

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
 Data File : BF143926.D
 Acq On : 10 Oct 2025 15:51
 Operator : RC/JU
 Sample : Q3321-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-DS-01

Quant Time: Oct 10 17:16:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

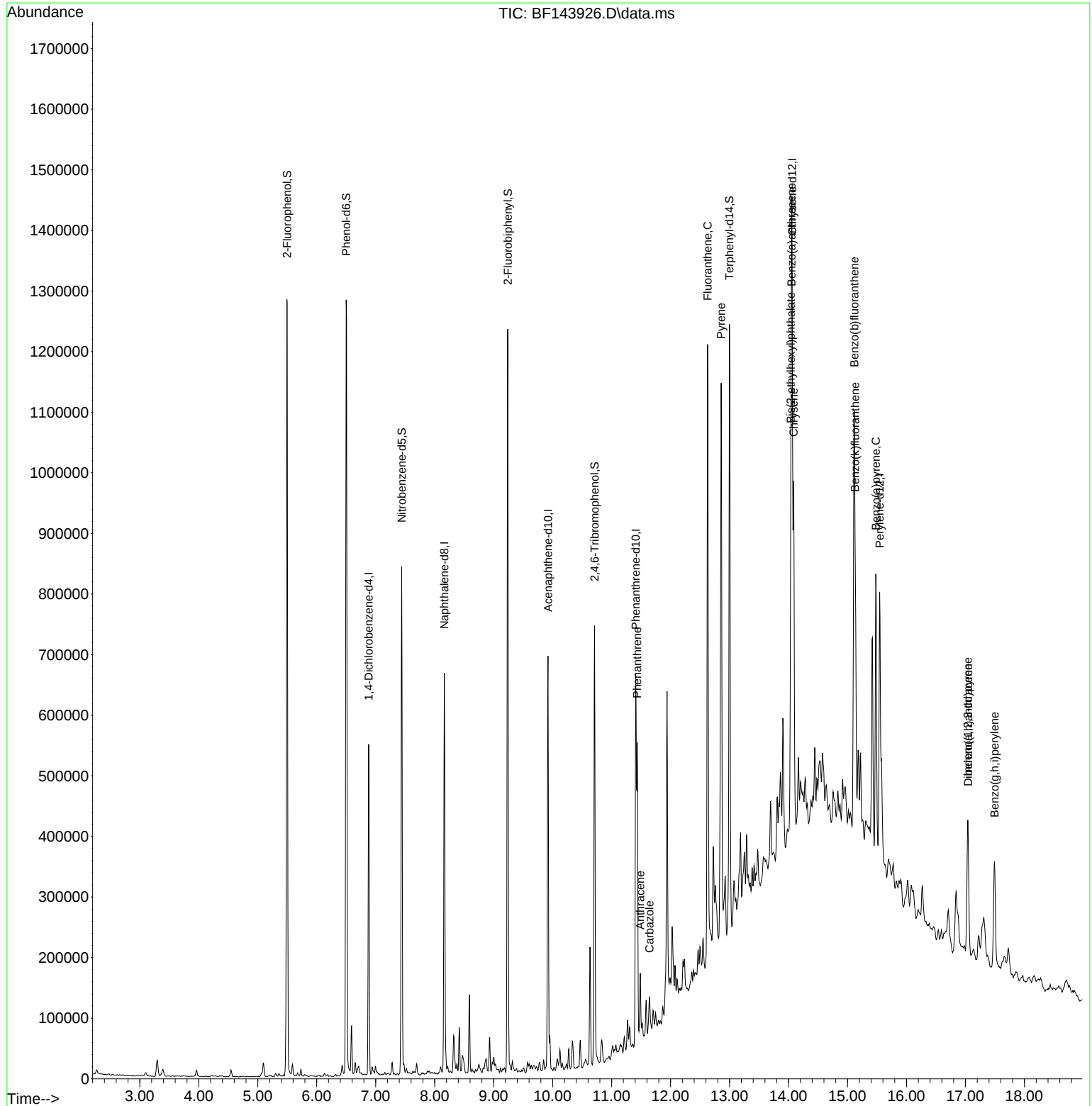
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	108001	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	403837	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	207929	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	321893	20.000	ng	0.00
76) Chrysene-d12	14.063	240	291502	20.000	ng	0.00
86) Perylene-d12	15.545	264	280555	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	507798	74.664	ng	0.00
7) Phenol-d6	6.498	99	581255	71.701	ng	-0.02
23) Nitrobenzene-d5	7.440	82	343410	51.664	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	127809	61.713	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	575895	43.947	ng	-0.01
79) Terphenyl-d14	12.998	244	521233	30.560	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	261640	16.766	ng	98
72) Anthracene	11.486	178	68115	4.321	ng	99
73) Carbazole	11.639	167	30822	2.207	ng	95
75) Fluoranthene	12.627	202	584300	36.248	ng	99
78) Pyrene	12.857	202	553727	22.785	ng	97
81) Benzo(a)anthracene	14.051	228	384901	20.177	ng	98
83) Chrysene	14.086	228	319540	18.099	ng	97
84) Bis(2-ethylhexyl)phtha...	14.039	149	118990	12.507	ng	98
87) Indeno(1,2,3-cd)pyrene	17.039	276	172242	10.019	ng	97
88) Benzo(b)fluoranthene	15.116	252	474866m	29.466	ng	
89) Benzo(k)fluoranthene	15.127	252	172469m	11.565	ng	
90) Benzo(a)pyrene	15.480	252	296801	21.239	ng	# 96
91) Dibenzo(a,h)anthracene	17.045	278	39701	2.871	ng	# 84
92) Benzo(g,h,i)perylene	17.492	276	159145	11.511	ng	# 95

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

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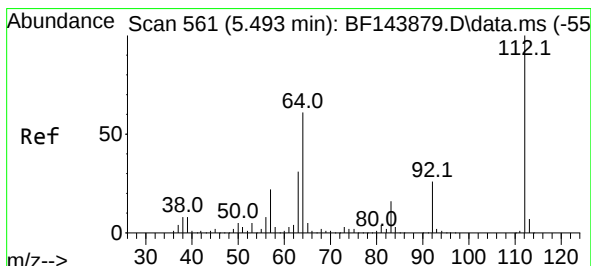
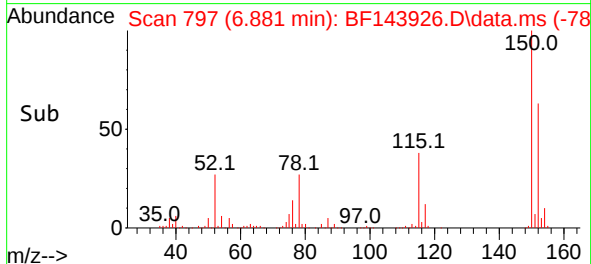
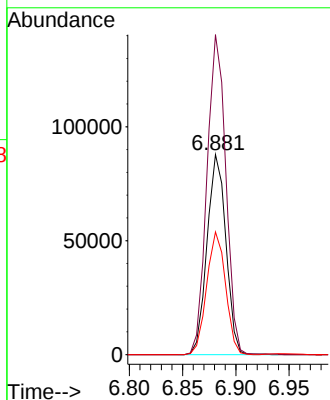
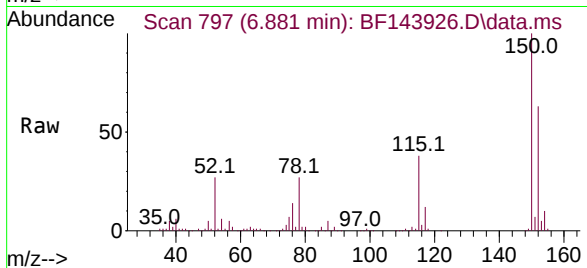




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

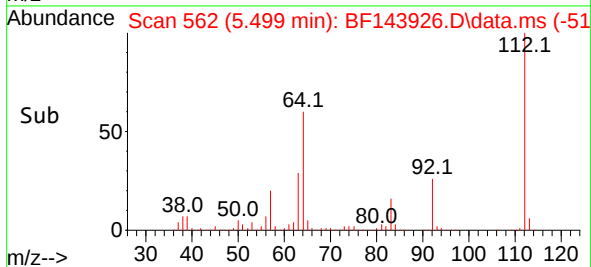
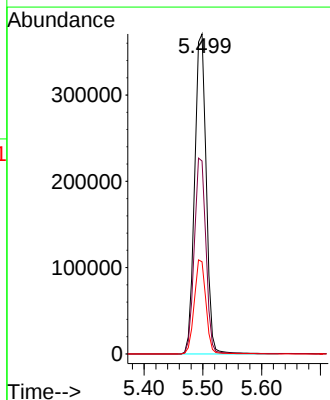
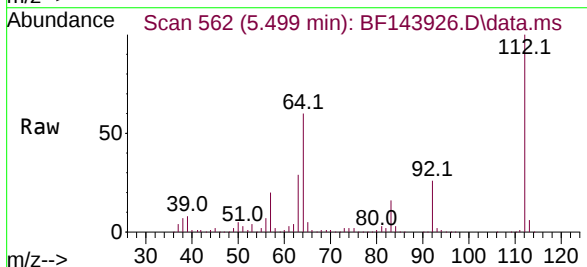
Instrument :
BNA_F
ClientSampleId :
P001-DS-01

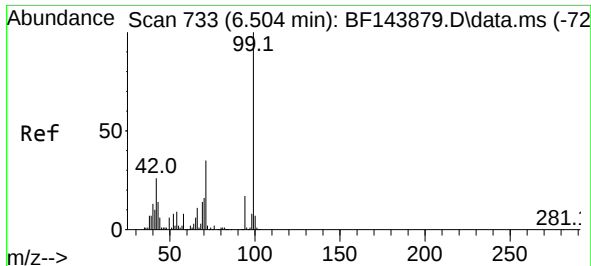
Tgt Ion:152 Resp: 108001
Ion Ratio Lower Upper
152 100
150 160.0 124.4 186.6
115 61.3 48.1 72.1



#5
2-Fluorophenol
Concen: 74.664 ng
RT: 5.499 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Tgt Ion:112 Resp: 507798
Ion Ratio Lower Upper
112 100
64 60.3 49.1 73.7
63 28.8 24.5 36.7

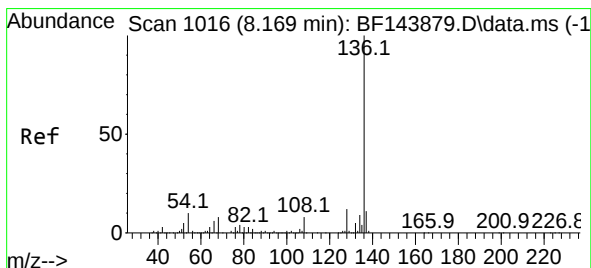
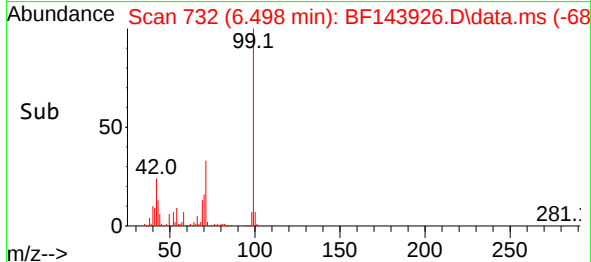
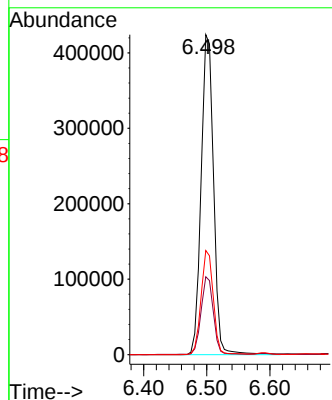
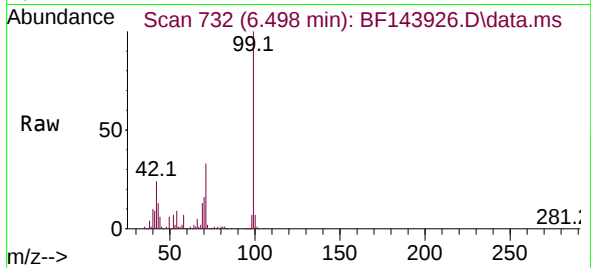




#7
Phenol-d6
Concen: 71.701 ng
RT: 6.498 min Scan# 731
Delta R.T. -0.017 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

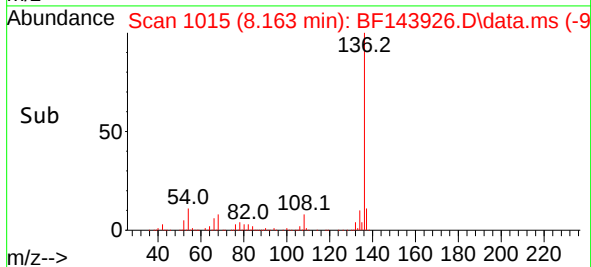
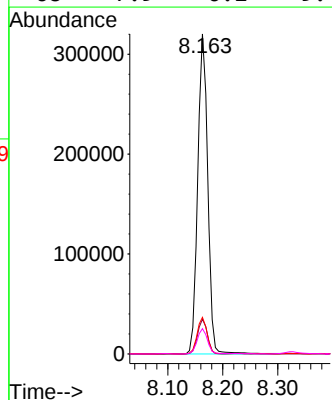
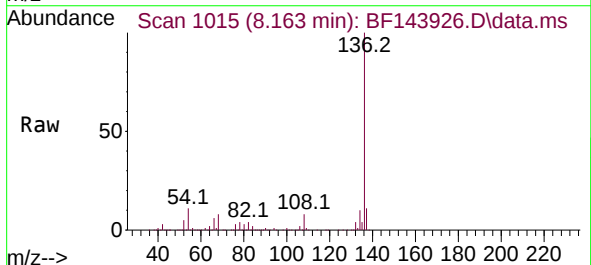
Instrument :
BNA_F
ClientSampleId :
P001-DS-01

Tgt Ion: 99 Resp: 581255
Ion Ratio Lower Upper
99 100
42 24.3 21.0 31.4
71 32.5 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Tgt Ion: 136 Resp: 403837
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 11.4 8.2 12.4
68 7.9 6.2 9.4





#23

Nitrobenzene-d5

Concen: 51.664 ng

RT: 7.440 min Scan# 893

Delta R.T. -0.017 min

Lab File: BF143926.D

Acq: 10 Oct 2025 15:51

Instrument :

BNA_F

ClientSampleId :

P001-DS-01

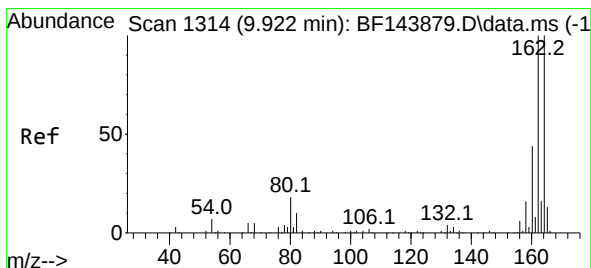
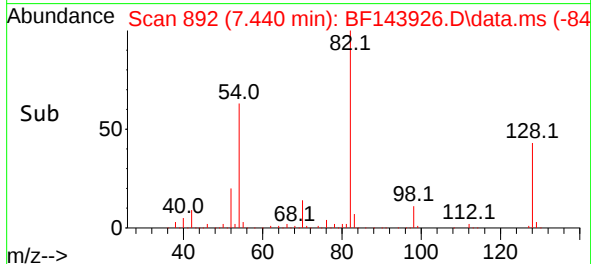
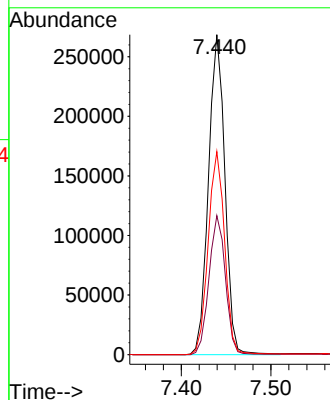
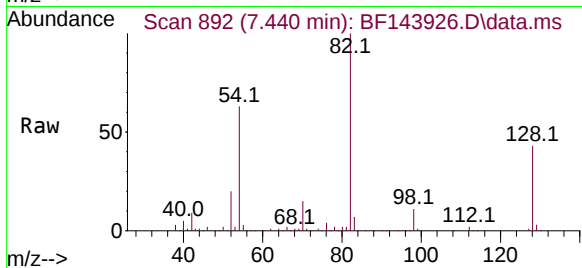
Tgt Ion: 82 Resp: 343410

Ion Ratio Lower Upper

82 100

128 43.4 34.0 51.0

54 63.4 53.2 79.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.005 min

Lab File: BF143926.D

Acq: 10 Oct 2025 15:51

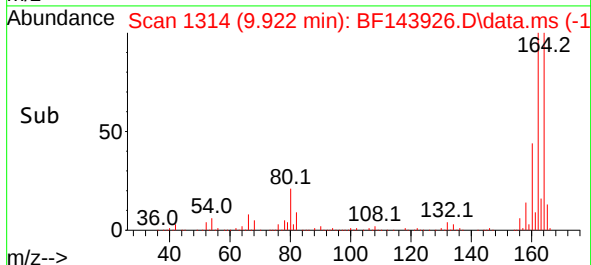
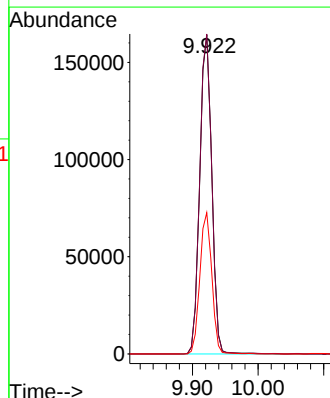
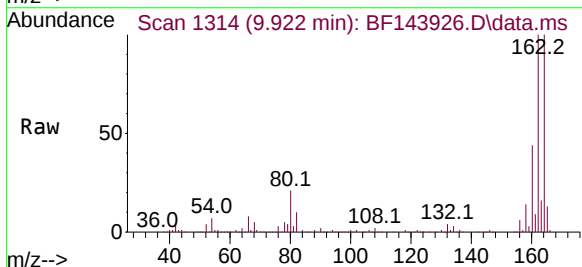
Tgt Ion:164 Resp: 207929

Ion Ratio Lower Upper

164 100

162 100.3 80.2 120.2

160 44.3 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 61.713 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF143926.D

Acq: 10 Oct 2025 15:51

Instrument :

BNA_F

ClientSampleId :

P001-DS-01

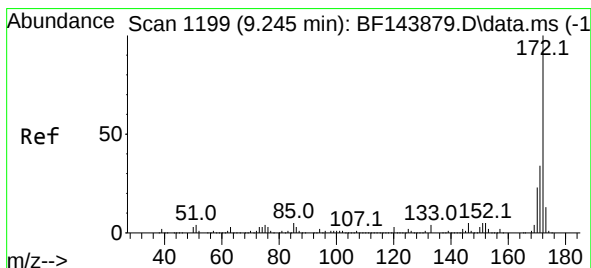
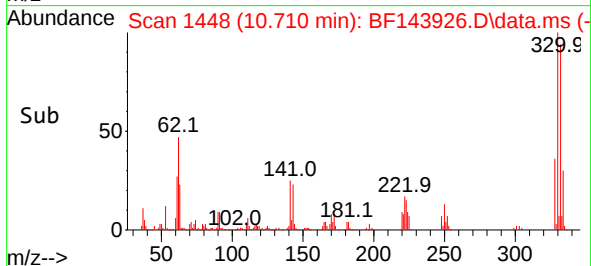
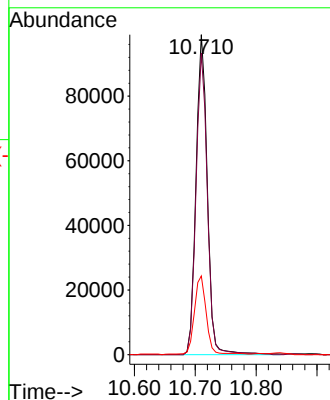
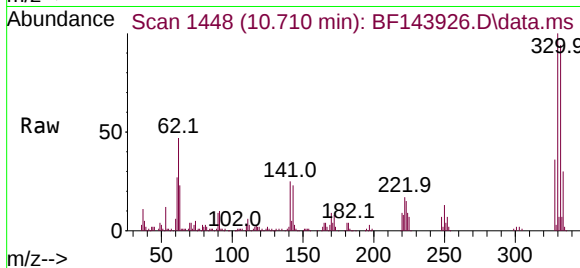
Tgt Ion:330 Resp: 127809

Ion Ratio Lower Upper

330 100

332 94.5 76.9 115.3

141 25.7 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 43.947 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF143926.D

Acq: 10 Oct 2025 15:51

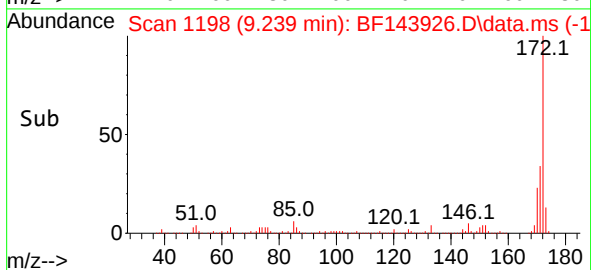
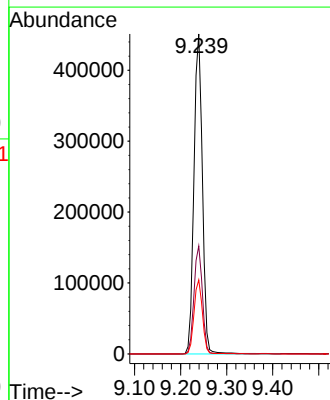
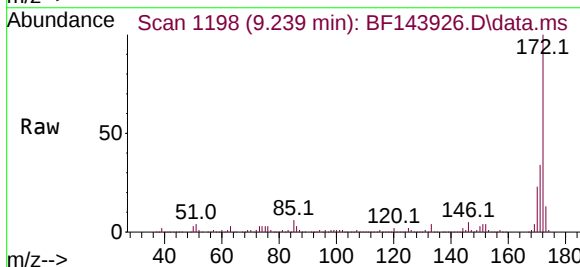
Tgt Ion:172 Resp: 575895

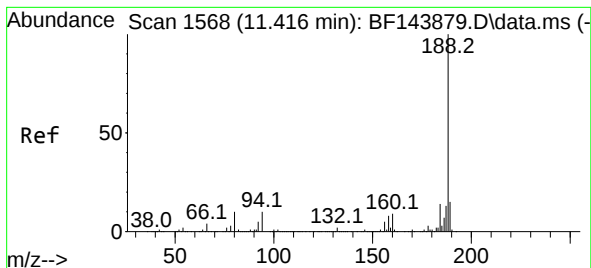
Ion Ratio Lower Upper

172 100

171 33.7 27.4 41.0

170 23.1 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1567

Delta R.T. -0.006 min

Lab File: BF143926.D

Acq: 10 Oct 2025 15:51

Instrument :

BNA_F

ClientSampleId :

P001-DS-01

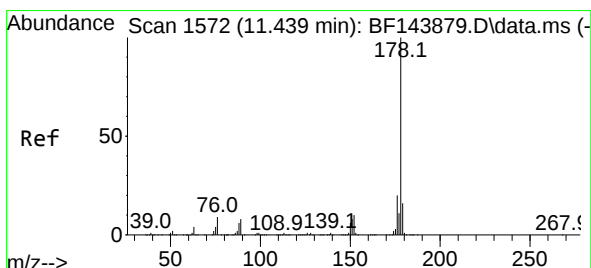
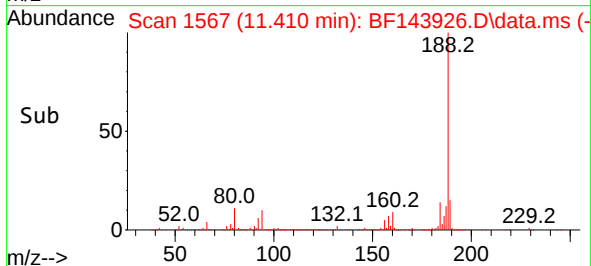
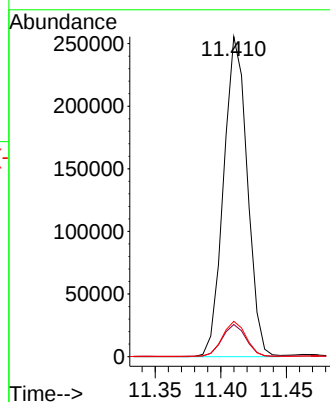
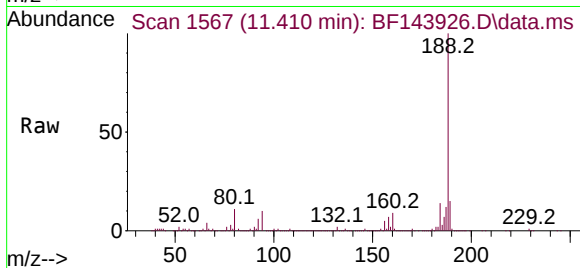
Tgt Ion:188 Resp: 321893

Ion Ratio Lower Upper

188 100

94 10.0 7.8 11.6

80 11.0 7.9 11.9



#71

Phenanthrene

Concen: 16.766 ng

RT: 11.433 min Scan# 1571

Delta R.T. -0.012 min

Lab File: BF143926.D

Acq: 10 Oct 2025 15:51

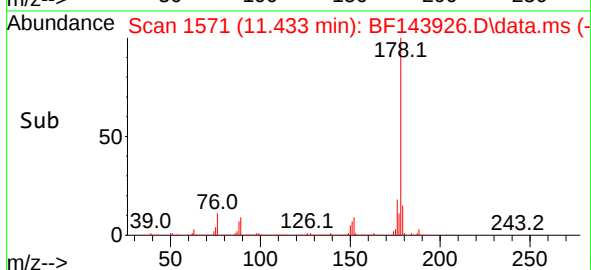
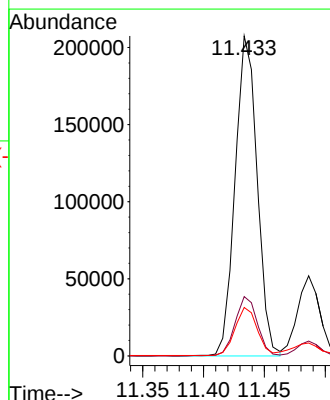
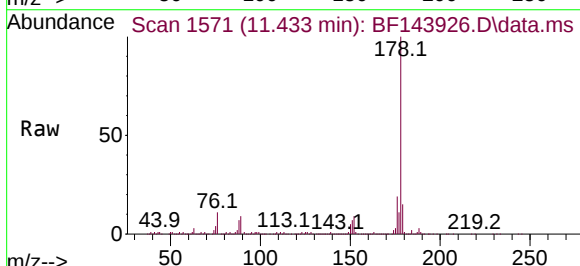
Tgt Ion:178 Resp: 261640

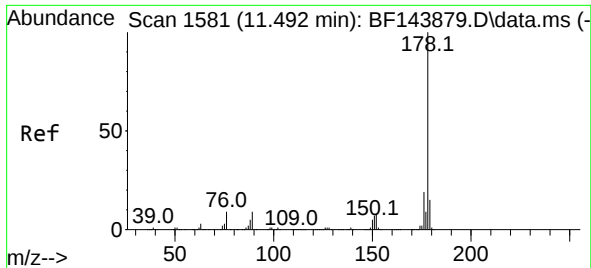
Ion Ratio Lower Upper

178 100

176 18.5 15.9 23.9

179 15.1 12.4 18.6

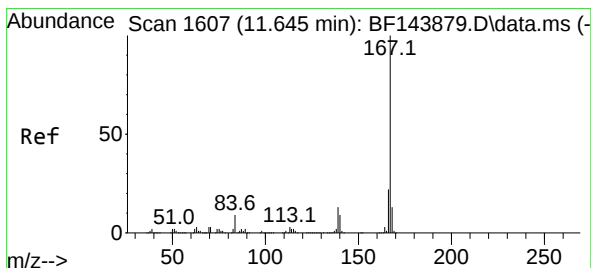
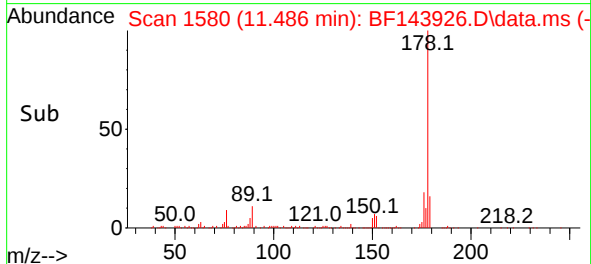
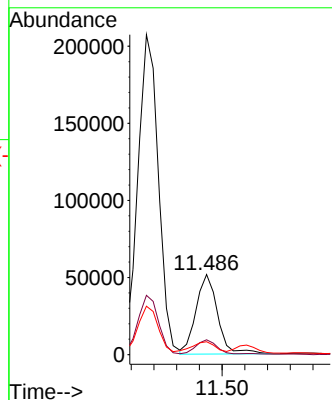
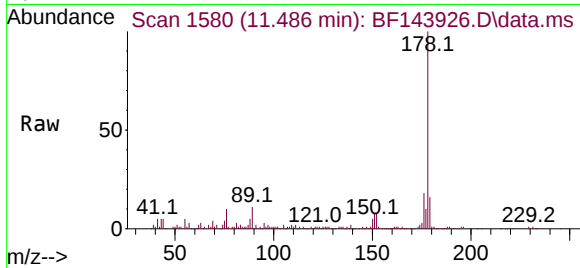




#72
 Anthracene
 Concen: 4.321 ng
 RT: 11.486 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF143926.D
 Acq: 10 Oct 2025 15:51

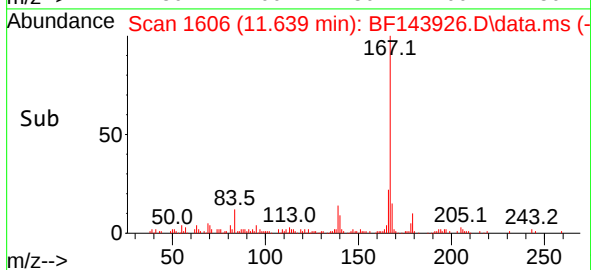
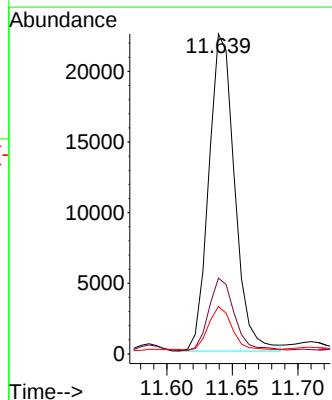
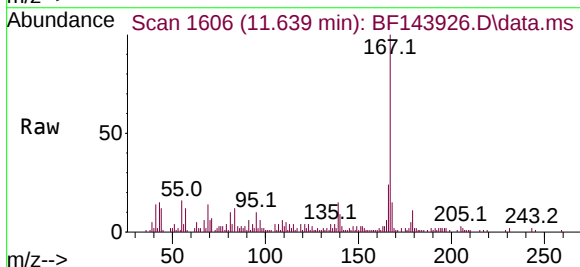
Instrument :
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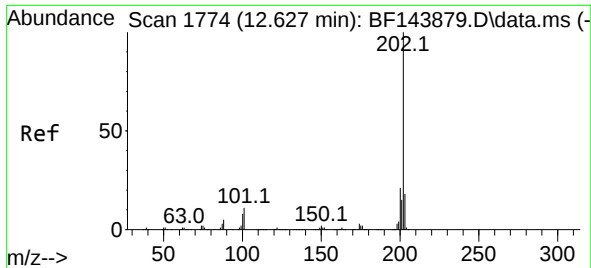
Tgt Ion:	178	Resp:	68115
Ion Ratio	Lower	Upper	
178	100		
176	18.5	14.9	22.3
179	16.1	12.2	18.2



#73
 Carbazole
 Concen: 2.207 ng
 RT: 11.639 min Scan# 1606
 Delta R.T. -0.012 min
 Lab File: BF143926.D
 Acq: 10 Oct 2025 15:51

Tgt Ion:	167	Resp:	30822
Ion Ratio	Lower	Upper	
167	100		
166	23.7	17.2	25.8
139	14.8	10.1	15.1

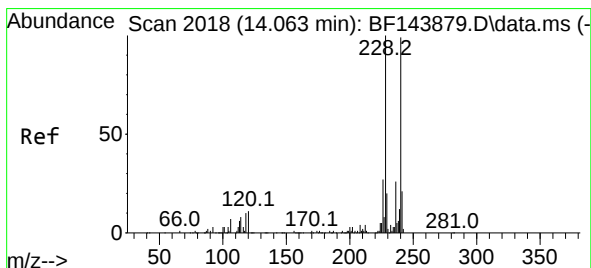
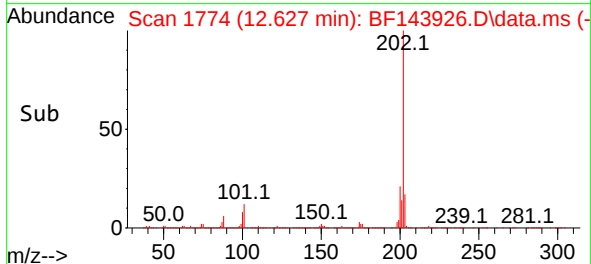
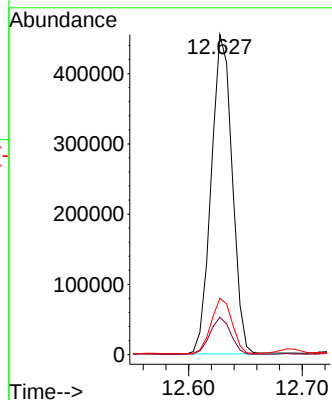
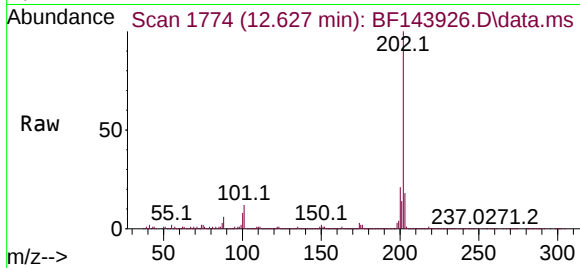




#75
Fluoranthene
Concen: 36.248 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

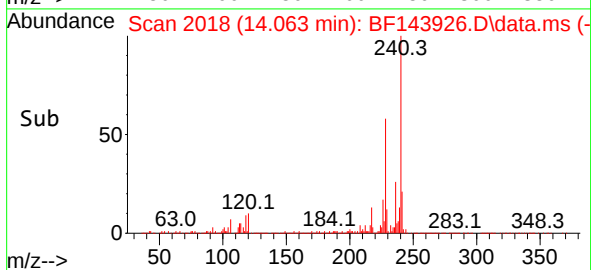
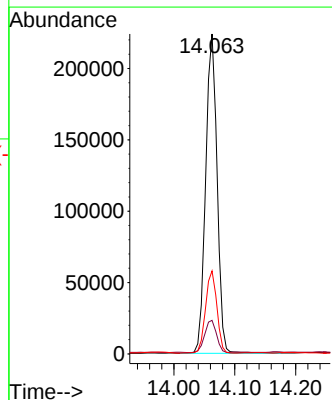
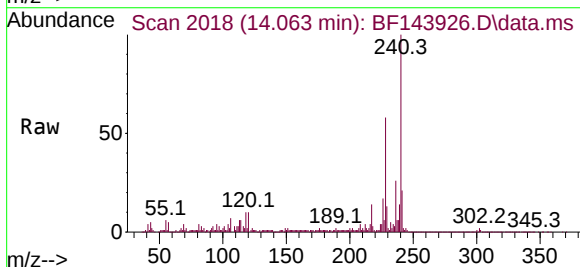
Instrument :
BNA_F
ClientSampleId :
P001-DS-01

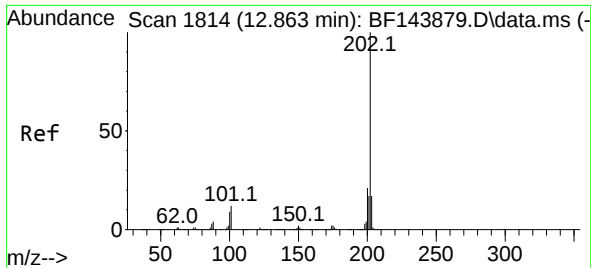
Tgt Ion:202 Resp: 584300
Ion Ratio Lower Upper
202 100
101 11.7 0.0 30.7
203 17.6 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 1818
Delta R.T. -0.005 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Tgt Ion:240 Resp: 291502
Ion Ratio Lower Upper
240 100
120 10.5 8.6 13.0
236 25.9 21.1 31.7

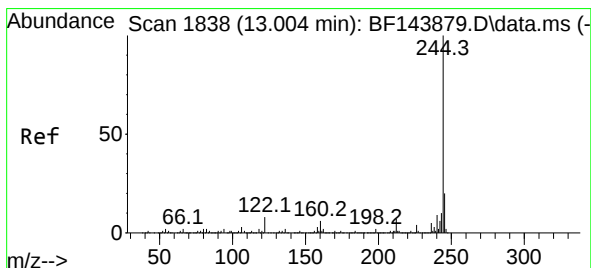
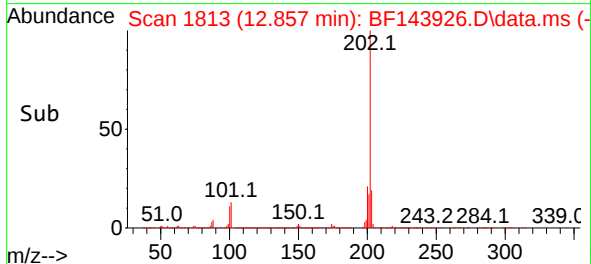
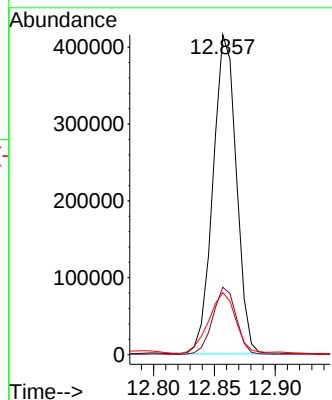
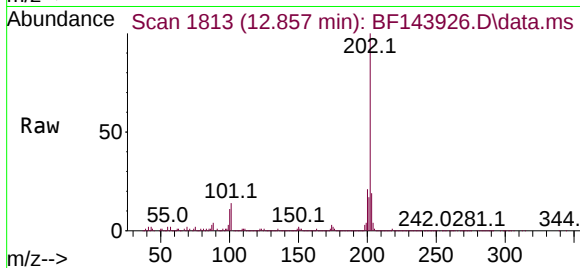




#78
 Pyrene
 Concen: 22.785 ng
 RT: 12.857 min Scan# 1813
 Delta R.T. -0.006 min
 Lab File: BF143926.D
 Acq: 10 Oct 2025 15:51

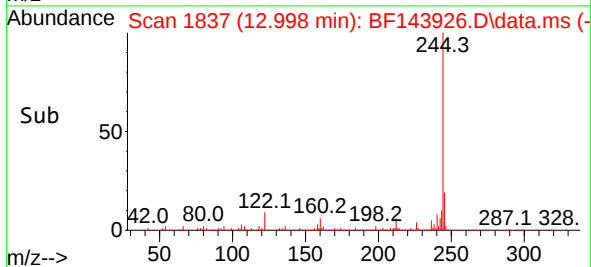
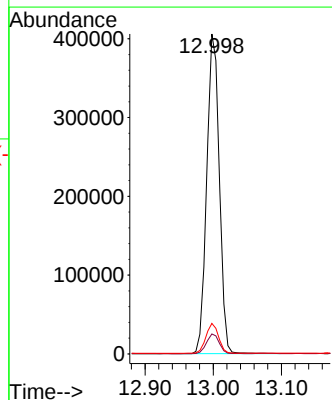
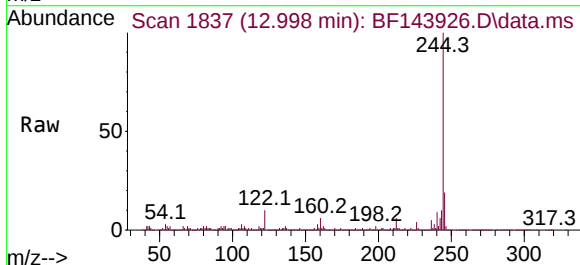
Instrument :
 BNA_F
 ClientSampleId :
 P001-DS-01

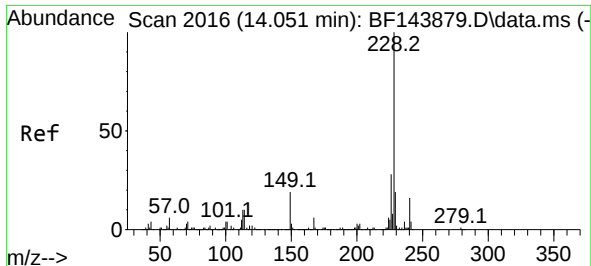
Tgt Ion:202	Resp:	553727
Ion Ratio	Lower	Upper
202	100	
200	21.0	17.0 25.6
203	19.4	13.8 20.6



#79
 Terphenyl-d14
 Concen: 30.560 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. -0.012 min
 Lab File: BF143926.D
 Acq: 10 Oct 2025 15:51

Tgt Ion:244	Resp:	521233
Ion Ratio	Lower	Upper
244	100	
212	6.2	5.4 8.0
122	9.5	6.4 9.6

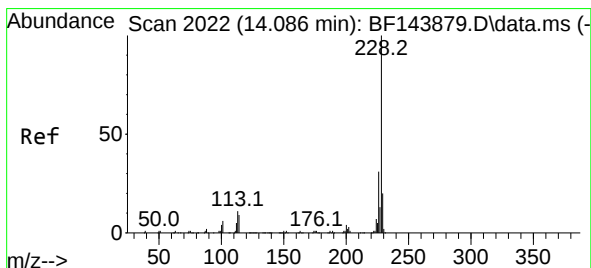
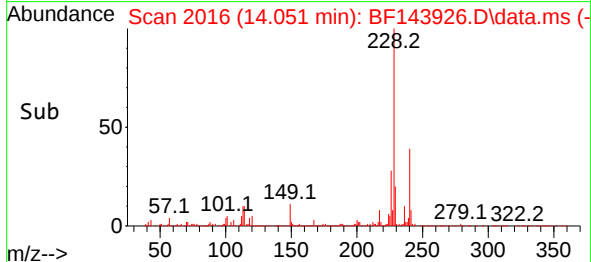
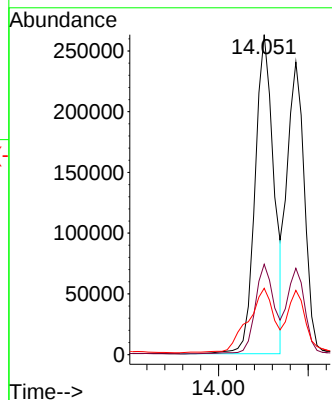
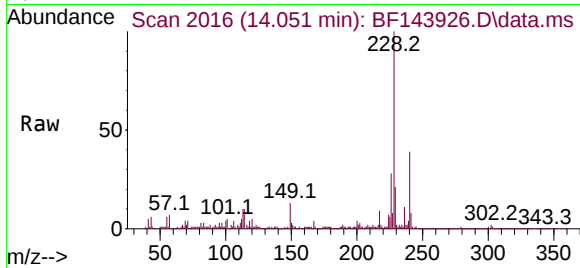




#81
Benzo(a)anthracene
Concen: 20.177 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

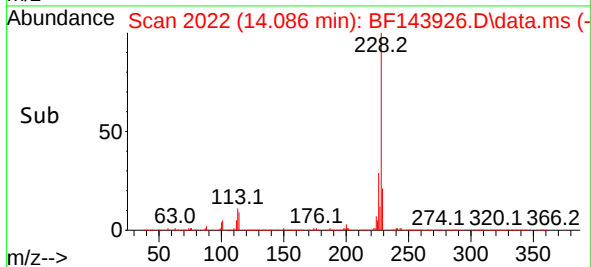
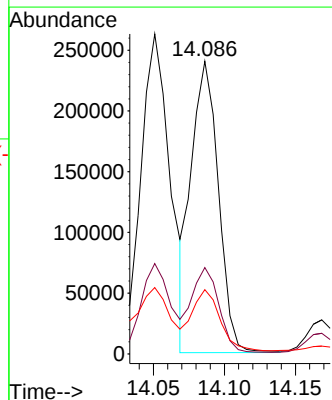
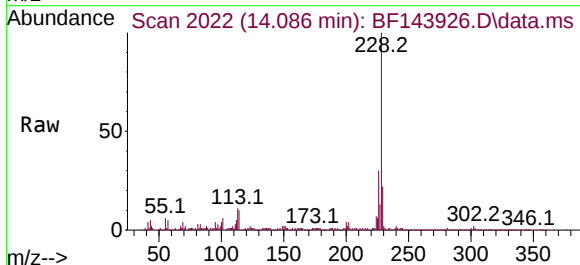
Instrument :
BNA_F
ClientSampleId :
P001-DS-01

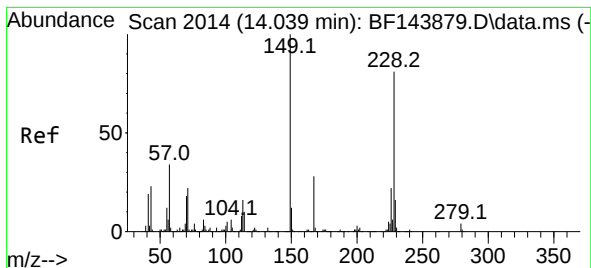
Tgt Ion:228 Resp: 384901
Ion Ratio Lower Upper
228 100
226 28.2 22.2 33.2
229 20.7 15.6 23.4



#83
Chrysene
Concen: 18.099 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Tgt Ion:228 Resp: 319540
Ion Ratio Lower Upper
228 100
226 29.5 24.4 36.6
229 21.9 15.9 23.9

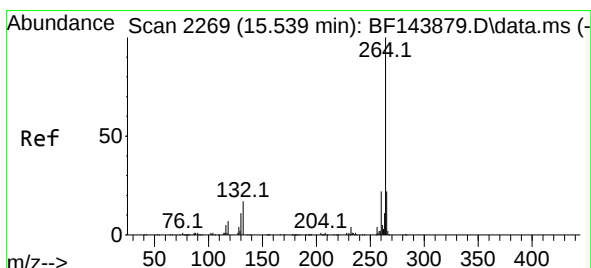
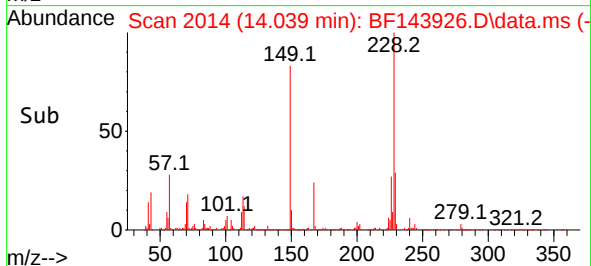
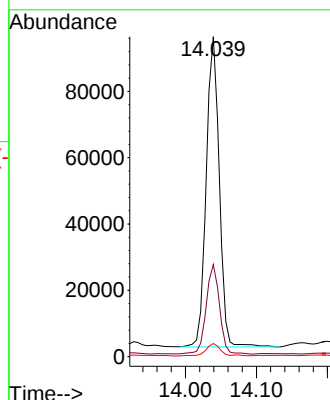
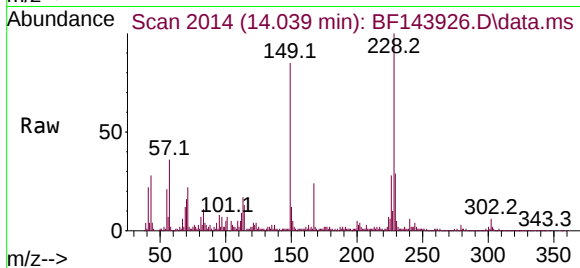




#84
Bis(2-ethylhexyl)phthalate
Concen: 12.507 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

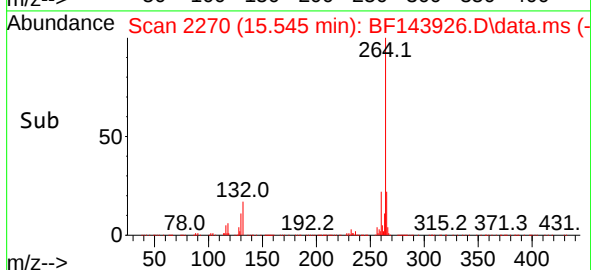
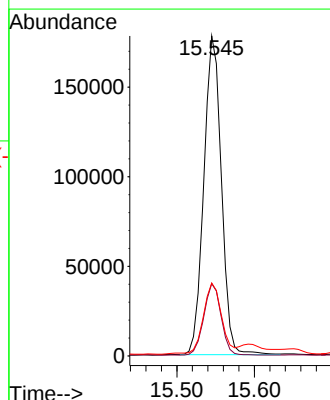
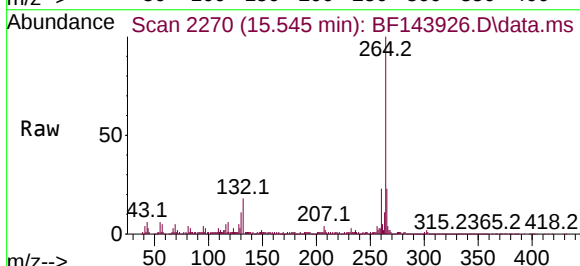
Instrument :
BNA_F
ClientSampleId :
P001-DS-01

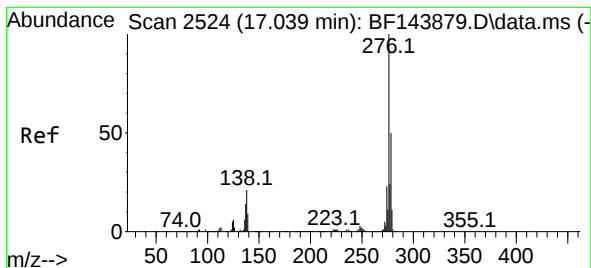
Tgt Ion:149 Resp: 118990
Ion Ratio Lower Upper
149 100
167 28.8 22.2 33.4
279 4.1 3.1 4.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Tgt Ion:264 Resp: 280555
Ion Ratio Lower Upper
264 100
260 22.6 17.8 26.8
265 22.8 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.019 ng

RT: 17.039 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF143926.D

Acq: 10 Oct 2025 15:51

Instrument :

BNA_F

ClientSampleId :

P001-DS-01

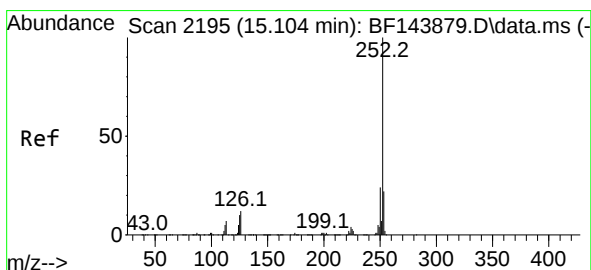
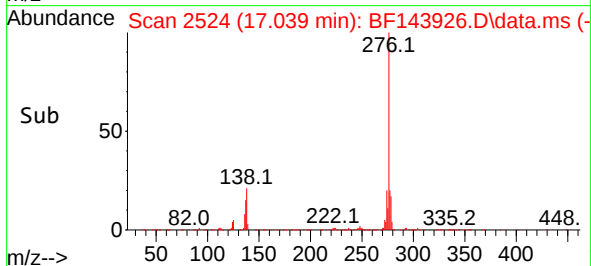
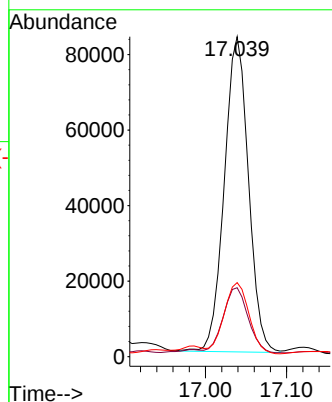
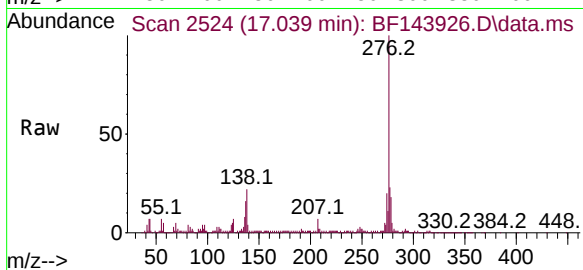
Tgt Ion:276 Resp: 172242

Ion Ratio Lower Upper

276 100

138 21.4 18.2 27.2

277 23.5 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 29.466 ng m

RT: 15.116 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BF143926.D

Acq: 10 Oct 2025 15:51

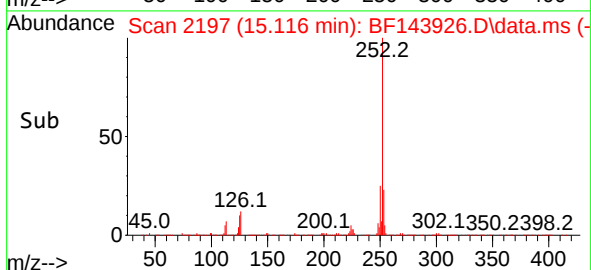
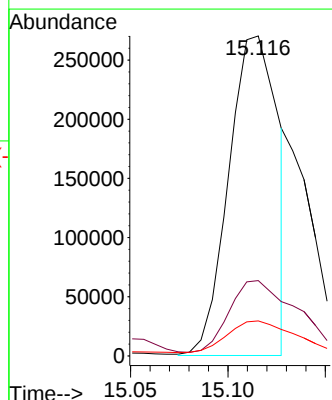
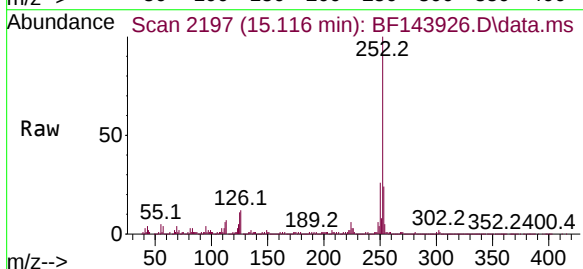
Tgt Ion:252 Resp: 474866

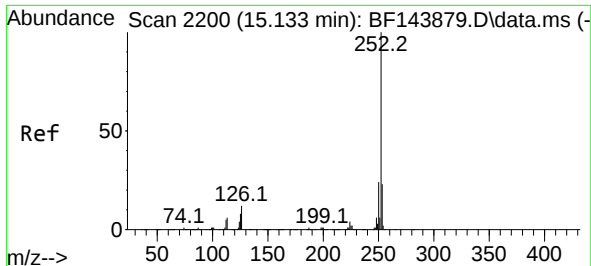
Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.2

125 11.0 7.8 11.6

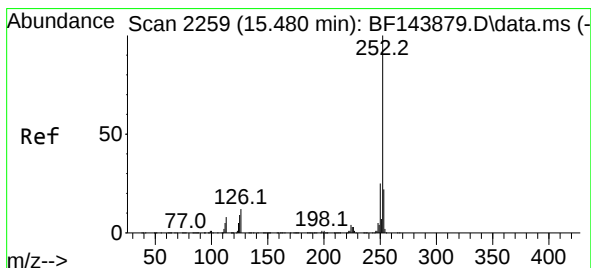
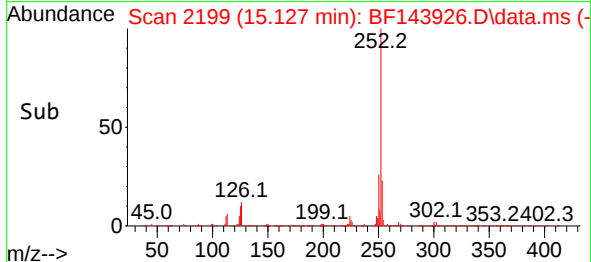
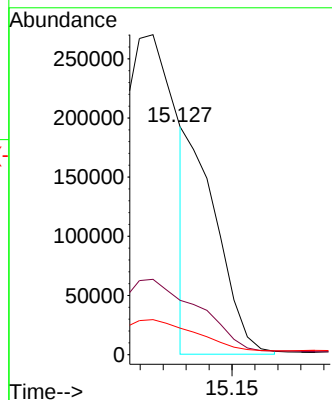
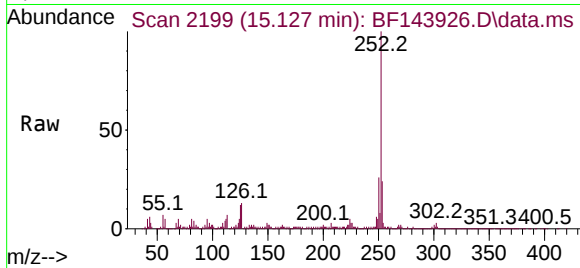




#89
Benzo(k)fluoranthene
Concen: 11.565 ng m
RT: 15.127 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

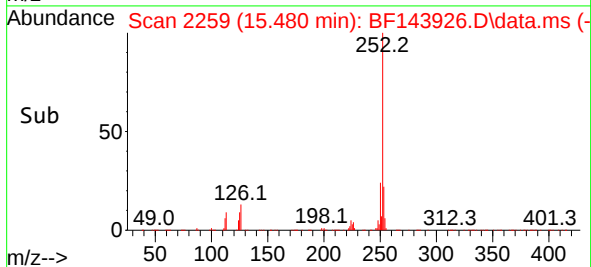
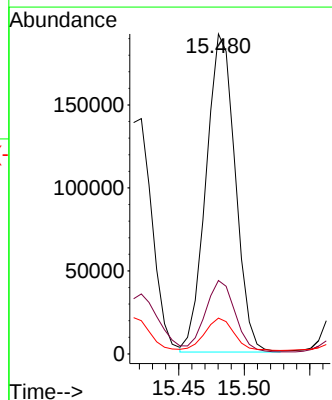
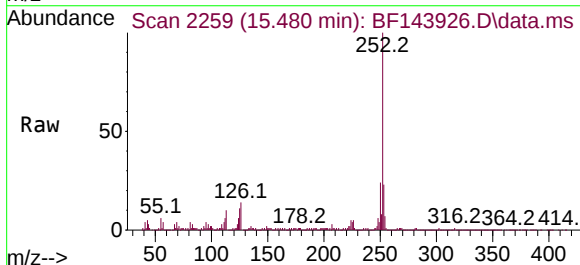
Instrument :
BNA_F
ClientSampleId :
P001-DS-01

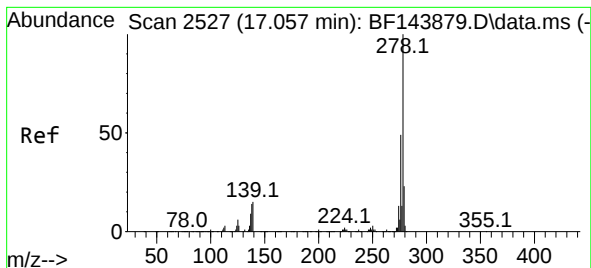
Tgt Ion:252 Resp: 172469
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.8
125 11.6 7.4 11.2#



#90
Benzo(a)pyrene
Concen: 21.239 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Tgt Ion:252 Resp: 296801
Ion Ratio Lower Upper
252 100
253 22.9 17.3 25.9
125 11.2 7.0 10.4#





#91

Dibenzo(a,h)anthracene

Concen: 2.871 ng

RT: 17.045 min Scan# 2525

Delta R.T. -0.035 min

Lab File: BF143926.D

Acq: 10 Oct 2025 15:51

Instrument :

BNA_F

ClientSampleId :

P001-DS-01

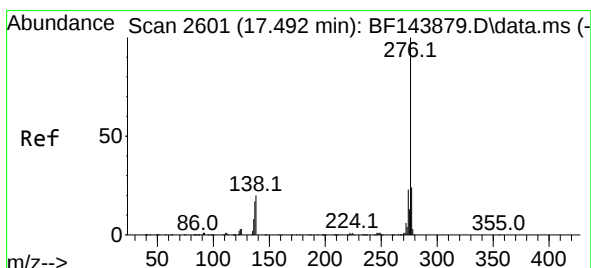
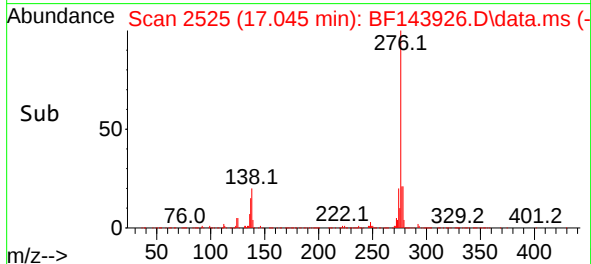
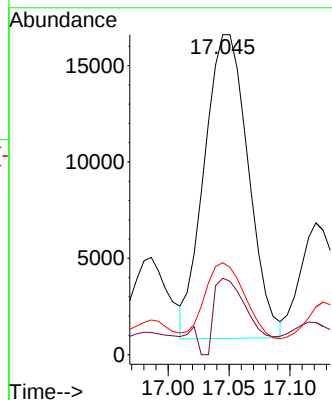
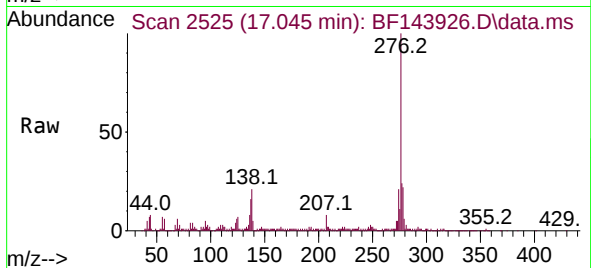
Tgt Ion:278 Resp: 39701

Ion Ratio Lower Upper

278 100

139 23.9 11.7 17.5#

279 28.7 18.4 27.6#



#92

Benzo(g,h,i)perylene

Concen: 11.511 ng

RT: 17.492 min Scan# 2601

Delta R.T. -0.023 min

Lab File: BF143926.D

Acq: 10 Oct 2025 15:51

Tgt Ion:276 Resp: 159145

Ion Ratio Lower Upper

276 100

277 24.6 19.0 28.6

138 24.5 16.1 24.1#

