

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
 Data File : BF144047.D
 Acq On : 22 Oct 2025 17:46
 Operator : RC/JU
 Sample : Q3416-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-10212025

Quant Time: Oct 22 18:06:25 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)

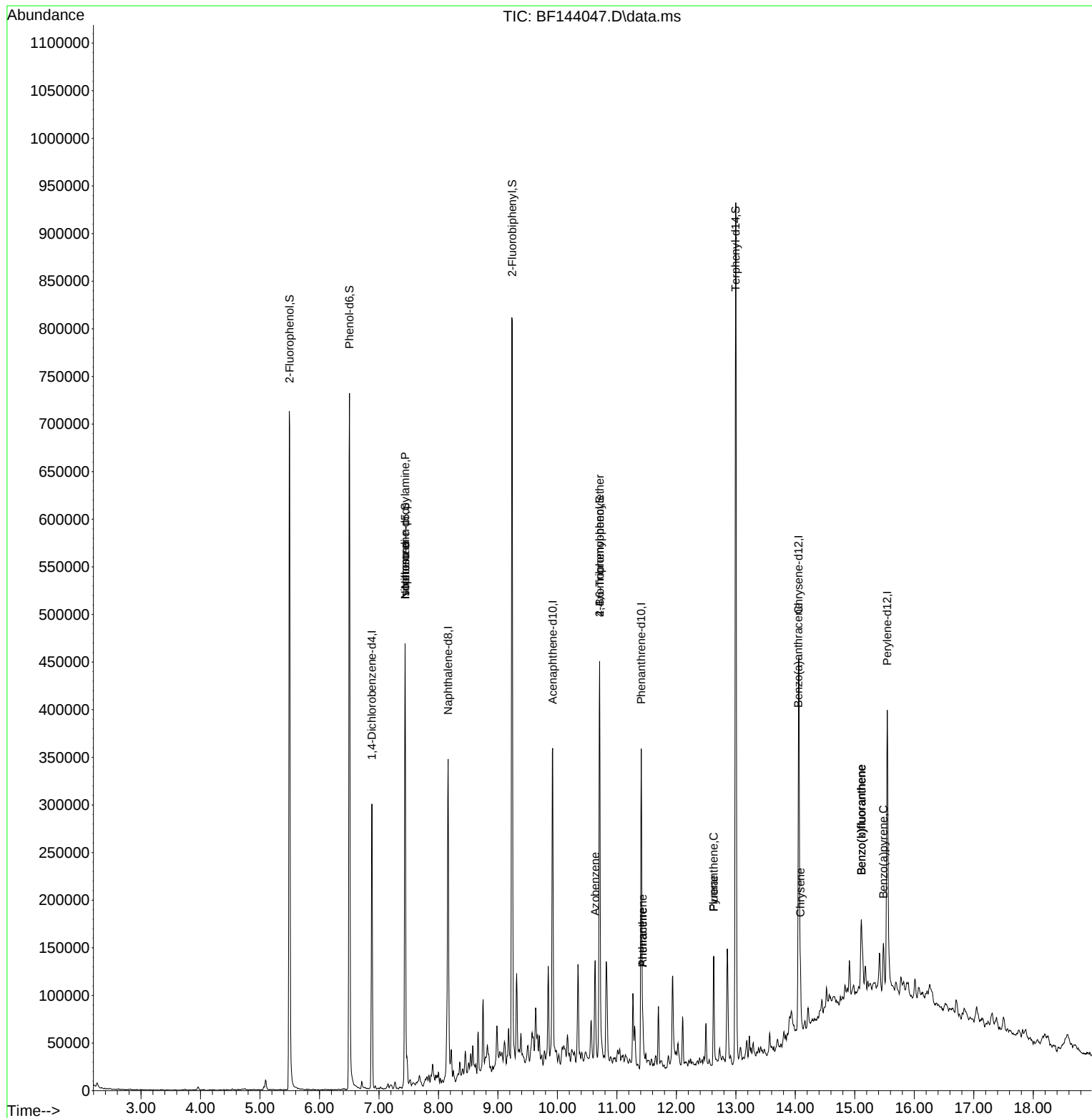
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	59442	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	214651	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	107456	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	183400	20.000	ng	0.00
76) Chrysene-d12	14.057	240	183485	20.000	ng	-0.01
86) Perylene-d12	15.545	264	199083	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	293220	78.333	ng	0.00
7) Phenol-d6	6.504	99	323806	72.574	ng	-0.01
23) Nitrobenzene-d5	7.439	82	192865	54.589	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	87563	81.813	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	393756	58.144	ng	-0.01
79) Terphenyl-d14	12.998	244	472382	44.000	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	29463	9.647	ng	# 76
25) Isophorone	7.439	82	161493	21.678	ng	# 68
63) Azobenzene	10.633	77	26878	4.057	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	5520	2.723	ng	# 1
71) Phenanthrene	11.433	178	23845	2.682	ng	99
72) Anthracene	11.433	178	23845	2.655	ng	99
75) Fluoranthene	12.627	202	66017	7.188	ng	98
78) Pyrene	12.627	202	66017	4.316	ng	99
81) Benzo(a)anthracene	14.051	228	41530	3.459	ng	96
83) Chrysene	14.086	228	35951	3.235	ng	98
88) Benzo(b)fluoranthene	15.110	252	68632	6.001	ng	100
89) Benzo(k)fluoranthene	15.110	252	68632	6.486	ng	99
90) Benzo(a)pyrene	15.480	252	32081	3.235	ng	# 92

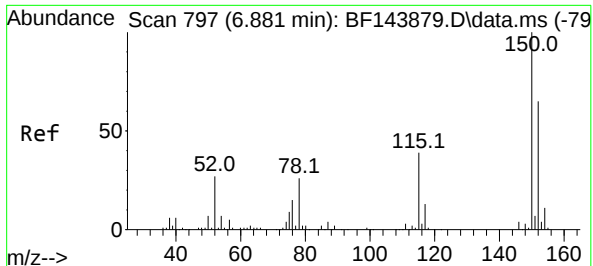
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144047.D
Acq On : 22 Oct 2025 17:46
Operator : RC/JU
Sample : Q3416-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-08-10212025

Quant Time: Oct 22 18:06:25 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

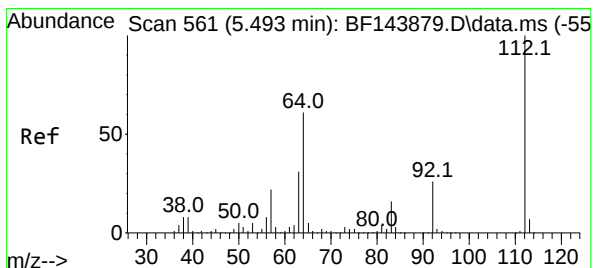
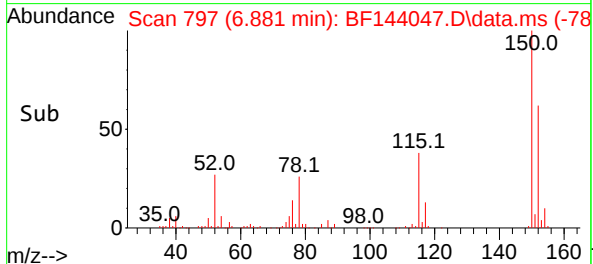
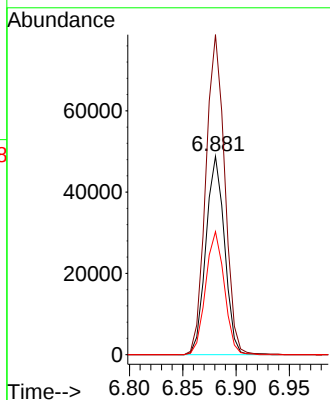
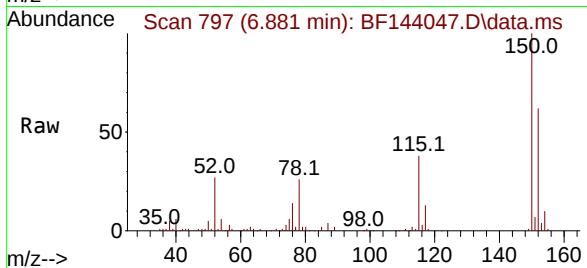




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 79
 Delta R.T. -0.005 min
 Lab File: BF144047.D
 Acq: 22 Oct 2025 17:46

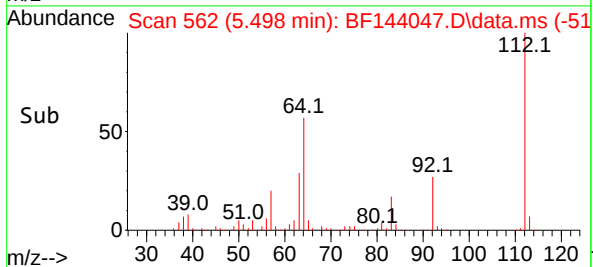
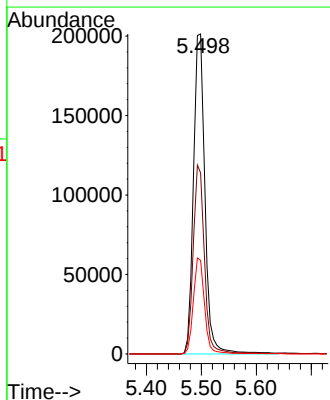
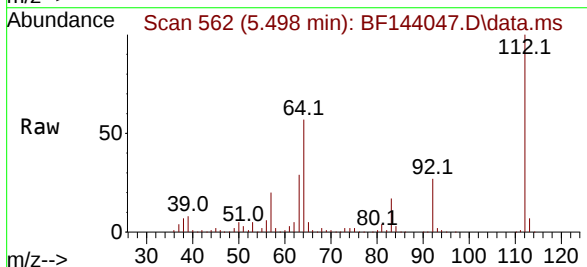
Instrument :
 BNA_F
 ClientSampleId :
 NB-08-10212025

Tgt Ion:152 Resp: 59442
 Ion Ratio Lower Upper
 152 100
 150 161.3 124.4 186.6
 115 62.1 48.1 72.1



#5
 2-Fluorophenol
 Concen: 78.333 ng
 RT: 5.498 min Scan# 562
 Delta R.T. 0.000 min
 Lab File: BF144047.D
 Acq: 22 Oct 2025 17:46

Tgt Ion:112 Resp: 293220
 Ion Ratio Lower Upper
 112 100
 64 56.6 49.1 73.7
 63 29.2 24.5 36.7

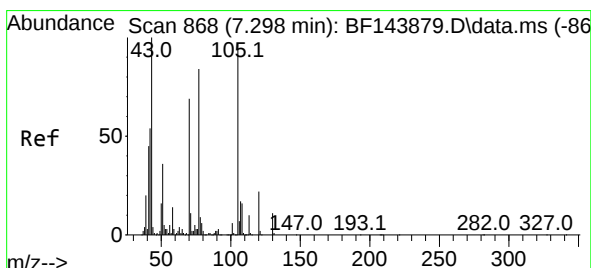
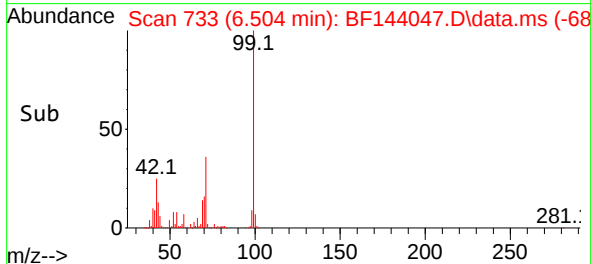
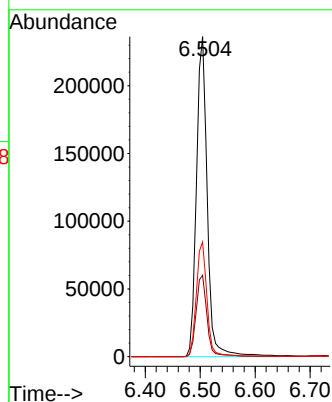
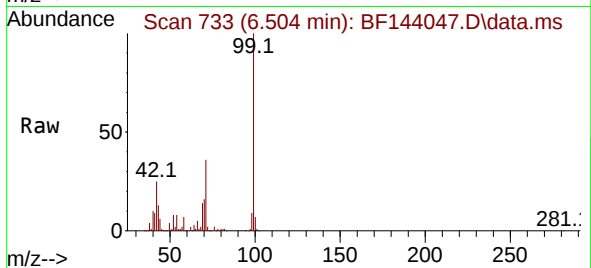




#7
Phenol-d6
Concen: 72.574 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF144047.D
Acq: 22 Oct 2025 17:46

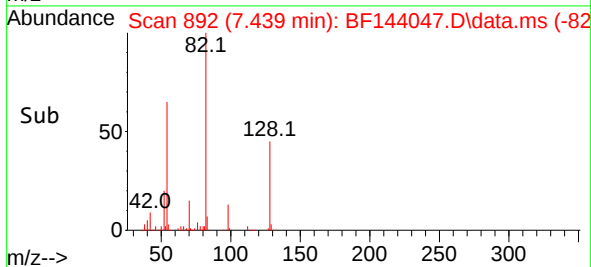
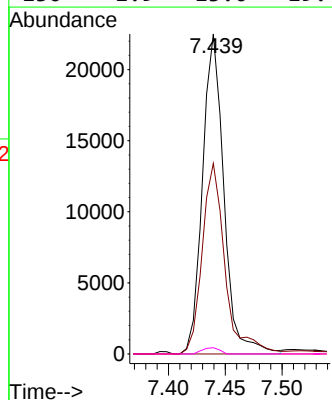
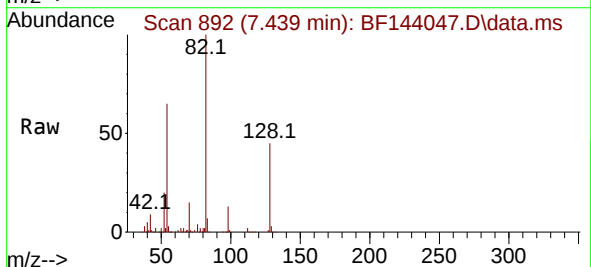
Instrument :
BNA_F
ClientSampleId :
NB-08-10212025

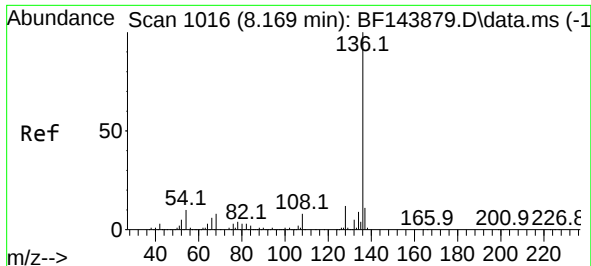
Tgt Ion: 99 Resp: 323806
Ion Ratio Lower Upper
99 100
42 25.5 21.0 31.4
71 35.8 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.647 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF144047.D
Acq: 22 Oct 2025 17:46

Tgt Ion: 70 Resp: 29463
Ion Ratio Lower Upper
70 100
42 59.5 62.8 94.2#
101 0.0 6.7 10.1#
130 1.9 13.0 19.4#



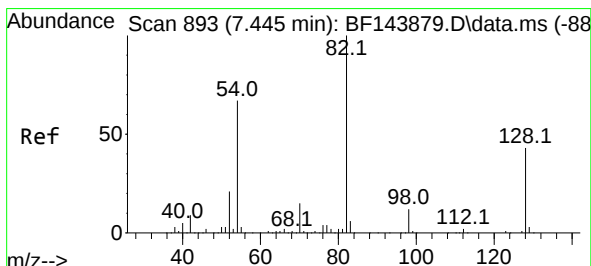
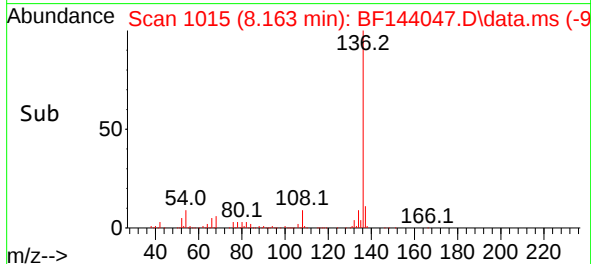
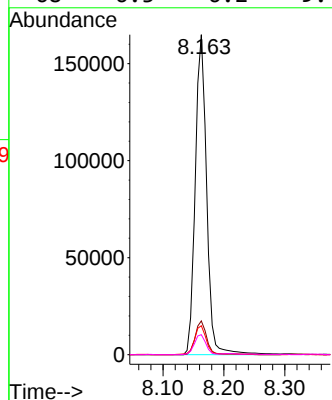
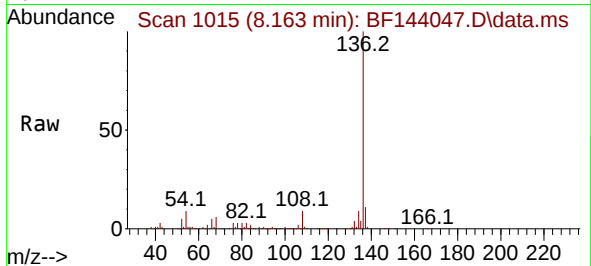


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF144047.D
Acq: 22 Oct 2025 17:46

Instrument :
BNA_F
ClientSampleId :
NB-08-10212025

Tgt Ion:136 Resp: 214651

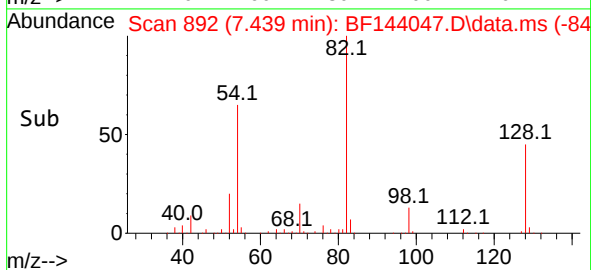
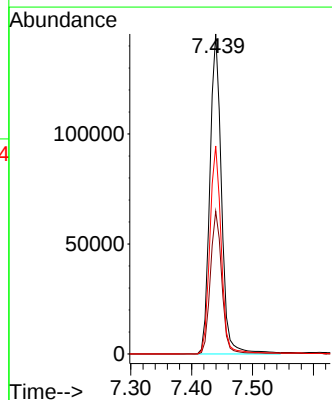
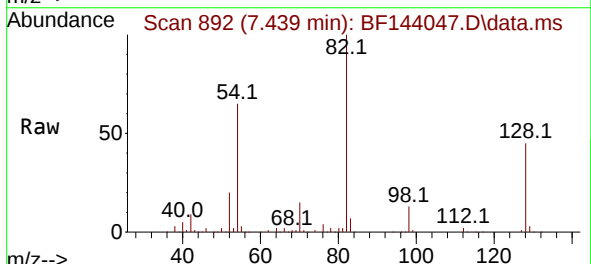
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	9.1	8.2	12.4
68	6.3	6.2	9.4

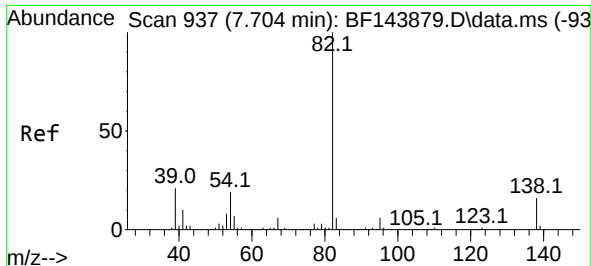


#23
Nitrobenzene-d5
Concen: 54.589 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF144047.D
Acq: 22 Oct 2025 17:46

Tgt Ion: 82 Resp: 192865

Ion	Ratio	Lower	Upper
82	100		
128	44.6	34.0	51.0
54	65.0	53.2	79.8

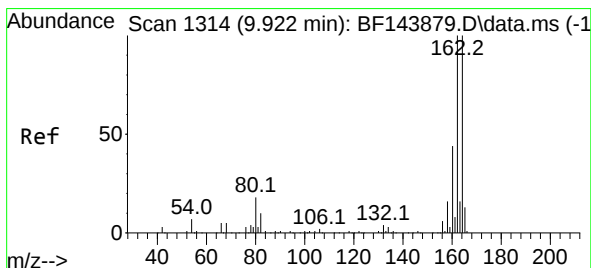
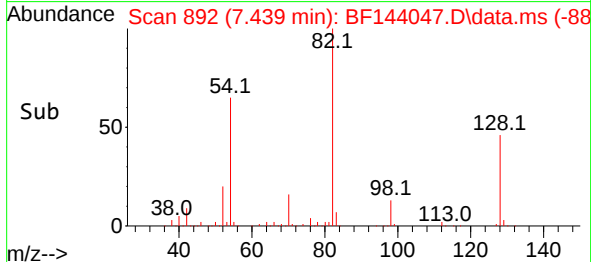
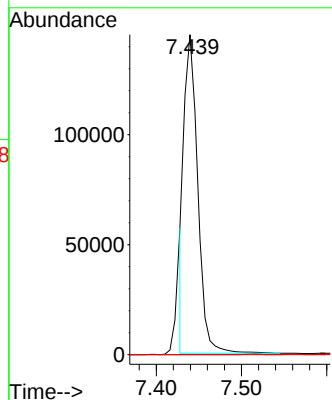
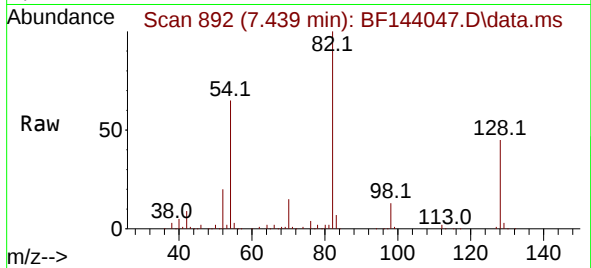




#25
Isophorone
Concen: 21.678 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.282 min
Lab File: BF144047.D
Acq: 22 Oct 2025 17:46

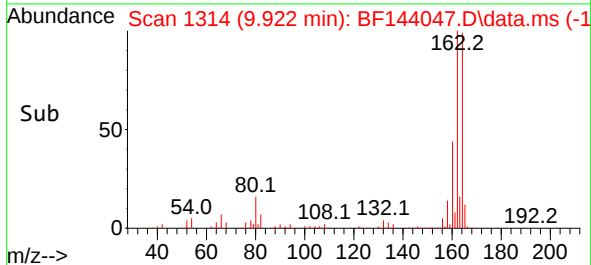
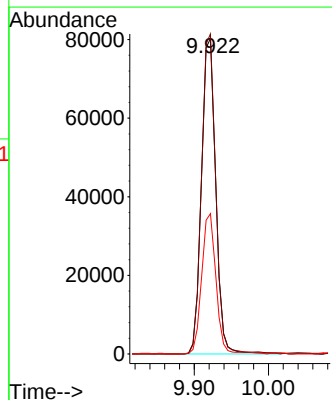
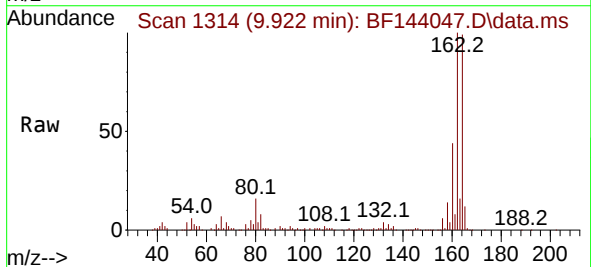
Instrument :
BNA_F
ClientSampleId :
NB-08-10212025

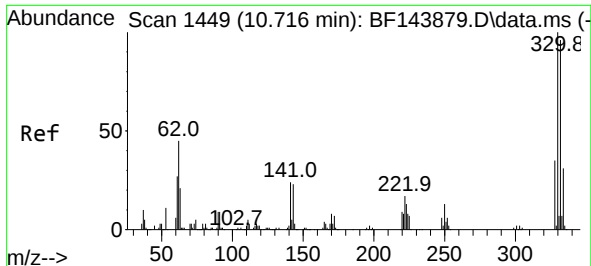
Tgt Ion: 82 Resp: 161493
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF144047.D
Acq: 22 Oct 2025 17:46

Tgt Ion: 164 Resp: 107456
Ion Ratio Lower Upper
164 100
162 101.5 80.2 120.2
160 44.5 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 81.813 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF144047.D

Acq: 22 Oct 2025 17:46

Instrument :

BNA_F

ClientSampleId :

NB-08-10212025

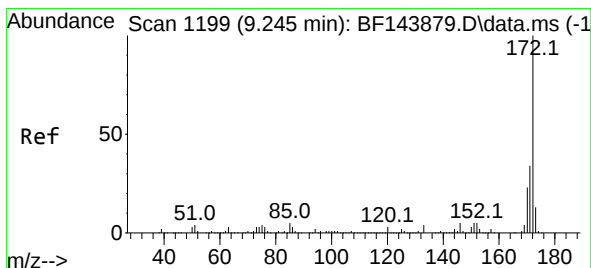
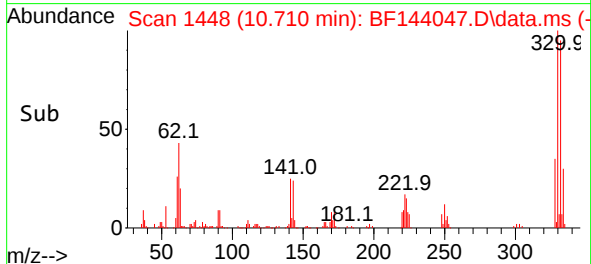
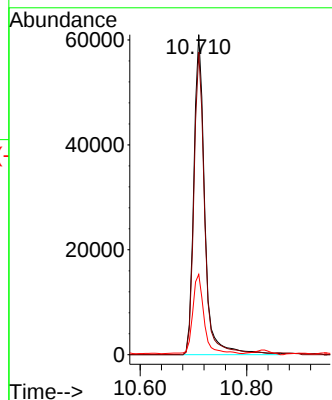
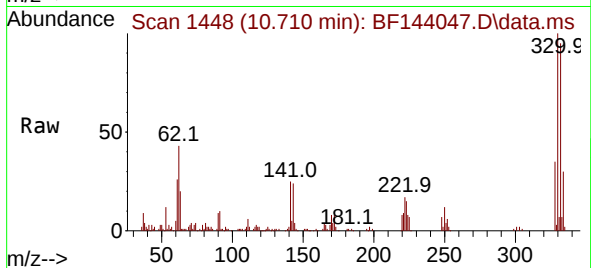
Tgt Ion:330 Resp: 87563

Ion Ratio Lower Upper

330 100

332 93.2 76.9 115.3

141 25.3 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 58.144 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF144047.D

Acq: 22 Oct 2025 17:46

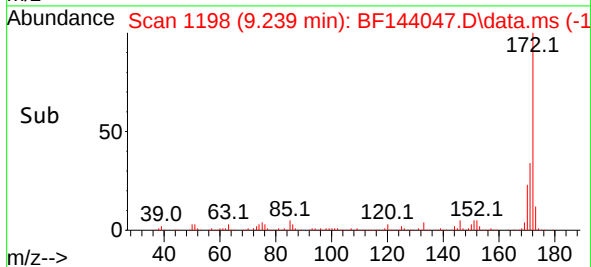
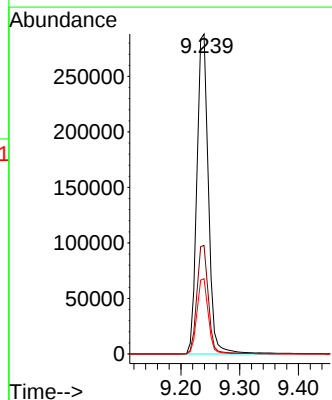
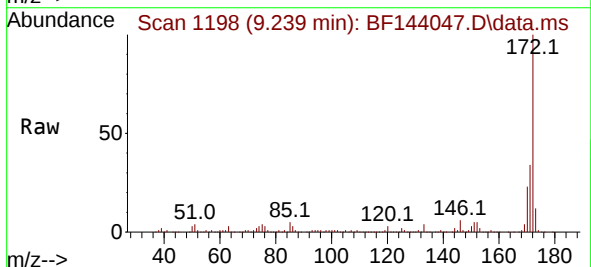
Tgt Ion:172 Resp: 393756

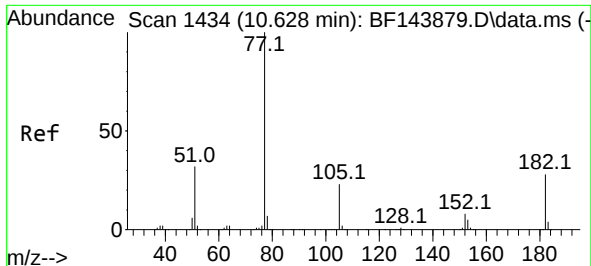
Ion Ratio Lower Upper

172 100

171 33.9 27.4 41.0

170 23.5 18.6 28.0

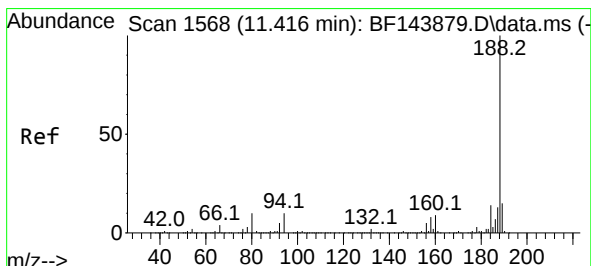
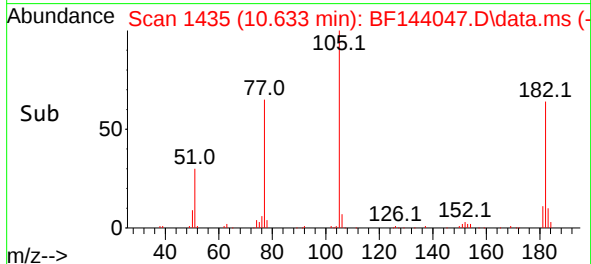
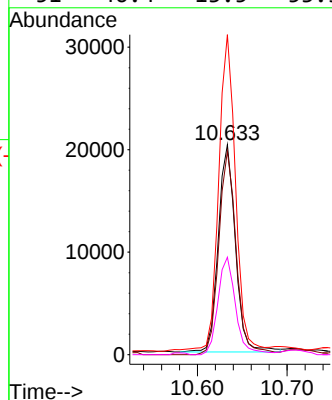
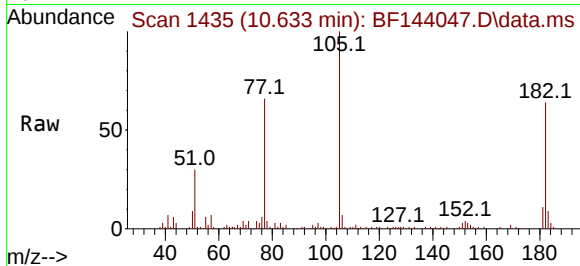




#63
Azobenzene
Concen: 4.057 ng
RT: 10.633 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144047.D
Acq: 22 Oct 2025 17:46

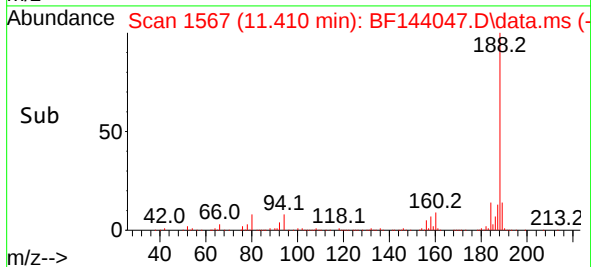
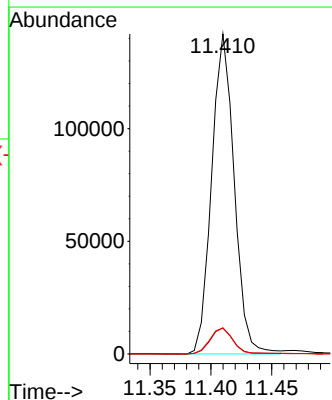
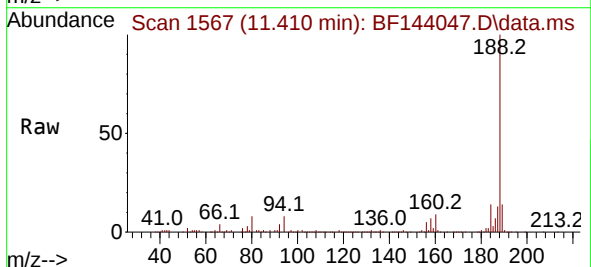
Instrument :
BNA_F
ClientSampleId :
NB-08-10212025

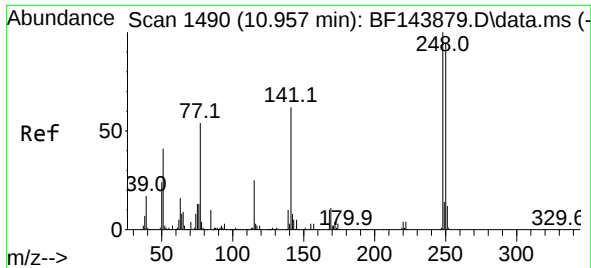
Tgt Ion: 77	Resp: 26878
Ion Ratio	Lower Upper
77 100	
182 97.1	7.3 47.3#
105 152.5	3.0 43.0#
51 46.4	13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF144047.D
Acq: 22 Oct 2025 17:46

Tgt Ion: 188	Resp: 183400
Ion Ratio	Lower Upper
188 100	
94 8.1	7.8 11.6
80 8.1	7.9 11.9

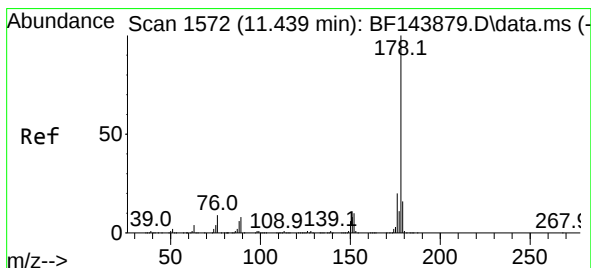
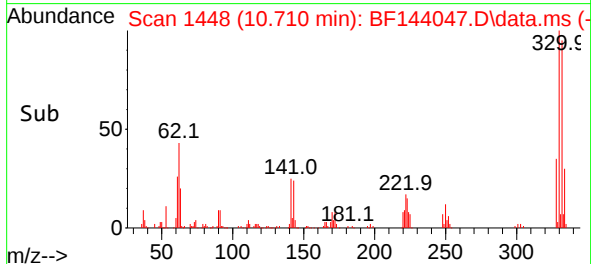
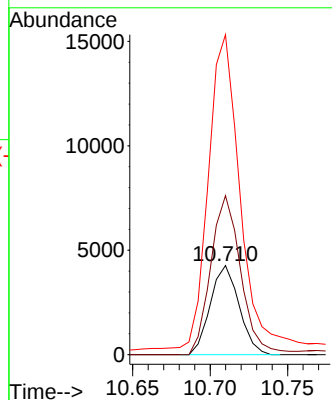
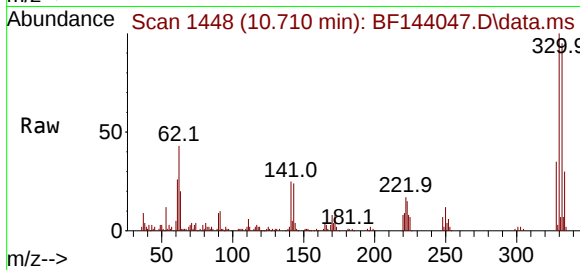




#67
4-Bromophenyl-phenylether
Concen: 2.723 ng
RT: 10.710 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF144047.D
Acq: 22 Oct 2025 17:46

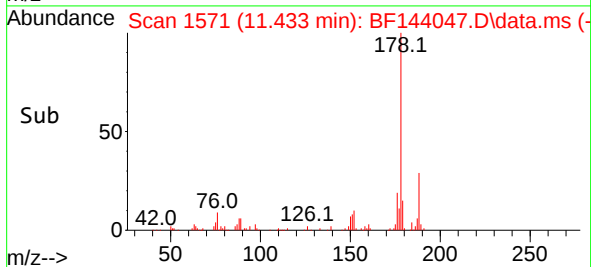
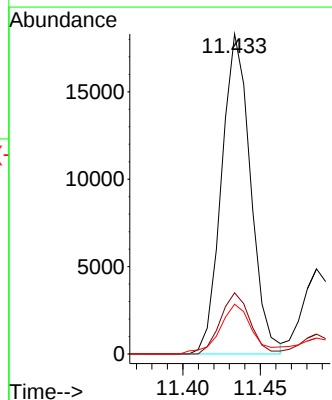
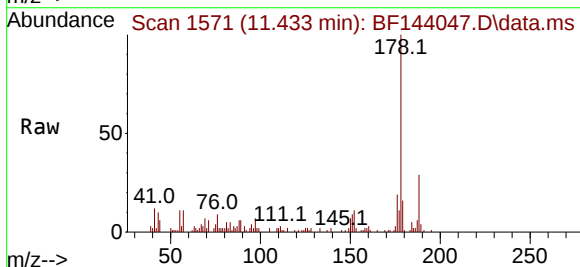
Instrument :
BNA_F
ClientSampleId :
NB-08-10212025

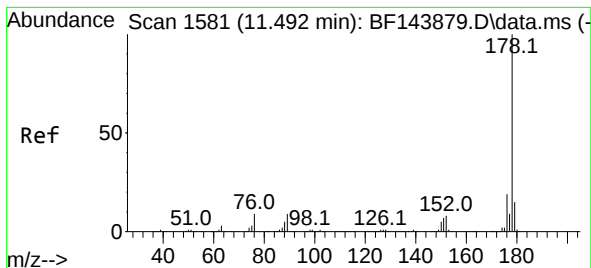
Tgt Ion:248 Resp: 5520
Ion Ratio Lower Upper
248 100
250 178.3 76.3 114.5#
141 358.7 49.7 74.5#



#71
Phenanthrene
Concen: 2.682 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF144047.D
Acq: 22 Oct 2025 17:46

Tgt Ion:178 Resp: 23845
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 15.6 12.4 18.6





#72

Anthracene

Concen: 2.655 ng

RT: 11.433 min Scan# 1571

Delta R.T. -0.065 min

Lab File: BF144047.D

Acq: 22 Oct 2025 17:46

Instrument :

BNA_F

ClientSampleId :

NB-08-10212025

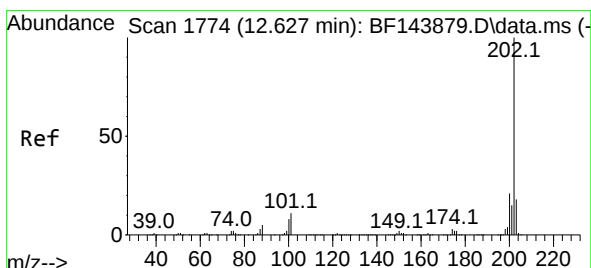
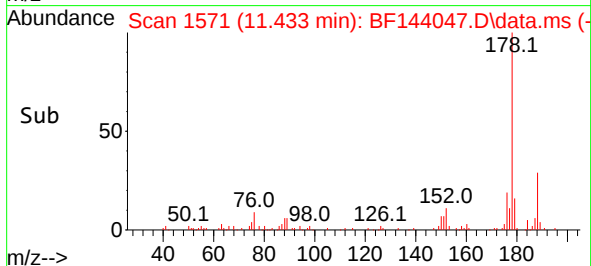
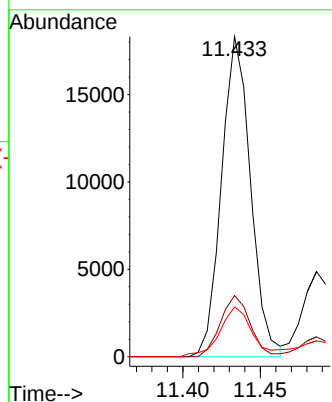
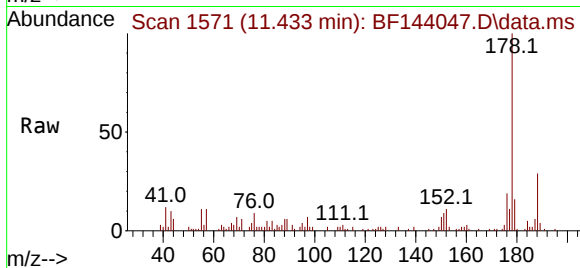
Tgt Ion:178 Resp: 23845

Ion Ratio Lower Upper

178 100

176 19.1 14.9 22.3

179 15.6 12.2 18.2



#75

Fluoranthene

Concen: 7.188 ng

RT: 12.627 min Scan# 1774

Delta R.T. -0.006 min

Lab File: BF144047.D

Acq: 22 Oct 2025 17:46

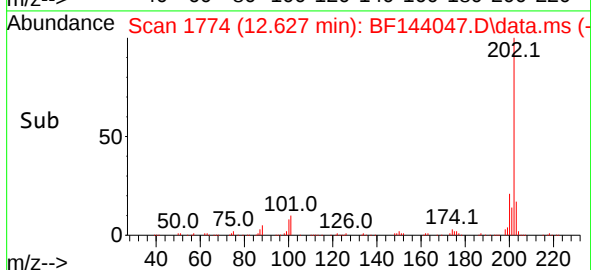
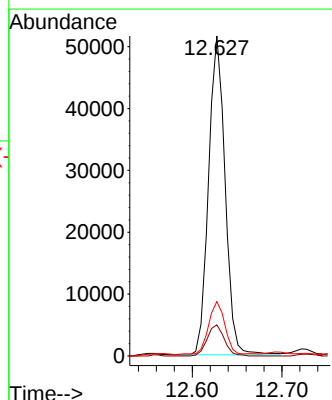
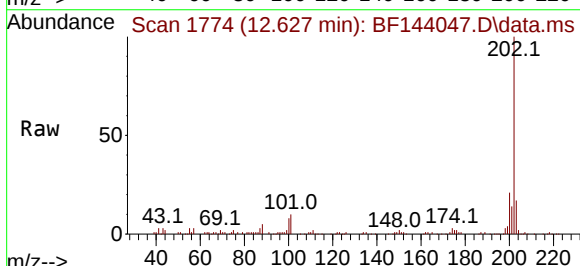
Tgt Ion:202 Resp: 66017

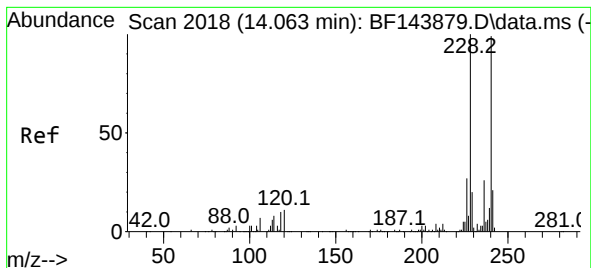
Ion Ratio Lower Upper

202 100

101 9.7 0.0 30.7

203 17.0 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 20

Delta R.T. -0.011 min

Lab File: BF144047.D

Acq: 22 Oct 2025 17:46

Instrument :

BNA_F

ClientSampleId :

NB-08-10212025

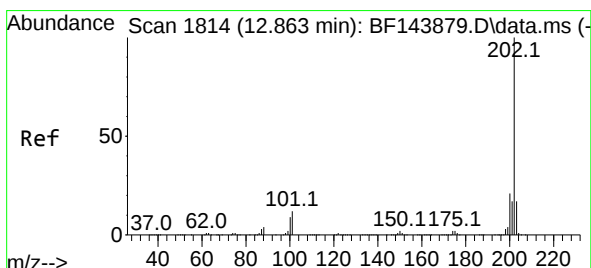
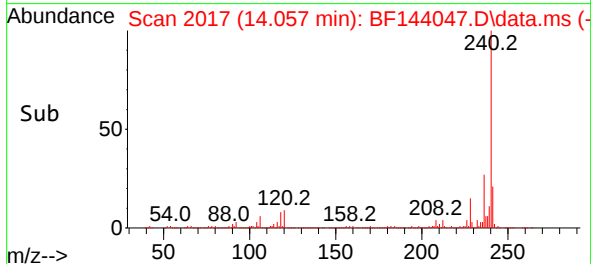
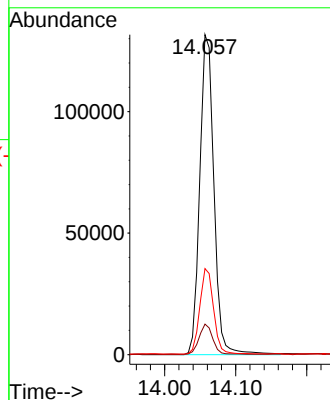
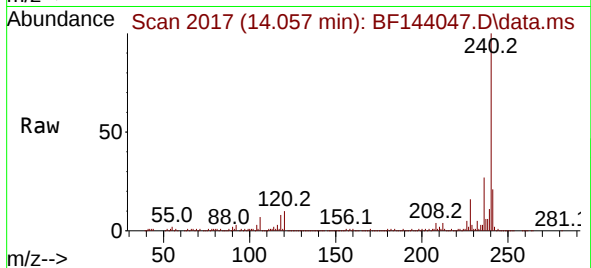
Tgt Ion:240 Resp: 183485

Ion Ratio Lower Upper

240 100

120 9.6 8.6 13.0

236 26.9 21.1 31.7



#78

Pyrene

Concen: 4.316 ng

RT: 12.627 min Scan# 1774

Delta R.T. -0.235 min

Lab File: BF144047.D

Acq: 22 Oct 2025 17:46

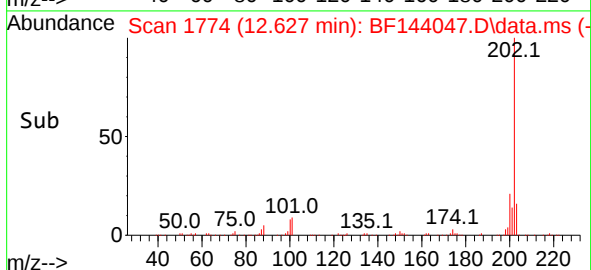
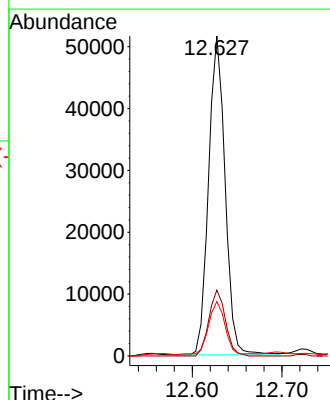
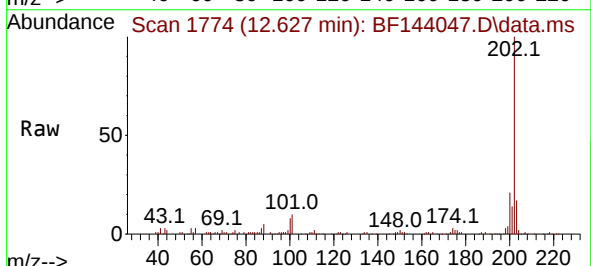
Tgt Ion:202 Resp: 66017

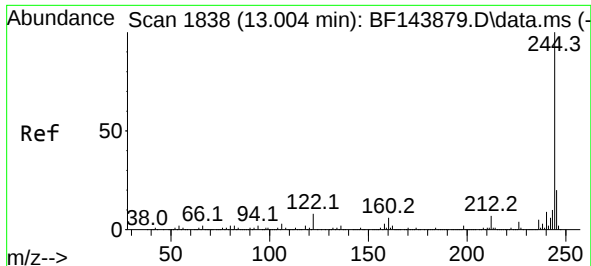
Ion Ratio Lower Upper

202 100

200 20.6 17.0 25.6

203 17.0 13.8 20.6

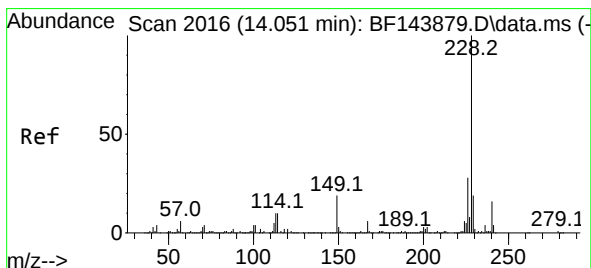
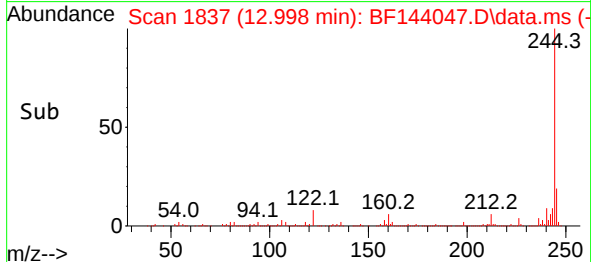
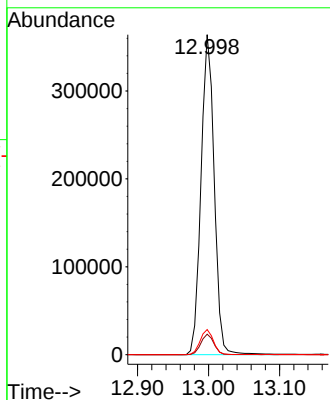
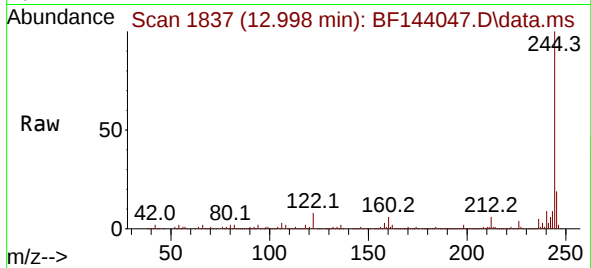




#79
 Terphenyl-d14
 Concen: 44.000 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. -0.012 min
 Lab File: BF144047.D
 Acq: 22 Oct 2025 17:46

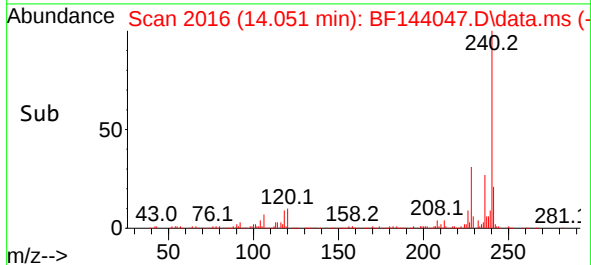
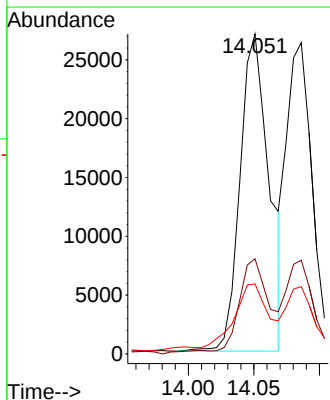
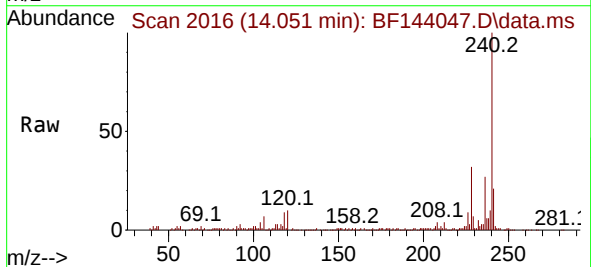
Instrument :
 BNA_F
 ClientSampleId :
 NB-08-10212025

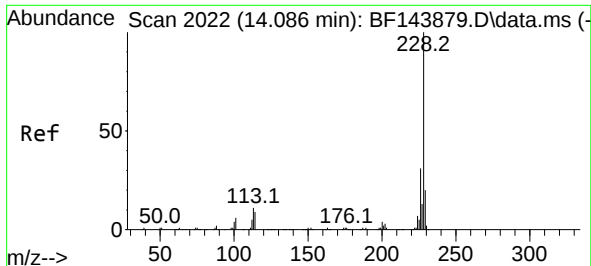
Tgt Ion:244 Resp: 472382
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 7.9 6.4 9.6



#81
 Benzo(a)anthracene
 Concen: 3.459 ng
 RT: 14.051 min Scan# 2016
 Delta R.T. -0.006 min
 Lab File: BF144047.D
 Acq: 22 Oct 2025 17:46

Tgt Ion:228 Resp: 41530
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.2 33.2
 229 21.9 15.6 23.4

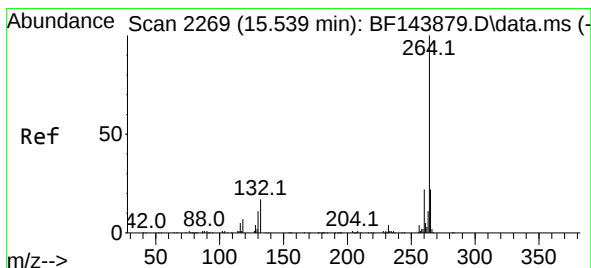
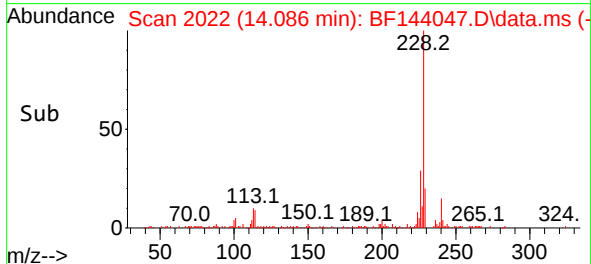
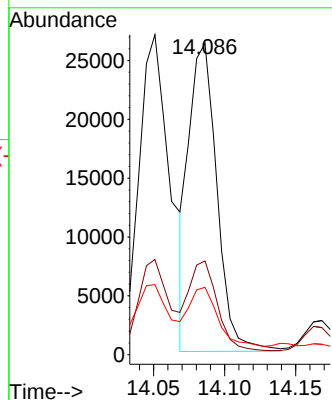
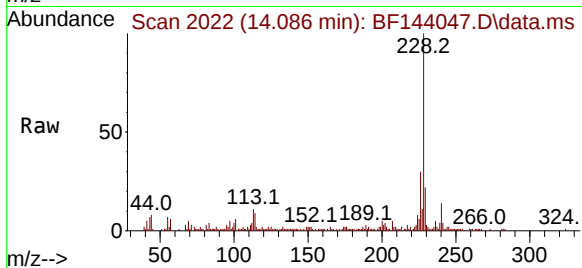




#83
Chrysene
Concen: 3.235 ng
RT: 14.086 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144047.D
Acq: 22 Oct 2025 17:46

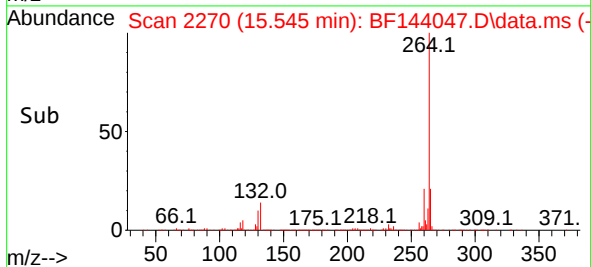
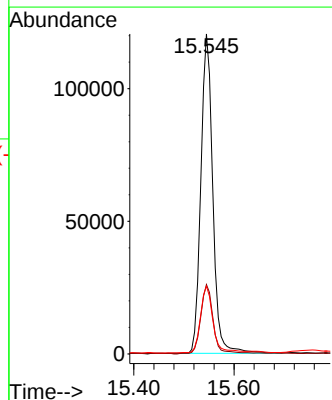
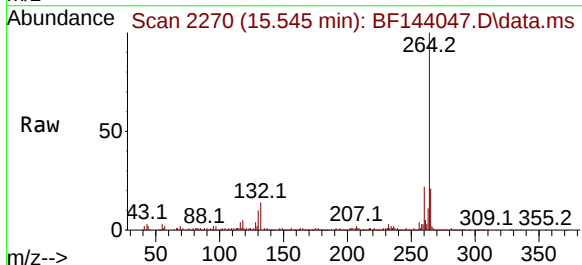
Instrument :
BNA_F
ClientSampleId :
NB-08-10212025

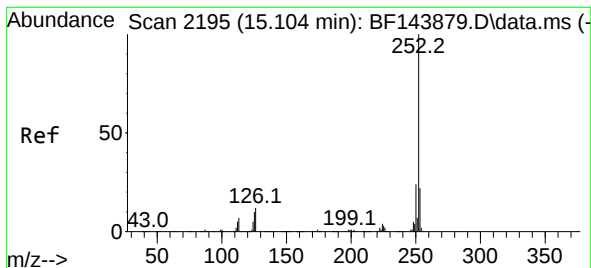
Tgt Ion:228	Resp:	35951
Ion Ratio	Lower	Upper
228	100	
226	30.1	24.4 36.6
229	21.7	15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF144047.D
Acq: 22 Oct 2025 17:46

Tgt Ion:264	Resp:	199083
Ion Ratio	Lower	Upper
264	100	
260	21.7	17.8 26.8
265	21.2	17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 6.001 ng

RT: 15.110 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF144047.D

Acq: 22 Oct 2025 17:46

Instrument :

BNA_F

ClientSampleId :

NB-08-10212025

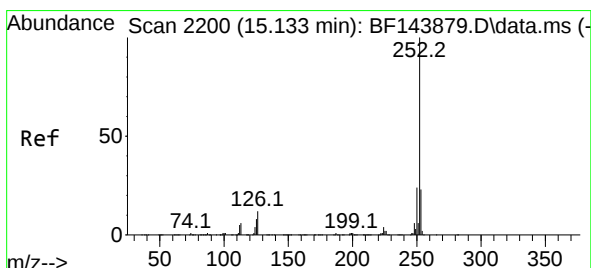
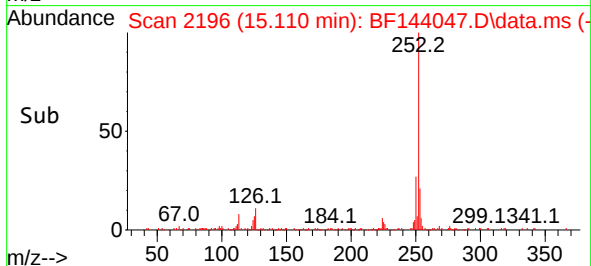
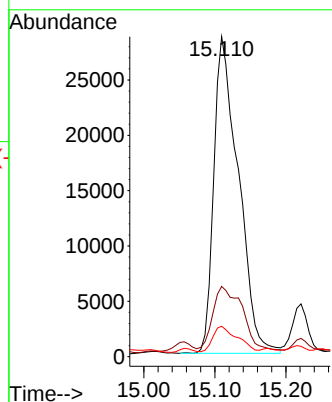
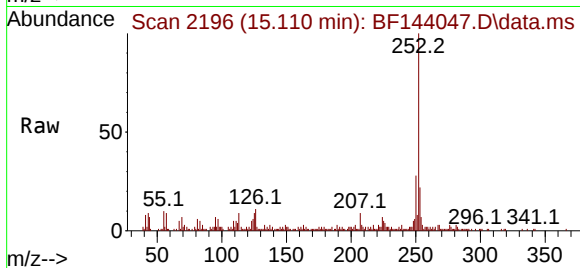
Tgt Ion:252 Resp: 68632

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 9.5 7.8 11.6



#89

Benzo(k)fluoranthene

Concen: 6.486 ng

RT: 15.110 min Scan# 2196

Delta R.T. -0.035 min

Lab File: BF144047.D

Acq: 22 Oct 2025 17:46

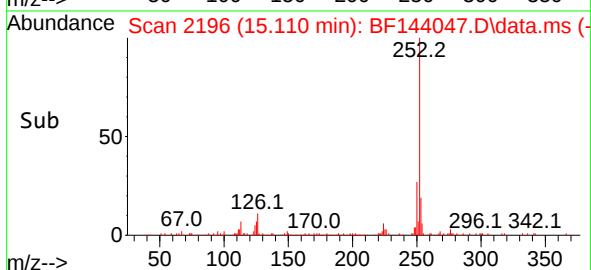
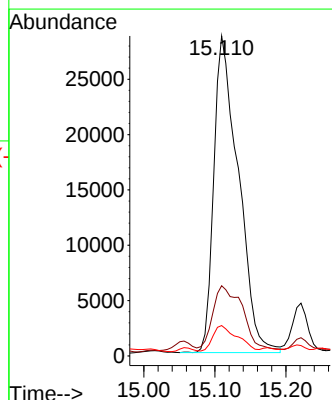
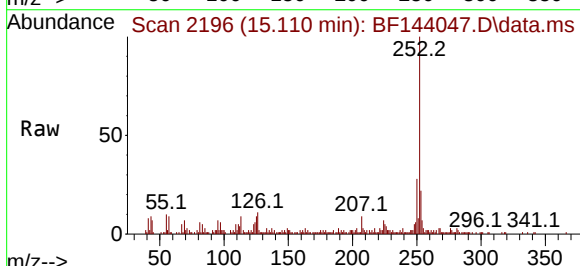
Tgt Ion:252 Resp: 68632

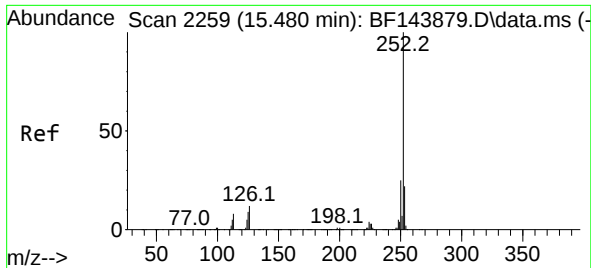
Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

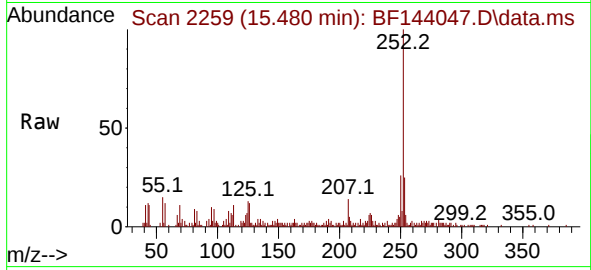
125 9.5 7.4 11.2





#90
Benzo(a)pyrene
Concen: 3.235 ng
RT: 15.480 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF144047.D
Acq: 22 Oct 2025 17:46

Instrument :
BNA_F
ClientSampleId :
NB-08-10212025



Tgt Ion:252 Resp: 32081
Ion Ratio Lower Upper
252 100
253 25.0 17.3 25.9
125 12.7 7.0 10.4#

