

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082225\
 Data File : BF143574.D
 Acq On : 22 Aug 2025 15:54
 Operator : RC/JU
 Sample : Q2903-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-02-081925

Quant Time: Aug 22 16:46:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

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

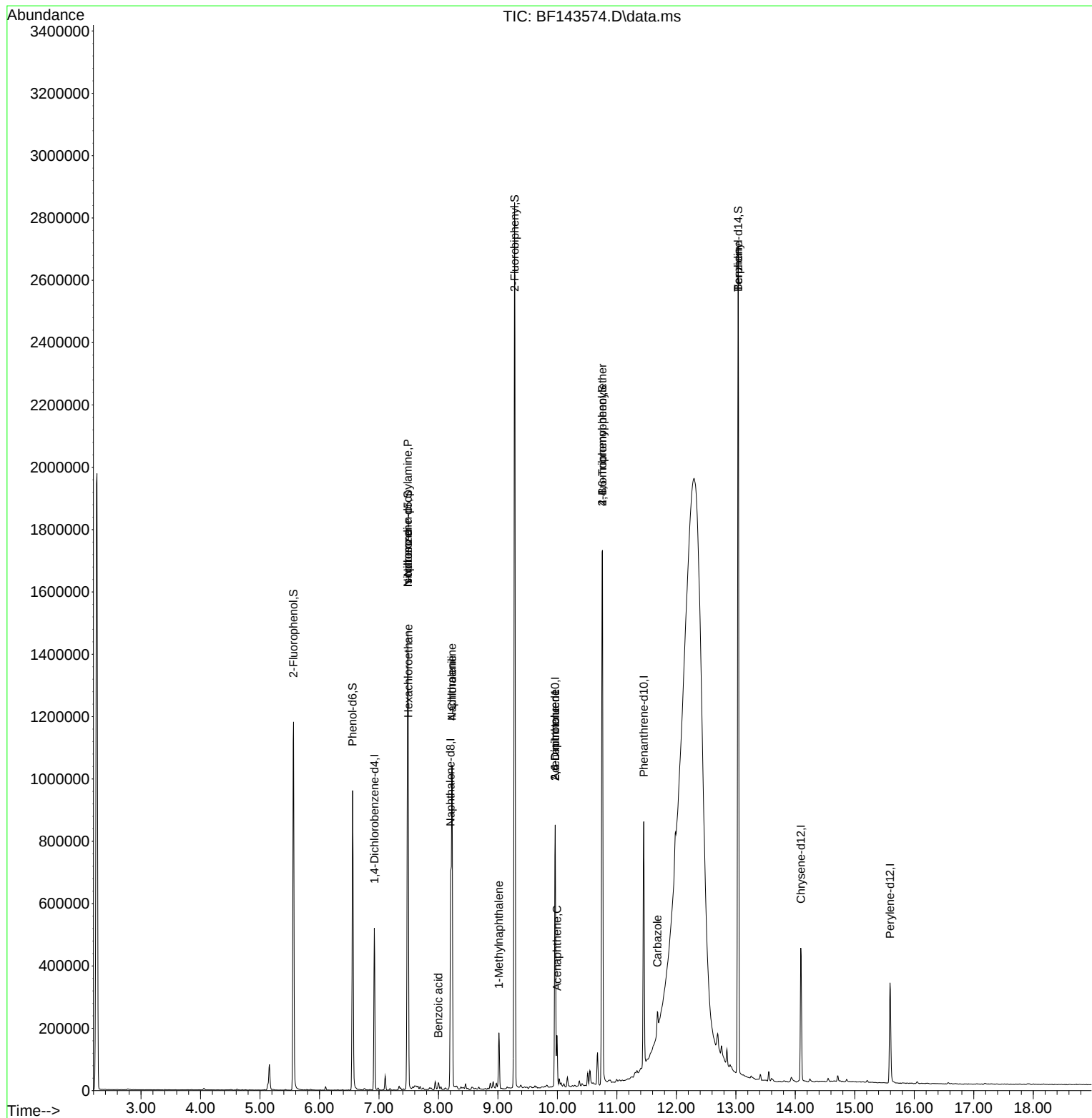
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	103766	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	414035	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	247803	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	387247	20.000	ng	0.00
76) Chrysene-d12	14.092	240	209004	20.000	ng	-0.01
86) Perylene-d12	15.592	264	198825	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	413666	69.611	ng	0.00
7) Phenol-d6	6.557	99	405801	55.318	ng	-0.02
23) Nitrobenzene-d5	7.487	82	683773	96.372	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	312596	135.518	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1246727	83.148	ng	0.00
79) Terphenyl-d14	13.039	244	1263786	105.517	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.492	117	6340	2.521	ng	# 2
19) n-Nitroso-di-n-propyla...	7.487	70	97766	21.805	ng	# 79
25) Isophorone	7.487	82	660961	50.820	ng	# 65
31) Naphthalene	8.228	128	604609	30.416	ng	# 99
32) Benzoic acid	7.998	122	3042	6.372	ng	# 20
33) 4-Chloroaniline	8.228	127	81793	11.593	ng	# 34
38) 1-Methylnaphthalene	9.016	142	62633	4.932	ng	# 98
51) 2,6-Dinitrotoluene	9.963	165	31902	10.314	ng	# 26
52) Acenaphthene	9.992	154	49364	3.679	ng	# 97
57) 2,4-Dinitrotoluene	9.963	165	31902	7.724	ng	# 27
67) 4-Bromophenyl-phenylether	10.757	248	21531	4.660	ng	# 1
73) Carbazole	11.680	167	36327	2.110	ng	# 97
77) Benzidine	13.039	184	17125	3.364	ng	# 92

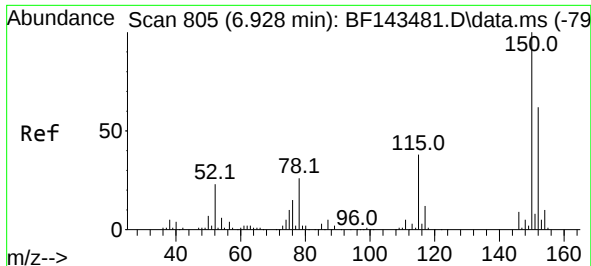
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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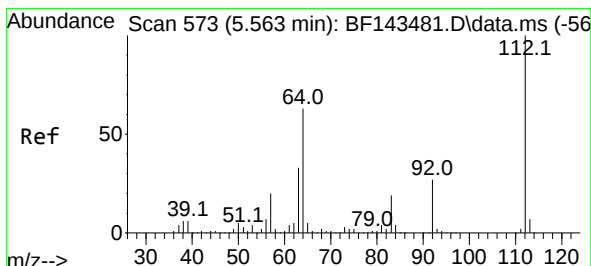
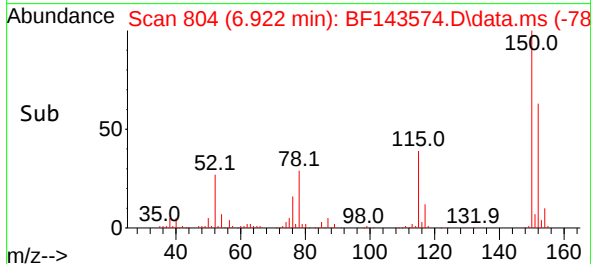
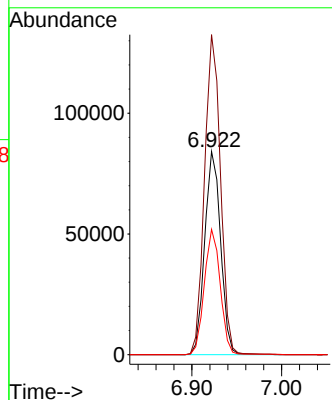
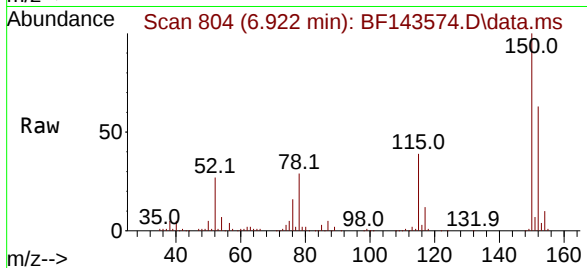




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF143574.D
Acq: 22 Aug 2025 15:54

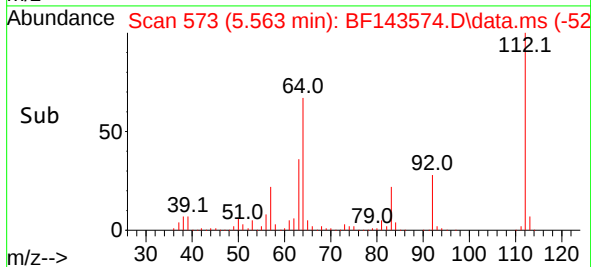
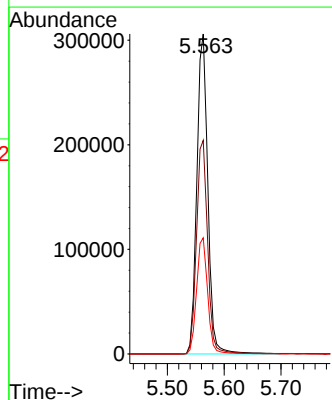
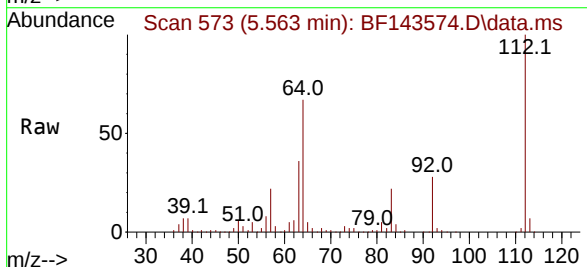
Instrument :
BNA_F
ClientSampleId :
DUP-02-081925

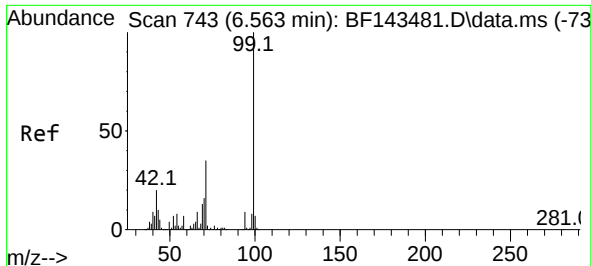
Tgt Ion:152 Resp: 103766
Ion Ratio Lower Upper
152 100
150 157.5 128.9 193.3
115 61.7 49.2 73.8



#5
2-Fluorophenol
Concen: 69.611 ng
RT: 5.563 min Scan# 573
Delta R.T. -0.000 min
Lab File: BF143574.D
Acq: 22 Aug 2025 15:54

Tgt Ion:112 Resp: 413666
Ion Ratio Lower Upper
112 100
64 66.8 50.4 75.6
63 36.3 26.4 39.6

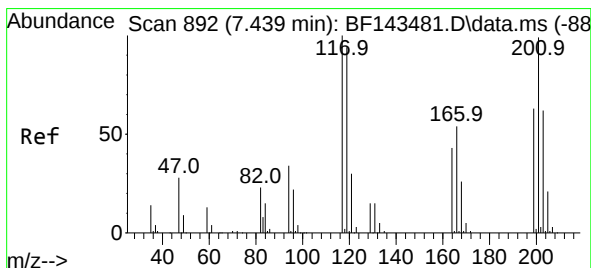
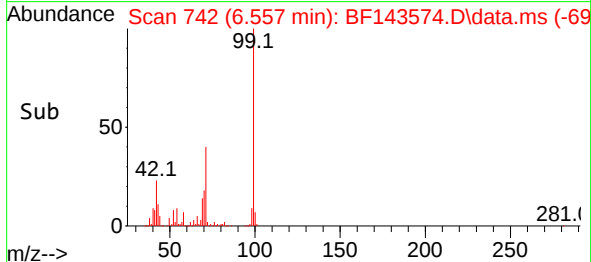
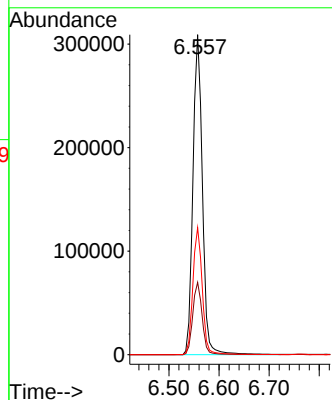
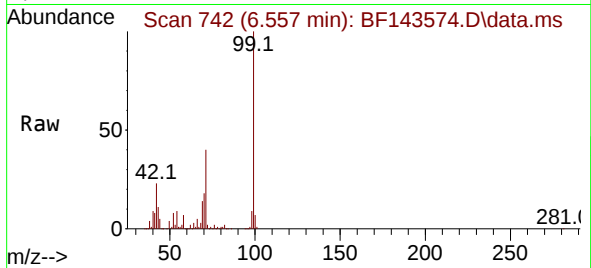




#7
Phenol-d6
Concen: 55.318 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143574.D
Acq: 22 Aug 2025 15:54

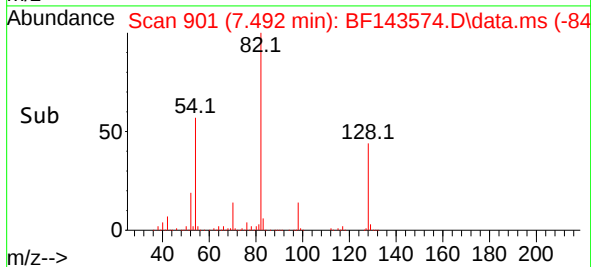
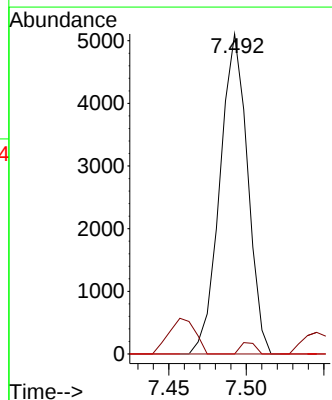
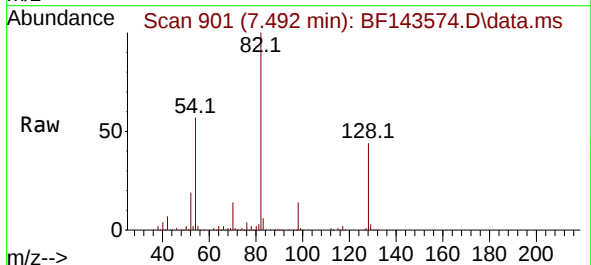
Instrument :
BNA_F
ClientSampleId :
DUP-02-081925

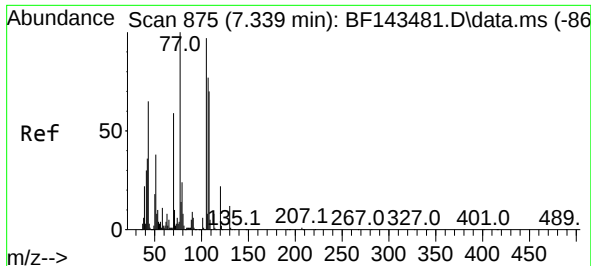
Tgt Ion: 99 Resp: 405801
Ion Ratio Lower Upper
99 100
42 22.6 16.3 24.5
71 39.7 28.2 42.2



#18
Hexachloroethane
Concen: 2.521 ng
RT: 7.492 min Scan# 901
Delta R.T. 0.047 min
Lab File: BF143574.D
Acq: 22 Aug 2025 15:54

Tgt Ion: 117 Resp: 6340
Ion Ratio Lower Upper
117 100
119 0.0 75.4 113.0#
201 0.0 79.0 118.4#

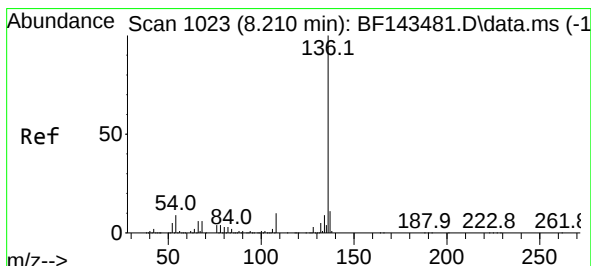
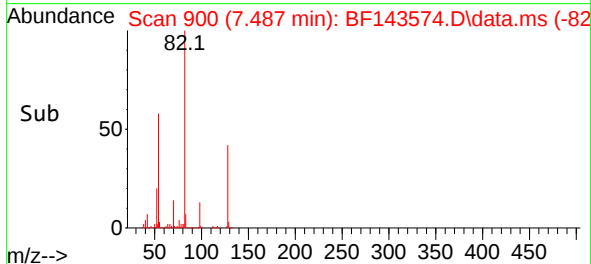
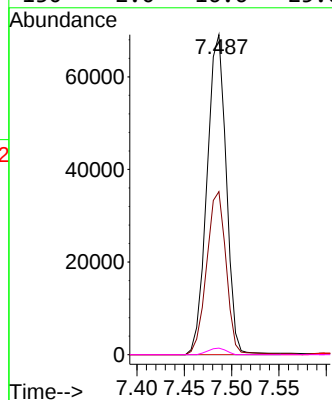
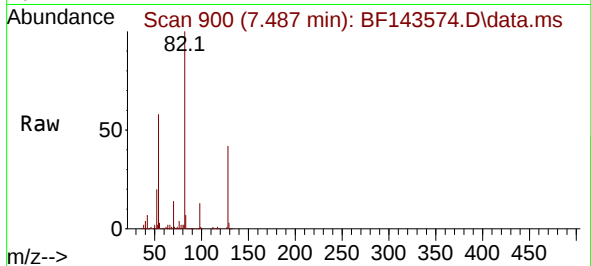




#19
n-Nitroso-di-n-propylamine
Concen: 21.805 ng
RT: 7.487 min Scan# 90
Delta R.T. 0.135 min
Lab File: BF143574.D
Acq: 22 Aug 2025 15:54

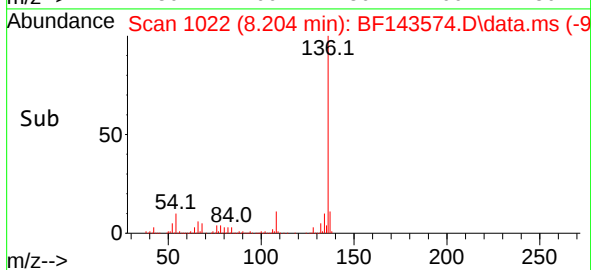
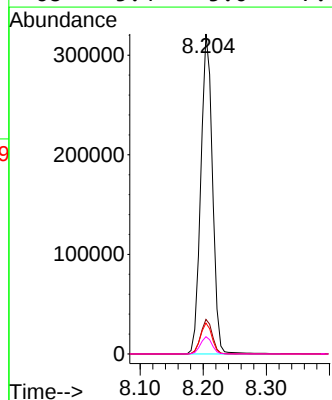
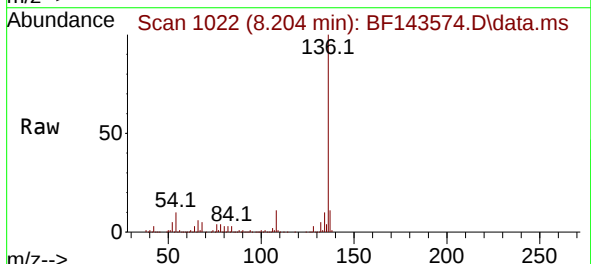
Instrument :
BNA_F
ClientSampleId :
DUP-02-081925

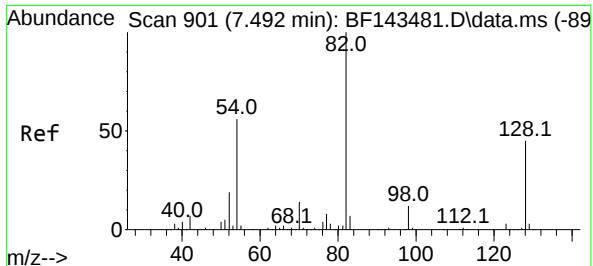
Tgt Ion:	70	Resp:	97766
Ion	Ratio	Lower	Upper
70	100		
42	50.9	49.3	73.9
101	0.0	7.8	11.8#
130	2.0	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143574.D
Acq: 22 Aug 2025 15:54

Tgt Ion:	136	Resp:	414035
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	9.7	7.4	11.2
68	5.4	5.0	7.4

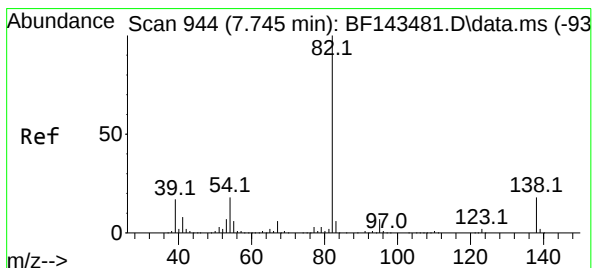
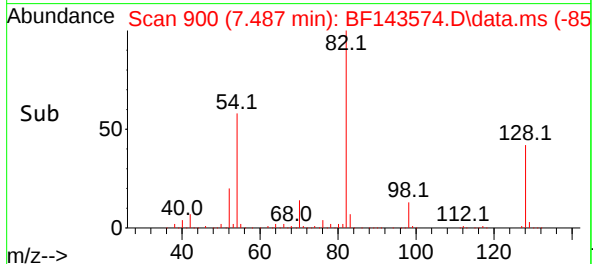
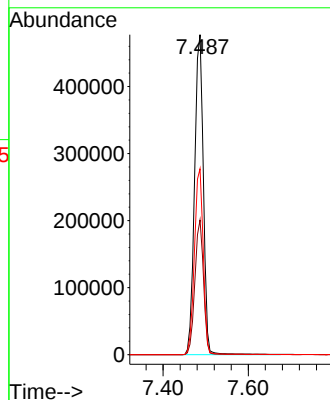
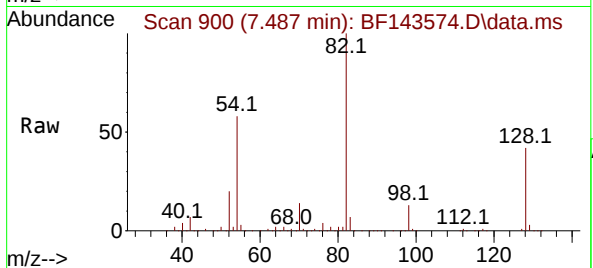




#23
Nitrobenzene-d5
Concen: 96.372 ng
RT: 7.487 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF143574.D
Acq: 22 Aug 2025 15:54

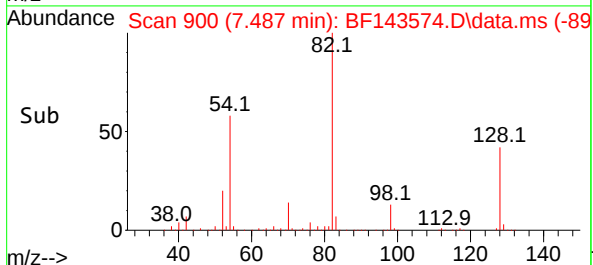
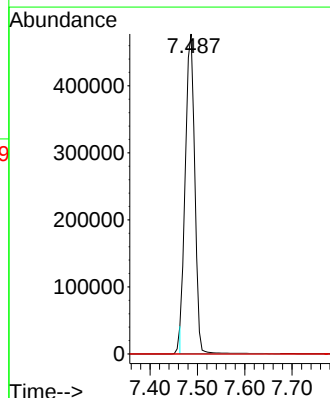
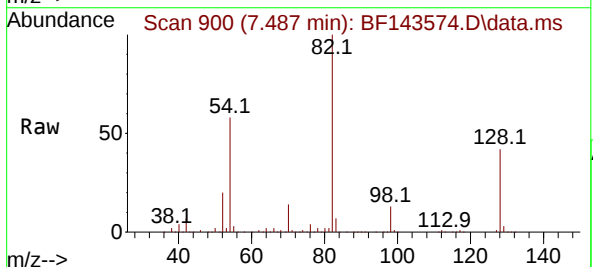
Instrument :
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ClientSampleId :
DUP-02-081925

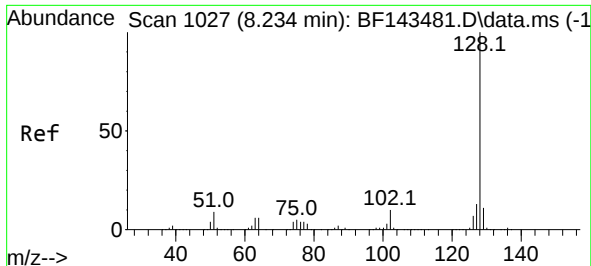
Tgt Ion: 82 Resp: 683773
Ion Ratio Lower Upper
82 100
128 42.1 35.5 53.3
54 58.1 44.3 66.5



#25
Isophorone
Concen: 50.820 ng
RT: 7.487 min Scan# 900
Delta R.T. -0.271 min
Lab File: BF143574.D
Acq: 22 Aug 2025 15:54

Tgt Ion: 82 Resp: 660961
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.2 21.4#

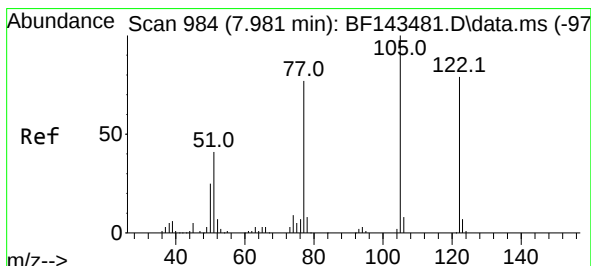
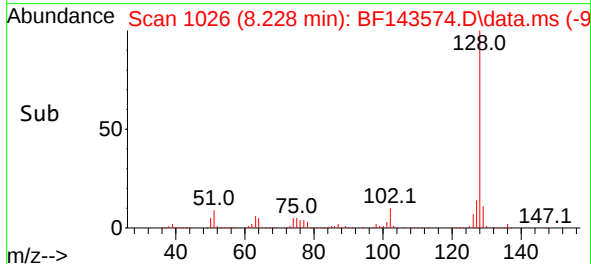
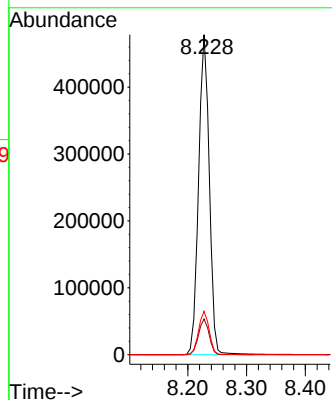
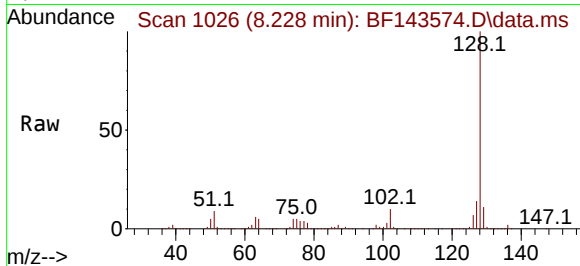




#31
Naphthalene
Concen: 30.416 ng
RT: 8.228 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF143574.D
Acq: 22 Aug 2025 15:54

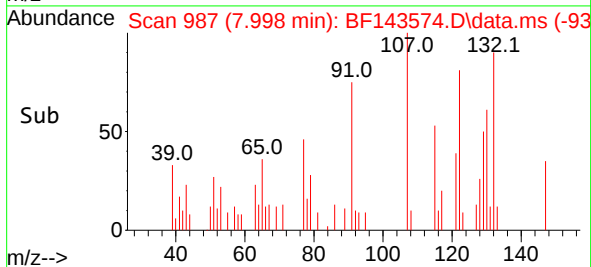
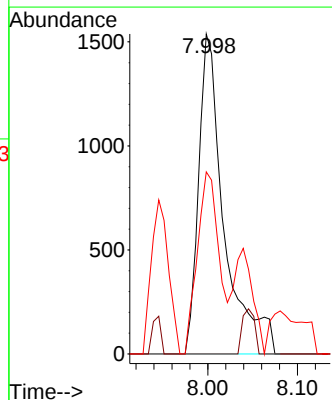
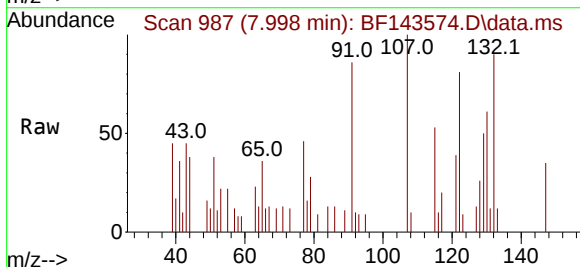
Instrument :
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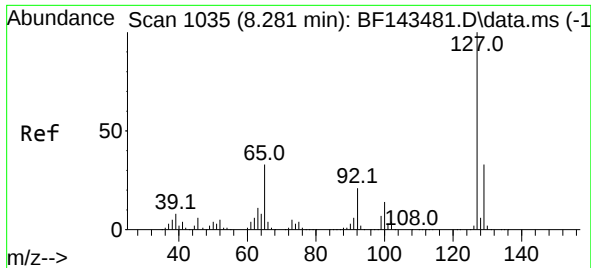
Tgt Ion:128 Resp: 604609
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 13.6 10.6 16.0



#32
Benzoic acid
Concen: 6.372 ng
RT: 7.998 min Scan# 987
Delta R.T. -0.012 min
Lab File: BF143574.D
Acq: 22 Aug 2025 15:54

Tgt Ion:122 Resp: 3042
Ion Ratio Lower Upper
122 100
105 0.0 104.7 144.7#
77 56.9 77.3 117.3#

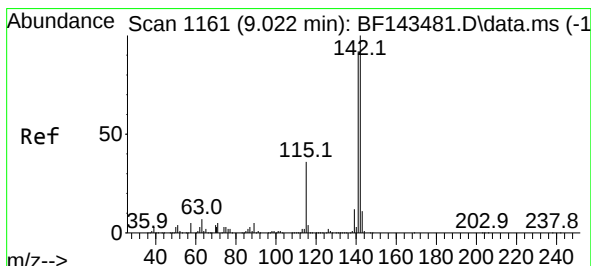
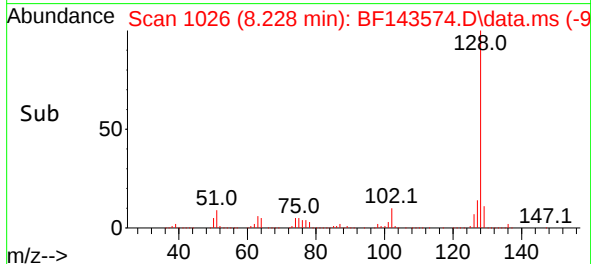
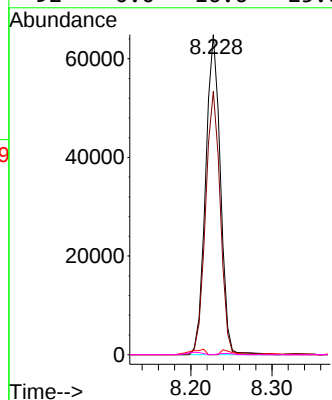
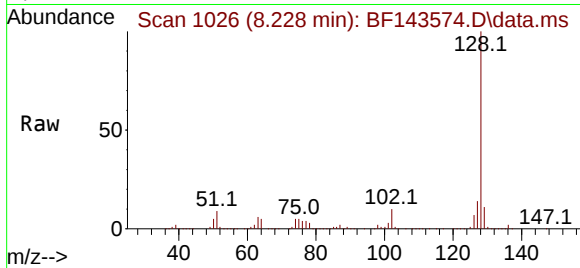




#33
4-Chloroaniline
Concen: 11.593 ng
RT: 8.228 min Scan# 1035
Delta R.T. -0.053 min
Lab File: BF143574.D
Acq: 22 Aug 2025 15:54

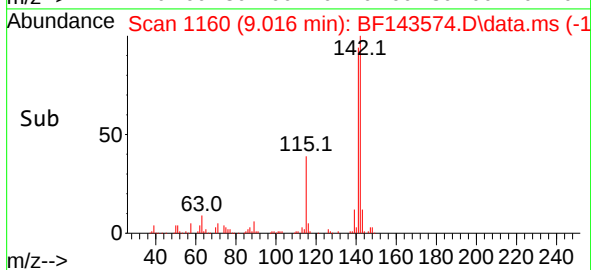
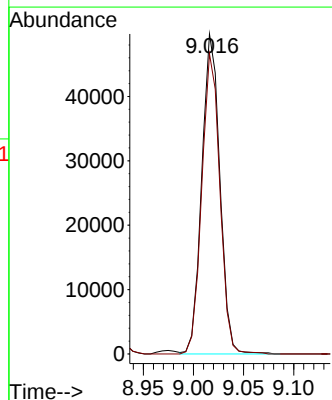
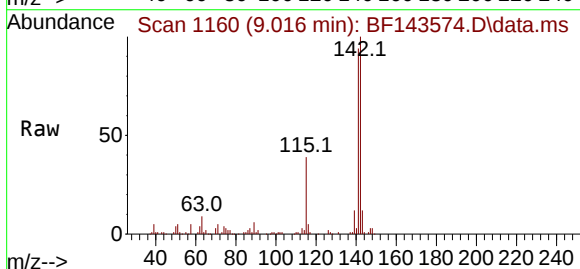
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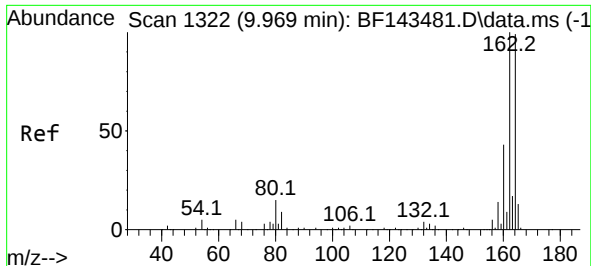
Tgt Ion:127	Resp:	81793
Ion	Ratio	Lower Upper
127	100	
129	82.3	26.1 39.1#
65	0.0	26.2 39.2#
92	0.0	16.6 25.0#



#38
1-Methylnaphthalene
Concen: 4.932 ng
RT: 9.016 min Scan# 1160
Delta R.T. -0.012 min
Lab File: BF143574.D
Acq: 22 Aug 2025 15:54

Tgt Ion:142	Resp:	62633
Ion	Ratio	Lower Upper
142	100	
141	93.8	73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143574.D

Acq: 22 Aug 2025 15:54

Instrument :

BNA_F

ClientSampleId :

DUP-02-081925

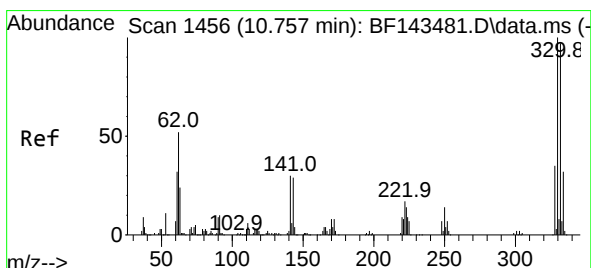
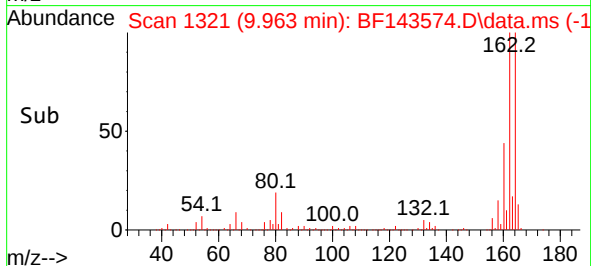
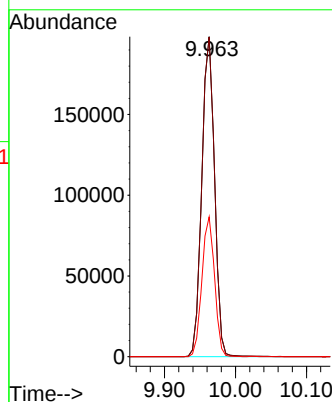
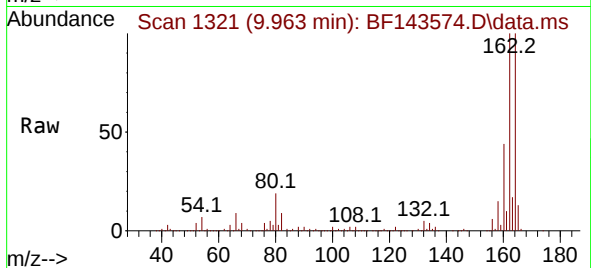
Tgt Ion:164 Resp: 247803

Ion Ratio Lower Upper

164 100

162 99.9 80.5 120.7

160 43.7 34.3 51.5



#42

2,4,6-Tribromophenol

Concen: 135.518 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF143574.D

Acq: 22 Aug 2025 15:54

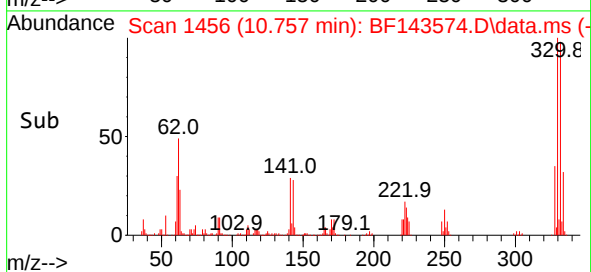
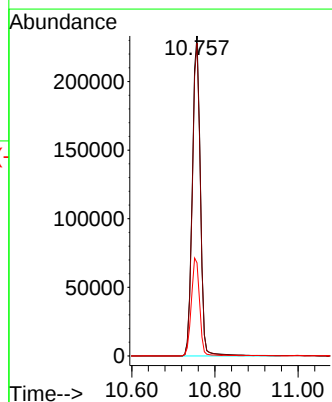
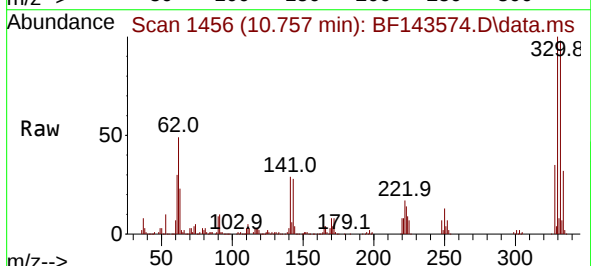
Tgt Ion:330 Resp: 312596

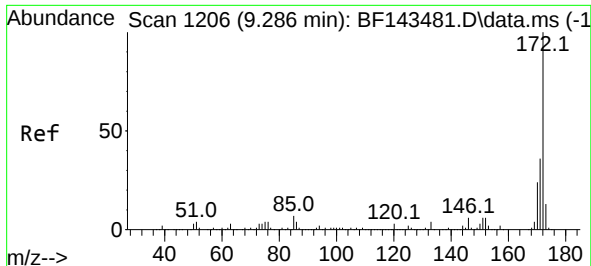
Ion Ratio Lower Upper

330 100

332 97.3 78.0 117.0

141 31.4 23.7 35.5

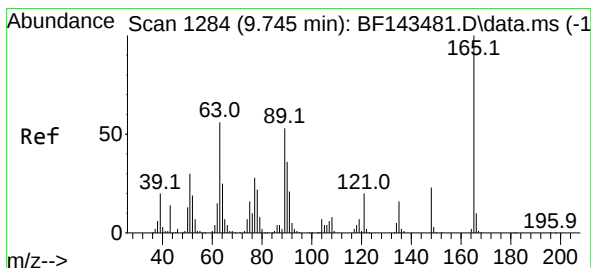
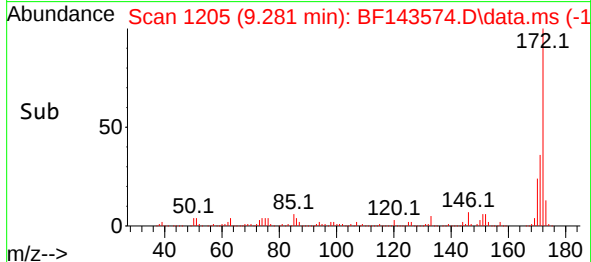
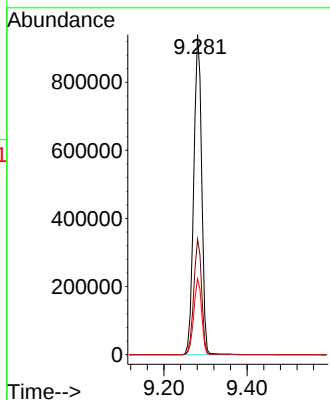
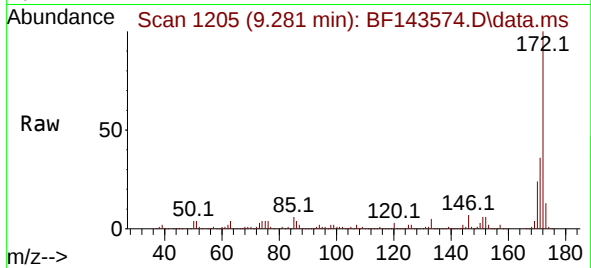




#45
2-Fluorobiphenyl
Concen: 83.148 ng
RT: 9.281 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143574.D
Acq: 22 Aug 2025 15:54

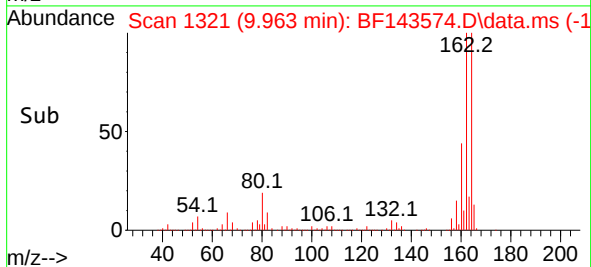
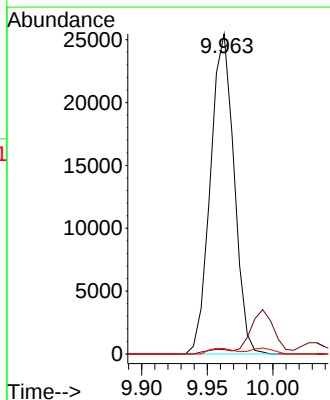
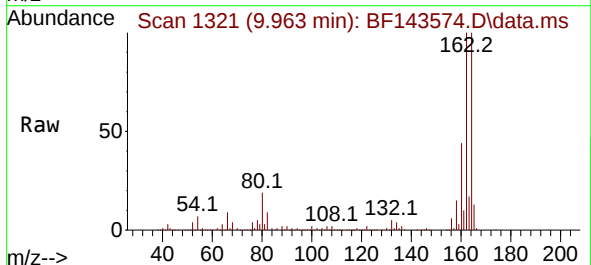
Instrument :
BNA_F
ClientSampleId :
DUP-02-081925

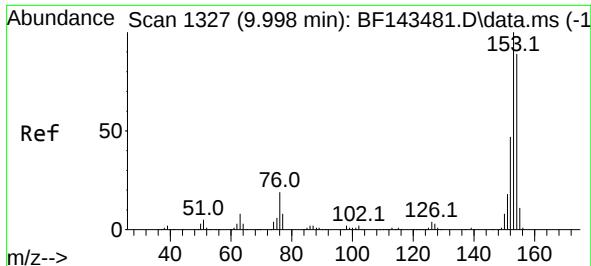
Tgt Ion:172 Resp: 1246727
Ion Ratio Lower Upper
172 100
171 36.1 28.8 43.2
170 23.7 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 10.314 ng
RT: 9.963 min Scan# 1321
Delta R.T. 0.212 min
Lab File: BF143574.D
Acq: 22 Aug 2025 15:54

Tgt Ion:165 Resp: 31902
Ion Ratio Lower Upper
165 100
63 1.4 45.0 67.6#
89 1.7 42.5 63.7#

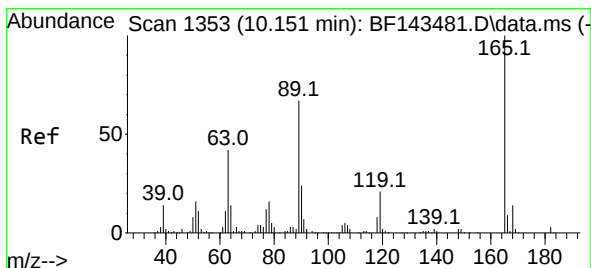
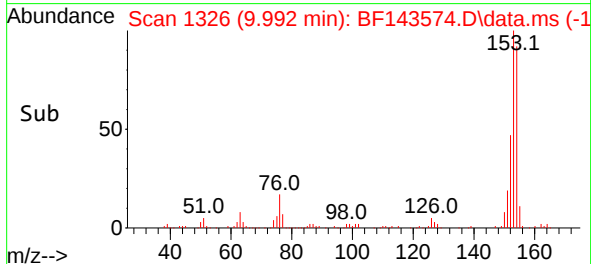
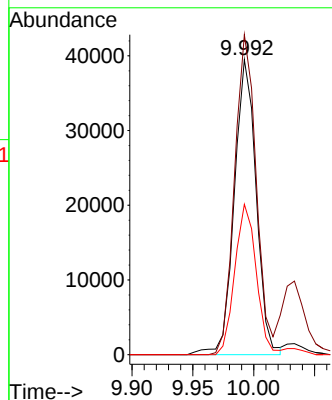
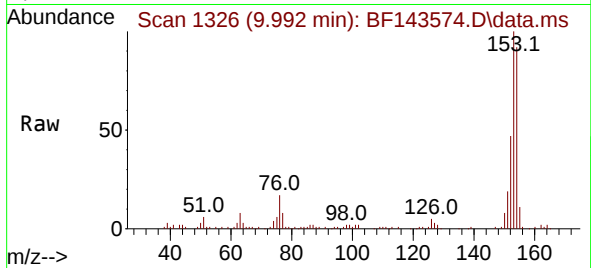




#52
Acenaphthene
Concen: 3.679 ng
RT: 9.992 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143574.D
Acq: 22 Aug 2025 15:54

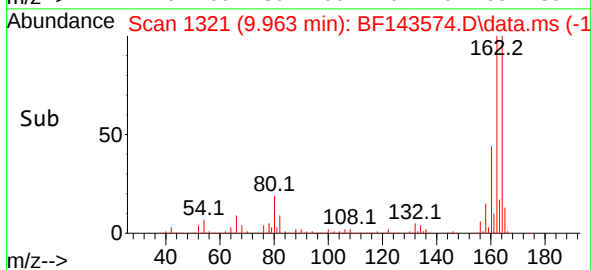
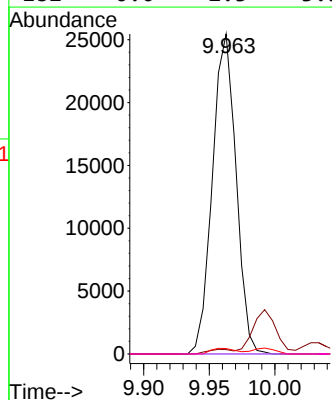
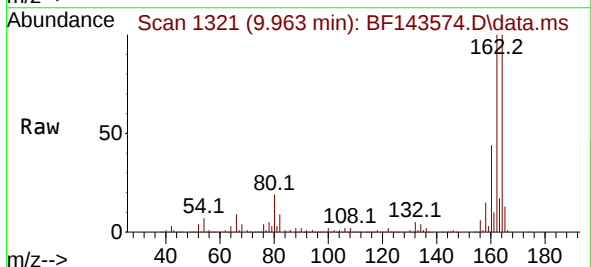
Instrument :
BNA_F
ClientSampleId :
DUP-02-081925

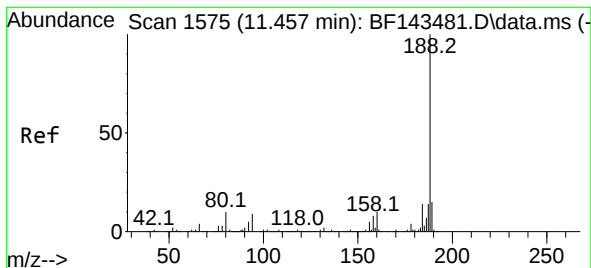
Tgt Ion:154 Resp: 49364
Ion Ratio Lower Upper
154 100
153 108.4 89.5 134.3
152 51.0 42.5 63.7



#57
2,4-Dinitrotoluene
Concen: 7.724 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF143574.D
Acq: 22 Aug 2025 15:54

Tgt Ion:165 Resp: 31902
Ion Ratio Lower Upper
165 100
63 1.4 34.9 52.3#
89 1.7 53.3 79.9#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143574.D

Acq: 22 Aug 2025 15:54

Instrument :

BNA_F

ClientSampleId :

DUP-02-081925

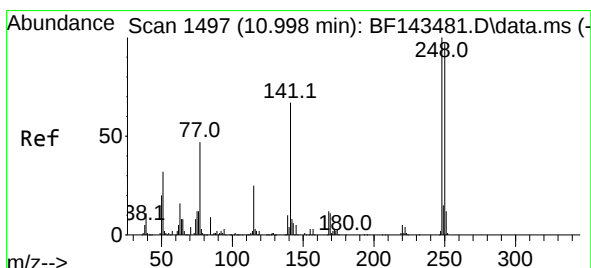
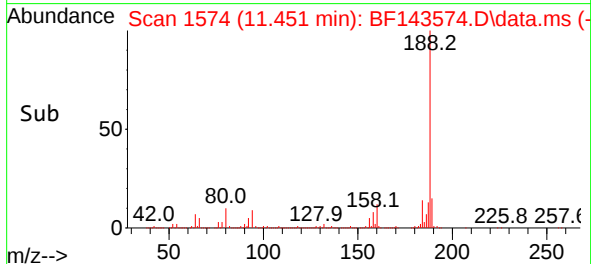
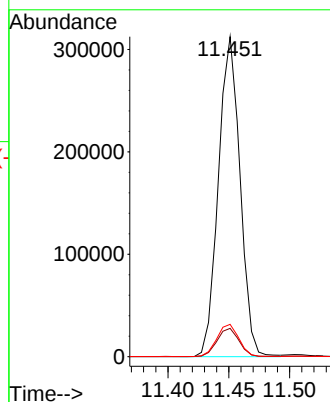
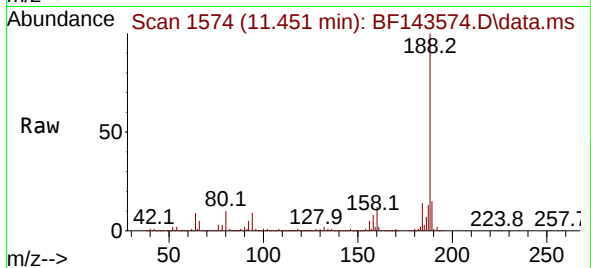
Tgt Ion:188 Resp: 387247

Ion Ratio Lower Upper

188 100

94 8.8 7.4 11.2

80 10.1 8.2 12.4



#67

4-Bromophenyl-phenylether

Concen: 4.660 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.241 min

Lab File: BF143574.D

Acq: 22 Aug 2025 15:54

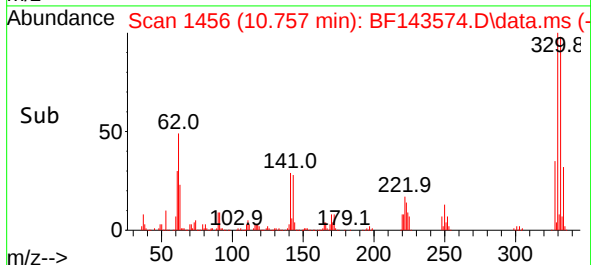
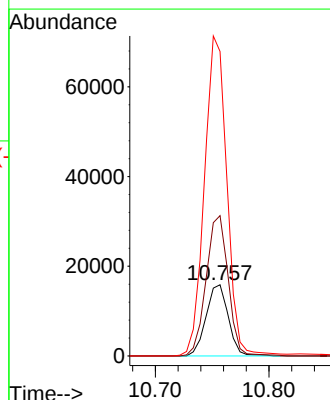
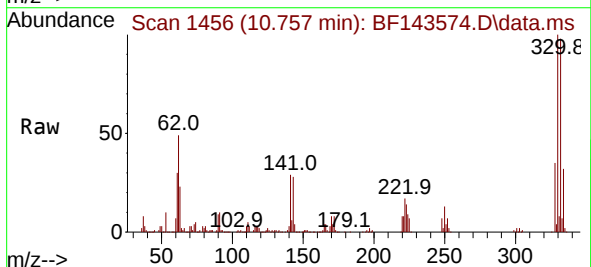
Tgt Ion:248 Resp: 21531

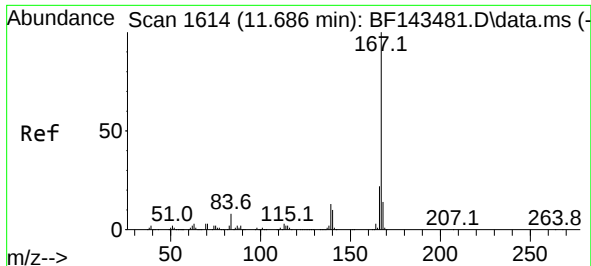
Ion Ratio Lower Upper

248 100

250 197.3 77.8 116.8#

141 428.2 54.0 81.0#

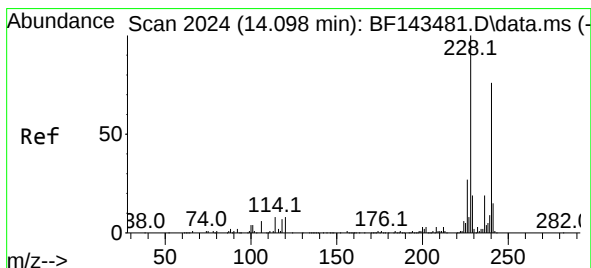
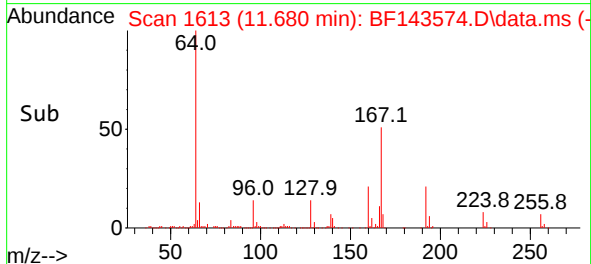
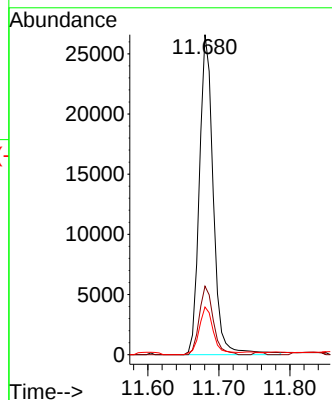
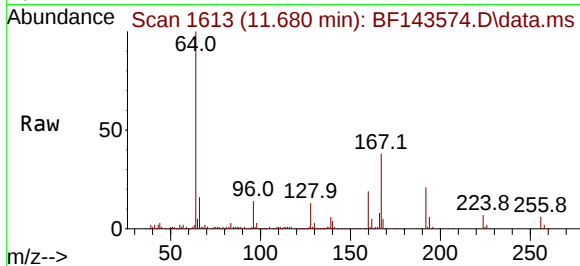




#73
Carbazole
Concen: 2.110 ng
RT: 11.680 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143574.D
Acq: 22 Aug 2025 15:54

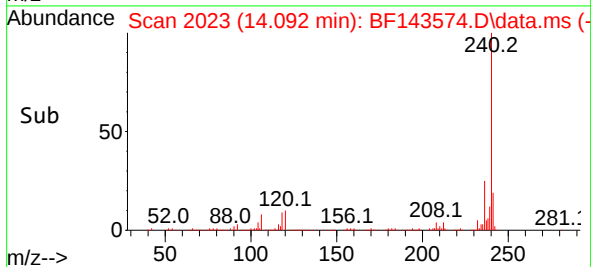
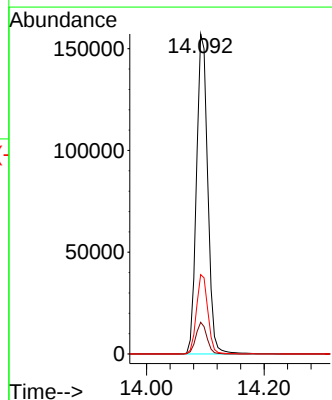
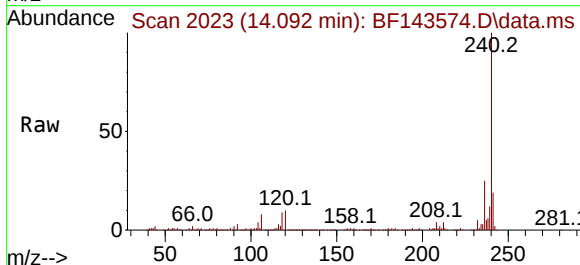
Instrument :
BNA_F
ClientSampleId :
DUP-02-081925

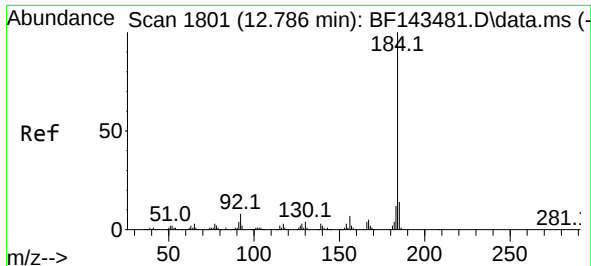
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.3	25.9
139	14.9	10.0	15.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF143574.D
Acq: 22 Aug 2025 15:54

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.6	12.8
236	24.8	20.4	30.6

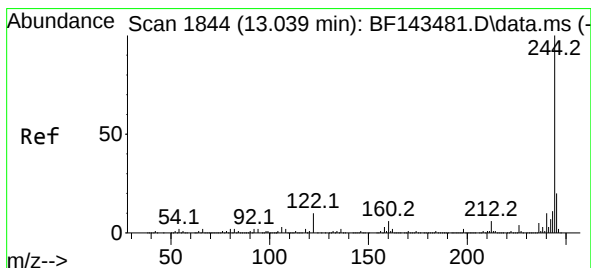
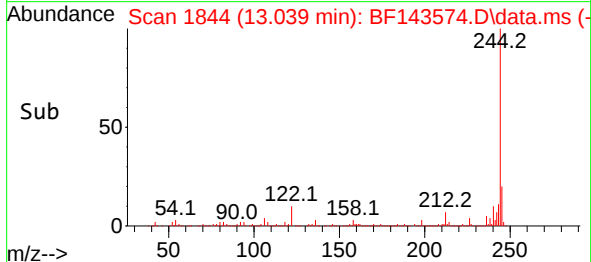
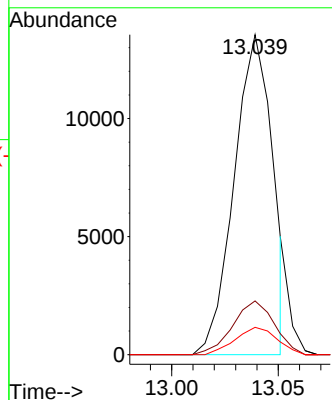
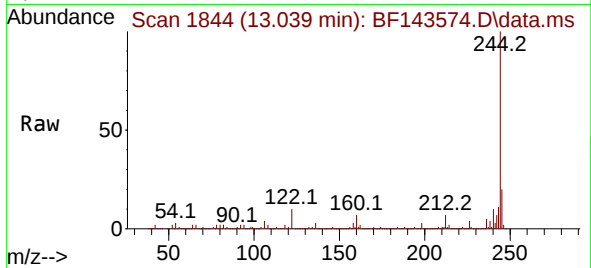




#77
Benzidine
Concen: 3.364 ng
RT: 13.039 min Scan# 1844
Delta R.T. 0.253 min
Lab File: BF143574.D
Acq: 22 Aug 2025 15:54

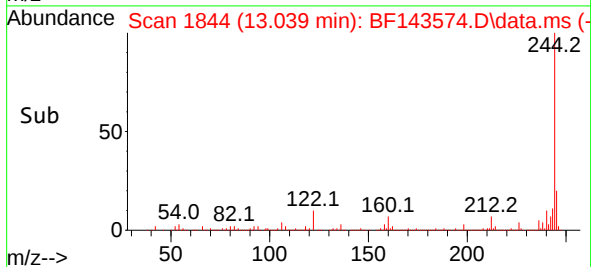
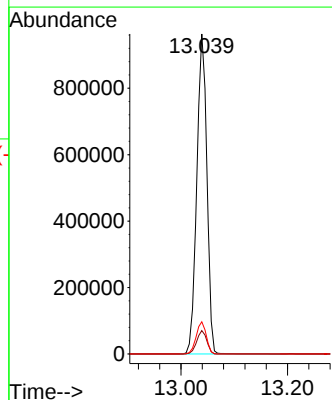
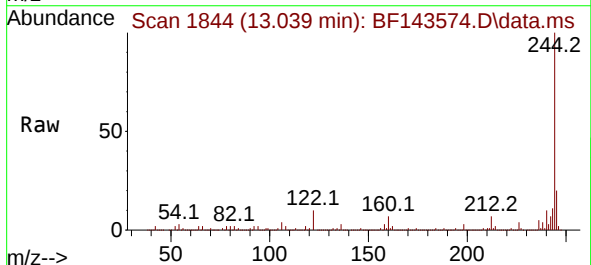
Instrument :
BNA_F
ClientSampleId :
DUP-02-081925

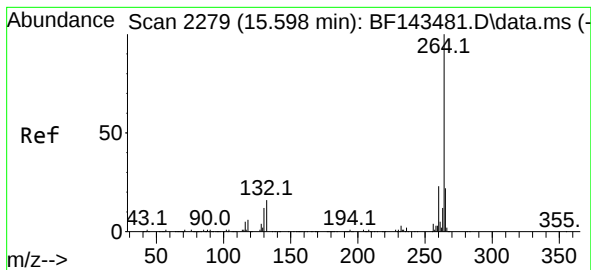
Tgt Ion:184 Resp: 17125
Ion Ratio Lower Upper
184 100
185 16.8 11.3 16.9
183 8.6 9.5 14.3#



#79
Terphenyl-d14
Concen: 105.517 ng
RT: 13.039 min Scan# 1844
Delta R.T. -0.000 min
Lab File: BF143574.D
Acq: 22 Aug 2025 15:54

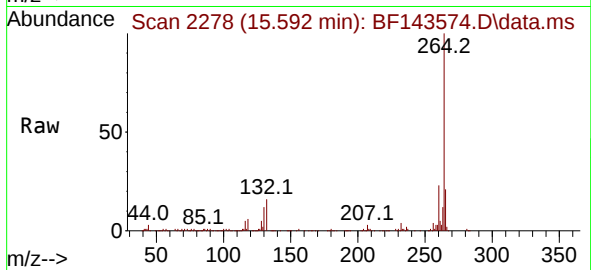
Tgt Ion:244 Resp: 1263786
Ion Ratio Lower Upper
244 100
212 7.3 5.2 7.8
122 10.1 7.9 11.9





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.592 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF143574.D
 Acq: 22 Aug 2025 15:54

Instrument :
 BNA_F
 ClientSampleId :
 DUP-02-081925



Tgt Ion:264 Resp: 198825
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.7 28.1
 265 21.4 17.6 26.4

