

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
 Data File : BF143803.D
 Acq On : 25 Sep 2025 13:46
 Operator : RC/JU
 Sample : PB169827BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169827BL

Quant Time: Sep 25 14:34:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 24 05:00:00 2025
 Response via : Initial Calibration

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

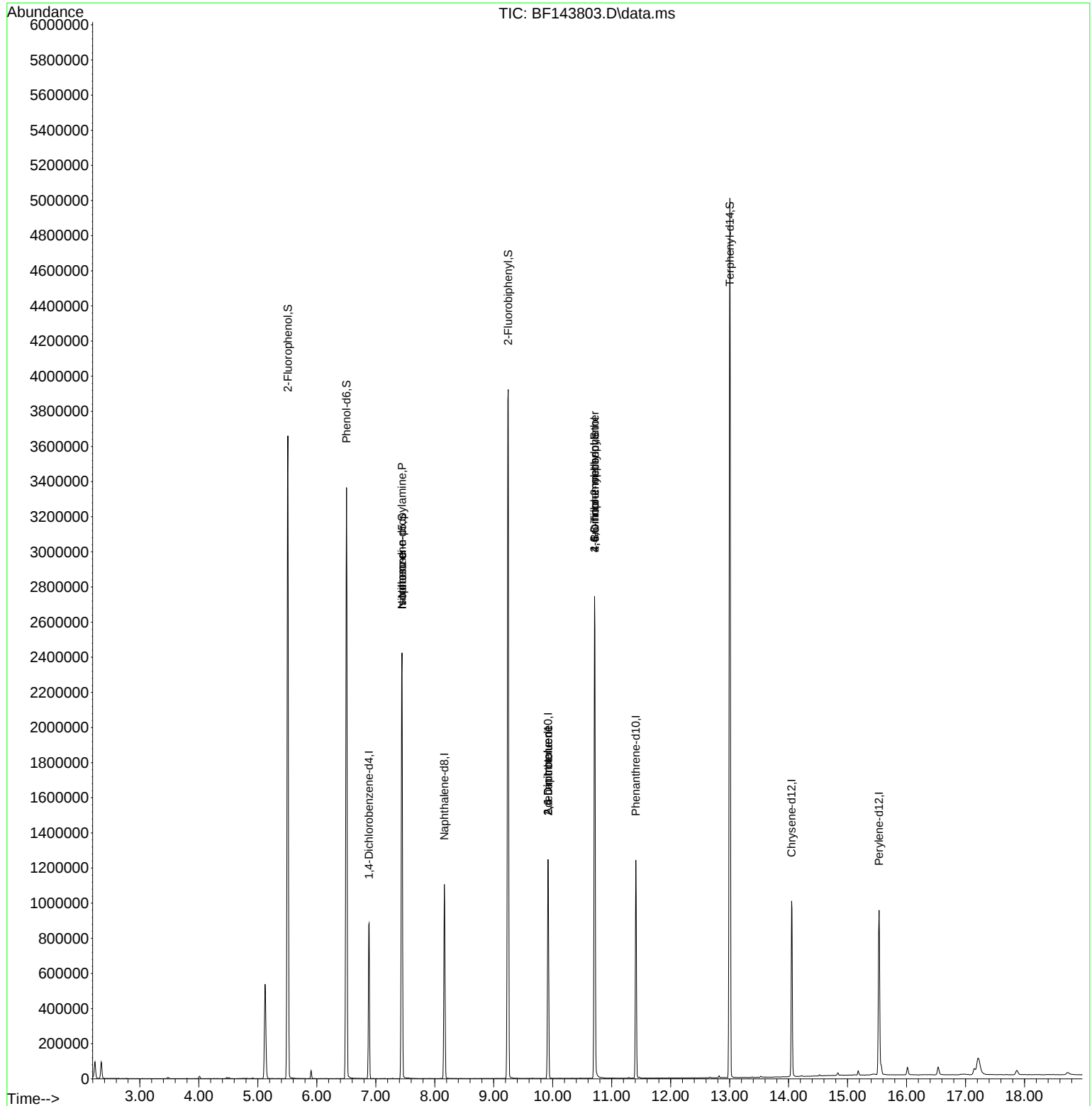
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	181119	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	699988	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	382723	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	628340	20.000	ng	0.00
76) Chrysene-d12	14.051	240	557779	20.000	ng	-0.01
86) Perylene-d12	15.533	264	642668	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1350528	121.147	ng	0.01
7) Phenol-d6	6.504	99	1583008	122.899	ng	0.00
23) Nitrobenzene-d5	7.445	82	1057786	92.500	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	582036	102.709	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	2019445	82.340	ng	0.00
79) Terphenyl-d14	13.004	244	2921898	106.537	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	152000	18.351	ng	# 74
25) Isophorone	7.445	82	1048685	47.059	ng	# 66
51) 2,6-Dinitrotoluene	9.922	165	48839	12.743	ng	# 17
57) 2,4-Dinitrotoluene	9.922	165	48839	10.983	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.710	198	1000	4.654	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	43493	4.062	ng	# 1

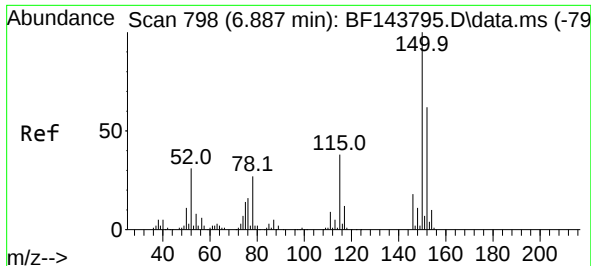
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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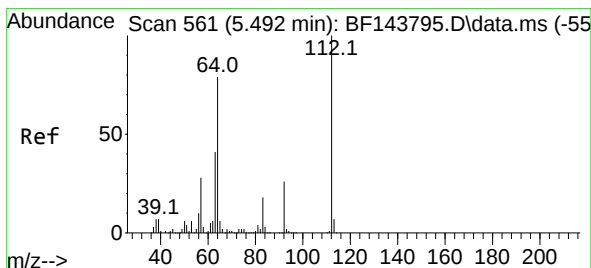
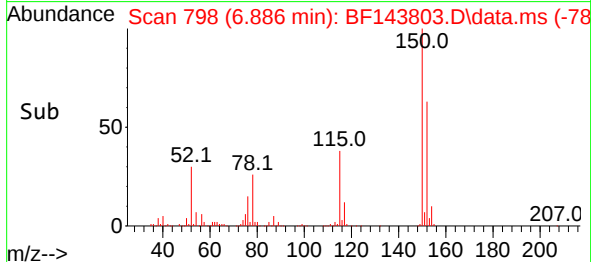
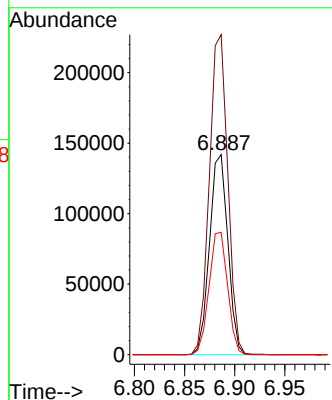
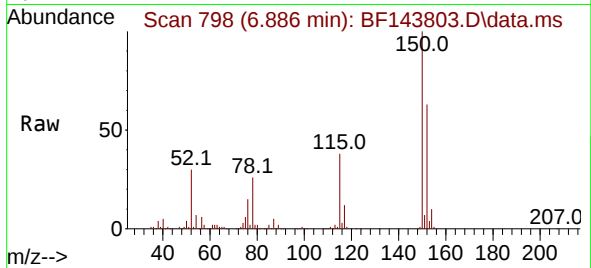




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF143803.D
Acq: 25 Sep 2025 13:46

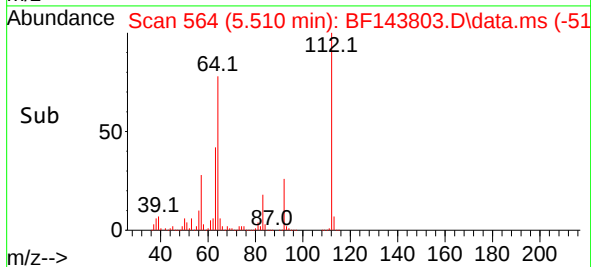
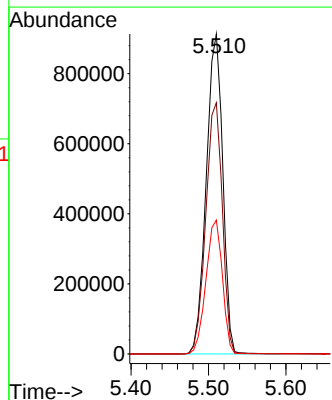
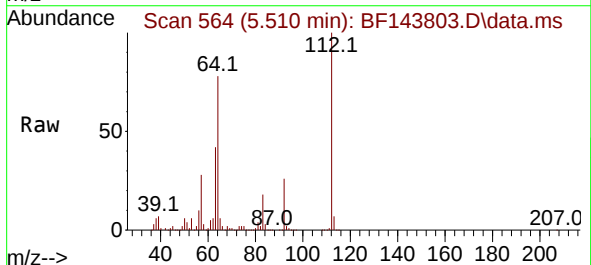
Instrument :
BNA_F
ClientSampleId :
PB169827BL

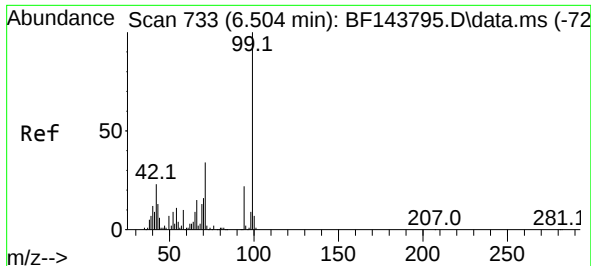
Tgt Ion:152 Resp: 181119
Ion Ratio Lower Upper
152 100
150 159.9 129.6 194.4
115 61.2 49.0 73.4



#5
2-Fluorophenol
Concen: 121.147 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.012 min
Lab File: BF143803.D
Acq: 25 Sep 2025 13:46

Tgt Ion:112 Resp: 1350528
Ion Ratio Lower Upper
112 100
64 78.5 63.0 94.4
63 41.8 32.6 49.0

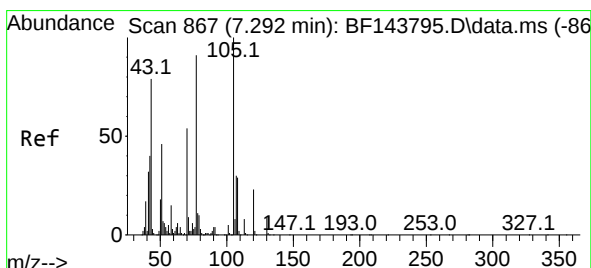
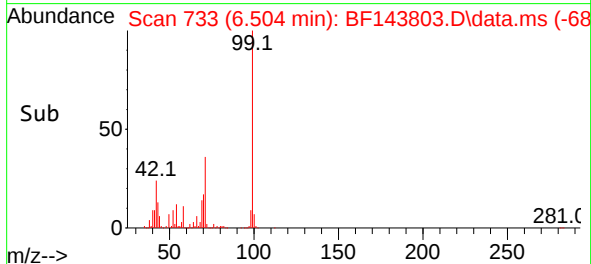
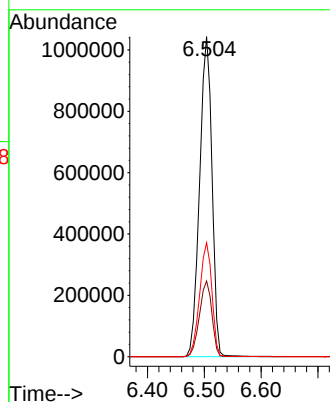
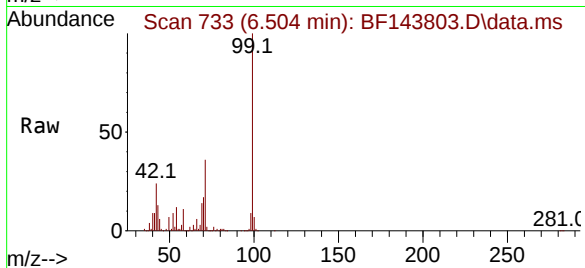




#7
Phenol-d6
Concen: 122.899 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143803.D
Acq: 25 Sep 2025 13:46

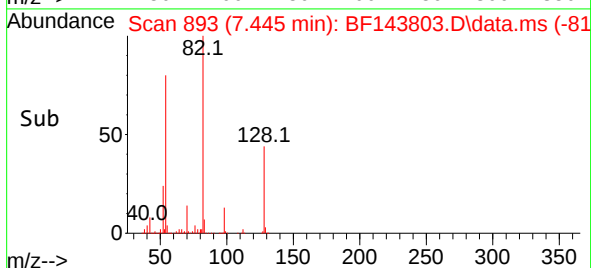
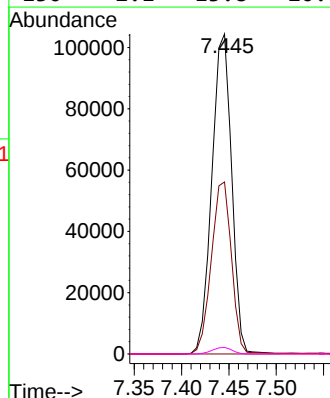
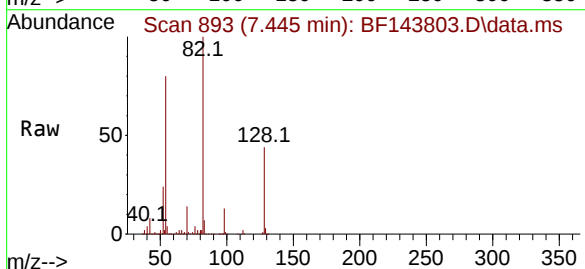
Instrument :
BNA_F
ClientSampleId :
PB169827BL

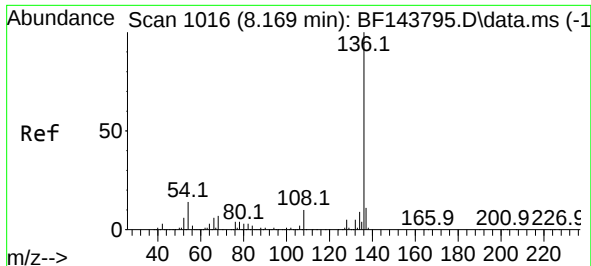
Tgt Ion: 99 Resp: 1583008
Ion Ratio Lower Upper
99 100
42 23.7 18.6 28.0
71 35.6 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 18.351 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.141 min
Lab File: BF143803.D
Acq: 25 Sep 2025 13:46

Tgt Ion: 70 Resp: 152000
Ion Ratio Lower Upper
70 100
42 53.8 59.4 89.0#
101 0.0 7.1 10.7#
130 2.1 13.8 20.8#

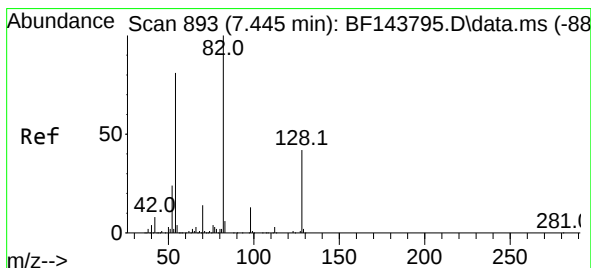
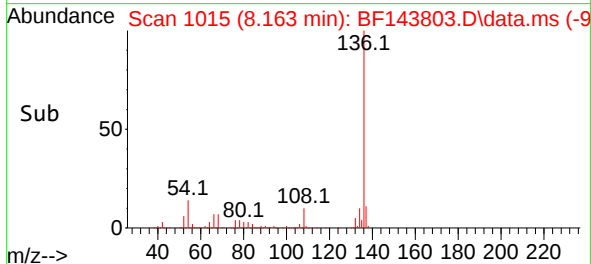
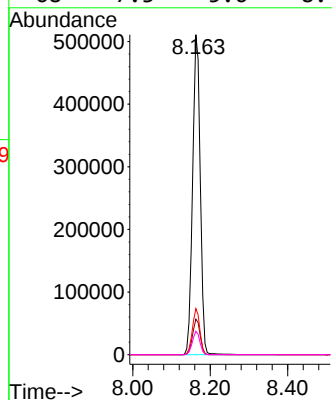
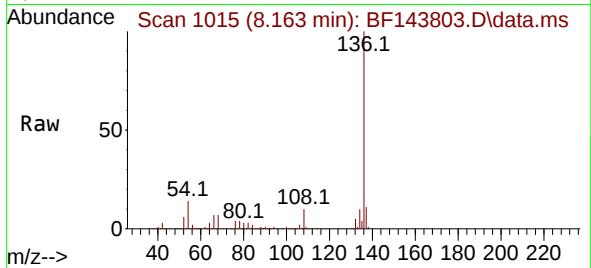




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143803.D
Acq: 25 Sep 2025 13:46

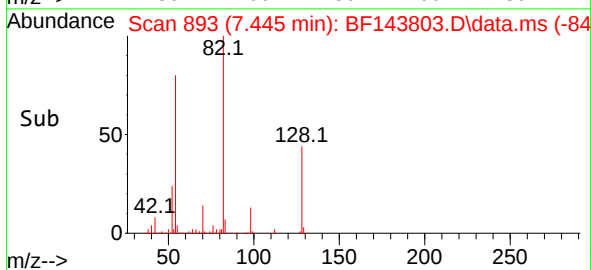
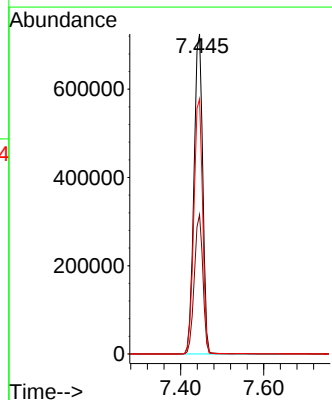
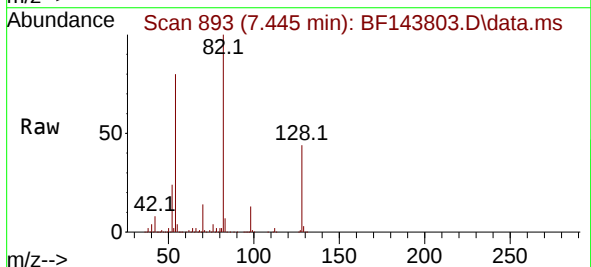
Instrument :
BNA_F
ClientSampleId :
PB169827BL

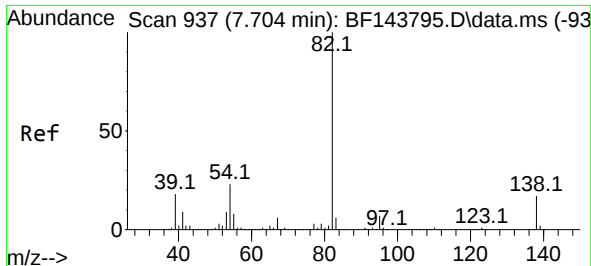
Tgt Ion:136 Resp: 699988
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 14.4 11.2 16.8
68 7.3 5.6 8.4



#23
Nitrobenzene-d5
Concen: 92.500 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.006 min
Lab File: BF143803.D
Acq: 25 Sep 2025 13:46

Tgt Ion: 82 Resp: 1057786
Ion Ratio Lower Upper
82 100
128 43.5 33.3 49.9
54 79.6 64.2 96.4

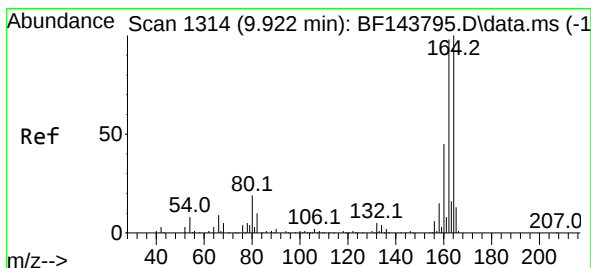
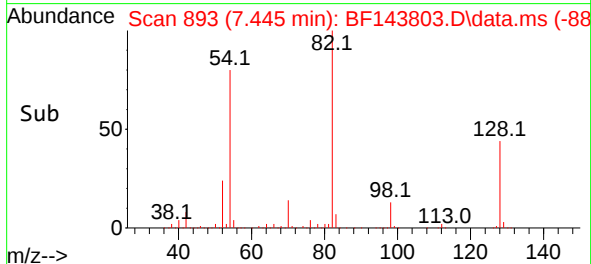
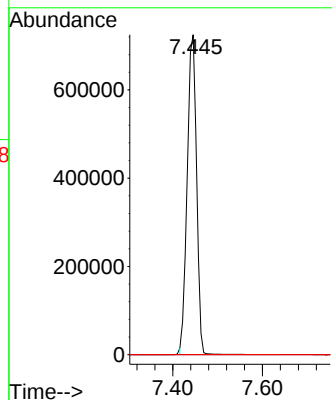
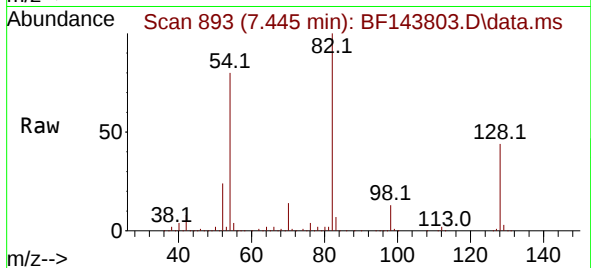




#25
Isophorone
Concen: 47.059 ng
RT: 7.445 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF143803.D
Acq: 25 Sep 2025 13:46

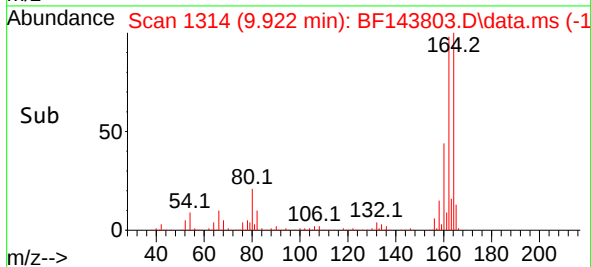
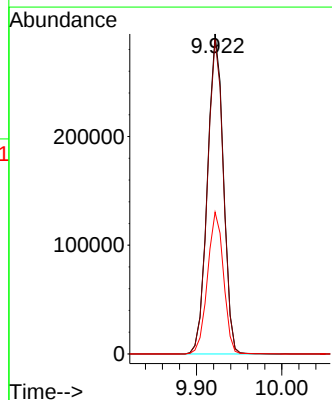
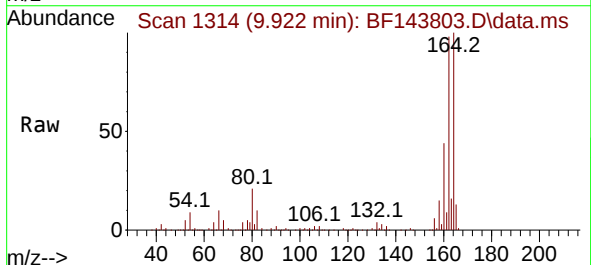
Instrument :
BNA_F
ClientSampleId :
PB169827BL

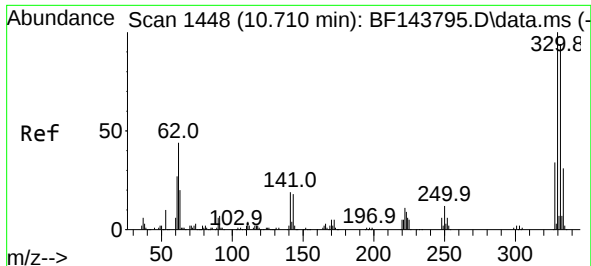
Tgt Ion: 82 Resp: 1048685
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF143803.D
Acq: 25 Sep 2025 13:46

Tgt Ion: 164 Resp: 382723
Ion Ratio Lower Upper
164 100
162 98.2 78.8 118.2
160 44.3 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 102.709 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF143803.D

Acq: 25 Sep 2025 13:46

Instrument :

BNA_F

ClientSampleId :

PB169827BL

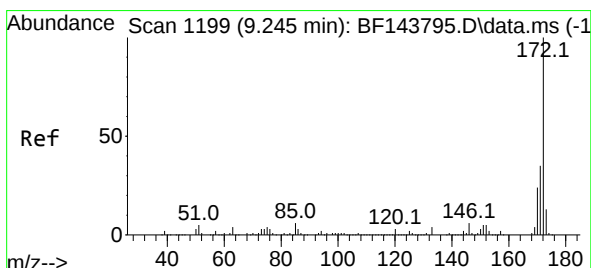
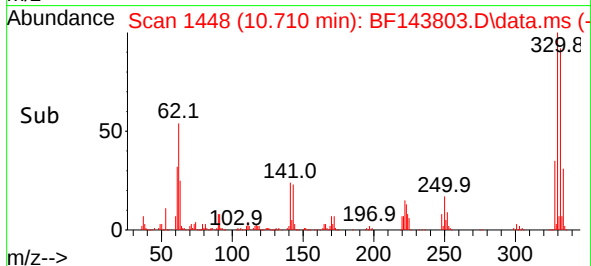
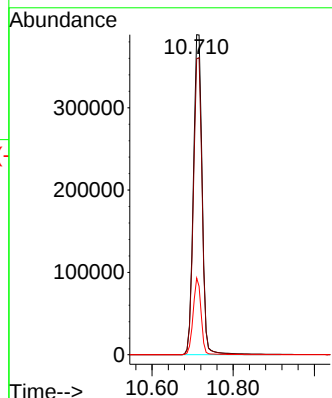
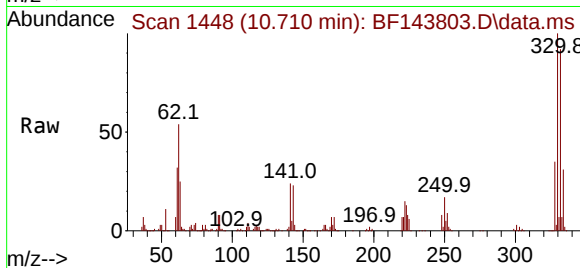
Tgt Ion:330 Resp: 582036

Ion Ratio Lower Upper

330 100

332 93.1 74.7 112.1

141 21.7 14.3 21.5#



#45

2-Fluorobiphenyl

Concen: 82.340 ng

RT: 9.245 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF143803.D

Acq: 25 Sep 2025 13:46

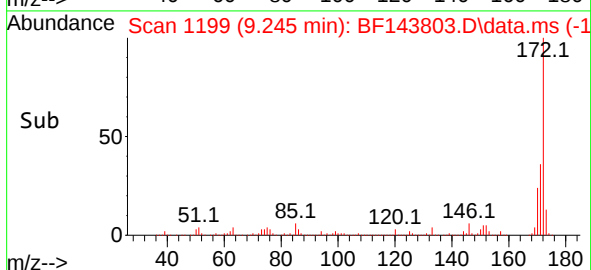
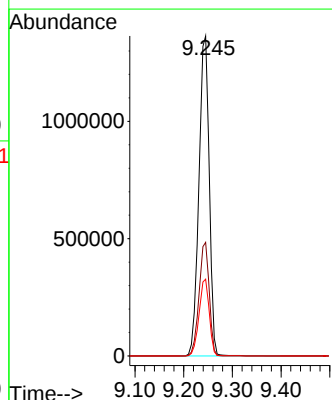
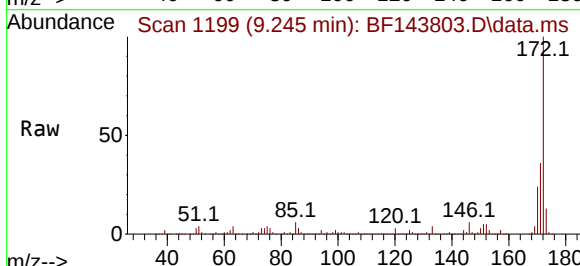
Tgt Ion:172 Resp: 2019445

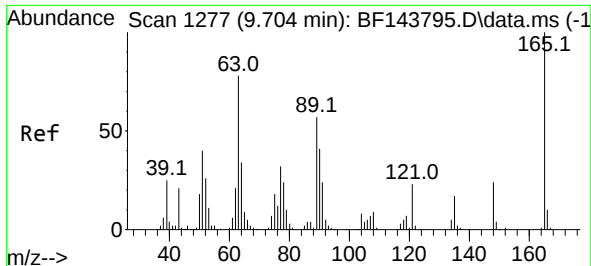
Ion Ratio Lower Upper

172 100

171 35.5 27.9 41.9

170 24.0 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 12.743 ng

RT: 9.922 min Scan# 1

Delta R.T. 0.218 min

Lab File: BF143803.D

Acq: 25 Sep 2025 13:46

Instrument :

BNA_F

ClientSampleId :

PB169827BL

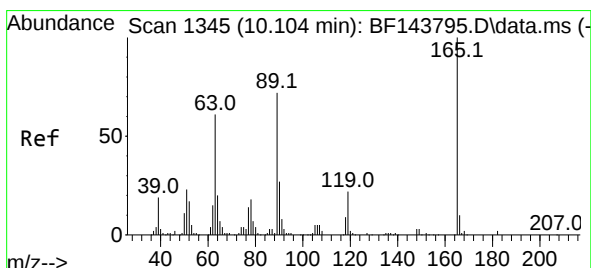
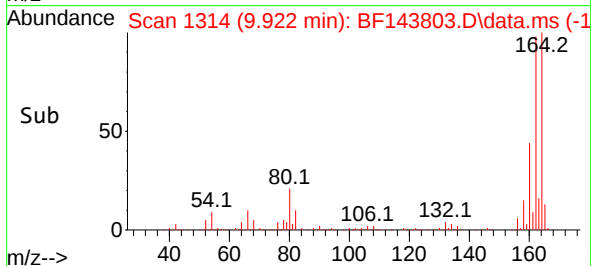
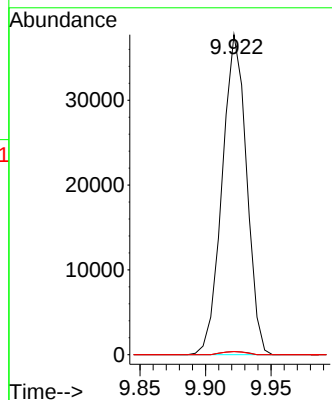
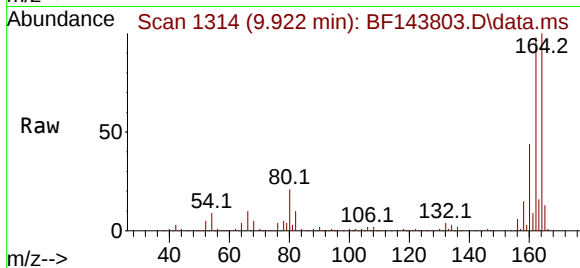
Tgt Ion:165 Resp: 48839

Ion Ratio Lower Upper

165 100

63 1.0 62.6 94.0#

89 1.0 45.2 67.8#



#57

2,4-Dinitrotoluene

Concen: 10.983 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.188 min

Lab File: BF143803.D

Acq: 25 Sep 2025 13:46

Tgt Ion:165 Resp: 48839

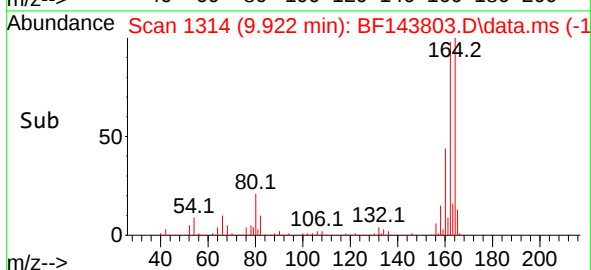
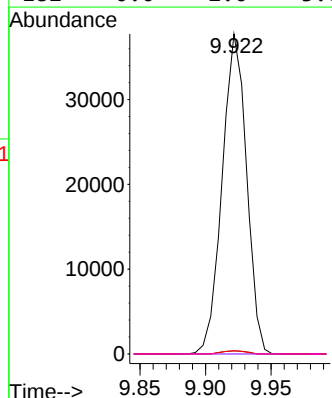
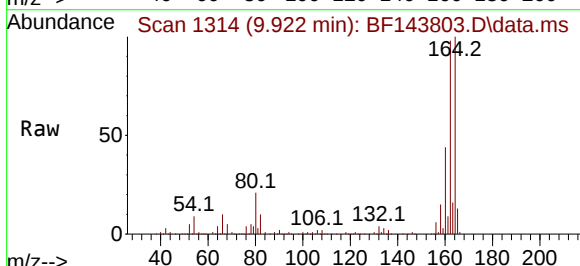
Ion Ratio Lower Upper

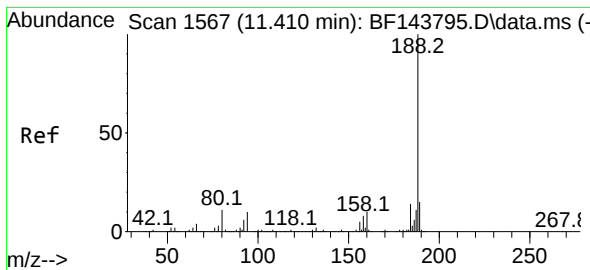
165 100

63 1.0 48.9 73.3#

89 1.0 57.5 86.3#

182 0.0 2.0 3.0#

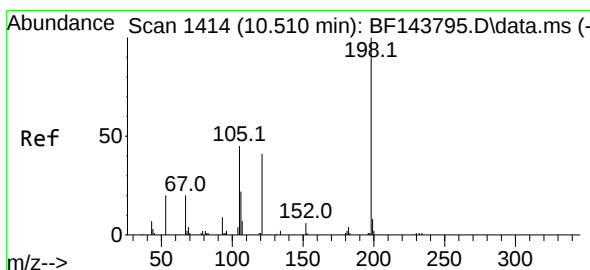
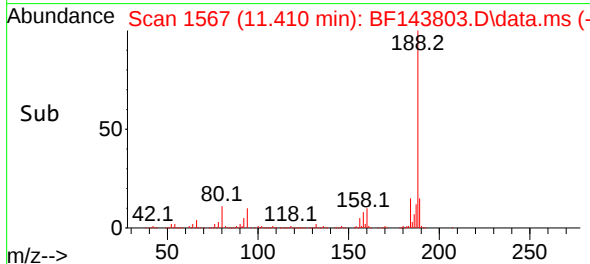
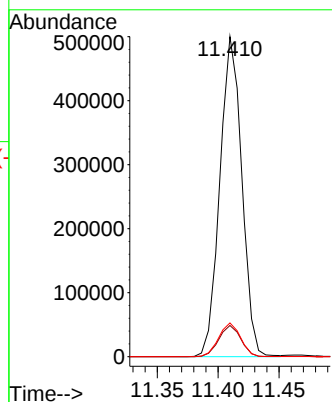
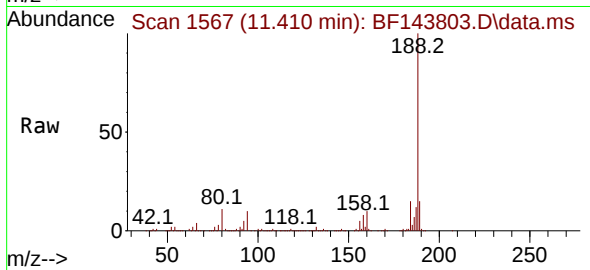




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143803.D
Acq: 25 Sep 2025 13:46

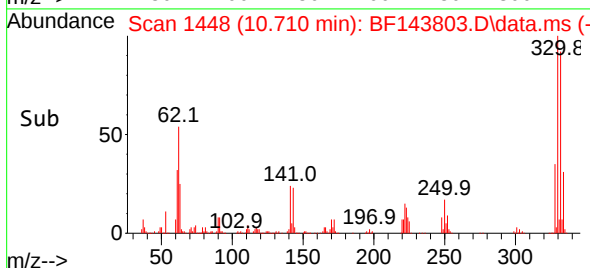
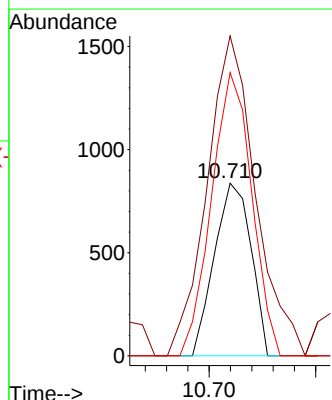
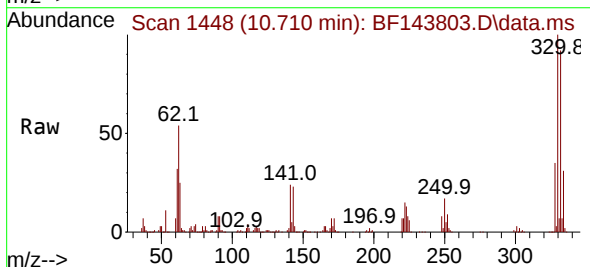
Instrument :
BNA_F
ClientSampleId :
PB169827BL

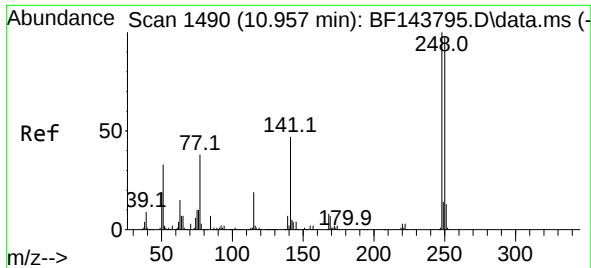
Tgt Ion:188 Resp: 628340
Ion Ratio Lower Upper
188 100
94 9.8 8.2 12.2
80 10.5 8.6 12.8



#65
4,6-Dinitro-2-methylphenol
Concen: 4.654 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.194 min
Lab File: BF143803.D
Acq: 25 Sep 2025 13:46

Tgt Ion:198 Resp: 1000
Ion Ratio Lower Upper
198 100
51 185.3 52.0 92.0#
105 164.0 27.5 67.5#

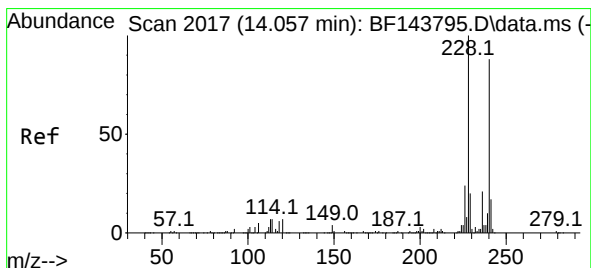
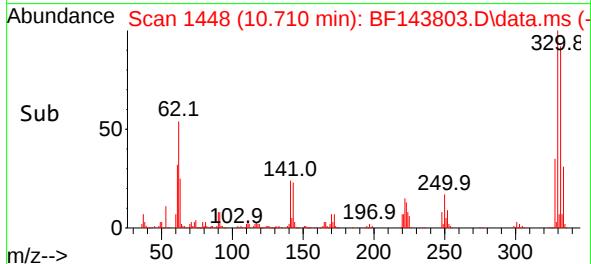
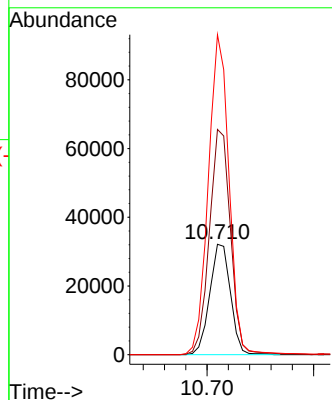
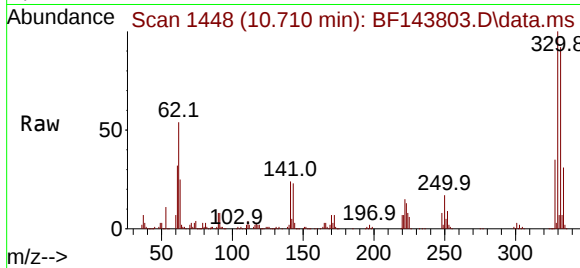




#67
4-Bromophenyl-phenylether
Concen: 4.062 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF143803.D
Acq: 25 Sep 2025 13:46

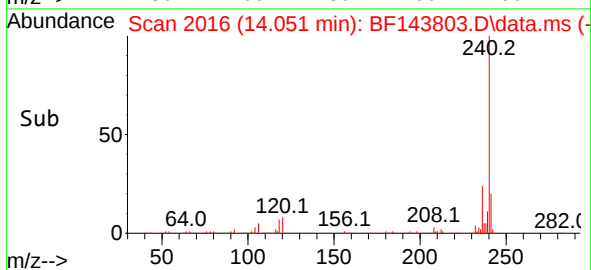
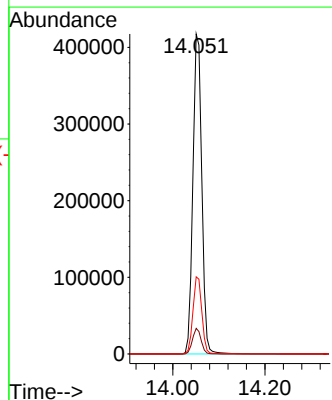
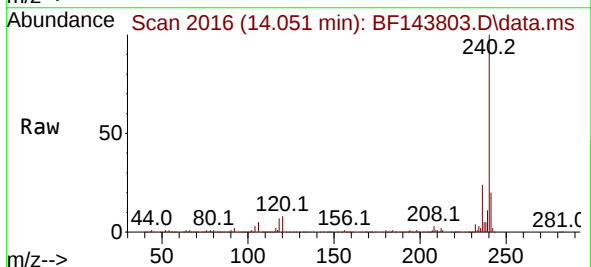
Instrument :
BNA_F
ClientSampleId :
PB169827BL

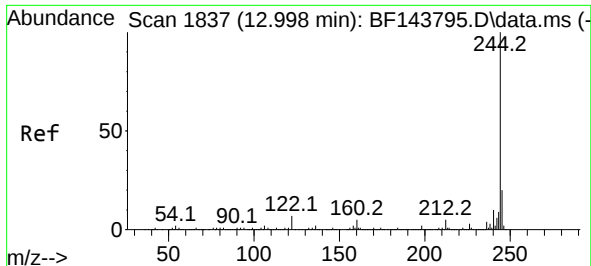
Tgt Ion:248 Resp: 43493
Ion Ratio Lower Upper
248 100
250 204.0 78.7 118.1#
141 289.8 37.9 56.9#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF143803.D
Acq: 25 Sep 2025 13:46

Tgt Ion:240 Resp: 557779
Ion Ratio Lower Upper
240 100
120 8.0 6.2 9.4
236 24.1 19.4 29.2

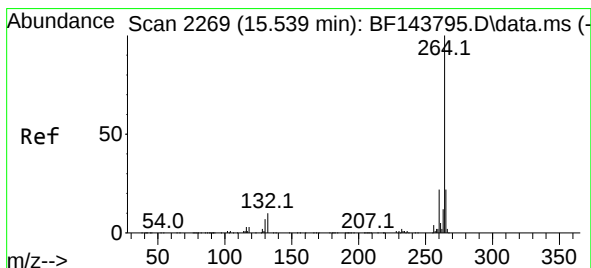
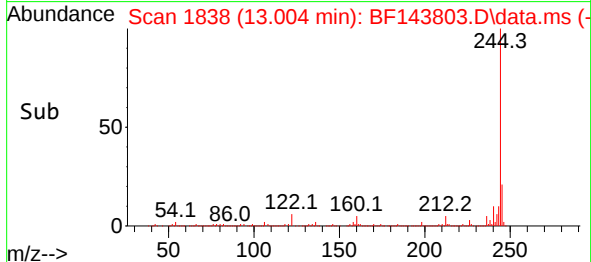
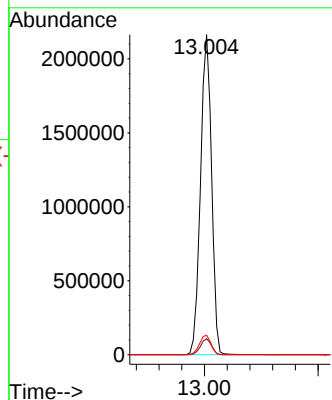
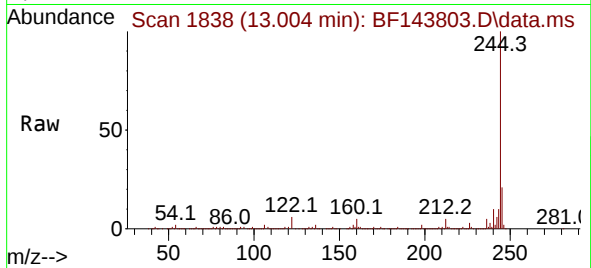




#79
 Terphenyl-d14
 Concen: 106.537 ng
 RT: 13.004 min Scan# 1838
 Delta R.T. -0.000 min
 Lab File: BF143803.D
 Acq: 25 Sep 2025 13:46

Instrument :
 BNA_F
 ClientSampleId :
 PB169827BL

Tgt Ion:244 Resp: 2921898
 Ion Ratio Lower Upper
 244 100
 212 5.0 3.9 5.9
 122 6.0 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.533 min Scan# 2268
 Delta R.T. -0.006 min
 Lab File: BF143803.D
 Acq: 25 Sep 2025 13:46

Tgt Ion:264 Resp: 642668
 Ion Ratio Lower Upper
 264 100
 260 23.2 17.9 26.9
 265 22.3 17.7 26.5

