

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
 Data File : BF144085.D
 Acq On : 27 Oct 2025 16:03
 Operator : RC/JU
 Sample : Q3416-01RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-10212025

Quant Time: Oct 27 16:32:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 17:30:25 2025
 Response via : Initial Calibration

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

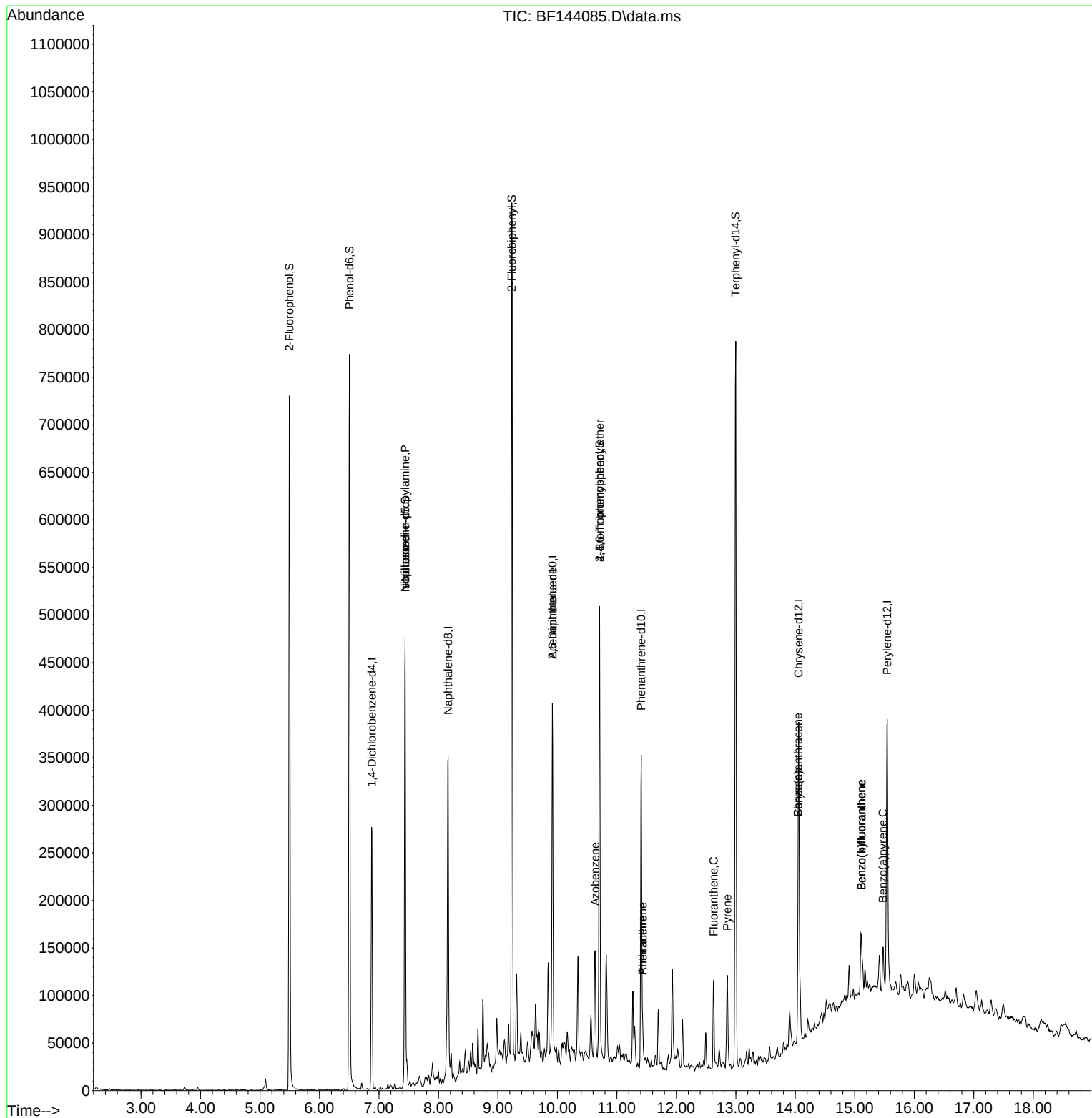
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	59625	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	213573	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	113858	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	178831	20.000	ng	0.00
76) Chrysene-d12	14.057	240	158847	20.000	ng	0.00
86) Perylene-d12	15.545	264	190402	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	273970	72.696	ng	0.00
7) Phenol-d6	6.504	99	327128	78.596	ng	0.00
23) Nitrobenzene-d5	7.440	82	194995	50.021	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	98105	67.643	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	417278	51.573	ng	0.00
79) Terphenyl-d14	12.998	244	404837	44.555	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	30104	11.185	ng	# 73
25) Isophorone	7.440	82	192326	28.220	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	16233	11.002	ng	# 24
63) Azobenzene	10.633	77	29170	4.391	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	5581	2.493	ng	# 1
71) Phenanthrene	11.433	178	21906	2.466	ng	96
72) Anthracene	11.433	178	21906	2.387	ng	95
75) Fluoranthene	12.627	202	57443	5.853	ng	99
78) Pyrene	12.857	202	51385	4.500	ng	100
81) Benzo(a)anthracene	14.045	228	33754	3.144	ng	94
83) Chrysene	14.045	228	33754	3.351	ng	97
88) Benzo(b)fluoranthene	15.110	252	58628	5.447	ng	# 93
89) Benzo(k)fluoranthene	15.110	252	58628	5.903	ng	# 93
90) Benzo(a)pyrene	15.474	252	30486	3.157	ng	# 88

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

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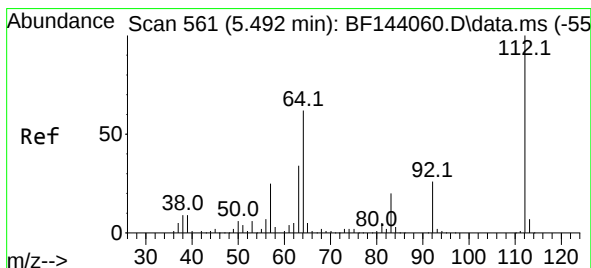
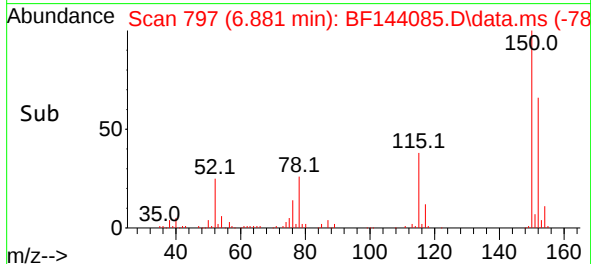
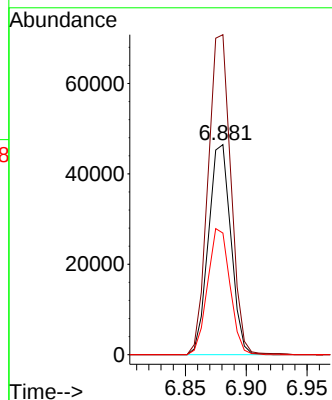
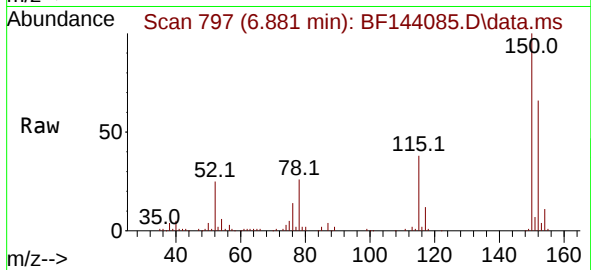




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF144085.D
Acq: 27 Oct 2025 16:03

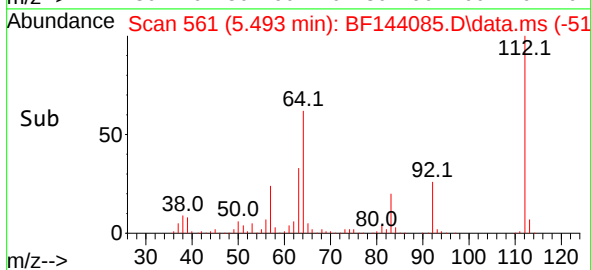
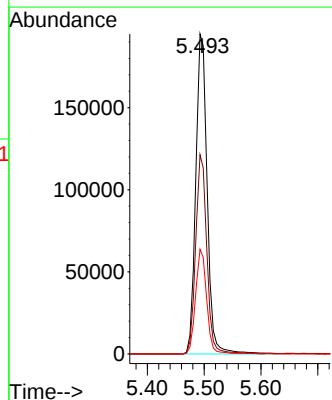
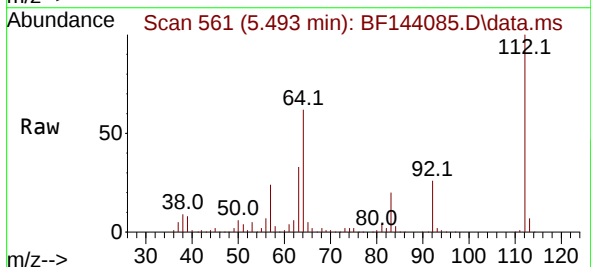
Instrument :
BNA_F
ClientSampleId :
NB-08-10212025

Tgt Ion:152 Resp: 59625
Ion Ratio Lower Upper
152 100
150 152.3 124.4 186.6
115 57.9 49.4 74.0



#5
2-Fluorophenol
Concen: 72.696 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF144085.D
Acq: 27 Oct 2025 16:03

Tgt Ion:112 Resp: 273970
Ion Ratio Lower Upper
112 100
64 62.3 49.8 74.8
63 32.7 27.4 41.2

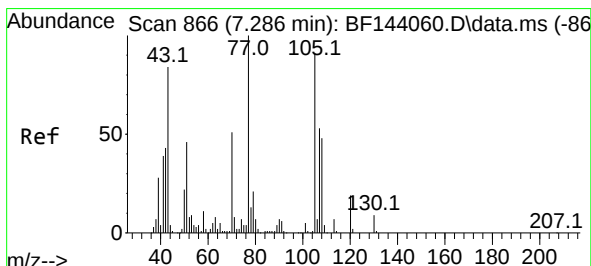
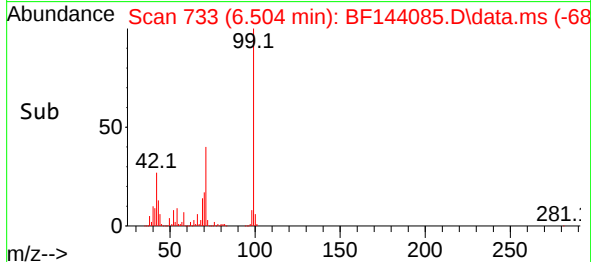
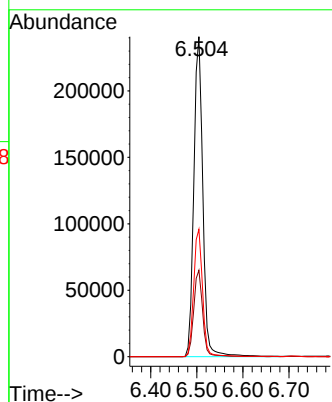
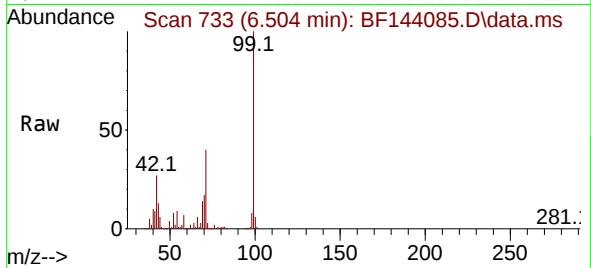




#7
Phenol-d6
Concen: 78.596 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF144085.D
Acq: 27 Oct 2025 16:03

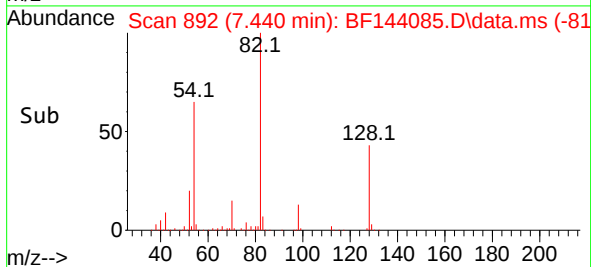
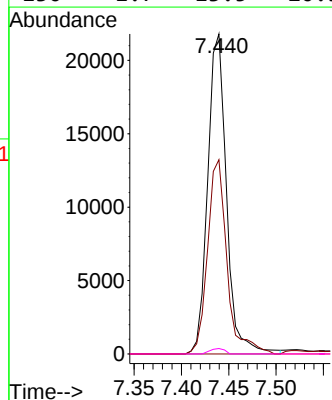
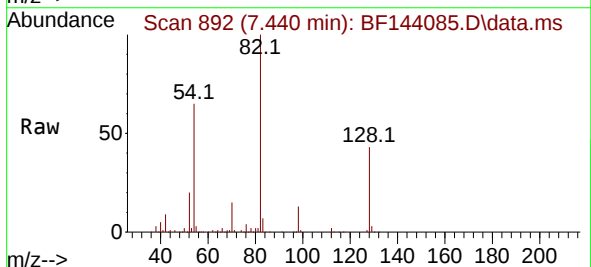
Instrument :
BNA_F
ClientSampleId :
NB-08-10212025

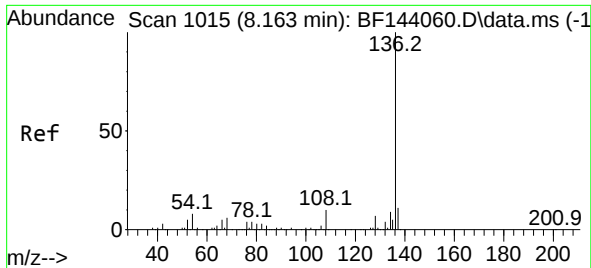
Tgt Ion: 99 Resp: 327128
Ion Ratio Lower Upper
99 100
42 27.0 23.9 35.9
71 39.8 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.185 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.153 min
Lab File: BF144085.D
Acq: 27 Oct 2025 16:03

Tgt Ion: 70 Resp: 30104
Ion Ratio Lower Upper
70 100
42 60.7 67.4 101.0#
101 0.0 7.1 10.7#
130 1.7 13.5 20.3#



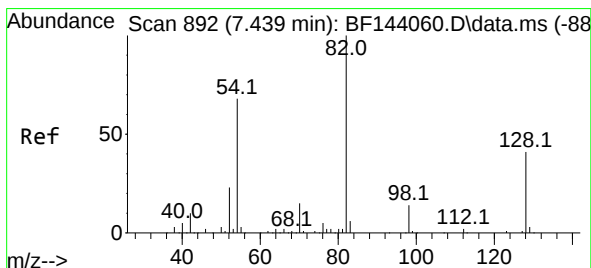
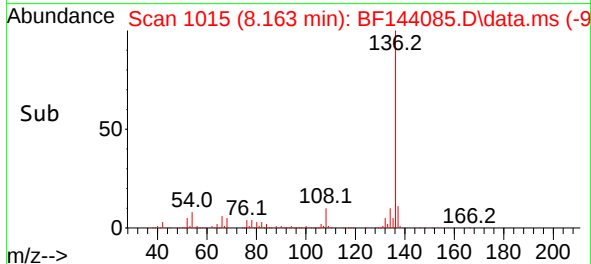
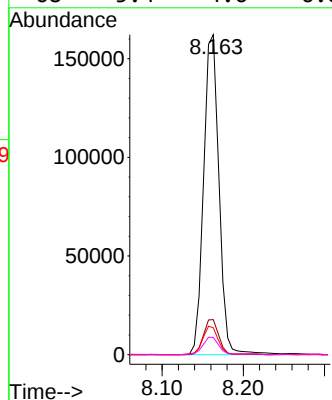
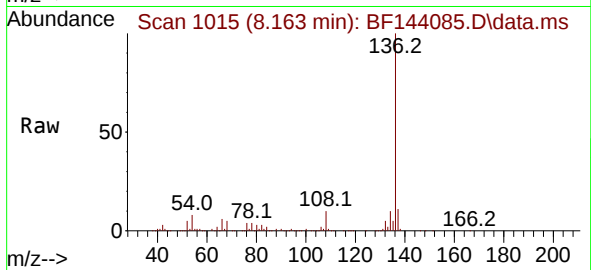


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BF144085.D
Acq: 27 Oct 2025 16:03

Instrument :
BNA_F
ClientSampleId :
NB-08-10212025

Tgt Ion:136 Resp: 213573

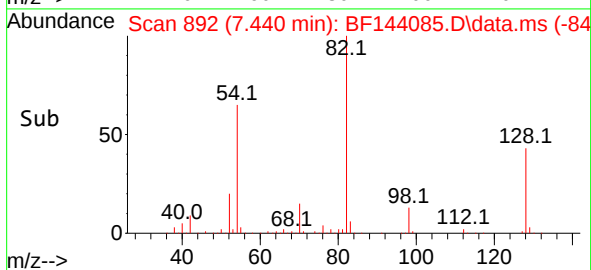
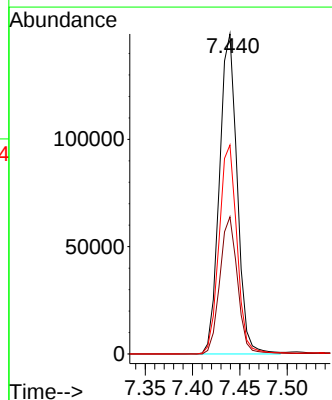
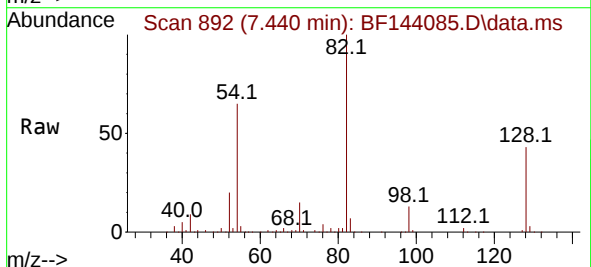
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.4	6.6	9.8
68	5.4	4.6	6.8

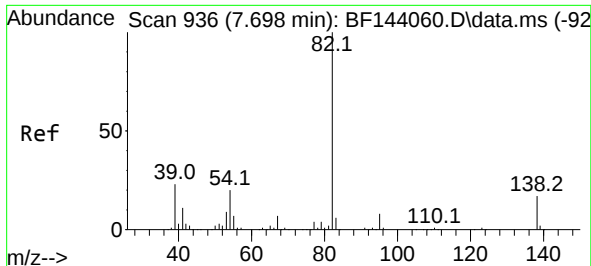


#23
Nitrobenzene-d5
Concen: 50.021 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF144085.D
Acq: 27 Oct 2025 16:03

Tgt Ion: 82 Resp: 194995

Ion	Ratio	Lower	Upper
82	100		
128	42.9	32.4	48.6
54	65.3	54.0	81.0

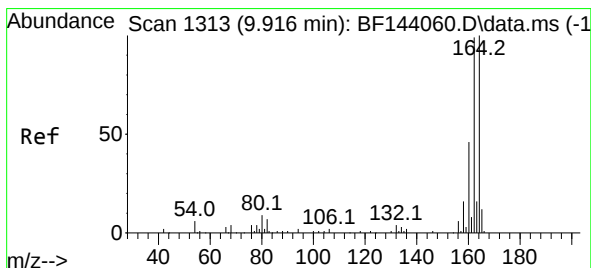
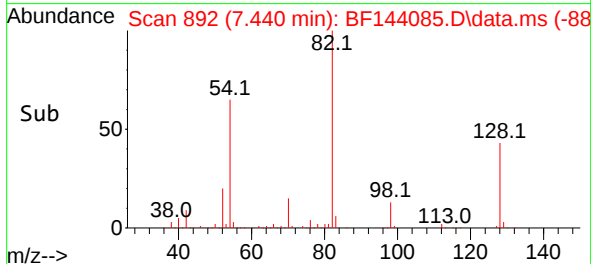
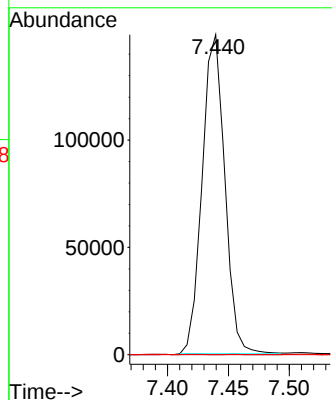
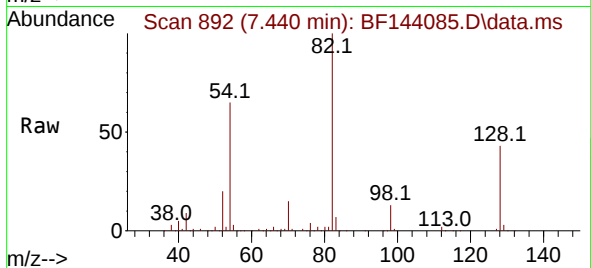




#25
Isophorone
Concen: 28.220 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.259 min
Lab File: BF144085.D
Acq: 27 Oct 2025 16:03

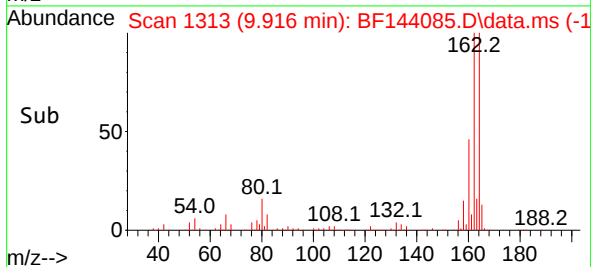
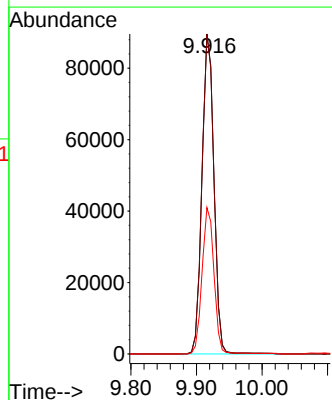
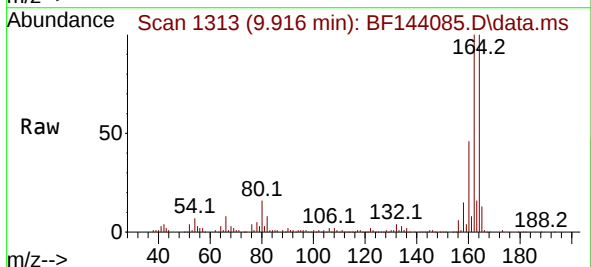
Instrument :
BNA_F
ClientSampleId :
NB-08-10212025

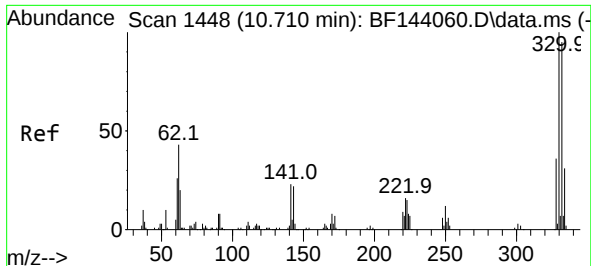
Tgt Ion: 82 Resp: 192326
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144085.D
Acq: 27 Oct 2025 16:03

Tgt Ion:164 Resp: 113858
Ion Ratio Lower Upper
164 100
162 99.9 79.4 119.2
160 45.7 36.7 55.1

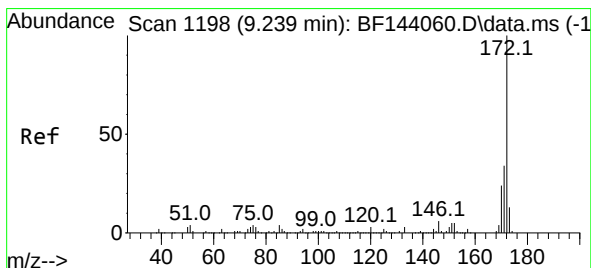
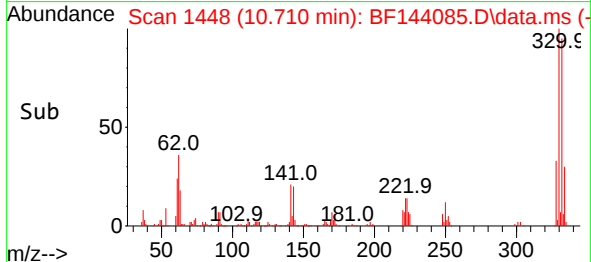
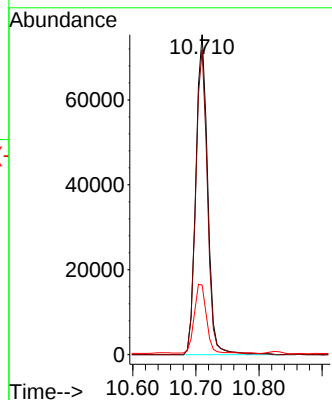
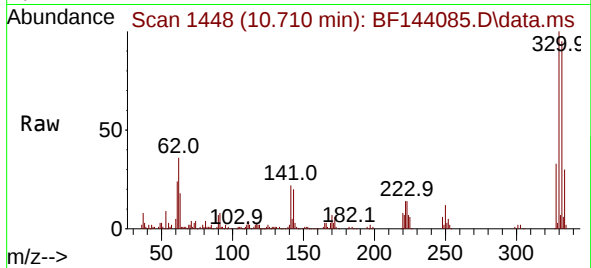




#42
2,4,6-Tribromophenol
Concen: 67.643 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144085.D
Acq: 27 Oct 2025 16:03

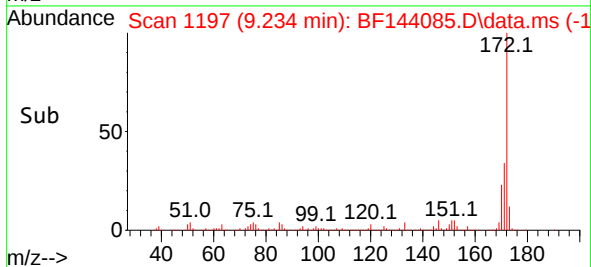
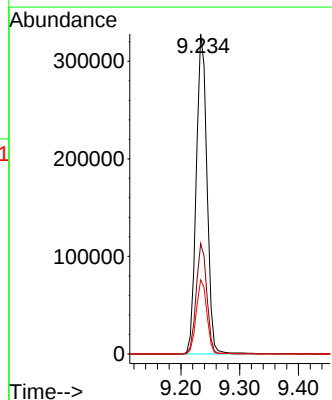
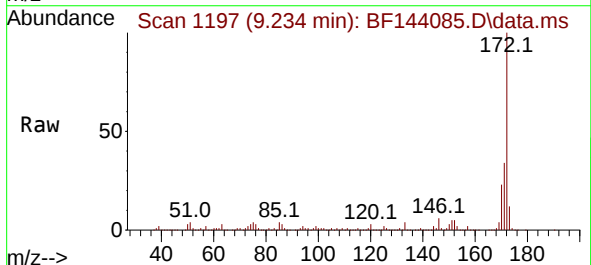
Instrument :
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ClientSampleId :
NB-08-10212025

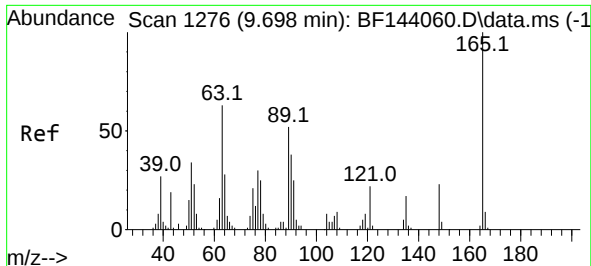
Tgt Ion:330 Resp: 98105
Ion Ratio Lower Upper
330 100
332 93.8 77.0 115.6
141 23.1 19.4 29.0



#45
2-Fluorobiphenyl
Concen: 51.573 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF144085.D
Acq: 27 Oct 2025 16:03

Tgt Ion:172 Resp: 417278
Ion Ratio Lower Upper
172 100
171 34.5 27.5 41.3
170 23.1 19.0 28.6

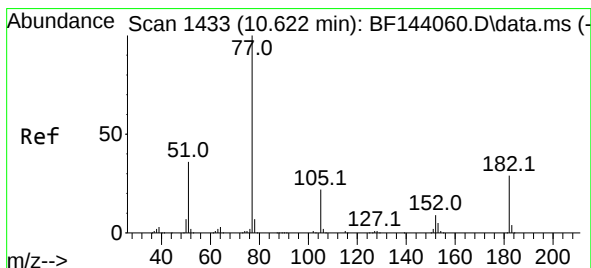
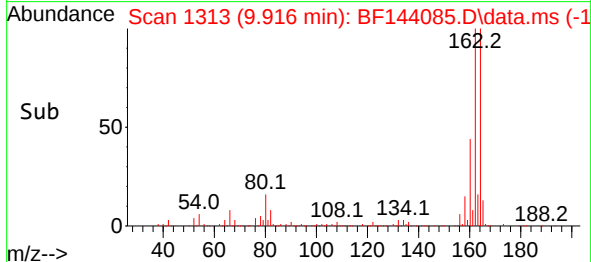
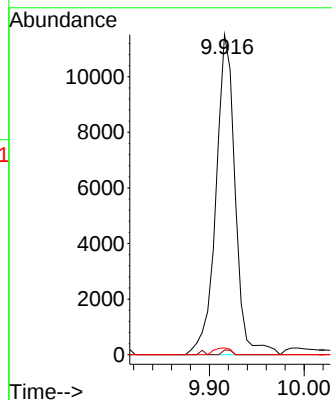
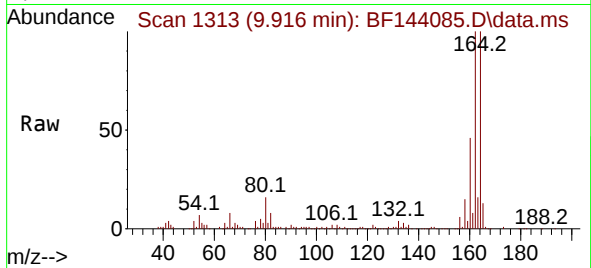




#51
2,6-Dinitrotoluene
Concen: 11.002 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF144085.D
Acq: 27 Oct 2025 16:03

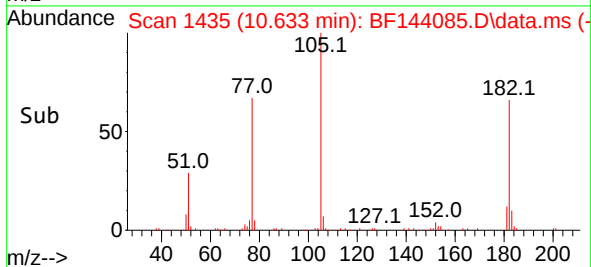
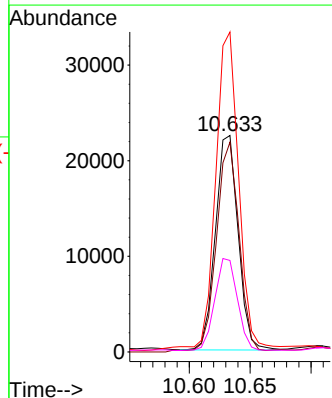
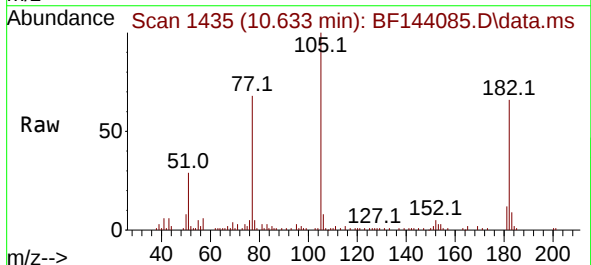
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NB-08-10212025

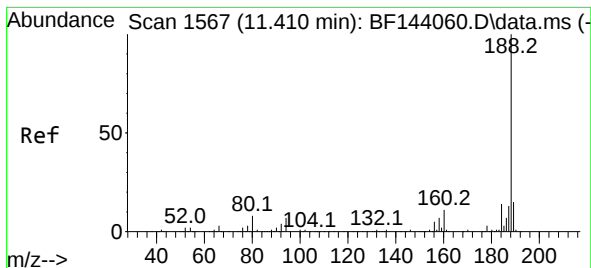
Tgt Ion:165 Resp: 16233
Ion Ratio Lower Upper
165 100
63 1.4 50.4 75.6#
89 2.1 41.4 62.2#



#63
Azobenzene
Concen: 4.391 ng
RT: 10.633 min Scan# 1435
Delta R.T. 0.012 min
Lab File: BF144085.D
Acq: 27 Oct 2025 16:03

Tgt Ion: 77 Resp: 29170
Ion Ratio Lower Upper
77 100
182 96.9 9.0 49.0#
105 147.8 1.4 41.4#
51 42.3 16.9 56.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF144085.D

Acq: 27 Oct 2025 16:03

Instrument :

BNA_F

ClientSampleId :

NB-08-10212025

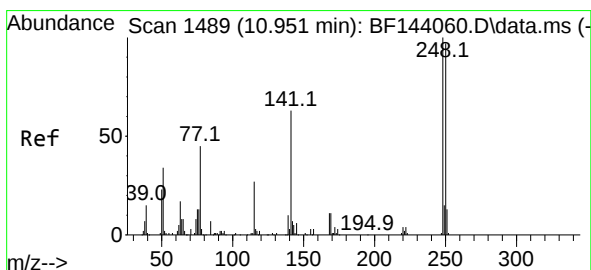
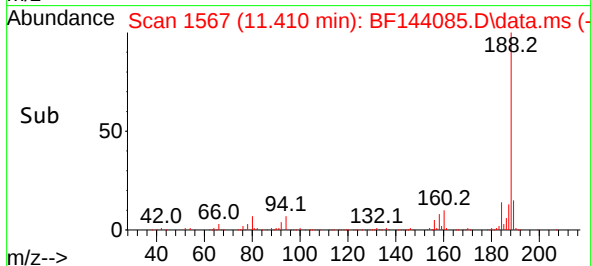
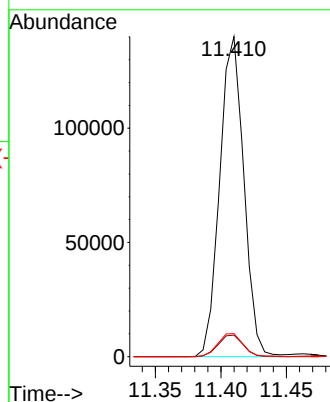
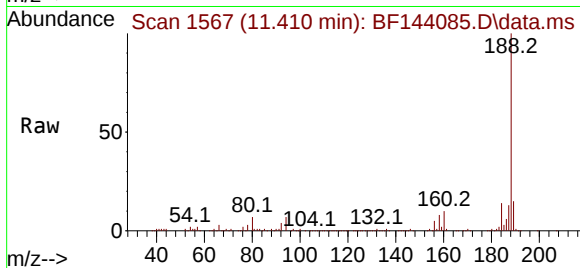
Tgt Ion:188 Resp: 178831

Ion Ratio Lower Upper

188 100

94 6.8 5.4 8.0

80 7.2 6.0 9.0



#67

4-Bromophenyl-phenylether

Concen: 2.493 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.241 min

Lab File: BF144085.D

Acq: 27 Oct 2025 16:03

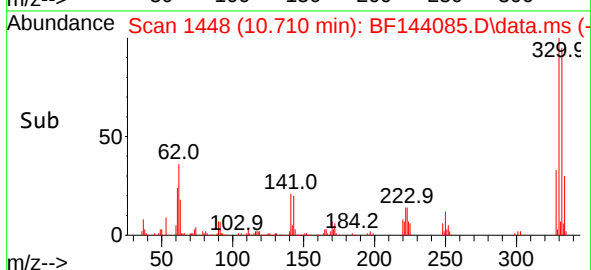
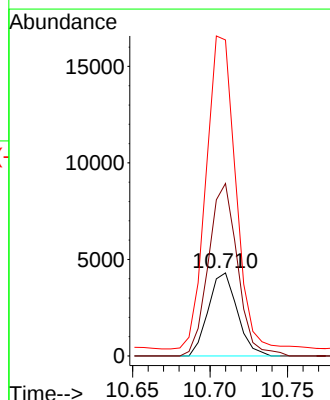
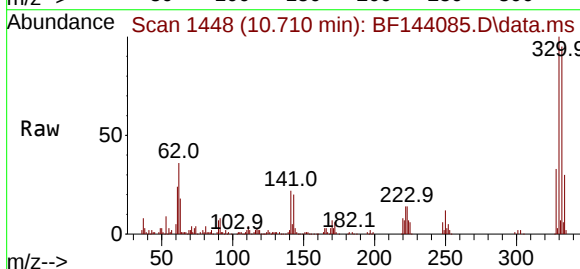
Tgt Ion:248 Resp: 5581

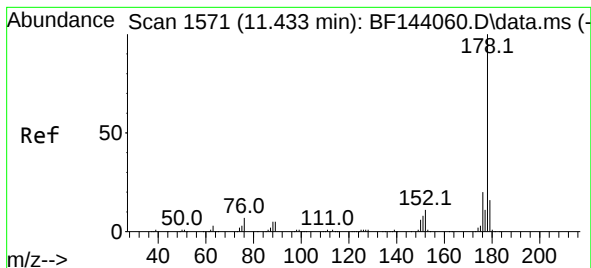
Ion Ratio Lower Upper

248 100

250 207.7 77.8 116.6#

141 380.7 50.5 75.7#





#71

Phenanthrene

Concen: 2.466 ng

RT: 11.433 min Scan# 1571

Delta R.T. 0.000 min

Lab File: BF144085.D

Acq: 27 Oct 2025 16:03

Instrument :

BNA_F

ClientSampleId :

NB-08-10212025

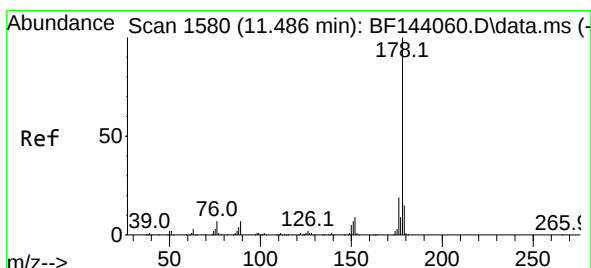
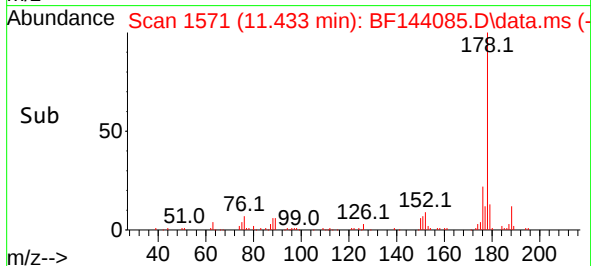
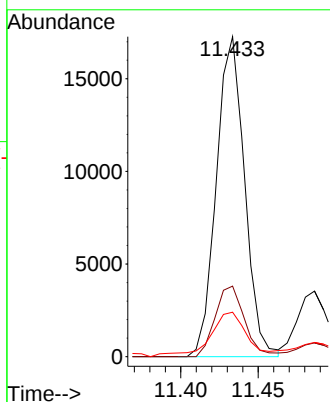
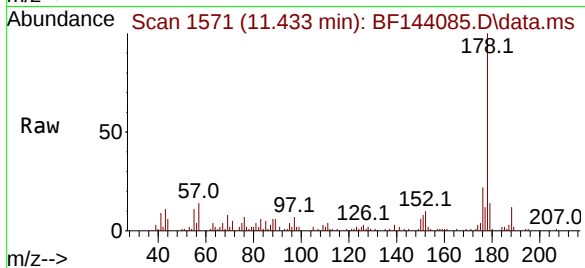
Tgt Ion:178 Resp: 21906

Ion Ratio Lower Upper

178 100

176 22.1 16.3 24.5

179 13.9 12.6 18.8



#72

Anthracene

Concen: 2.387 ng

RT: 11.433 min Scan# 1571

Delta R.T. -0.053 min

Lab File: BF144085.D

Acq: 27 Oct 2025 16:03

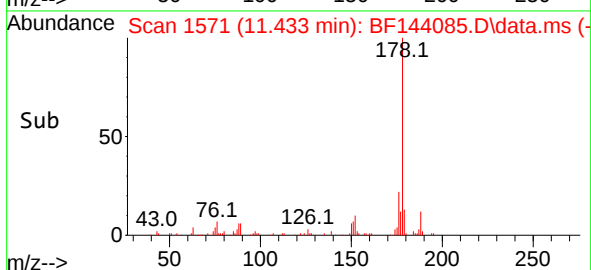
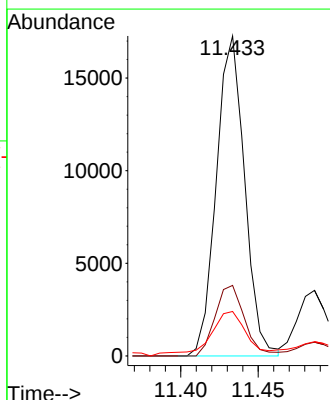
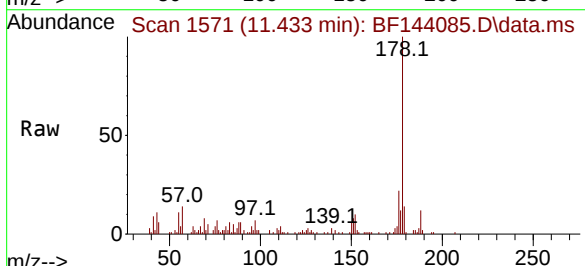
Tgt Ion:178 Resp: 21906

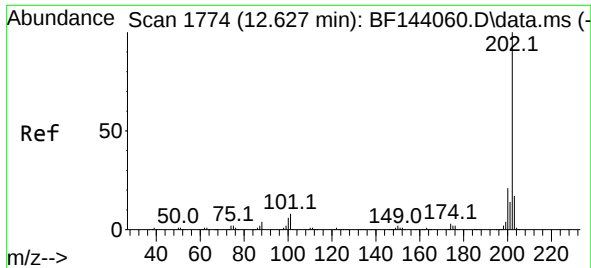
Ion Ratio Lower Upper

178 100

176 22.1 15.0 22.4

179 13.9 11.8 17.6

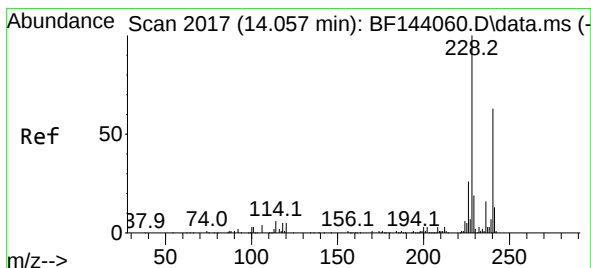
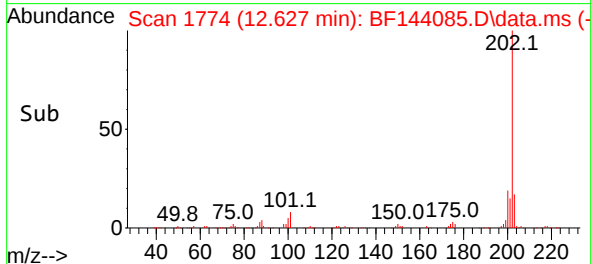
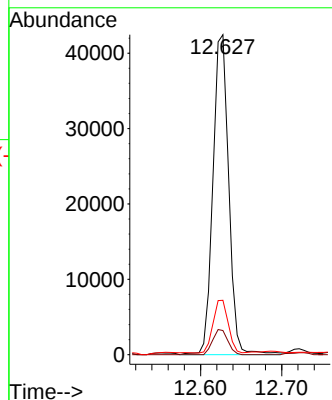
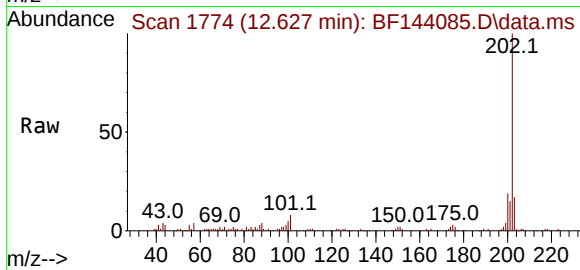




#75
Fluoranthene
Concen: 5.853 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF144085.D
Acq: 27 Oct 2025 16:03

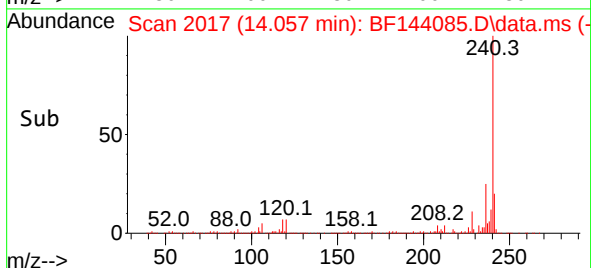
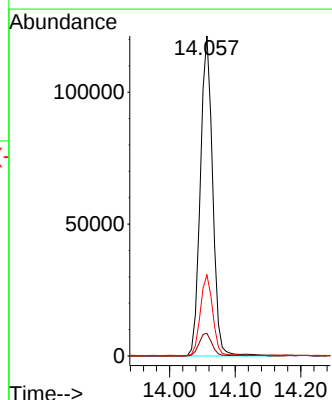
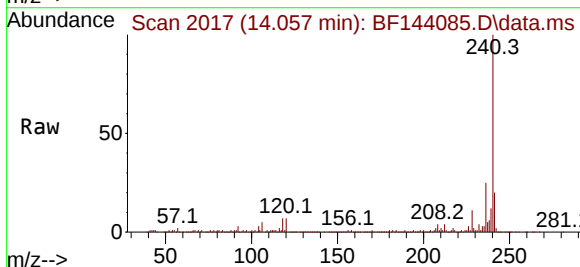
Instrument :
BNA_F
ClientSampleId :
NB-08-10212025

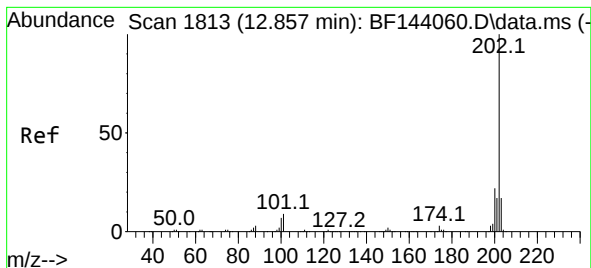
Tgt Ion:202 Resp: 57443
Ion Ratio Lower Upper
202 100
101 7.5 0.0 27.7
203 17.0 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144085.D
Acq: 27 Oct 2025 16:03

Tgt Ion:240 Resp: 158847
Ion Ratio Lower Upper
240 100
120 7.1 6.5 9.7
236 25.3 20.1 30.1





#78

Pyrene

Concen: 4.500 ng

RT: 12.857 min Scan# 1813

Delta R.T. 0.000 min

Lab File: BF144085.D

Acq: 27 Oct 2025 16:03

Instrument :

BNA_F

ClientSampleId :

NB-08-10212025

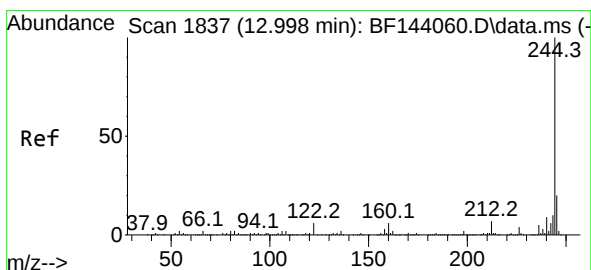
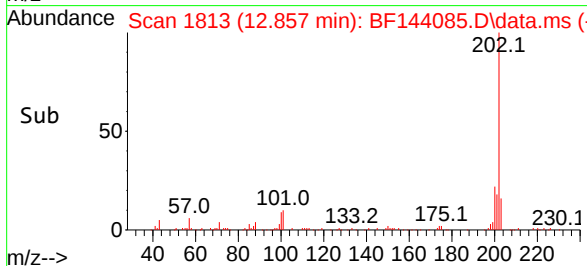
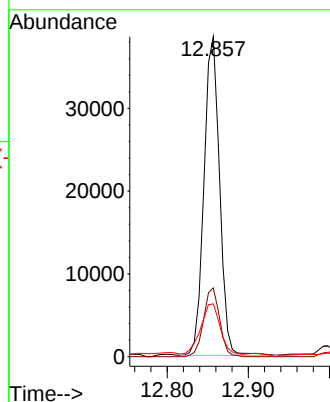
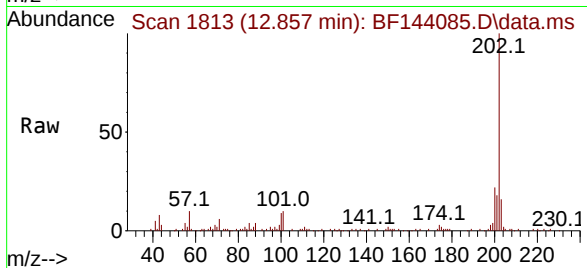
Tgt Ion:202 Resp: 51385

Ion Ratio Lower Upper

202 100

200 21.5 17.2 25.8

203 16.5 13.5 20.3



#79

Terphenyl-d14

Concen: 44.555 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.000 min

Lab File: BF144085.D

Acq: 27 Oct 2025 16:03

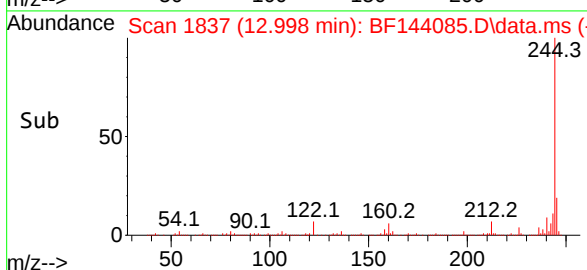
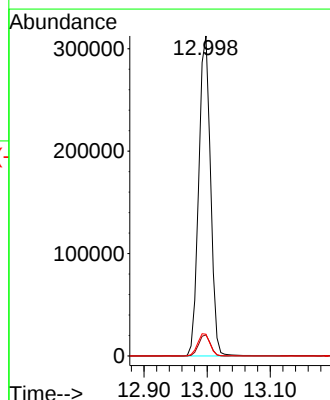
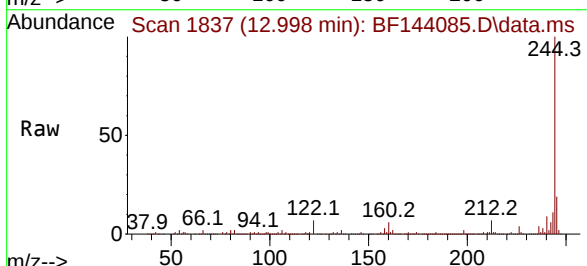
Tgt Ion:244 Resp: 404837

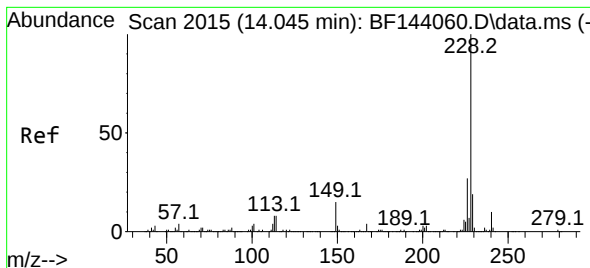
Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.6

122 6.8 4.9 7.3





#81

Benzo(a)anthracene

Concen: 3.144 ng

RT: 14.045 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF144085.D

Acq: 27 Oct 2025 16:03

Instrument :

BNA_F

ClientSampleId :

NB-08-10212025

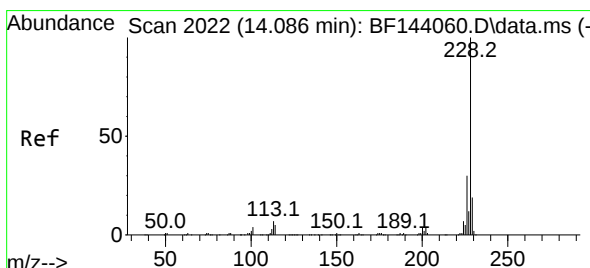
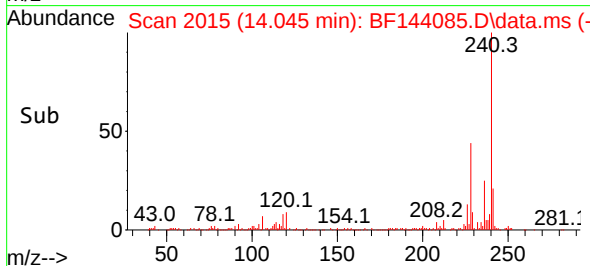
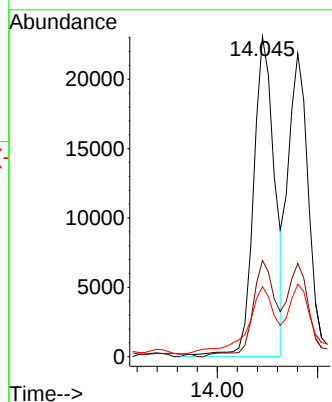
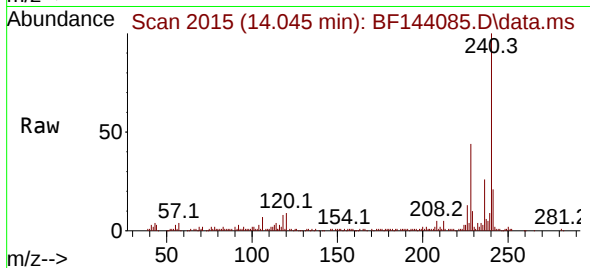
Tgt Ion:228 Resp: 33754

Ion Ratio Lower Upper

228 100

226 30.1 21.4 32.2

229 21.9 15.3 22.9



#83

Chrysene

Concen: 3.351 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.041 min

Lab File: BF144085.D

Acq: 27 Oct 2025 16:03

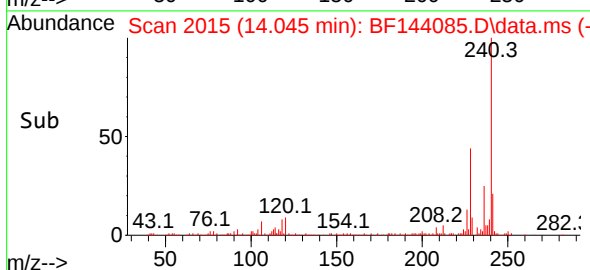
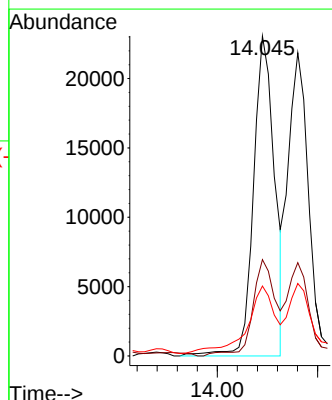
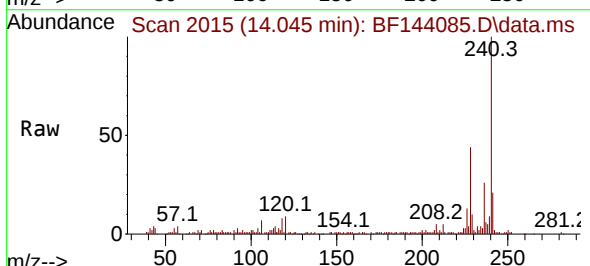
Tgt Ion:228 Resp: 33754

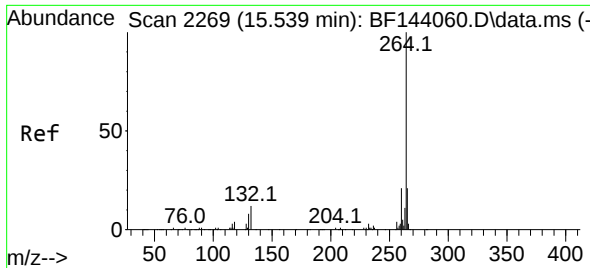
Ion Ratio Lower Upper

228 100

226 30.1 23.8 35.6

229 21.9 15.6 23.4

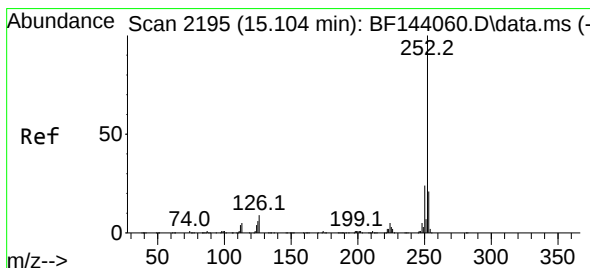
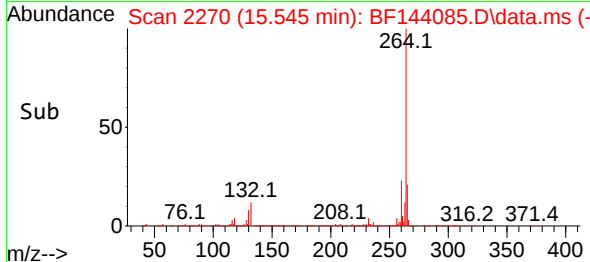
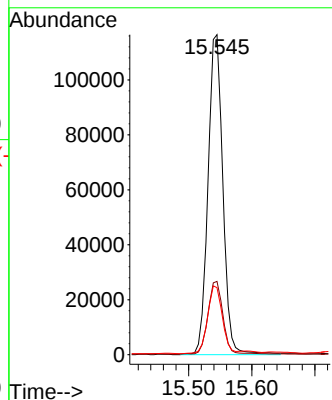
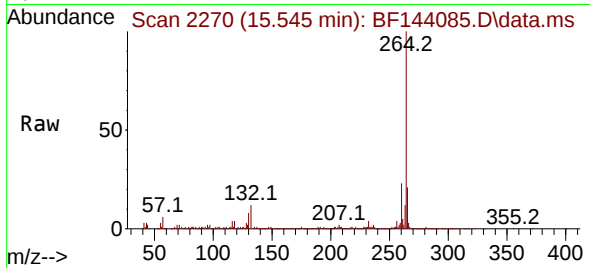




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2196
 Delta R.T. 0.006 min
 Lab File: BF144085.D
 Acq: 27 Oct 2025 16:03

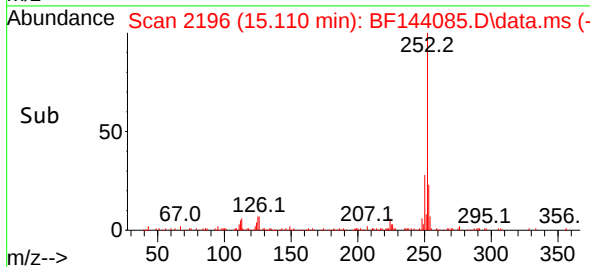
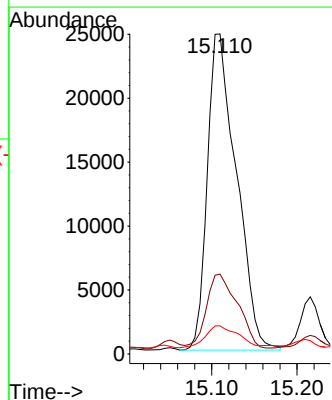
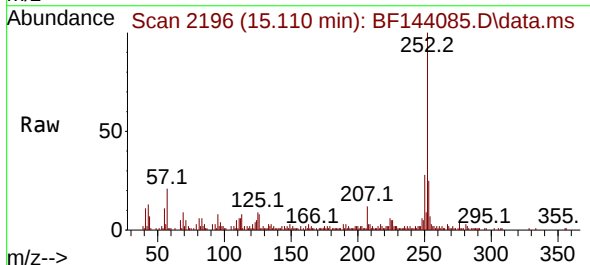
Instrument :
 BNA_F
 ClientSampleId :
 NB-08-10212025

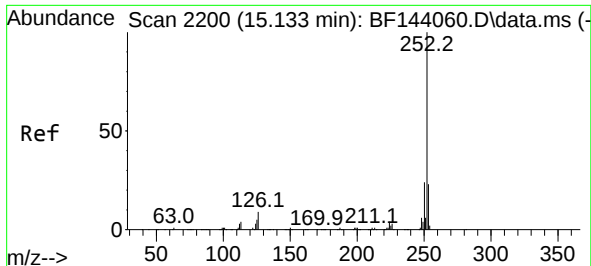
Tgt Ion:264 Resp: 190402
 Ion Ratio Lower Upper
 264 100
 260 22.9 17.0 25.4
 265 21.0 16.6 24.8



#88
 Benzo(b)fluoranthene
 Concen: 5.447 ng
 RT: 15.110 min Scan# 2196
 Delta R.T. 0.006 min
 Lab File: BF144085.D
 Acq: 27 Oct 2025 16:03

Tgt Ion:252 Resp: 58628
 Ion Ratio Lower Upper
 252 100
 253 24.9 17.2 25.8
 125 8.8 5.0 7.6#

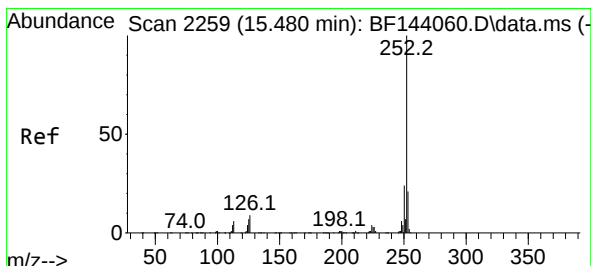
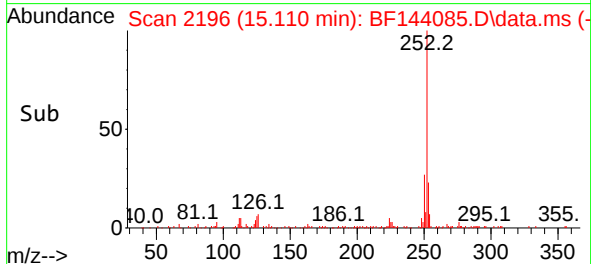
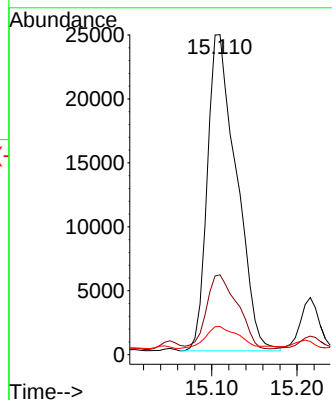
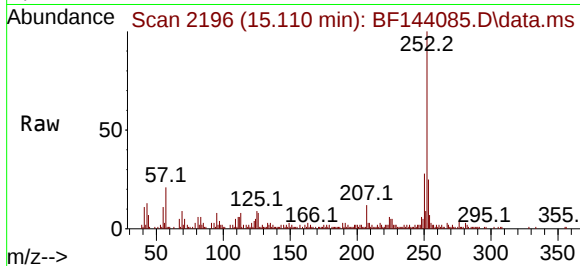




#89
Benzo(k)fluoranthene
Concen: 5.903 ng
RT: 15.110 min Scan# 2110
Delta R.T. -0.023 min
Lab File: BF144085.D
Acq: 27 Oct 2025 16:03

Instrument :
BNA_F
ClientSampleId :
NB-08-10212025

Tgt Ion:252 Resp: 58628
Ion Ratio Lower Upper
252 100
253 24.9 17.4 26.2
125 8.8 4.9 7.3#



#90
Benzo(a)pyrene
Concen: 3.157 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.006 min
Lab File: BF144085.D
Acq: 27 Oct 2025 16:03

Tgt Ion:252 Resp: 30486
Ion Ratio Lower Upper
252 100
253 26.9 17.1 25.7#
125 11.8 5.4 8.2#

