

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)

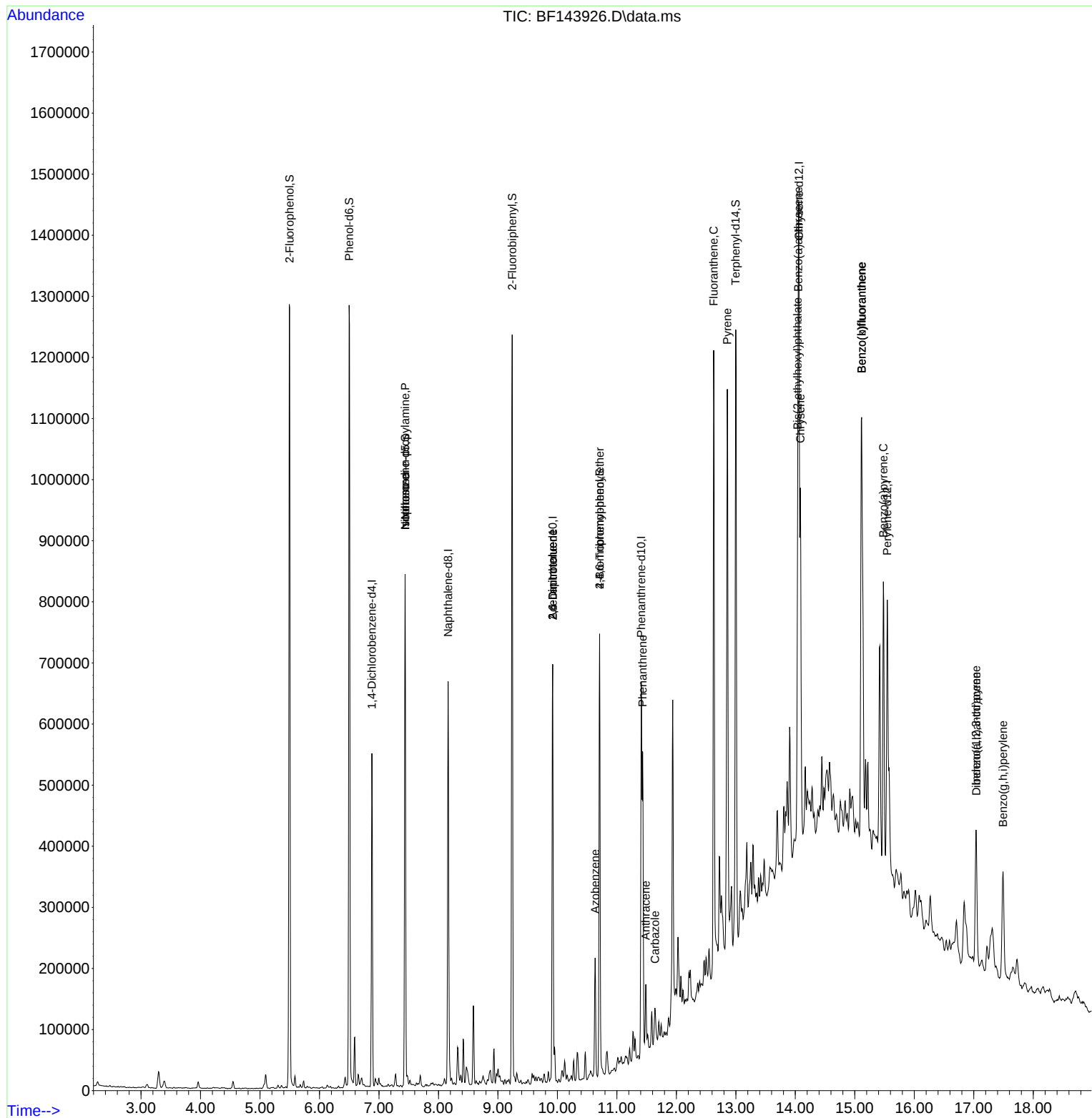
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	108001	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	403837	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	207929	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	321893	20.000	ng	0.00
76) Chrysene-d12	14.063	240	291502	20.000	ng	0.00
86) Perylene-d12	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
19) n-Nitroso-di-n-propyla...	7.440	70	50203	9.047	ng	# 78
25) Isophorone	7.440	82	290653	20.738	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	27411	11.195	ng	# 26
57) 2,4-Dinitrotoluene	9.922	165	27411	8.228	ng	# 26
63) Azobenzene	10.633	77	47426	3.699	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	8298	2.333	ng	# 1
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	642498	39.867	ng	96
89) Benzo(k)fluoranthene	15.116	252	642498	43.085	ng	97
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

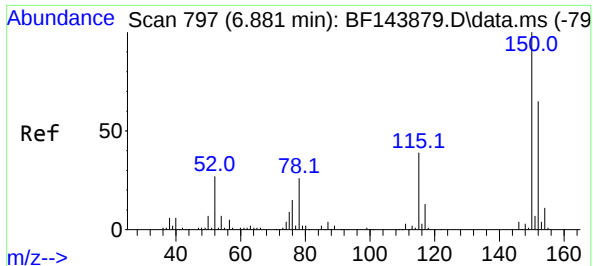
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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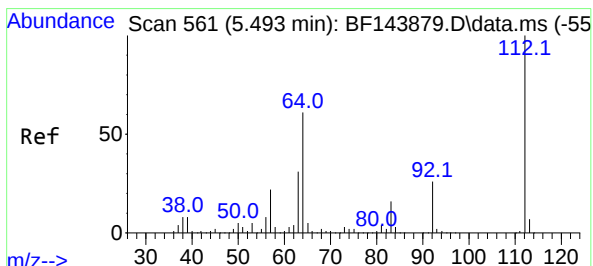
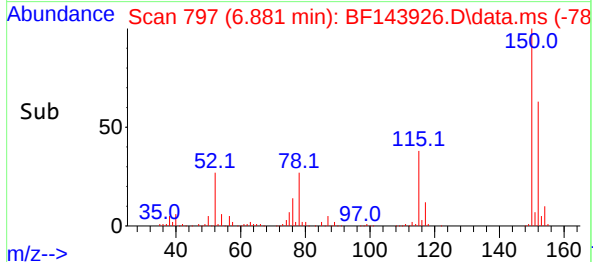
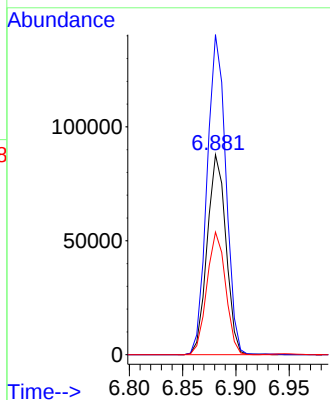
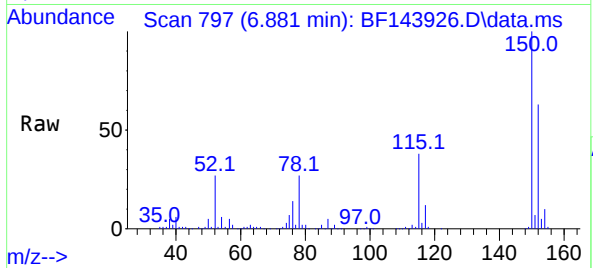




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

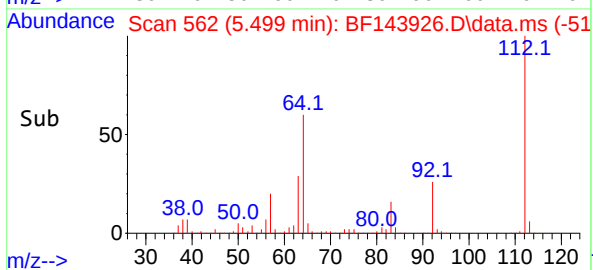
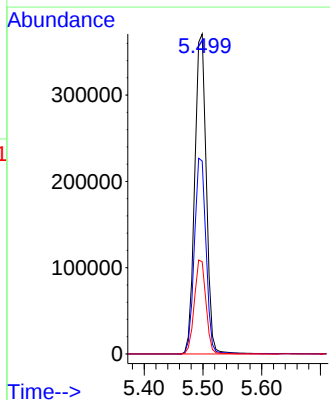
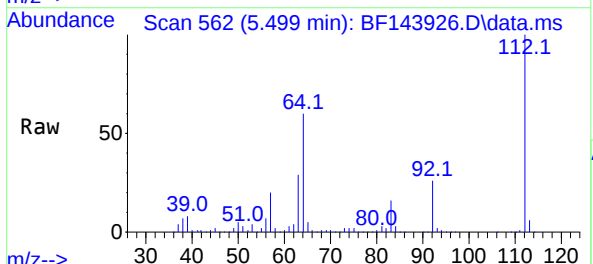
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BNA_F
ClientSampleId :
P001-DS-01

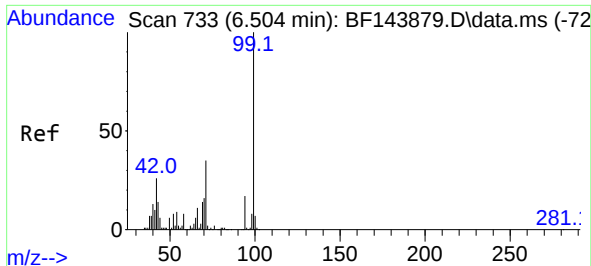
Tgt Ion:152 Resp: 108001
Ion Ratio Lower Upper
152 100
150 160.0 124.4 186.6
115 61.3 48.1 72.1



#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

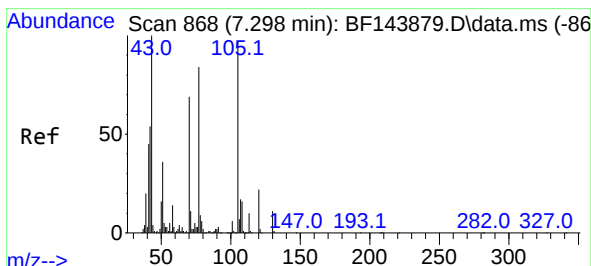
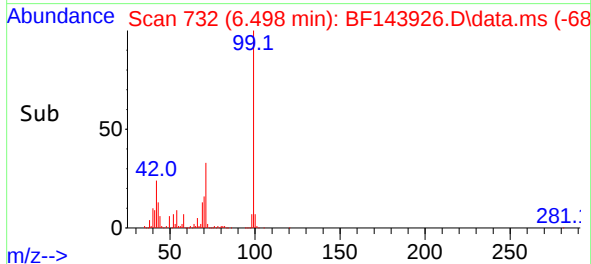
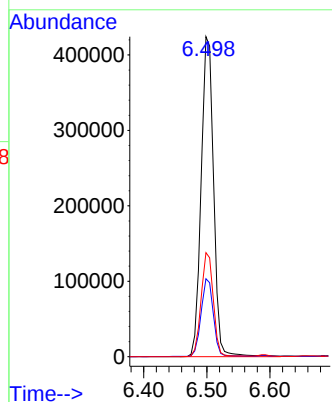
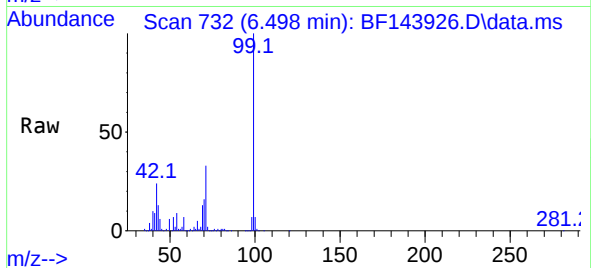




#7
Phenol-d6
Concen: 71.701 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

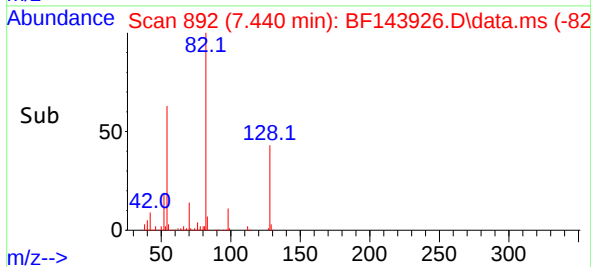
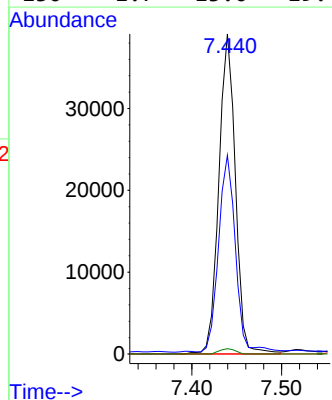
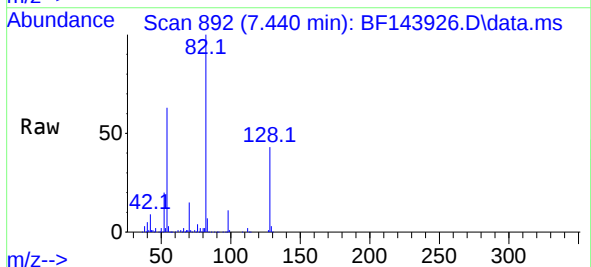
Instrument :
BNA_F
ClientSampleId :
P001-DS-01

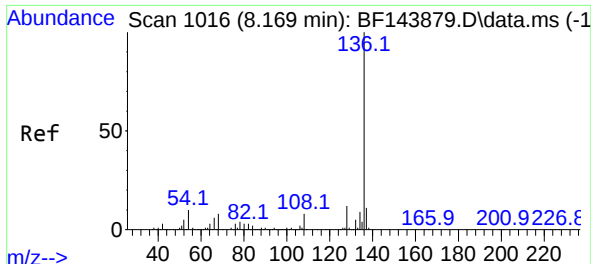
Tgt Ion: 99 Resp: 581255
Ion Ratio Lower Upper
99 100
42 24.3 21.0 31.4
71 32.5 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.047 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Tgt Ion: 70 Resp: 50203
Ion Ratio Lower Upper
70 100
42 62.1 62.8 94.2#
101 0.0 6.7 10.1#
130 1.7 13.0 19.4#



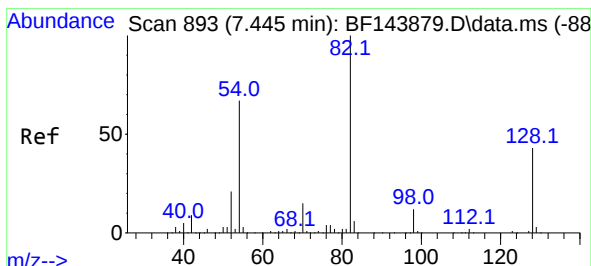
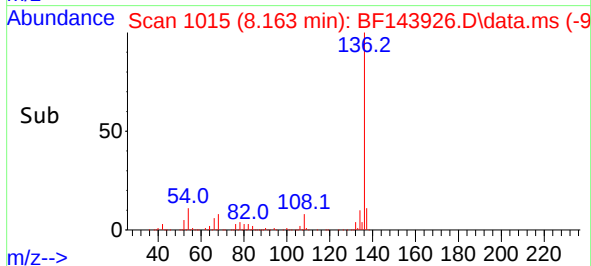
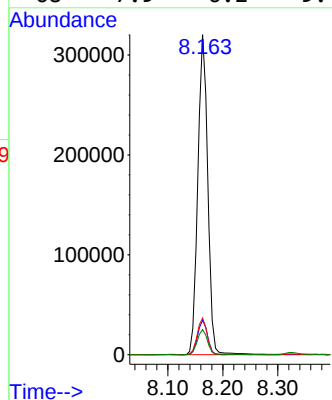
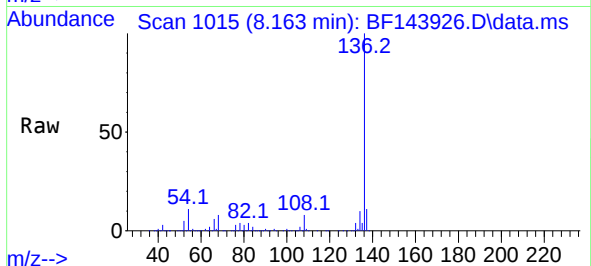


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Instrument :
BNA_F
ClientSampleId :
P001-DS-01

Tgt Ion:136 Resp: 403837

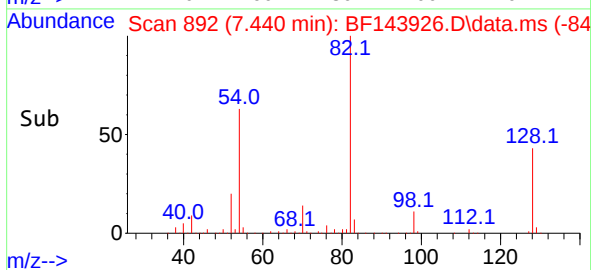
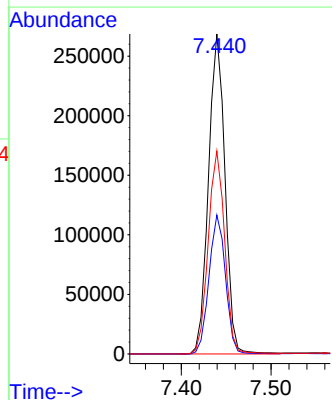
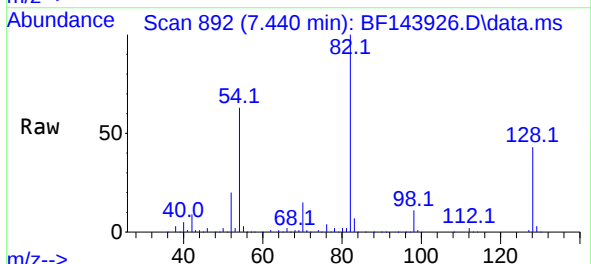
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	11.4	8.2	12.4
68	7.9	6.2	9.4

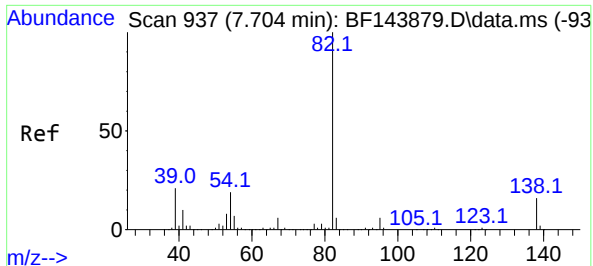


#23
Nitrobenzene-d5
Concen: 51.664 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.017 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

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

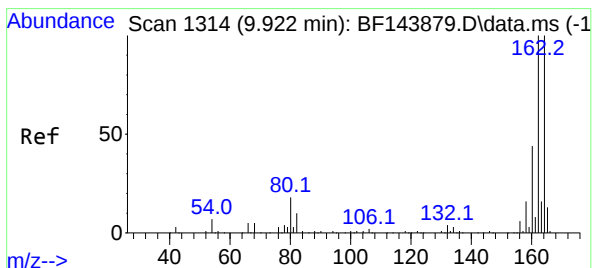
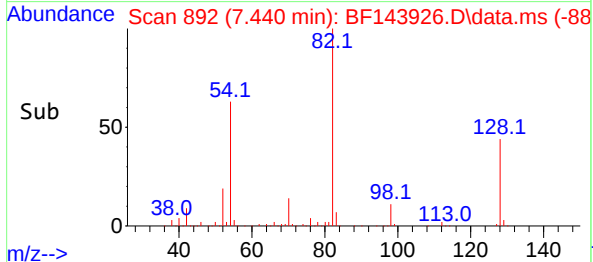
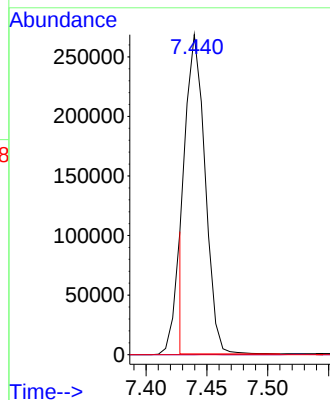
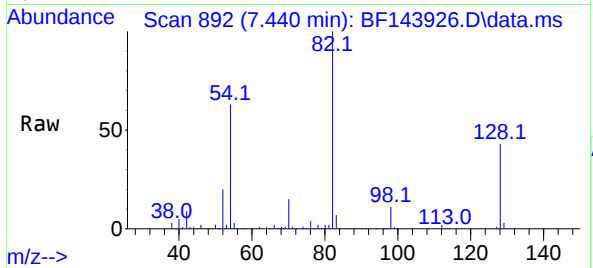




#25
Isophorone
Concen: 20.738 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.282 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

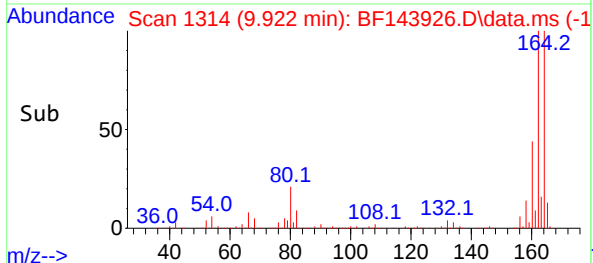
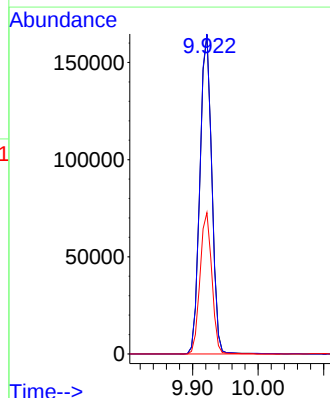
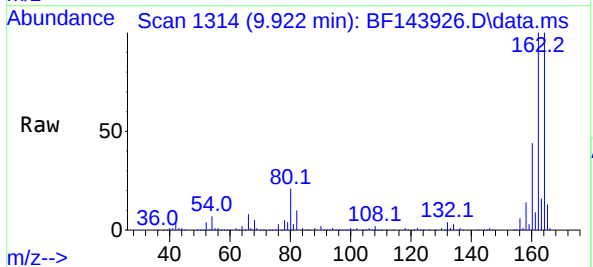
Instrument :
BNA_F
ClientSampleId :
P001-DS-01

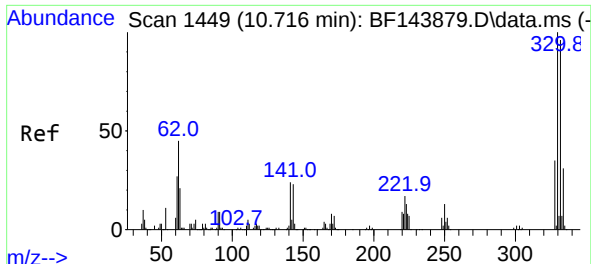
Tgt Ion: 82 Resp: 290653
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.9 19.3#



#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

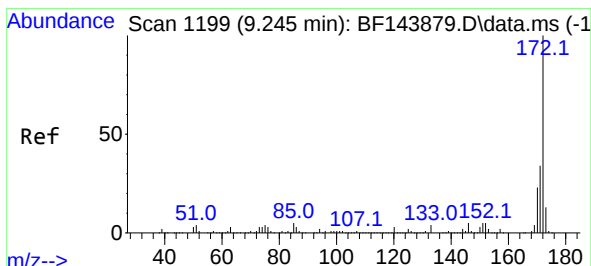
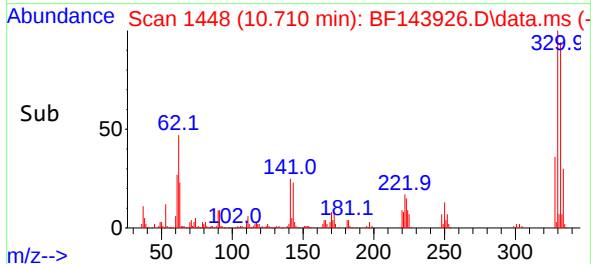
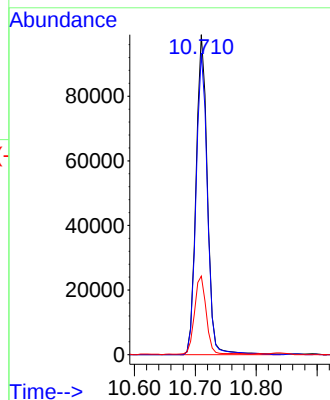
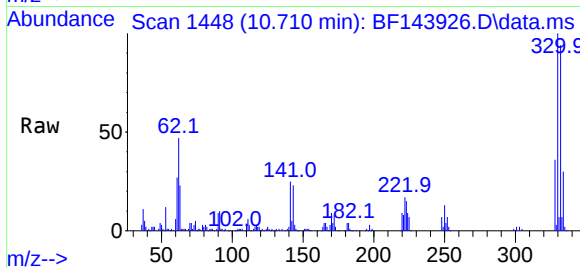
Tgt Ion:330 Resp: 127809

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

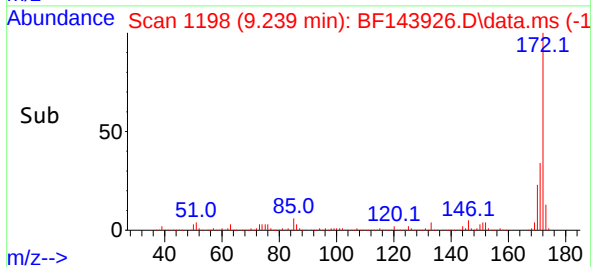
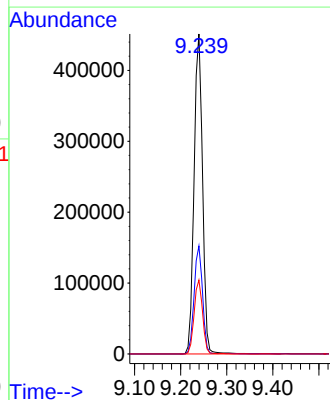
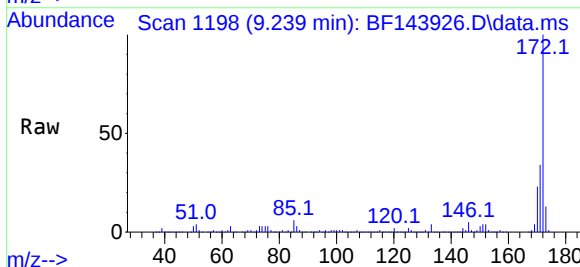
Tgt Ion:172 Resp: 575895

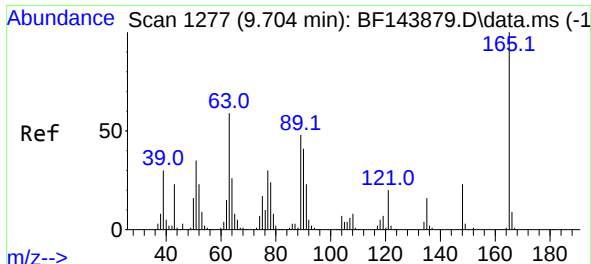
Ion Ratio Lower Upper

172 100

171 33.7 27.4 41.0

170 23.1 18.6 28.0

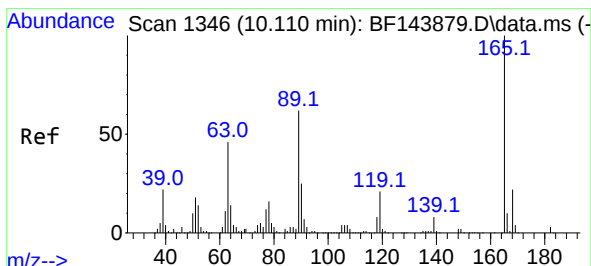
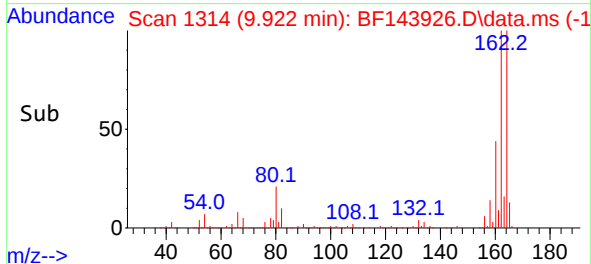
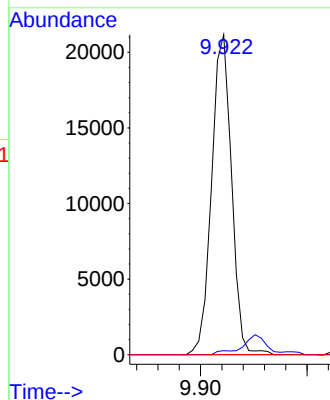
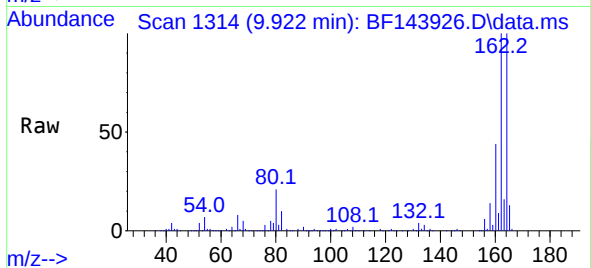




#51
2,6-Dinitrotoluene
Concen: 11.195 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

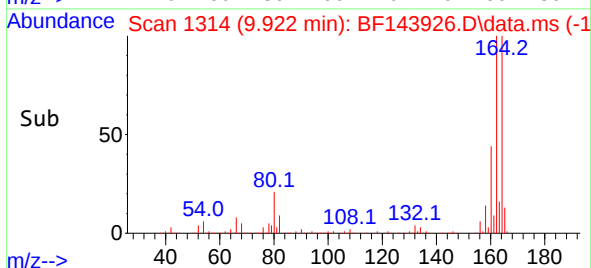
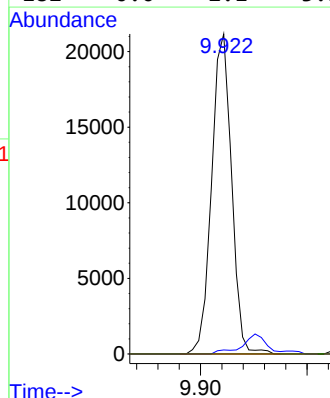
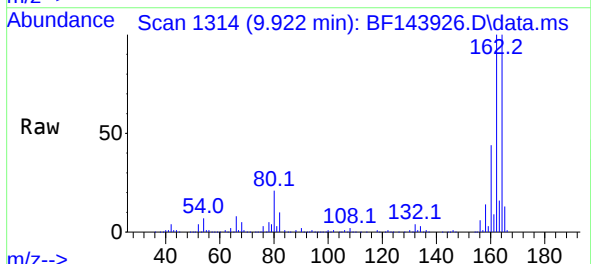
Instrument :
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P001-DS-01

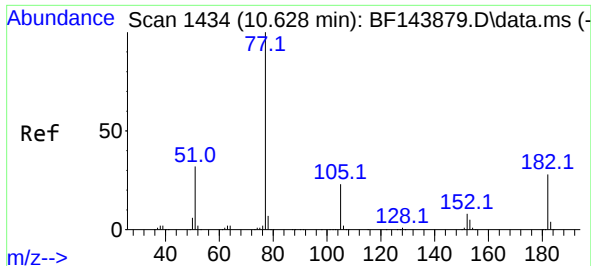
Tgt Ion:165 Resp: 27411
Ion Ratio Lower Upper
165 100
63 1.2 47.3 70.9#
89 0.0 38.2 57.4#



#57
2,4-Dinitrotoluene
Concen: 8.228 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.194 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Tgt Ion:165 Resp: 27411
Ion Ratio Lower Upper
165 100
63 1.2 37.2 55.8#
89 0.0 49.4 74.2#
182 0.0 2.1 3.1#

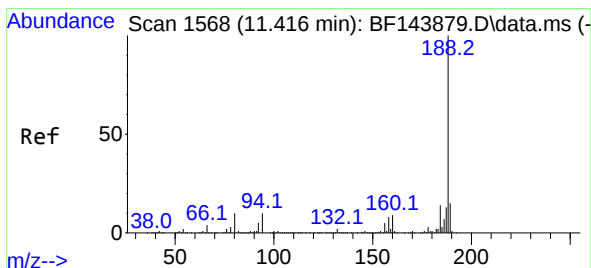
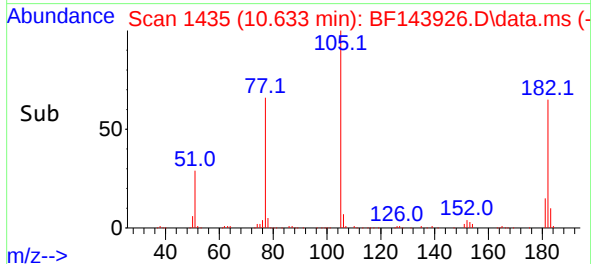
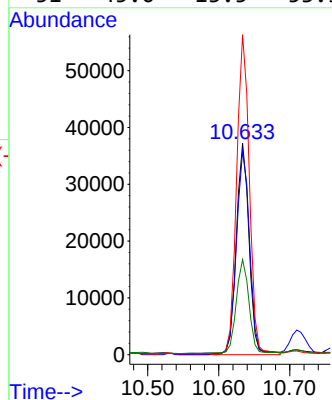
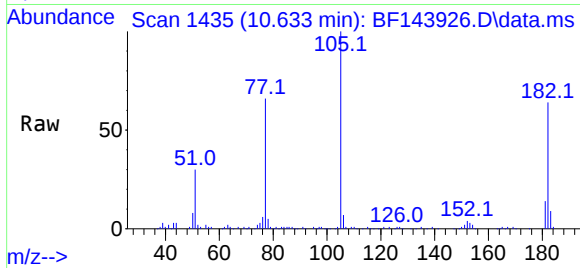




#63
Azobenzene
Concen: 3.699 ng
RT: 10.633 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

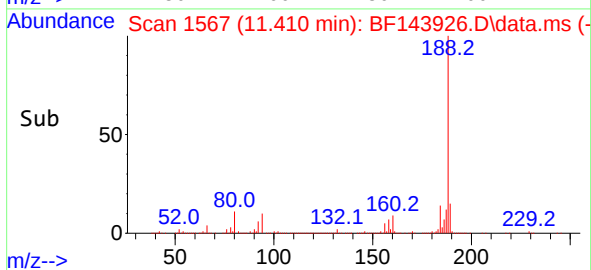
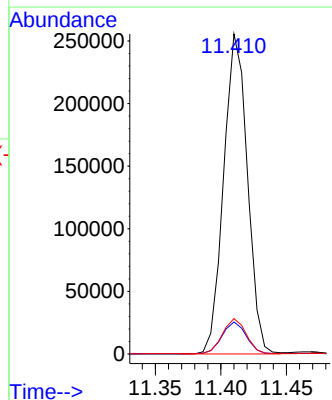
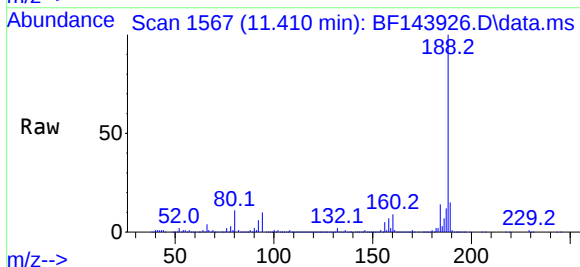
Instrument :
BNA_F
ClientSampleId :
P001-DS-01

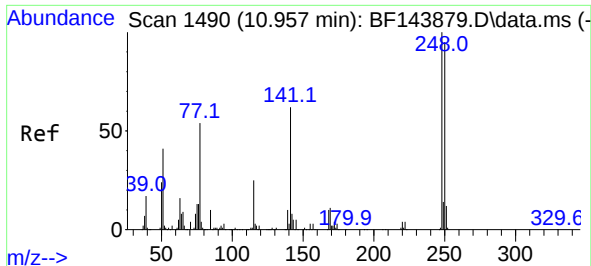
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Ion Ratio Lower Upper
77 100
182 96.4 7.3 47.3#
105 151.5 3.0 43.0#
51 45.0 13.5 53.5



#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

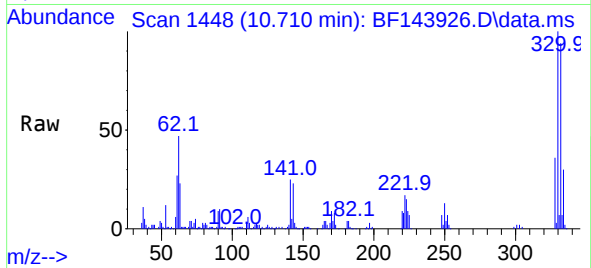
Tgt Ion:188 Resp: 321893
Ion Ratio Lower Upper
188 100
94 10.0 7.8 11.6
80 11.0 7.9 11.9



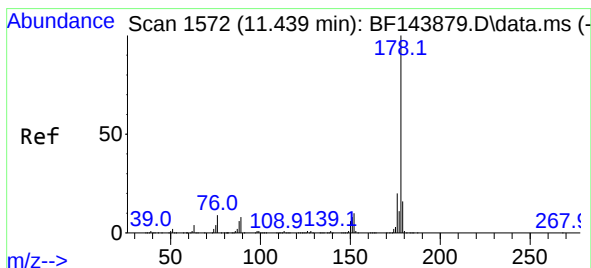
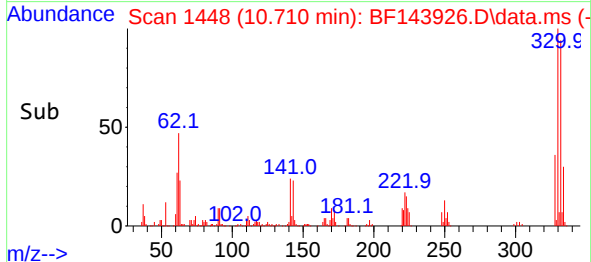
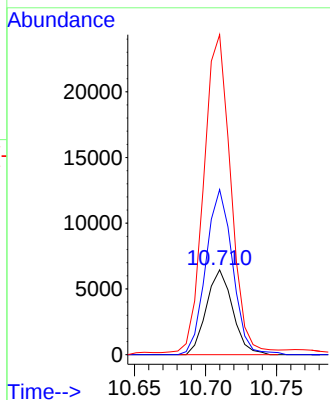


#67
4-Bromophenyl-phenylether
Concen: 2.333 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.253 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Instrument :
BNA_F
ClientSampleId :
P001-DS-01

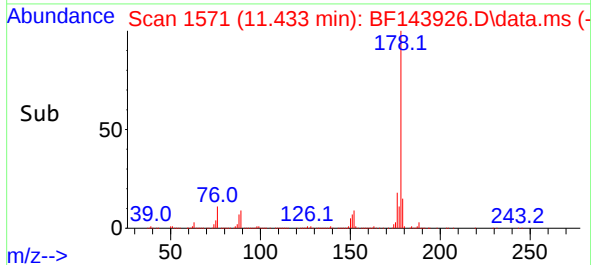
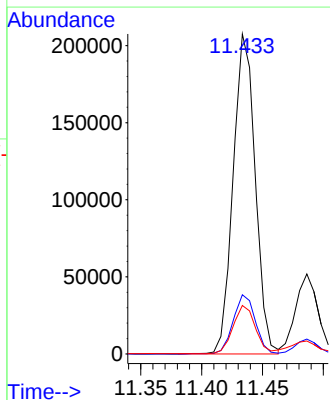
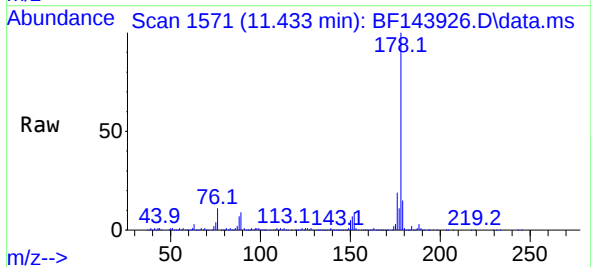


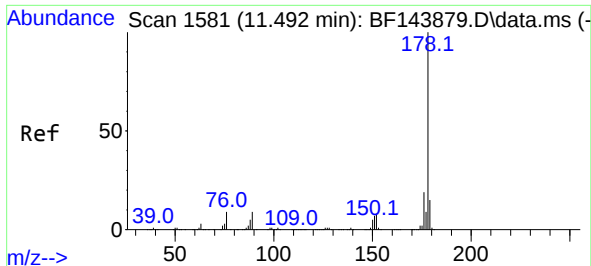
Tgt Ion:248 Resp: 8298
Ion Ratio Lower Upper
248 100
250 194.8 76.3 114.5#
141 377.5 49.7 74.5#



#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

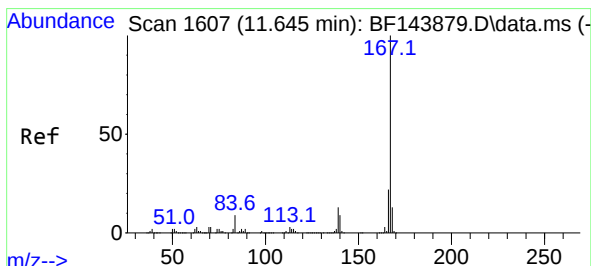
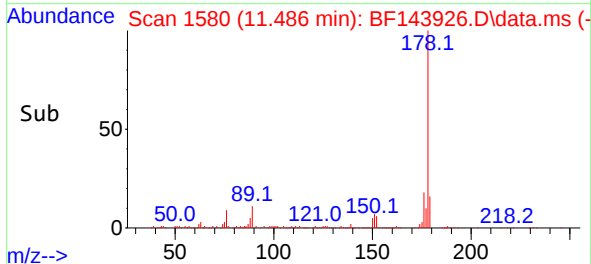
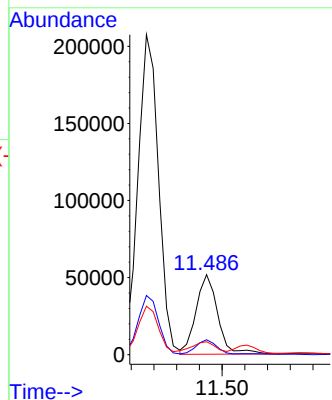
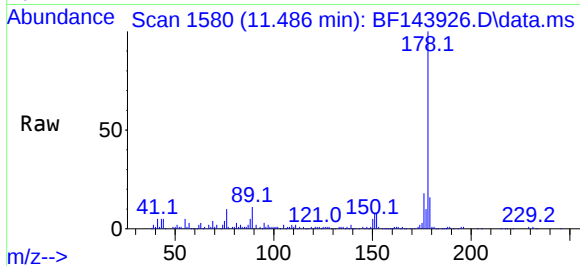




#72
 Anthracene
 Concen: 4.321 ng
 RT: 11.486 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF143926.D
 Acq: 10 Oct 2025 15:51

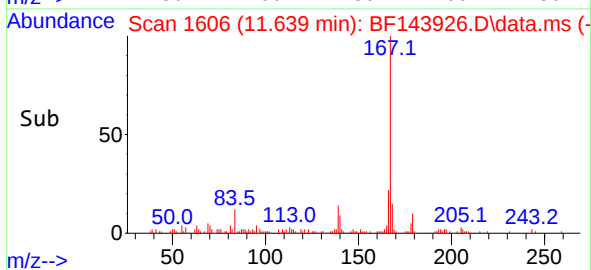
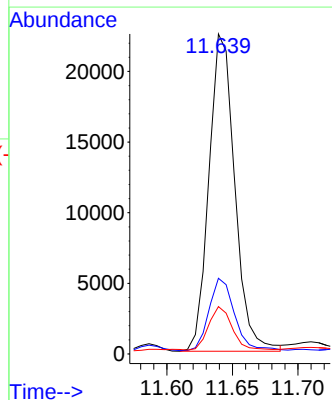
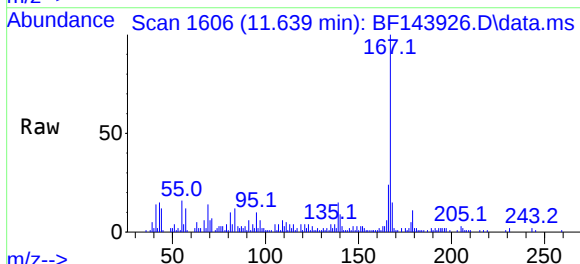
Instrument :
 BNA_F
 ClientSampleId :
 P001-DS-01

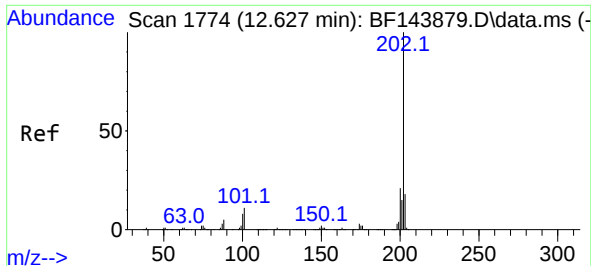
Tgt Ion:178	Resp:	68115
Ion	Ratio	Lower Upper
178	100	
176	18.5	14.9 22.3
179	16.1	12.2 18.2



#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

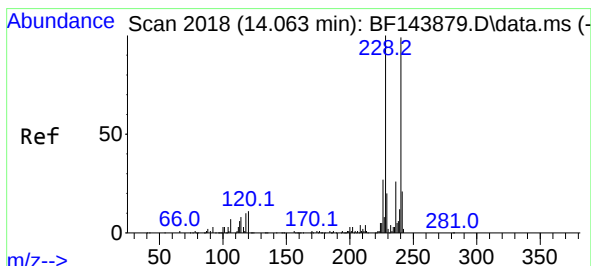
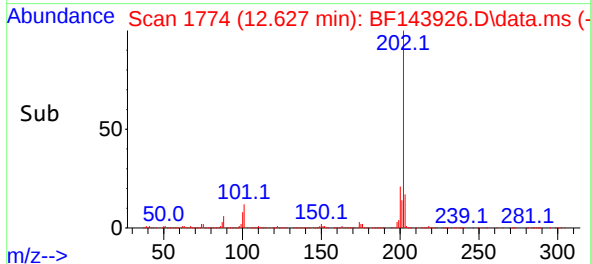
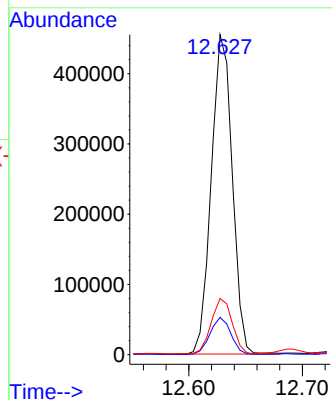
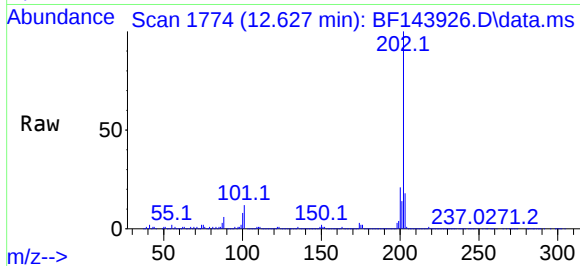




#75
Fluoranthene
Concen: 36.248 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

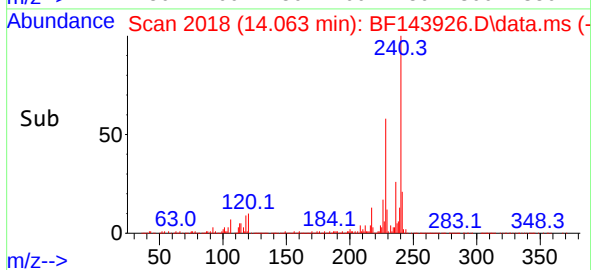
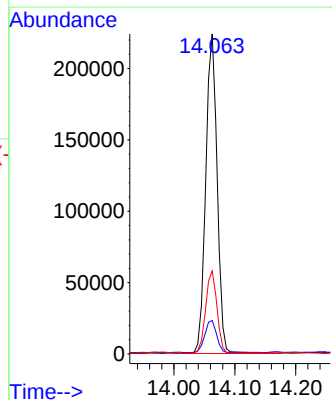
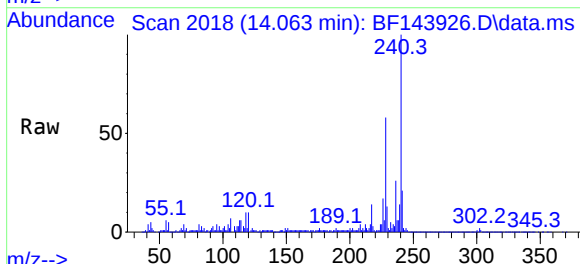
Instrument :
BNA_F
ClientSampleId :
P001-DS-01

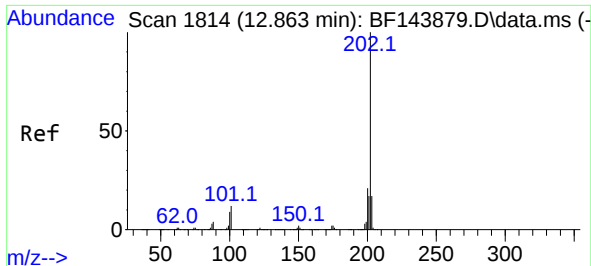
Tgt Ion:202 Resp: 584300
Ion Ratio Lower Upper
202 100
101 11.7 0.0 30.7
203 17.6 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
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



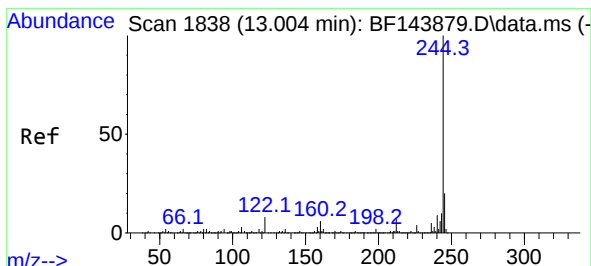
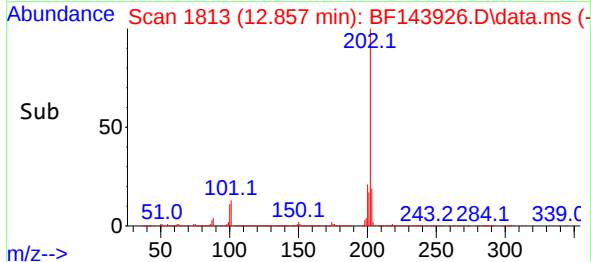
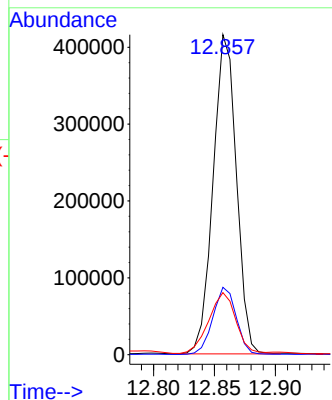
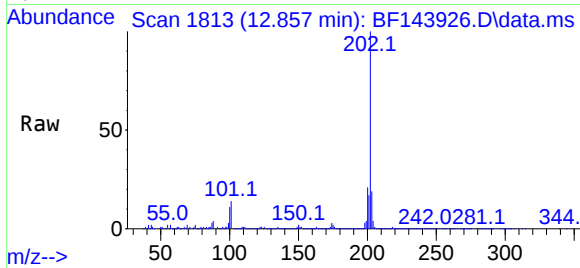


#78
 Pyrene
 Concen: 22.785 ng
 RT: 12.857 min Scan# 1813
 Delta R.T. -0.006 min
 Lab File: BF143926.D
 Acq: 10 Oct 2025 15:51

Instrument :
 BNA_F
 ClientSampleId :
 P001-DS-01

Tgt Ion:202 Resp: 553727

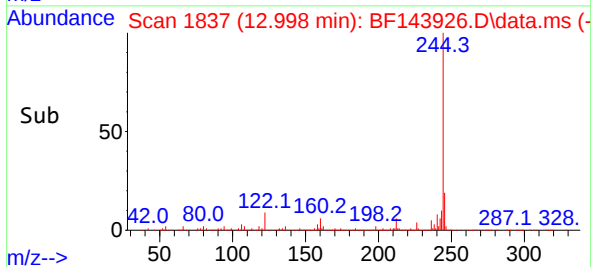
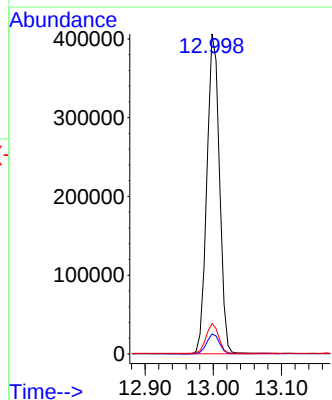
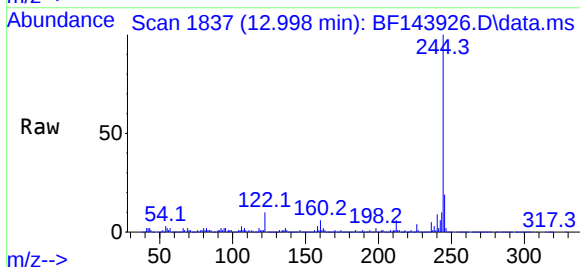
Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.6
203	19.4	13.8	20.6

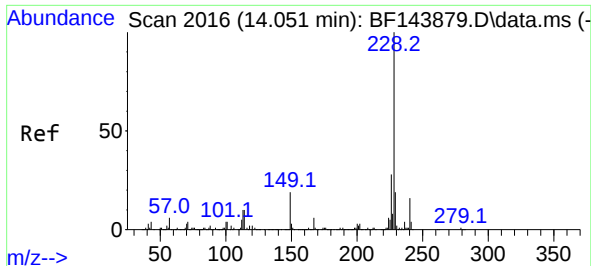


#79
 Terphenyl-d14
 Concen: 30.560 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. -0.012 min
 Lab File: BF143926.D
 Acq: 10 Oct 2025 15:51

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

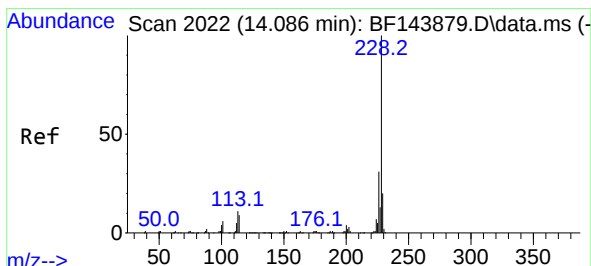
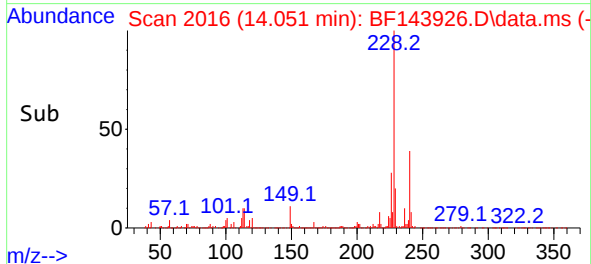
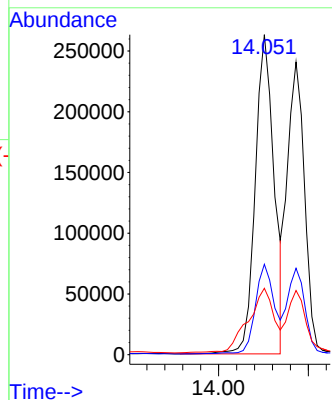
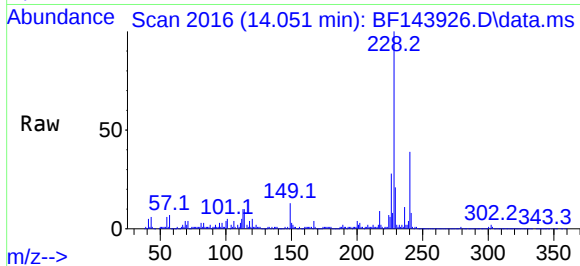




#81
Benzo(a)anthracene
Concen: 20.177 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

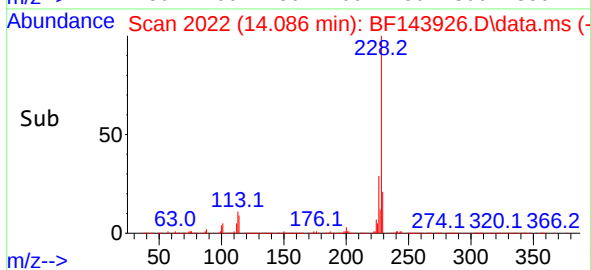
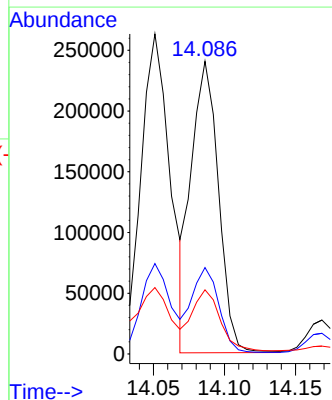
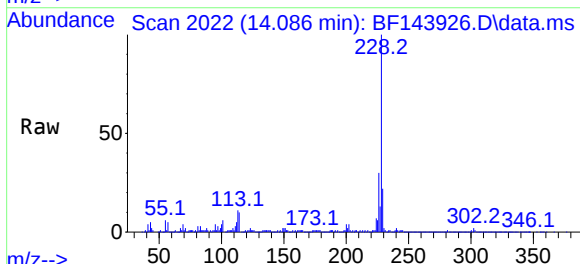
Instrument :
BNA_F
ClientSampleId :
P001-DS-01

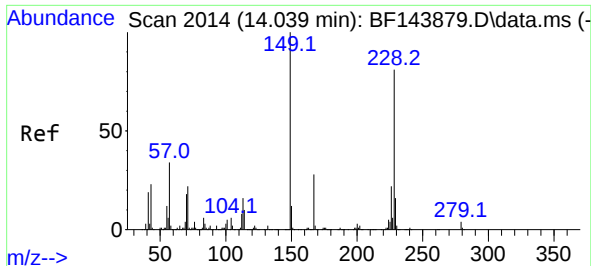
Tgt Ion:228 Resp: 384901
Ion Ratio Lower Upper
228 100
226 28.2 22.2 33.2
229 20.7 15.6 23.4



#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

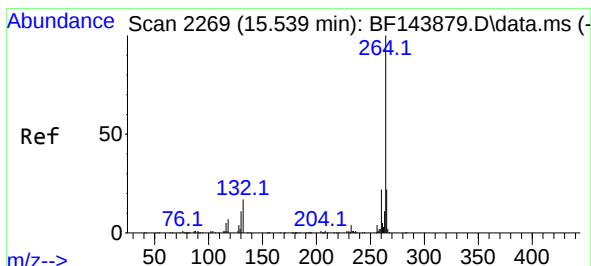
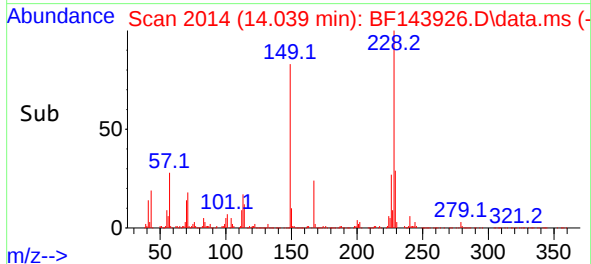
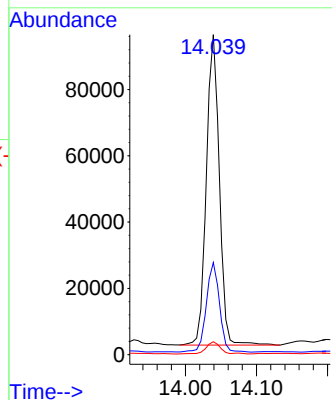
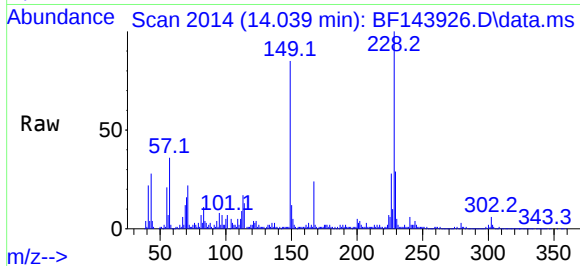




#84
Bis(2-ethylhexyl)phthalate
Concen: 12.507 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

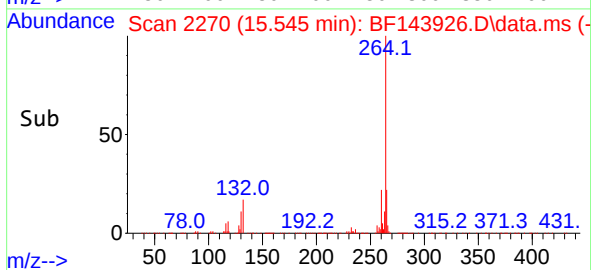
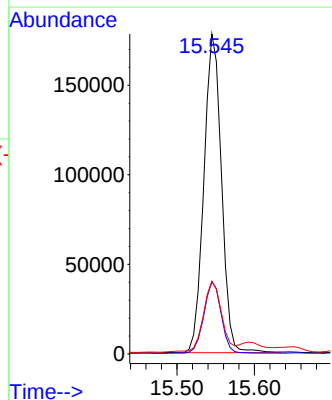
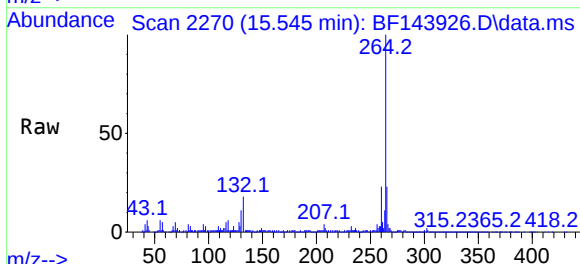
Instrument :
BNA_F
ClientSampleId :
P001-DS-01

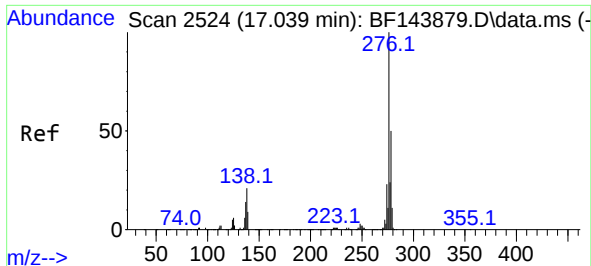
Tgt Ion:	149	Resp:	118990
Ion	Ratio	Lower	Upper
149	100		
167	28.8	22.2	33.4
279	4.1	3.1	4.7



#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

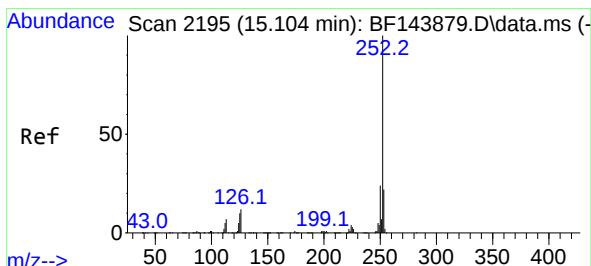
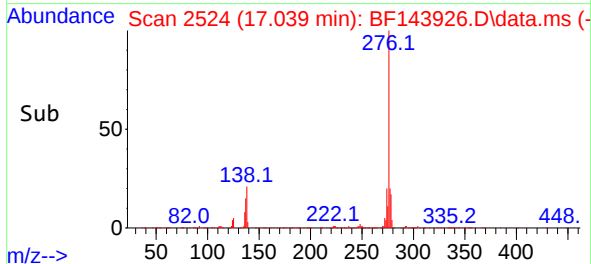
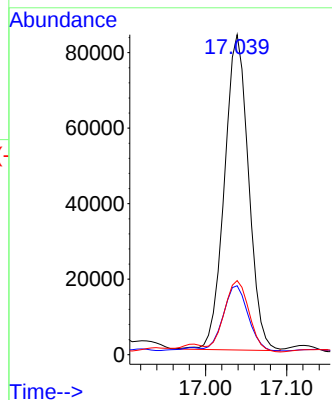
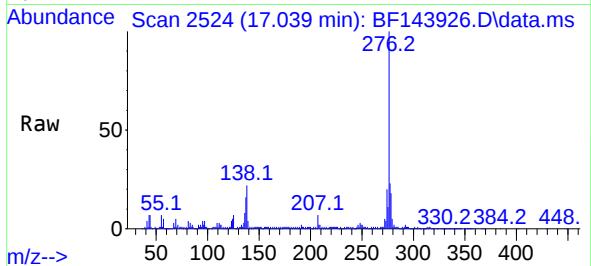




#87
Indeno(1,2,3-cd)pyrene
Concen: 10.019 ng
RT: 17.039 min Scan# 2119
Delta R.T. -0.017 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

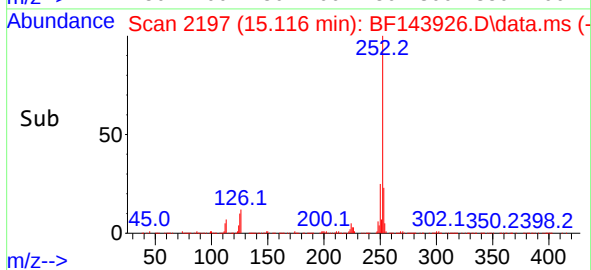
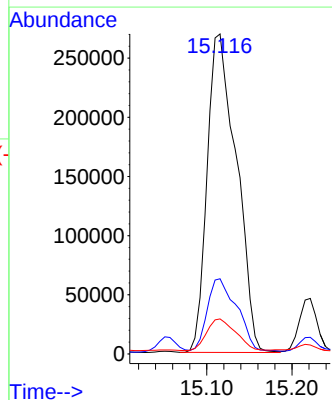
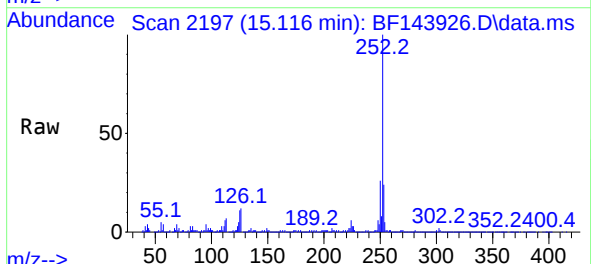
Instrument :
BNA_F
ClientSampleId :
P001-DS-01

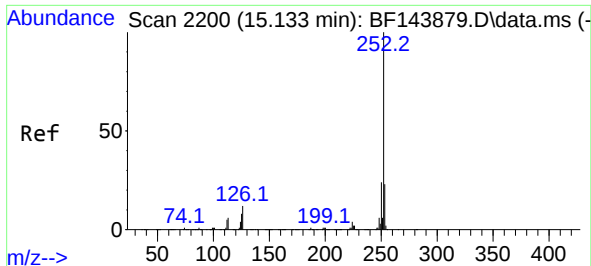
Tgt Ion:276 Resp: 172242
Ion Ratio Lower Upper
276 100
138 21.4 18.2 27.2
277 23.5 19.8 29.6



#88
Benzo(b)fluoranthene
Concen: 39.867 ng
RT: 15.116 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

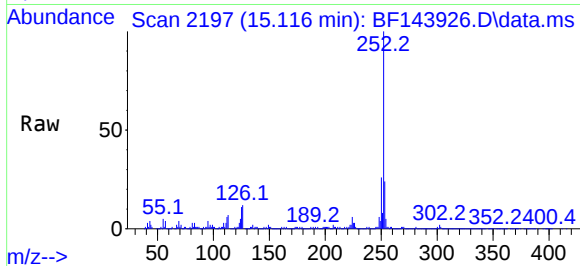
Tgt Ion:252 Resp: 642498
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 11.0 7.8 11.6



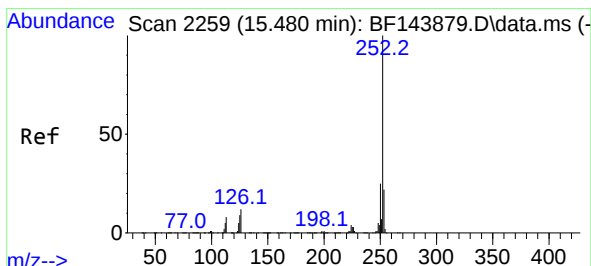
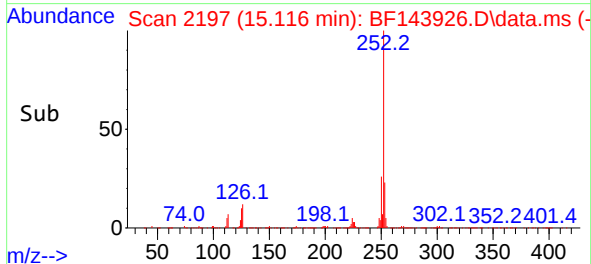
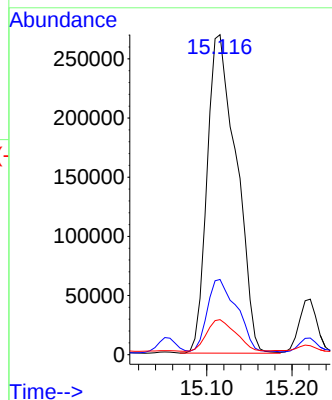


#89
Benzo(k)fluoranthene
Concen: 43.085 ng
RT: 15.116 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Instrument :
BNA_F
ClientSampleId :
P001-DS-01

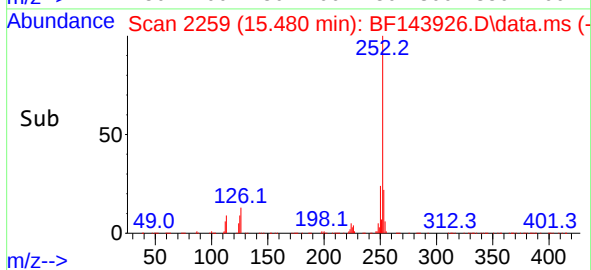
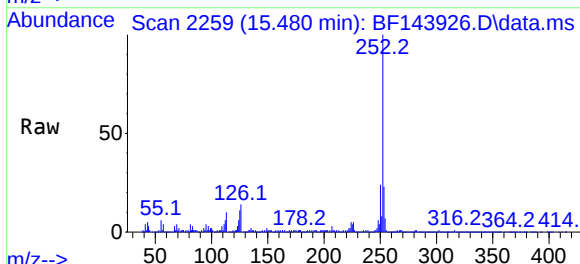
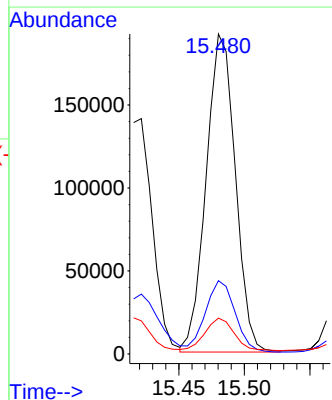


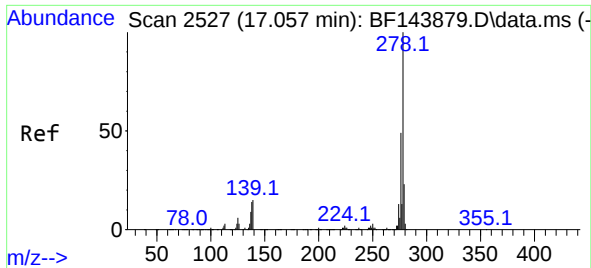
Tgt Ion:252 Resp: 642498
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 11.0 7.4 11.2



#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#

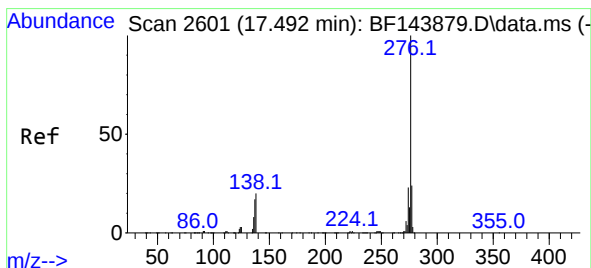
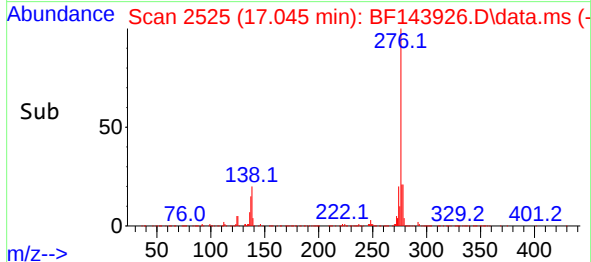
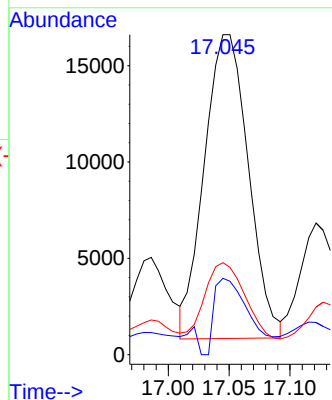
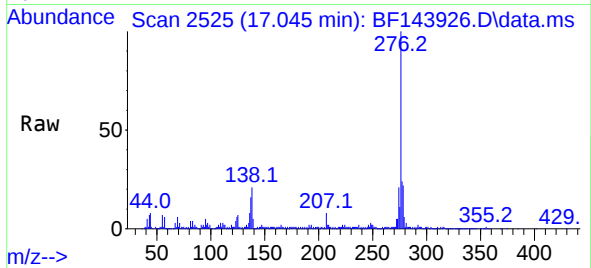




#91
Dibenzo(a,h)anthracene
Concen: 2.871 ng
RT: 17.045 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

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#

