

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143125.D
 Acq On : 16 Jul 2025 23:37
 Operator : RC/JU
 Sample : Q2600-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCK-PILE

Quant Time: Jul 17 03:47:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

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

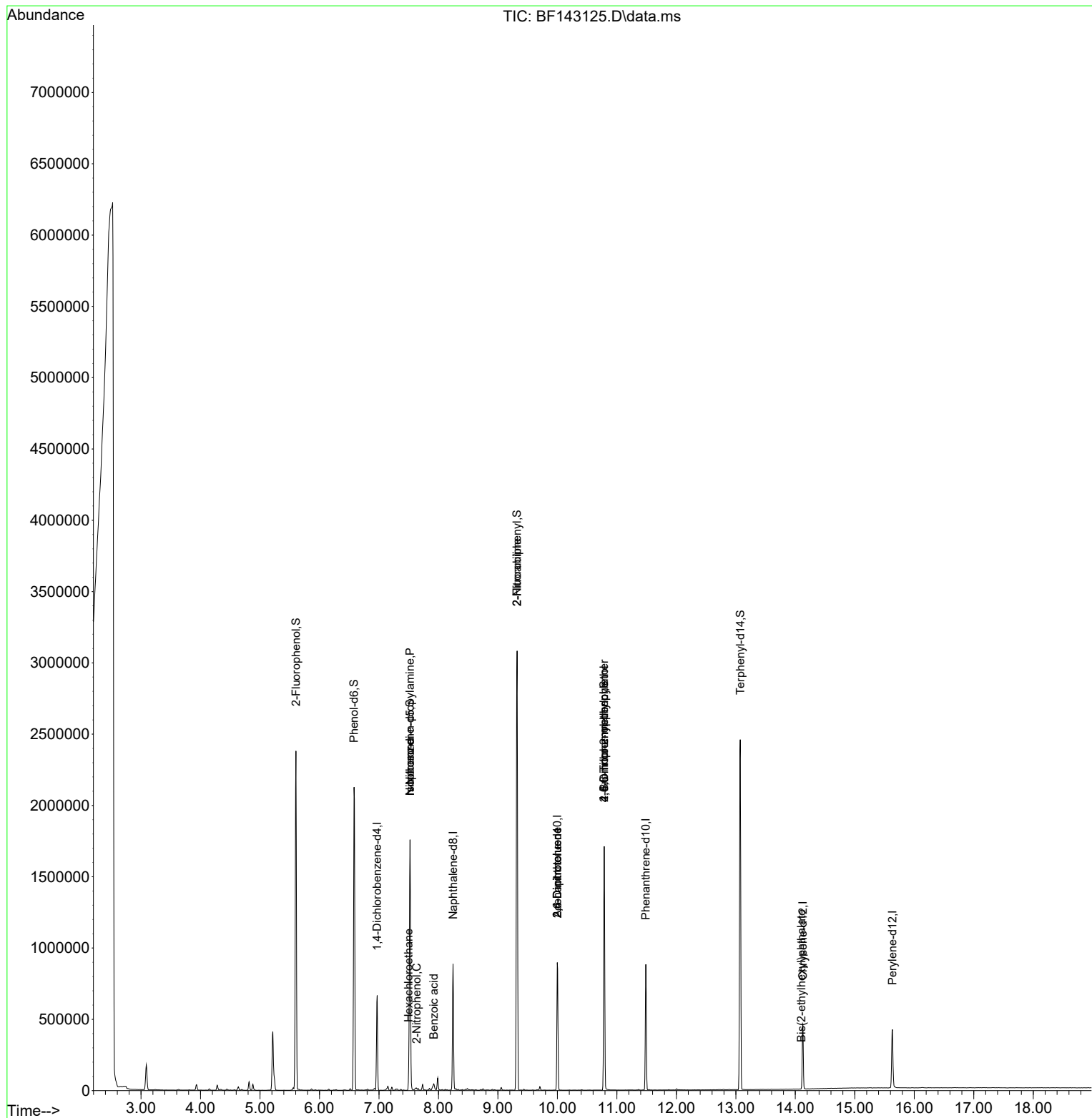
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	135703	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	519161	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	263439	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	430869	20.000	ng	0.00
76) Chrysene-d12	14.127	240	225535	20.000	ng	0.00
86) Perylene-d12	15.633	264	242433	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	879190	102.360	ng	0.02
7) Phenol-d6	6.581	99	1024827	94.922	ng	0.00
23) Nitrobenzene-d5	7.522	82	756837	81.780	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	289742	123.349	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1386618	69.967	ng	0.00
79) Terphenyl-d14	13.074	244	1207177	78.243	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.498	117	7522	2.356	ng	# 1
19) n-Nitroso-di-n-propyla...	7.522	70	101309	15.316	ng	# 81
25) Isophorone	7.522	82	755263	42.223	ng	# 65
26) 2-Nitrophenol	7.634	139	57	3.945	ng	# 32
32) Benzoic acid	7.922	122	12607	9.154	ng	# 98
48) 2-Nitroaniline	9.322	65	2545	3.691	ng	# 1
51) 2,6-Dinitrotoluene	9.998	165	33878	12.538	ng	# 17
57) 2,4-Dinitrotoluene	9.998	165	33878	11.096	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.786	198	696	5.917	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	18033	3.680	ng	# 1
84) Bis(2-ethylhexyl)phtha...	14.104	149	389	3.468	ng	# 53

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

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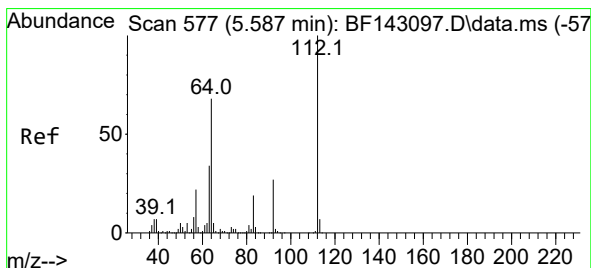
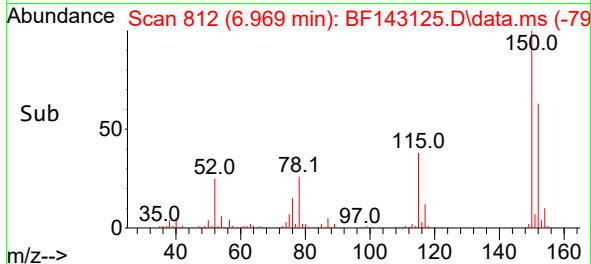
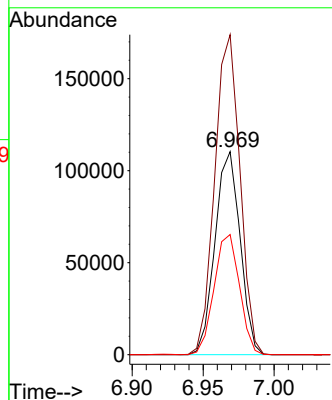
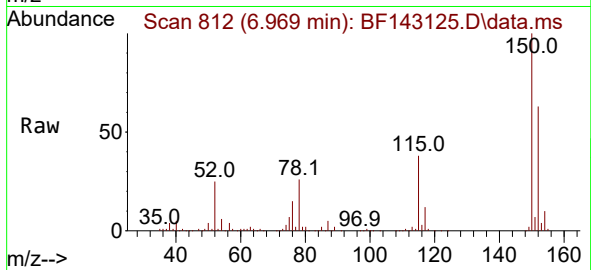




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF143125.D
Acq: 16 Jul 2025 23:37

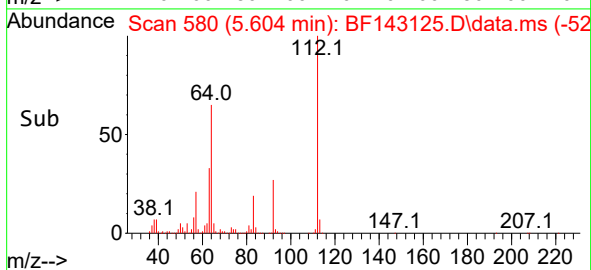
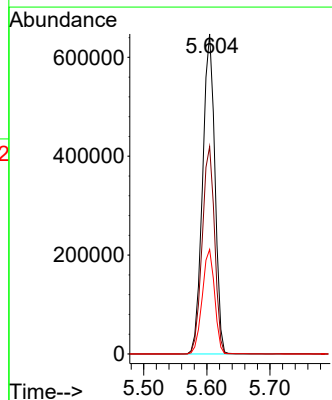
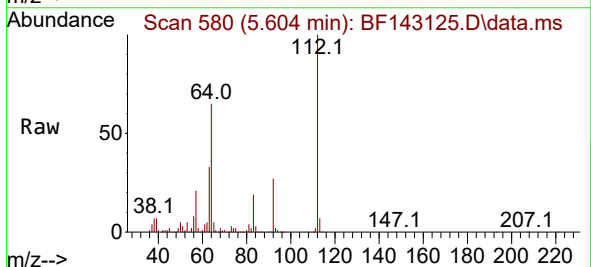
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BNA_F
ClientSampleId :
STOCK-PILE

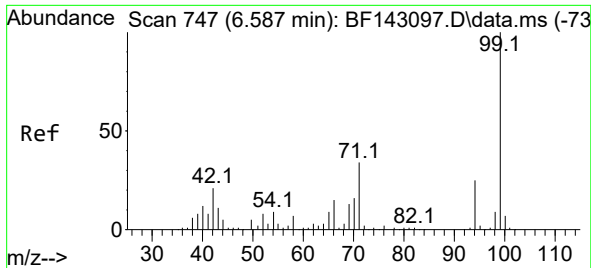
Tgt Ion:152 Resp: 135703
Ion Ratio Lower Upper
152 100
150 157.5 126.5 189.7
115 59.2 47.0 70.6



#5
2-Fluorophenol
Concen: 102.360 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF143125.D
Acq: 16 Jul 2025 23:37

Tgt Ion:112 Resp: 879190
Ion Ratio Lower Upper
112 100
64 64.8 54.6 82.0
63 32.7 27.3 40.9

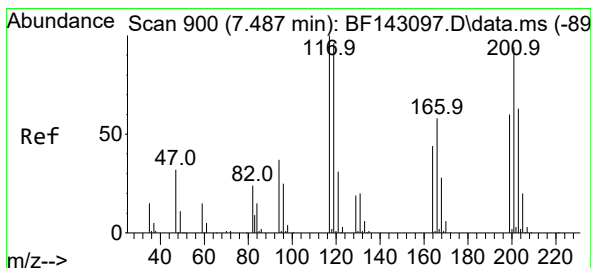
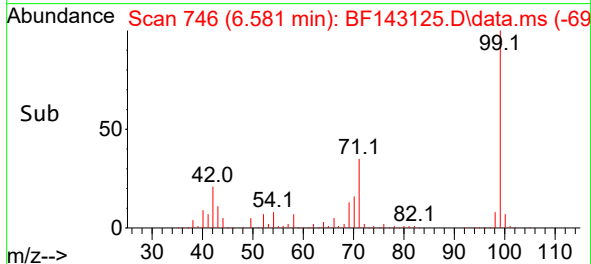
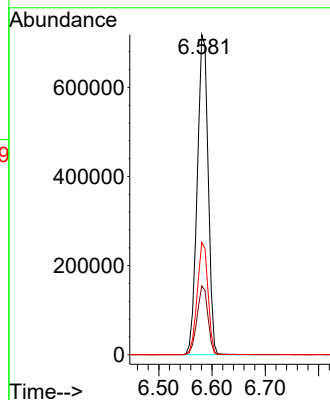
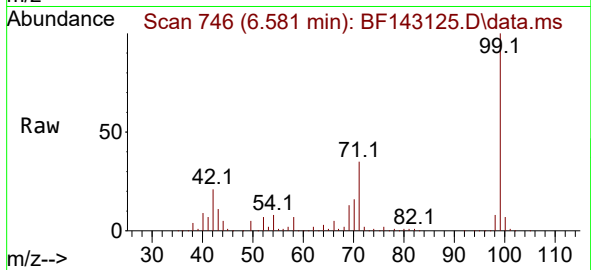




#7
Phenol-d6
Concen: 94.922 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143125.D
Acq: 16 Jul 2025 23:37

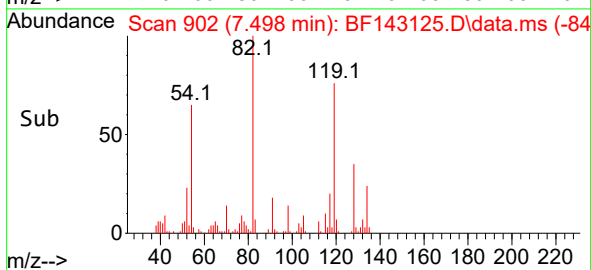
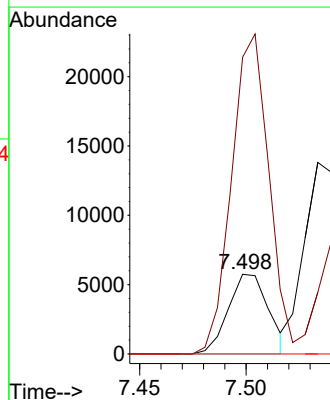
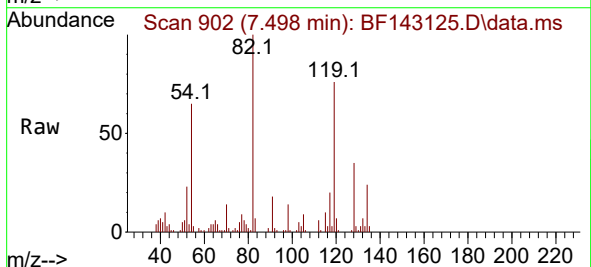
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

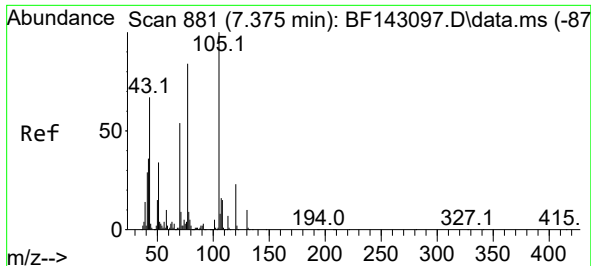
Tgt Ion: 99 Resp: 1024827
Ion Ratio Lower Upper
99 100
42 21.5 17.2 25.8
71 35.1 27.4 41.0



#18
Hexachloroethane
Concen: 2.356 ng
RT: 7.498 min Scan# 902
Delta R.T. 0.012 min
Lab File: BF143125.D
Acq: 16 Jul 2025 23:37

Tgt Ion: 117 Resp: 7522
Ion Ratio Lower Upper
117 100
119 372.5 76.7 115.1#
201 0.0 75.0 112.4#

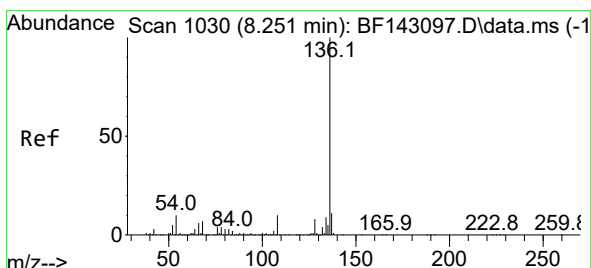
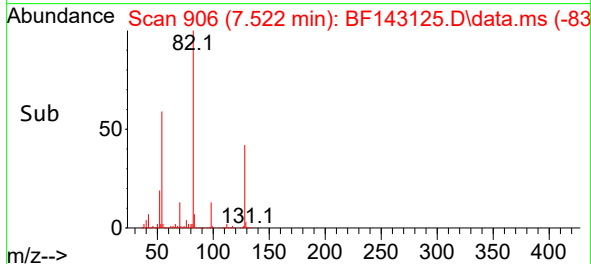
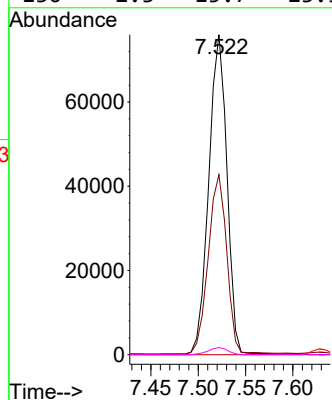
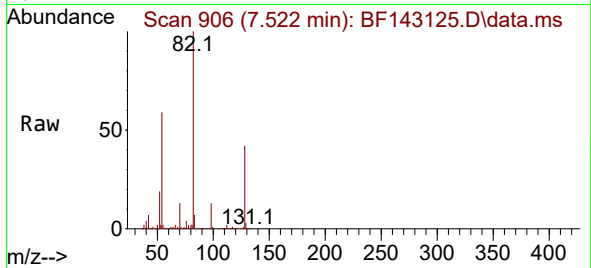




#19
n-Nitroso-di-n-propylamine
Concen: 15.316 ng
RT: 7.522 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF143125.D
Acq: 16 Jul 2025 23:37

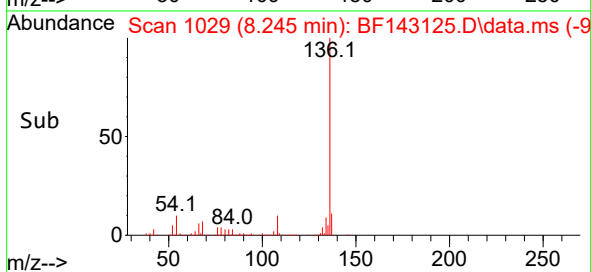
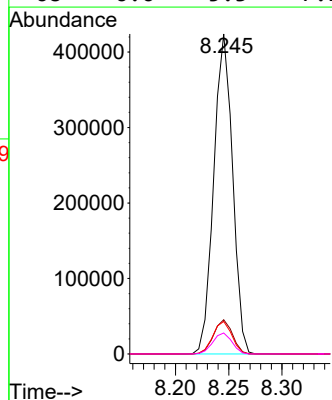
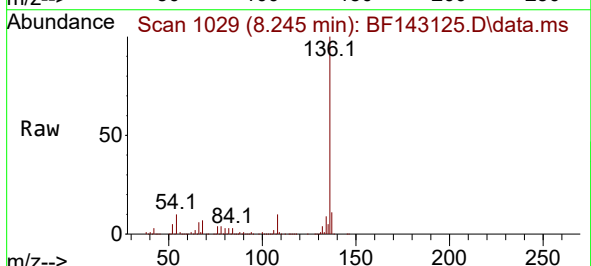
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

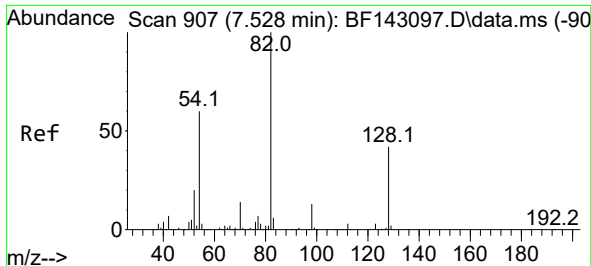
Tgt Ion: 70 Resp: 101309
Ion Ratio Lower Upper
70 100
42 56.2 53.2 79.8
101 0.0 7.5 11.3#
130 2.3 15.7 23.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF143125.D
Acq: 16 Jul 2025 23:37

Tgt Ion: 136 Resp: 519161
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 10.1 8.3 12.5
68 6.6 5.3 7.9





#23

Nitrobenzene-d5

Concen: 81.780 ng

RT: 7.522 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF143125.D

Acq: 16 Jul 2025 23:37

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE

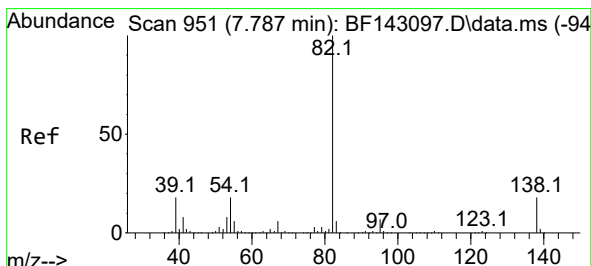
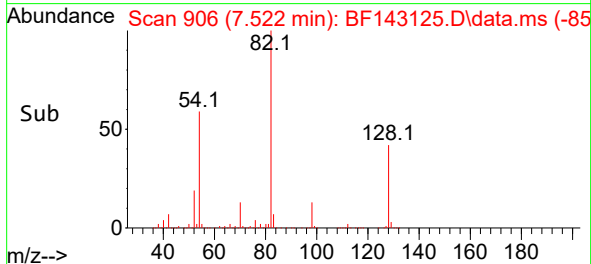
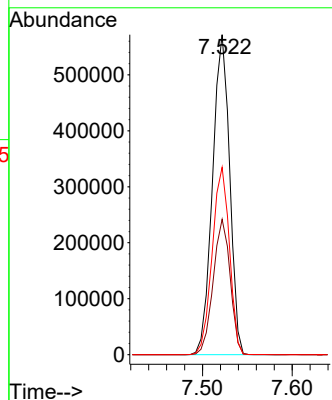
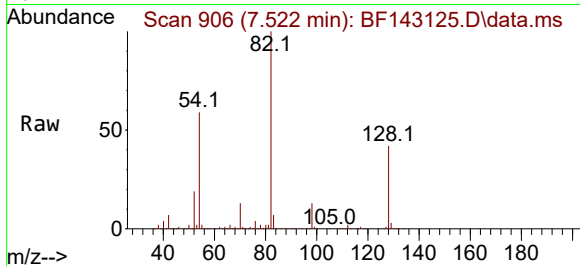
Tgt Ion: 82 Resp: 756837

Ion Ratio Lower Upper

82 100

128 42.3 33.3 49.9

54 58.5 47.4 71.2



#25

Isophorone

Concen: 42.223 ng

RT: 7.522 min Scan# 906

Delta R.T. -0.265 min

Lab File: BF143125.D

Acq: 16 Jul 2025 23:37

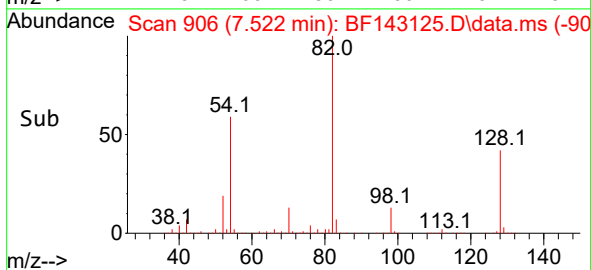
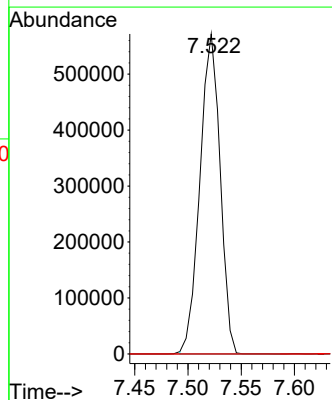
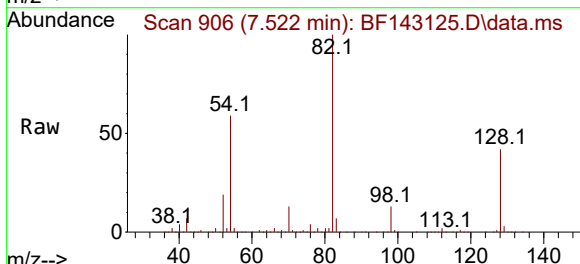
Tgt Ion: 82 Resp: 755263

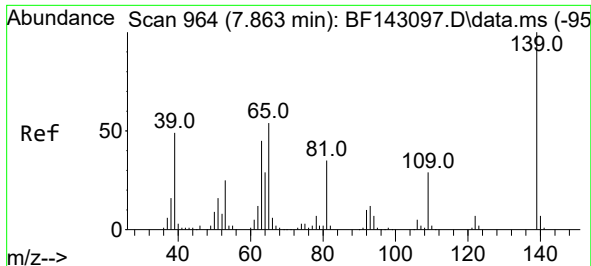
Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.3 21.5#

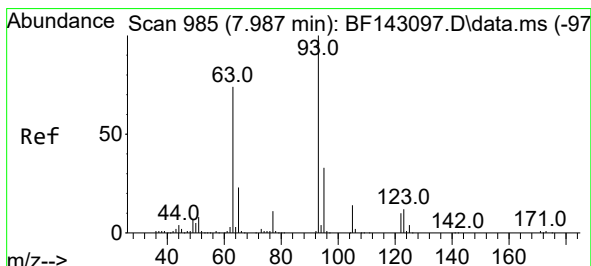
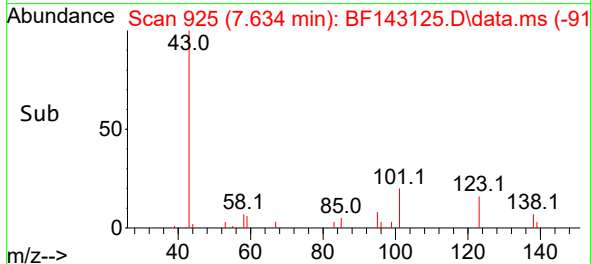
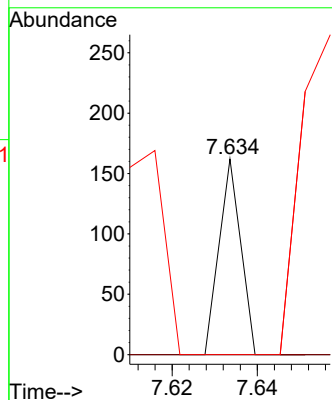
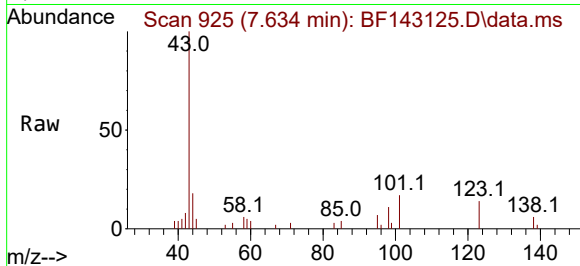




#26
2-Nitrophenol
Concen: 3.945 ng
RT: 7.634 min Scan# 91
Delta R.T. -0.229 min
Lab File: BF143125.D
Acq: 16 Jul 2025 23:37

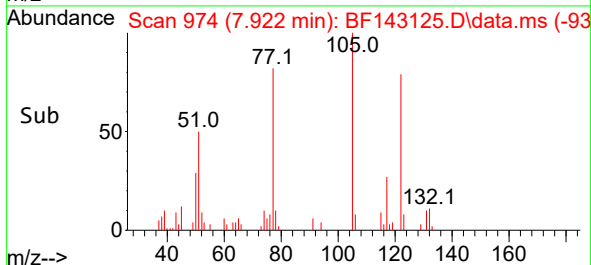
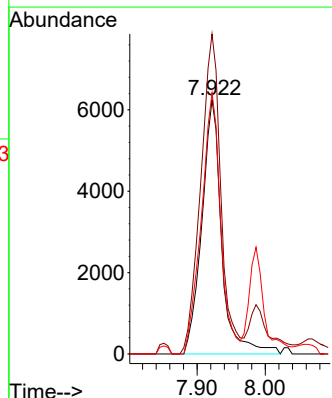
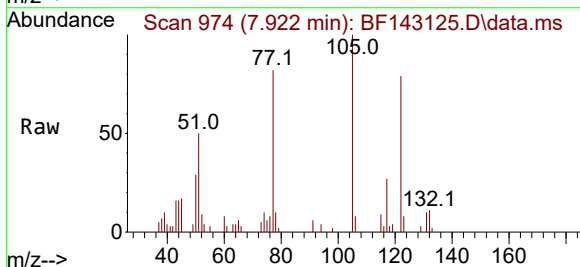
Instrument :
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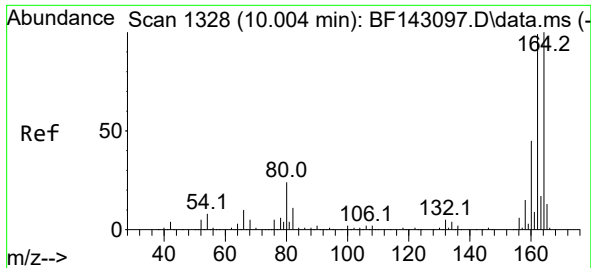
Tgt Ion:139 Resp: 57
Ion Ratio Lower Upper
139 100
109 0.0 23.4 35.0#
65 0.0 43.4 65.2#



#32
Benzoic acid
Concen: 9.154 ng
RT: 7.922 min Scan# 974
Delta R.T. -0.065 min
Lab File: BF143125.D
Acq: 16 Jul 2025 23:37

Tgt Ion:122 Resp: 12607
Ion Ratio Lower Upper
122 100
105 126.0 105.4 145.4
77 102.9 78.6 118.6

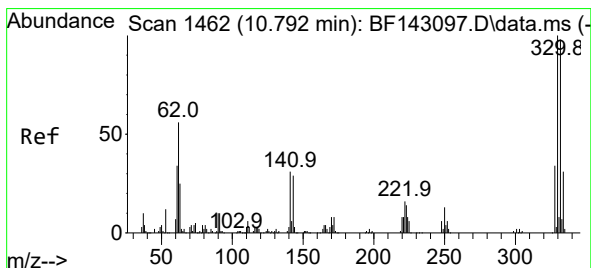
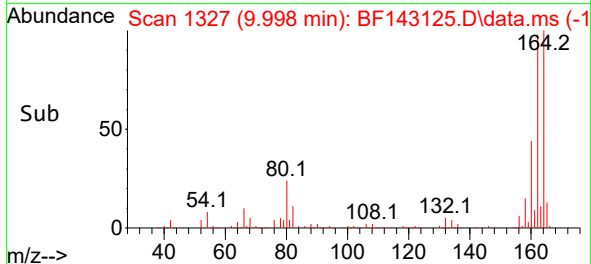
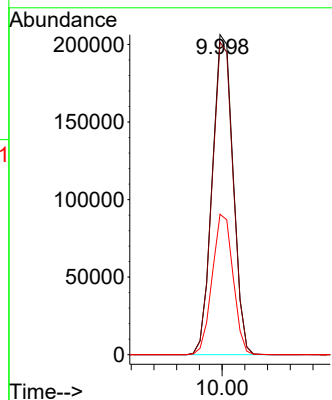
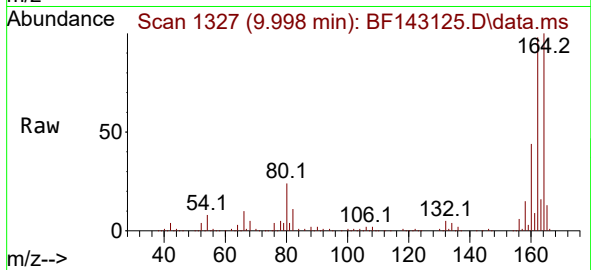




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF143125.D
Acq: 16 Jul 2025 23:37

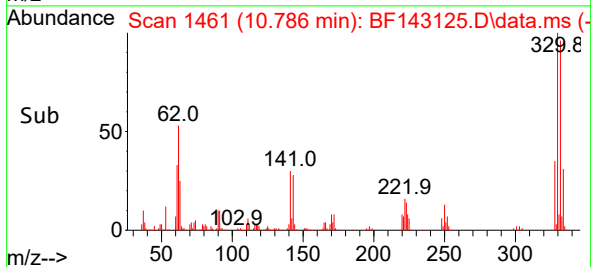
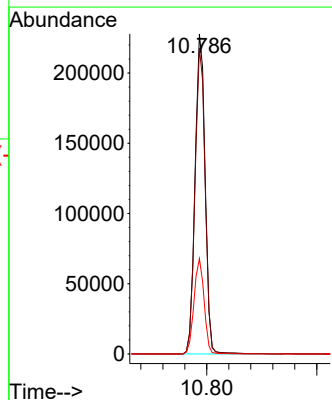
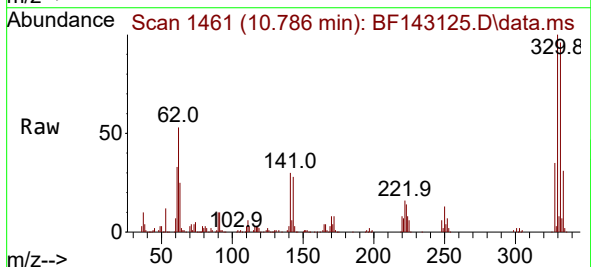
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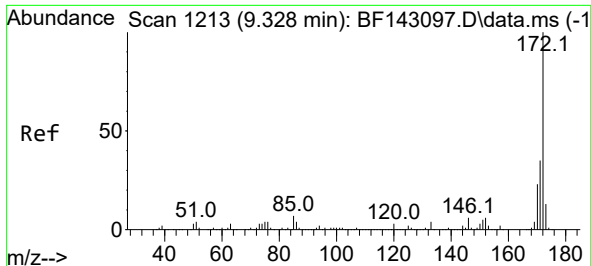
Tgt Ion:164 Resp: 263439
Ion Ratio Lower Upper
164 100
162 97.7 79.0 118.6
160 43.9 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 123.349 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143125.D
Acq: 16 Jul 2025 23:37

Tgt Ion:330 Resp: 289742
Ion Ratio Lower Upper
330 100
332 95.9 77.9 116.9
141 29.8 25.9 38.9





#45

2-Fluorobiphenyl

Concen: 69.967 ng

RT: 9.322 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF143125.D

Acq: 16 Jul 2025 23:37

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE

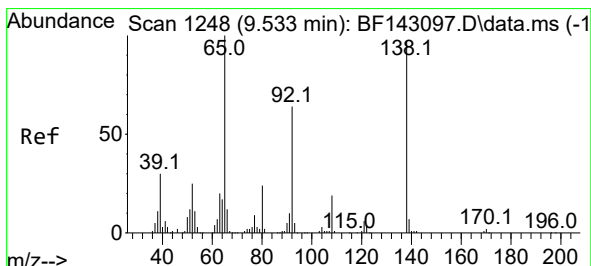
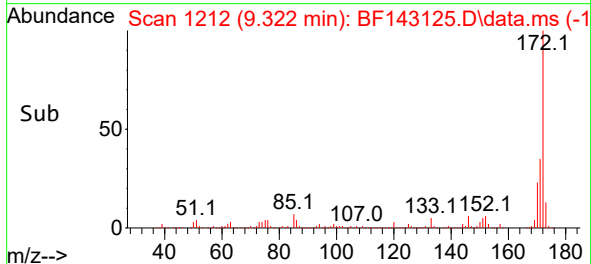
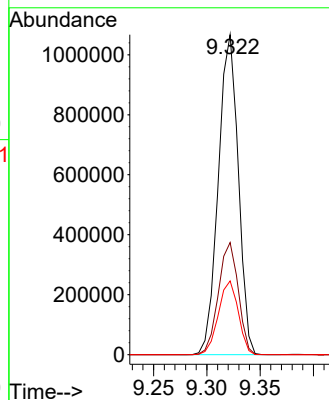
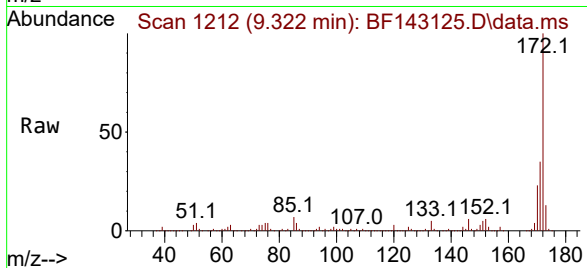
Tgt Ion:172 Resp: 1386618

Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 23.0 18.6 28.0



#48

2-Nitroaniline

Concen: 3.691 ng

RT: 9.322 min Scan# 1212

Delta R.T. -0.211 min

Lab File: BF143125.D

Acq: 16 Jul 2025 23:37

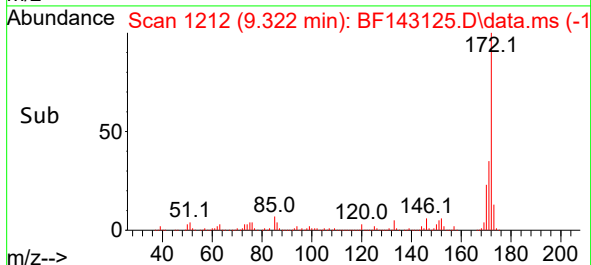
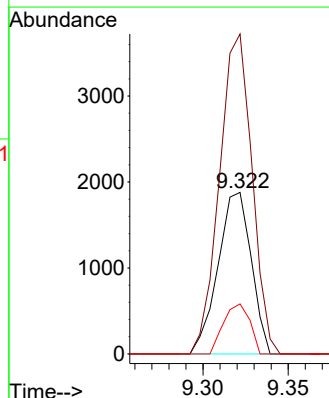
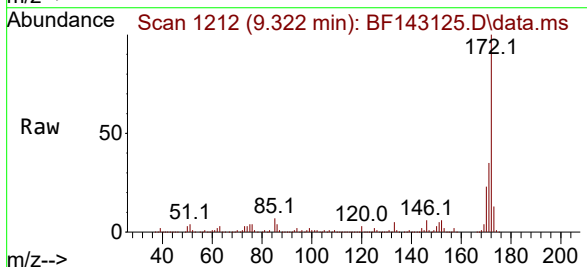
Tgt Ion: 65 Resp: 2545

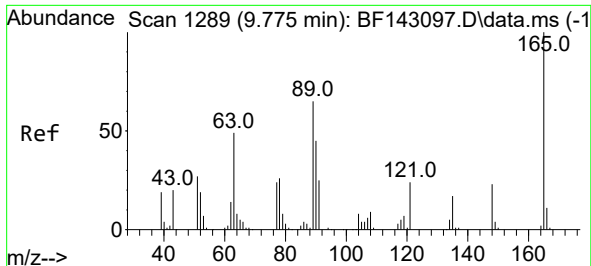
Ion Ratio Lower Upper

65 100

92 198.1 51.3 76.9#

138 31.0 77.8 116.6#

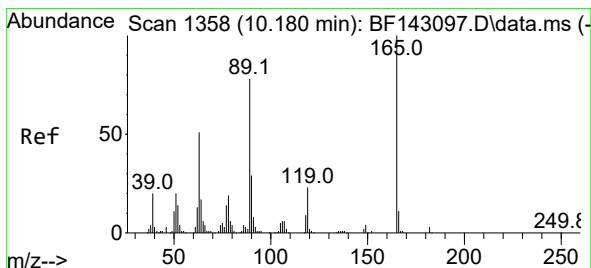
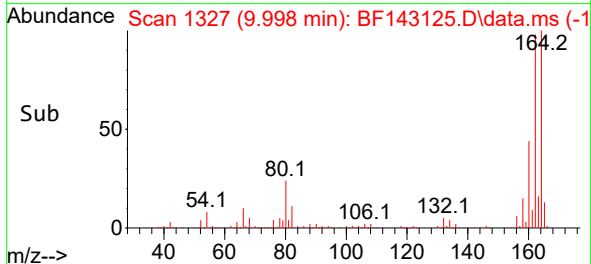
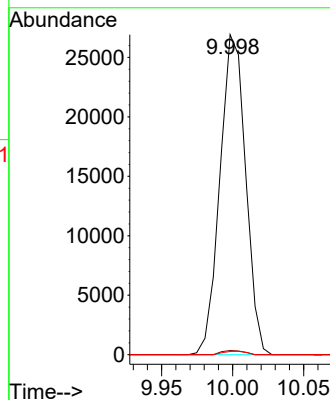
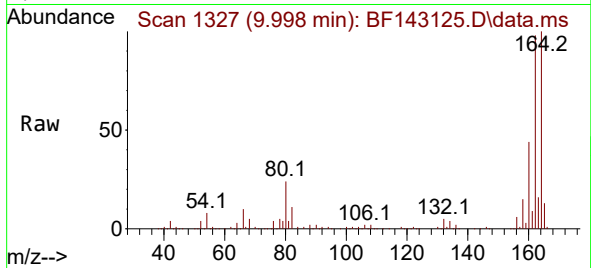




#51
2,6-Dinitrotoluene
Concen: 12.538 ng
RT: 9.998 min Scan# 11
Delta R.T. 0.223 min
Lab File: BF143125.D
Acq: 16 Jul 2025 23:37

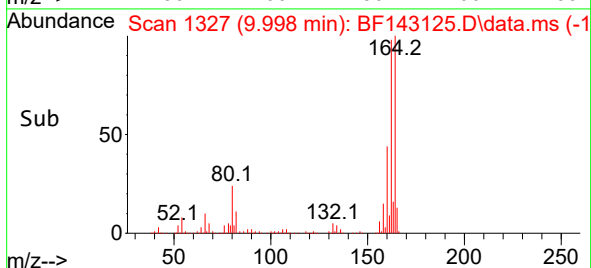
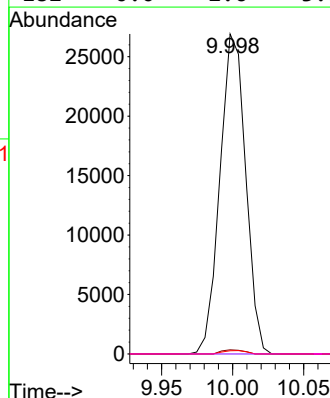
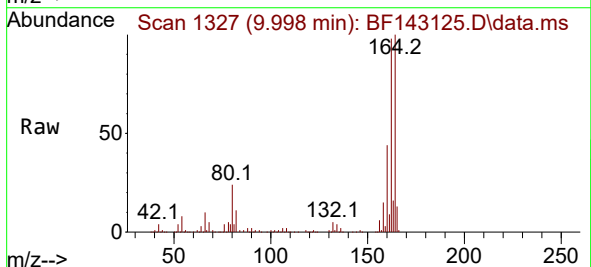
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

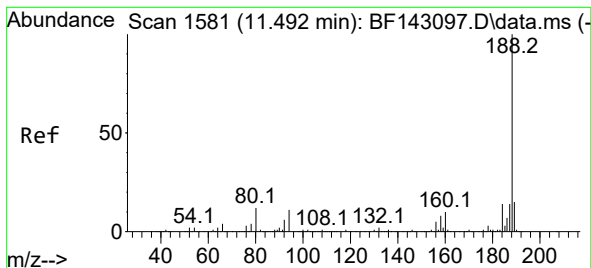
Tgt Ion:165 Resp: 33878
Ion Ratio Lower Upper
165 100
63 1.3 57.4 86.0#
89 1.0 51.8 77.8#



#57
2,4-Dinitrotoluene
Concen: 11.096 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.182 min
Lab File: BF143125.D
Acq: 16 Jul 2025 23:37

Tgt Ion:165 Resp: 33878
Ion Ratio Lower Upper
165 100
63 1.3 40.6 61.0#
89 1.0 62.3 93.5#
182 0.0 2.6 3.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143125.D

Acq: 16 Jul 2025 23:37

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE

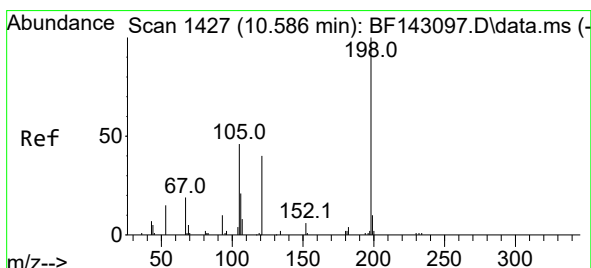
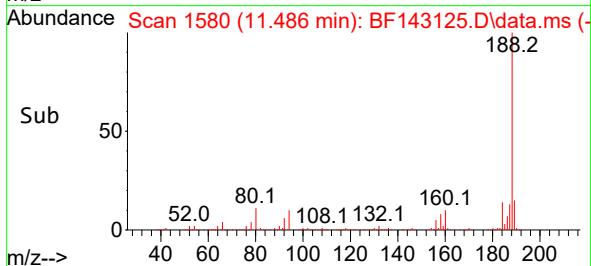
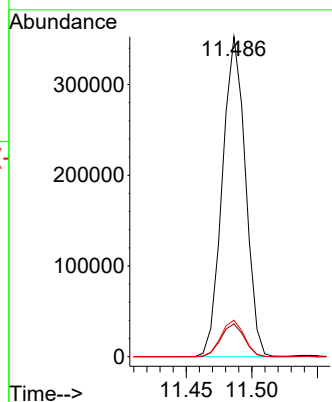
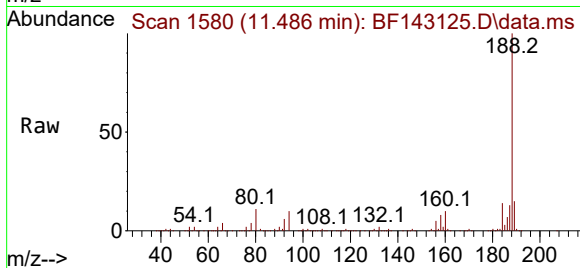
Tgt Ion:188 Resp: 430869

Ion Ratio Lower Upper

188 100

94 10.2 8.6 13.0

80 11.4 9.3 13.9



#65

4,6-Dinitro-2-methylphenol

Concen: 5.917 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.200 min

Lab File: BF143125.D

Acq: 16 Jul 2025 23:37

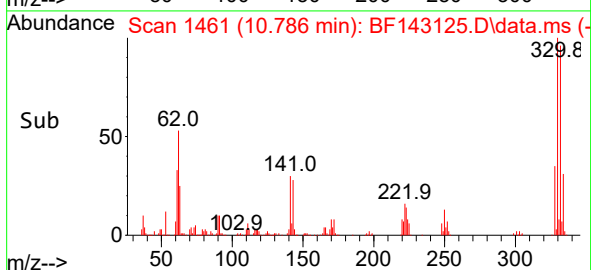
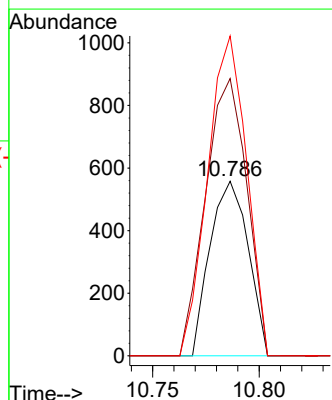
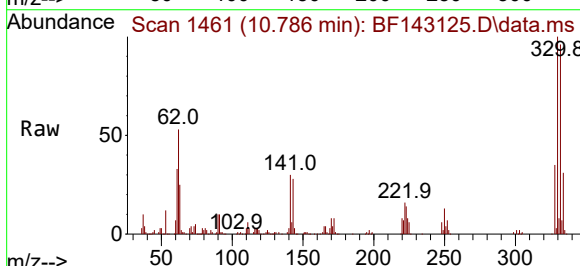
Tgt Ion:198 Resp: 696

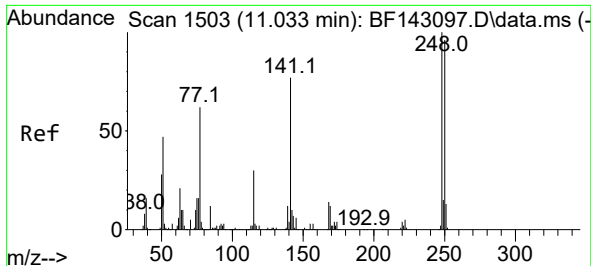
Ion Ratio Lower Upper

198 100

51 158.8 44.6 84.6#

105 183.2 29.3 69.3#

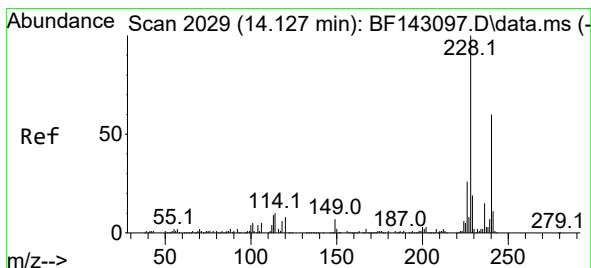
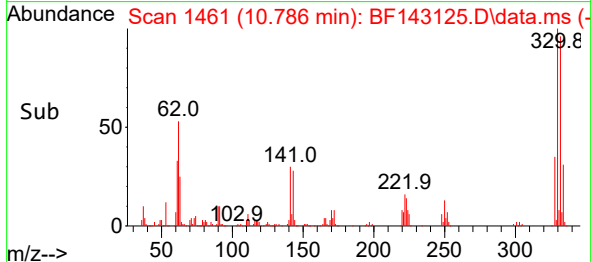
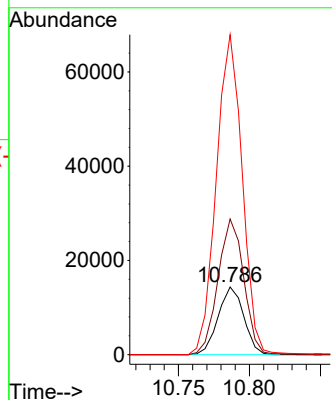
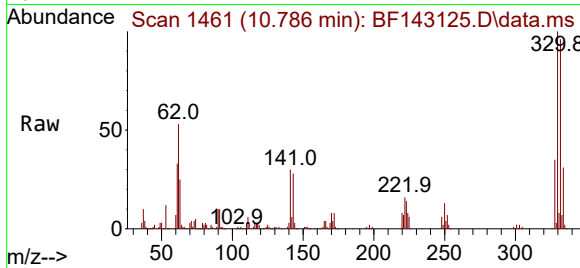




#67
4-Bromophenyl-phenylether
Concen: 3.680 ng
RT: 10.786 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF143125.D
Acq: 16 Jul 2025 23:37

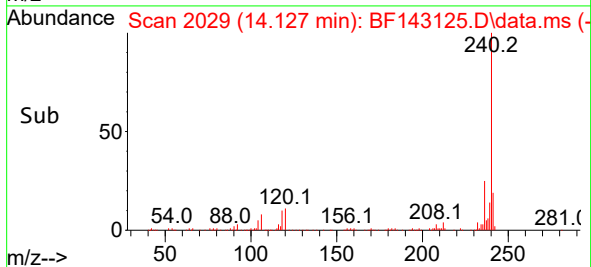
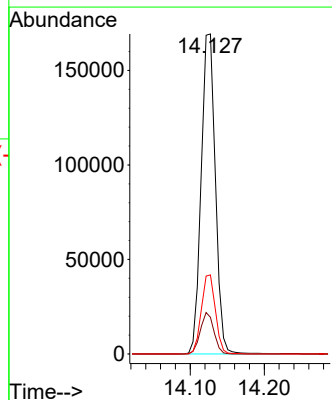
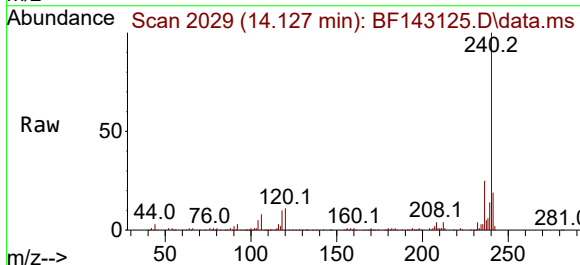
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

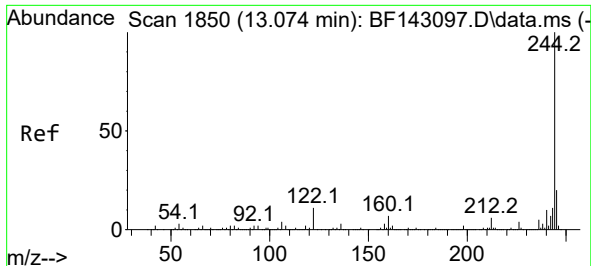
Tgt Ion:248 Resp: 18033
Ion Ratio Lower Upper
248 100
250 200.3 76.7 115.1#
141 472.4 61.7 92.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143125.D
Acq: 16 Jul 2025 23:37

Tgt Ion:240 Resp: 225535
Ion Ratio Lower Upper
240 100
120 11.5 10.0 15.0
236 24.7 20.0 30.0

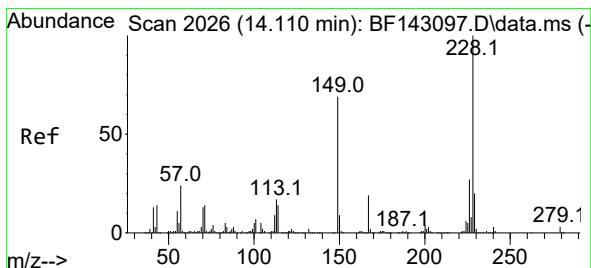
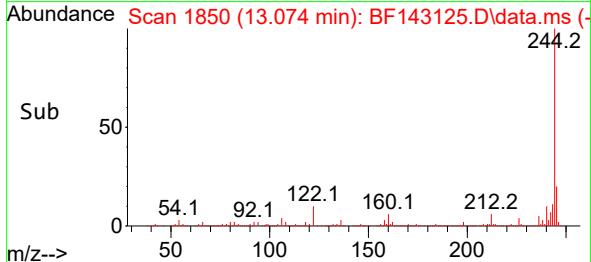
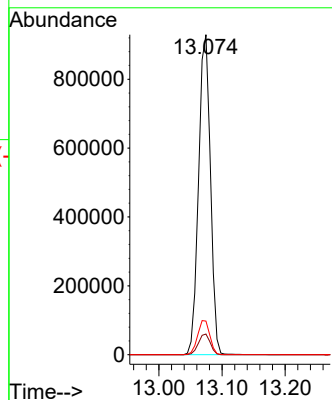
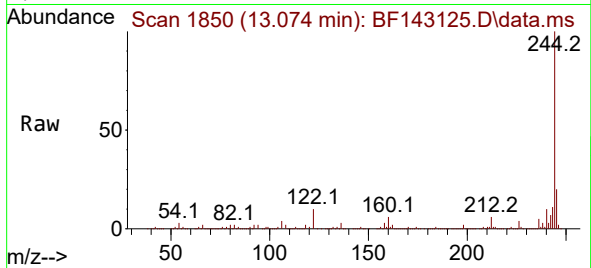




#79
 Terphenyl-d14
 Concen: 78.243 ng
 RT: 13.074 min Scan# 1850
 Delta R.T. 0.000 min
 Lab File: BF143125.D
 Acq: 16 Jul 2025 23:37

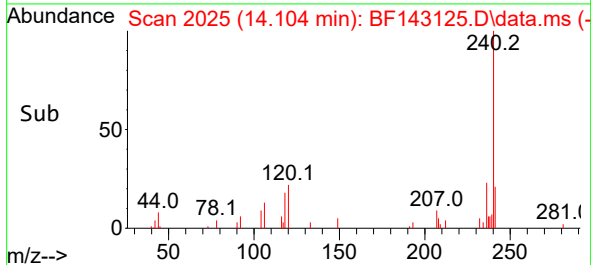
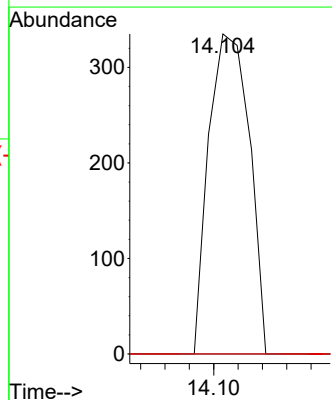
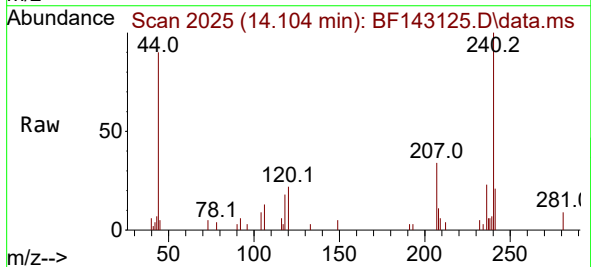
Instrument :
 BNA_F
 ClientSampleId :
 STOCK-PILE

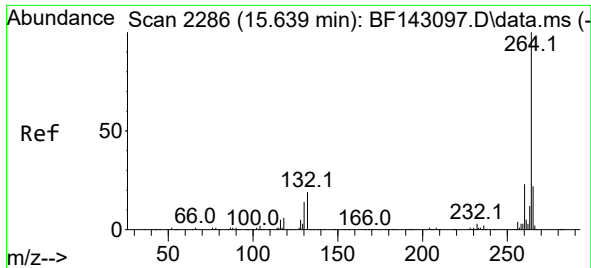
Tgt Ion:244 Resp: 1207177
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.2 7.8
 122 10.5 8.8 13.2



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.468 ng
 RT: 14.104 min Scan# 2025
 Delta R.T. -0.006 min
 Lab File: BF143125.D
 Acq: 16 Jul 2025 23:37

Tgt Ion:149 Resp: 389
 Ion Ratio Lower Upper
 149 100
 167 0.0 21.9 32.9#
 279 0.0 3.4 5.0#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.633 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF143125.D
 Acq: 16 Jul 2025 23:37

Instrument :
 BNA_F
 ClientSampleId :
 STOCK-PILE

Tgt Ion:264 Resp: 242433
 Ion Ratio Lower Upper
 264 100
 260 22.6 18.5 27.7
 265 21.0 17.5 26.3

