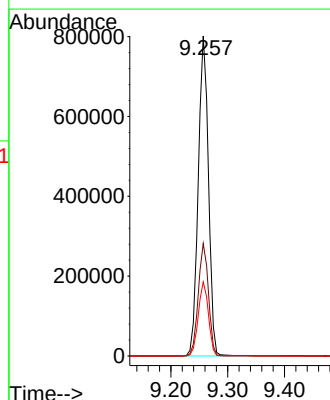
Tgt Ion:172 Resp: 1006881

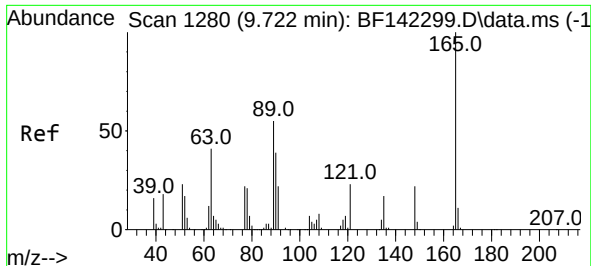
Ion Ratio Lower Upper

172 100

171 35.2 28.6 42.8

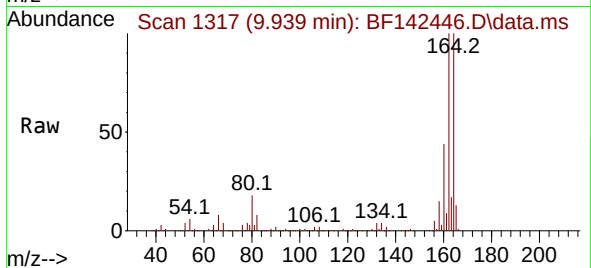
170 23.1 19.0 28.4



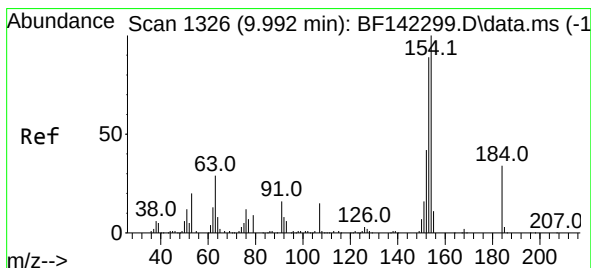
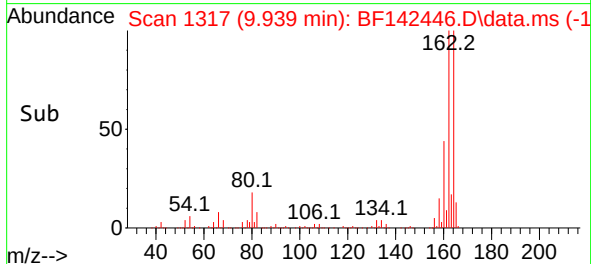
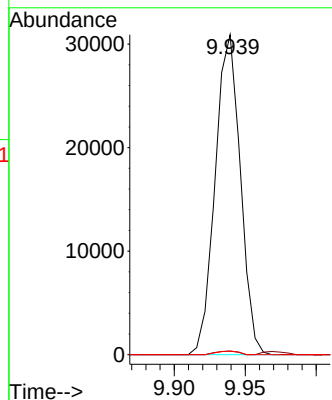


#51
2,6-Dinitrotoluene
Concen: 10.525 ng
RT: 9.939 min Scan# 11
Delta R.T. 0.217 min
Lab File: BF142446.D
Acq: 19 May 2025 12:39

Instrument :
BNA_F
ClientSampleId :

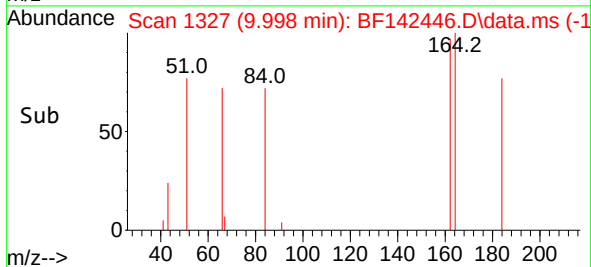
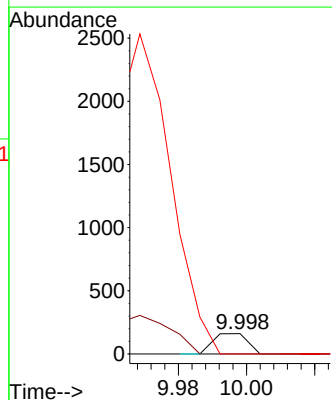
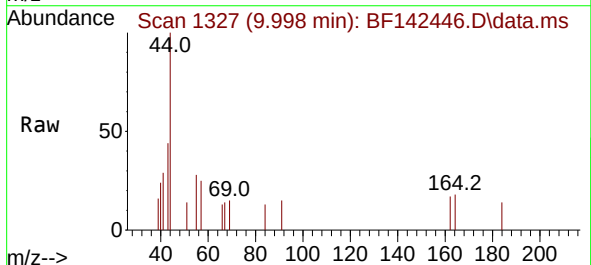


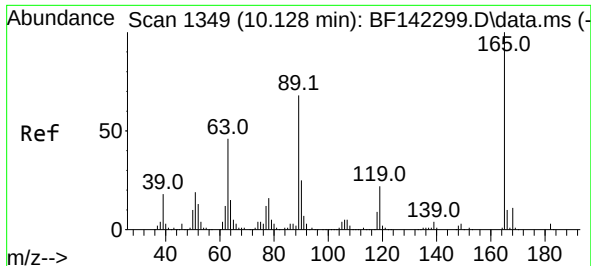
Tgt Ion:165 Resp: 38090
Ion Ratio Lower Upper
165 100
63 1.1 49.5 74.3#
89 1.2 44.6 66.8#



#54
2,4-Dinitrophenol
Concen: 7.716 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.006 min
Lab File: BF142446.D
Acq: 19 May 2025 12:39

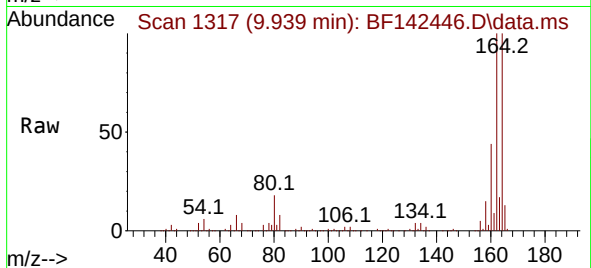
Tgt Ion:184 Resp: 113
Ion Ratio Lower Upper
184 100
63 0.0 70.6 105.8#
154 0.0 257.2 385.8#



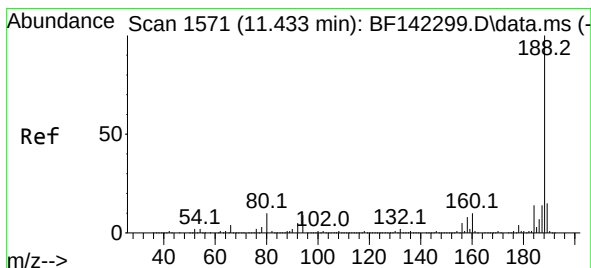
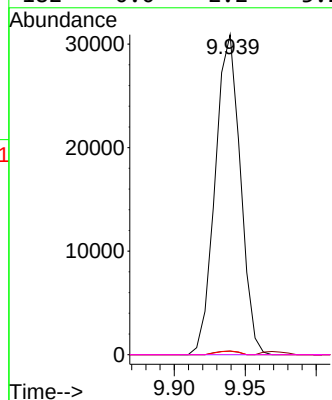
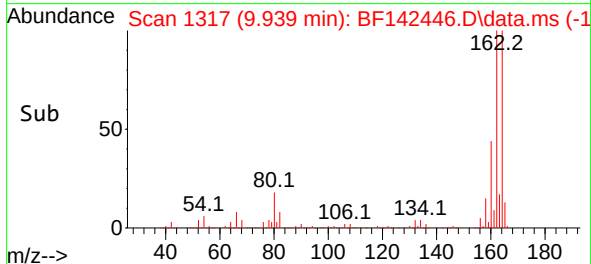


#57
2,4-Dinitrotoluene
Concen: 8.205 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF142446.D
Acq: 19 May 2025 12:39

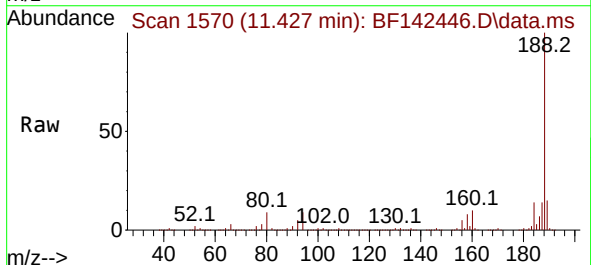
Instrument :
BNA_F
ClientSampleId :



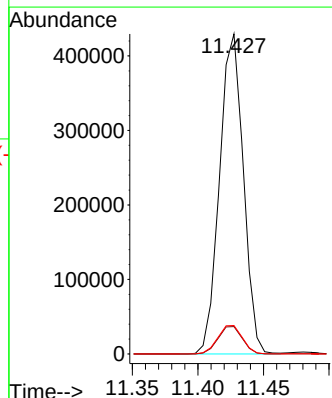
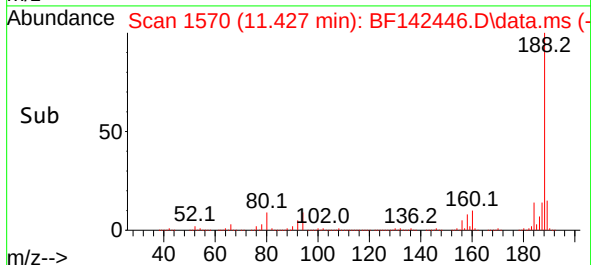
Tgt Ion:165 Resp: 38090
Ion Ratio Lower Upper
165 100
63 1.1 37.1 55.7#
89 1.2 54.4 81.6#
182 0.0 2.2 3.2#

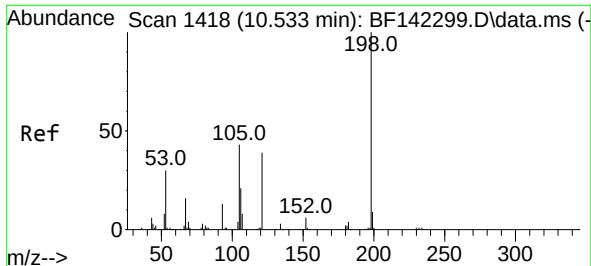


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142446.D
Acq: 19 May 2025 12:39



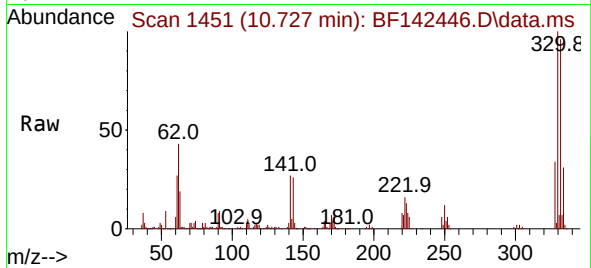
Tgt Ion:188 Resp: 542415
Ion Ratio Lower Upper
188 100
94 8.5 7.5 11.3
80 8.9 7.9 11.9



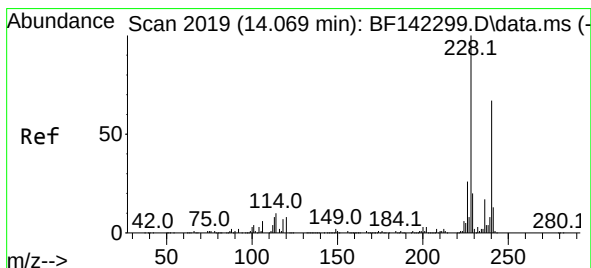
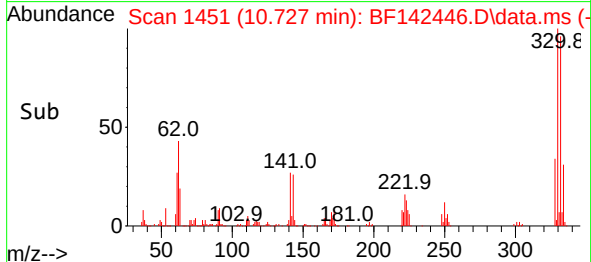
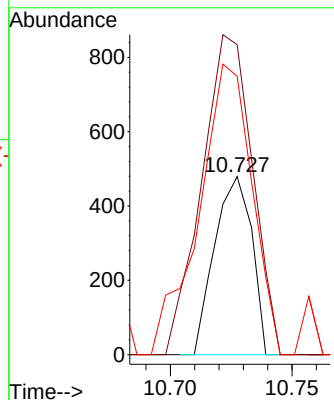


#65
4,6-Dinitro-2-methylphenol
Concen: 7.356 ng
RT: 10.727 min Scan# 1418
Delta R.T. 0.194 min
Lab File: BF142446.D
Acq: 19 May 2025 12:39

Instrument :
BNA_F
ClientSampleId :

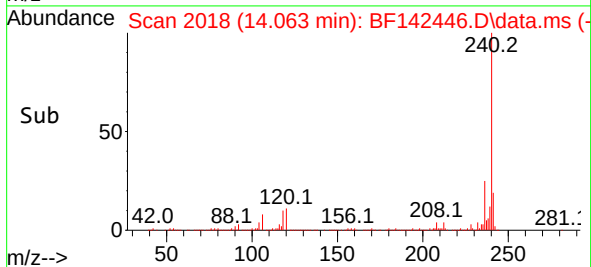
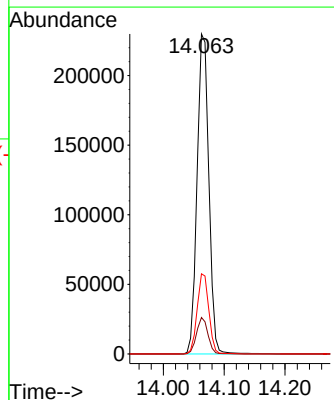
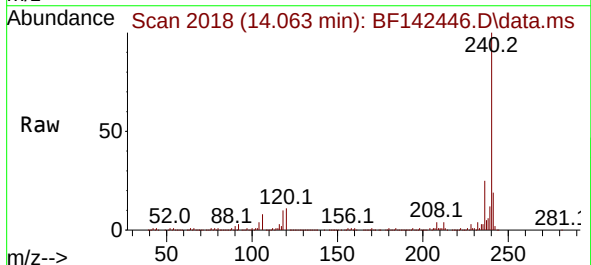


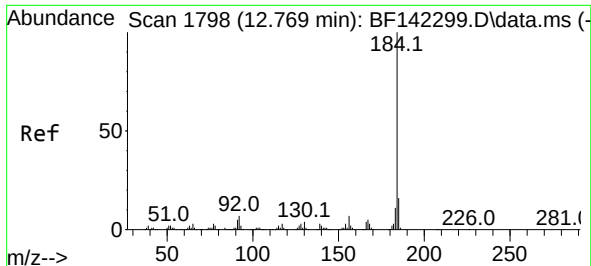
Tgt Ion:198 Resp: 508
Ion Ratio Lower Upper
198 100
51 174.1 32.9 72.9#
105 156.4 23.7 63.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142446.D
Acq: 19 May 2025 12:39

Tgt Ion:240 Resp: 308431
Ion Ratio Lower Upper
240 100
120 11.4 9.7 14.5
236 25.0 20.0 30.0

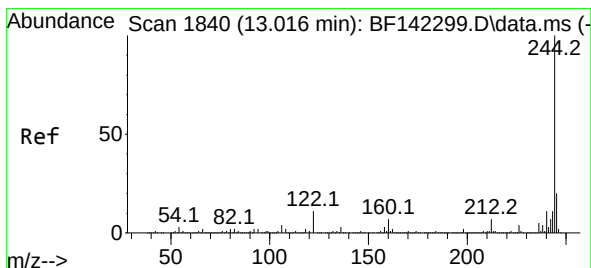
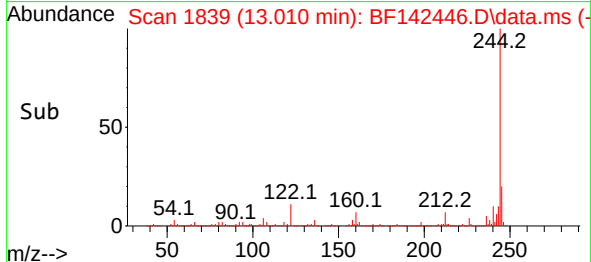
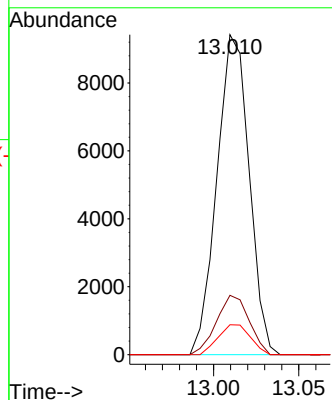
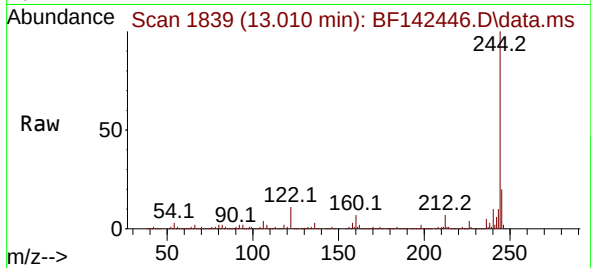




#77
Benzidine
Concen: 2.212 ng
RT: 13.010 min Scan# 1839
Delta R.T. 0.241 min
Lab File: BF142446.D
Acq: 19 May 2025 12:39

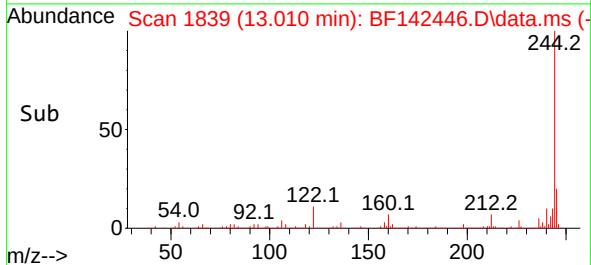
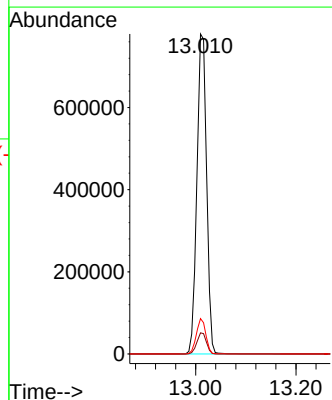
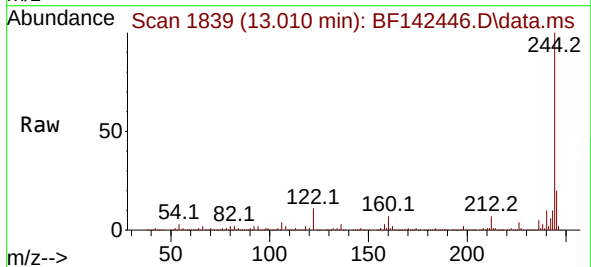
Instrument :
BNA_F
ClientSampleId :

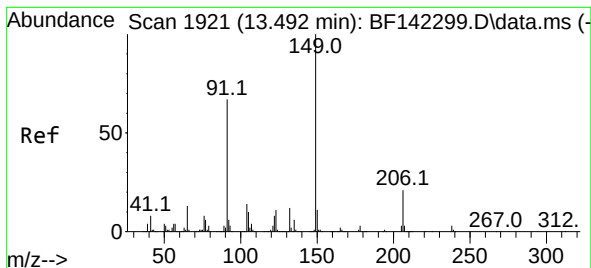
Tgt Ion:184 Resp: 12397
Ion Ratio Lower Upper
184 100
185 18.5 12.6 18.8
183 9.3 8.6 12.8



#79
Terphenyl-d14
Concen: 50.015 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142446.D
Acq: 19 May 2025 12:39

Tgt Ion:244 Resp: 1042244
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.2
122 11.1 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.831 ng

RT: 13.486 min Scan# 1921

Delta R.T. -0.006 min

Lab File: BF142446.D

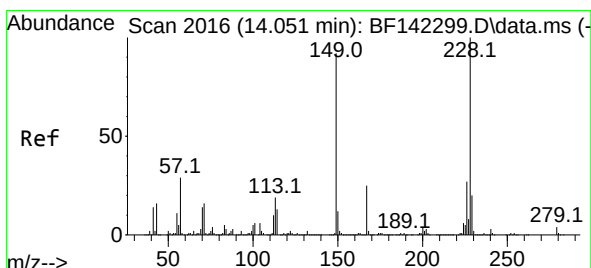
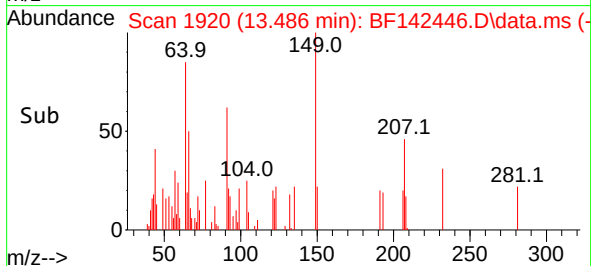
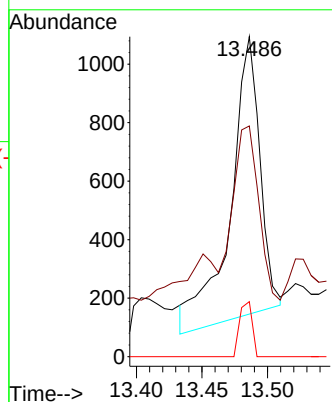
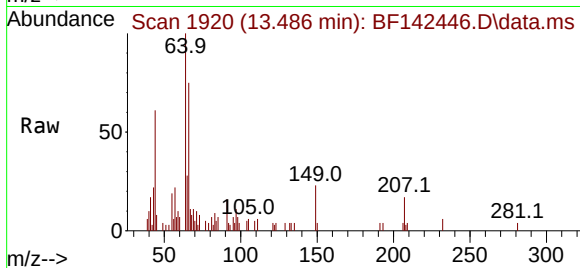
Acq: 19 May 2025 12:39

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:149	Resp:	1488
Ion Ratio	Lower	Upper
149	100	
91	72.1	53.8 80.6
206	17.2	16.6 24.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.453 ng

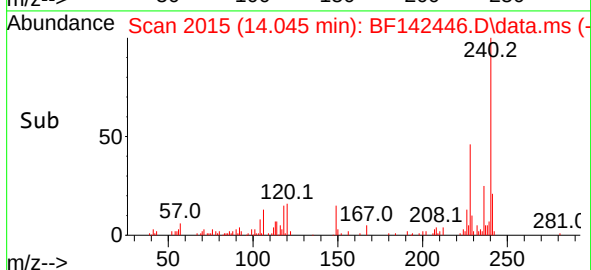
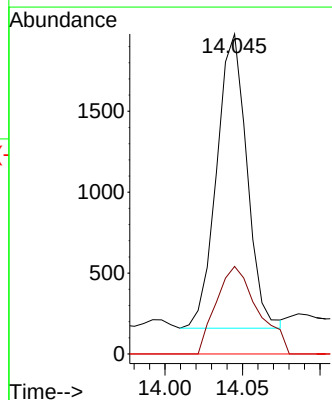
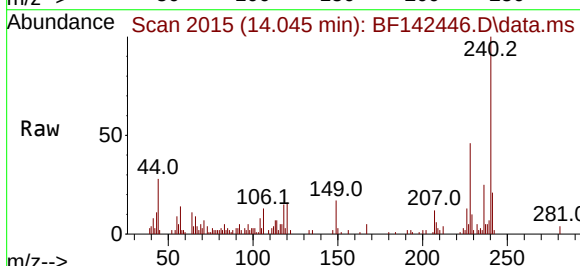
RT: 14.045 min Scan# 2015

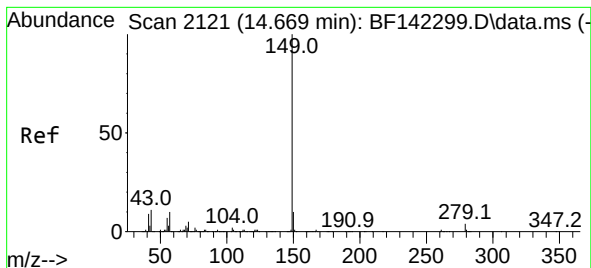
Delta R.T. -0.006 min

Lab File: BF142446.D

Acq: 19 May 2025 12:39

Tgt Ion:149	Resp:	2470
Ion Ratio	Lower	Upper
149	100	
167	27.4	22.0 33.0
279	0.0	3.0 4.6#





#85

Di-n-octyl phthalate

Concen: 7.907 ng

RT: 14.657 min Scan# 2119

Delta R.T. -0.012 min

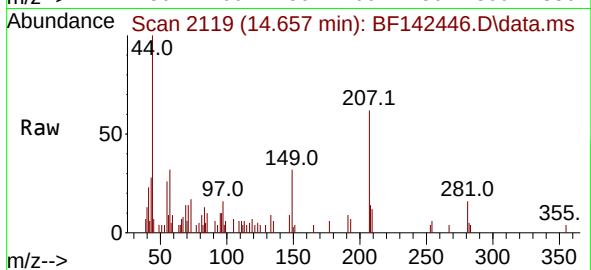
Lab File: BF142446.D

Acq: 19 May 2025 12:39

Instrument :

BNA_F

ClientSampleId :



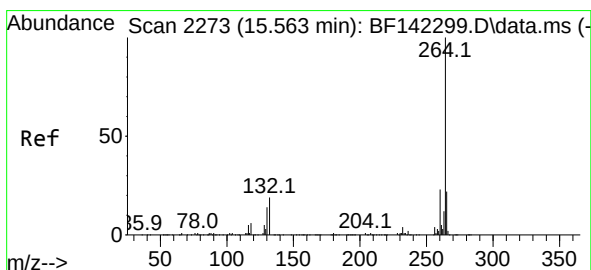
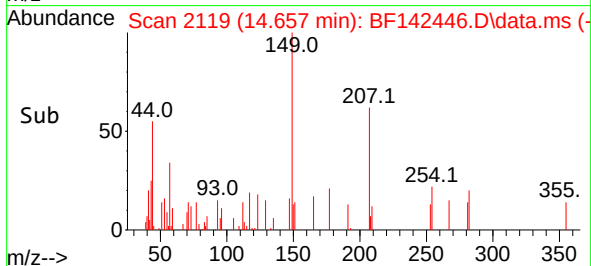
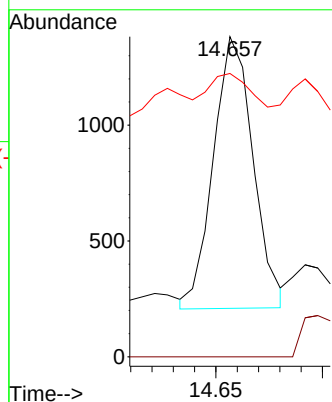
Tgt Ion:149 Resp: 1520

Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

43 34.9 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: BF142446.D

Acq: 19 May 2025 12:39

Tgt Ion:264 Resp: 297161

Ion Ratio Lower Upper

264 100

260 23.6 18.6 27.8

265 21.4 17.5 26.3

