

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
 Data File : BF143005.D
 Acq On : 07 Jul 2025 13:16
 Operator : RC/JU
 Sample : Q2493-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-11

Quant Time: Jul 07 13:37:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

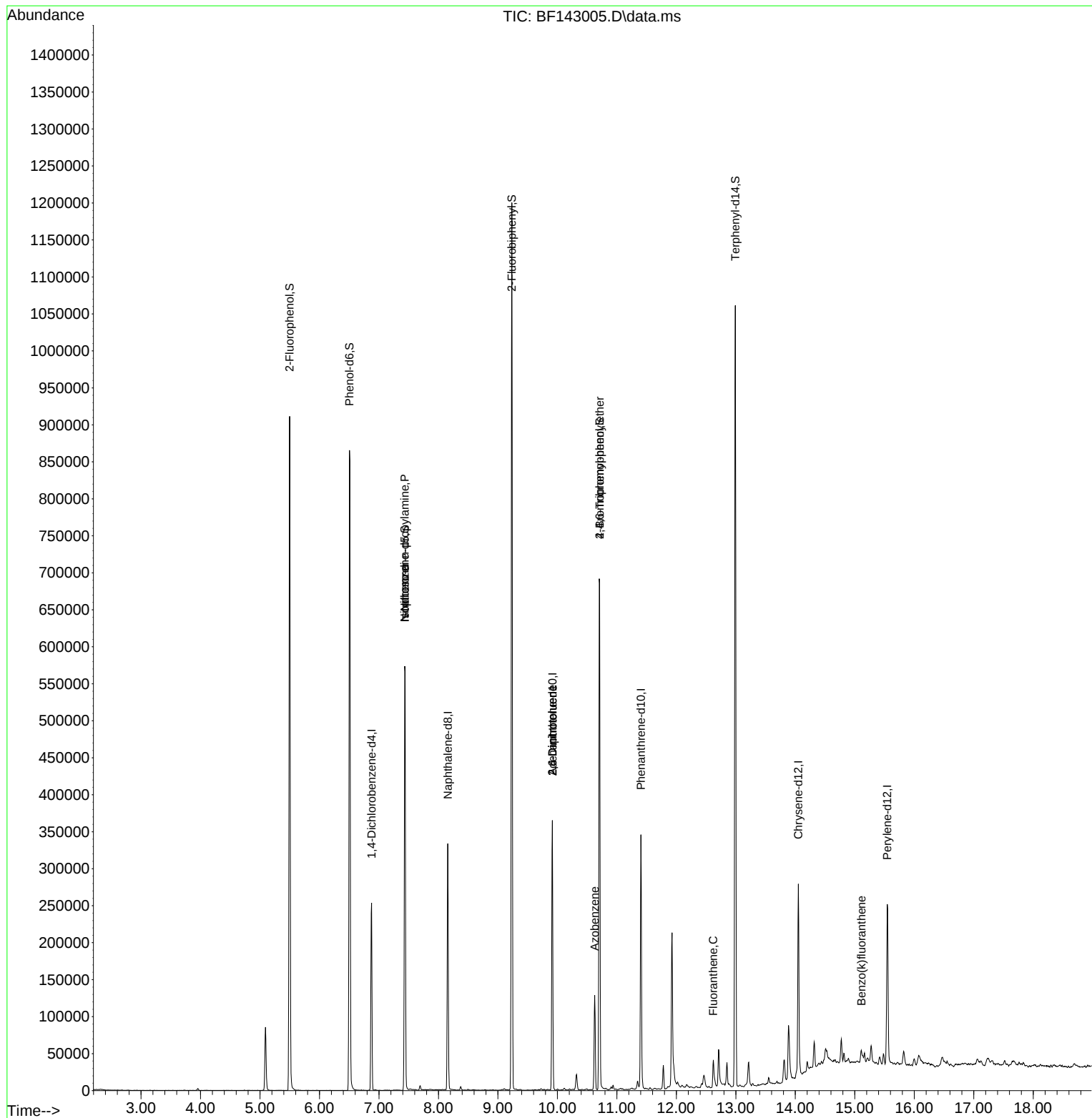
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	56427	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	214066	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	109898	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	177997	20.000	ng	0.00
76) Chrysene-d12	14.051	240	120131	20.000	ng	0.00
86) Perylene-d12	15.545	264	123536	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	349527	103.131	ng	0.00
7) Phenol-d6	6.504	99	421839	105.498	ng	0.00
23) Nitrobenzene-d5	7.434	82	255766	65.536	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	126534	111.885	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	534344	63.873	ng	-0.01
79) Terphenyl-d14	12.992	244	512616	58.959	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	34034	14.635	ng	# 75
25) Isophorone	7.434	82	254541	40.658	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	14191	9.084	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	14191	6.839	ng	# 26
63) Azobenzene	10.628	77	29930	4.801	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	8122	4.009	ng	# 1
75) Fluoranthene	12.622	202	19455	2.126	ng	99
89) Benzo(k)fluoranthene	15.110	252	14273	2.134	ng	# 90

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

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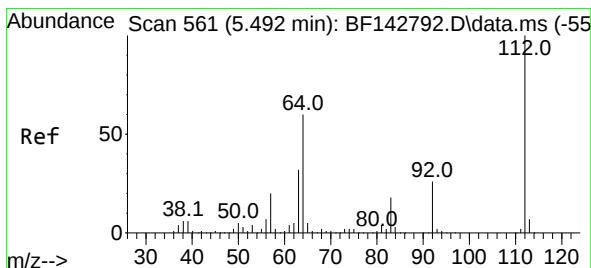
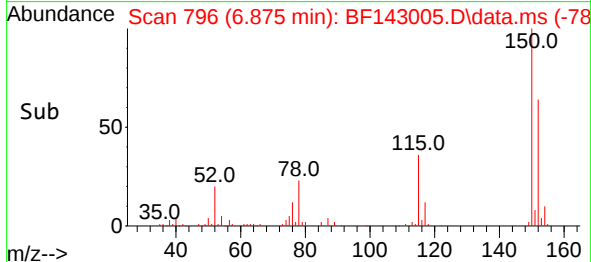
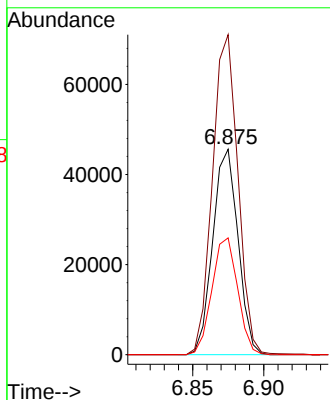
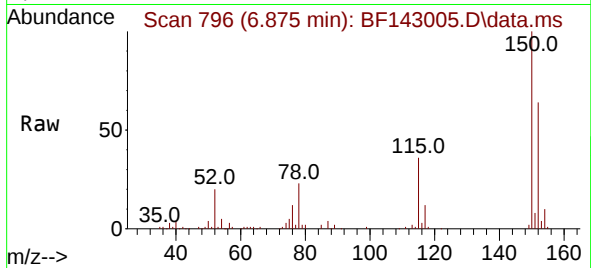




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF143005.D
 Acq: 07 Jul 2025 13:16

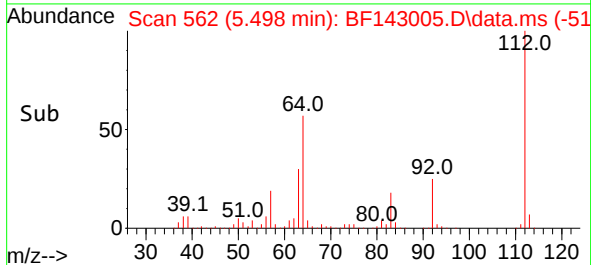
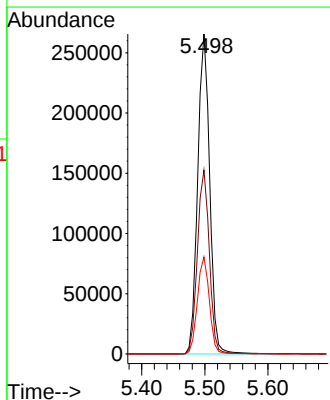
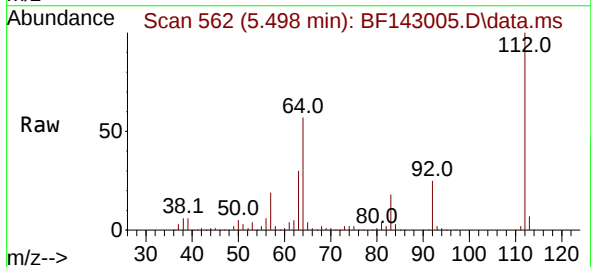
Instrument :
 BNA_F
 ClientSampleId :
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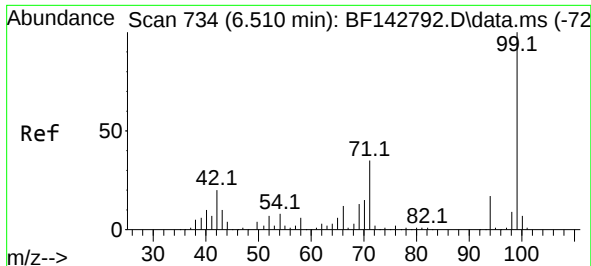
Tgt Ion:152 Resp: 56427
 Ion Ratio Lower Upper
 152 100
 150 155.8 127.2 190.8
 115 56.8 46.6 69.8



#5
 2-Fluorophenol
 Concen: 103.131 ng
 RT: 5.498 min Scan# 562
 Delta R.T. 0.006 min
 Lab File: BF143005.D
 Acq: 07 Jul 2025 13:16

Tgt Ion:112 Resp: 349527
 Ion Ratio Lower Upper
 112 100
 64 57.5 48.2 72.2
 63 30.3 25.7 38.5

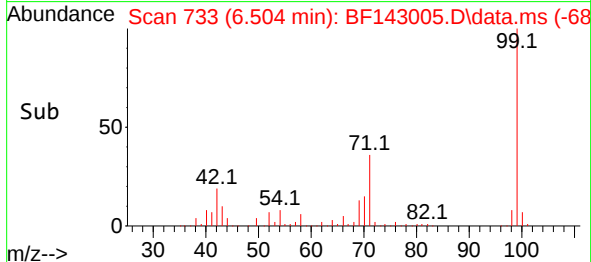
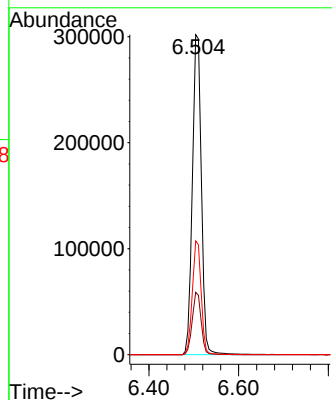
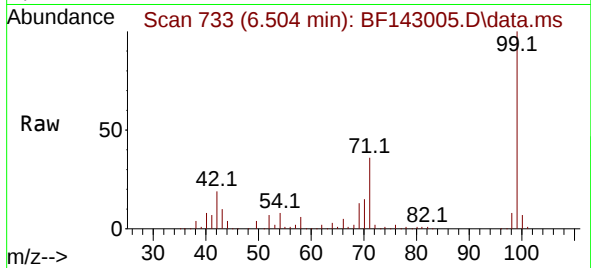




#7
Phenol-d6
Concen: 105.498 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143005.D
Acq: 07 Jul 2025 13:16

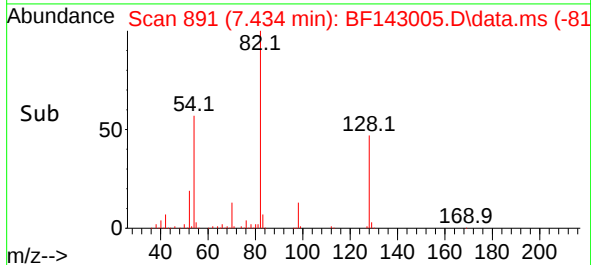
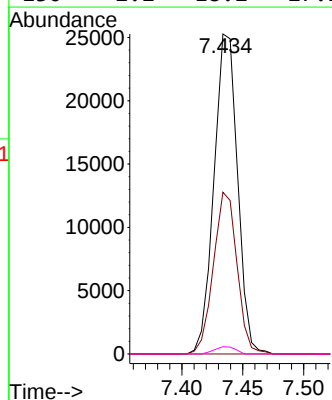
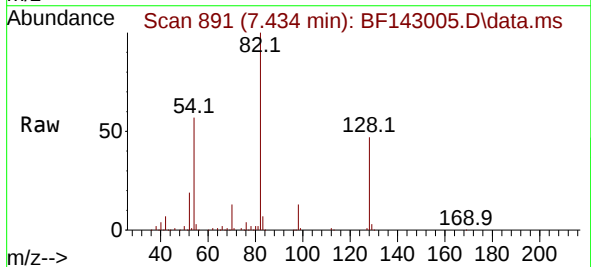
Instrument :
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ClientSampleId :
WC-11

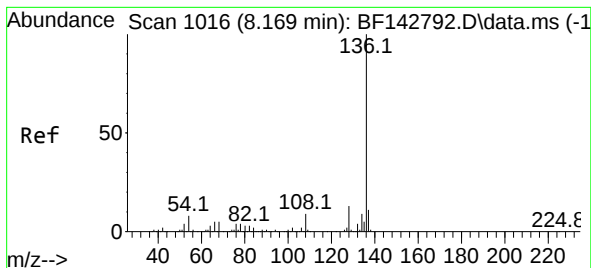
Tgt Ion: 99 Resp: 421839
Ion Ratio Lower Upper
99 100
42 19.5 15.9 23.9
71 35.6 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 14.635 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF143005.D
Acq: 07 Jul 2025 13:16

Tgt Ion: 70 Resp: 34034
Ion Ratio Lower Upper
70 100
42 50.6 52.1 78.1#
101 0.0 8.2 12.2#
130 2.2 18.2 27.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1014

Delta R.T. -0.012 min

Lab File: BF143005.D

Acq: 07 Jul 2025 13:16

Instrument :

BNA_F

ClientSampleId :

WC-11

Tgt Ion:136 Resp: 214066

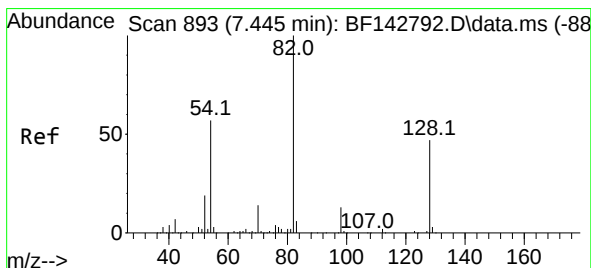
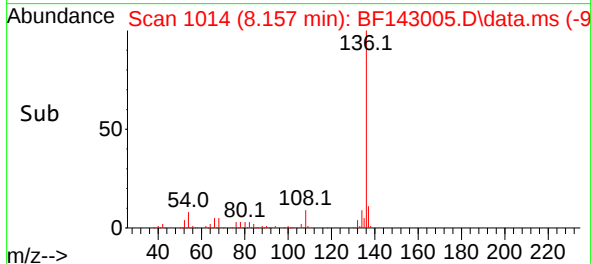
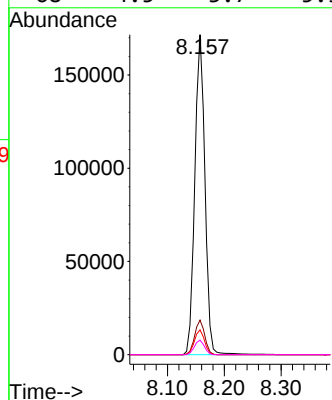
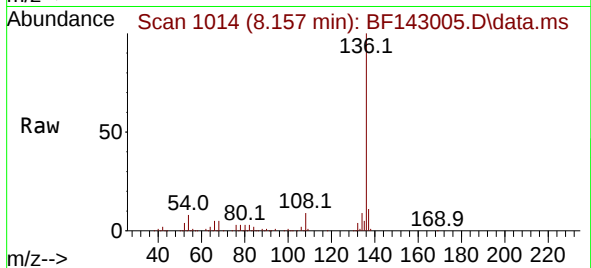
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 7.8 6.3 9.5

68 4.5 3.7 5.5



#23

Nitrobenzene-d5

Concen: 65.536 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.011 min

Lab File: BF143005.D

Acq: 07 Jul 2025 13:16

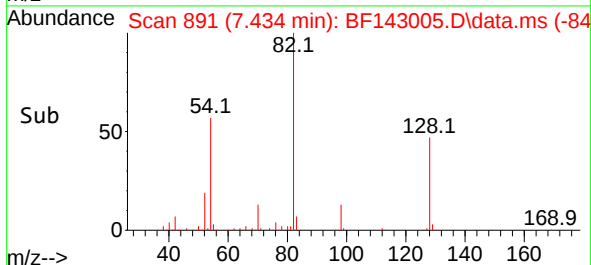
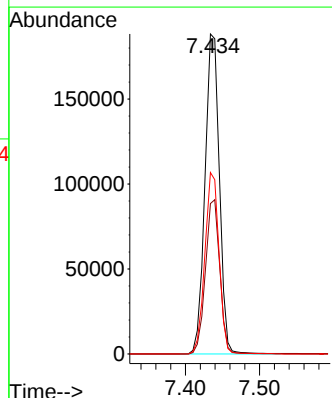
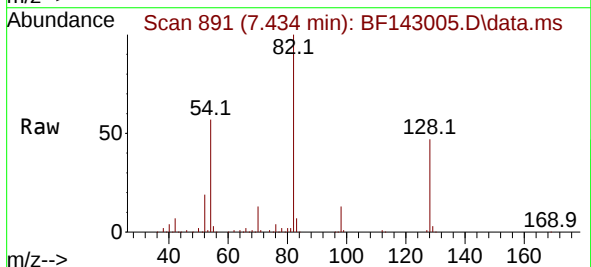
Tgt Ion: 82 Resp: 255766

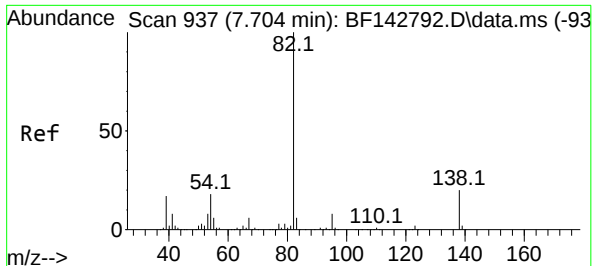
Ion Ratio Lower Upper

82 100

128 47.0 37.7 56.5

54 56.7 45.7 68.5

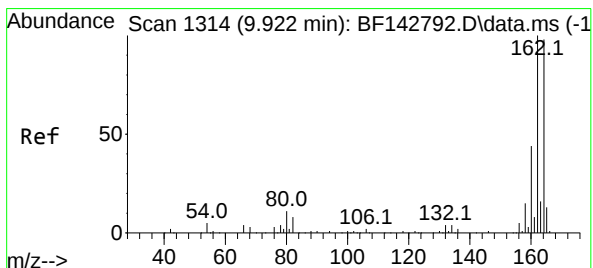
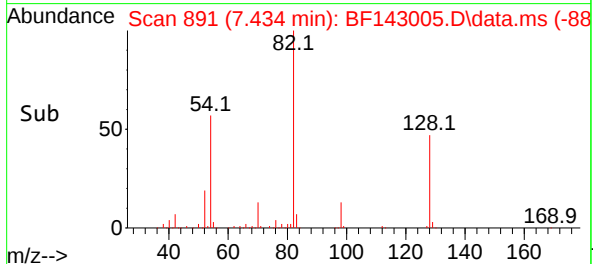
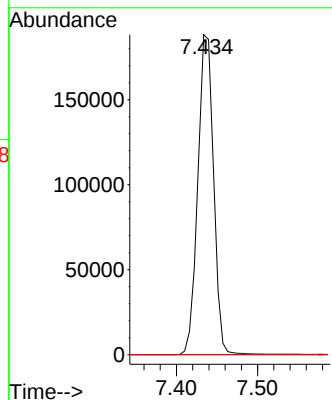
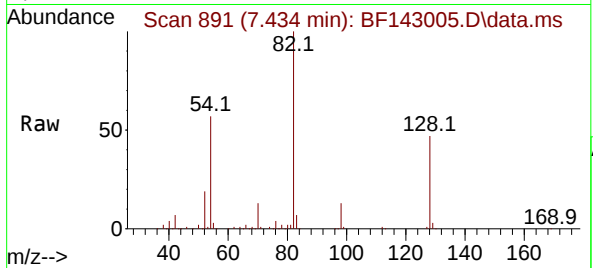




#25
Isophorone
Concen: 40.658 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.270 min
Lab File: BF143005.D
Acq: 07 Jul 2025 13:16

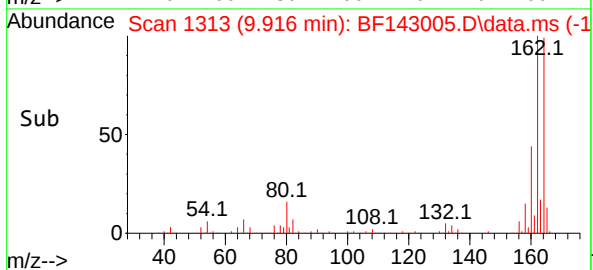
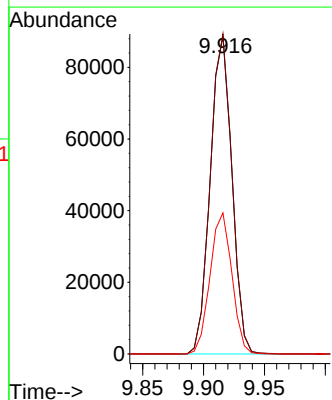
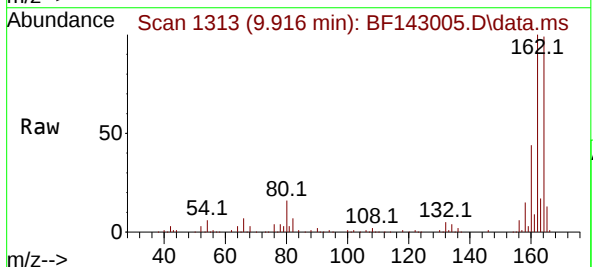
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ClientSampleId :
WC-11

Tgt Ion: 82 Resp: 254541
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF143005.D
Acq: 07 Jul 2025 13:16

Tgt Ion: 164 Resp: 109898
Ion Ratio Lower Upper
164 100
162 100.8 81.8 122.8
160 44.4 36.0 54.0

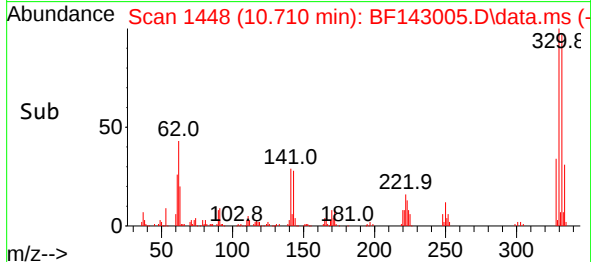
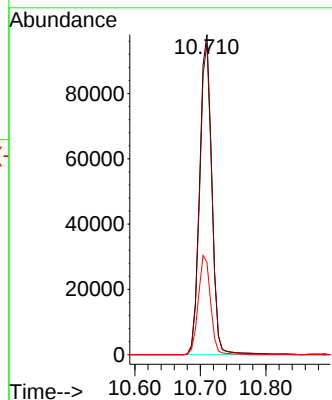
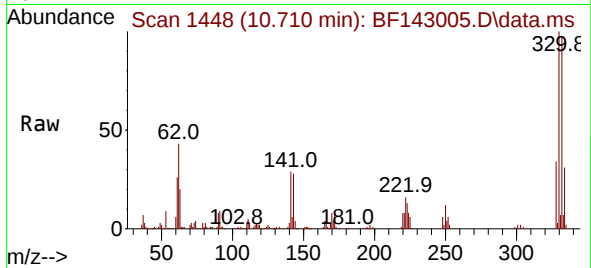




#42
2,4,6-Tribromophenol
Concen: 111.885 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143005.D
Acq: 07 Jul 2025 13:16

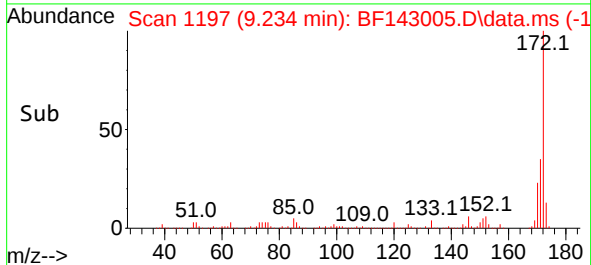
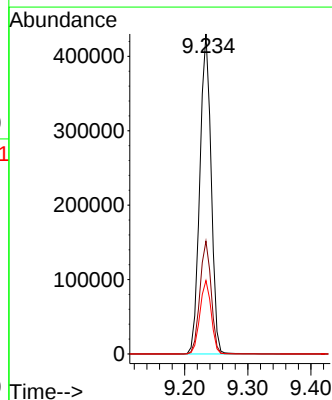
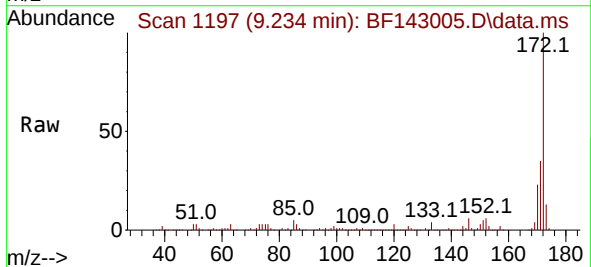
Instrument :
BNA_F
ClientSampleId :
WC-11

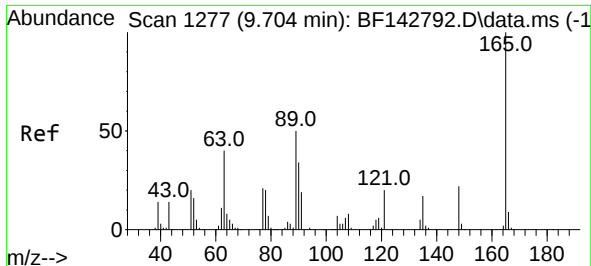
Tgt Ion:330 Resp: 126534
Ion Ratio Lower Upper
330 100
332 96.8 75.0 112.6
141 31.3 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 63.873 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF143005.D
Acq: 07 Jul 2025 13:16

Tgt Ion:172 Resp: 534344
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.4
170 23.0 18.5 27.7

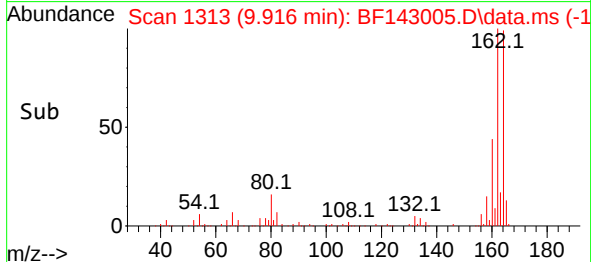
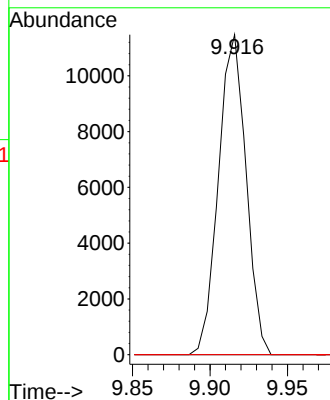
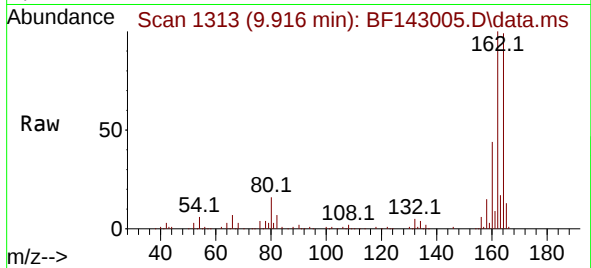




#51
2,6-Dinitrotoluene
Concen: 9.084 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF143005.D
Acq: 07 Jul 2025 13:16

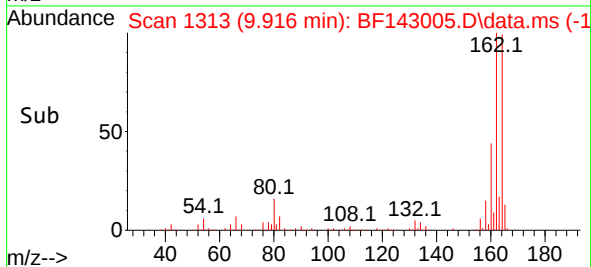
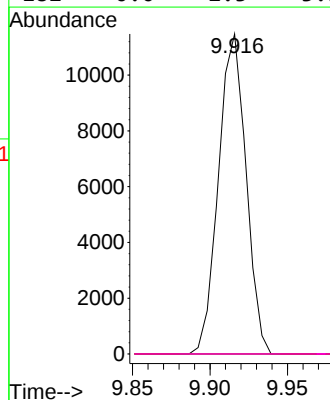
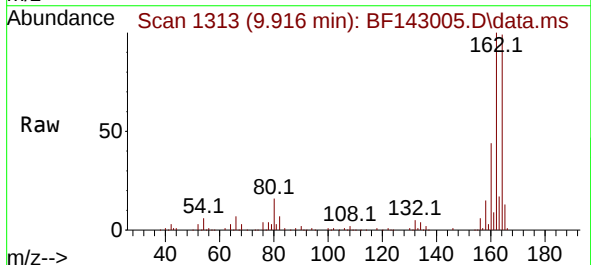
Instrument :
BNA_F
ClientSampleId :
WC-11

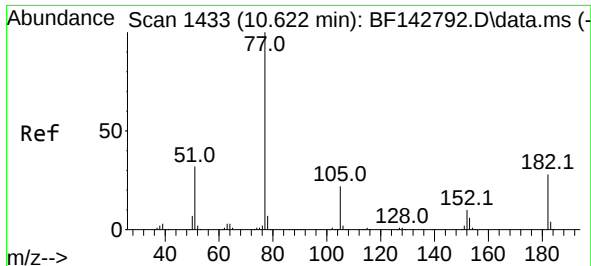
Tgt Ion:165 Resp: 14191
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.839 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF143005.D
Acq: 07 Jul 2025 13:16

Tgt Ion:165 Resp: 14191
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#

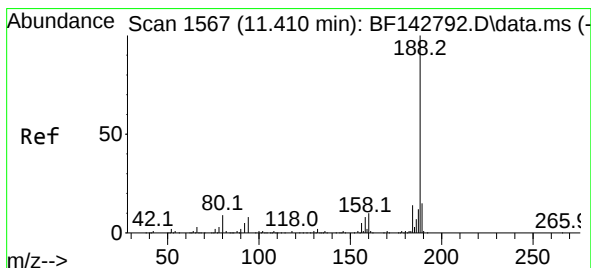
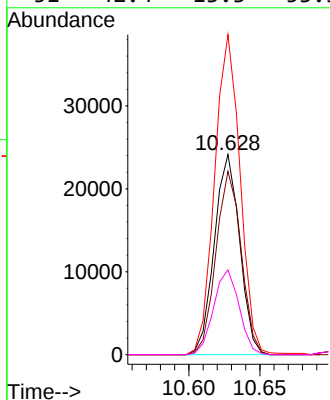
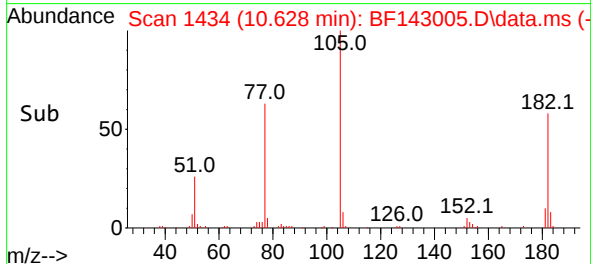
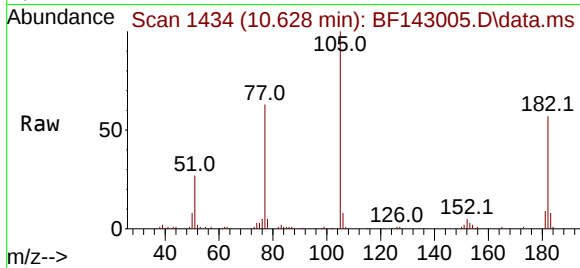




#63
Azobenzene
Concen: 4.801 ng
RT: 10.628 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF143005.D
Acq: 07 Jul 2025 13:16

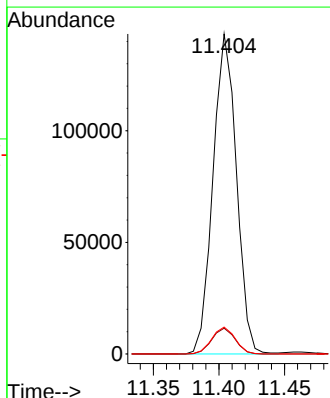
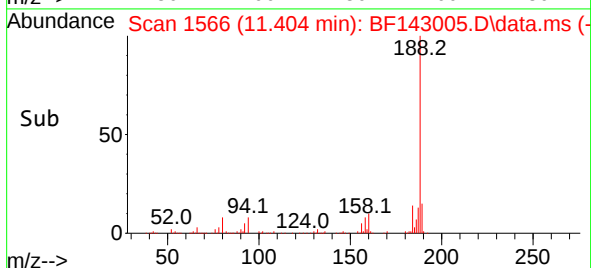
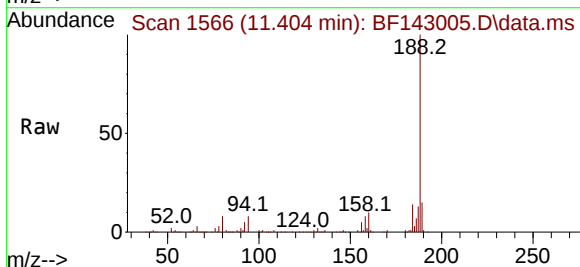
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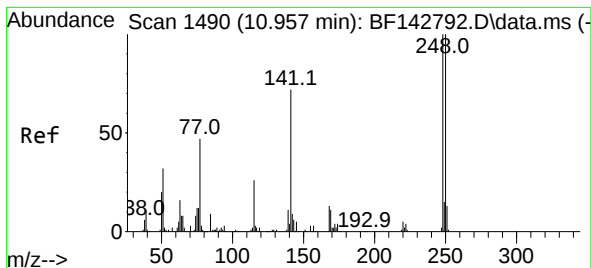
Tgt Ion: 77 Resp: 29930
Ion Ratio Lower Upper
77 100
182 91.6 7.7 47.7#
105 159.9 1.9 41.9#
51 42.4 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF143005.D
Acq: 07 Jul 2025 13:16

Tgt Ion: 188 Resp: 177997
Ion Ratio Lower Upper
188 100
94 8.0 6.7 10.1
80 8.4 6.9 10.3

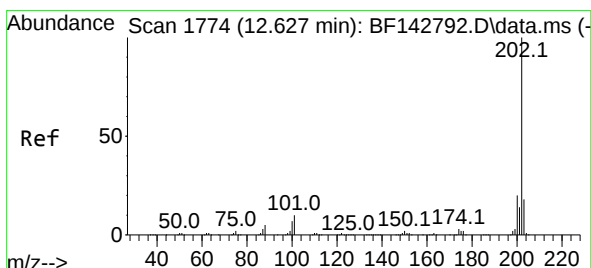
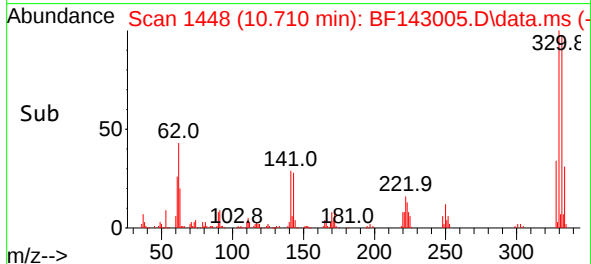
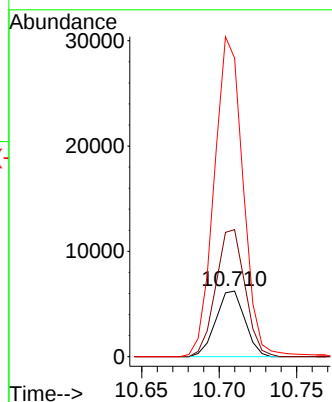
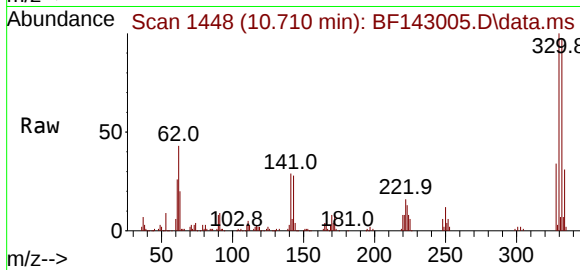




#67
4-Bromophenyl-phenylether
Concen: 4.009 ng
RT: 10.710 min Scan# 1490
Delta R.T. -0.247 min
Lab File: BF143005.D
Acq: 07 Jul 2025 13:16

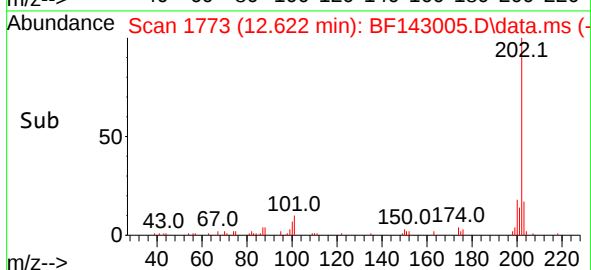
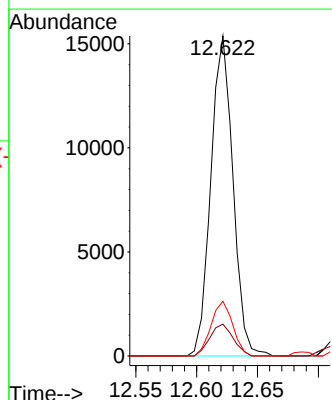
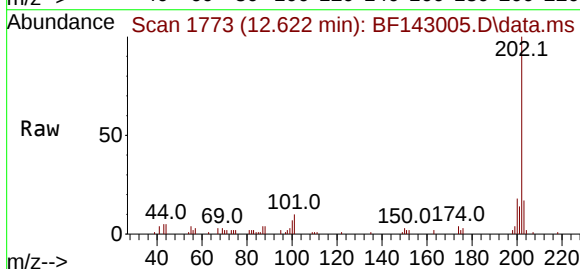
Instrument :
BNA_F
ClientSampleId :
WC-11

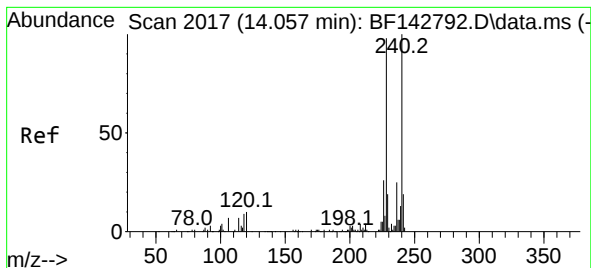
Tgt Ion:248 Resp: 8122
Ion Ratio Lower Upper
248 100
250 193.7 79.8 119.8#
141 455.3 57.8 86.6#



#75
Fluoranthene
Concen: 2.126 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF143005.D
Acq: 07 Jul 2025 13:16

Tgt Ion:202 Resp: 19455
Ion Ratio Lower Upper
202 100
101 9.9 0.0 29.7
203 17.1 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143005.D

Acq: 07 Jul 2025 13:16

Instrument :

BNA_F

ClientSampleId :

WC-11

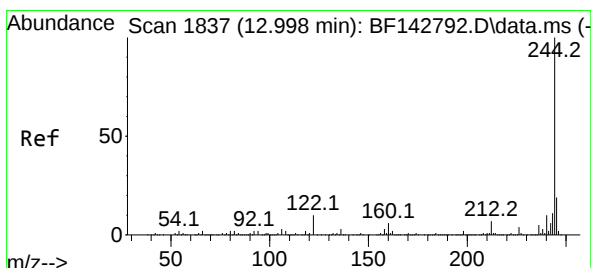
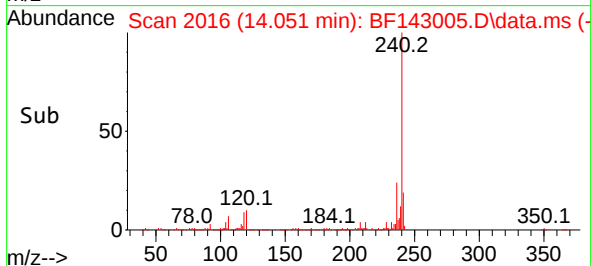
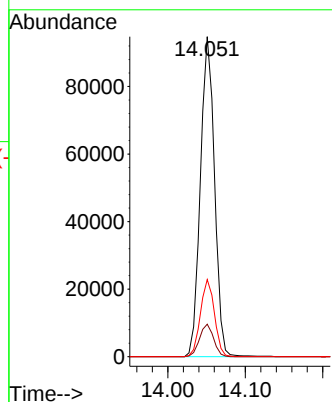
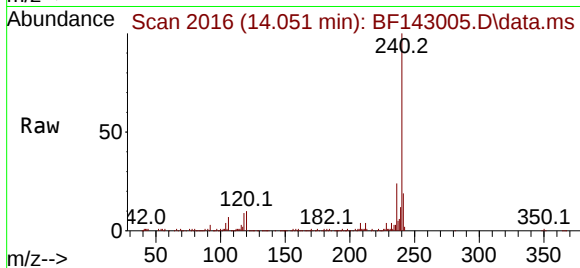
Tgt Ion:240 Resp: 120131

Ion Ratio Lower Upper

240 100

120 10.1 8.2 12.2

236 24.1 19.8 29.8



#79

Terphenyl-d14

Concen: 58.959 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF143005.D

Acq: 07 Jul 2025 13:16

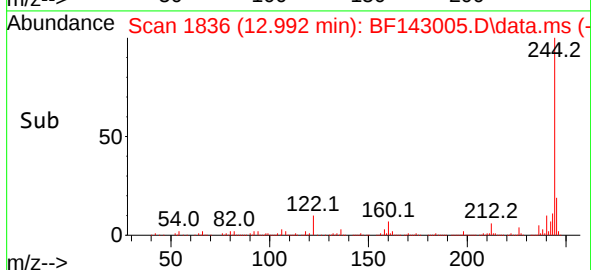
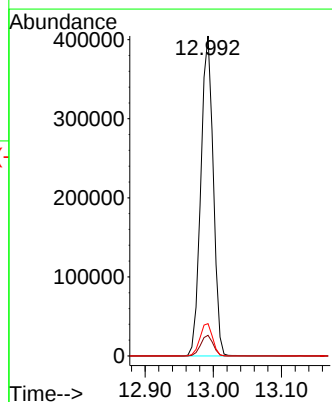
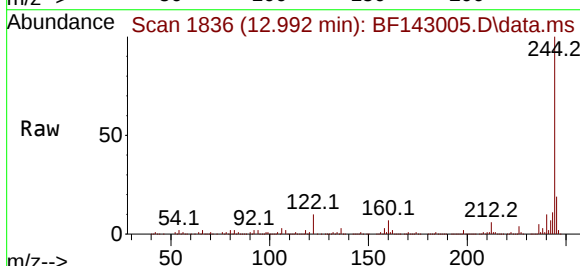
Tgt Ion:244 Resp: 512616

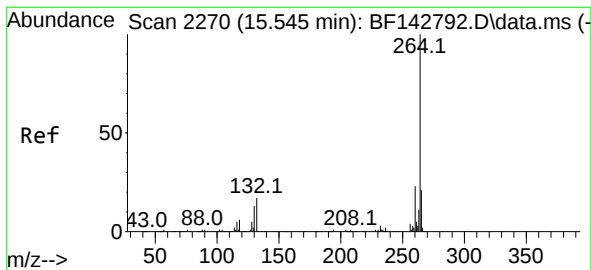
Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 10.1 8.2 12.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF143005.D

Acq: 07 Jul 2025 13:16

Instrument :

BNA_F

ClientSampleId :

WC-11

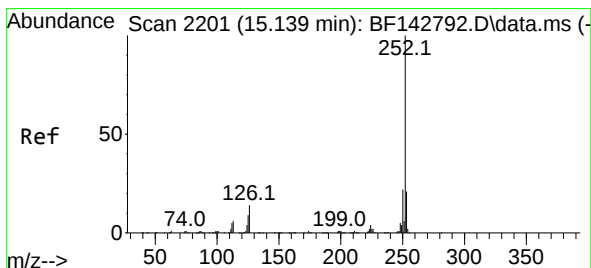
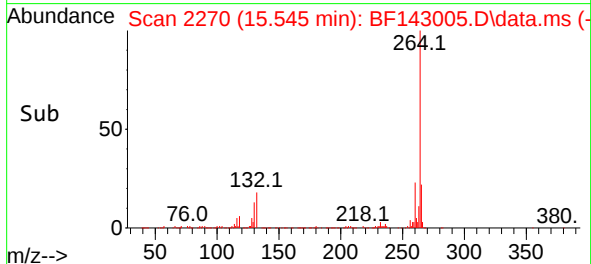
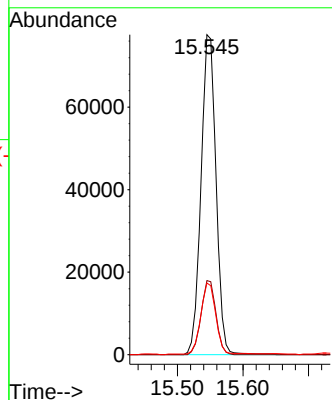
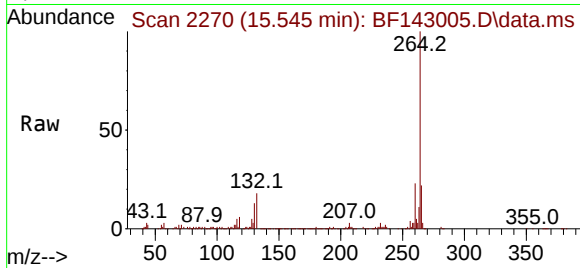
Tgt Ion:264 Resp: 123536

Ion Ratio Lower Upper

264 100

260 23.2 18.1 27.1

265 22.4 16.6 25.0



#89

Benzo(k)fluoranthene

Concen: 2.134 ng

RT: 15.110 min Scan# 2196

Delta R.T. -0.029 min

Lab File: BF143005.D

Acq: 07 Jul 2025 13:16

Tgt Ion:252 Resp: 14273

Ion Ratio Lower Upper

252 100

253 24.8 17.2 25.8

125 15.7 7.4 11.2#

