

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
 Data File : BF143019.D
 Acq On : 07 Jul 2025 20:21
 Operator : RC/JU
 Sample : Q2473-03 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PIT#3

Quant Time: Jul 08 00:59:07 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)

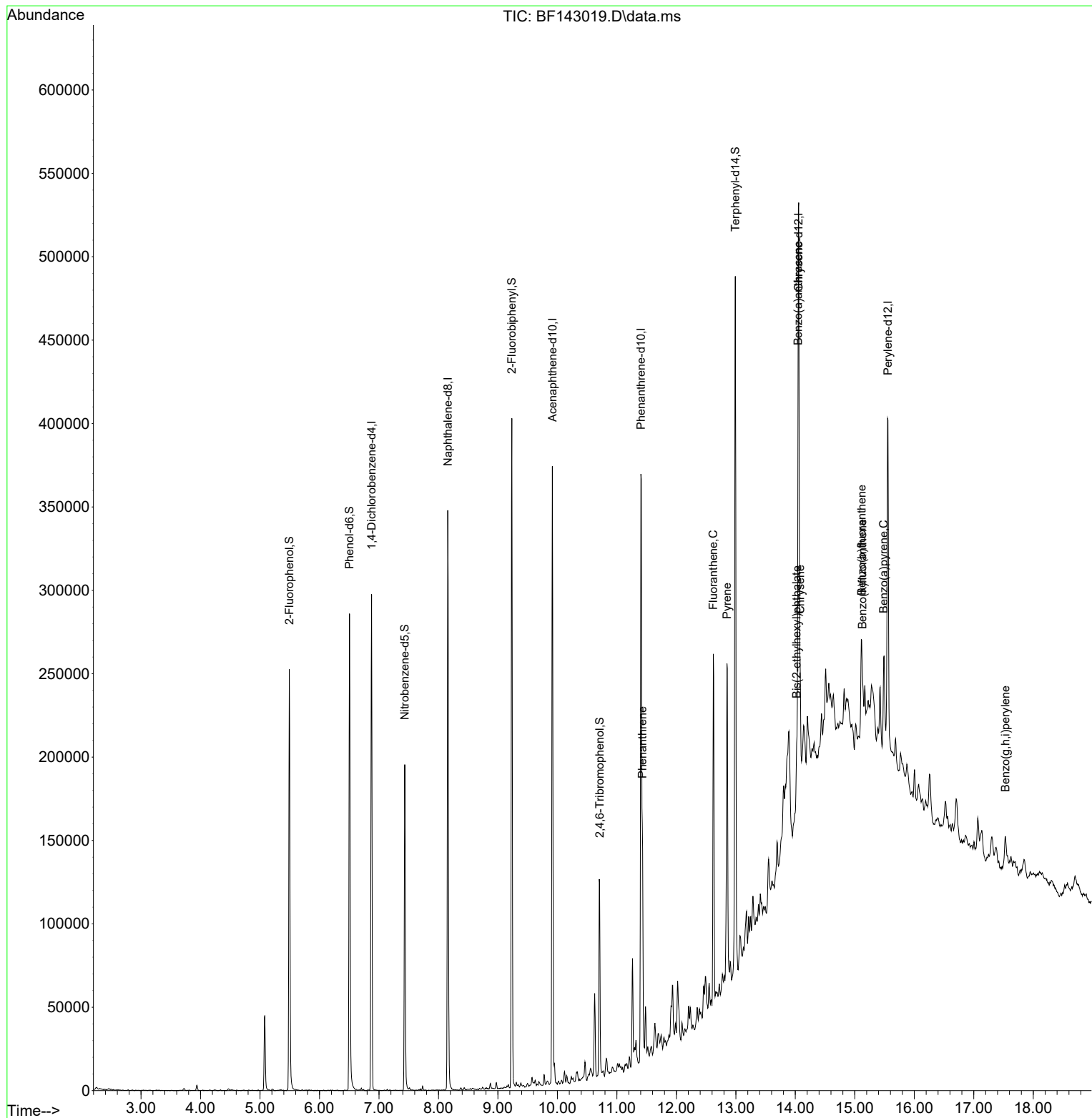
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	65185	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	225358	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	109627	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	189524	20.000	ng	0.00
76) Chrysene-d12	14.057	240	156816	20.000	ng	0.00
86) Perylene-d12	15.557	264	111252	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	101644	25.961	ng	0.00
7) Phenol-d6	6.504	99	135585	29.353	ng	0.00
23) Nitrobenzene-d5	7.434	82	82089	19.980	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	19938	17.673	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	180159	21.589	ng	-0.01
79) Terphenyl-d14	12.992	244	196257	17.292	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.428	178	71082	6.924	ng	99
75) Fluoranthene	12.622	202	122408	12.563	ng	99
78) Pyrene	12.851	202	112050	7.623	ng	98
81) Benzo(a)anthracene	14.045	228	52734	4.985	ng	93
83) Chrysene	14.080	228	42510	4.503	ng	97
84) Bis(2-ethylhexyl)phtha...	14.021	149	18318	2.986	ng	# 96
88) Benzo(b)fluoranthene	15.115	252	39065m	6.068	ng	
89) Benzo(k)fluoranthene	15.127	252	15781m	2.620	ng	
90) Benzo(a)pyrene	15.486	252	27283	4.387	ng	# 87
92) Benzo(g,h,i)perylene	17.533	276	15745	2.293	ng	97

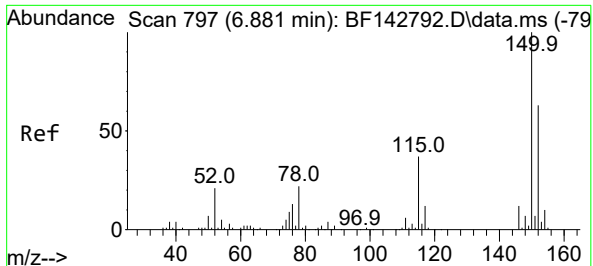
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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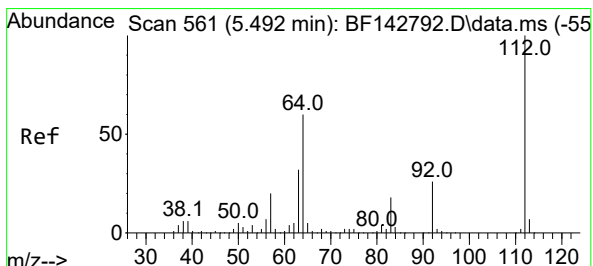
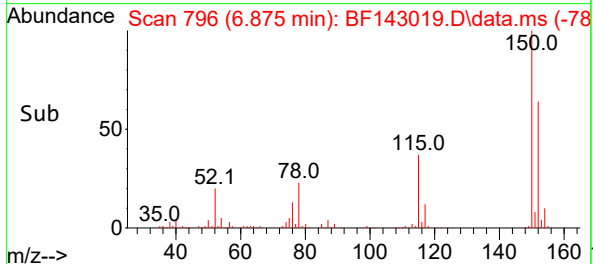
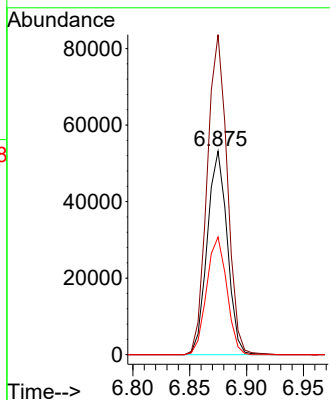
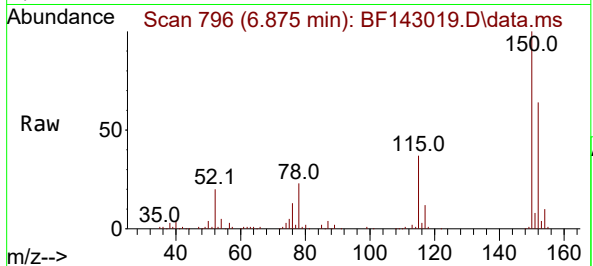




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF143019.D
Acq: 07 Jul 2025 20:21

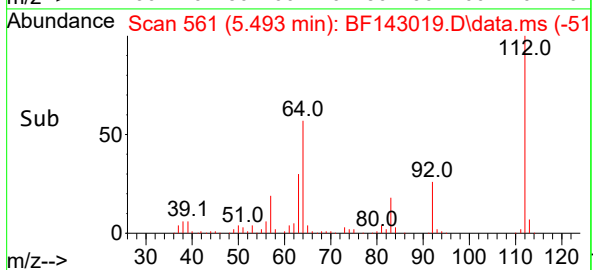
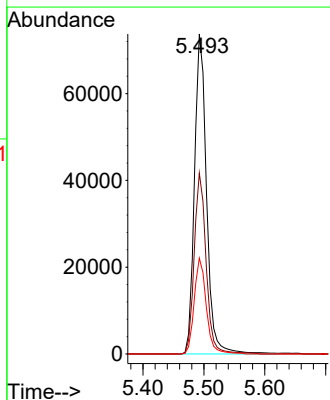
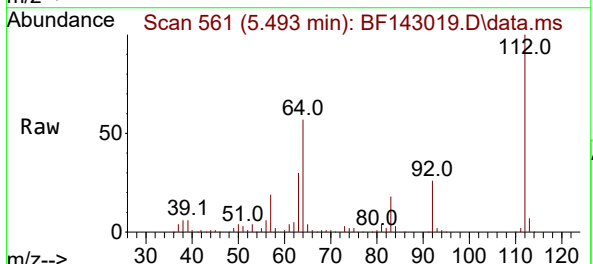
Instrument :
BNA_F
ClientSampleId :
PIT#3

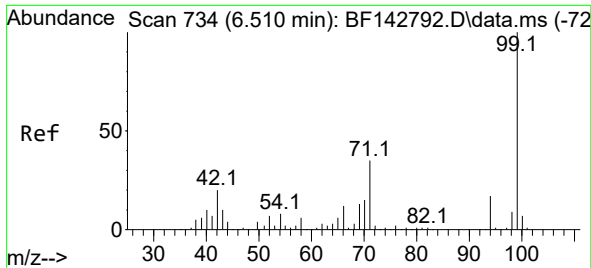
Tgt Ion:152 Resp: 65185
Ion Ratio Lower Upper
152 100
150 157.2 127.2 190.8
115 57.8 46.6 69.8



#5
2-Fluorophenol
Concen: 25.961 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF143019.D
Acq: 07 Jul 2025 20:21

Tgt Ion:112 Resp: 101644
Ion Ratio Lower Upper
112 100
64 56.5 48.2 72.2
63 29.9 25.7 38.5

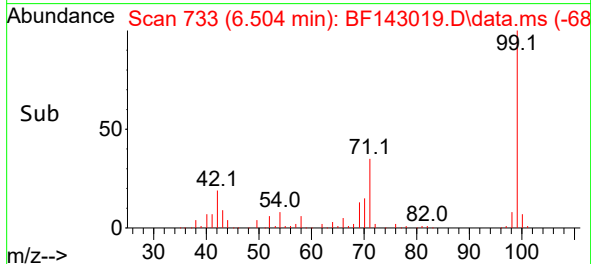
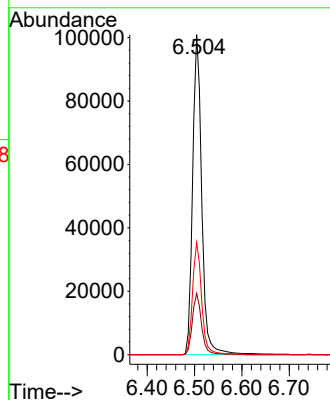
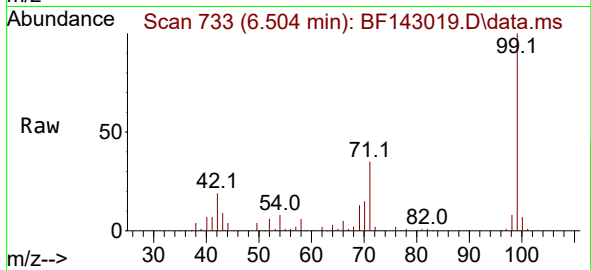




#7
Phenol-d6
Concen: 29.353 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143019.D
Acq: 07 Jul 2025 20:21

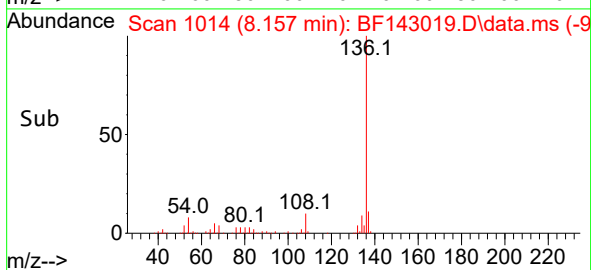
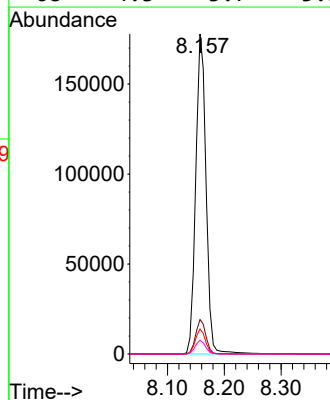
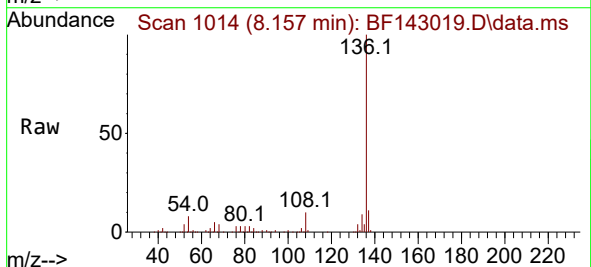
Instrument :
BNA_F
ClientSampleId :
PIT#3

Tgt Ion: 99 Resp: 135585
Ion Ratio Lower Upper
99 100
42 19.2 15.9 23.9
71 35.1 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143019.D
Acq: 07 Jul 2025 20:21

Tgt Ion: 136 Resp: 225358
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.8 6.3 9.5
68 4.3 3.7 5.5





#23

Nitrobenzene-d5

Concen: 19.980 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF143019.D

Acq: 07 Jul 2025 20:21

Instrument :

BNA_F

ClientSampleId :

PIT#3

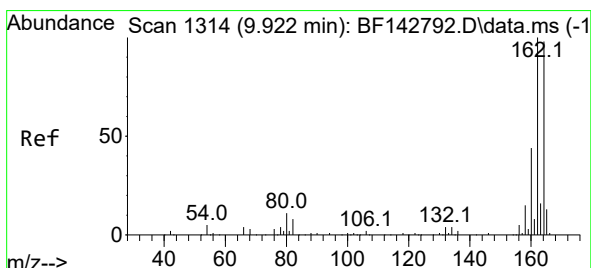
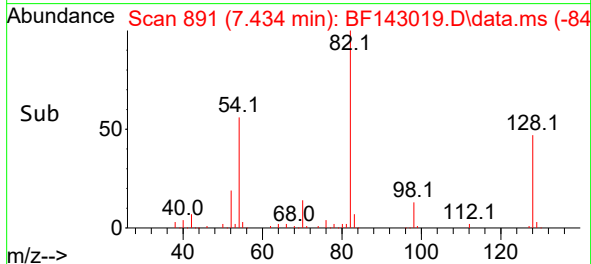
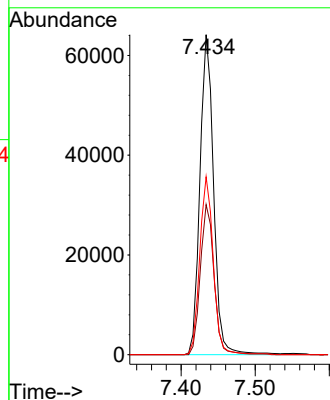
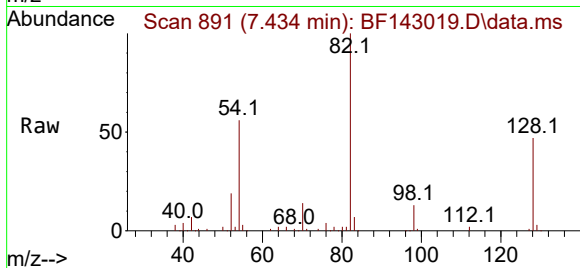
Tgt Ion: 82 Resp: 82089

Ion Ratio Lower Upper

82 100

128 46.9 37.7 56.5

54 55.6 45.7 68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.006 min

Lab File: BF143019.D

Acq: 07 Jul 2025 20:21

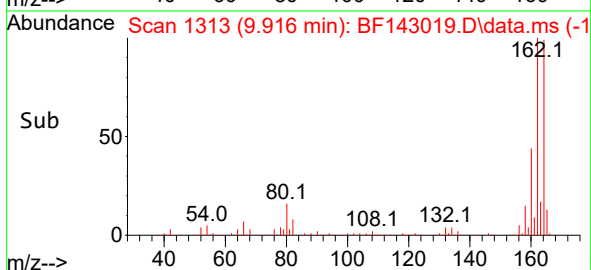
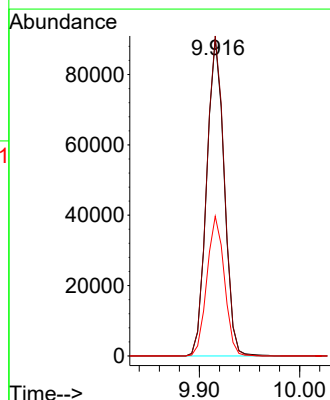
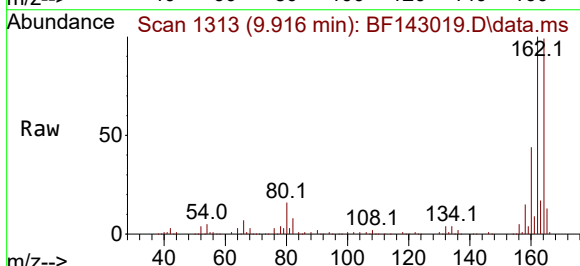
Tgt Ion:164 Resp: 109627

Ion Ratio Lower Upper

164 100

162 100.9 81.8 122.8

160 44.0 36.0 54.0

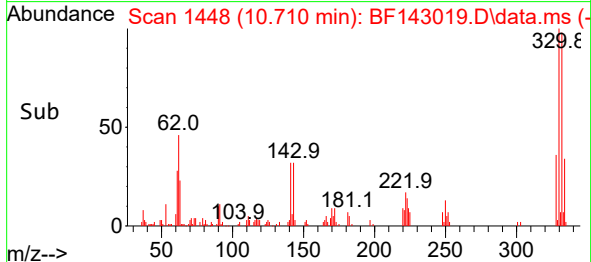
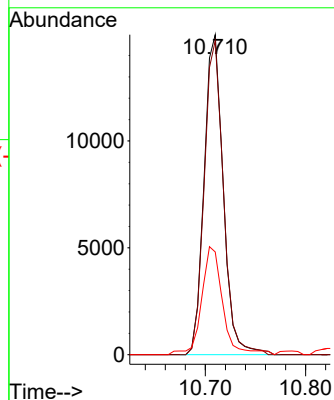
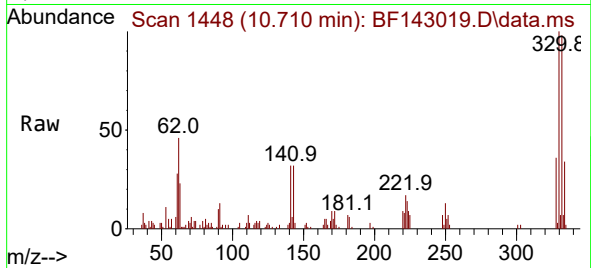




#42
2,4,6-Tribromophenol
Concen: 17.673 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143019.D
Acq: 07 Jul 2025 20:21

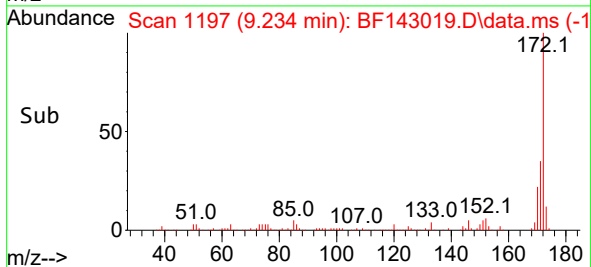
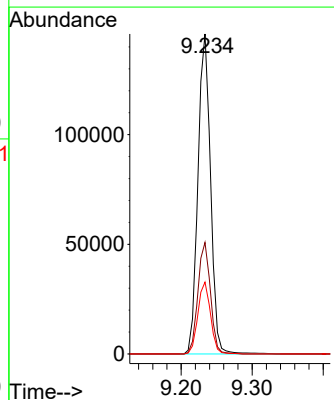
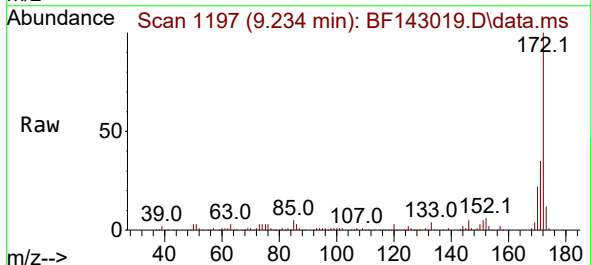
Instrument :
BNA_F
ClientSampleId :
PIT#3

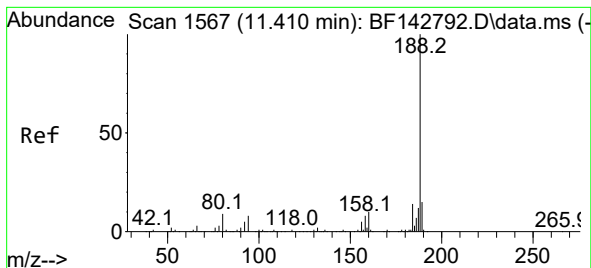
Tgt Ion: 330 Resp: 19938
Ion Ratio Lower Upper
330 100
332 98.1 75.0 112.6
141 37.0 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 21.589 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF143019.D
Acq: 07 Jul 2025 20:21

Tgt Ion: 172 Resp: 180159
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.4
170 22.4 18.5 27.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143019.D

Acq: 07 Jul 2025 20:21

Instrument :

BNA_F

ClientSampleId :

PIT#3

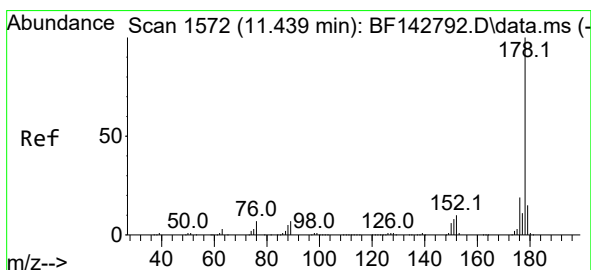
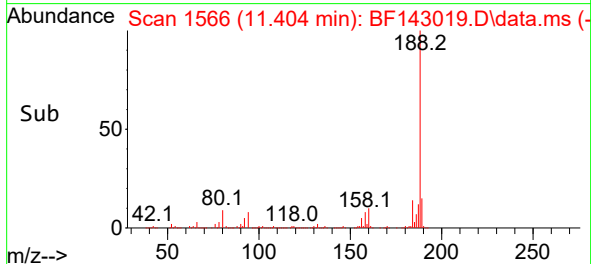
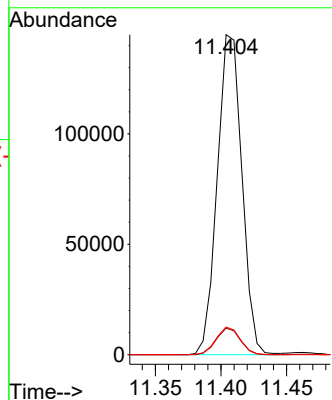
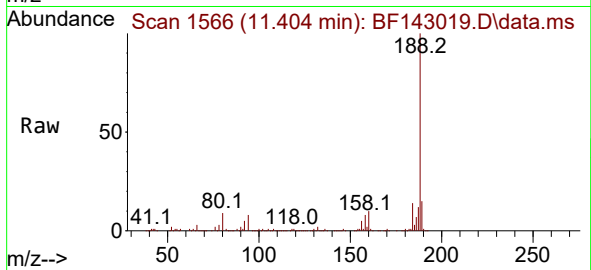
Tgt Ion:188 Resp: 189524

Ion Ratio Lower Upper

188 100

94 8.3 6.7 10.1

80 8.6 6.9 10.3



#71

Phenanthrene

Concen: 6.924 ng

RT: 11.428 min Scan# 1570

Delta R.T. -0.012 min

Lab File: BF143019.D

Acq: 07 Jul 2025 20:21

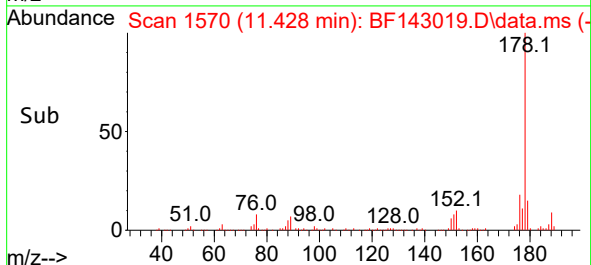
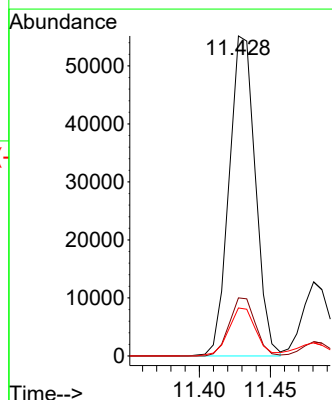
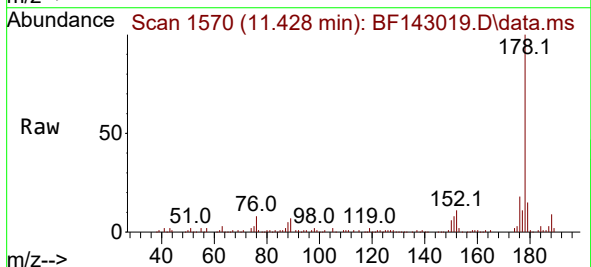
Tgt Ion:178 Resp: 71082

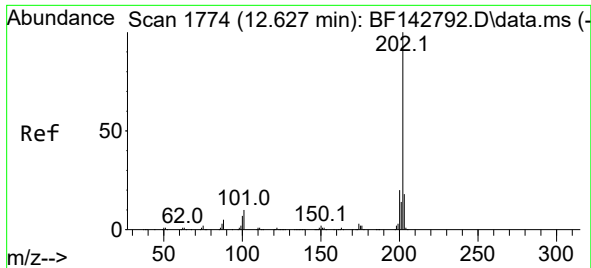
Ion Ratio Lower Upper

178 100

176 18.1 15.1 22.7

179 15.0 12.0 18.0

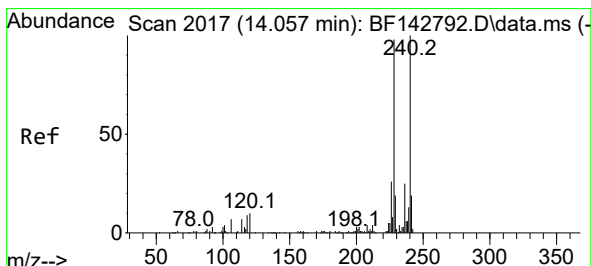
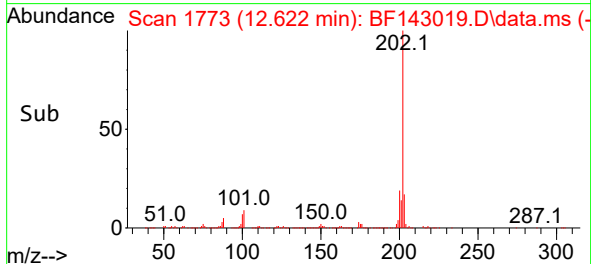
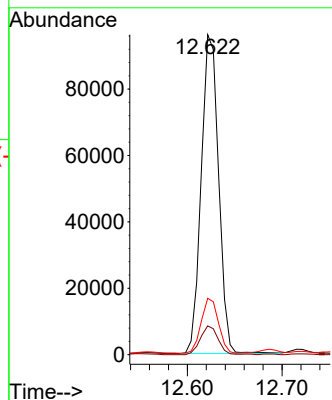
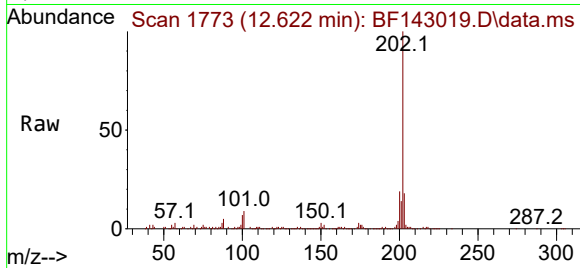




#75
Fluoranthene
Concen: 12.563 ng
RT: 12.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143019.D
Acq: 07 Jul 2025 20:21

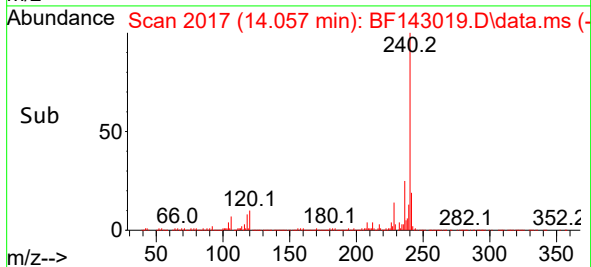
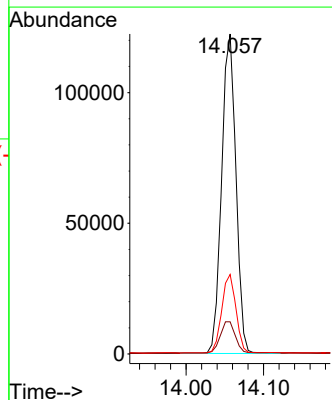
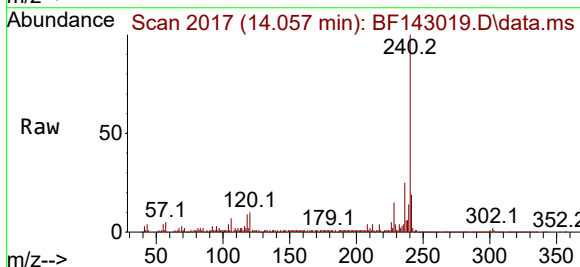
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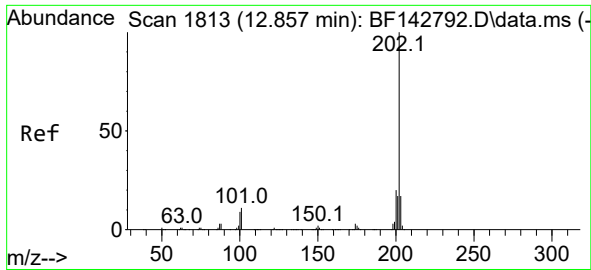
Tgt Ion:202 Resp: 122408
Ion Ratio Lower Upper
202 100
101 9.0 0.0 29.7
203 17.6 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF143019.D
Acq: 07 Jul 2025 20:21

Tgt Ion:240 Resp: 156816
Ion Ratio Lower Upper
240 100
120 10.1 8.2 12.2
236 24.8 19.8 29.8

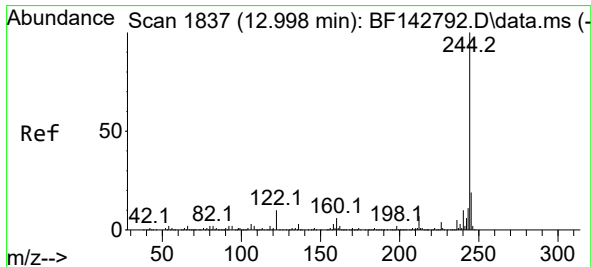
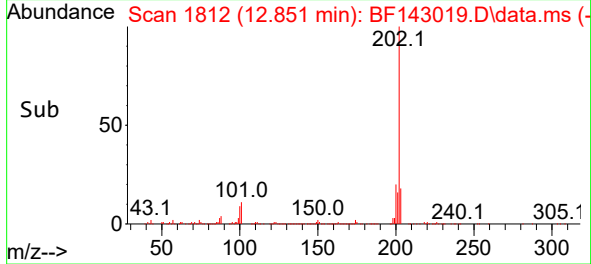
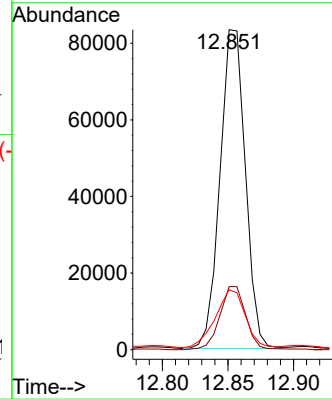
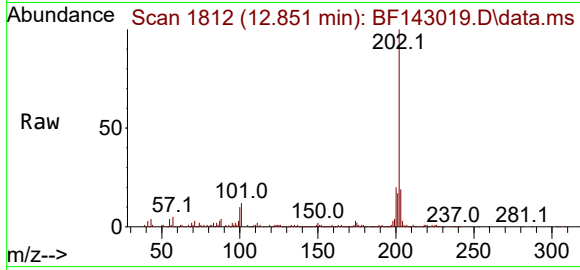




#78
 Pyrene
 Concen: 7.623 ng
 RT: 12.851 min Scan# 1812
 Delta R.T. -0.006 min
 Lab File: BF143019.D
 Acq: 07 Jul 2025 20:21

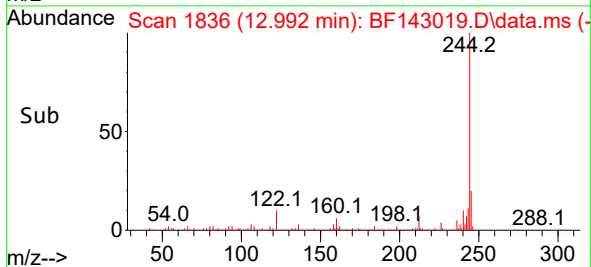
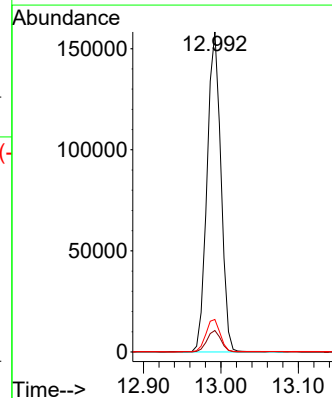
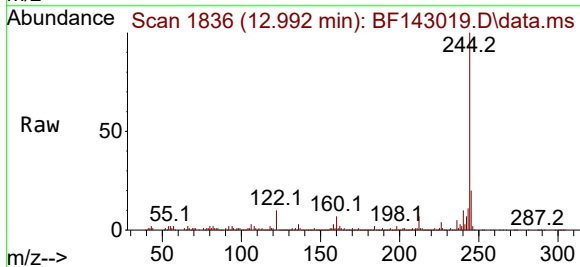
Instrument :
 BNA_F
 ClientSampleId :
 PIT#3

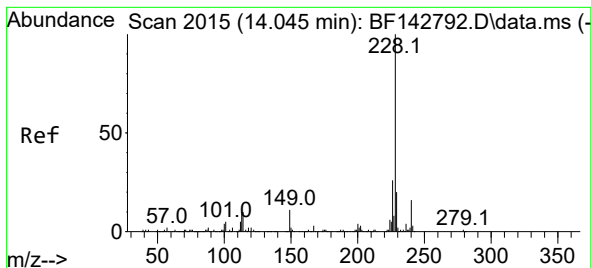
Tgt Ion:202 Resp: 112050
 Ion Ratio Lower Upper
 202 100
 200 19.7 15.7 23.5
 203 18.8 13.8 20.6



#79
 Terphenyl-d14
 Concen: 17.292 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF143019.D
 Acq: 07 Jul 2025 20:21

Tgt Ion:244 Resp: 196257
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 10.1 8.2 12.2





#81

Benzo(a)anthracene

Concen: 4.985 ng

RT: 14.045 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF143019.D

Acq: 07 Jul 2025 20:21

Instrument :

BNA_F

ClientSampleId :

PIT#3

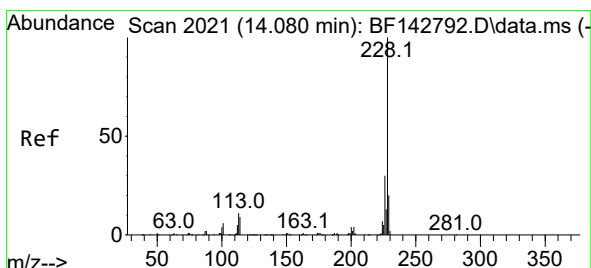
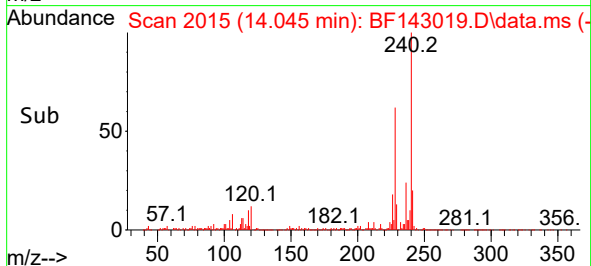
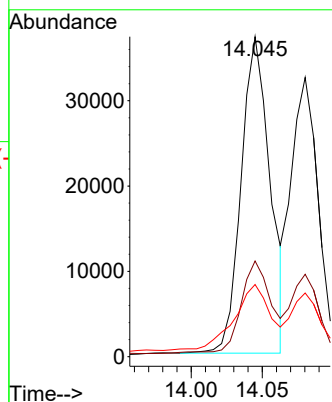
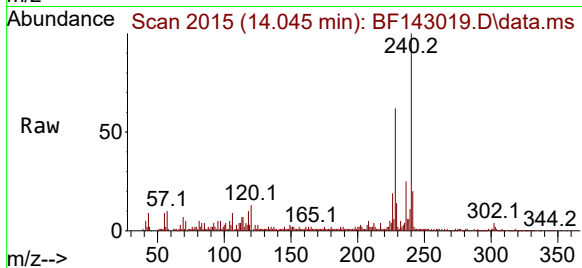
Tgt Ion:228 Resp: 52734

Ion Ratio Lower Upper

228 100

226 29.9 21.2 31.8

229 22.5 15.6 23.4



#83

Chrysene

Concen: 4.503 ng

RT: 14.080 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF143019.D

Acq: 07 Jul 2025 20:21

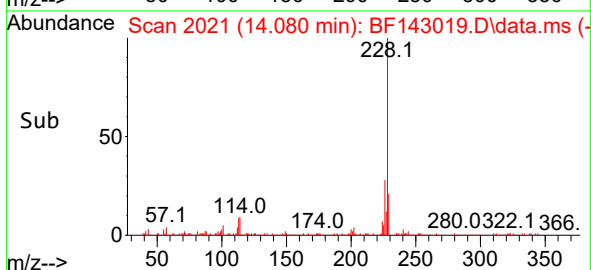
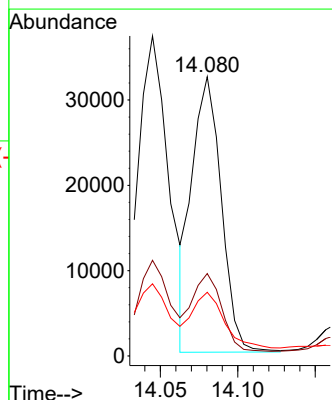
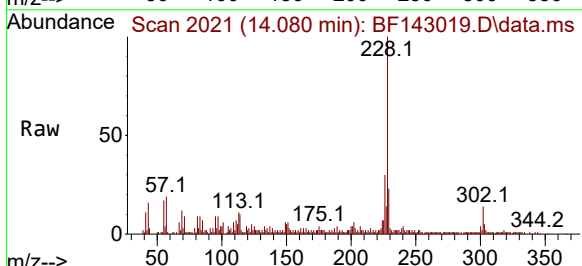
Tgt Ion:228 Resp: 42510

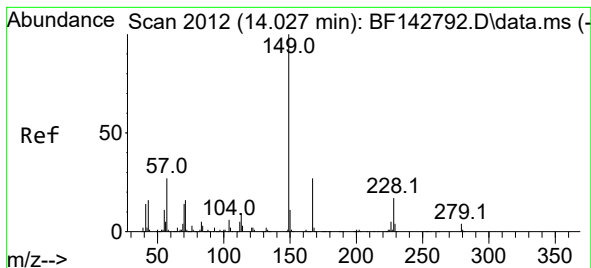
Ion Ratio Lower Upper

228 100

226 29.5 23.7 35.5

229 22.8 15.7 23.5

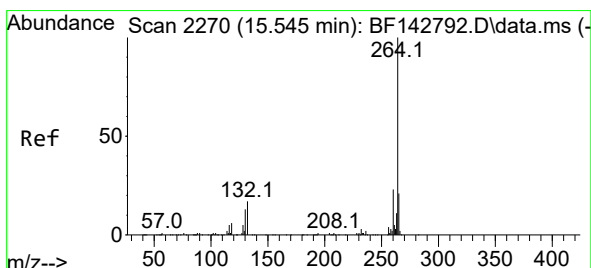
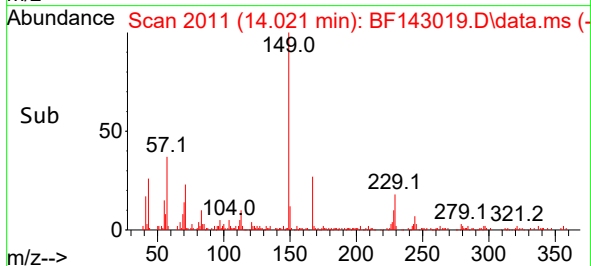
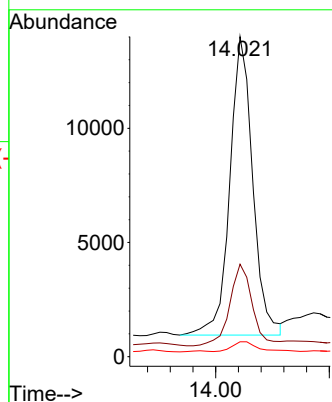
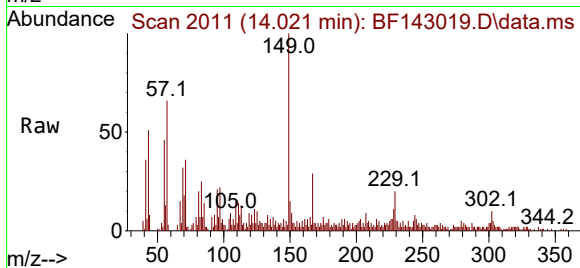




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.986 ng
 RT: 14.021 min Scan# 2012
 Delta R.T. -0.006 min
 Lab File: BF143019.D
 Acq: 07 Jul 2025 20:21

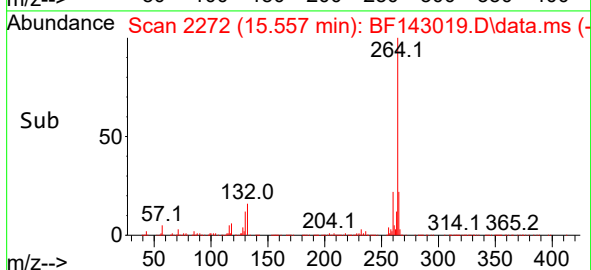
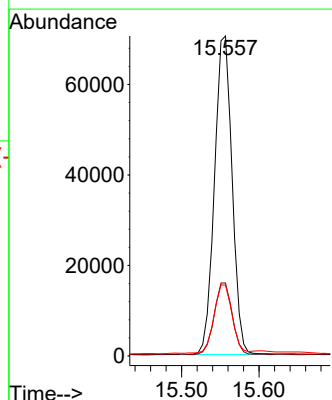
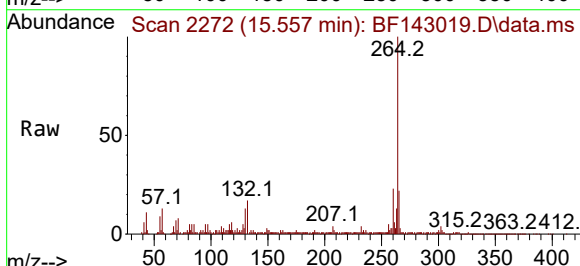
Instrument :
 BNA_F
 ClientSampleId :
 PIT#3

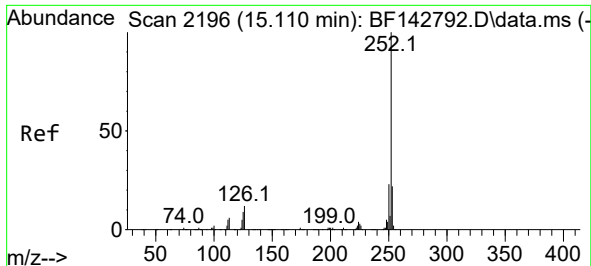
Tgt Ion:149 Resp: 18318
 Ion Ratio Lower Upper
 149 100
 167 28.9 21.4 32.0
 279 4.7 3.0 4.6#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 2272
 Delta R.T. 0.012 min
 Lab File: BF143019.D
 Acq: 07 Jul 2025 20:21

Tgt Ion:264 Resp: 111252
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.1 27.1
 265 22.1 16.6 25.0

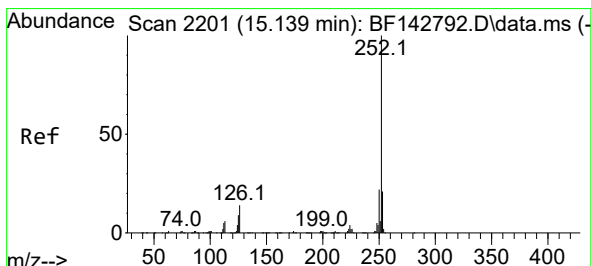
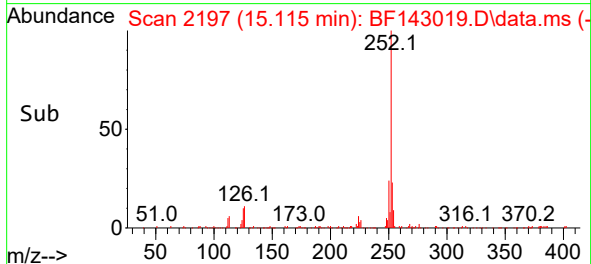
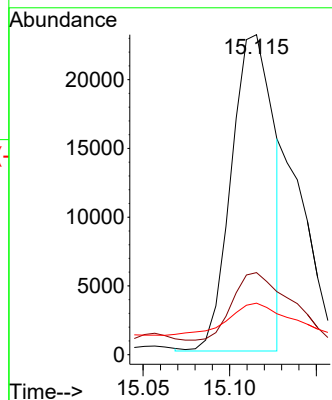
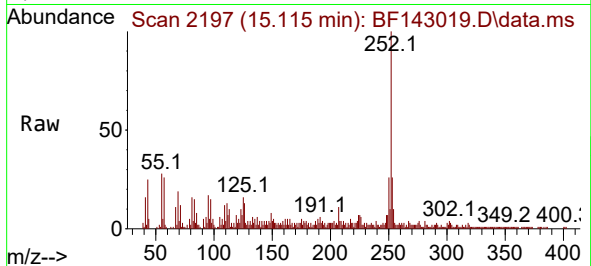




#88
Benzo(b)fluoranthene
Concen: 6.068 ng m
RT: 15.115 min Scan# 2196
Delta R.T. 0.006 min
Lab File: BF143019.D
Acq: 07 Jul 2025 20:21

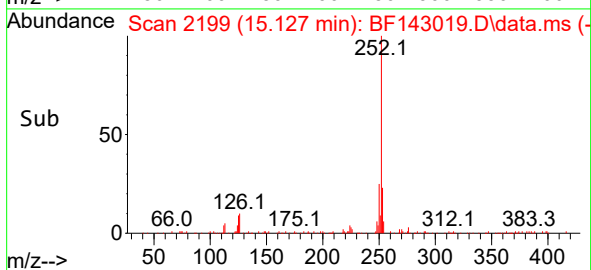
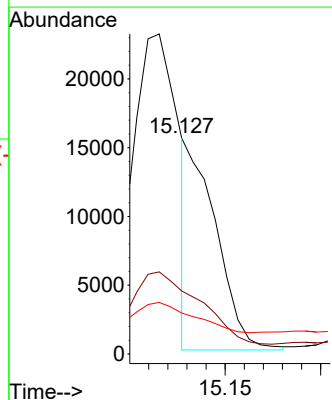
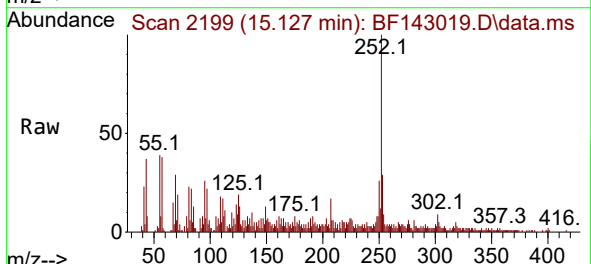
Instrument :
BNA_F
ClientSampleId :
PIT#3

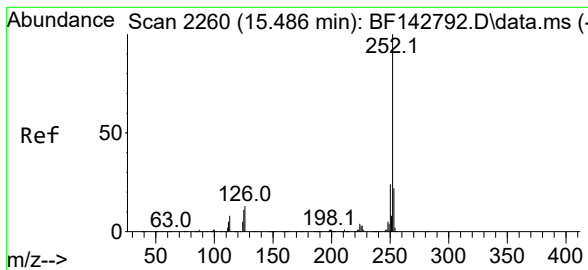
Tgt Ion:252 Resp: 39065
Ion Ratio Lower Upper
252 100
253 25.6 17.5 26.3
125 16.1 7.4 11.0#



#89
Benzo(k)fluoranthene
Concen: 2.620 ng m
RT: 15.127 min Scan# 2199
Delta R.T. -0.012 min
Lab File: BF143019.D
Acq: 07 Jul 2025 20:21

Tgt Ion:252 Resp: 15781
Ion Ratio Lower Upper
252 100
253 29.2 17.2 25.8#
125 19.0 7.4 11.2#

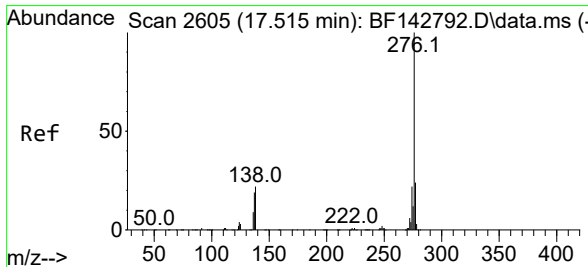
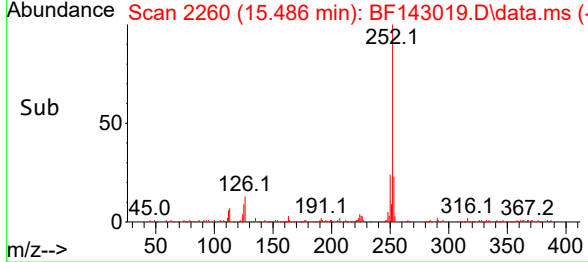
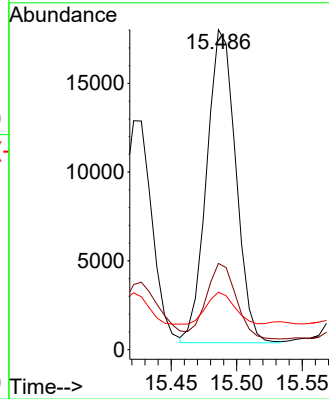
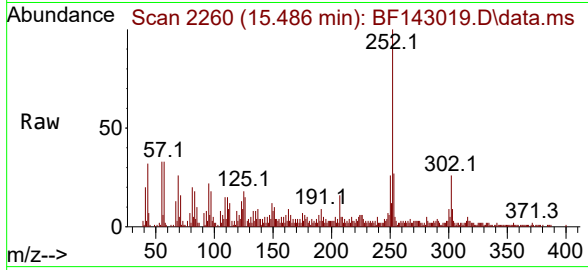




#90
Benzo(a)pyrene
Concen: 4.387 ng
RT: 15.486 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143019.D
Acq: 07 Jul 2025 20:21

Instrument :
BNA_F
ClientSampleId :
PIT#3

Tgt Ion:252 Resp: 27283
Ion Ratio Lower Upper
252 100
253 27.0 17.5 26.3#
125 17.9 8.6 12.8#



#92
Benzo(g,h,i)perylene
Concen: 2.293 ng
RT: 17.533 min Scan# 2608
Delta R.T. 0.018 min
Lab File: BF143019.D
Acq: 07 Jul 2025 20:21

Tgt Ion:276 Resp: 15745
Ion Ratio Lower Upper
276 100
277 24.9 18.8 28.2
138 23.3 17.6 26.4

