

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072425\
 Data File : BF143226.D
 Acq On : 24 Jul 2025 11:28
 Operator : RC/JU
 Sample : PB168983BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168983BL

Quant Time: Jul 24 12:00:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

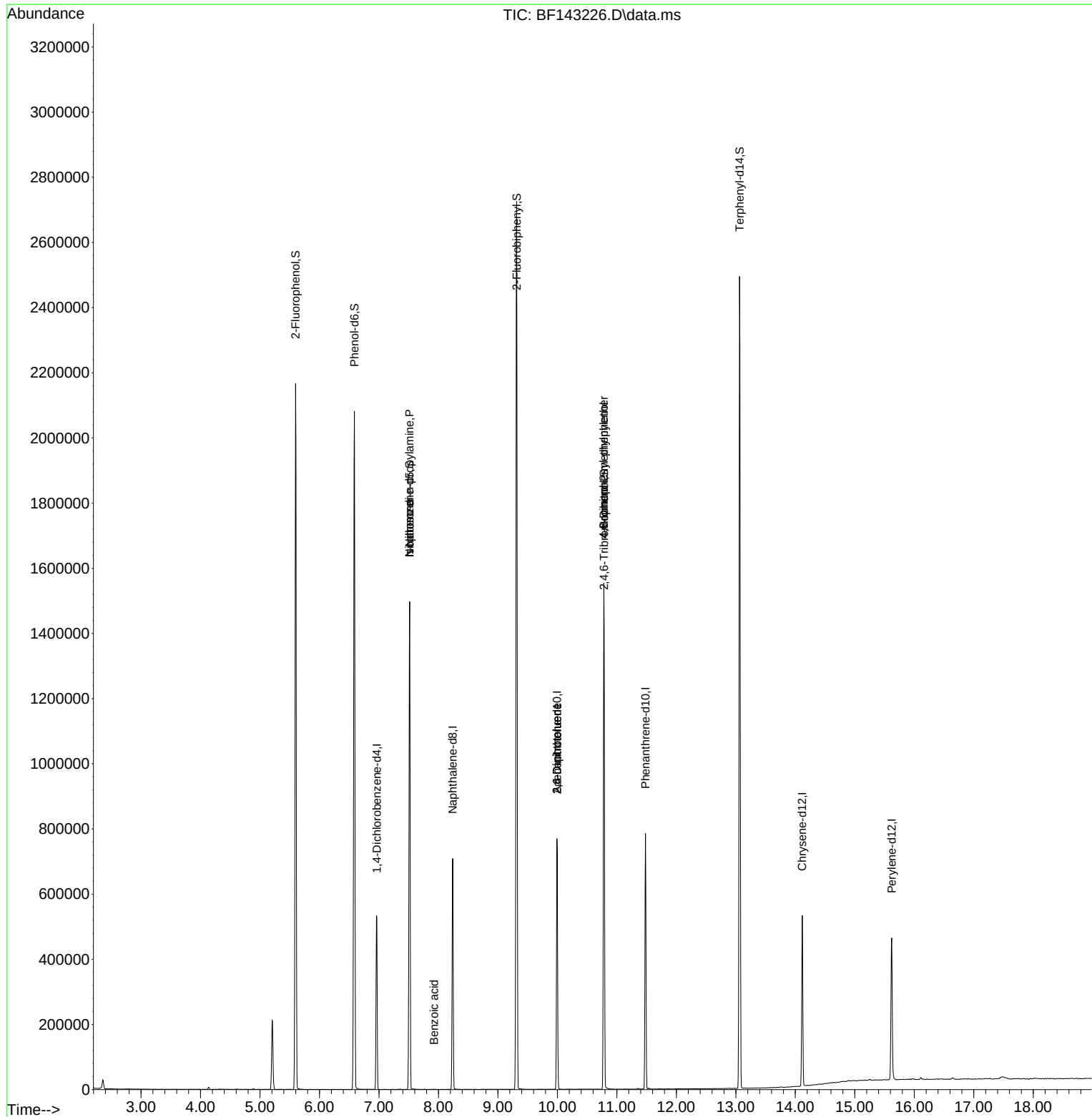
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	113347	20.000	ng	0.00
21) Naphthalene-d8	8.240	136	430028	20.000	ng	0.00
39) Acenaphthene-d10	9.992	164	228834	20.000	ng	0.00
64) Phenanthrene-d10	11.481	188	391747	20.000	ng	0.00
76) Chrysene-d12	14.116	240	247241	20.000	ng	0.00
86) Perylene-d12	15.621	264	259580	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.599	112	805725	112.489	ng	0.01
7) Phenol-d6	6.587	99	1017041	112.809	ng	0.00
23) Nitrobenzene-d5	7.516	82	668771	77.521	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	274521	116.126	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1255562	75.038	ng	0.00
79) Terphenyl-d14	13.063	244	1230339	74.052	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	92074	15.918	ng	# 78
25) Isophorone	7.516	82	664741	43.649	ng	# 66
32) Benzoic acid	7.928	122	54	5.190	ng	# 51
51) 2,6-Dinitrotoluene	9.992	165	28953	9.542	ng	# 22
57) 2,4-Dinitrotoluene	9.992	165	28953	7.605	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.781	198	429	5.598	ng	# 1
67) 4-Bromophenyl-phenylether	10.781	248	16520	3.539	ng	# 1

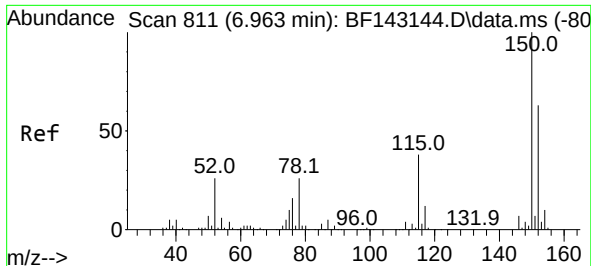
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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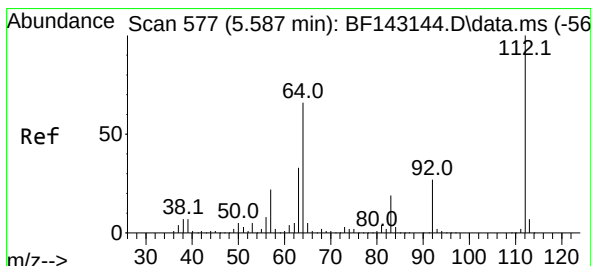
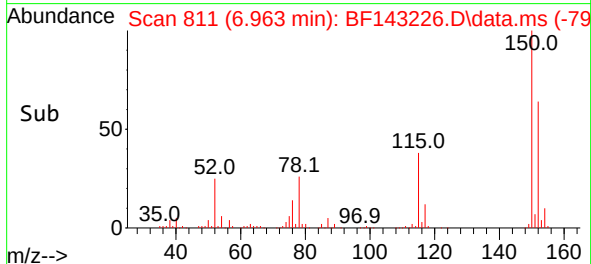
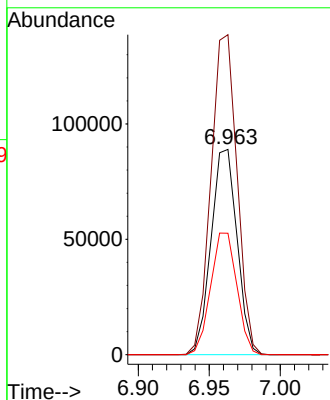
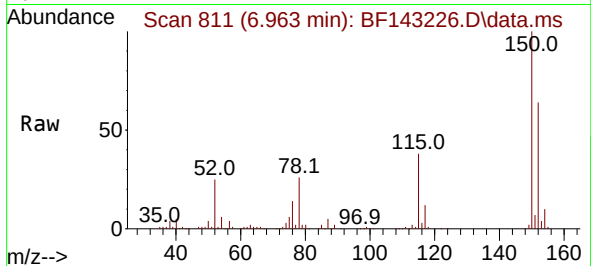




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143226.D
Acq: 24 Jul 2025 11:28

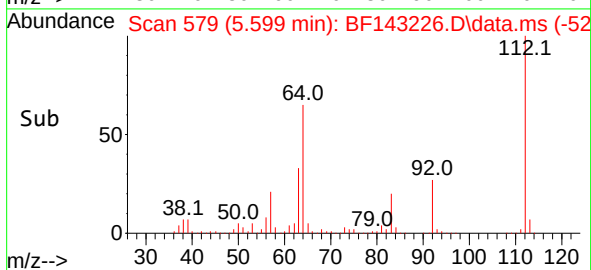
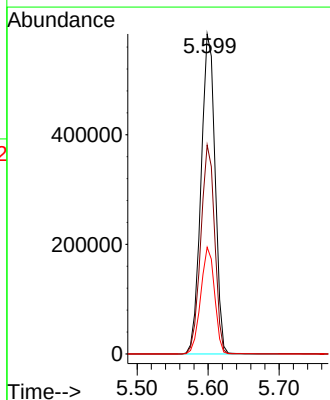
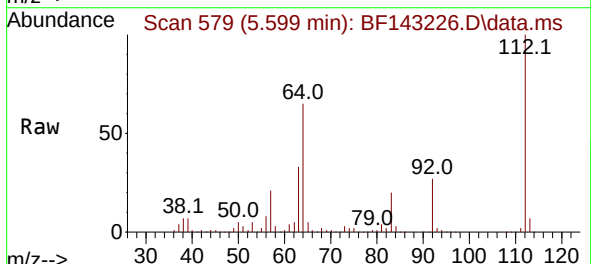
Instrument :
BNA_F
ClientSampleId :
PB168983BL

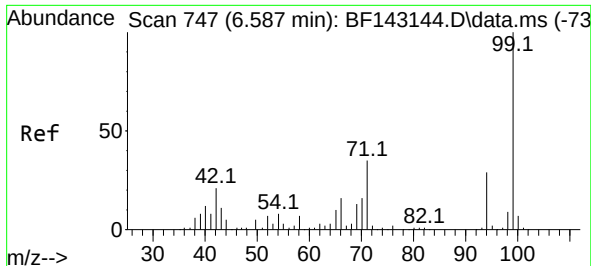
Tgt Ion:152 Resp: 113347
Ion Ratio Lower Upper
152 100
150 155.9 128.2 192.4
115 59.2 47.9 71.9



#5
2-Fluorophenol
Concen: 112.489 ng
RT: 5.599 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF143226.D
Acq: 24 Jul 2025 11:28

Tgt Ion:112 Resp: 805725
Ion Ratio Lower Upper
112 100
64 65.3 53.1 79.7
63 33.3 26.6 40.0

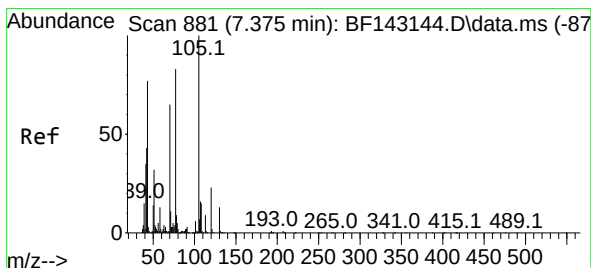
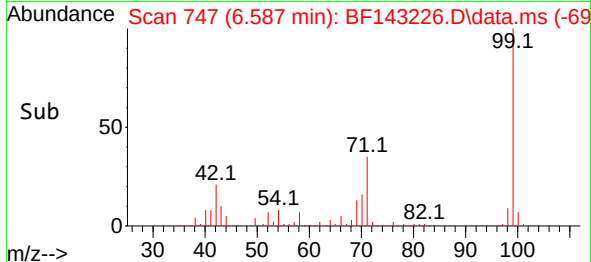
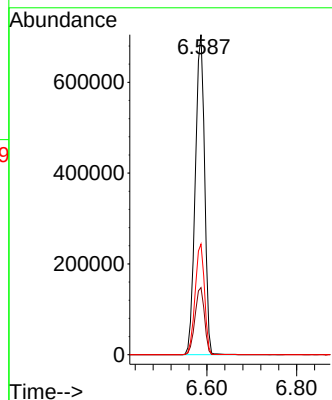
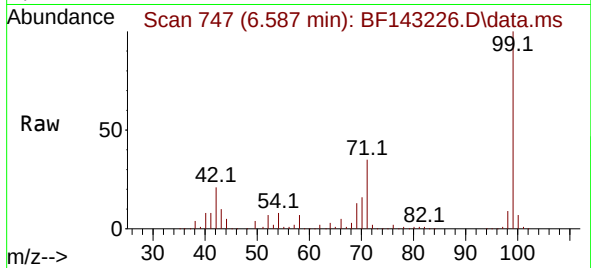




#7
Phenol-d6
Concen: 112.809 ng
RT: 6.587 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF143226.D
Acq: 24 Jul 2025 11:28

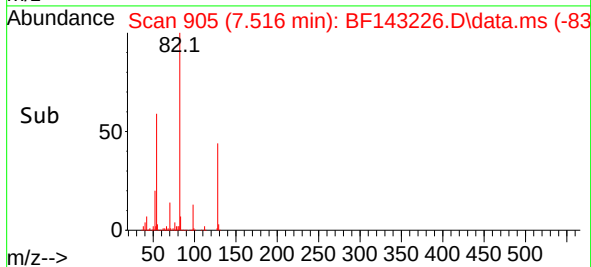
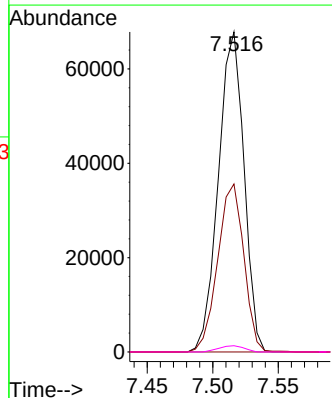
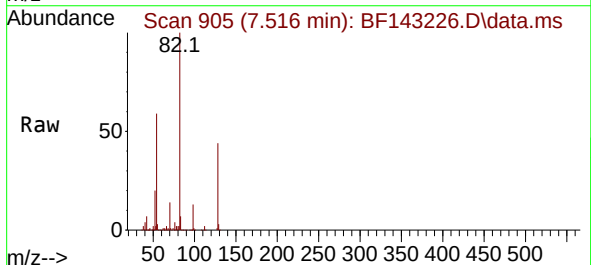
Instrument :
BNA_F
ClientSampleId :
PB168983BL

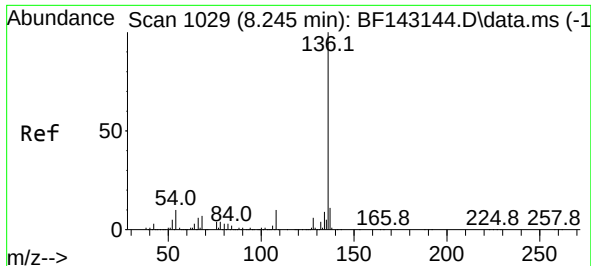
Tgt Ion: 99 Resp: 1017041
Ion Ratio Lower Upper
99 100
42 21.0 17.0 25.6
71 34.6 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 15.918 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143226.D
Acq: 24 Jul 2025 11:28

Tgt Ion: 70 Resp: 92074
Ion Ratio Lower Upper
70 100
42 52.5 52.5 78.7
101 0.0 7.6 11.4#
130 1.9 16.1 24.1#

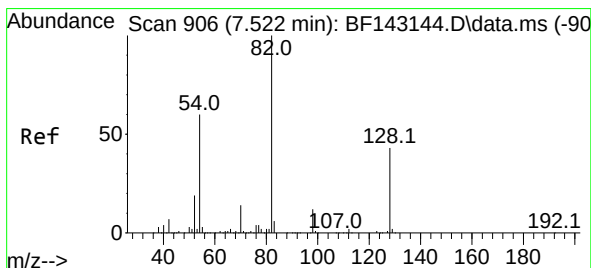
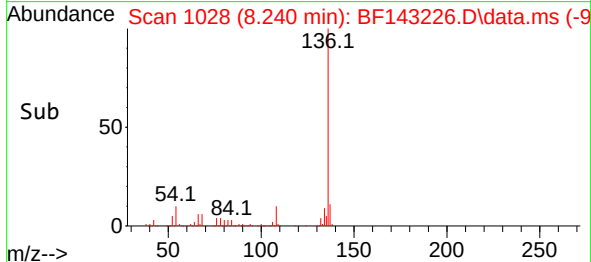
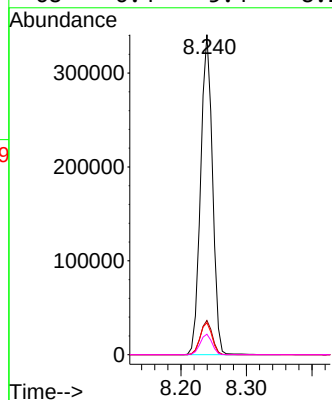
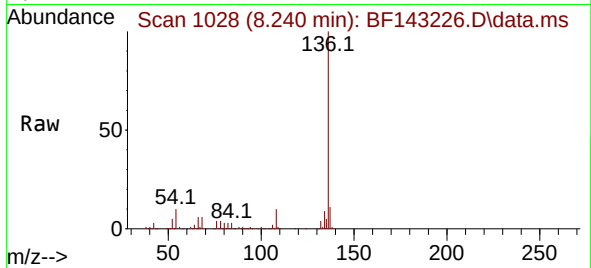




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.240 min Scan# 1029
Delta R.T. -0.005 min
Lab File: BF143226.D
Acq: 24 Jul 2025 11:28

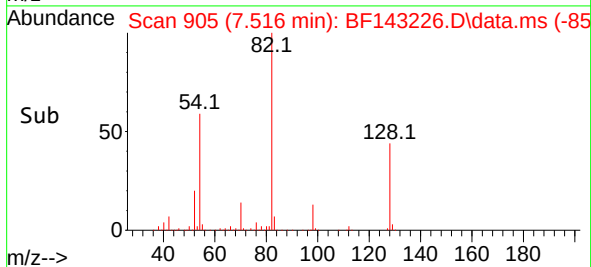
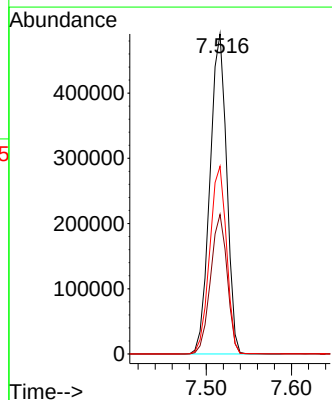
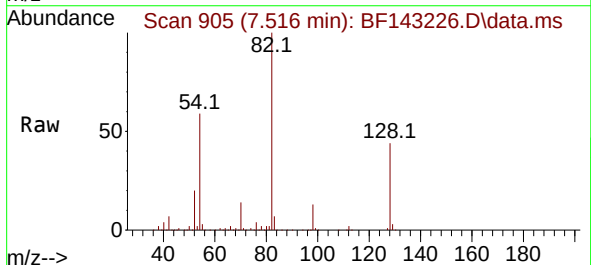
Instrument :
BNA_F
ClientSampleId :
PB168983BL

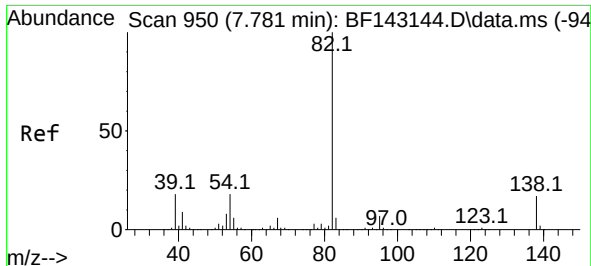
Tgt Ion:	136	Resp:	430028
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	10.0	8.2	12.2
68	6.4	5.4	8.2



#23
Nitrobenzene-d5
Concen: 77.521 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143226.D
Acq: 24 Jul 2025 11:28

Tgt Ion:	82	Resp:	668771
Ion	Ratio	Lower	Upper
82	100		
128	43.6	33.6	50.4
54	58.7	47.1	70.7

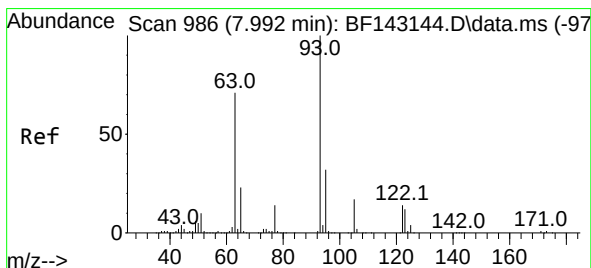
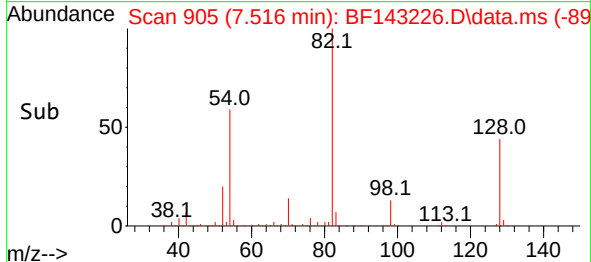
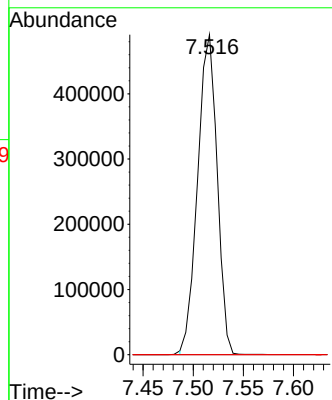
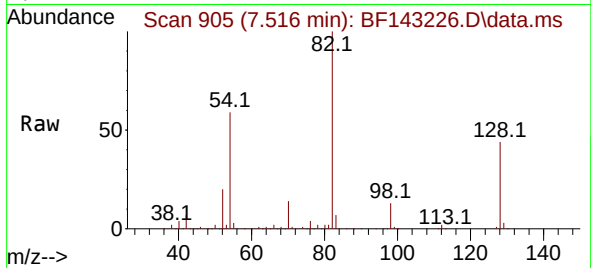




#25
Isophorone
Concen: 43.649 ng
RT: 7.516 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143226.D
Acq: 24 Jul 2025 11:28

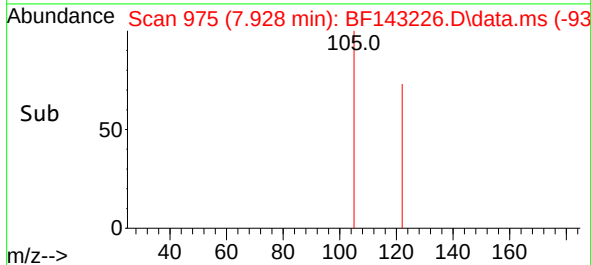
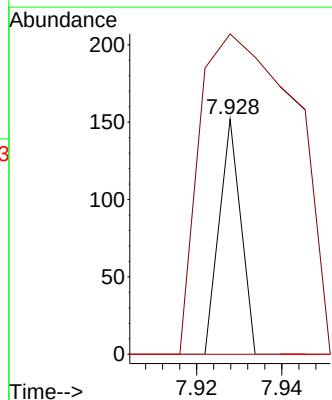
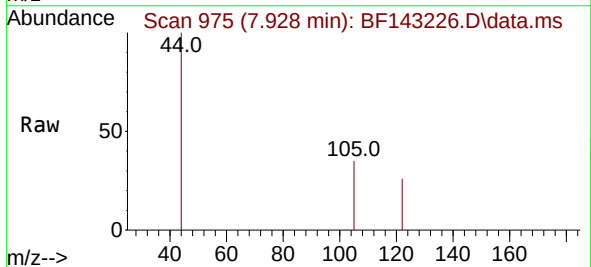
Instrument :
BNA_F
ClientSampleId :
PB168983BL

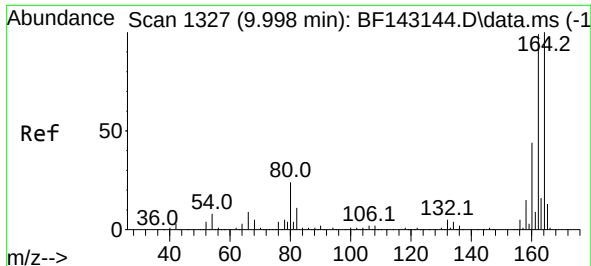
Tgt Ion: 82 Resp: 664741
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#32
Benzoic acid
Concen: 5.190 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.064 min
Lab File: BF143226.D
Acq: 24 Jul 2025 11:28

Tgt Ion:122 Resp: 54
Ion Ratio Lower Upper
122 100
105 136.2 104.8 144.8
77 0.0 77.6 117.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.992 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143226.D

Acq: 24 Jul 2025 11:28

Instrument :

BNA_F

ClientSampleId :

PB168983BL

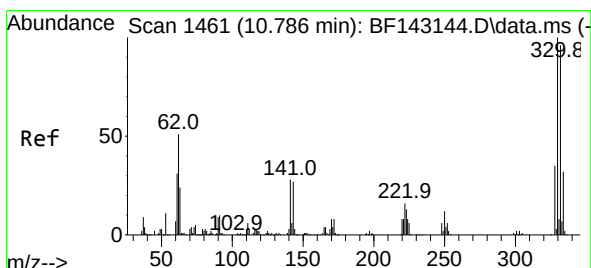
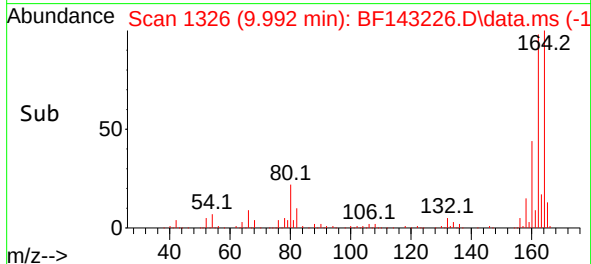
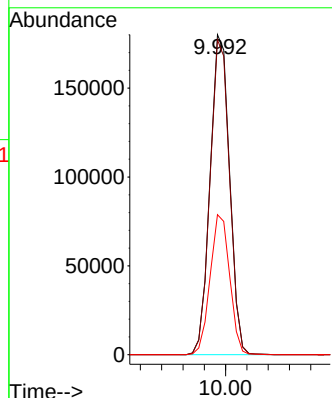
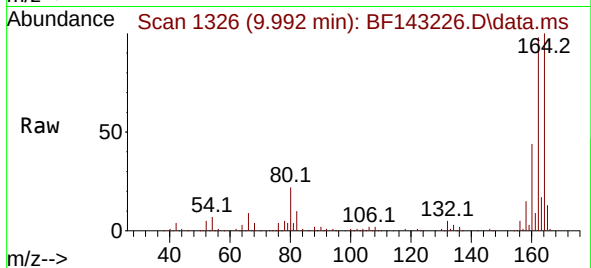
Tgt Ion:164 Resp: 228834

Ion Ratio Lower Upper

164 100

162 98.4 79.0 118.6

160 43.7 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 116.126 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.000 min

Lab File: BF143226.D

Acq: 24 Jul 2025 11:28

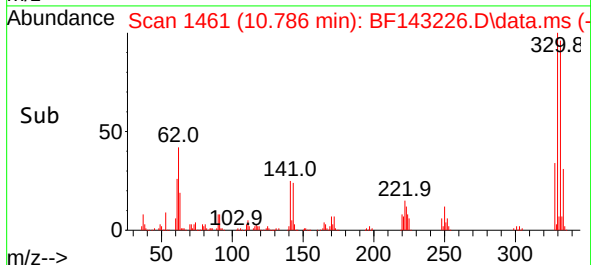
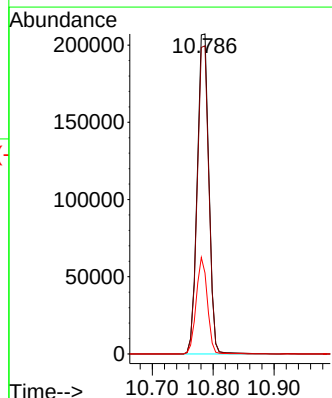
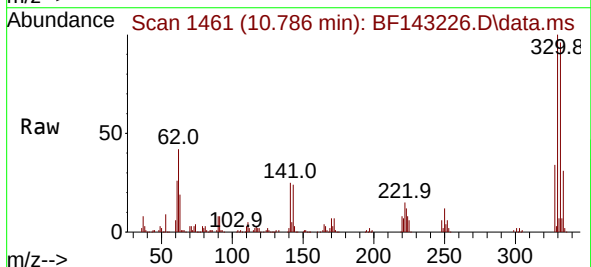
Tgt Ion:330 Resp: 274521

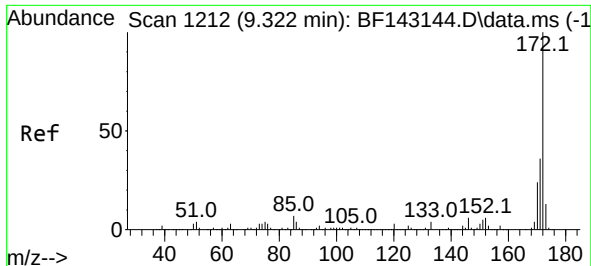
Ion Ratio Lower Upper

330 100

332 96.3 76.7 115.1

141 29.0 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 75.038 ng

RT: 9.316 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143226.D

Acq: 24 Jul 2025 11:28

Instrument :

BNA_F

ClientSampleId :

PB168983BL

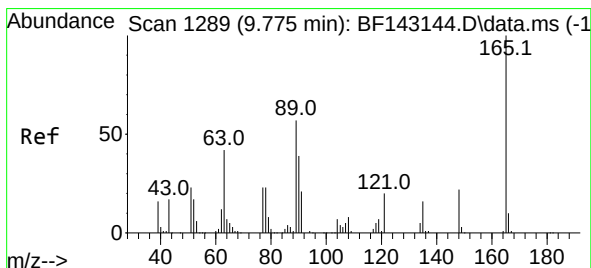
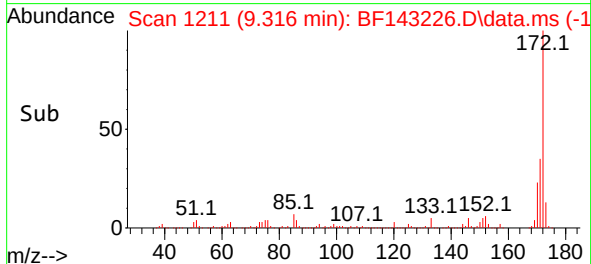
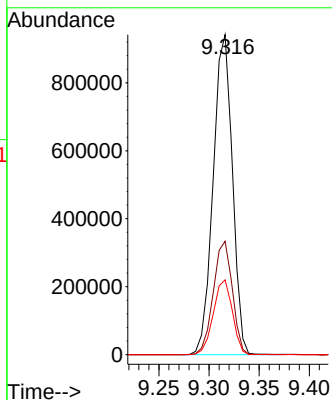
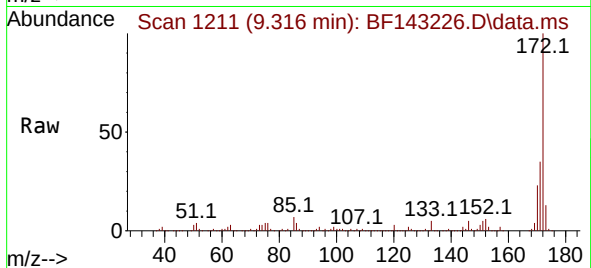
Tgt Ion:172 Resp: 1255562

Ion Ratio Lower Upper

172 100

171 35.4 28.6 42.8

170 23.4 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 9.542 ng

RT: 9.992 min Scan# 1326

Delta R.T. 0.218 min

Lab File: BF143226.D

Acq: 24 Jul 2025 11:28

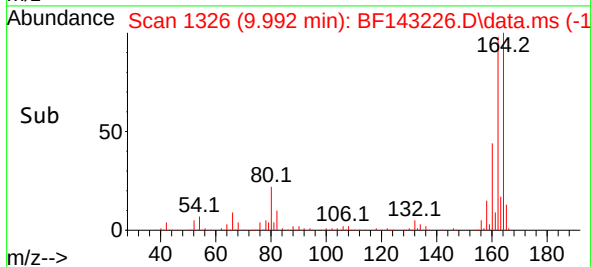
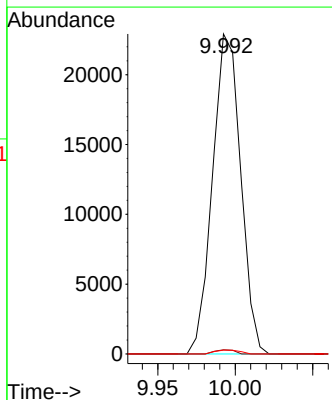
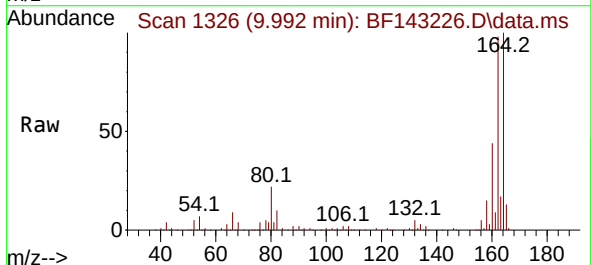
Tgt Ion:165 Resp: 28953

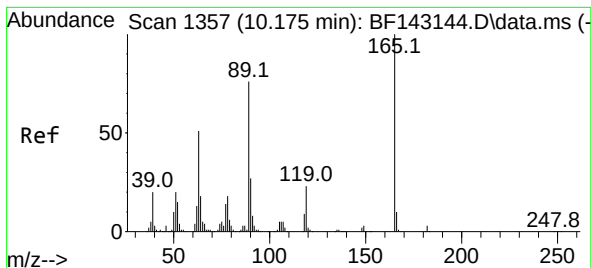
Ion Ratio Lower Upper

165 100

63 1.3 49.4 74.2#

89 1.2 46.2 69.2#

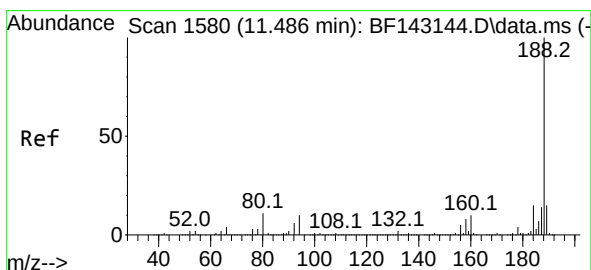
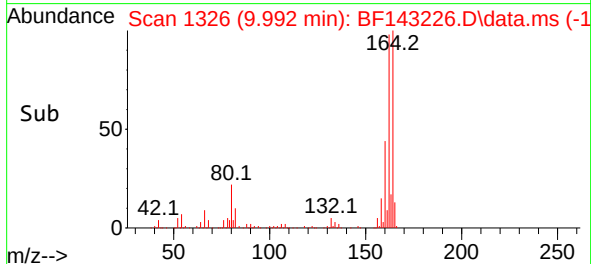
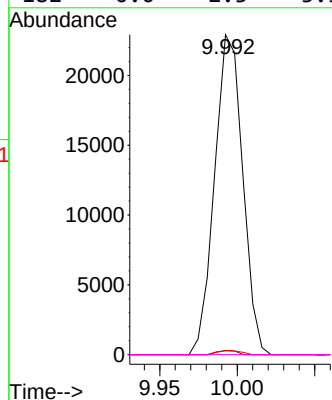
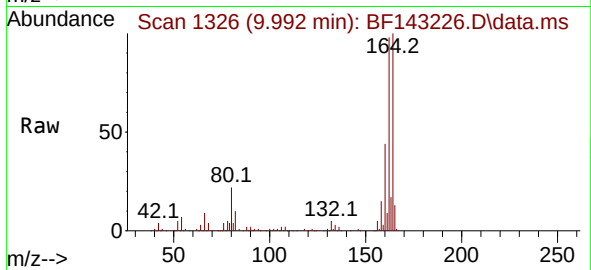




#57
2,4-Dinitrotoluene
Concen: 7.605 ng
RT: 9.992 min Scan# 11
Delta R.T. -0.182 min
Lab File: BF143226.D
Acq: 24 Jul 2025 11:28

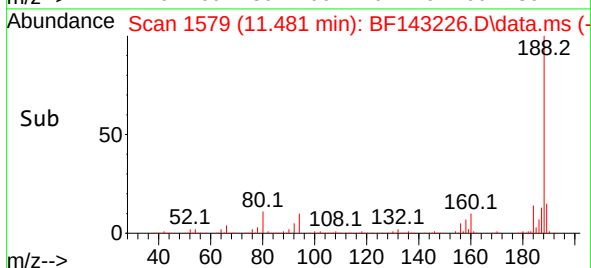
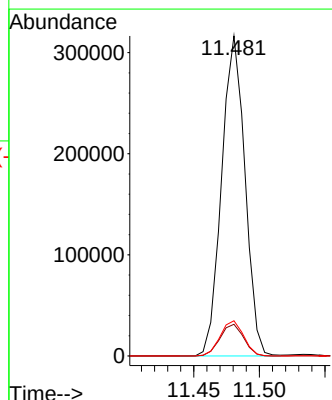
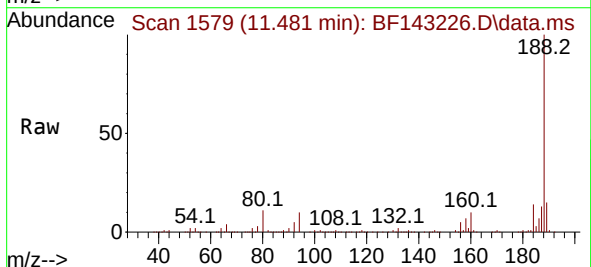
Instrument :
BNA_F
ClientSampleId :
PB168983BL

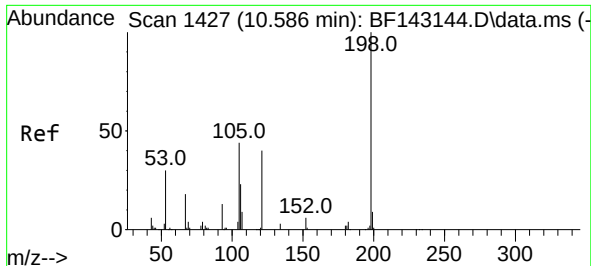
Tgt Ion:165 Resp: 28953
Ion Ratio Lower Upper
165 100
63 1.3 41.0 61.4#
89 1.2 61.1 91.7#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.481 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143226.D
Acq: 24 Jul 2025 11:28

Tgt Ion:188 Resp: 391747
Ion Ratio Lower Upper
188 100
94 9.9 8.3 12.5
80 11.0 9.0 13.6

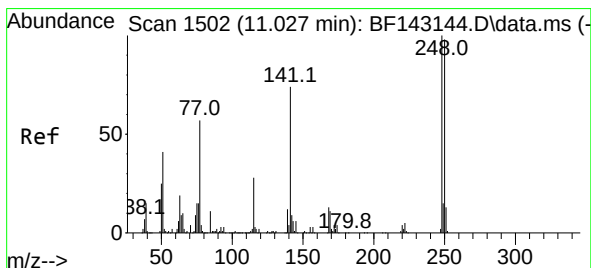
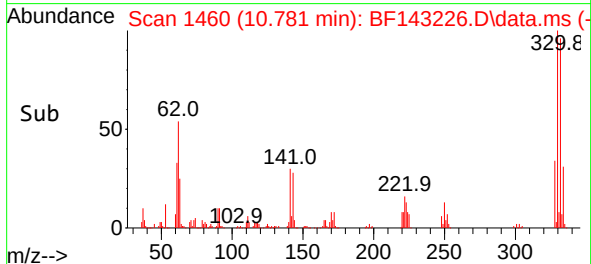
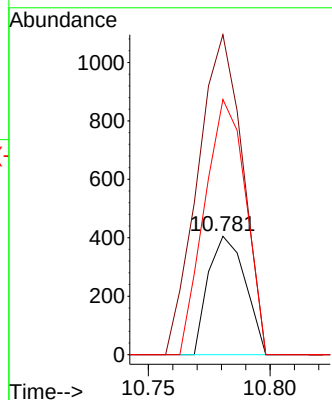
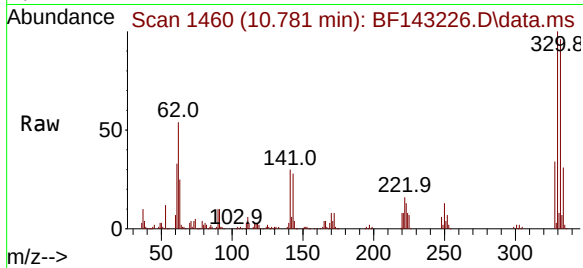




#65
4,6-Dinitro-2-methylphenol
Concen: 5.598 ng
RT: 10.781 min Scan# 1427
Delta R.T. 0.195 min
Lab File: BF143226.D
Acq: 24 Jul 2025 11:28

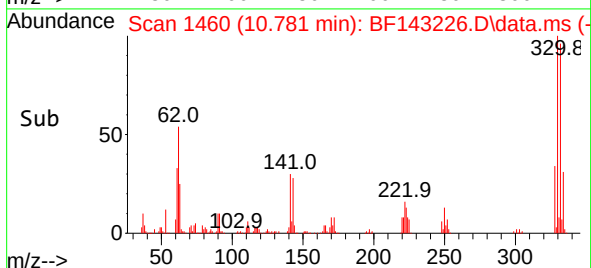
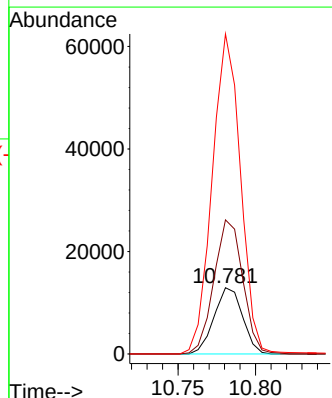
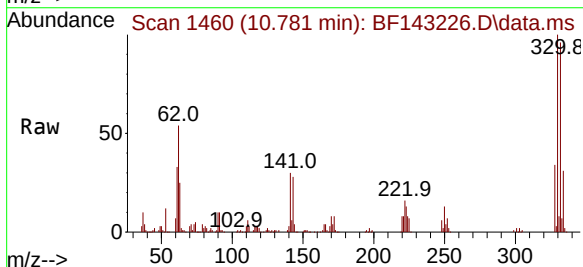
Instrument :
BNA_F
ClientSampleId :
PB168983BL

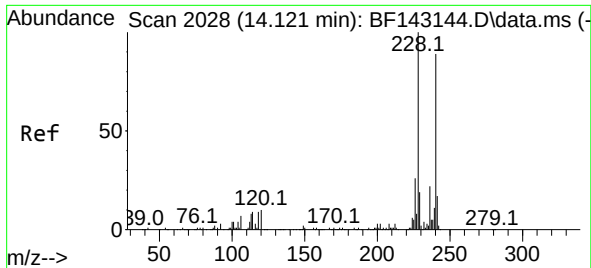
Tgt Ion:198 Resp: 429
Ion Ratio Lower Upper
198 100
51 270.4 37.2 77.2#
105 215.6 24.8 64.8#



#67
4-Bromophenyl-phenylether
Concen: 3.539 ng
RT: 10.781 min Scan# 1460
Delta R.T. -0.247 min
Lab File: BF143226.D
Acq: 24 Jul 2025 11:28

Tgt Ion:248 Resp: 16520
Ion Ratio Lower Upper
248 100
250 202.4 78.3 117.5#
141 483.0 59.2 88.8#

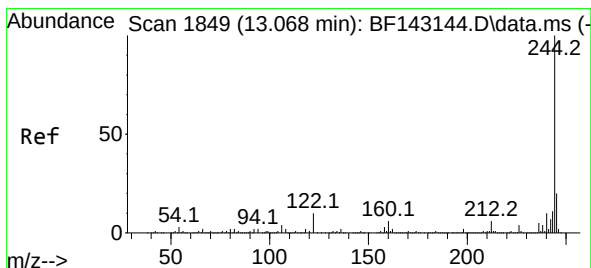
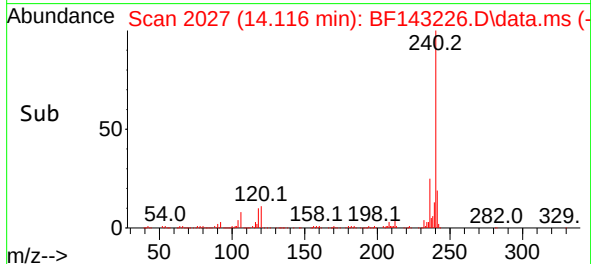
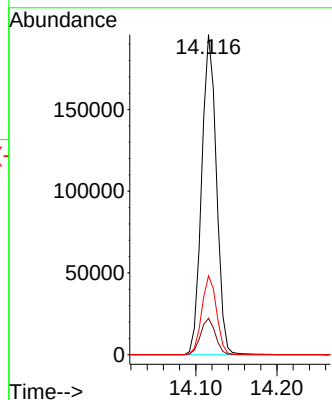
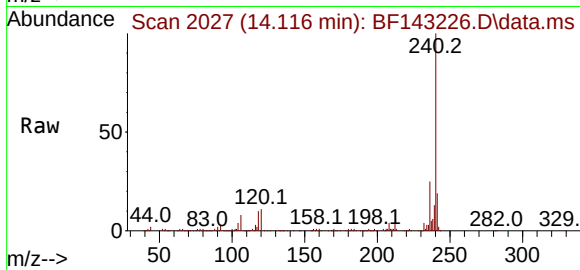




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143226.D
Acq: 24 Jul 2025 11:28

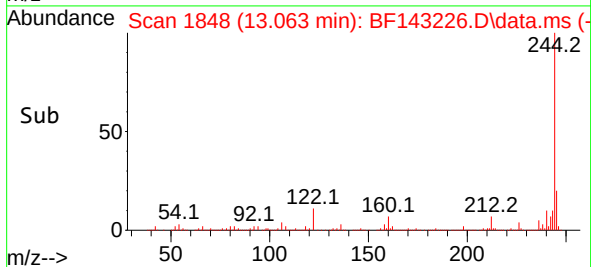
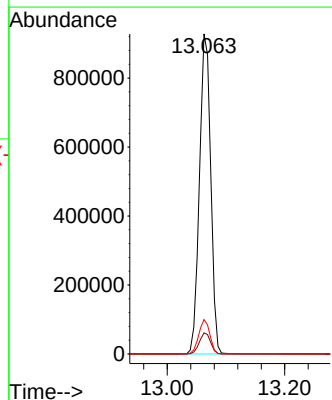
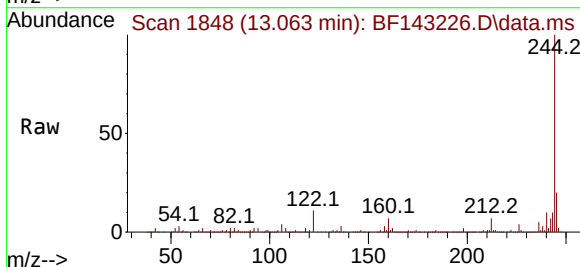
Instrument :
BNA_F
ClientSampleId :
PB168983BL

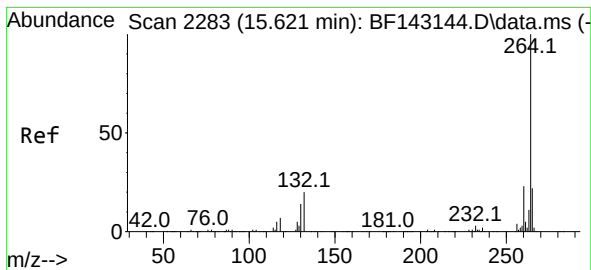
Tgt Ion:240 Resp: 247241
Ion Ratio Lower Upper
240 100
120 11.4 9.4 14.2
236 24.6 20.2 30.4



#79
Terphenyl-d14
Concen: 74.052 ng
RT: 13.063 min Scan# 1848
Delta R.T. -0.006 min
Lab File: BF143226.D
Acq: 24 Jul 2025 11:28

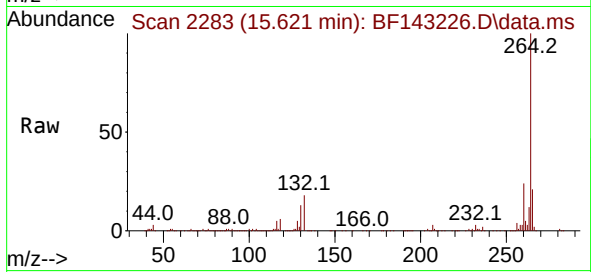
Tgt Ion:244 Resp: 1230339
Ion Ratio Lower Upper
244 100
212 6.6 5.2 7.8
122 10.8 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.621 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF143226.D
 Acq: 24 Jul 2025 11:28

Instrument :
 BNA_F
 ClientSampleId :
 PB168983BL



Tgt Ion:264 Resp: 259580
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.5 27.7
 265 21.3 17.4 26.2

