

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
 Data File : BF143045.D
 Acq On : 08 Jul 2025 21:12
 Operator : RC/JU
 Sample : Q2514-10
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-90

Quant Time: Jul 09 01:42:24 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)

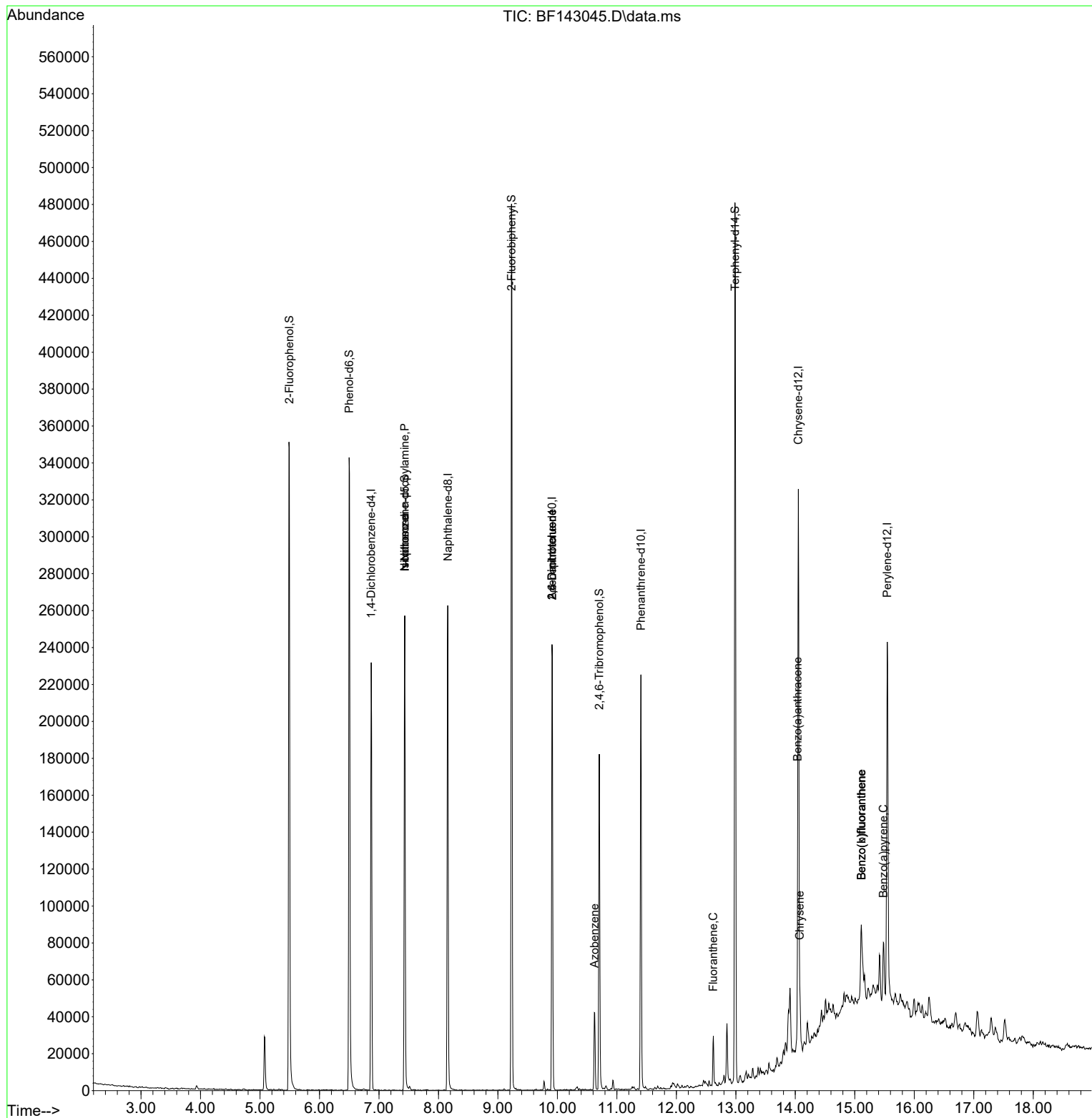
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	51734	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	174400	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	74685	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	119276	20.000	ng	0.00
76) Chrysene-d12	14.051	240	133812	20.000	ng	0.00
86) Perylene-d12	15.545	264	110430	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	151318	48.698	ng	0.00
7) Phenol-d6	6.498	99	172557	47.070	ng	-0.01
23) Nitrobenzene-d5	7.434	82	109513	34.443	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	32081	41.742	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	217850	38.319	ng	-0.02
79) Terphenyl-d14	12.986	244	229817	23.730	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	14594	6.845	ng	# 74
25) Isophorone	7.434	82	109512	21.471	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	10088	9.502	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	10088	7.153	ng	# 26
63) Azobenzene	10.622	77	10520	2.483	ng	# 1
75) Fluoranthene	12.622	202	15998	2.609	ng	100
81) Benzo(a)anthracene	14.039	228	18292	2.026	ng	95
83) Chrysene	14.074	228	16427	2.039	ng	94
88) Benzo(b)fluoranthene	15.110	252	35213	5.511	ng	# 92
89) Benzo(k)fluoranthene	15.110	252	35213	5.890	ng	# 92
90) Benzo(a)pyrene	15.480	252	16820	2.725	ng	# 94

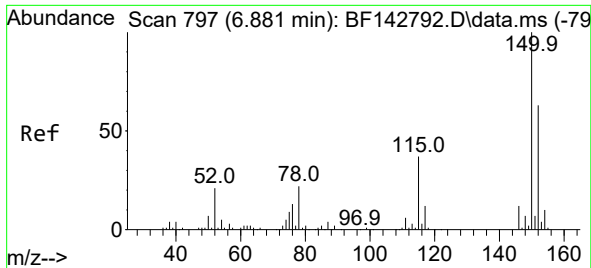
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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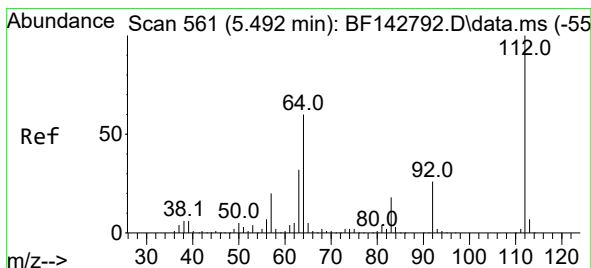
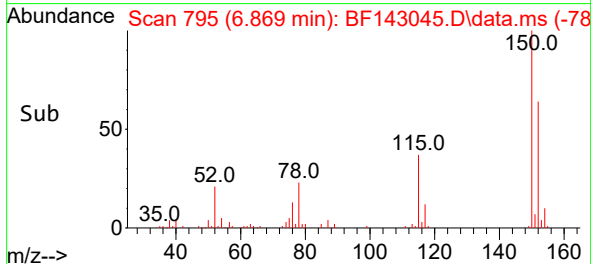
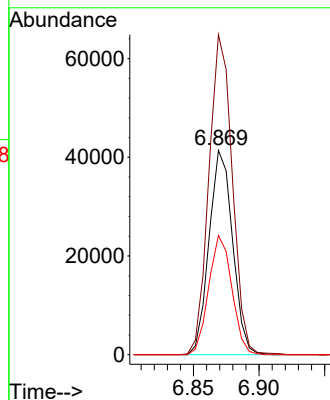
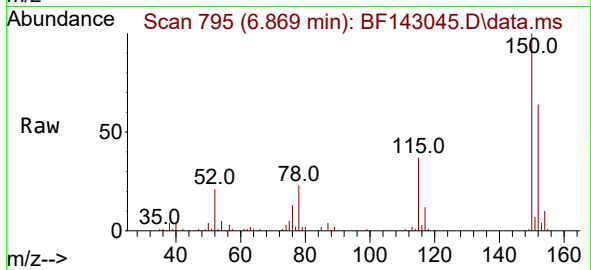




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 797
Delta R.T. -0.012 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

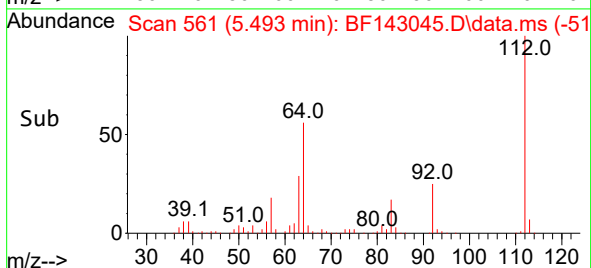
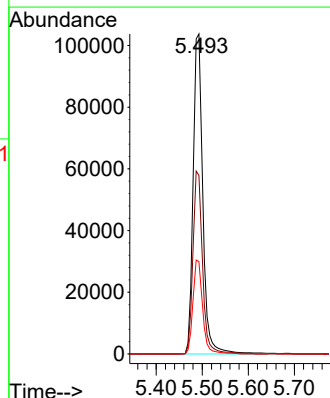
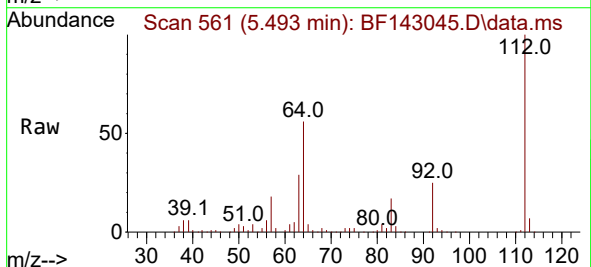
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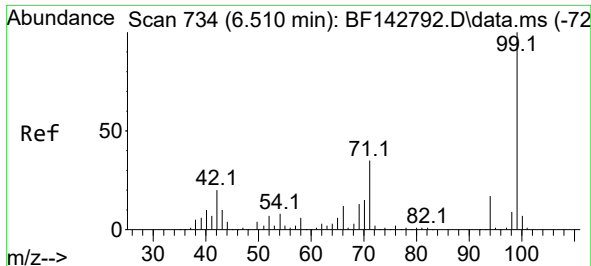
Tgt Ion:152 Resp: 51734
Ion Ratio Lower Upper
152 100
150 156.6 127.2 190.8
115 58.3 46.6 69.8



#5
2-Fluorophenol
Concen: 48.698 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

Tgt Ion:112 Resp: 151318
Ion Ratio Lower Upper
112 100
64 55.8 48.2 72.2
63 28.9 25.7 38.5

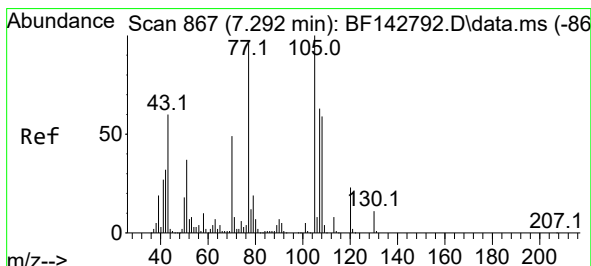
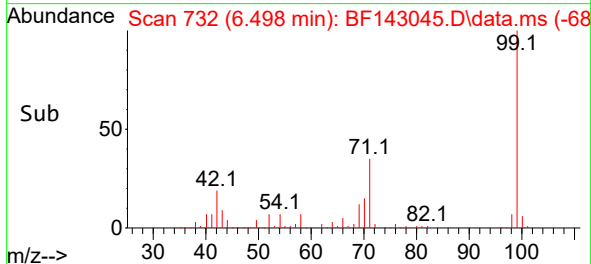
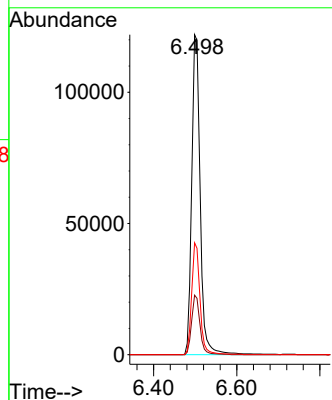
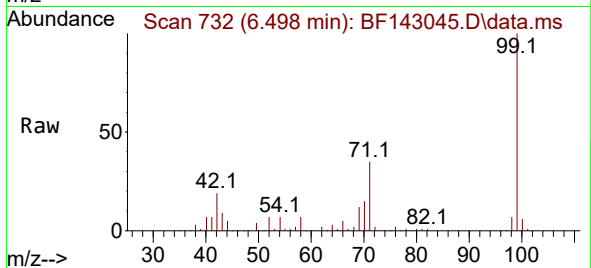




#7
Phenol-d6
Concen: 47.070 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

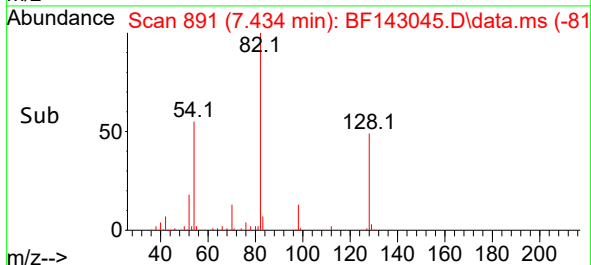
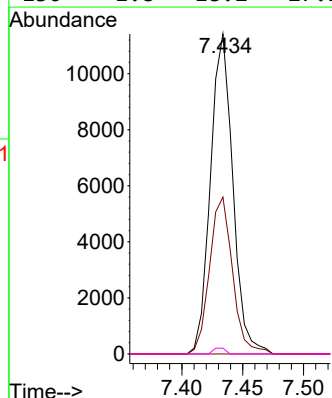
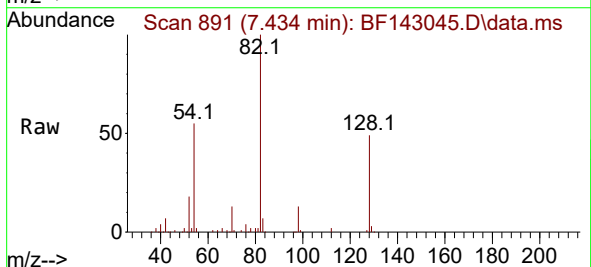
Instrument :
BNA_F
ClientSampleId :
TP-90

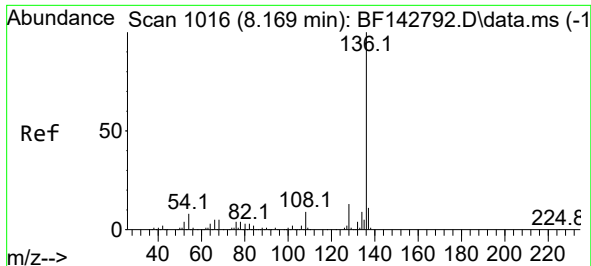
Tgt Ion: 99 Resp: 172557
Ion Ratio Lower Upper
99 100
42 18.6 15.9 23.9
71 34.9 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 6.845 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

Tgt Ion: 70 Resp: 14594
Ion Ratio Lower Upper
70 100
42 49.0 52.1 78.1#
101 0.0 8.2 12.2#
130 1.8 18.2 27.2#

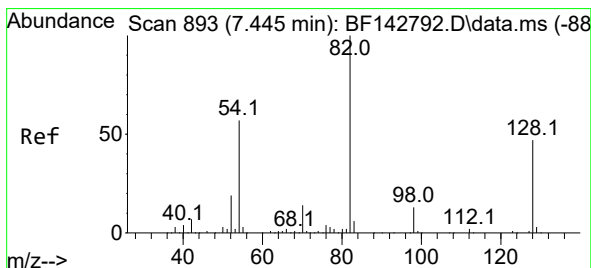
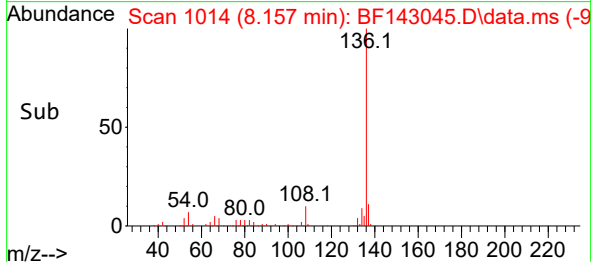
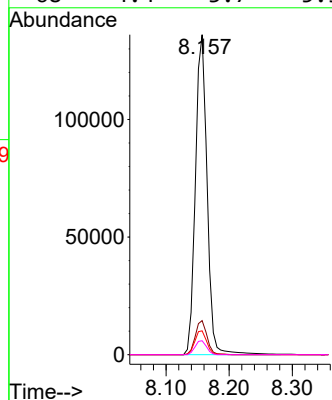
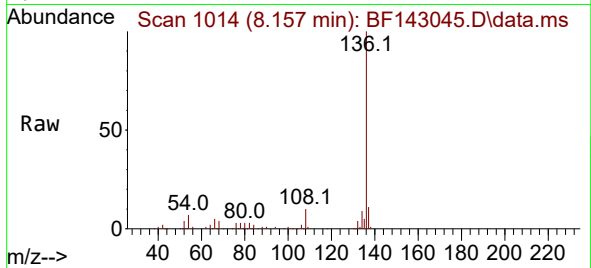




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

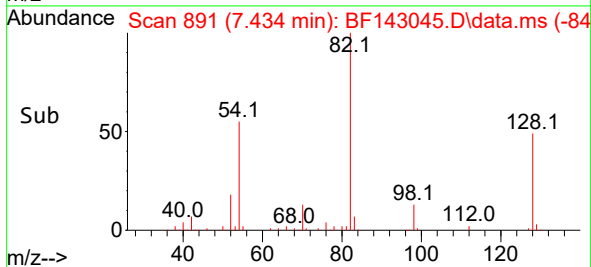
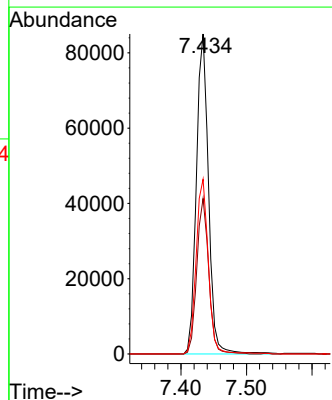
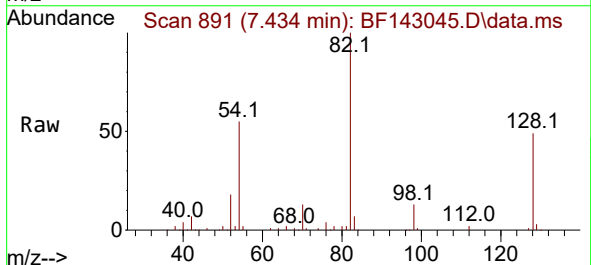
Instrument :
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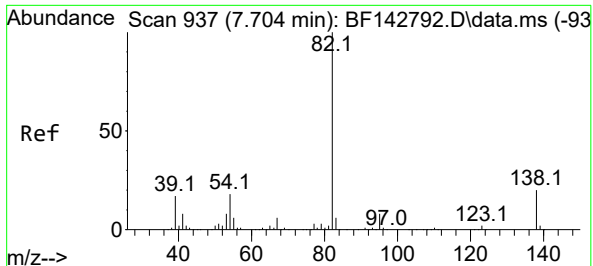
Tgt Ion:136 Resp: 174400
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 7.5 6.3 9.5
68 4.4 3.7 5.5



#23
Nitrobenzene-d5
Concen: 34.443 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

Tgt Ion: 82 Resp: 109513
Ion Ratio Lower Upper
82 100
128 48.6 37.7 56.5
54 54.6 45.7 68.5

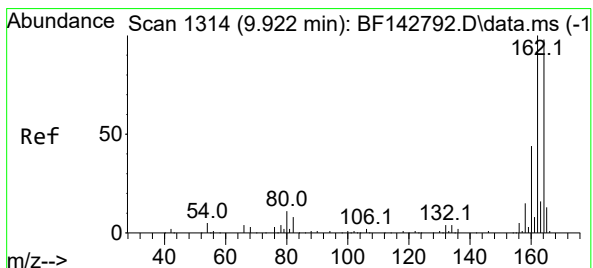
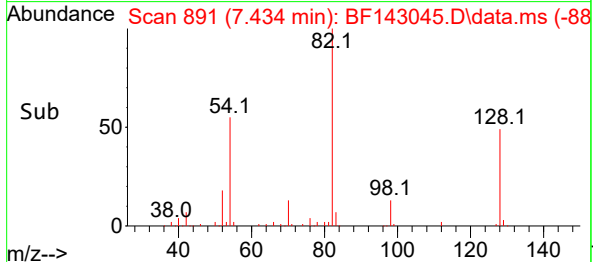
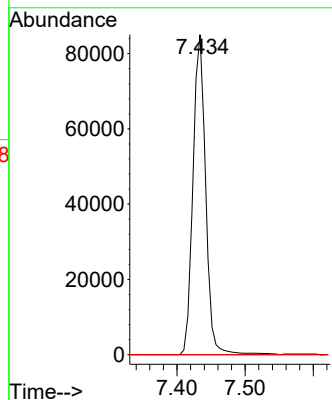
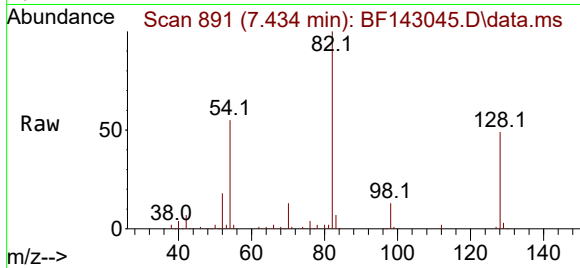




#25
Isophorone
Concen: 21.471 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.270 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

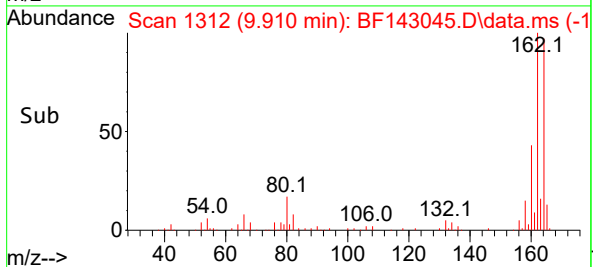
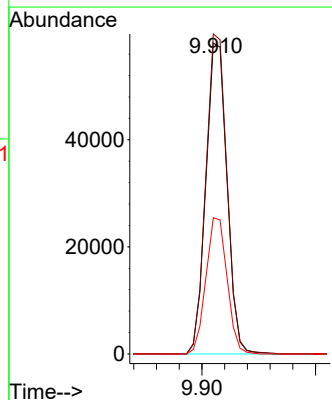
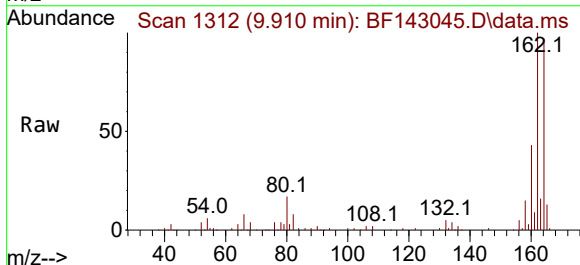
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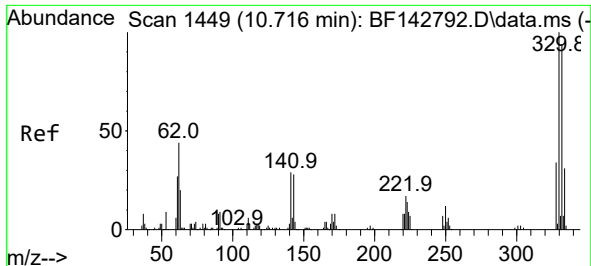
Tgt Ion: 82 Resp: 109512
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

Tgt Ion:164 Resp: 74685
Ion Ratio Lower Upper
164 100
162 102.9 81.8 122.8
160 43.8 36.0 54.0

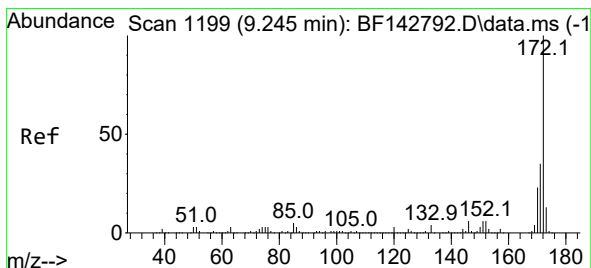
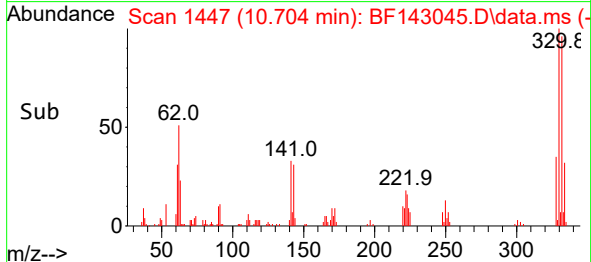
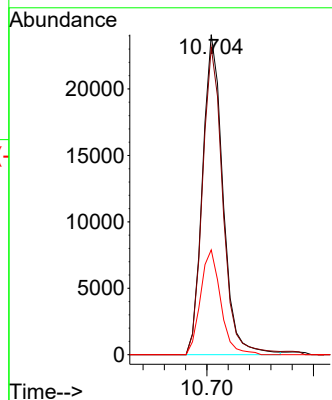
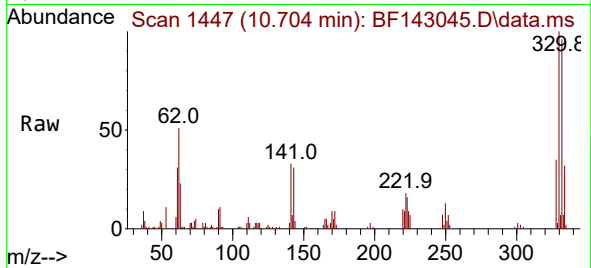




#42
2,4,6-Tribromophenol
Concen: 41.742 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

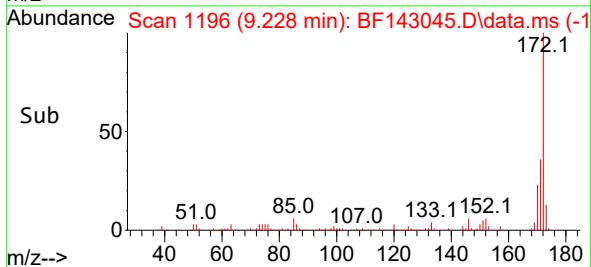
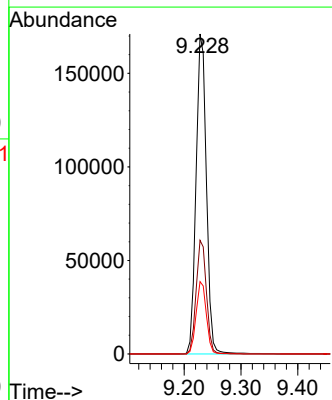
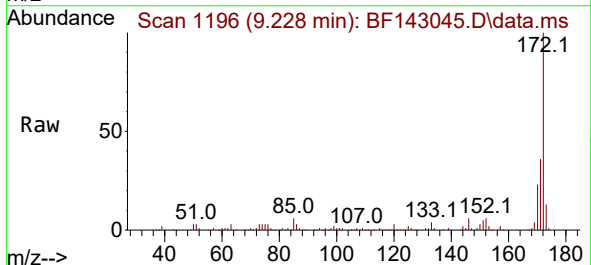
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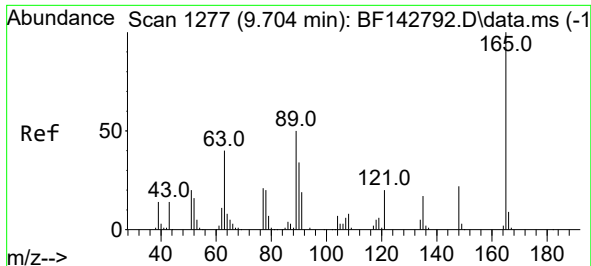
Tgt Ion: 330 Resp: 32081
Ion Ratio Lower Upper
330 100
332 96.5 75.0 112.6
141 32.4 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 38.319 ng
RT: 9.228 min Scan# 1196
Delta R.T. -0.017 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

Tgt Ion: 172 Resp: 217850
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.4
170 22.6 18.5 27.7

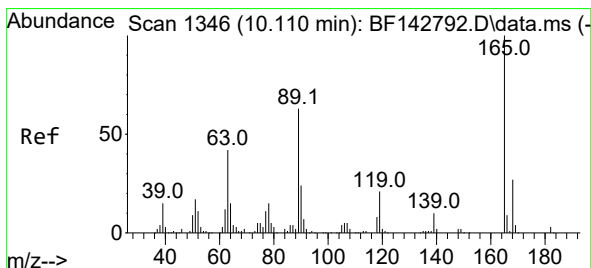
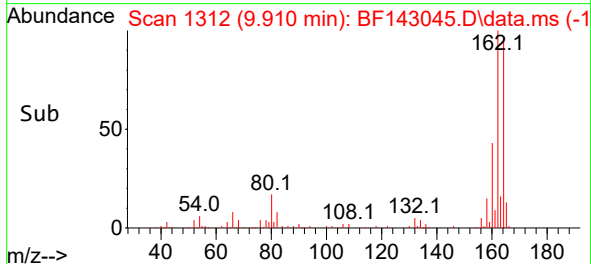
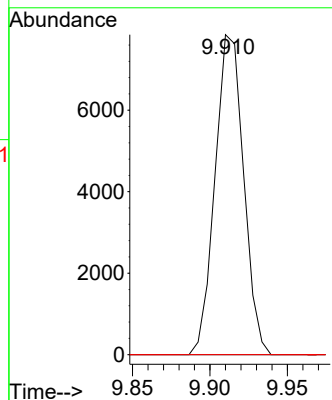
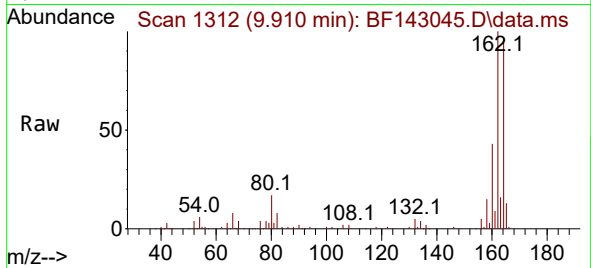




#51
2,6-Dinitrotoluene
Concen: 9.502 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

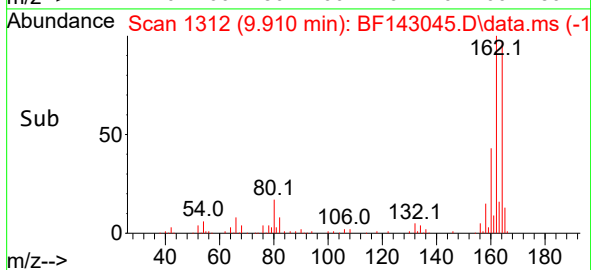
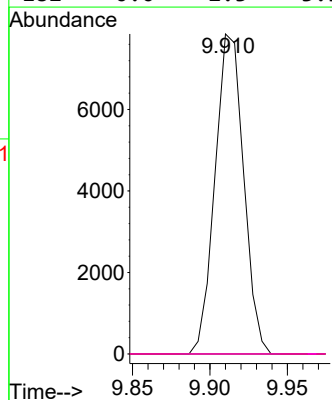
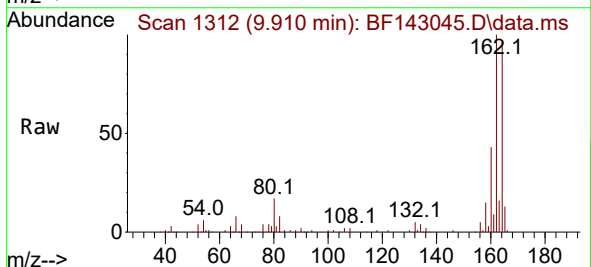
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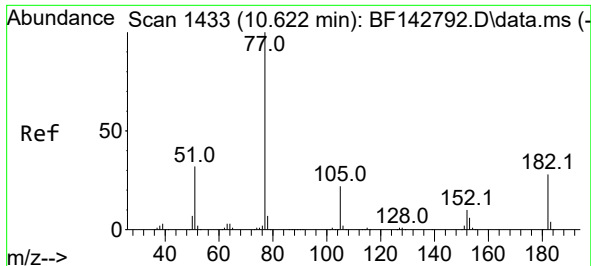
Tgt Ion:165 Resp: 10088
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 7.153 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.200 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

Tgt Ion:165 Resp: 10088
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#

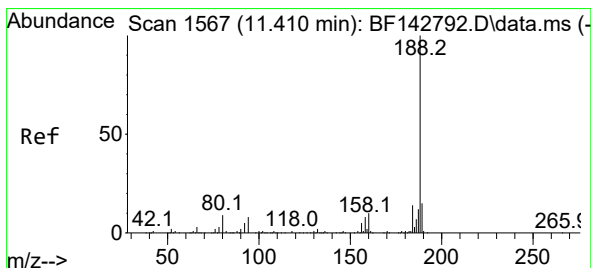
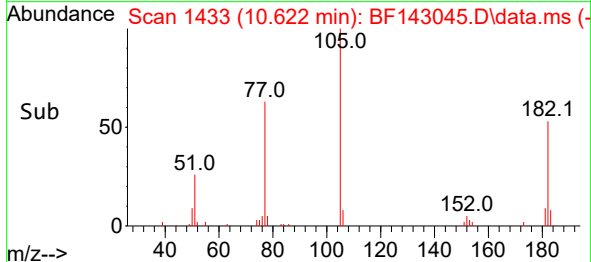
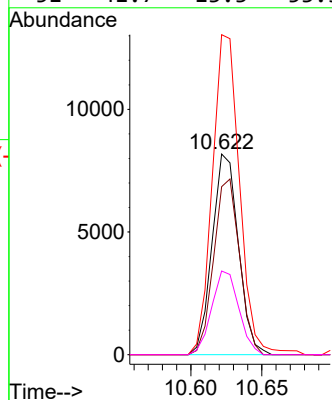
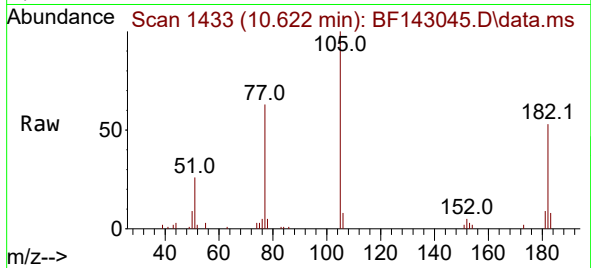




#63
Azobenzene
Concen: 2.483 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

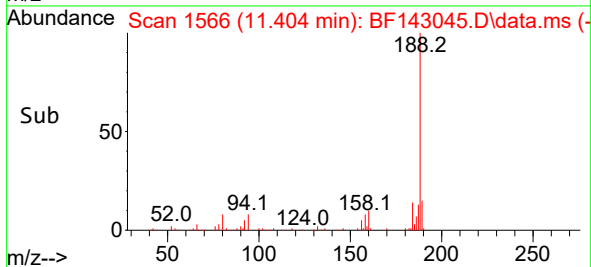
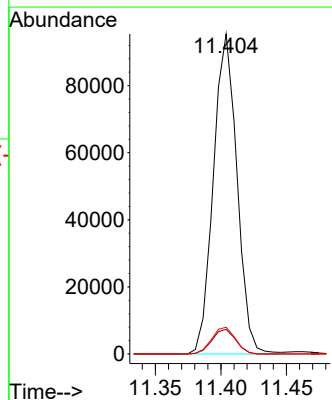
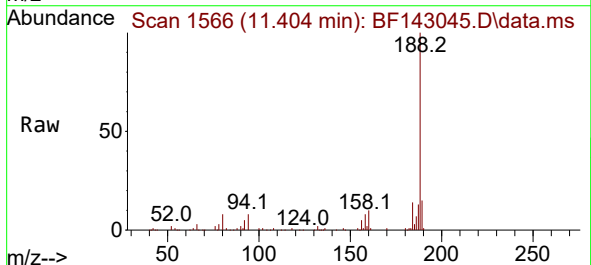
Instrument :
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ClientSampleId :
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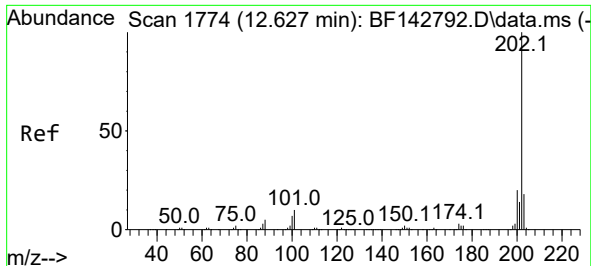
Tgt Ion: 77 Resp: 10520
Ion Ratio Lower Upper
77 100
182 83.7 7.7 47.7#
105 159.5 1.9 41.9#
51 41.7 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

Tgt Ion: 188 Resp: 119276
Ion Ratio Lower Upper
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94 7.7 6.7 10.1
80 8.4 6.9 10.3

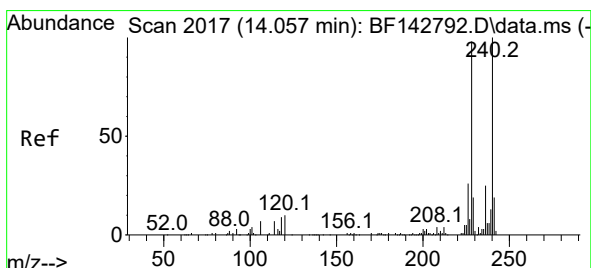
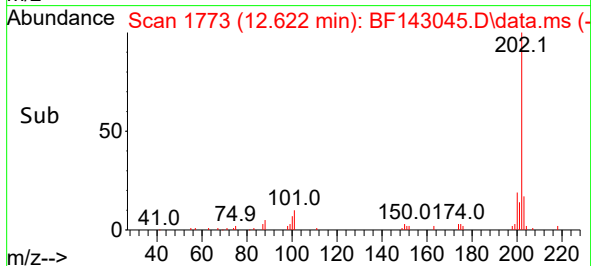
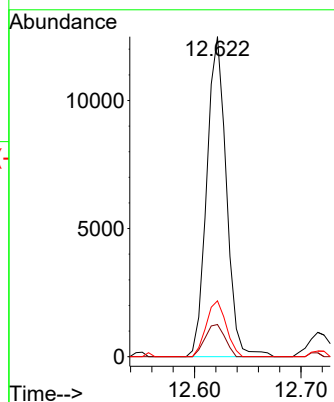
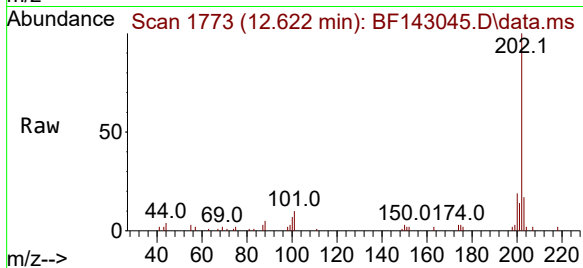




#75
Fluoranthene
Concen: 2.609 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

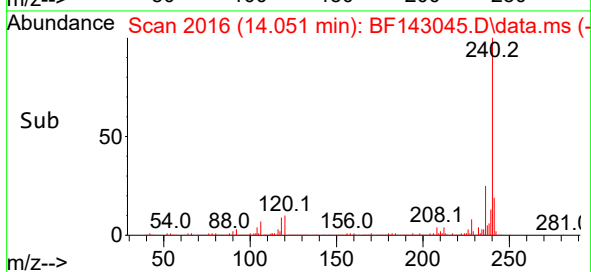
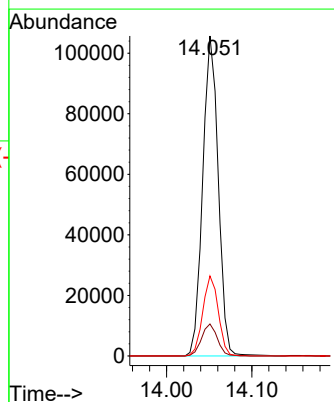
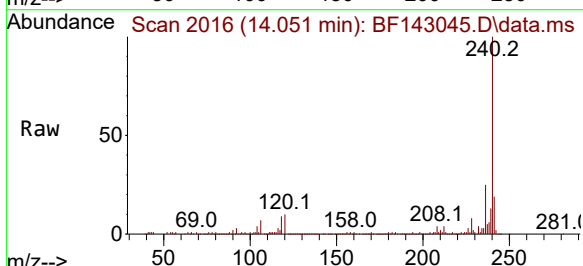
Instrument :
BNA_F
ClientSampleId :
TP-90

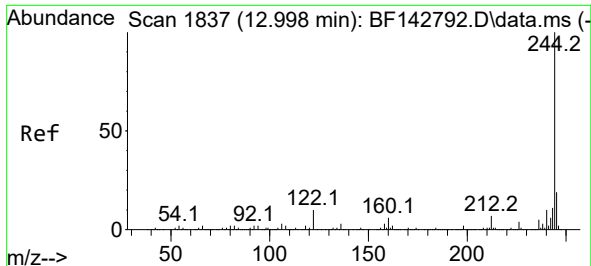
Tgt Ion:	202	Resp:	15998
Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	29.7
203	17.5	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

Tgt Ion:	240	Resp:	133812
Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.2	12.2
236	25.0	19.8	29.8

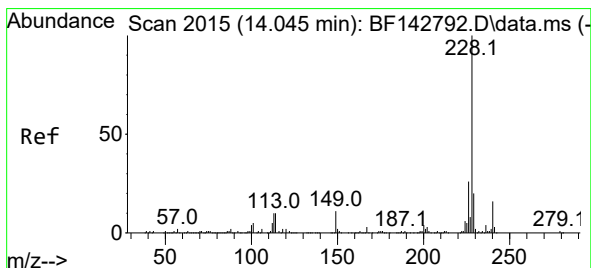
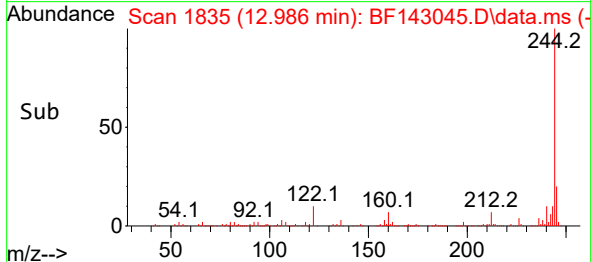
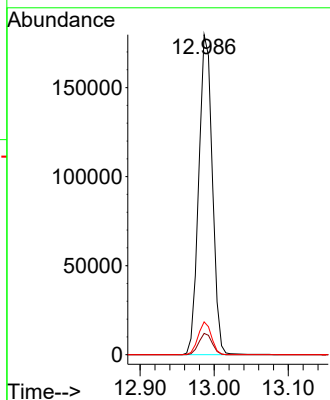
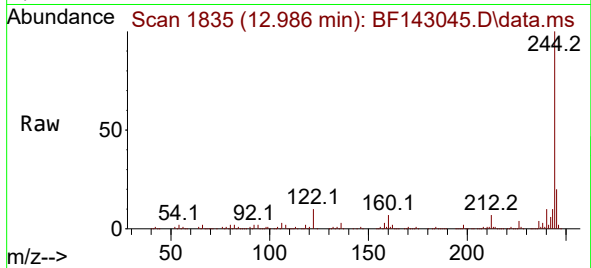




#79
 Terphenyl-d14
 Concen: 23.730 ng
 RT: 12.986 min Scan# 1835
 Delta R.T. -0.012 min
 Lab File: BF143045.D
 Acq: 08 Jul 2025 21:12

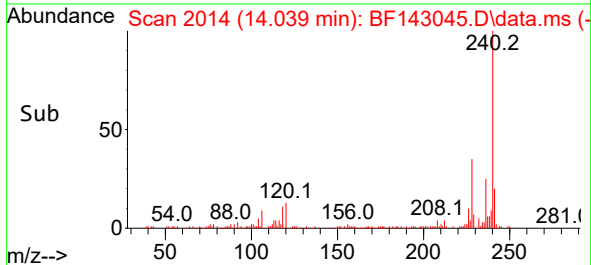
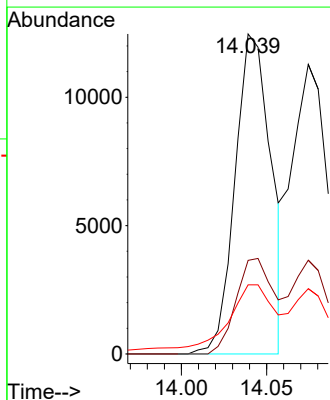
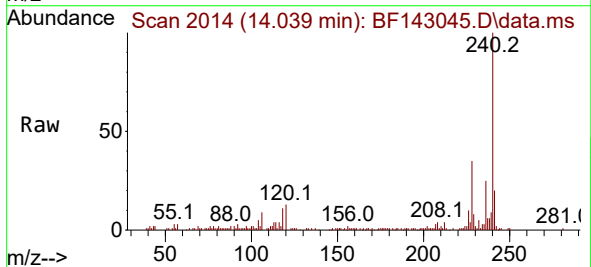
Instrument :
 BNA_F
 ClientSampleId :
 TP-90

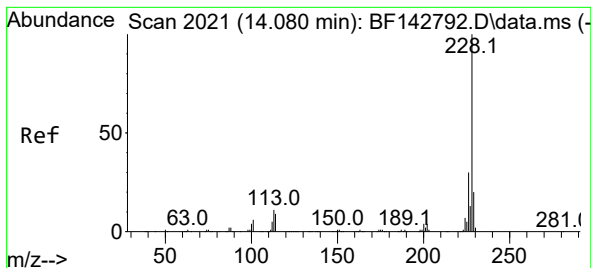
Tgt Ion:244 Resp: 229817
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 10.3 8.2 12.2



#81
 Benzo(a)anthracene
 Concen: 2.026 ng
 RT: 14.039 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF143045.D
 Acq: 08 Jul 2025 21:12

Tgt Ion:228 Resp: 18292
 Ion Ratio Lower Upper
 228 100
 226 29.3 21.2 31.8
 229 21.6 15.6 23.4





#83

Chrysene

Concen: 2.039 ng

RT: 14.074 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143045.D

Acq: 08 Jul 2025 21:12

Instrument :

BNA_F

ClientSampleId :

TP-90

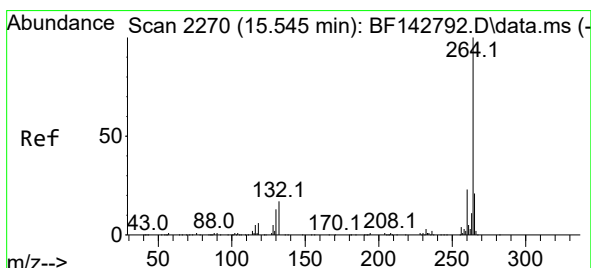
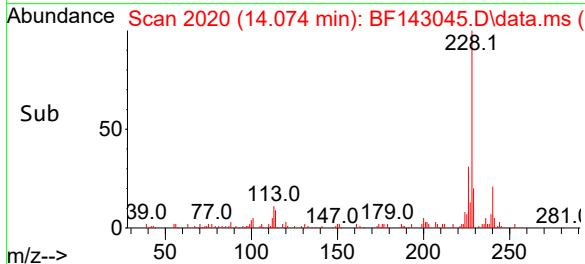
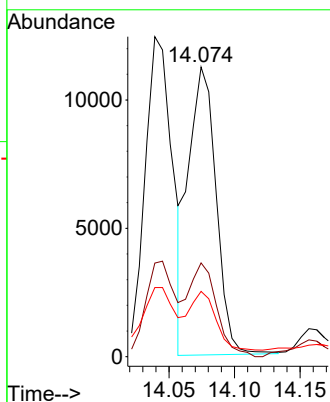
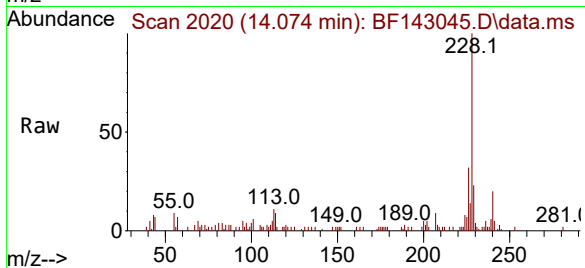
Tgt Ion:228 Resp: 16427

Ion Ratio Lower Upper

228 100

226 32.4 23.7 35.5

229 22.5 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF143045.D

Acq: 08 Jul 2025 21:12

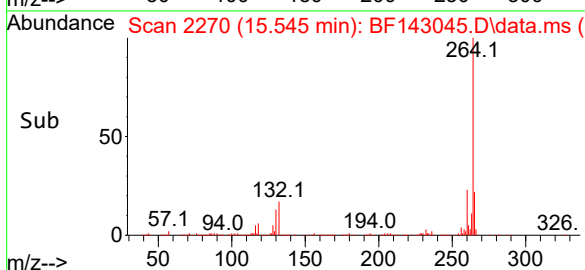
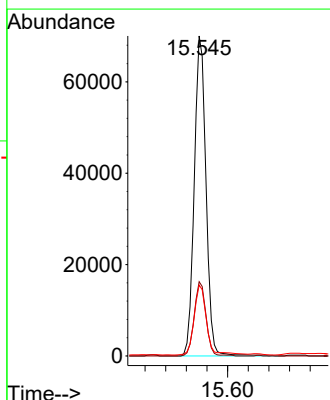
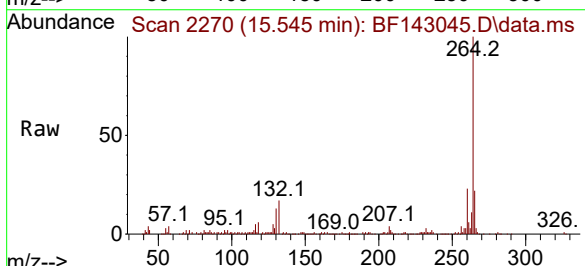
Tgt Ion:264 Resp: 110430

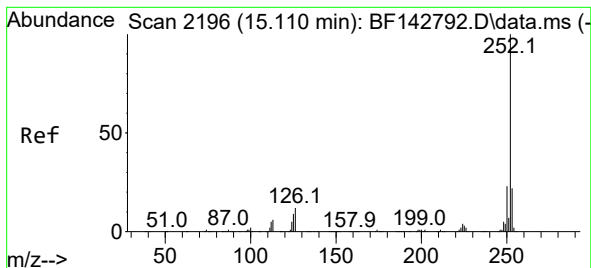
Ion Ratio Lower Upper

264 100

260 23.2 18.1 27.1

265 22.2 16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 5.511 ng

RT: 15.110 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF143045.D

Acq: 08 Jul 2025 21:12

Instrument :

BNA_F

ClientSampleId :

TP-90

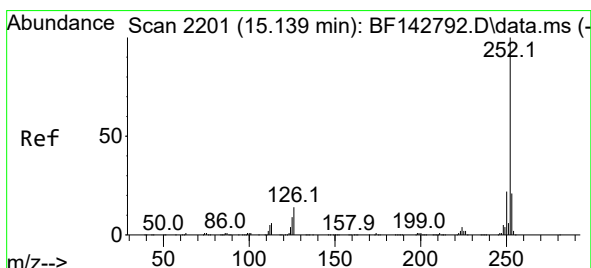
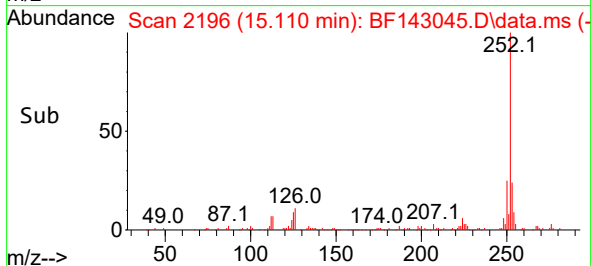
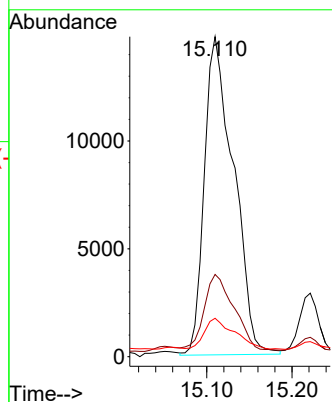
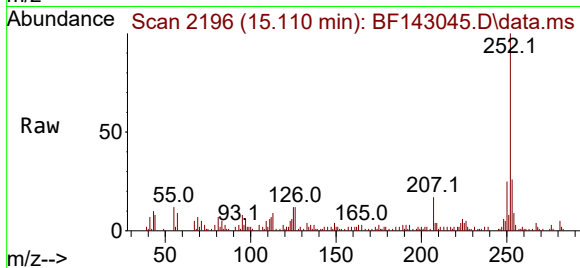
Tgt Ion:252 Resp: 35213

Ion Ratio Lower Upper

252 100

253 25.7 17.5 26.3

125 12.0 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 5.890 ng

RT: 15.110 min Scan# 2196

Delta R.T. -0.029 min

Lab File: BF143045.D

Acq: 08 Jul 2025 21:12

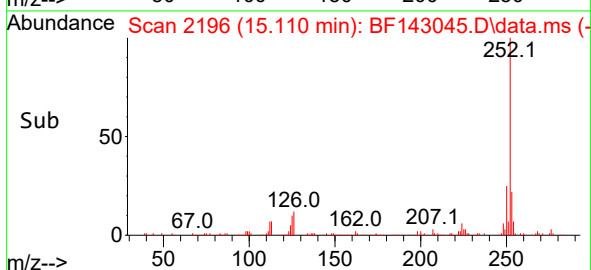
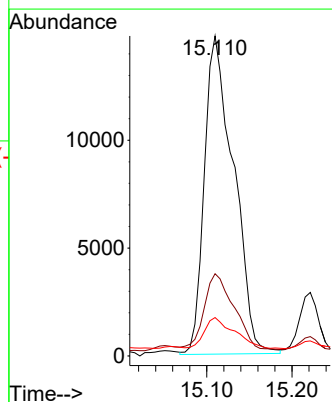
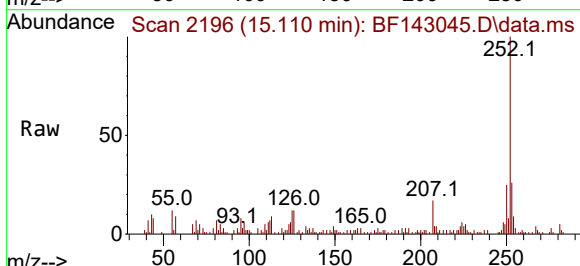
Tgt Ion:252 Resp: 35213

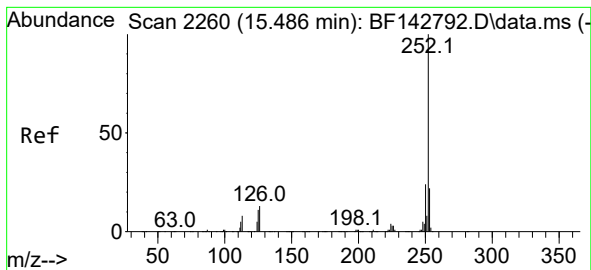
Ion Ratio Lower Upper

252 100

253 25.7 17.2 25.8

125 12.0 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 2.725 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143045.D

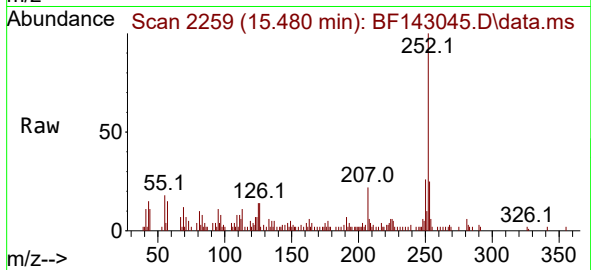
Acq: 08 Jul 2025 21:12

Instrument :

BNA_F

ClientSampleId :

TP-90



Tgt Ion:252 Resp: 16820

Ion Ratio Lower Upper

252 100

253 24.6 17.5 26.3

125 13.7 8.6 12.8#

