

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
 Data File : BF142281.D
 Acq On : 02 May 2025 14:22
 Operator : RC/JU
 Sample : Q1901-11
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-170-SB02

Quant Time: May 02 15:21:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 16:00:01 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

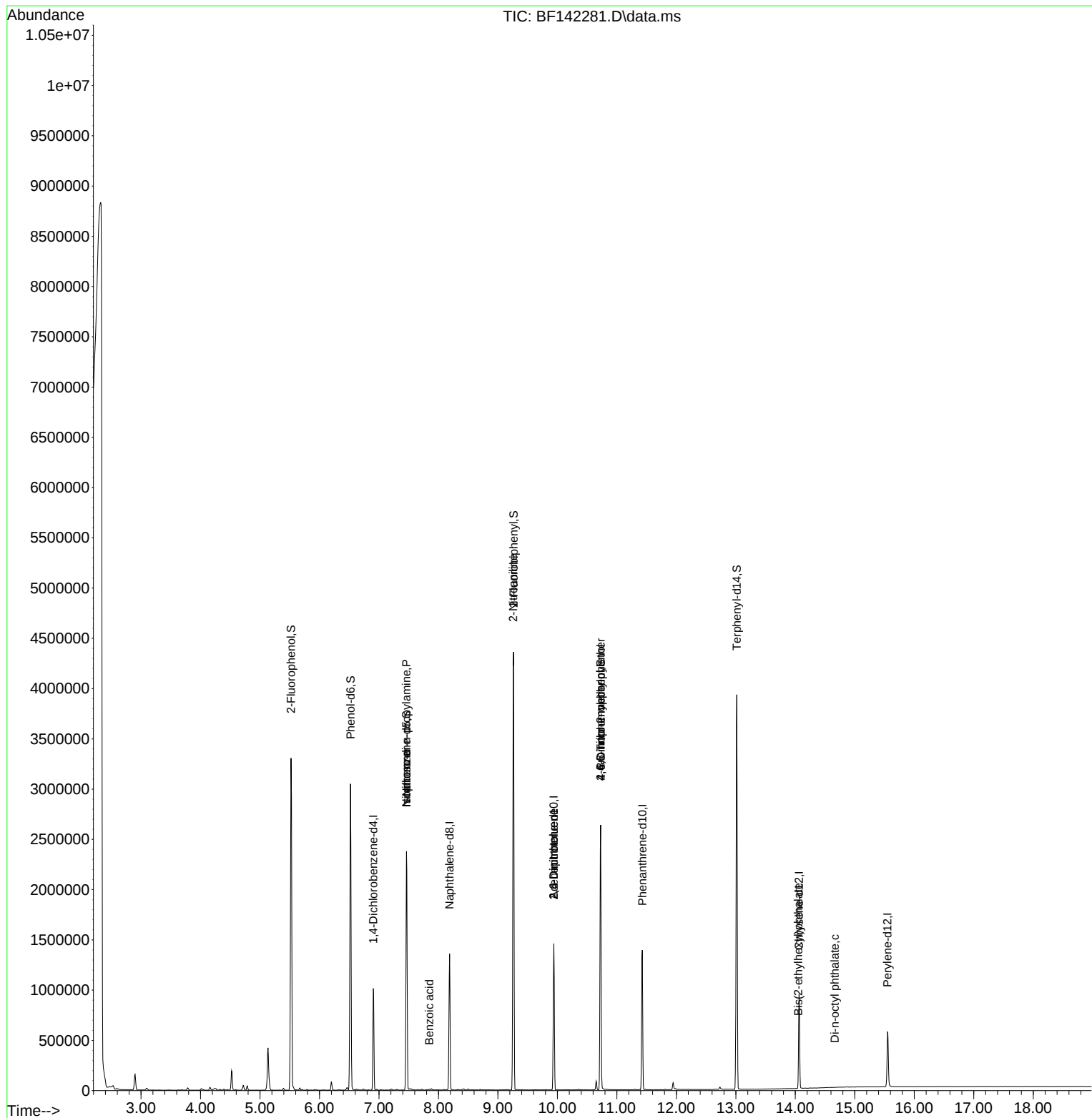
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	213953	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	820195	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	417687	20.000	ng	-0.01
64) Phenanthrene-d10	11.428	188	704817	20.000	ng	0.00
76) Chrysene-d12	14.063	240	439553	20.000	ng	-0.01
86) Perylene-d12	15.551	264	313049	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1264763	94.409	ng	0.00
7) Phenol-d6	6.522	99	1431879	88.511	ng	0.00
23) Nitrobenzene-d5	7.463	82	992258	79.479	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	458282	120.354	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2003805	67.641	ng	0.00
79) Terphenyl-d14	13.016	244	1927099	63.764	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	134142	13.419	ng	# 81
25) Isophorone	7.463	82	990741	37.813	ng	# 64
32) Benzoic acid	7.845	122	1801	11.030	ng	95
48) 2-Nitroaniline	9.257	65	3292	5.234	ng	# 1
51) 2,6-Dinitrotoluene	9.939	165	53849	13.650	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	53849	12.797	ng	# 23
65) 4,6-Dinitro-2-methylph...	10.728	198	966	10.935	ng	# 1
67) 4-Bromophenyl-phenylether	10.728	248	28396	3.618	ng	# 1
84) Bis(2-ethylhexyl)phtha...	14.051	149	897	3.508	ng	# 92
85) Di-n-octyl phthalate	14.663	149	108	6.071	ng	# 73

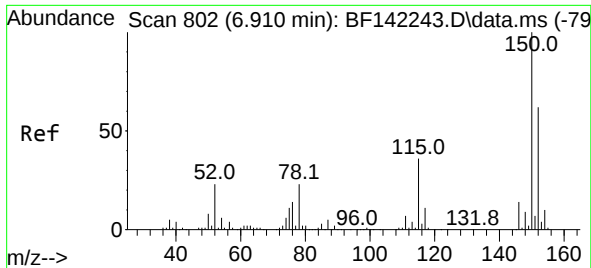
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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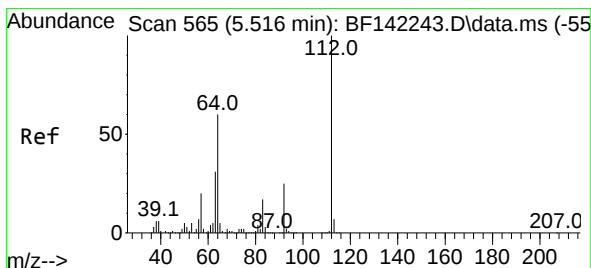
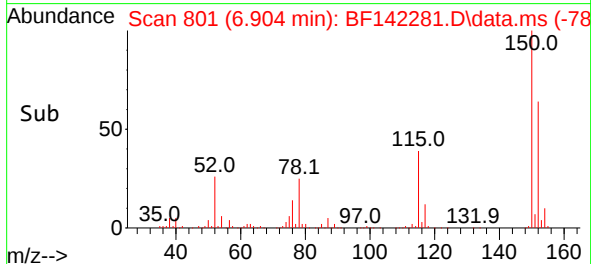
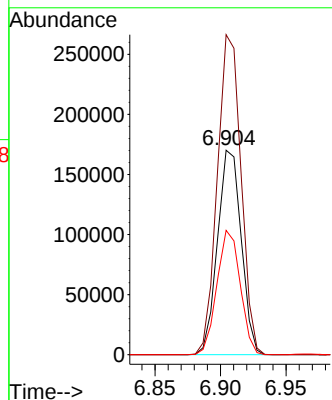
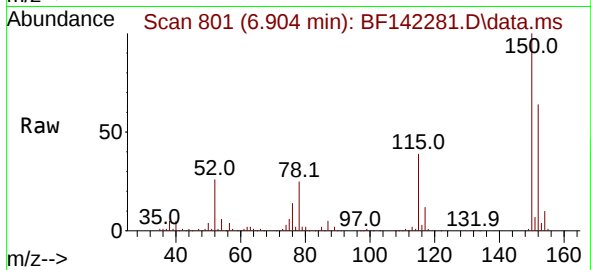




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142281.D
Acq: 02 May 2025 14:22

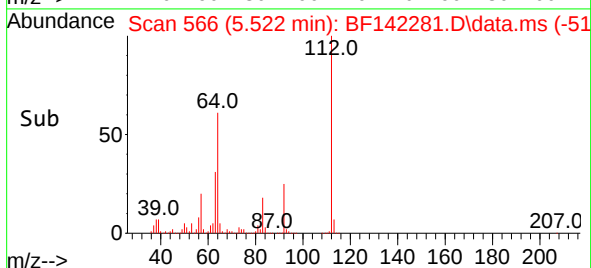
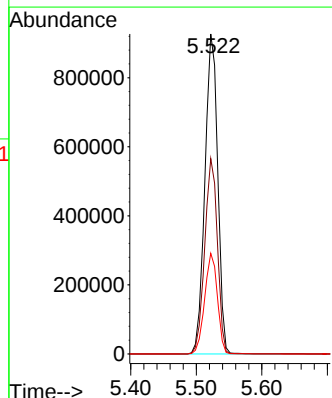
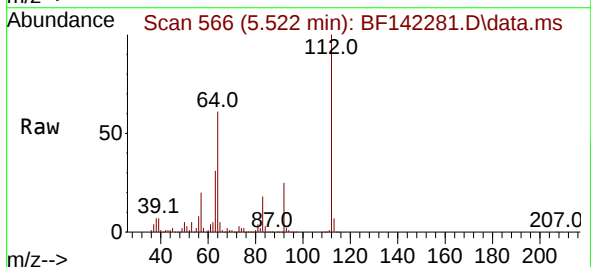
Instrument :
BNA_F
ClientSampleId :
B-170-SB02

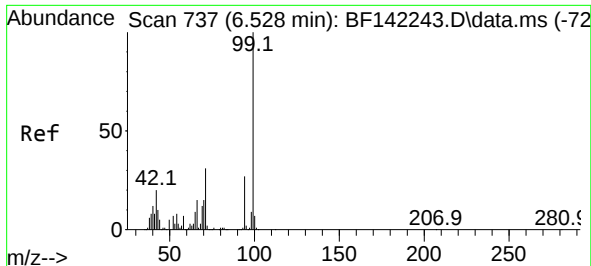
Tgt Ion:152 Resp: 213953
Ion Ratio Lower Upper
152 100
150 156.5 130.2 195.2
115 60.8 47.0 70.4



#5
2-Fluorophenol
Concen: 94.409 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.006 min
Lab File: BF142281.D
Acq: 02 May 2025 14:22

Tgt Ion:112 Resp: 1264763
Ion Ratio Lower Upper
112 100
64 61.0 48.4 72.6
63 31.5 24.8 37.2

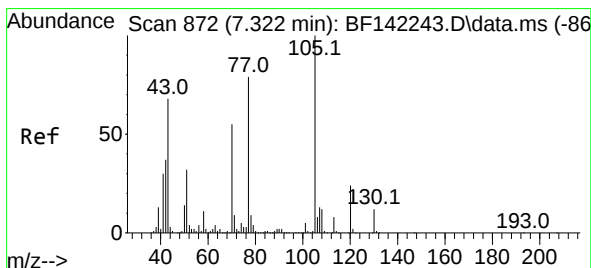
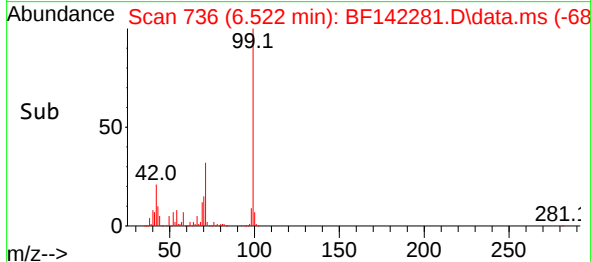
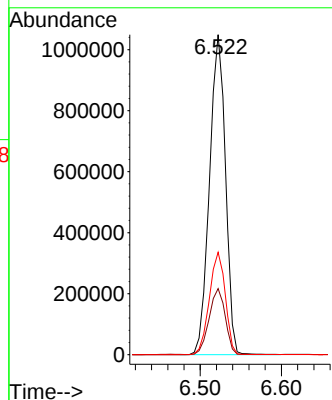
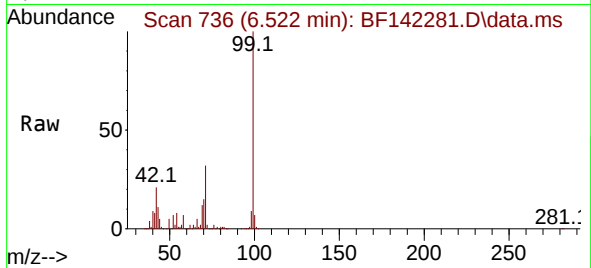




#7
Phenol-d6
Concen: 88.511 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142281.D
Acq: 02 May 2025 14:22

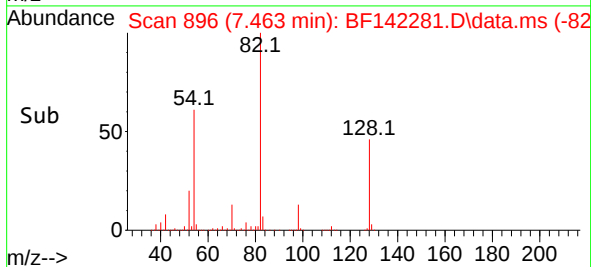
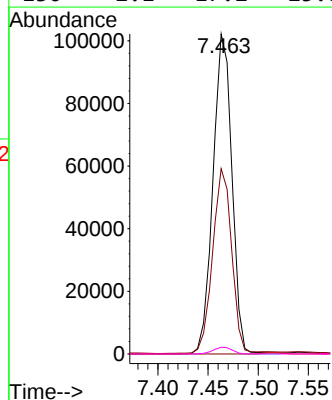
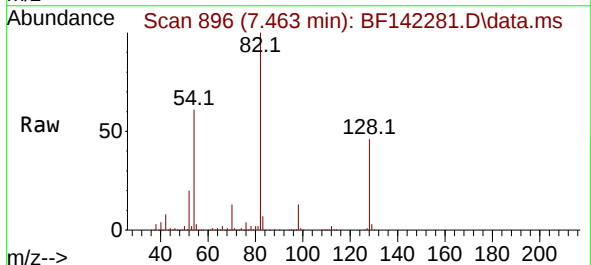
Instrument :
BNA_F
ClientSampleId :
B-170-SB02

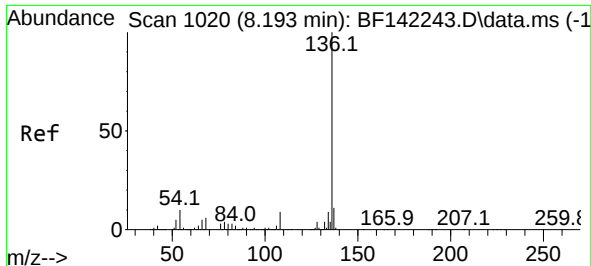
Tgt Ion: 99 Resp: 1431879
Ion Ratio Lower Upper
99 100
42 20.7 16.3 24.5
71 32.0 25.0 37.4



#19
n-Nitroso-di-n-propylamine
Concen: 13.419 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.141 min
Lab File: BF142281.D
Acq: 02 May 2025 14:22

Tgt Ion: 70 Resp: 134142
Ion Ratio Lower Upper
70 100
42 57.9 53.4 80.2
101 0.0 7.7 11.5#
130 2.1 17.2 25.8#

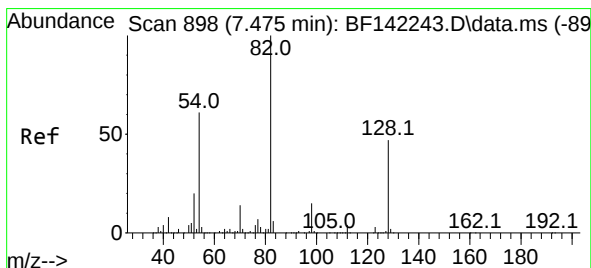
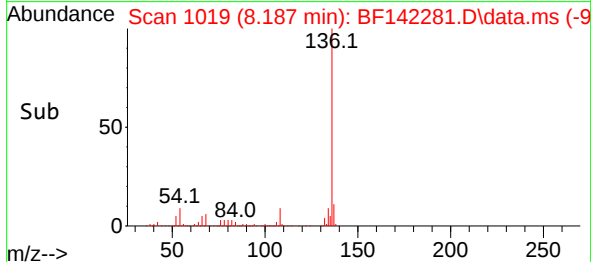
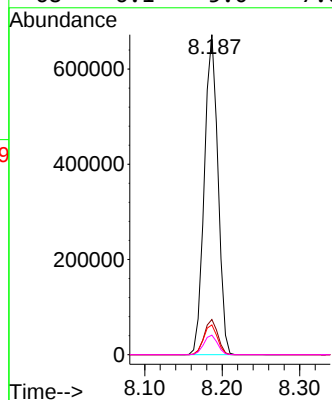
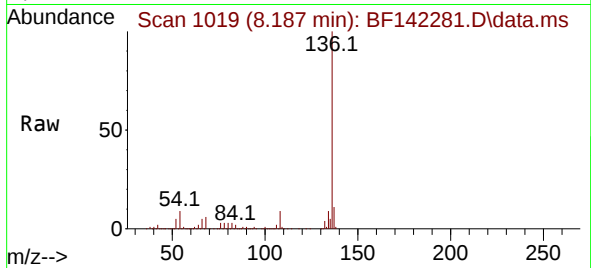




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142281.D
Acq: 02 May 2025 14:22

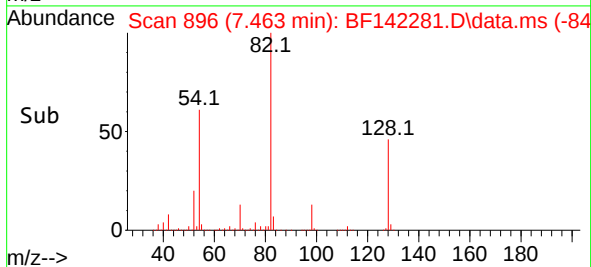
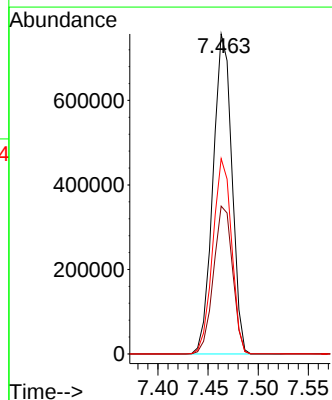
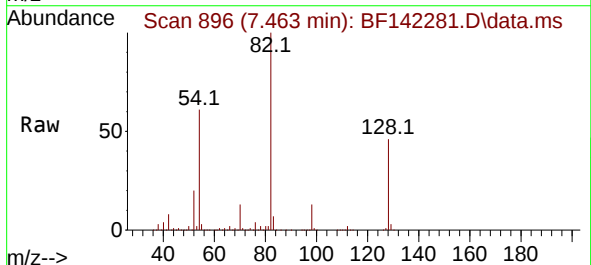
Instrument :
BNA_F
ClientSampleId :
B-170-SB02

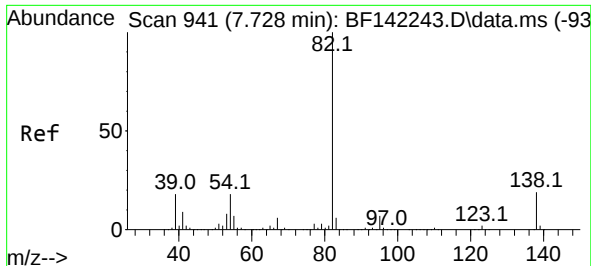
Tgt Ion:	136	Resp:	820195
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	9.3	7.7	11.5
68	6.1	5.0	7.6



#23
Nitrobenzene-d5
Concen: 79.479 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF142281.D
Acq: 02 May 2025 14:22

Tgt Ion:	82	Resp:	992258
Ion	Ratio	Lower	Upper
82	100		
128	46.2	37.0	55.6
54	61.0	48.0	72.0

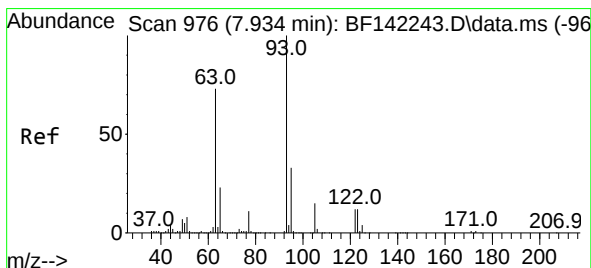
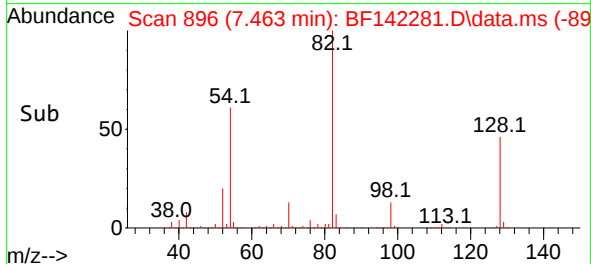
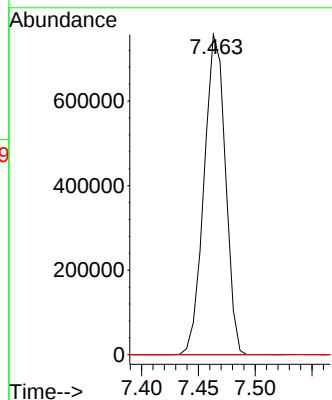
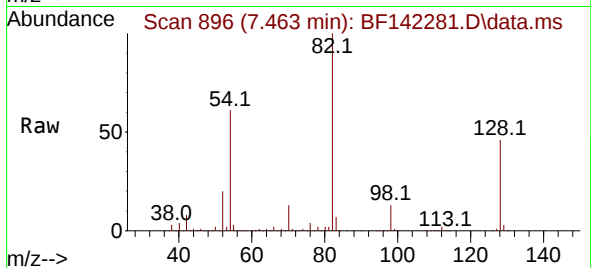




#25
Isophorone
Concen: 37.813 ng
RT: 7.463 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF142281.D
Acq: 02 May 2025 14:22

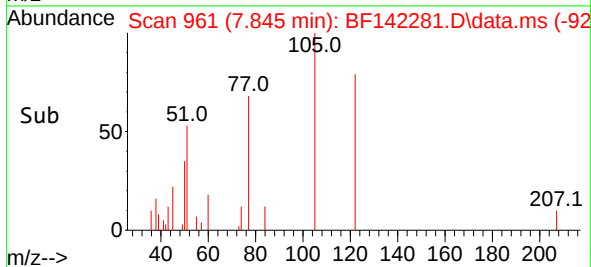
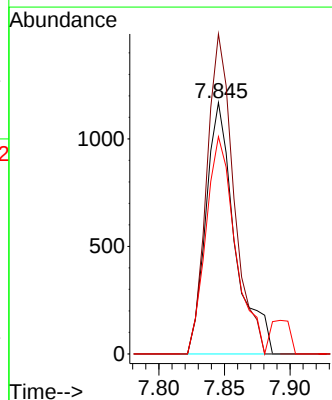
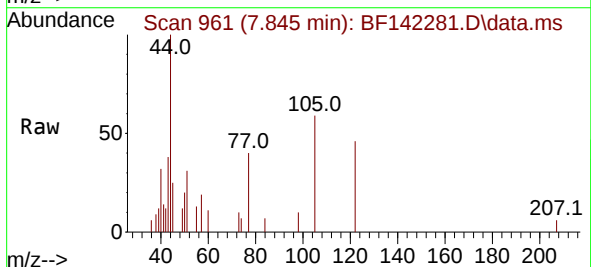
Instrument :
BNA_F
ClientSampleId :
B-170-SB02

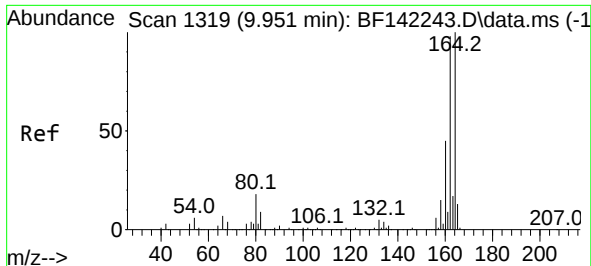
Tgt Ion: 82 Resp: 990741
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 15.3 22.9#



#32
Benzoic acid
Concen: 11.030 ng
RT: 7.845 min Scan# 961
Delta R.T. -0.089 min
Lab File: BF142281.D
Acq: 02 May 2025 14:22

Tgt Ion:122 Resp: 1801
Ion Ratio Lower Upper
122 100
105 127.3 98.2 138.2
77 86.4 66.8 106.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142281.D

Acq: 02 May 2025 14:22

Instrument :

BNA_F

ClientSampleId :

B-170-SB02

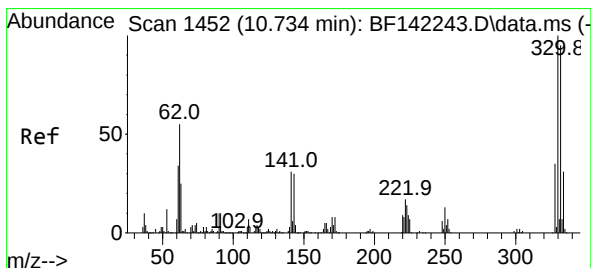
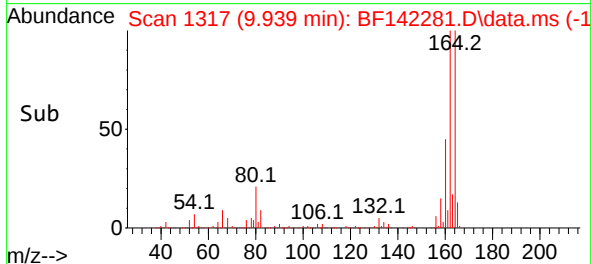
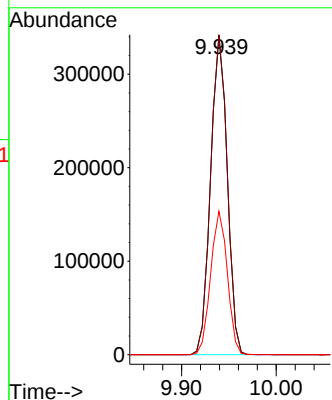
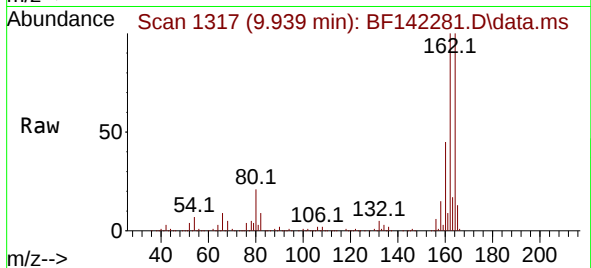
Tgt Ion:164 Resp: 417687

Ion Ratio Lower Upper

164 100

162 100.3 78.6 117.8

160 45.0 35.7 53.5



#42

2,4,6-Tribromophenol

Concen: 120.354 ng

RT: 10.728 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF142281.D

Acq: 02 May 2025 14:22

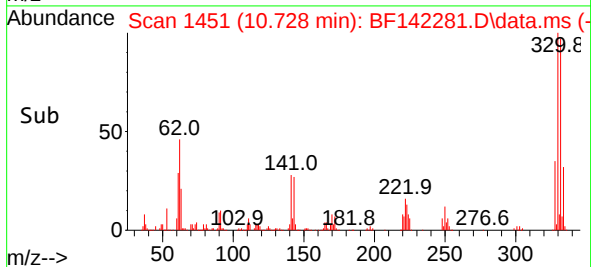
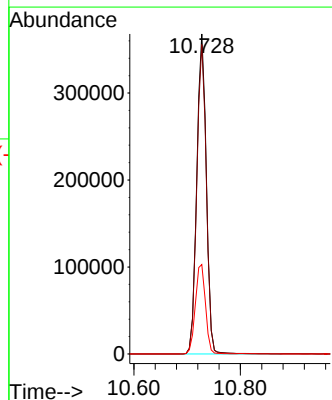
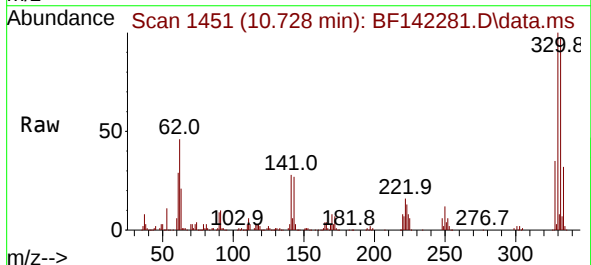
Tgt Ion:330 Resp: 458282

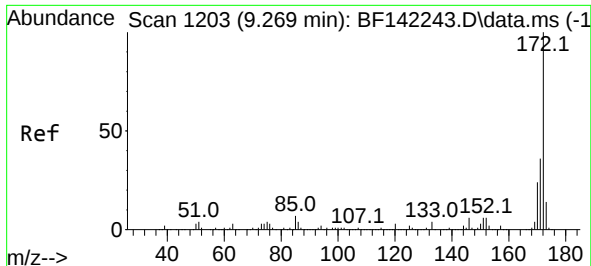
Ion Ratio Lower Upper

330 100

332 96.9 76.5 114.7

141 29.6 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 67.641 ng

RT: 9.263 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142281.D

Acq: 02 May 2025 14:22

Instrument :

BNA_F

ClientSampleId :

B-170-SB02

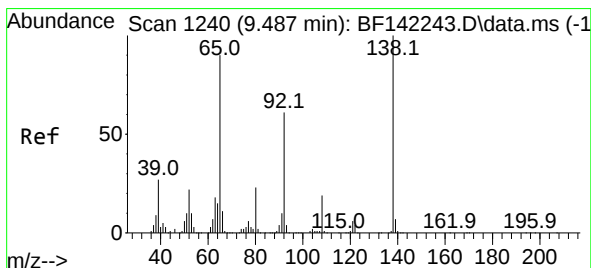
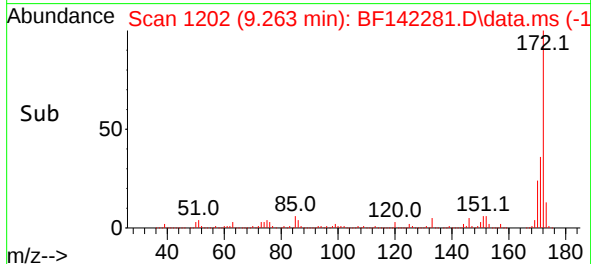
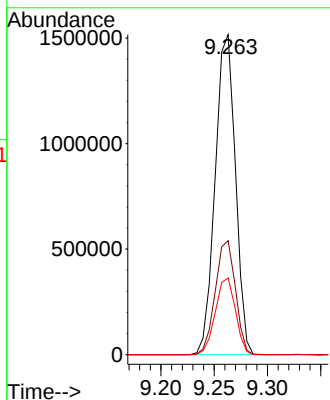
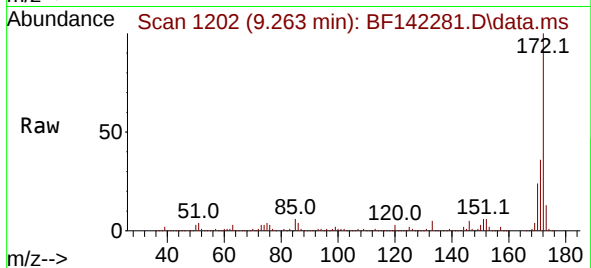
Tgt Ion:172 Resp: 2003805

Ion Ratio Lower Upper

172 100

171 35.7 29.0 43.4

170 24.0 19.4 29.0



#48

2-Nitroaniline

Concen: 5.234 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.230 min

Lab File: BF142281.D

Acq: 02 May 2025 14:22

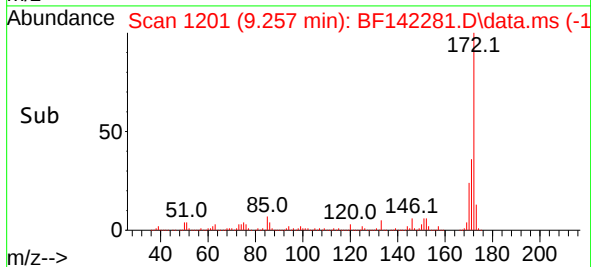
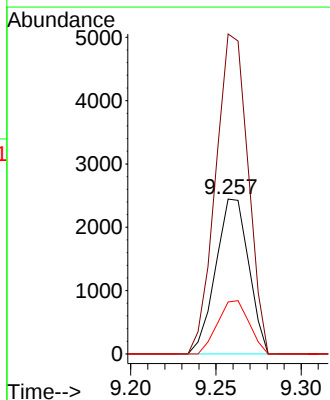
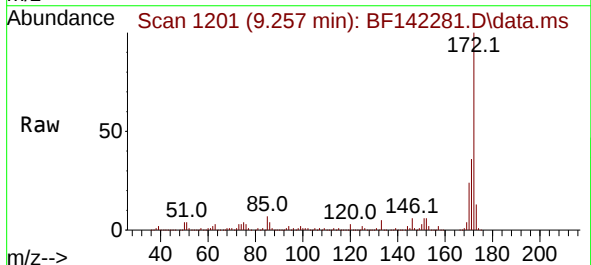
Tgt Ion: 65 Resp: 3292

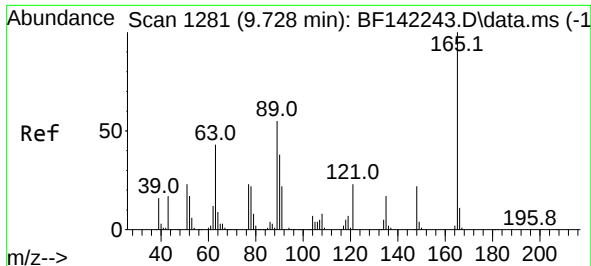
Ion Ratio Lower Upper

65 100

92 206.7 54.3 81.5#

138 33.6 88.6 133.0#

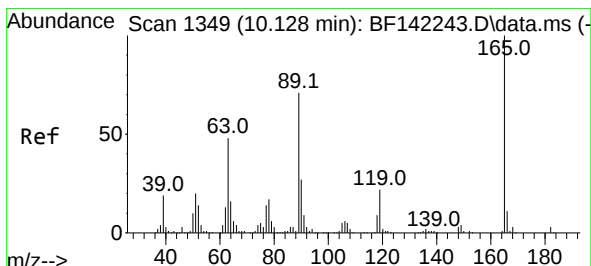
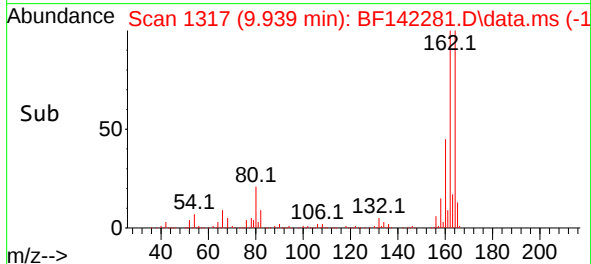
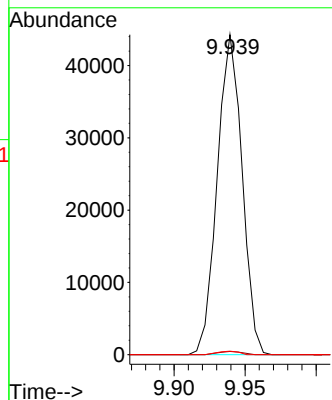
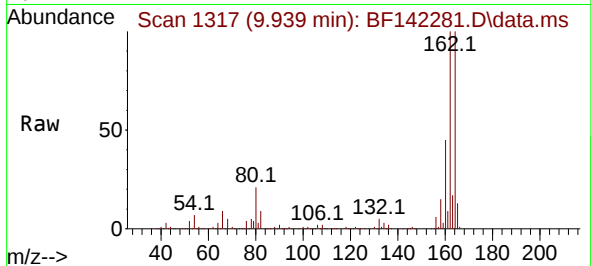




#51
2,6-Dinitrotoluene
Concen: 13.650 ng
RT: 9.939 min Scan# 11
Delta R.T. 0.211 min
Lab File: BF142281.D
Acq: 02 May 2025 14:22

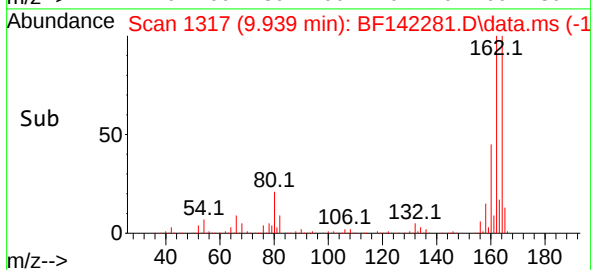
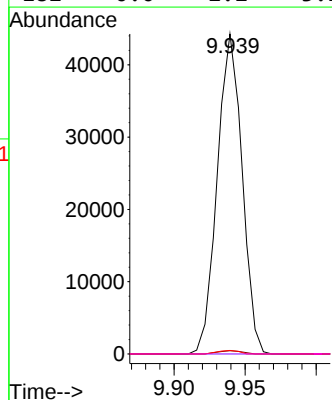
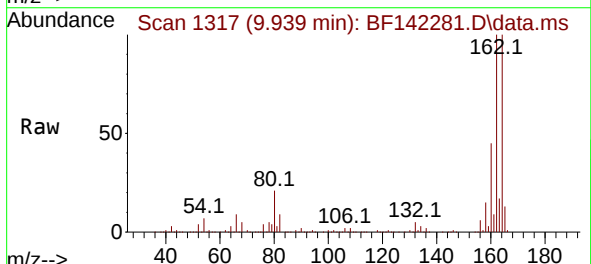
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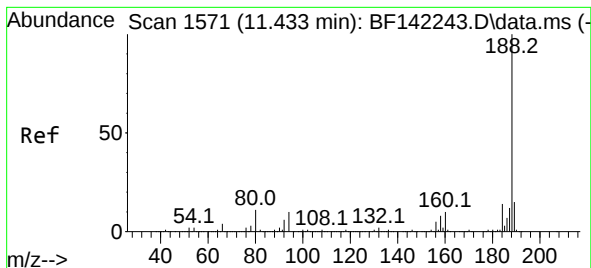
Tgt Ion:165 Resp: 53849
Ion Ratio Lower Upper
165 100
63 1.0 48.5 72.7#
89 1.1 43.9 65.9#



#57
2,4-Dinitrotoluene
Concen: 12.797 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.189 min
Lab File: BF142281.D
Acq: 02 May 2025 14:22

Tgt Ion:165 Resp: 53849
Ion Ratio Lower Upper
165 100
63 1.0 38.8 58.2#
89 1.1 57.1 85.7#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.428 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142281.D

Acq: 02 May 2025 14:22

Instrument :

BNA_F

ClientSampleId :

B-170-SB02

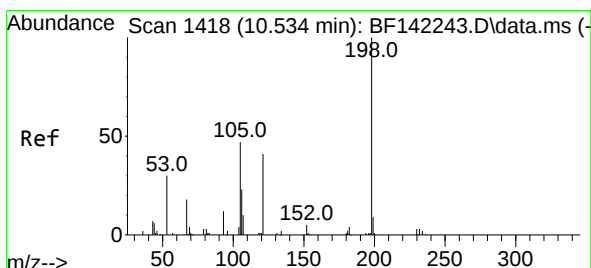
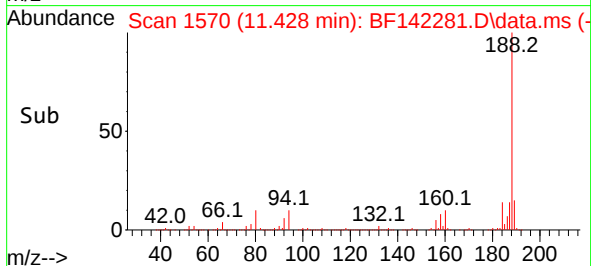
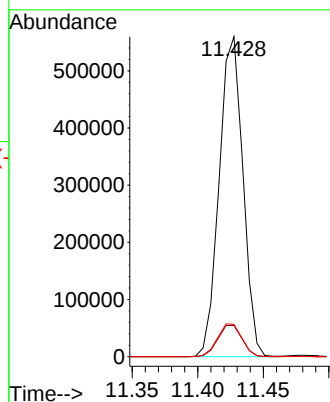
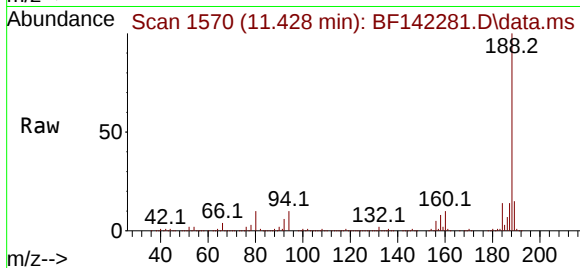
Tgt Ion:188 Resp: 704817

Ion Ratio Lower Upper

188 100

94 9.8 8.2 12.2

80 10.1 8.6 12.8



#65

4,6-Dinitro-2-methylphenol

Concen: 10.935 ng

RT: 10.728 min Scan# 1451

Delta R.T. 0.194 min

Lab File: BF142281.D

Acq: 02 May 2025 14:22

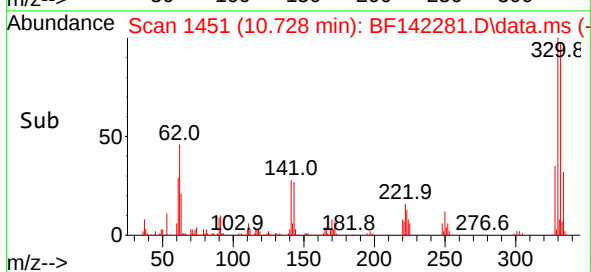
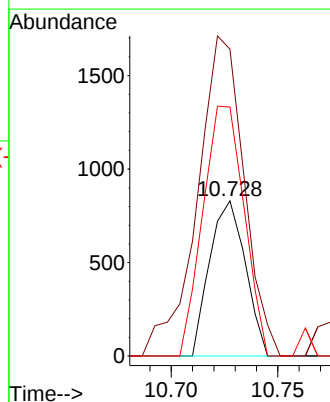
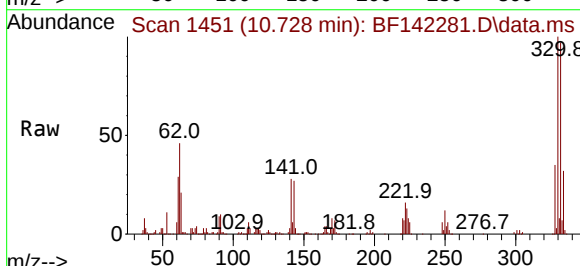
Tgt Ion:198 Resp: 966

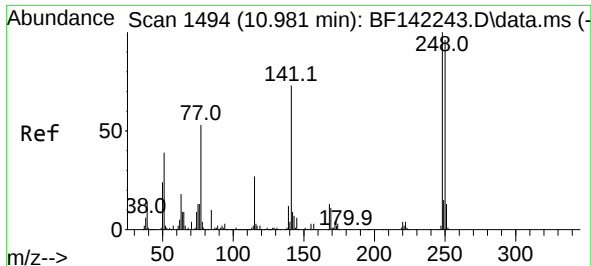
Ion Ratio Lower Upper

198 100

51 197.7 40.6 80.6#

105 160.5 29.2 69.2#

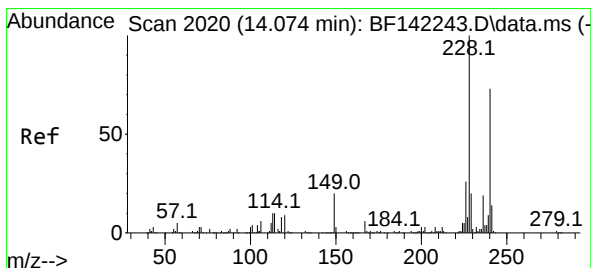
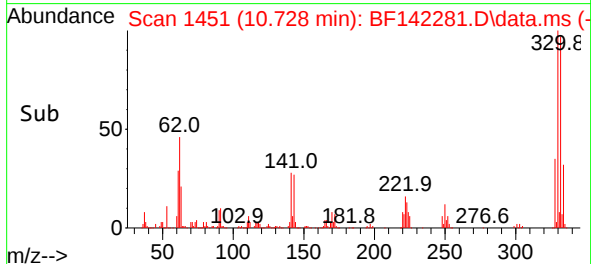
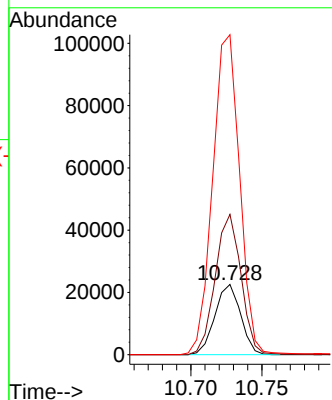
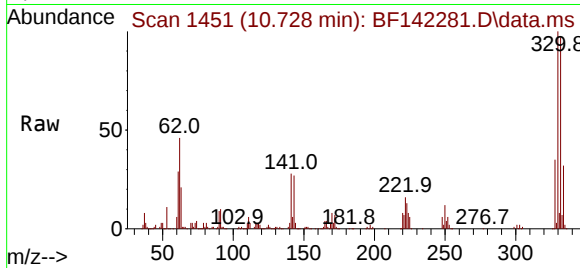




#67
4-Bromophenyl-phenylether
Concen: 3.618 ng
RT: 10.728 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142281.D
Acq: 02 May 2025 14:22

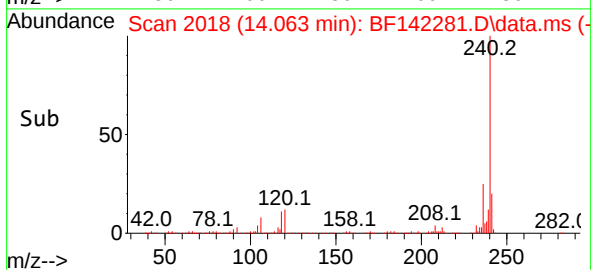
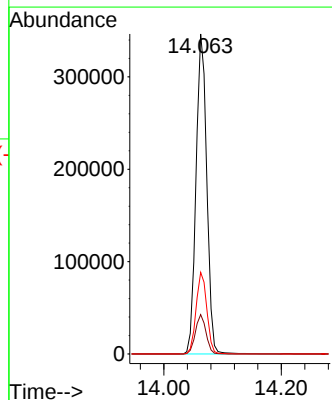
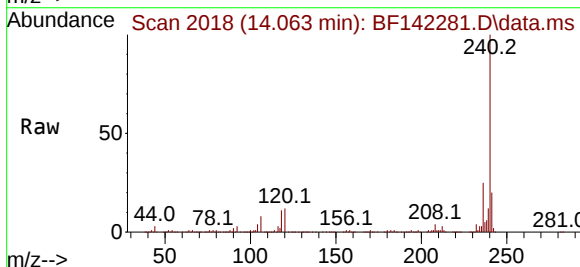
Instrument :
BNA_F
ClientSampleId :
B-170-SB02

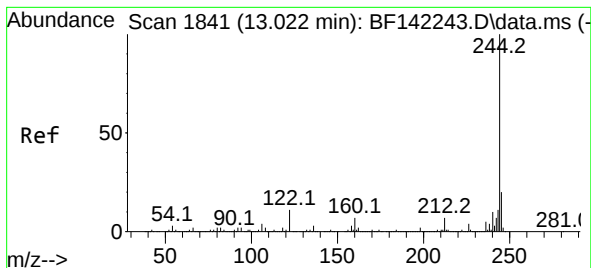
Tgt Ion:248 Resp: 28396
Ion Ratio Lower Upper
248 100
250 200.0 77.2 115.8#
141 455.8 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142281.D
Acq: 02 May 2025 14:22

Tgt Ion:240 Resp: 439553
Ion Ratio Lower Upper
240 100
120 12.3 10.1 15.1
236 25.5 20.5 30.7





#79

Terphenyl-d14

Concen: 63.764 ng

RT: 13.016 min Scan# 1840

Delta R.T. -0.006 min

Lab File: BF142281.D

Acq: 02 May 2025 14:22

Instrument :

BNA_F

ClientSampleId :

B-170-SB02

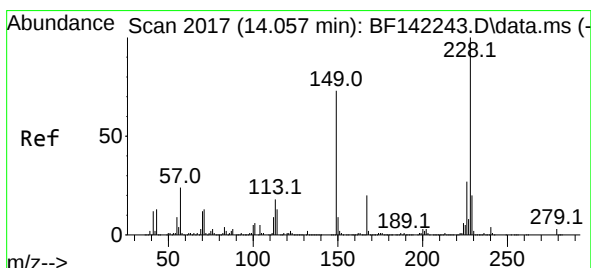
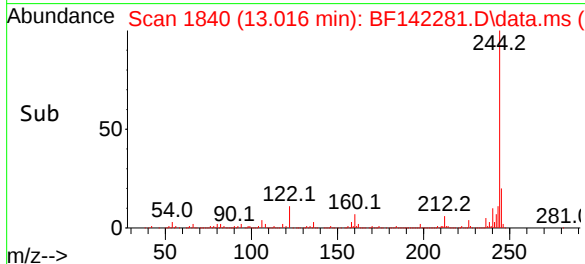
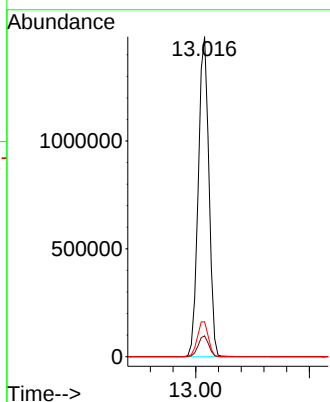
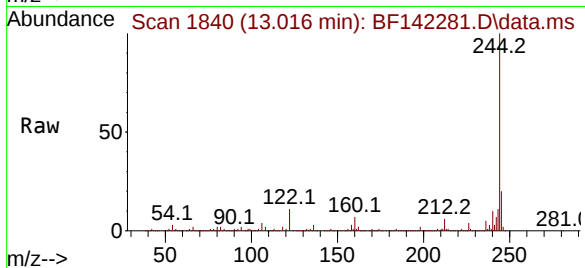
Tgt Ion:244 Resp: 1927099

Ion Ratio Lower Upper

244 100

212 6.5 5.3 7.9

122 10.9 9.1 13.7



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.508 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF142281.D

Acq: 02 May 2025 14:22

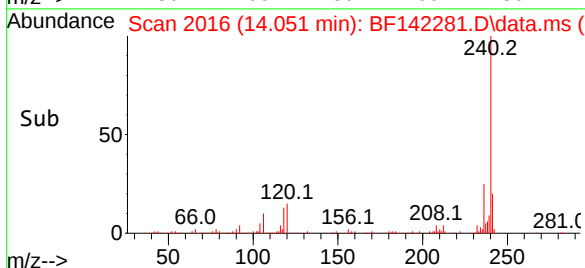
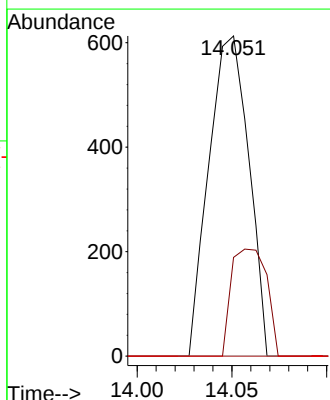
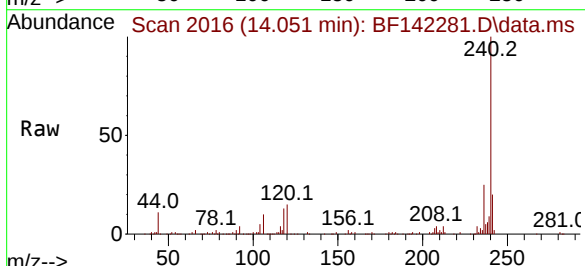
Tgt Ion:149 Resp: 897

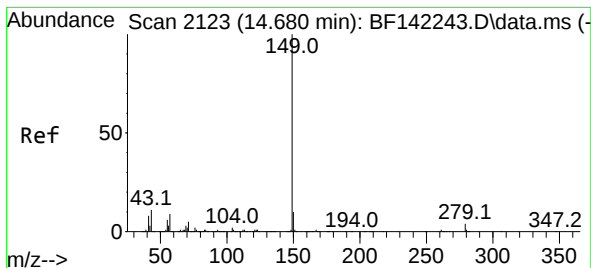
Ion Ratio Lower Upper

149 100

167 30.8 21.7 32.5

279 0.0 3.0 4.4#





#85

Di-n-octyl phthalate

Concen: 6.071 ng

RT: 14.663 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF142281.D

Acq: 02 May 2025 14:22

Instrument :

BNA_F

ClientSampleId :

B-170-SB02

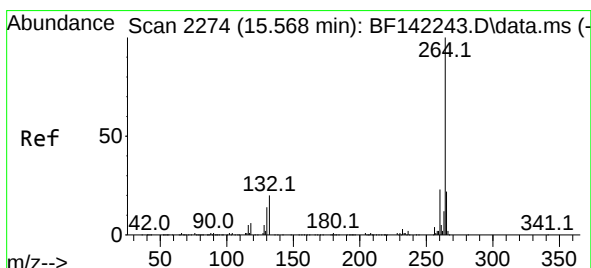
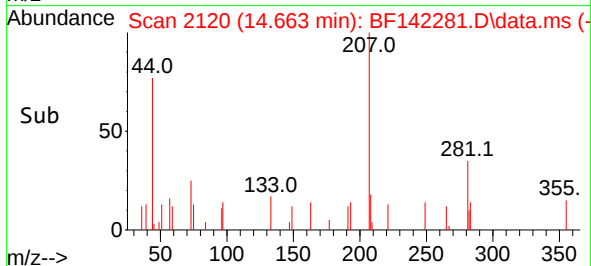
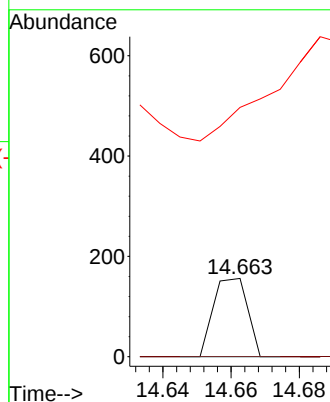
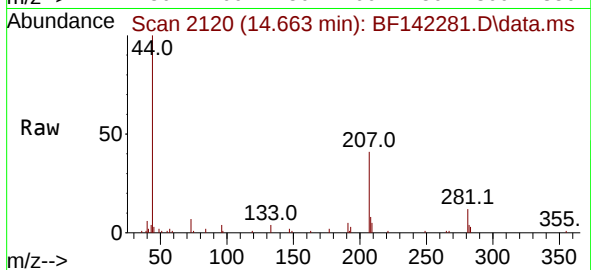
Tgt Ion:149 Resp: 108

Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

43 0.0 9.3 13.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2271

Delta R.T. -0.018 min

Lab File: BF142281.D

Acq: 02 May 2025 14:22

Tgt Ion:264 Resp: 313049

Ion Ratio Lower Upper

264 100

260 23.2 18.4 27.6

265 21.4 17.3 25.9

