

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF093025\
 Data File : BF143845.D
 Acq On : 30 Sep 2025 21:03
 Operator : RC/JU
 Sample : Q3231-12
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Quant Time: Oct 01 02:37:08 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)

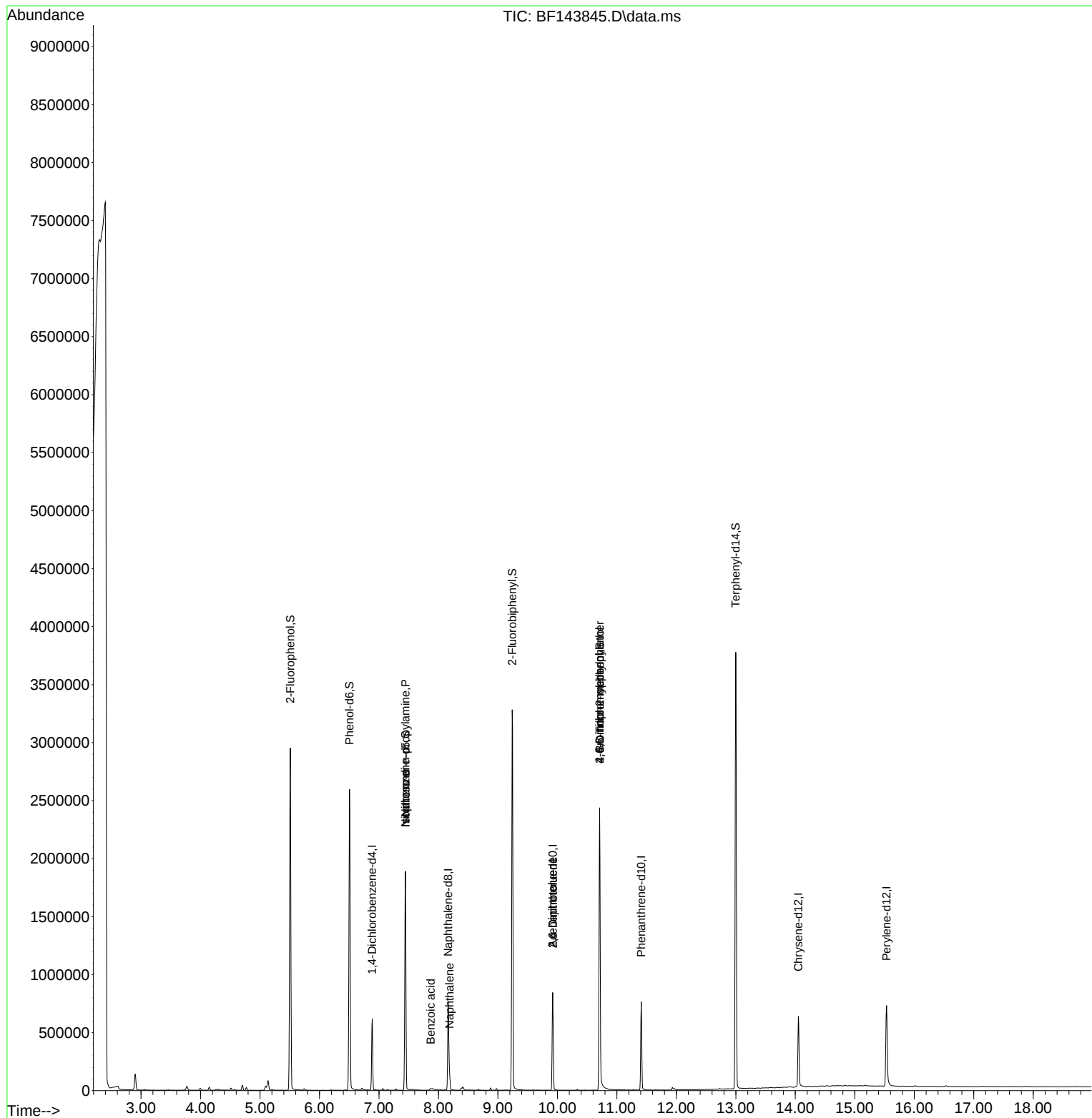
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	124684	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	477552	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	253811	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	402759	20.000	ng	0.00
76) Chrysene-d12	14.051	240	366885	20.000	ng	-0.01
86) Perylene-d12	15.533	264	540742	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1078148	140.489	ng	0.01
7) Phenol-d6	6.504	99	1229324	138.638	ng	0.00
23) Nitrobenzene-d5	7.445	82	785639	100.701	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	607746	161.717	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1608295	98.882	ng	0.00
79) Terphenyl-d14	12.998	244	2188088	121.292	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	111234	19.508	ng	# 68
25) Isophorone	7.445	82	777659	51.152	ng	# 66
31) Naphthalene	8.187	128	72419	3.168	ng	99
32) Benzoic acid	7.869	122	12457	3.800	ng	96
51) 2,6-Dinitrotoluene	9.922	165	33450	13.161	ng	# 17
57) 2,4-Dinitrotoluene	9.922	165	33451	11.247	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.710	198	655	4.665	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	36999	5.391	ng	# 1

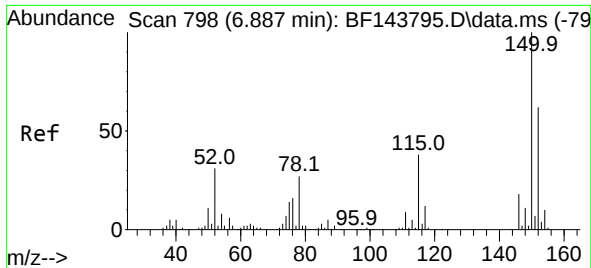
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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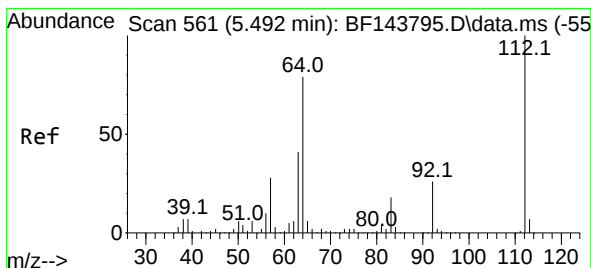
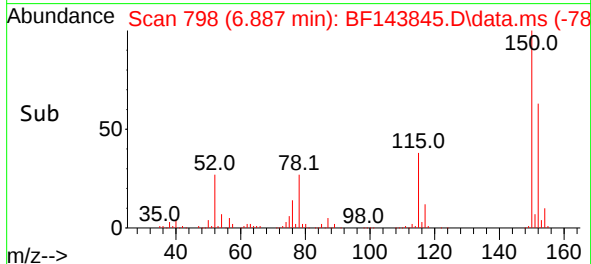
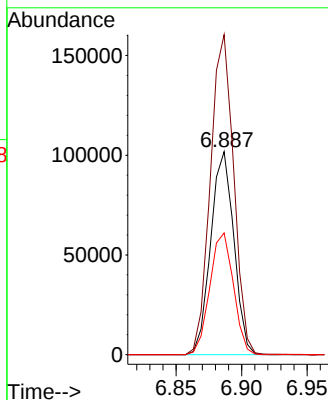
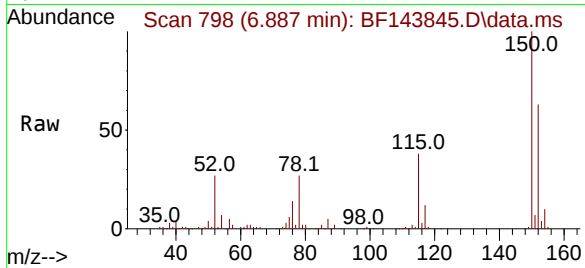




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF143845.D
Acq: 30 Sep 2025 21:03

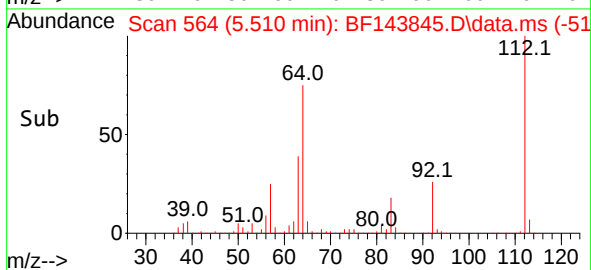
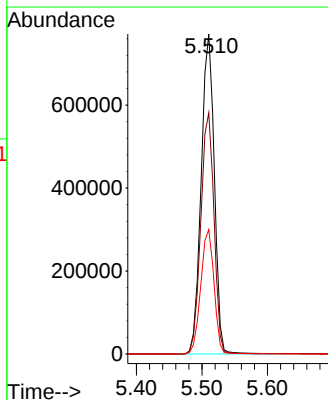
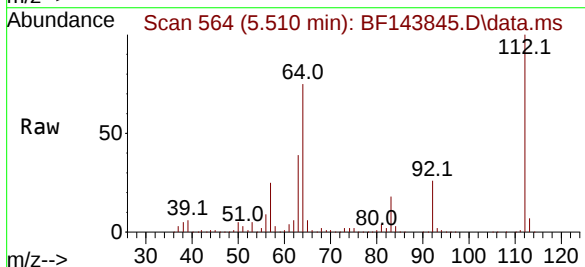
Instrument :
BNA_F
ClientSampleId :
WC-3

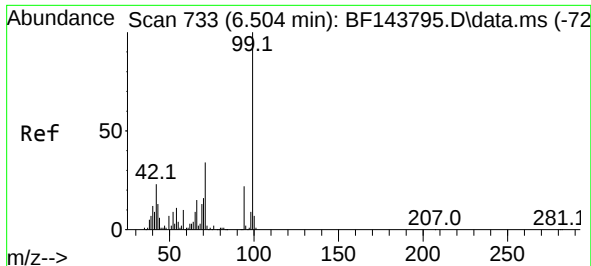
Tgt Ion:152 Resp: 124684
Ion Ratio Lower Upper
152 100
150 157.5 129.6 194.4
115 59.9 49.0 73.4



#5
2-Fluorophenol
Concen: 140.489 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.012 min
Lab File: BF143845.D
Acq: 30 Sep 2025 21:03

Tgt Ion:112 Resp: 1078148
Ion Ratio Lower Upper
112 100
64 75.3 63.0 94.4
63 38.9 32.6 49.0

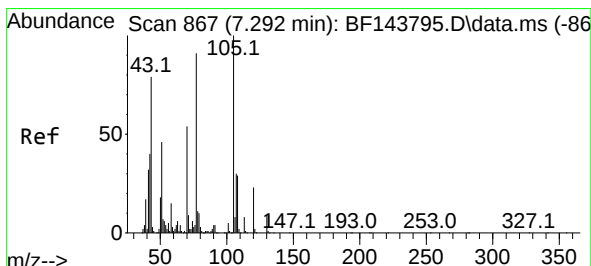
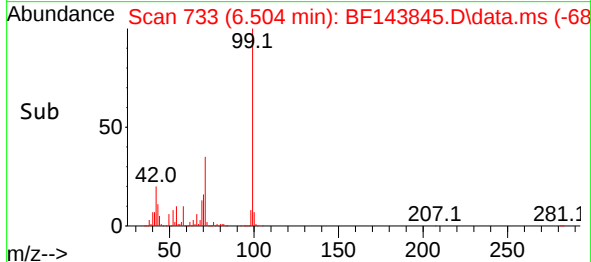
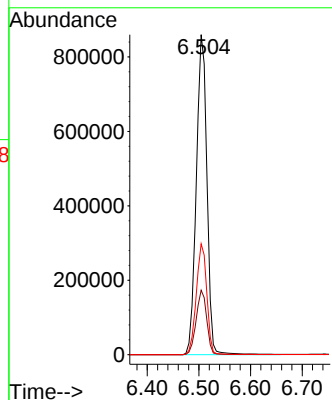
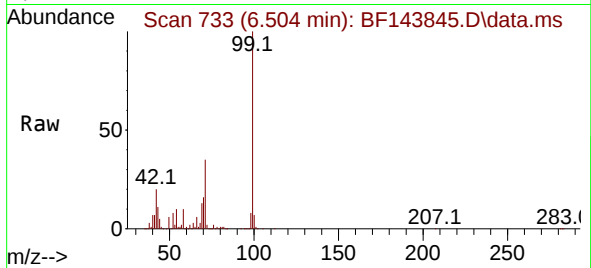




#7
Phenol-d6
Concen: 138.638 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143845.D
Acq: 30 Sep 2025 21:03

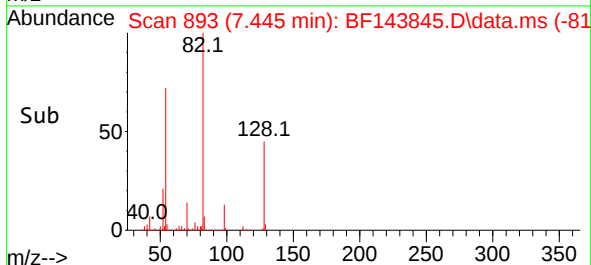
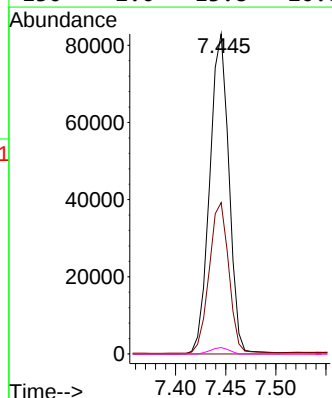
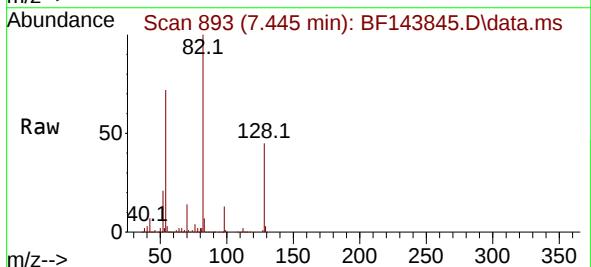
Instrument :
BNA_F
ClientSampleId :
WC-3

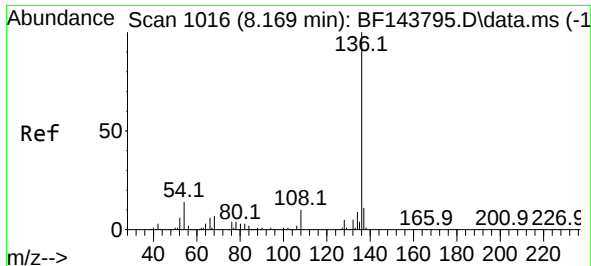
Tgt Ion: 99 Resp: 1229324
Ion Ratio Lower Upper
99 100
42 20.1 18.6 28.0
71 34.7 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 19.508 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.141 min
Lab File: BF143845.D
Acq: 30 Sep 2025 21:03

Tgt Ion: 70 Resp: 111234
Ion Ratio Lower Upper
70 100
42 47.3 59.4 89.0#
101 0.0 7.1 10.7#
130 2.0 13.8 20.8#



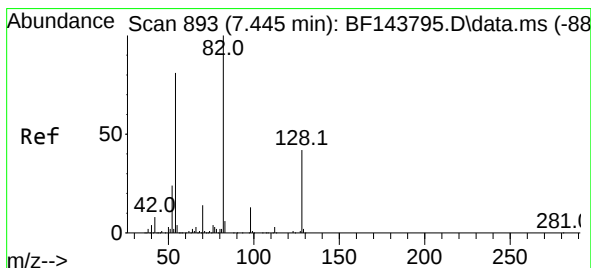
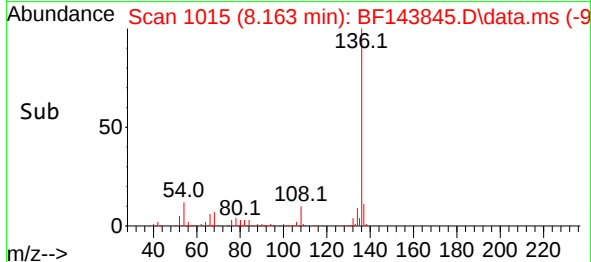
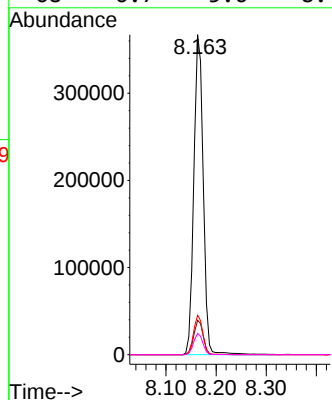
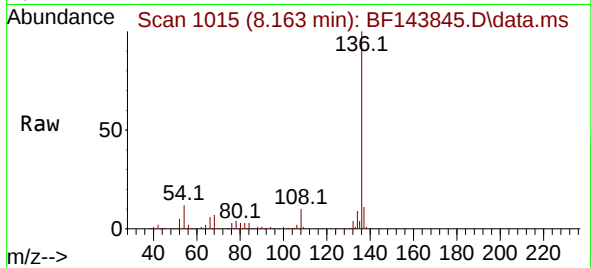


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143845.D
Acq: 30 Sep 2025 21:03

Instrument :
BNA_F
ClientSampleId :
WC-3

Tgt Ion:136 Resp: 477552

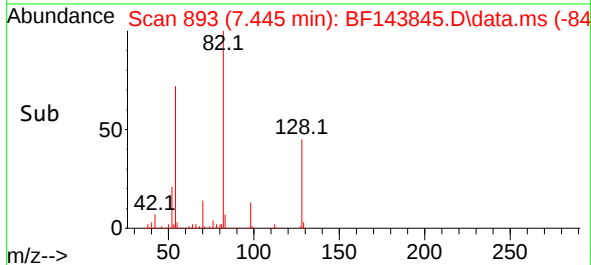
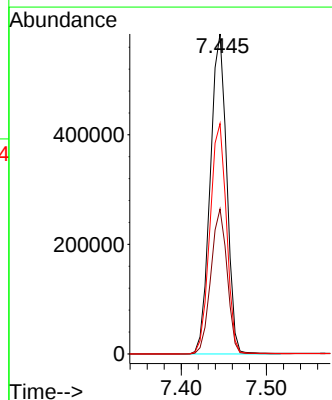
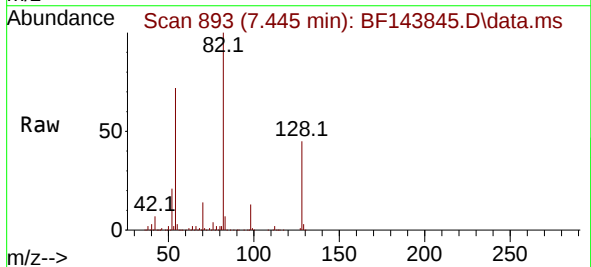
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	12.3	11.2	16.8
68	6.7	5.6	8.4

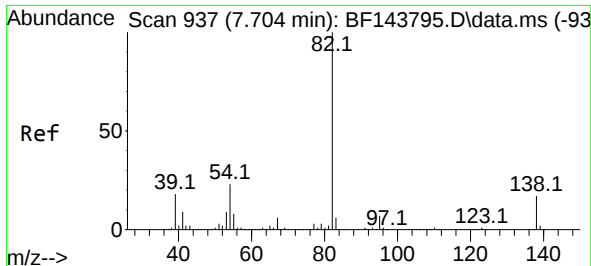


#23
Nitrobenzene-d5
Concen: 100.701 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.006 min
Lab File: BF143845.D
Acq: 30 Sep 2025 21:03

Tgt Ion: 82 Resp: 785639

Ion	Ratio	Lower	Upper
82	100		
128	45.3	33.3	49.9
54	72.0	64.2	96.4

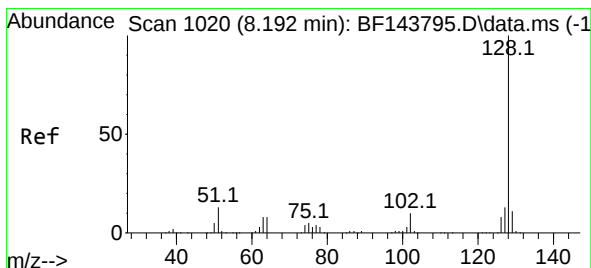
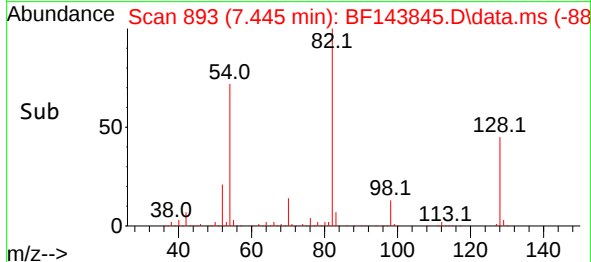
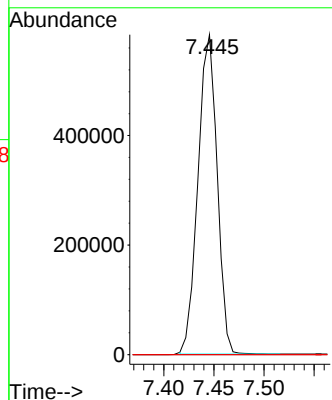
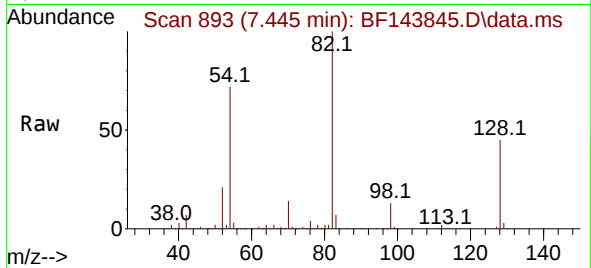




#25
Isophorone
Concen: 51.152 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.265 min
Lab File: BF143845.D
Acq: 30 Sep 2025 21:03

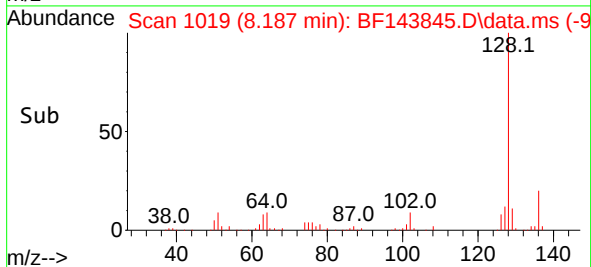
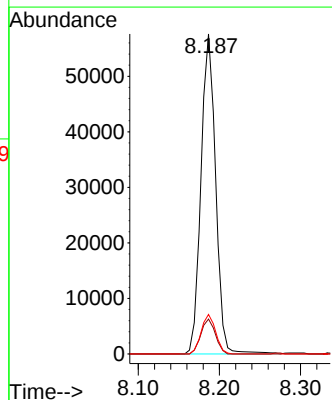
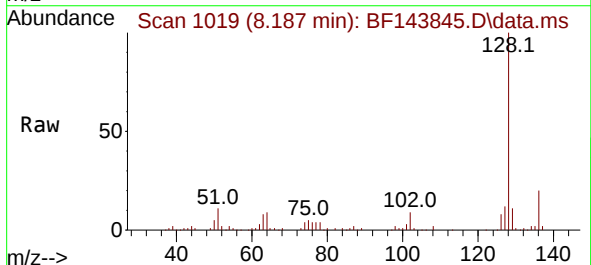
Instrument :
BNA_F
ClientSampleId :
WC-3

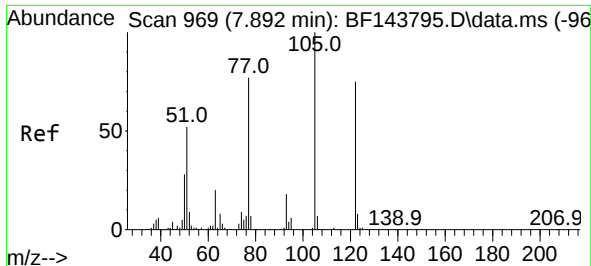
Tgt Ion: 82 Resp: 777659
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 13.7 20.5#



#31
Naphthalene
Concen: 3.168 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF143845.D
Acq: 30 Sep 2025 21:03

Tgt Ion: 128 Resp: 72419
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 12.3 10.2 15.4





#32

Benzoic acid

Concen: 3.800 ng

RT: 7.869 min Scan# 9

Delta R.T. -0.053 min

Lab File: BF143845.D

Acq: 30 Sep 2025 21:03

Instrument :

BNA_F

ClientSampleId :

WC-3

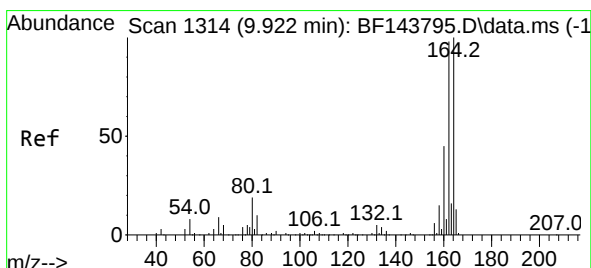
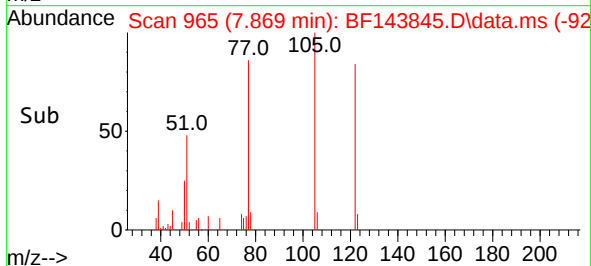
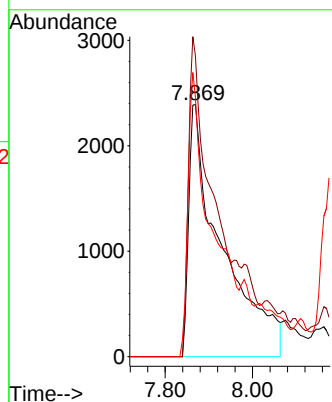
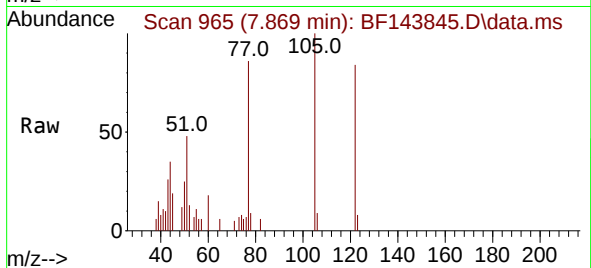
Tgt Ion:122 Resp: 12457

Ion Ratio Lower Upper

122 100

105 119.4 103.7 143.7

77 103.0 78.8 118.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.006 min

Lab File: BF143845.D

Acq: 30 Sep 2025 21:03

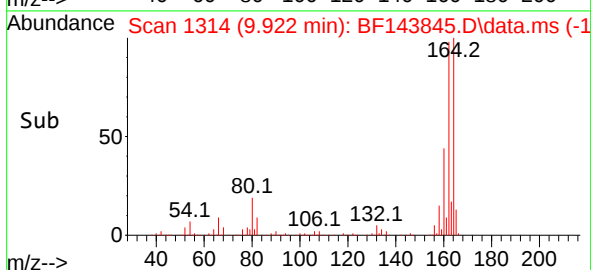
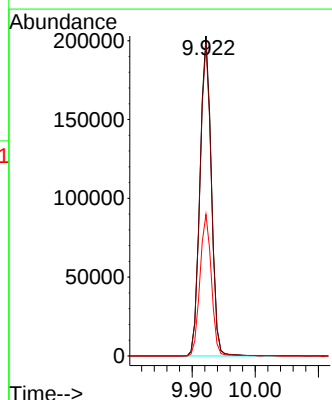
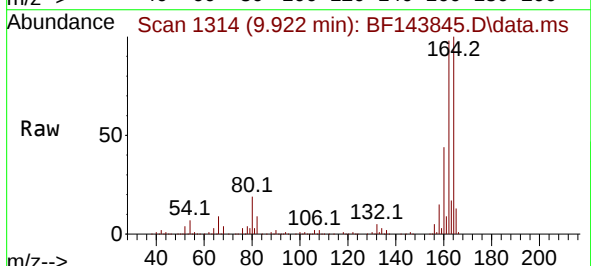
Tgt Ion:164 Resp: 253811

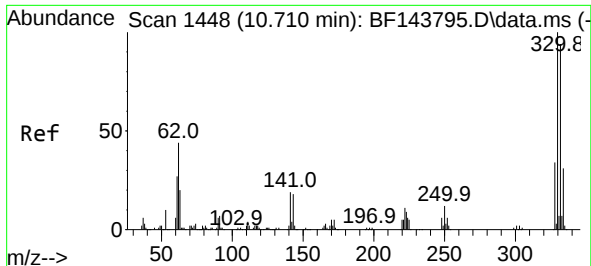
Ion Ratio Lower Upper

164 100

162 97.7 78.8 118.2

160 44.3 35.8 53.6

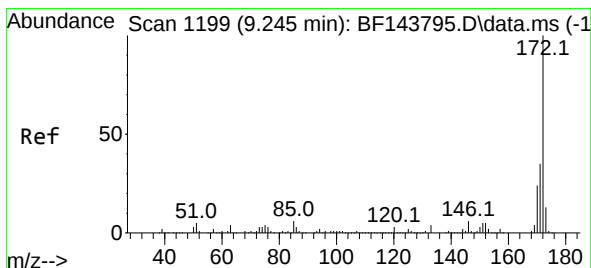
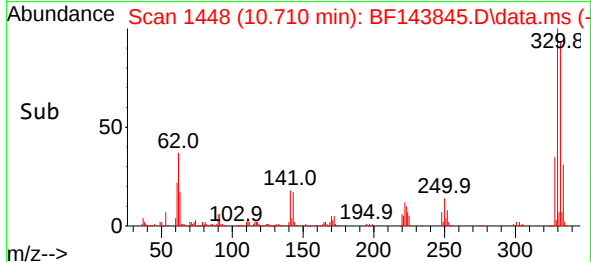
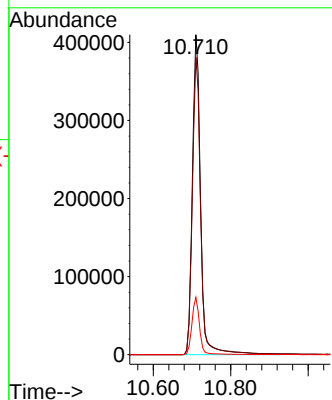
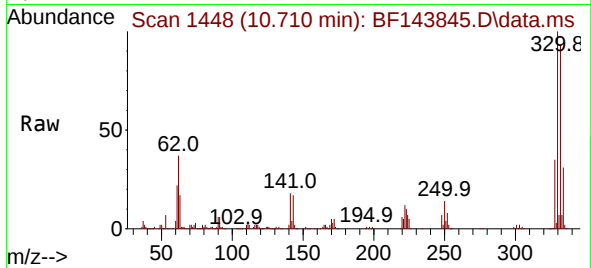




#42
2,4,6-Tribromophenol
Concen: 161.717 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF143845.D
Acq: 30 Sep 2025 21:03

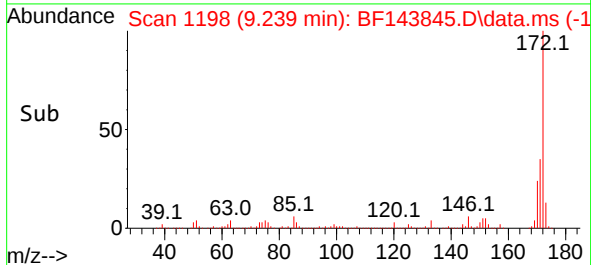
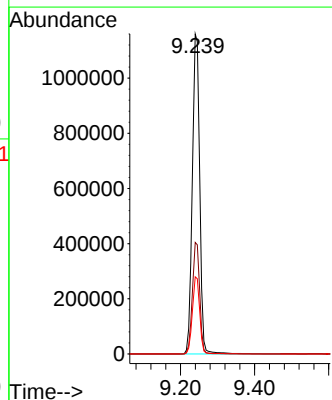
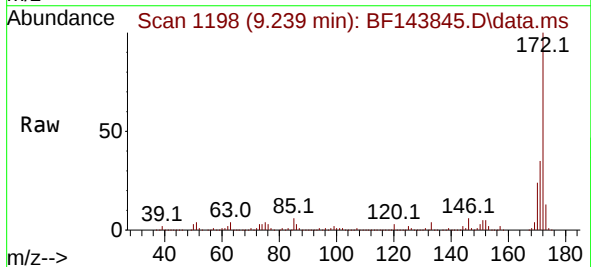
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BNA_F
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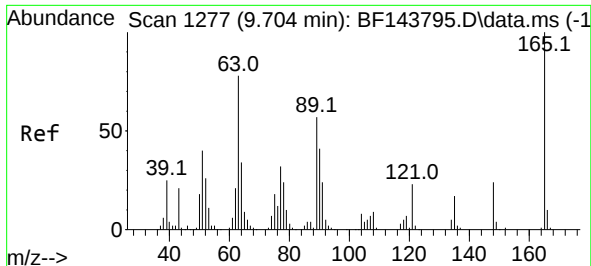
Tgt Ion:330 Resp: 607746
Ion Ratio Lower Upper
330 100
332 93.1 74.7 112.1
141 16.7 14.3 21.5



#45
2-Fluorobiphenyl
Concen: 98.882 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF143845.D
Acq: 30 Sep 2025 21:03

Tgt Ion:172 Resp: 1608295
Ion Ratio Lower Upper
172 100
171 34.8 27.9 41.9
170 24.1 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 13.161 ng

RT: 9.922 min Scan# 1314

Delta R.T. 0.218 min

Lab File: BF143845.D

Acq: 30 Sep 2025 21:03

Instrument :

BNA_F

ClientSampleId :

WC-3

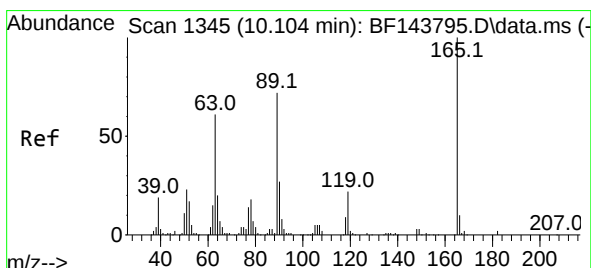
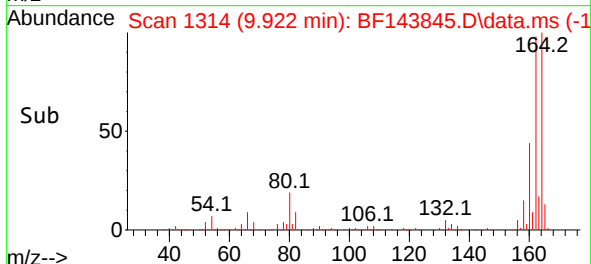
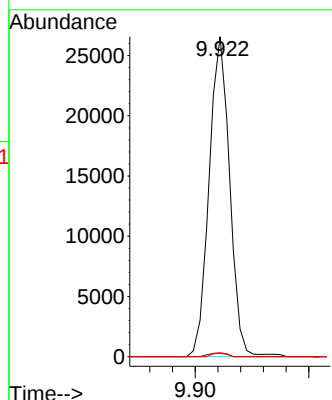
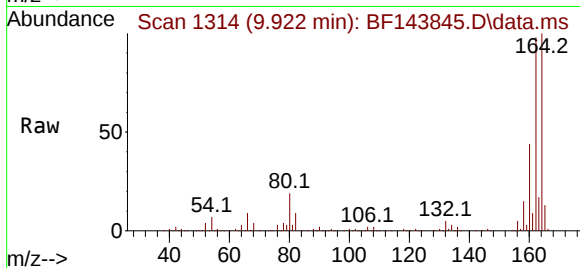
Tgt Ion:165 Resp: 33450

Ion Ratio Lower Upper

165 100

63 1.2 62.6 94.0#

89 1.0 45.2 67.8#



#57

2,4-Dinitrotoluene

Concen: 11.247 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.188 min

Lab File: BF143845.D

Acq: 30 Sep 2025 21:03

Tgt Ion:165 Resp: 33451

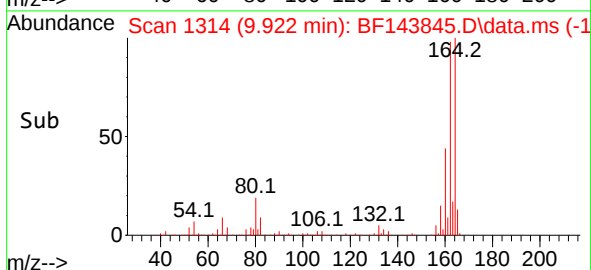
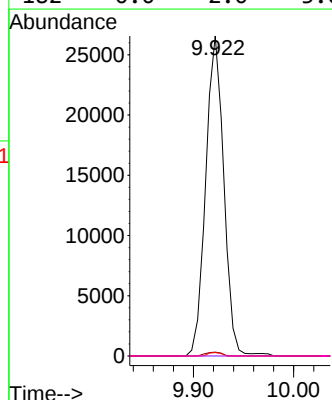
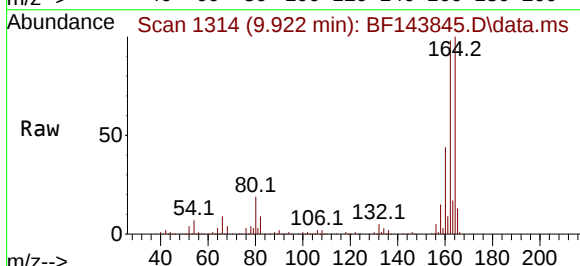
Ion Ratio Lower Upper

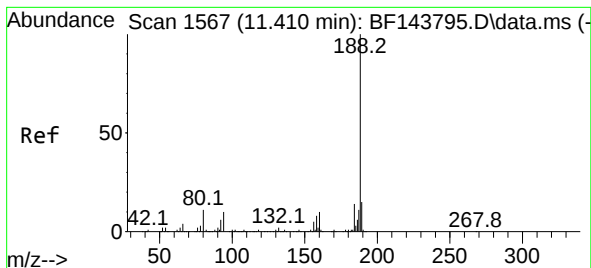
165 100

63 1.2 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: BF143845.D

Acq: 30 Sep 2025 21:03

Instrument :

BNA_F

ClientSampleId :

WC-3

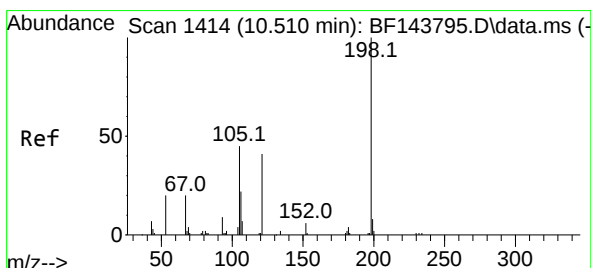
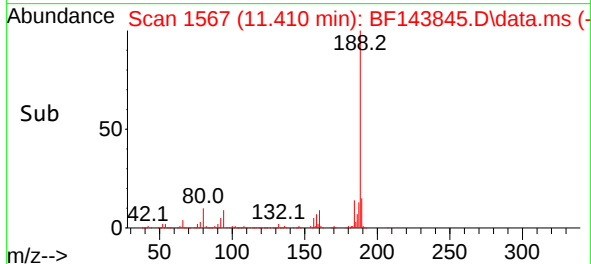
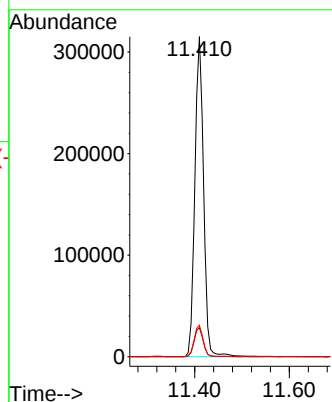
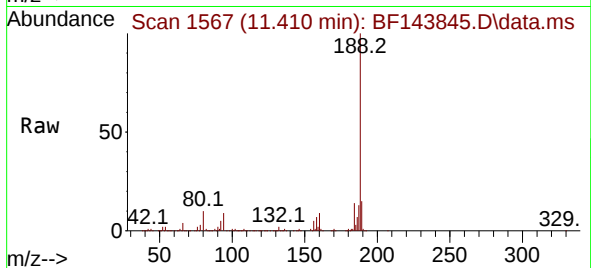
Tgt Ion:188 Resp: 402759

Ion Ratio Lower Upper

188 100

94 9.1 8.2 12.2

80 9.9 8.6 12.8



#65

4,6-Dinitro-2-methylphenol

Concen: 4.665 ng

RT: 10.710 min Scan# 1448

Delta R.T. 0.194 min

Lab File: BF143845.D

Acq: 30 Sep 2025 21:03

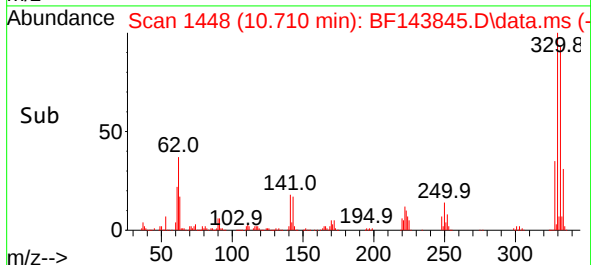
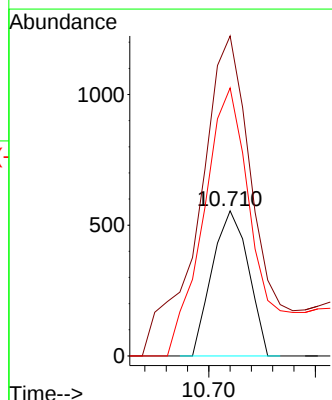
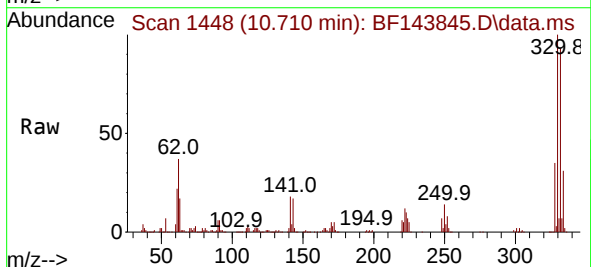
Tgt Ion:198 Resp: 655

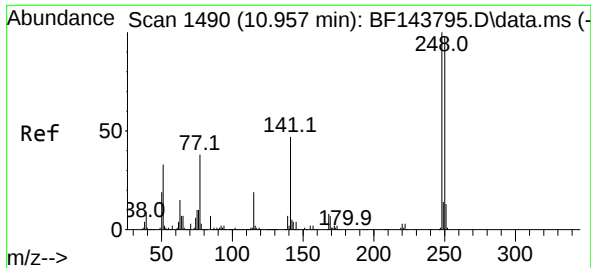
Ion Ratio Lower Upper

198 100

51 220.5 52.0 92.0#

105 184.7 27.5 67.5#

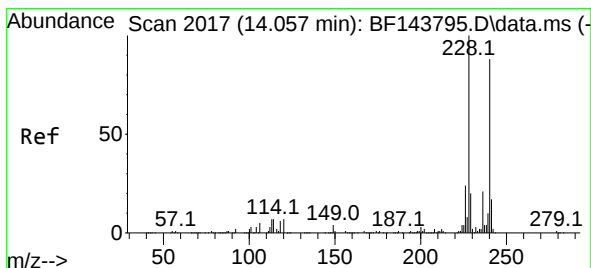
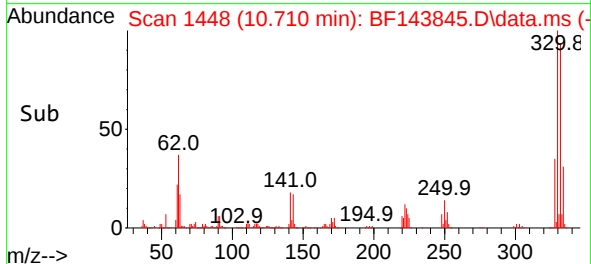
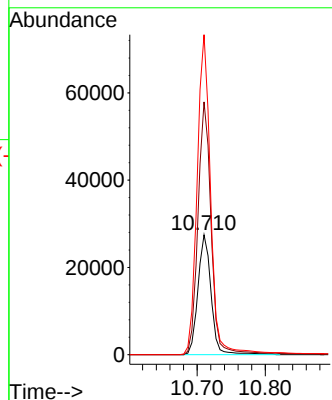
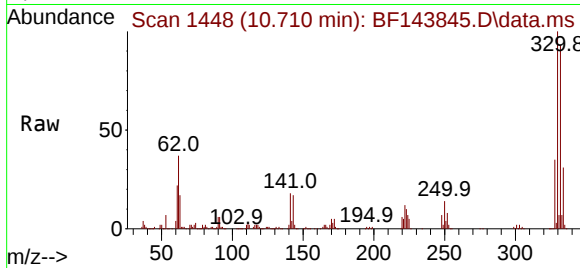




#67
4-Bromophenyl-phenylether
Concen: 5.391 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF143845.D
Acq: 30 Sep 2025 21:03

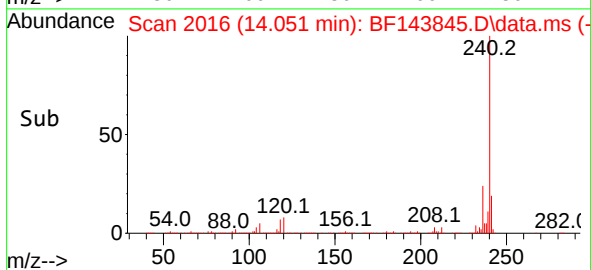
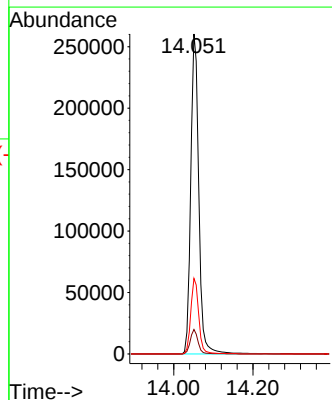
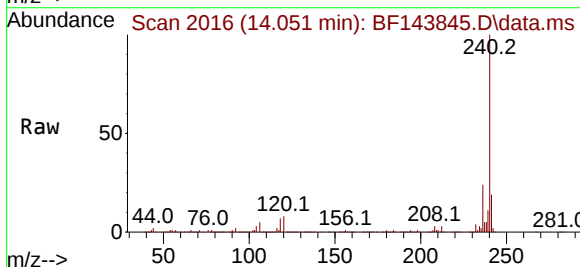
Instrument :
BNA_F
ClientSampleId :
WC-3

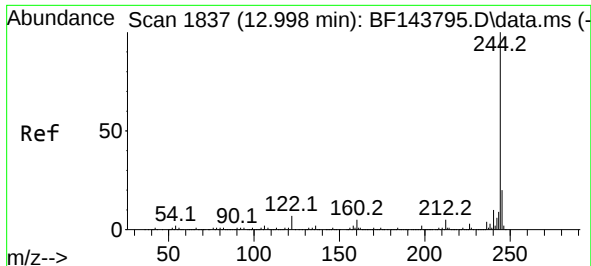
Tgt Ion:248 Resp: 36999
Ion Ratio Lower Upper
248 100
250 211.0 78.7 118.1#
141 267.2 37.9 56.9#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF143845.D
Acq: 30 Sep 2025 21:03

Tgt Ion:240 Resp: 366885
Ion Ratio Lower Upper
240 100
120 7.6 6.2 9.4
236 23.6 19.4 29.2

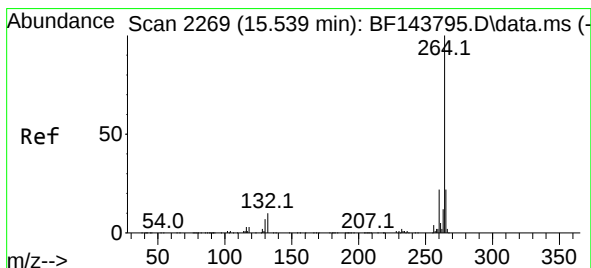
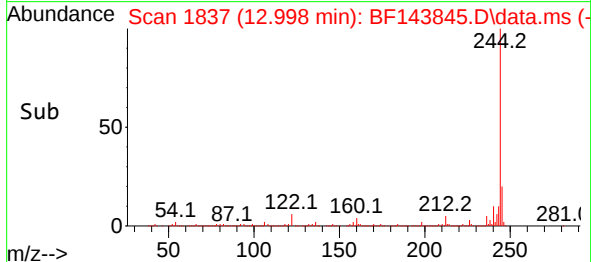
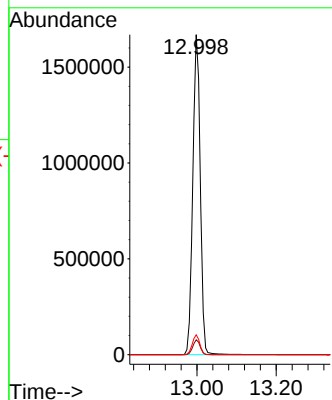
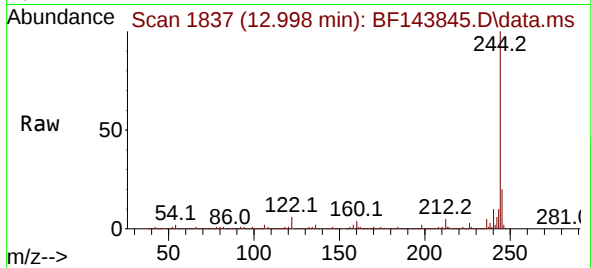




#79
 Terphenyl-d14
 Concen: 121.292 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. -0.006 min
 Lab File: BF143845.D
 Acq: 30 Sep 2025 21:03

Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Tgt Ion:244 Resp: 2188088
 Ion Ratio Lower Upper
 244 100
 212 4.6 3.9 5.9
 122 6.2 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: BF143845.D
 Acq: 30 Sep 2025 21:03

Tgt Ion:264 Resp: 540742
 Ion Ratio Lower Upper
 264 100
 260 22.7 17.9 26.9
 265 22.0 17.7 26.5

