

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143114.D
 Acq On : 16 Jul 2025 15:13
 Operator : RC/JU
 Sample : PB168802BL
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168802BL

Quant Time: Jul 16 15:35:48 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)

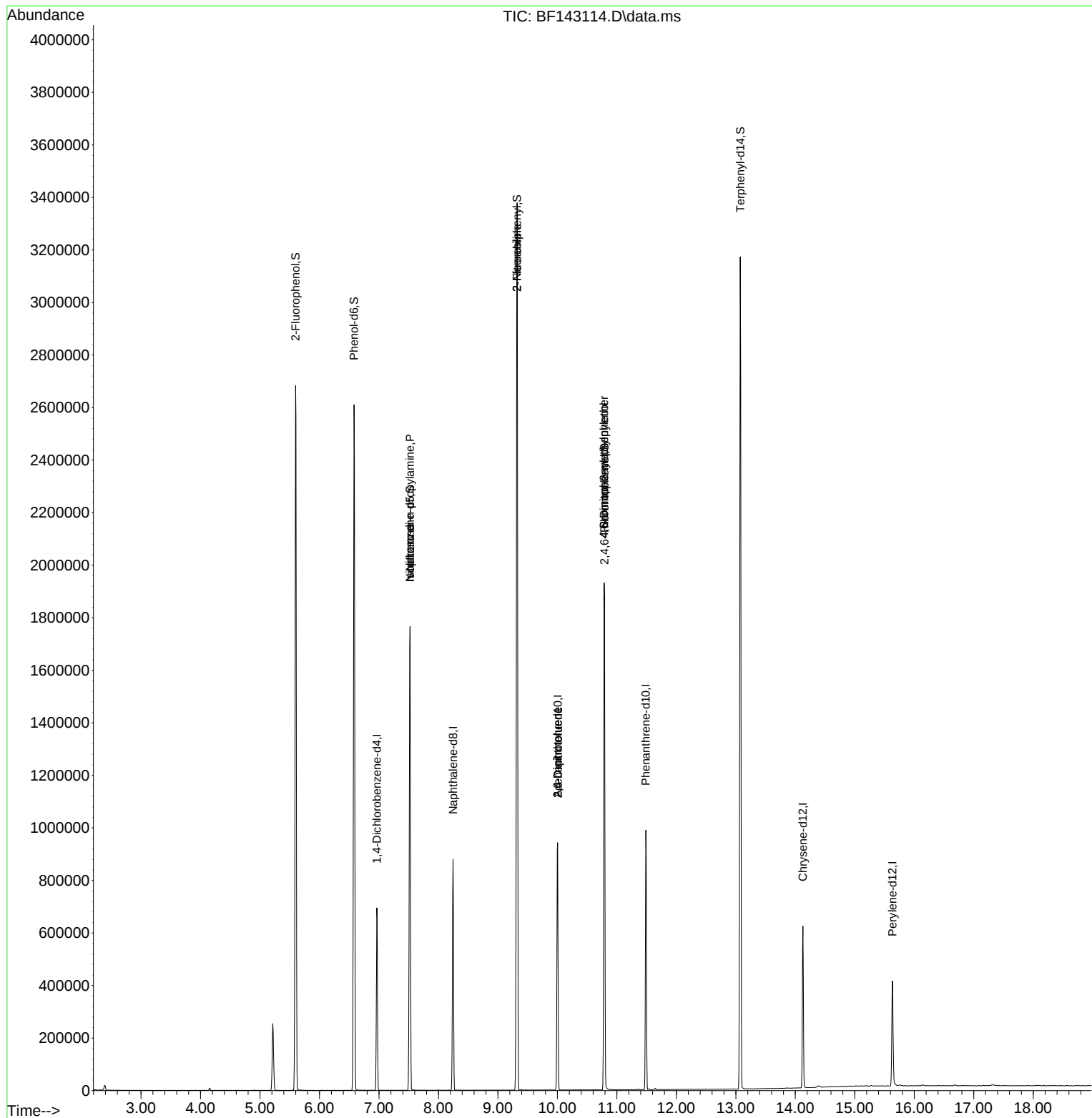
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	142052	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	546431	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	282321	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	487981	20.000	ng	0.00
76) Chrysene-d12	14.127	240	287106	20.000	ng	0.00
86) Perylene-d12	15.633	264	229634	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	1033680	114.968	ng	0.01
7) Phenol-d6	6.581	99	1307276	115.671	ng	0.00
23) Nitrobenzene-d5	7.522	82	825206	84.718	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	342011	135.863	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1577993	74.298	ng	0.00
79) Terphenyl-d14	13.074	244	1552831	79.063	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.522	70	111188	16.058	ng	# 79
25) Isophorone	7.522	82	820268	43.568	ng	# 65
48) 2-Nitroaniline	9.322	65	2814	3.708	ng	# 1
51) 2,6-Dinitrotoluene	10.004	165	35950	12.442	ng	# 17
57) 2,4-Dinitrotoluene	10.004	165	35950	11.021	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.786	198	757	5.898	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	21012	3.786	ng	# 1

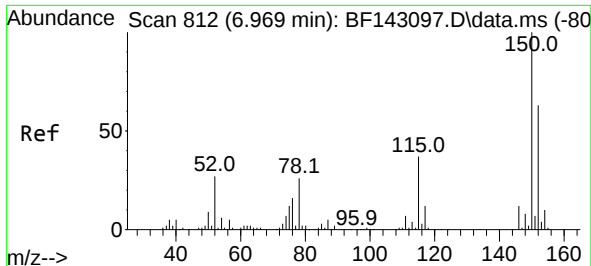
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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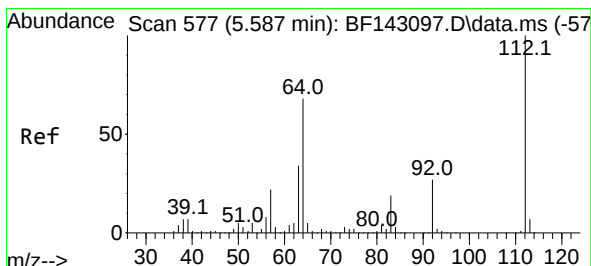
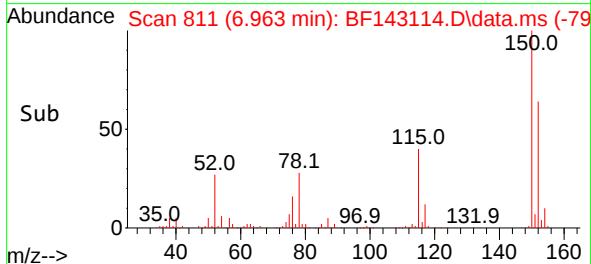
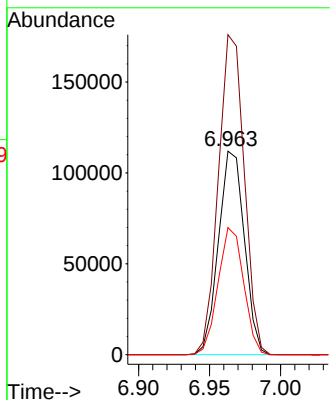
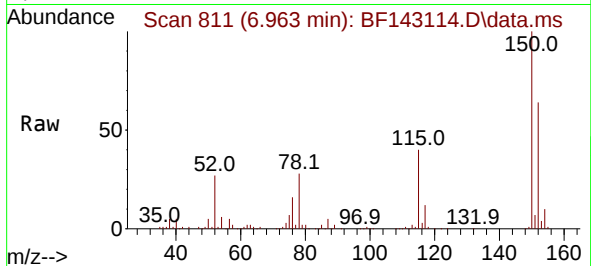




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF143114.D
Acq: 16 Jul 2025 15:13

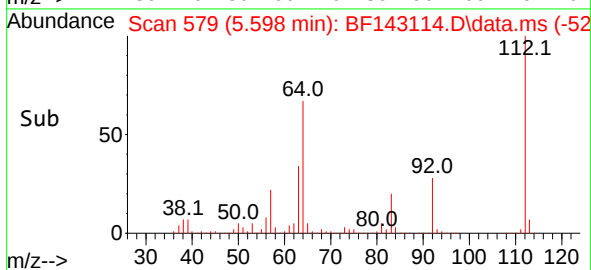
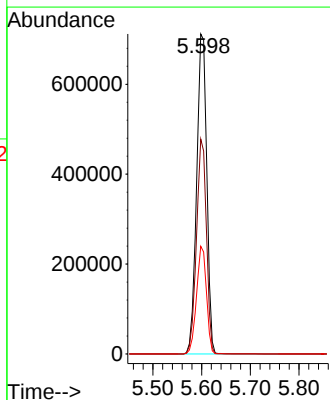
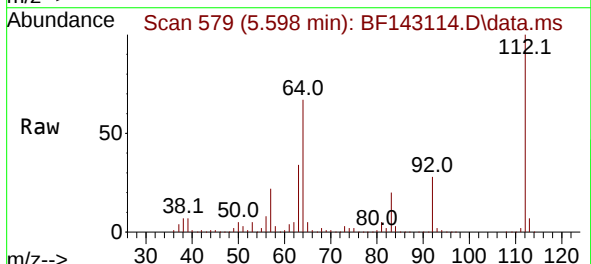
Instrument :
BNA_F
ClientSampleId :
PB168802BL

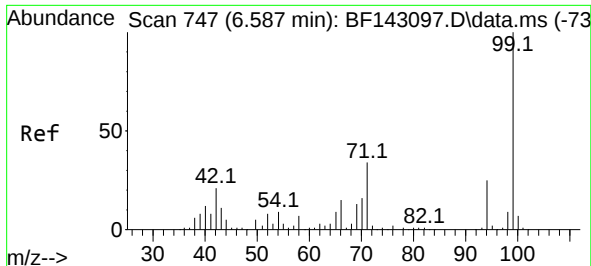
Tgt Ion:152 Resp: 142052
Ion Ratio Lower Upper
152 100
150 157.2 126.5 189.7
115 62.4 47.0 70.6



#5
2-Fluorophenol
Concen: 114.968 ng
RT: 5.598 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF143114.D
Acq: 16 Jul 2025 15:13

Tgt Ion:112 Resp: 1033680
Ion Ratio Lower Upper
112 100
64 67.1 54.6 82.0
63 33.6 27.3 40.9

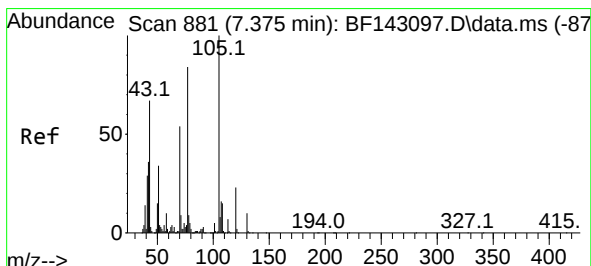
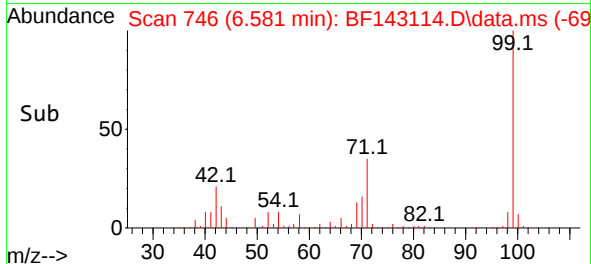
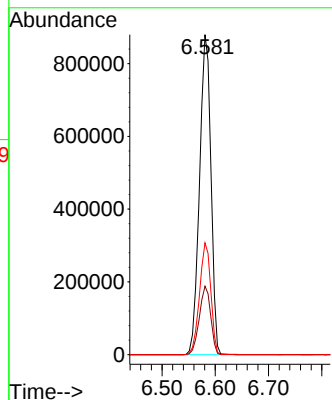
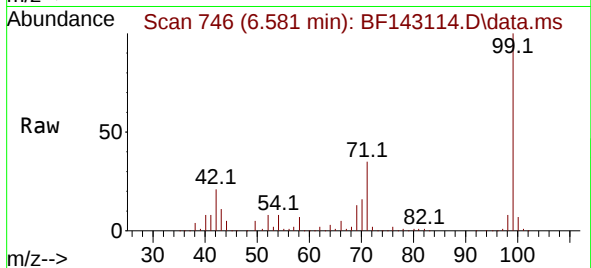




#7
Phenol-d6
Concen: 115.671 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143114.D
Acq: 16 Jul 2025 15:13

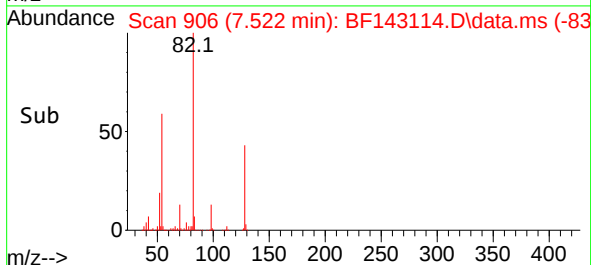
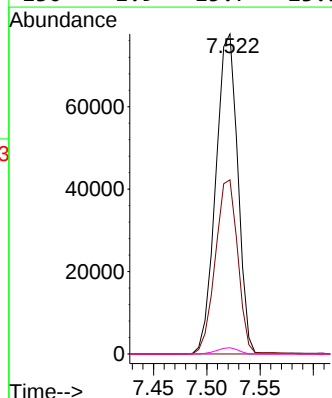
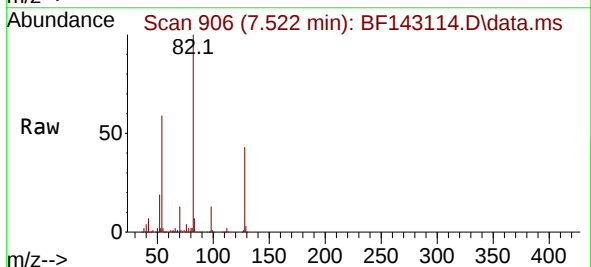
Instrument :
BNA_F
ClientSampleId :
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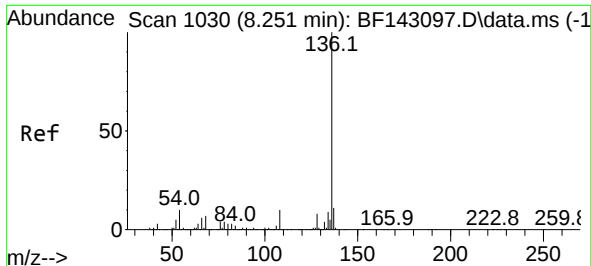
Tgt Ion: 99 Resp: 1307276
Ion Ratio Lower Upper
99 100
42 21.4 17.2 25.8
71 35.0 27.4 41.0



#19
n-Nitroso-di-n-propylamine
Concen: 16.058 ng
RT: 7.522 min Scan# 906
Delta R.T. 0.147 min
Lab File: BF143114.D
Acq: 16 Jul 2025 15:13

Tgt Ion: 70 Resp: 111188
Ion Ratio Lower Upper
70 100
42 54.4 53.2 79.8
101 0.0 7.5 11.3#
130 1.9 15.7 23.5#



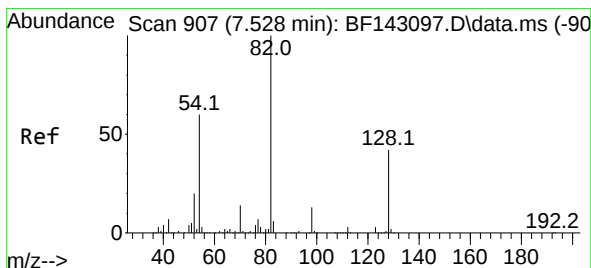
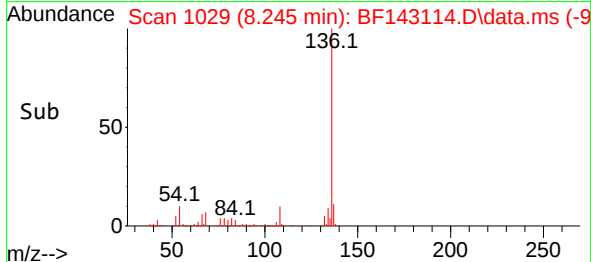
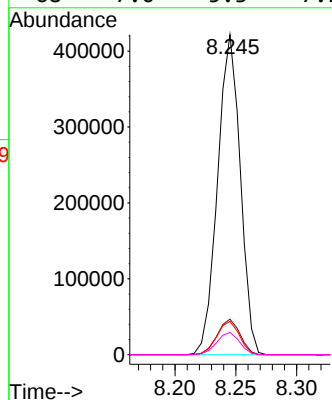
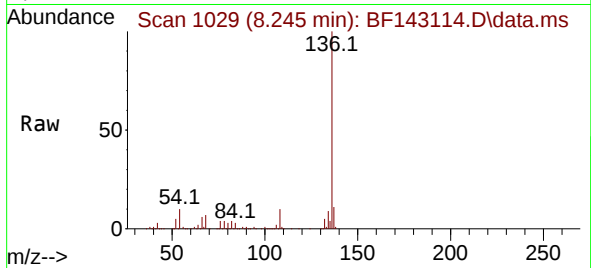


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF143114.D
Acq: 16 Jul 2025 15:13

Instrument :
BNA_F
ClientSampleId :
PB168802BL

Tgt Ion:136 Resp: 546431

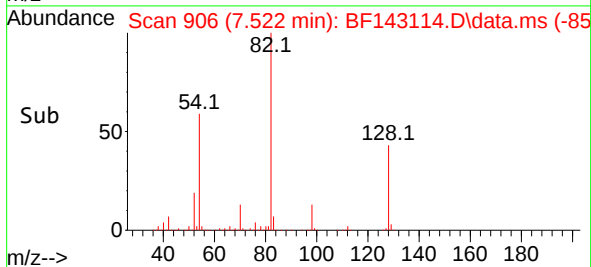
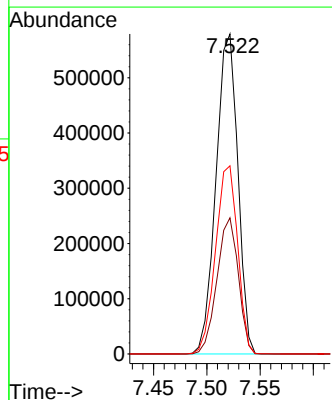
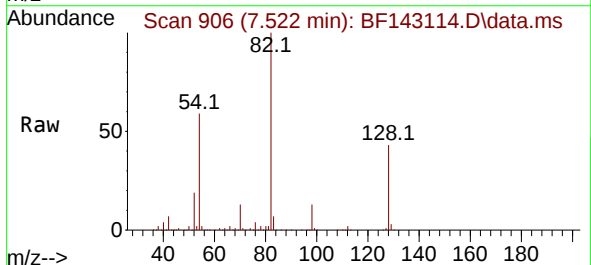
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	10.4	8.3	12.5
68	7.0	5.3	7.9

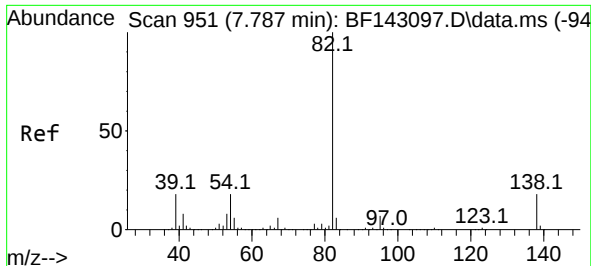


#23
Nitrobenzene-d5
Concen: 84.718 ng
RT: 7.522 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF143114.D
Acq: 16 Jul 2025 15:13

Tgt Ion: 82 Resp: 825206

Ion	Ratio	Lower	Upper
82	100		
128	42.5	33.3	49.9
54	58.8	47.4	71.2

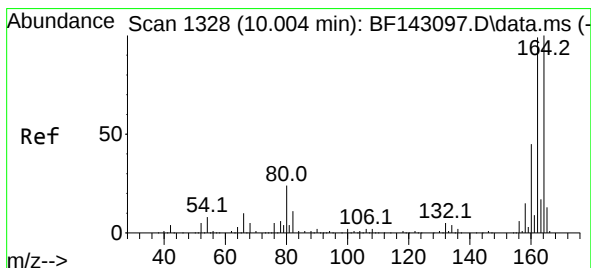
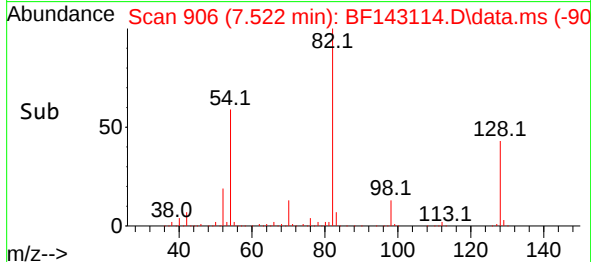
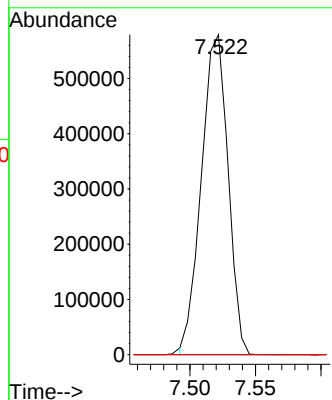
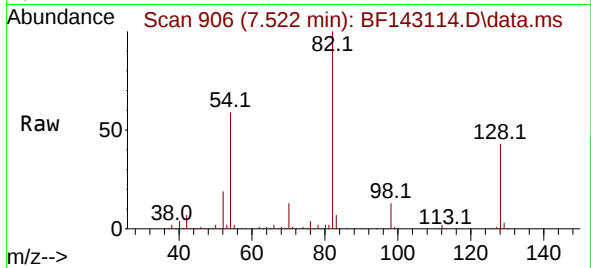




#25
Isophorone
Concen: 43.568 ng
RT: 7.522 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143114.D
Acq: 16 Jul 2025 15:13

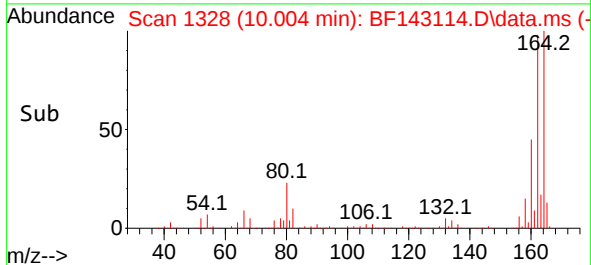
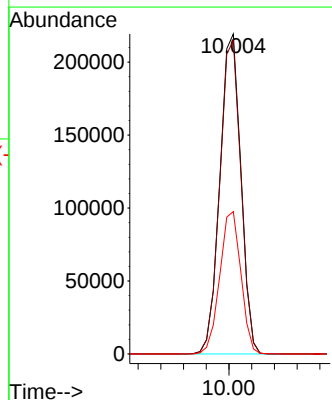
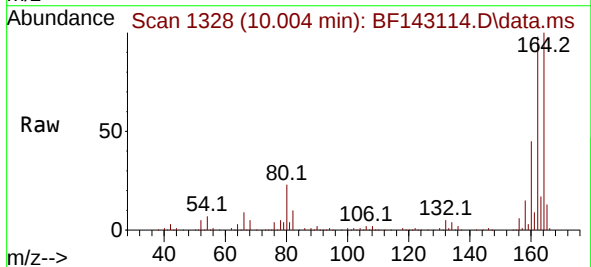
Instrument :
BNA_F
ClientSampleId :
PB168802BL

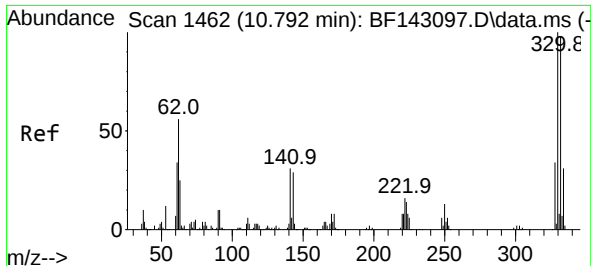
Tgt Ion: 82 Resp: 820268
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.3 21.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1328
Delta R.T. -0.000 min
Lab File: BF143114.D
Acq: 16 Jul 2025 15:13

Tgt Ion:164 Resp: 282321
Ion Ratio Lower Upper
164 100
162 98.0 79.0 118.6
160 44.5 35.8 53.6

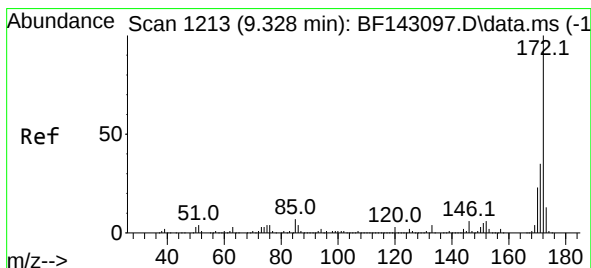
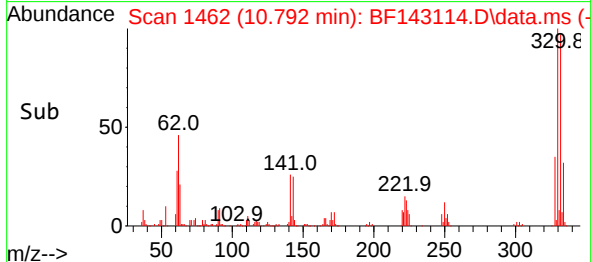
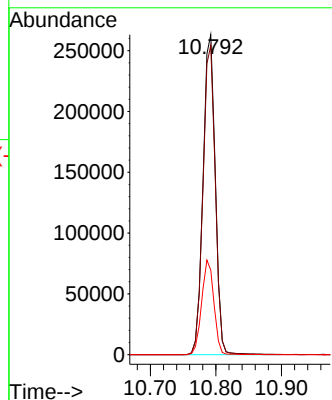
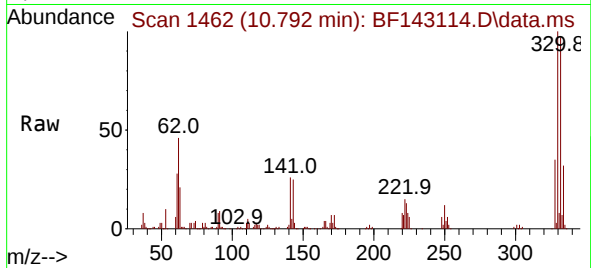




#42
 2,4,6-Tribromophenol
 Concen: 135.863 ng
 RT: 10.792 min Scan# 1462
 Delta R.T. -0.000 min
 Lab File: BF143114.D
 Acq: 16 Jul 2025 15:13

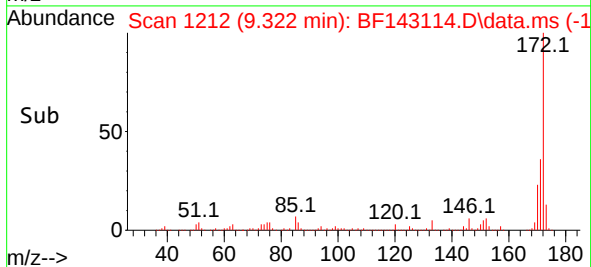
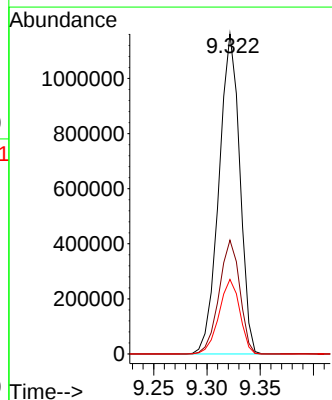
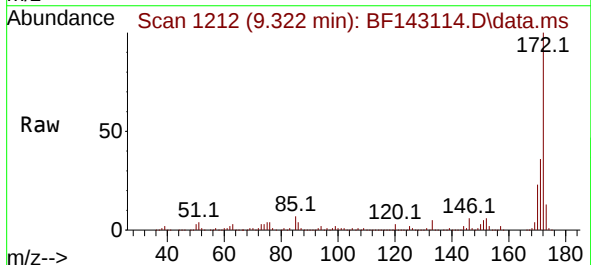
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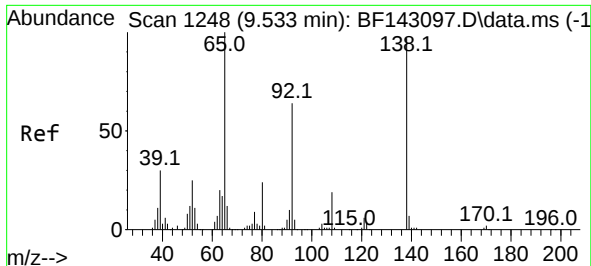
Tgt Ion: 330 Resp: 342011
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.9 116.9
 141 29.6 25.9 38.9



#45
 2-Fluorobiphenyl
 Concen: 74.298 ng
 RT: 9.322 min Scan# 1212
 Delta R.T. -0.006 min
 Lab File: BF143114.D
 Acq: 16 Jul 2025 15:13

Tgt Ion: 172 Resp: 1577993
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.2 42.4
 170 23.3 18.6 28.0

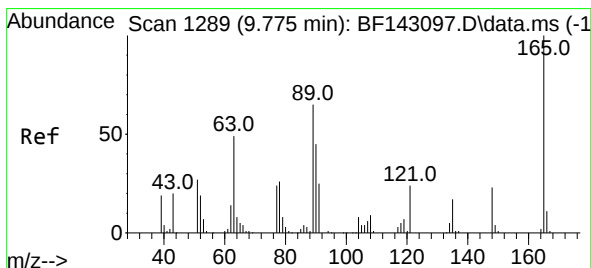
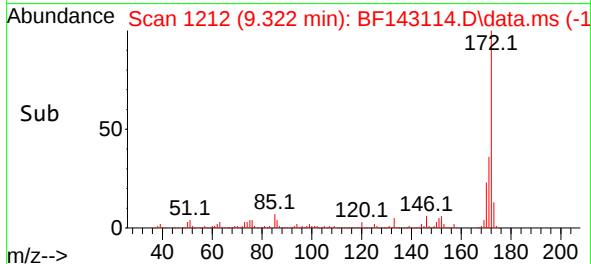
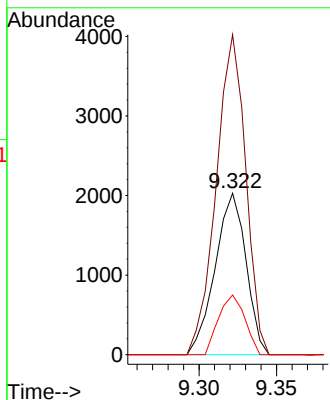
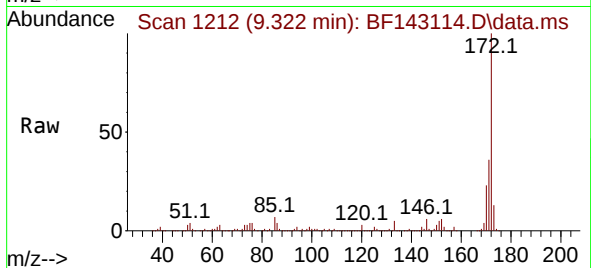




#48
2-Nitroaniline
Concen: 3.708 ng
RT: 9.322 min Scan# 11
Delta R.T. -0.211 min
Lab File: BF143114.D
Acq: 16 Jul 2025 15:13

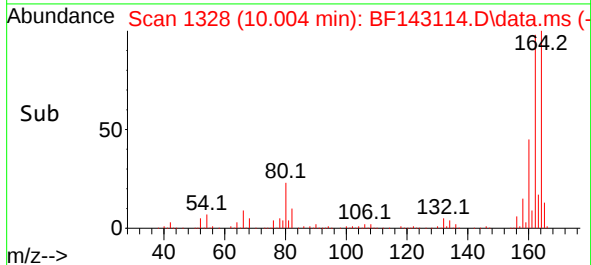
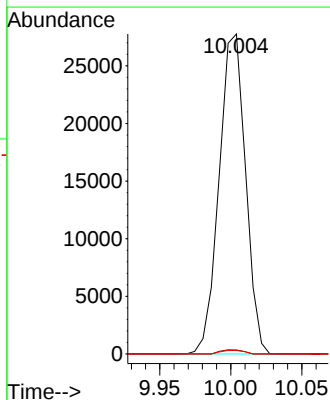
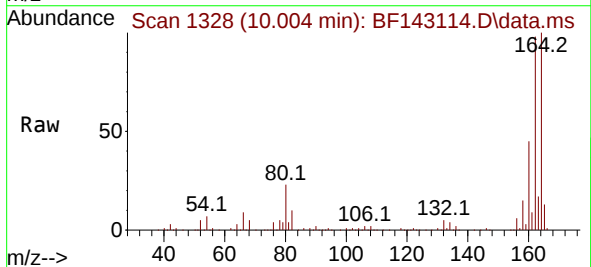
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ClientSampleId :
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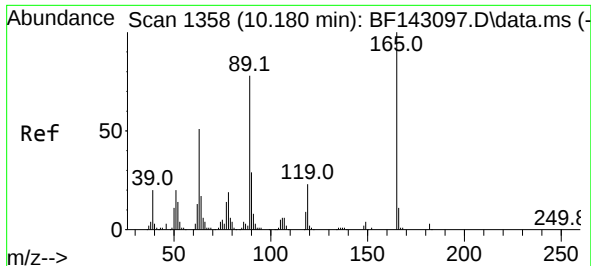
Tgt Ion: 65 Resp: 2814
Ion Ratio Lower Upper
65 100
92 198.1 51.3 76.9#
138 36.9 77.8 116.6#



#51
2,6-Dinitrotoluene
Concen: 12.442 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.229 min
Lab File: BF143114.D
Acq: 16 Jul 2025 15:13

Tgt Ion: 165 Resp: 35950
Ion Ratio Lower Upper
165 100
63 1.3 57.4 86.0#
89 1.1 51.8 77.8#

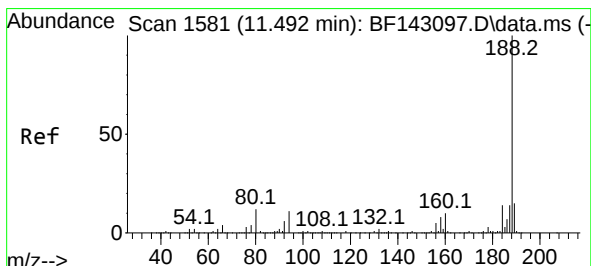
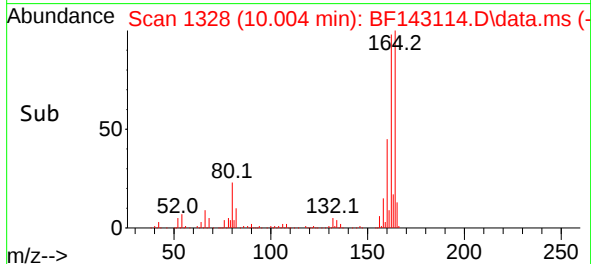
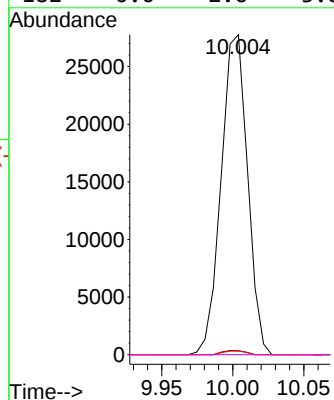
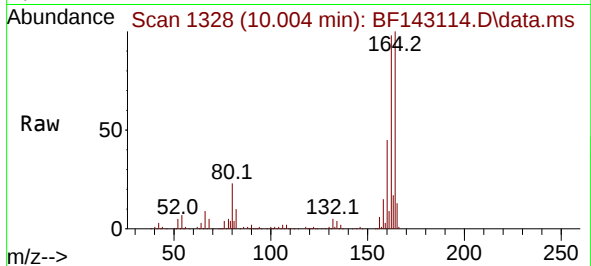




#57
2,4-Dinitrotoluene
Concen: 11.021 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.176 min
Lab File: BF143114.D
Acq: 16 Jul 2025 15:13

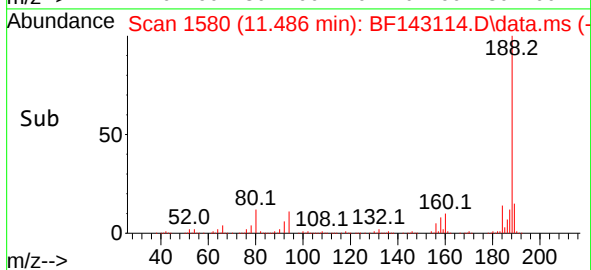
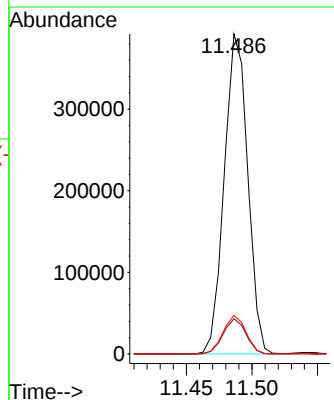
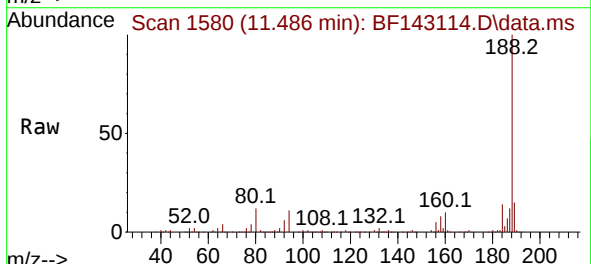
Instrument :
BNA_F
ClientSampleId :
PB168802BL

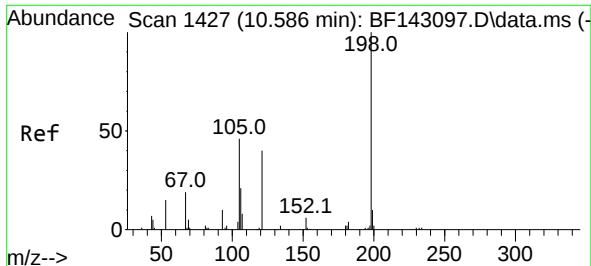
Tgt Ion:165 Resp: 35950
Ion Ratio Lower Upper
165 100
63 1.3 40.6 61.0#
89 1.1 62.3 93.5#
182 0.0 2.6 3.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143114.D
Acq: 16 Jul 2025 15:13

Tgt Ion:188 Resp: 487981
Ion Ratio Lower Upper
188 100
94 11.0 8.6 13.0
80 12.1 9.3 13.9

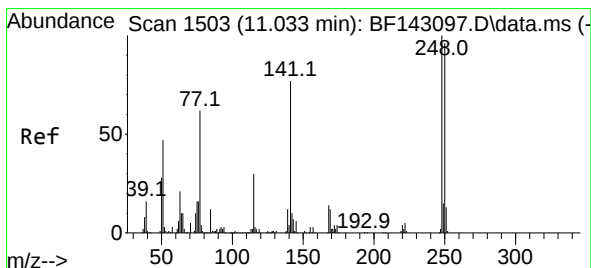
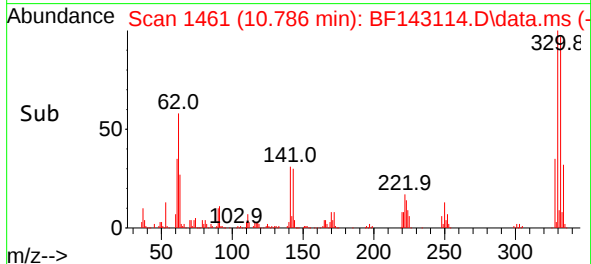
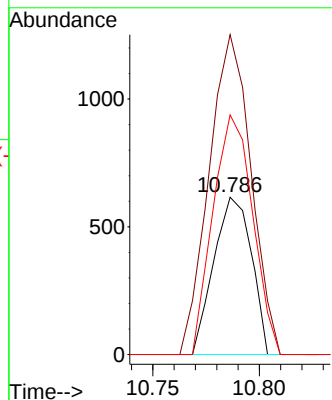
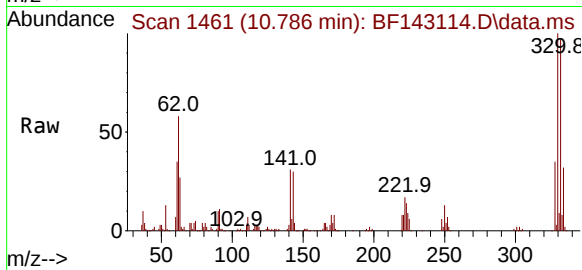




#65
4,6-Dinitro-2-methylphenol
Concen: 5.898 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.200 min
Lab File: BF143114.D
Acq: 16 Jul 2025 15:13

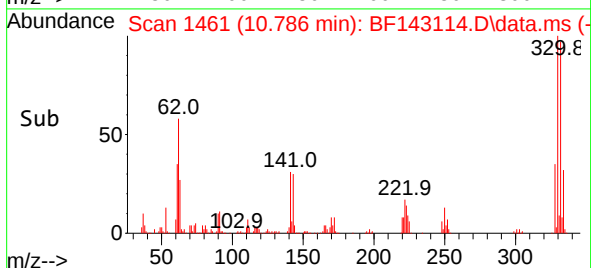
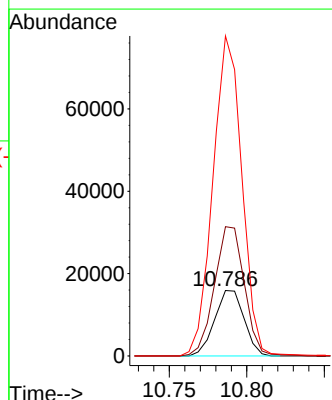
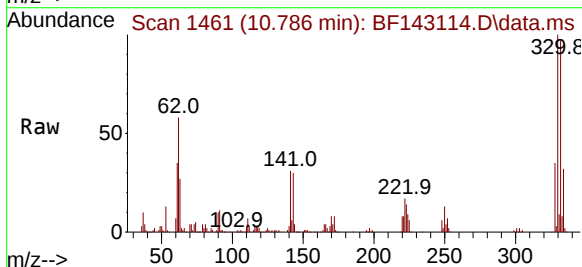
Instrument :
BNA_F
ClientSampleId :
PB168802BL

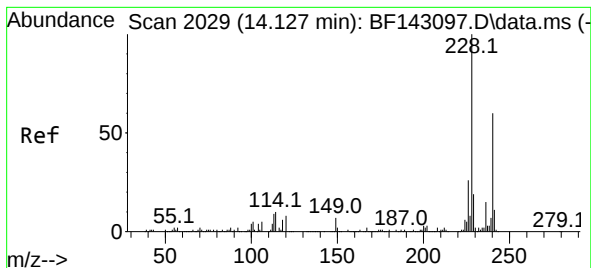
Tgt Ion:198 Resp: 757
Ion Ratio Lower Upper
198 100
51 203.2 44.6 84.6#
105 152.3 29.3 69.3#



#67
4-Bromophenyl-phenylether
Concen: 3.786 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.247 min
Lab File: BF143114.D
Acq: 16 Jul 2025 15:13

Tgt Ion:248 Resp: 21012
Ion Ratio Lower Upper
248 100
250 197.4 76.7 115.1#
141 488.5 61.7 92.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.127 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF143114.D

Acq: 16 Jul 2025 15:13

Instrument :

BNA_F

ClientSampleId :

PB168802BL

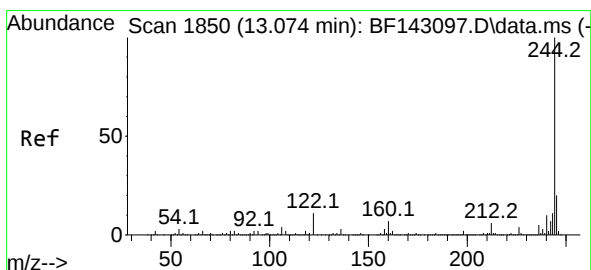
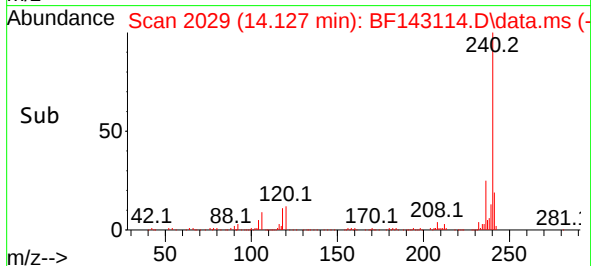
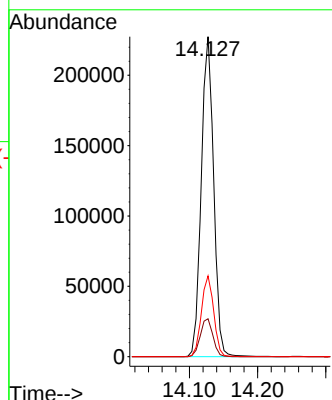
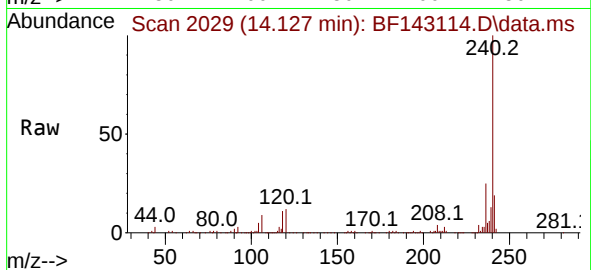
Tgt Ion:240 Resp: 287106

Ion Ratio Lower Upper

240 100

120 11.8 10.0 15.0

236 25.2 20.0 30.0



#79

Terphenyl-d14

Concen: 79.063 ng

RT: 13.074 min Scan# 1850

Delta R.T. -0.000 min

Lab File: BF143114.D

Acq: 16 Jul 2025 15:13

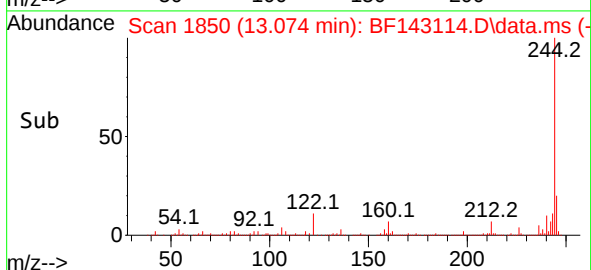
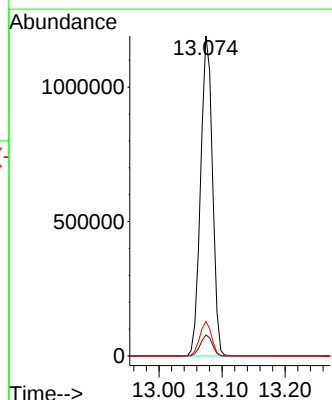
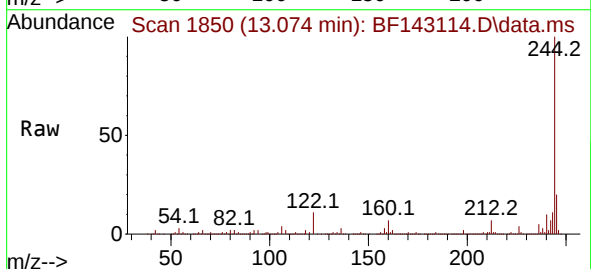
Tgt Ion:244 Resp: 1552831

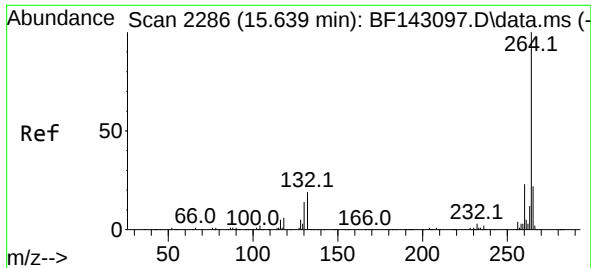
Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

122 10.7 8.8 13.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.633 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF143114.D
 Acq: 16 Jul 2025 15:13

Instrument :
 BNA_F
 ClientSampleId :
 PB168802BL

Tgt Ion:264 Resp: 229634
 Ion Ratio Lower Upper
 264 100
 260 22.2 18.5 27.7
 265 21.4 17.5 26.3

