

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072925\
 Data File : BF143262.D
 Acq On : 29 Jul 2025 18:09
 Operator : RC/JU
 Sample : Q2703-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Time: Jul 29 18:30:14 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

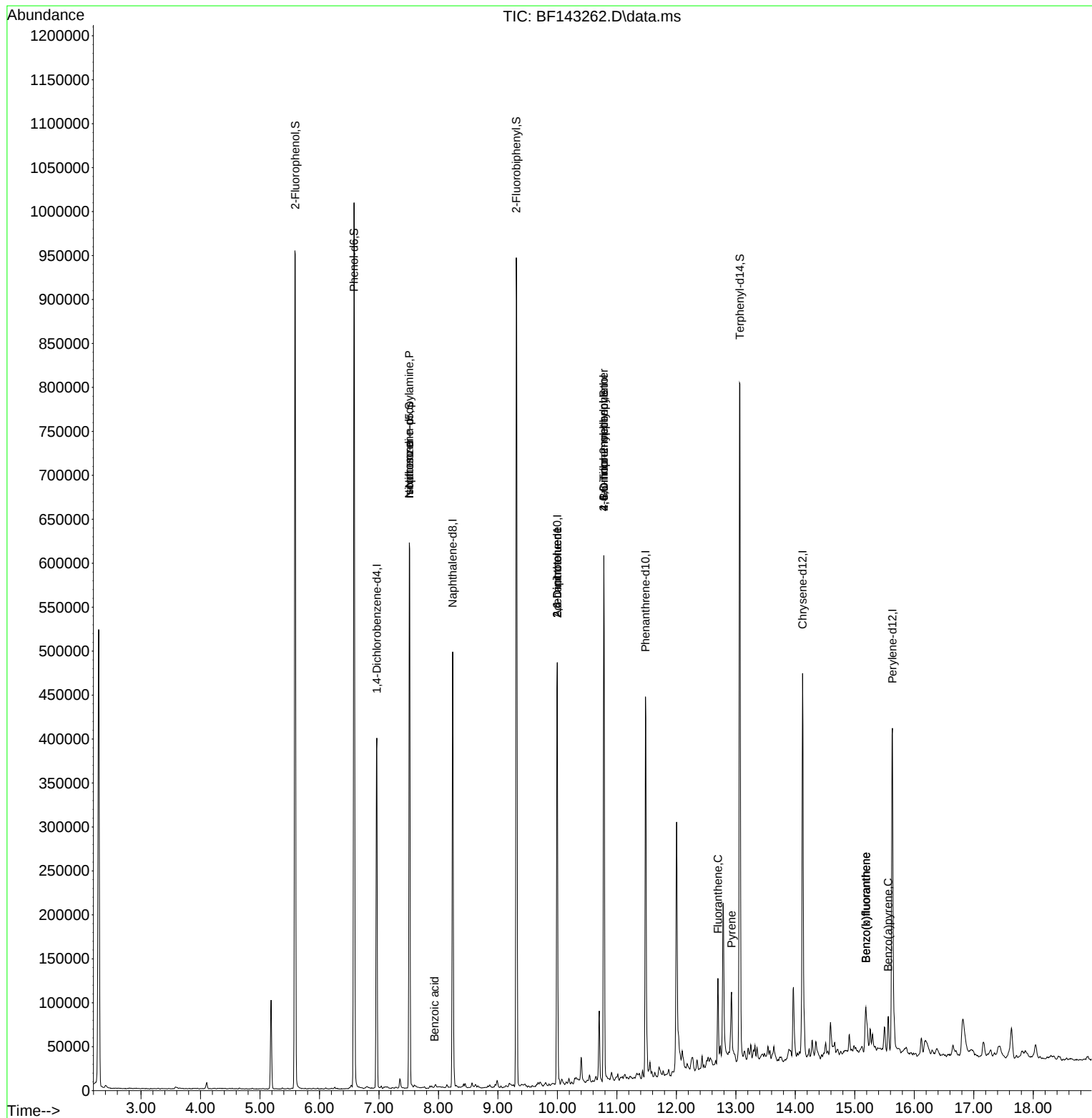
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	82842	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	297441	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	140436	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	219688	20.000	ng	0.00
76) Chrysene-d12	14.121	240	188847	20.000	ng	0.00
86) Perylene-d12	15.633	264	217272	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.592	112	348259	66.525	ng	0.00
7) Phenol-d6	6.581	99	439026	66.628	ng	0.00
23) Nitrobenzene-d5	7.510	82	268426	44.985	ng	-0.01
42) 2,4,6-Tribromophenol	10.780	330	97662	67.317	ng	0.00
45) 2-Fluorobiphenyl	9.310	172	408545	39.786	ng	-0.01
79) Terphenyl-d14	13.068	244	370925	29.229	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.510	70	36514	8.637	ng	# 81
25) Isophorone	7.510	82	266136	25.265	ng	# 66
32) Benzoic acid	7.933	122	55	5.196	ng	# 77
51) 2,6-Dinitrotoluene	9.998	165	18827	10.110	ng	# 23
57) 2,4-Dinitrotoluene	9.998	165	18827	8.058	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.780	198	143	5.523	ng	# 1
67) 4-Bromophenyl-phenylether	10.780	248	6088	2.325	ng	# 1
75) Fluoranthene	12.698	202	47201	4.409	ng	99
78) Pyrene	12.927	202	44393	2.754	ng	99
88) Benzo(b)fluoranthene	15.186	252	39077	2.944	ng	# 96
89) Benzo(k)fluoranthene	15.186	252	39077	3.299	ng	# 96
90) Benzo(a)pyrene	15.562	252	24989	2.043	ng	98

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

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
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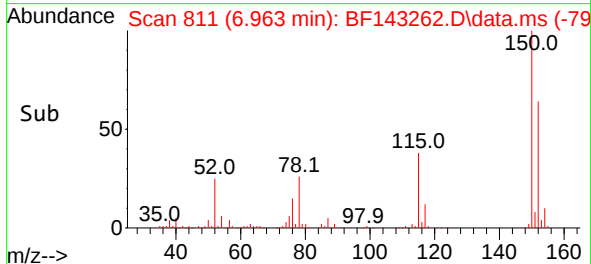
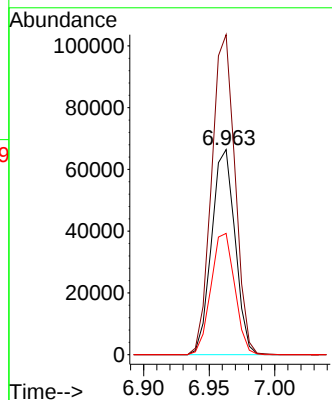
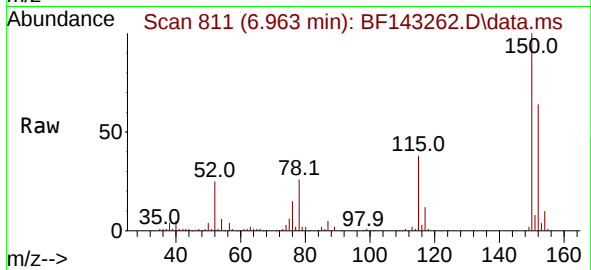




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143262.D
Acq: 29 Jul 2025 18:09

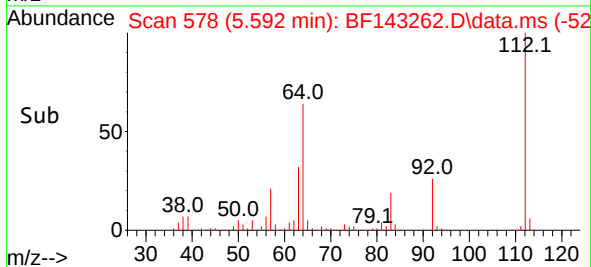
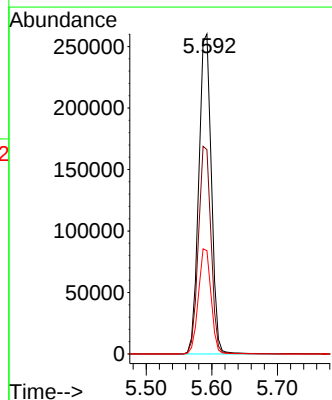
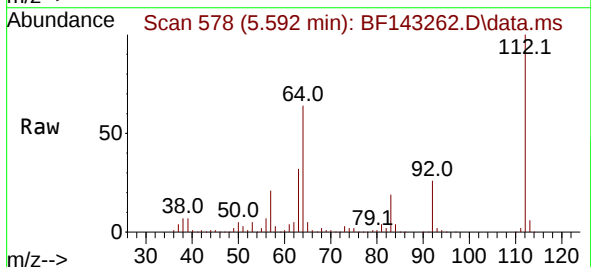
Instrument :
BNA_F
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TP-4

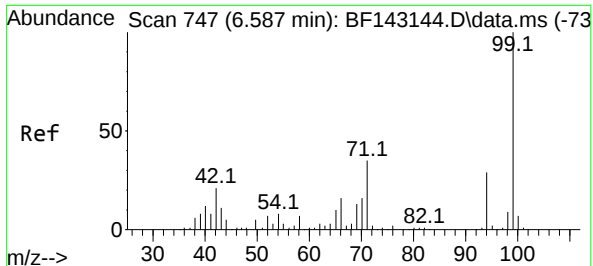
Tgt Ion:152 Resp: 82842
Ion Ratio Lower Upper
152 100
150 156.0 128.2 192.4
115 59.2 47.9 71.9



#5
2-Fluorophenol
Concen: 66.525 ng
RT: 5.592 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143262.D
Acq: 29 Jul 2025 18:09

Tgt Ion:112 Resp: 348259
Ion Ratio Lower Upper
112 100
64 63.9 53.1 79.7
63 32.3 26.6 40.0

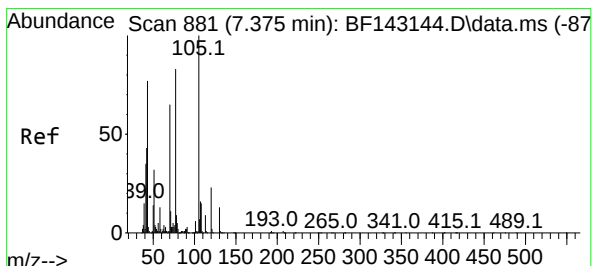
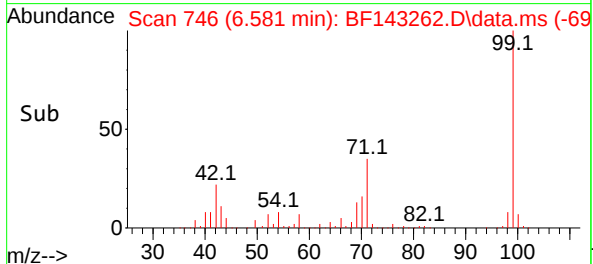
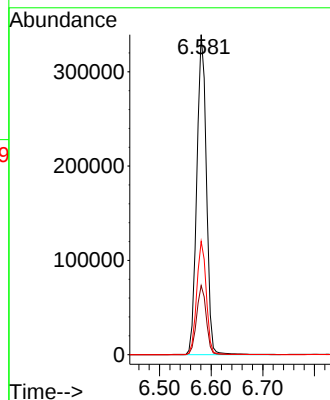
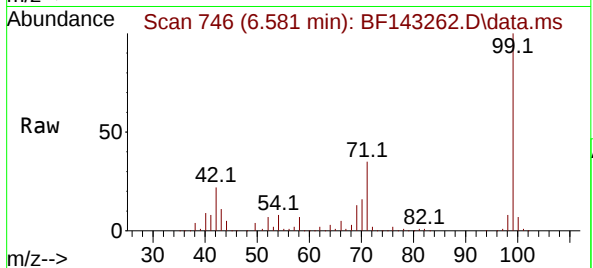




#7
Phenol-d6
Concen: 66.628 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143262.D
Acq: 29 Jul 2025 18:09

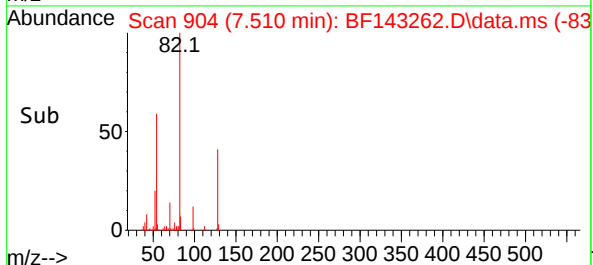
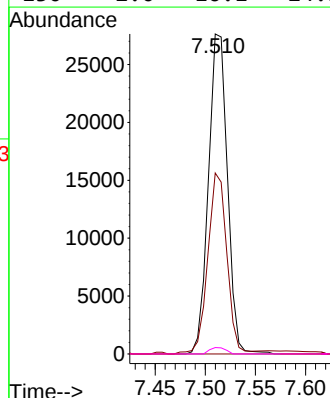
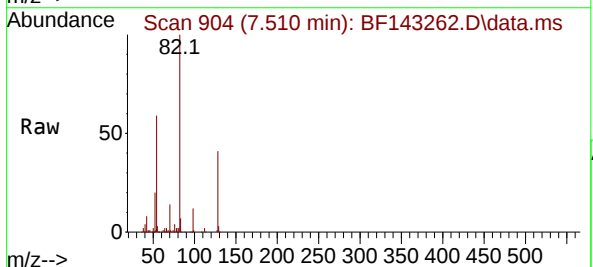
Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion: 99 Resp: 439026
Ion Ratio Lower Upper
99 100
42 21.6 17.0 25.6
71 35.4 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 8.637 ng
RT: 7.510 min Scan# 904
Delta R.T. 0.135 min
Lab File: BF143262.D
Acq: 29 Jul 2025 18:09

Tgt Ion: 70 Resp: 36514
Ion Ratio Lower Upper
70 100
42 56.5 52.5 78.7
101 0.0 7.6 11.4#
130 2.0 16.1 24.1#

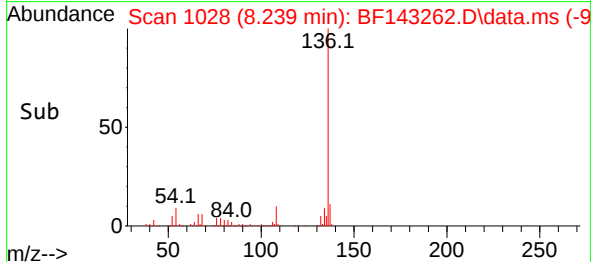
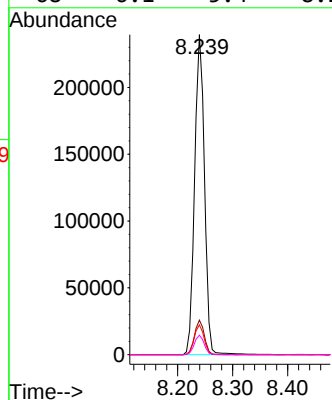
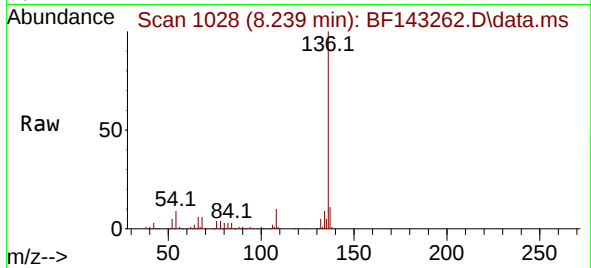




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143262.D
Acq: 29 Jul 2025 18:09

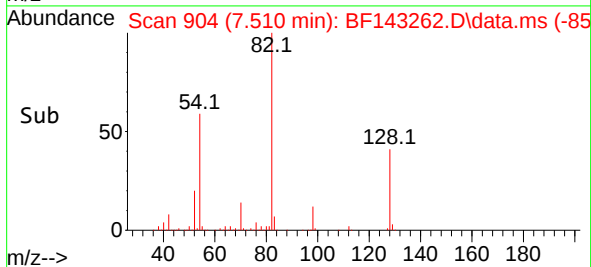
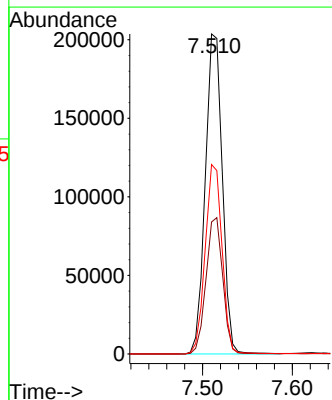
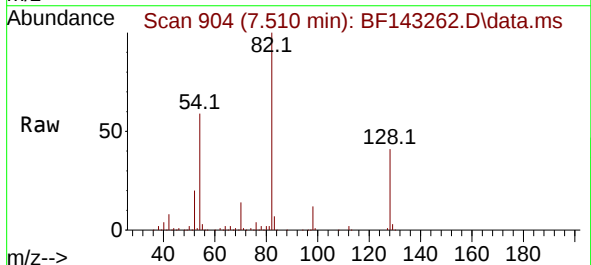
Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt	Ion:136	Resp:	297441
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.3	8.2	12.2
68	6.1	5.4	8.2



#23
Nitrobenzene-d5
Concen: 44.985 ng
RT: 7.510 min Scan# 904
Delta R.T. -0.012 min
Lab File: BF143262.D
Acq: 29 Jul 2025 18:09

Tgt Ion: 82	Resp: 268426
Ion Ratio	Lower Upper
82 100	
128 41.2	33.6 50.4
54 59.2	47.1 70.7

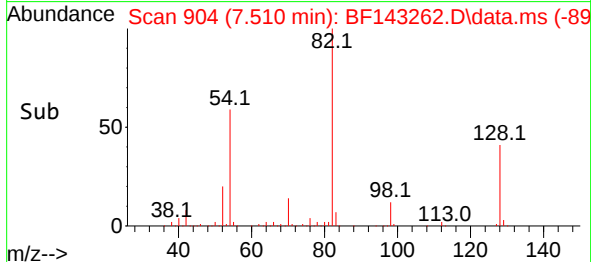
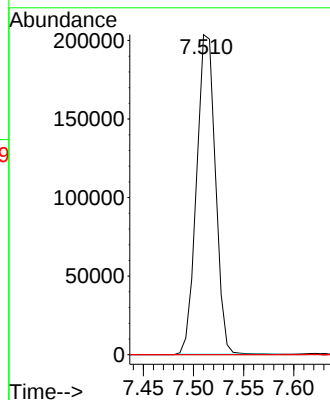
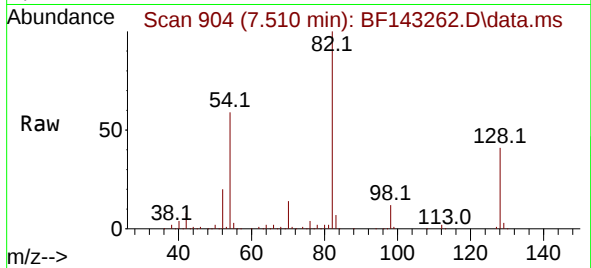




#25
Isophorone
Concen: 25.265 ng
RT: 7.510 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF143262.D
Acq: 29 Jul 2025 18:09

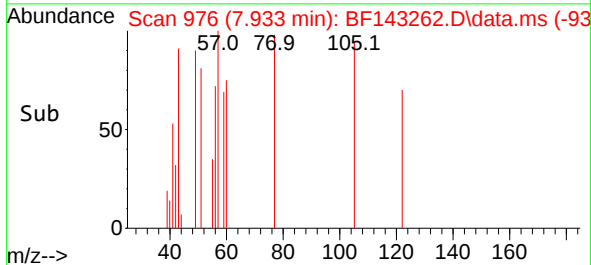
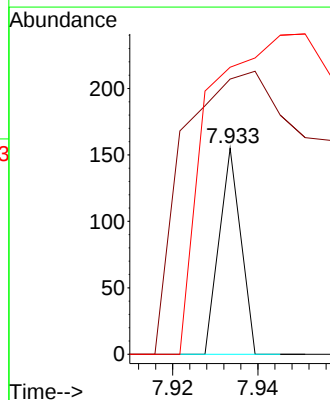
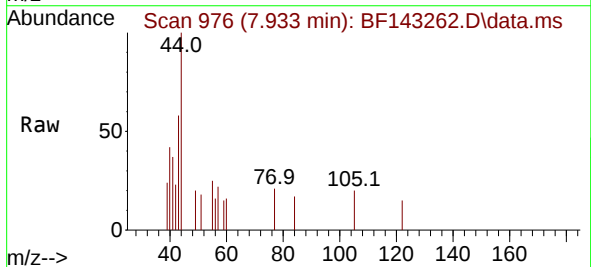
Instrument :
BNA_F
ClientSampleId :
TP-4

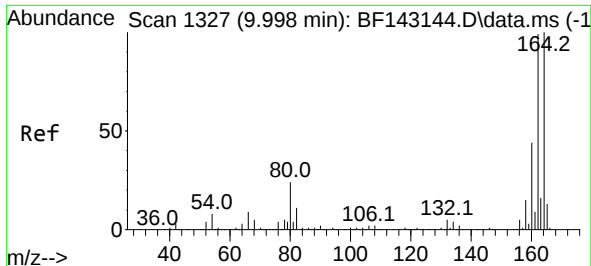
Tgt Ion: 82 Resp: 266136
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#32
Benzoic acid
Concen: 5.196 ng
RT: 7.933 min Scan# 976
Delta R.T. -0.059 min
Lab File: BF143262.D
Acq: 29 Jul 2025 18:09

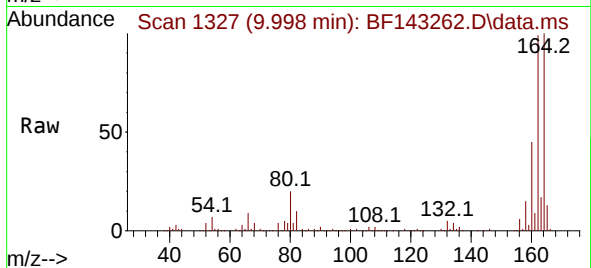
Tgt Ion:122 Resp: 55
Ion Ratio Lower Upper
122 100
105 133.5 104.8 144.8
77 139.4 77.6 117.6#



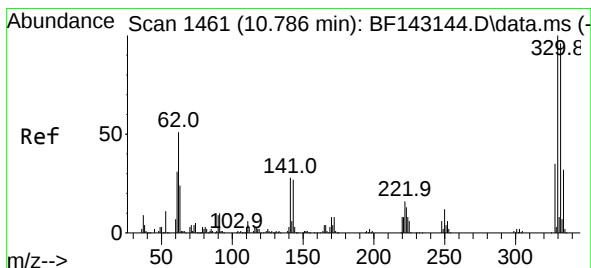
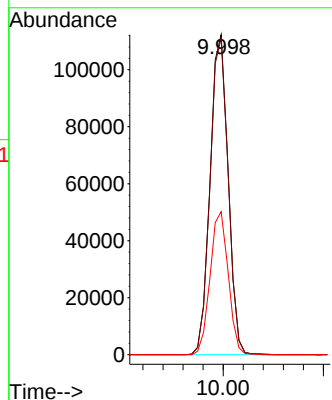
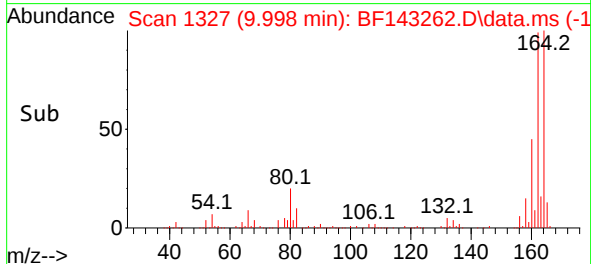


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143262.D
Acq: 29 Jul 2025 18:09

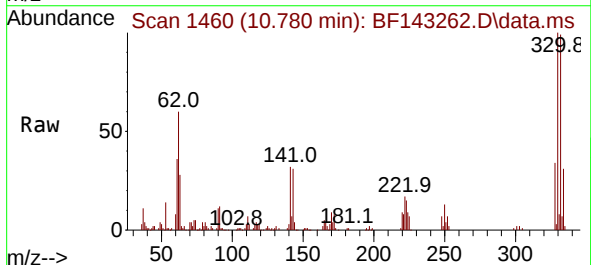
Instrument :
BNA_F
ClientSampleId :
TP-4



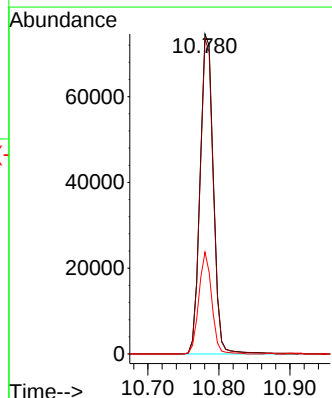
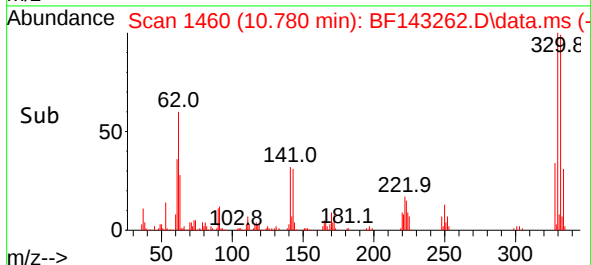
Tgt Ion:164 Resp: 140436
Ion Ratio Lower Upper
164 100
162 98.9 79.0 118.6
160 44.7 35.1 52.7

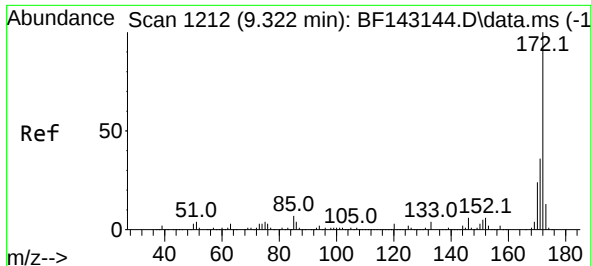


#42
2,4,6-Tribromophenol
Concen: 67.317 ng
RT: 10.780 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF143262.D
Acq: 29 Jul 2025 18:09



Tgt Ion:330 Resp: 97662
Ion Ratio Lower Upper
330 100
332 98.2 76.7 115.1
141 30.6 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 39.786 ng

RT: 9.310 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF143262.D

Acq: 29 Jul 2025 18:09

Instrument :

BNA_F

ClientSampleId :

TP-4

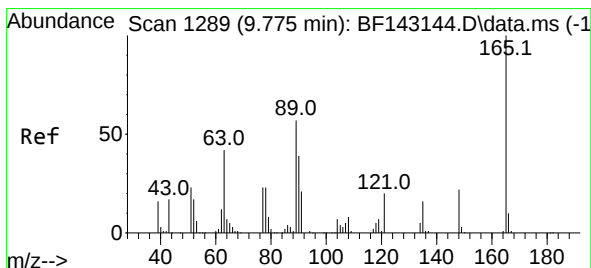
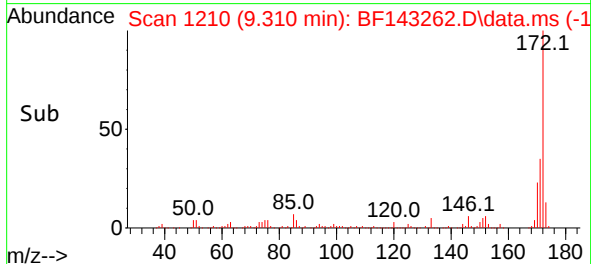
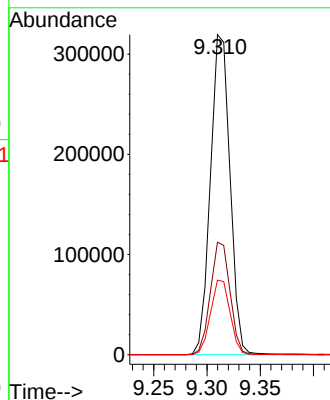
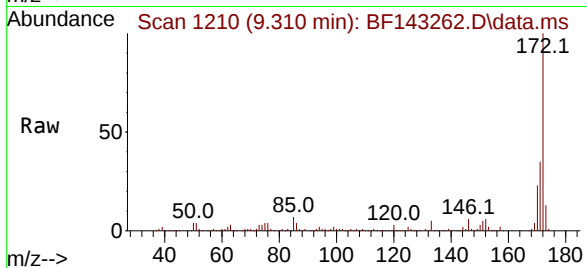
Tgt Ion:172 Resp: 408545

Ion Ratio Lower Upper

172 100

171 35.1 28.6 42.8

170 23.3 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 10.110 ng

RT: 9.998 min Scan# 1327

Delta R.T. 0.223 min

Lab File: BF143262.D

Acq: 29 Jul 2025 18:09

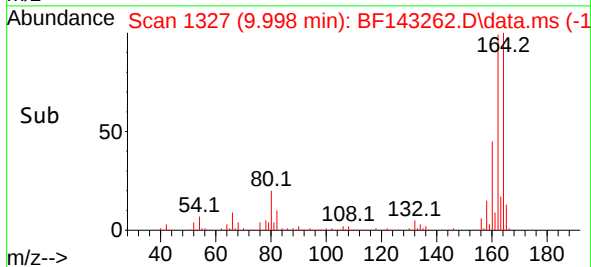
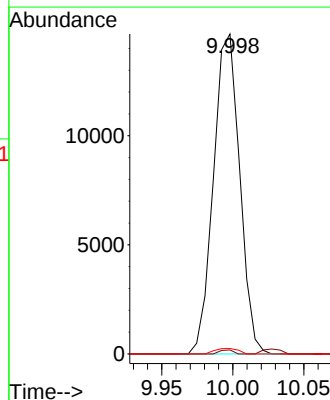
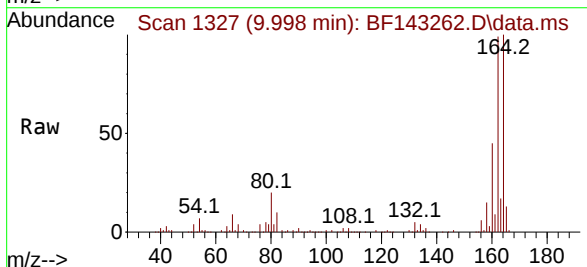
Tgt Ion:165 Resp: 18827

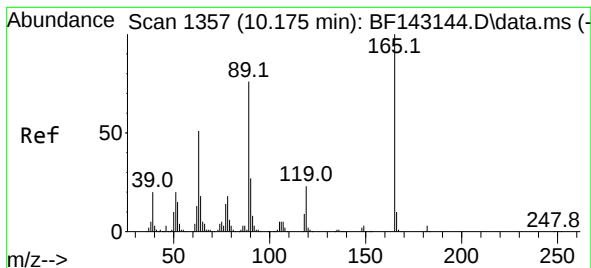
Ion Ratio Lower Upper

165 100

63 1.2 49.4 74.2#

89 1.7 46.2 69.2#





#57

2,4-Dinitrotoluene

Concen: 8.058 ng

RT: 9.998 min Scan# 1

Delta R.T. -0.177 min

Lab File: BF143262.D

Acq: 29 Jul 2025 18:09

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:165 Resp: 18827

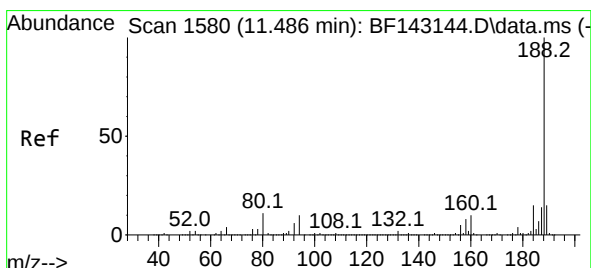
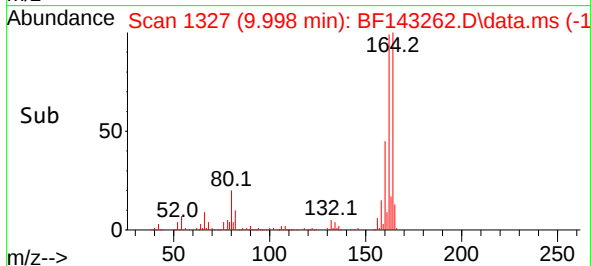
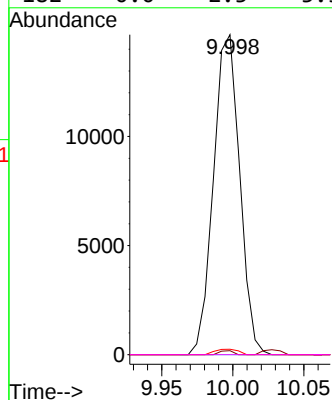
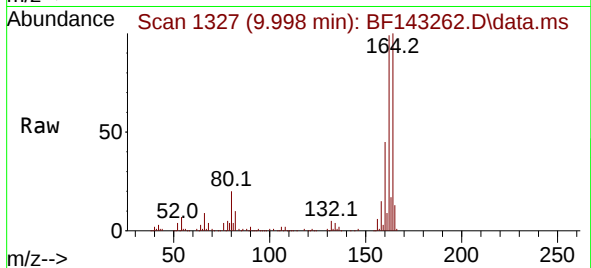
Ion Ratio Lower Upper

165 100

63 1.2 41.0 61.4#

89 1.7 61.1 91.7#

182 0.0 2.3 3.5#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.480 min Scan# 1579

Delta R.T. -0.006 min

Lab File: BF143262.D

Acq: 29 Jul 2025 18:09

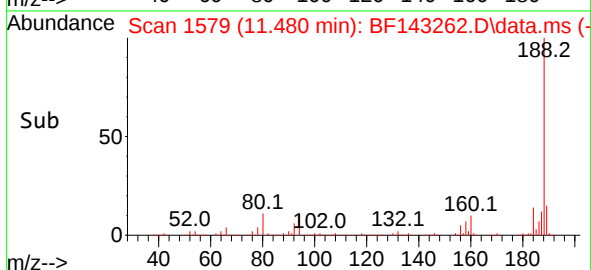
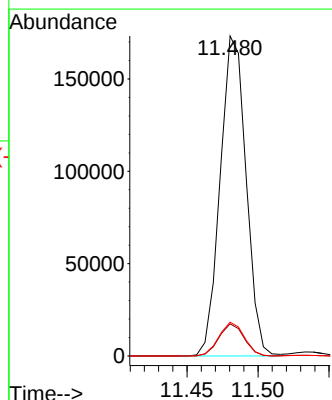
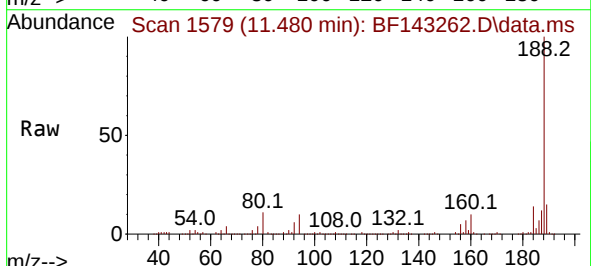
Tgt Ion:188 Resp: 219688

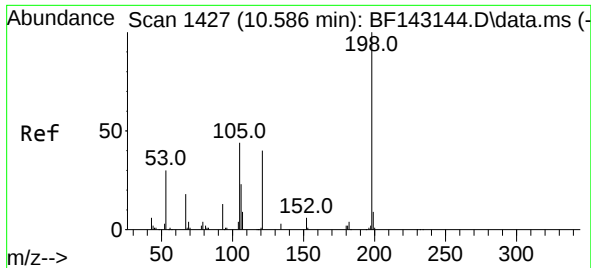
Ion Ratio Lower Upper

188 100

94 10.0 8.3 12.5

80 10.6 9.0 13.6

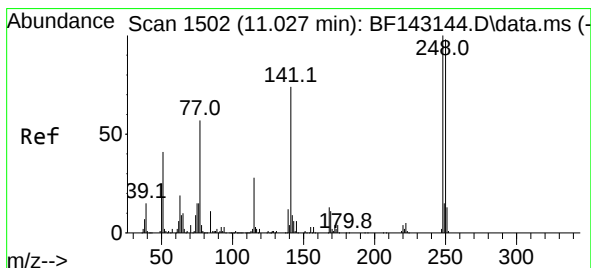
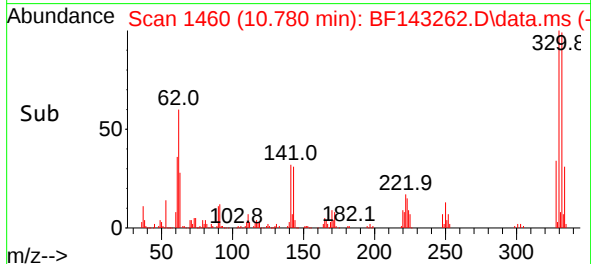
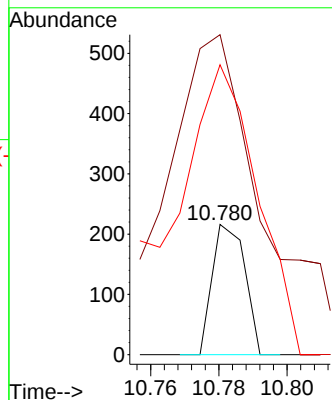
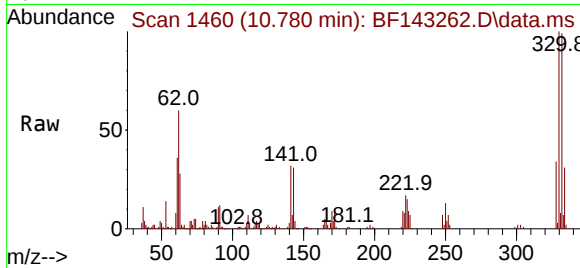




#65
4,6-Dinitro-2-methylphenol
Concen: 5.523 ng
RT: 10.780 min Scan# 1427
Delta R.T. 0.194 min
Lab File: BF143262.D
Acq: 29 Jul 2025 18:09

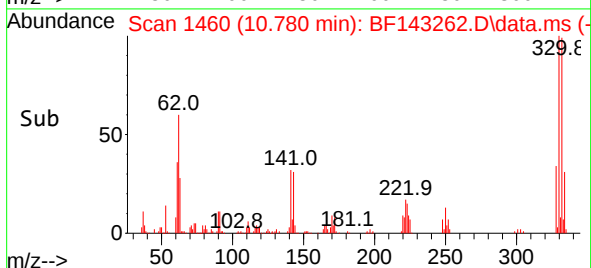
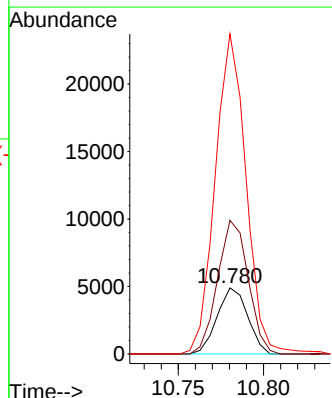
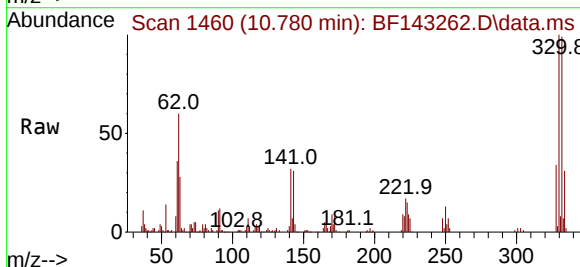
Instrument :
BNA_F
ClientSampleId :
TP-4

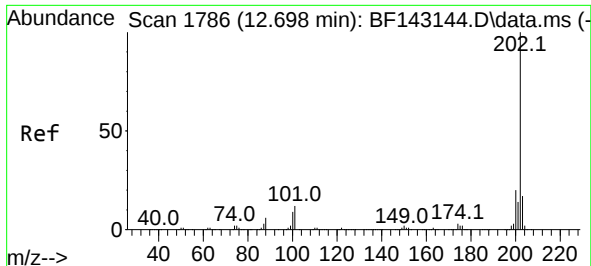
Tgt Ion:198 Resp: 143
Ion Ratio Lower Upper
198 100
51 245.8 37.2 77.2#
105 222.7 24.8 64.8#



#67
4-Bromophenyl-phenylether
Concen: 2.325 ng
RT: 10.780 min Scan# 1460
Delta R.T. -0.247 min
Lab File: BF143262.D
Acq: 29 Jul 2025 18:09

Tgt Ion:248 Resp: 6088
Ion Ratio Lower Upper
248 100
250 202.3 78.3 117.5#
141 484.4 59.2 88.8#

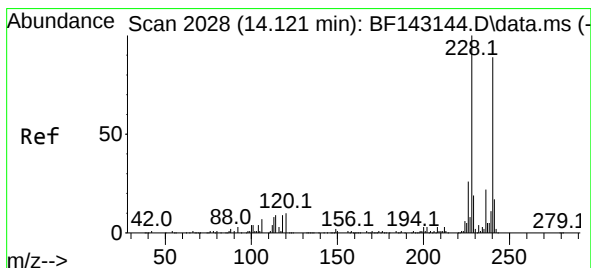
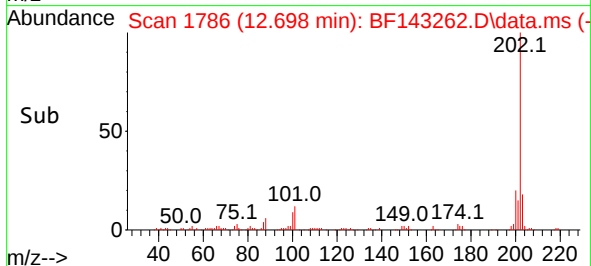
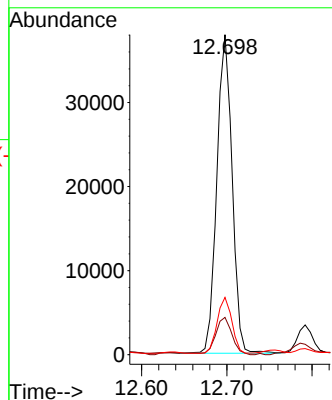
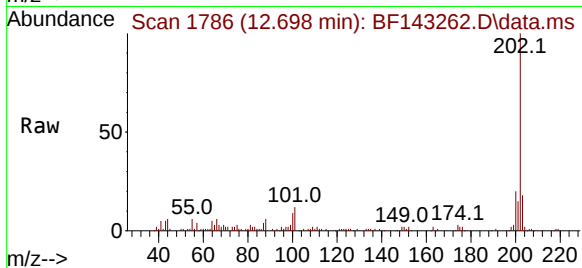




#75
Fluoranthene
Concen: 4.409 ng
RT: 12.698 min Scan# 1786
Delta R.T. -0.000 min
Lab File: BF143262.D
Acq: 29 Jul 2025 18:09

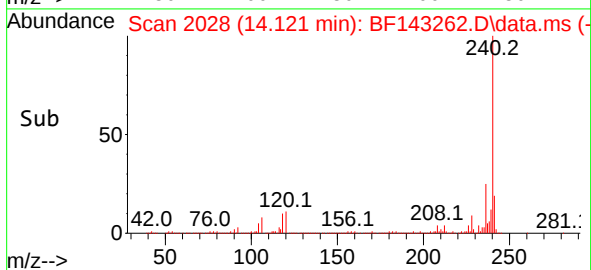
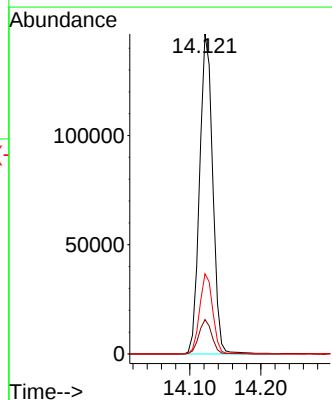
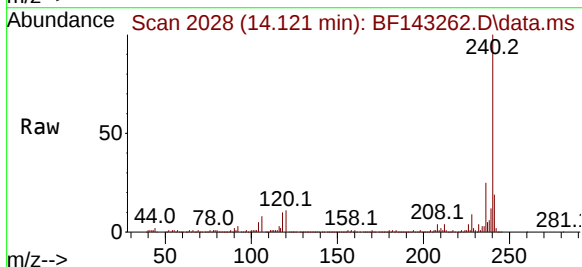
Instrument :
BNA_F
ClientSampleId :
TP-4

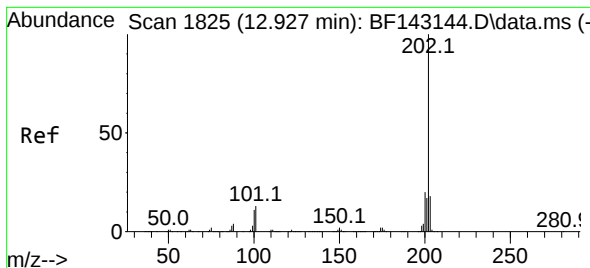
Tgt Ion:202 Resp: 47201
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.7
203 17.9 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF143262.D
Acq: 29 Jul 2025 18:09

Tgt Ion:240 Resp: 188847
Ion Ratio Lower Upper
240 100
120 10.8 9.4 14.2
236 25.0 20.2 30.4





#78

Pyrene

Concen: 2.754 ng

RT: 12.927 min Scan# 1825

Delta R.T. -0.000 min

Lab File: BF143262.D

Acq: 29 Jul 2025 18:09

Instrument :

BNA_F

ClientSampleId :

TP-4

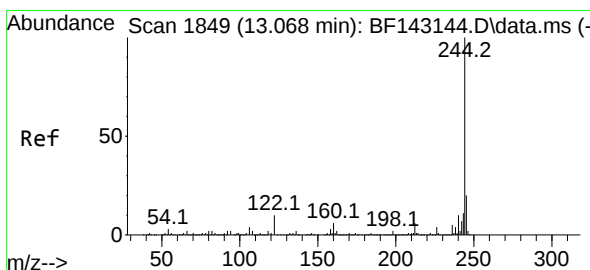
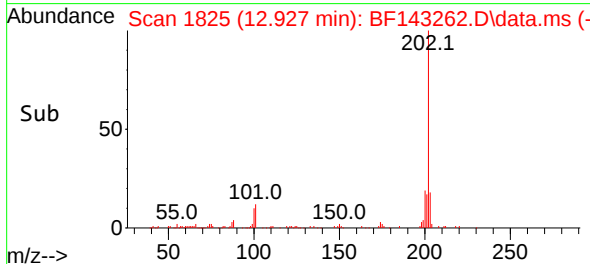
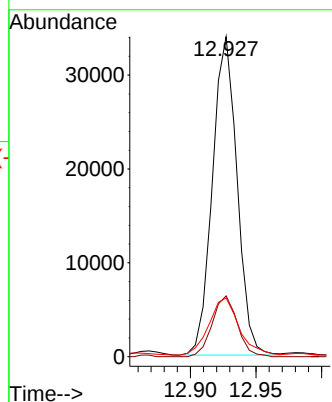
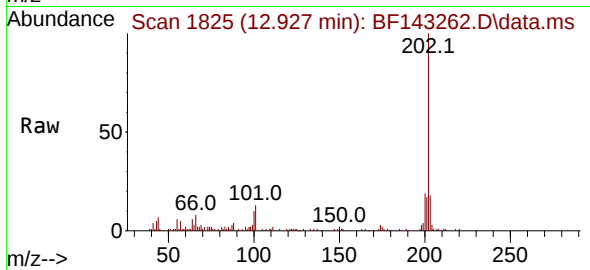
Tgt Ion:202 Resp: 44393

Ion Ratio Lower Upper

202 100

200 19.0 15.7 23.5

203 18.3 14.2 21.2



#79

Terphenyl-d14

Concen: 29.229 ng

RT: 13.068 min Scan# 1849

Delta R.T. -0.000 min

Lab File: BF143262.D

Acq: 29 Jul 2025 18:09

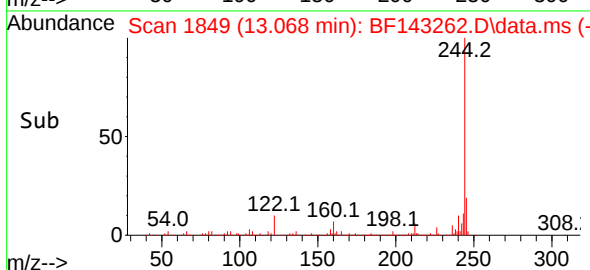
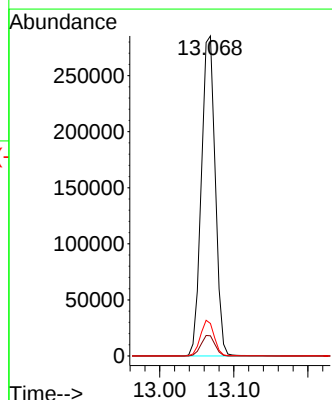
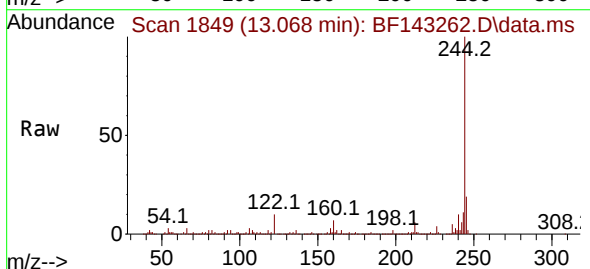
Tgt Ion:244 Resp: 370925

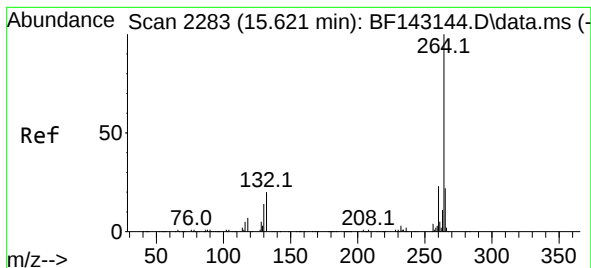
Ion Ratio Lower Upper

244 100

212 6.3 5.2 7.8

122 10.1 8.2 12.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.633 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143262.D

Acq: 29 Jul 2025 18:09

Instrument :

BNA_F

ClientSampleId :

TP-4

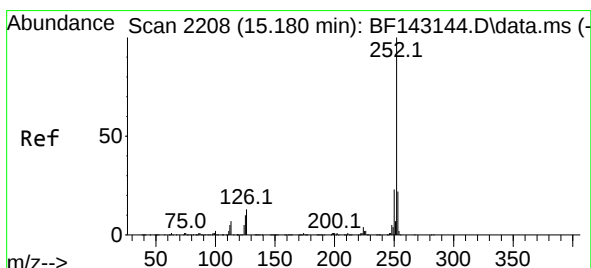
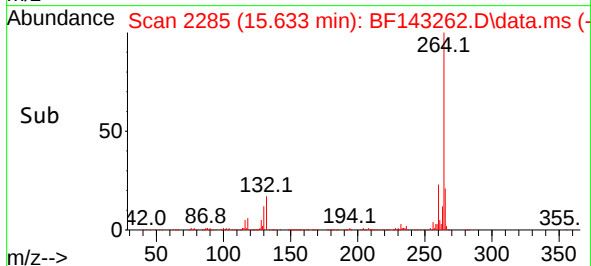
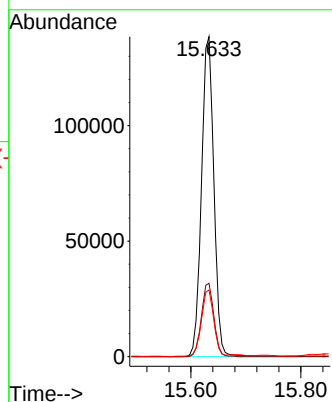
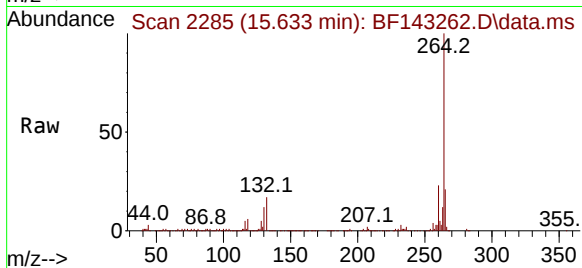
Tgt Ion:264 Resp: 217272

Ion Ratio Lower Upper

264 100

260 23.0 18.5 27.7

265 20.8 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 2.944 ng

RT: 15.186 min Scan# 2209

Delta R.T. 0.006 min

Lab File: BF143262.D

Acq: 29 Jul 2025 18:09

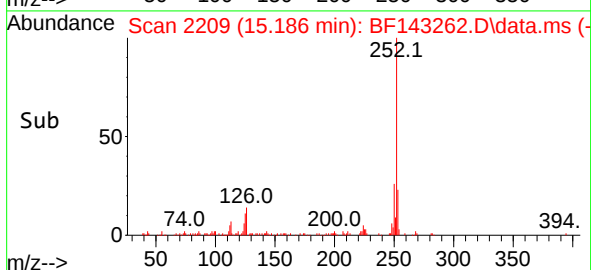
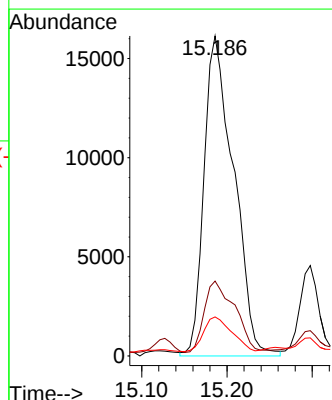
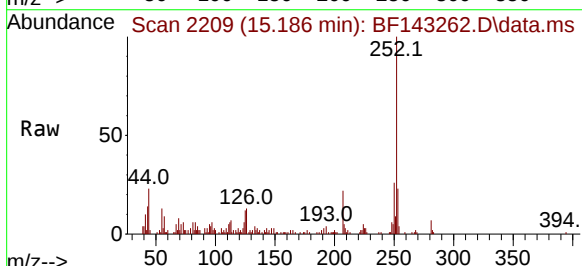
Tgt Ion:252 Resp: 39077

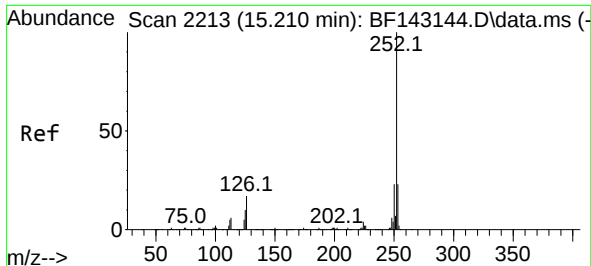
Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

125 12.2 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 3.299 ng

RT: 15.186 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF143262.D

Acq: 29 Jul 2025 18:09

Instrument :

BNA_F

ClientSampleId :

TP-4

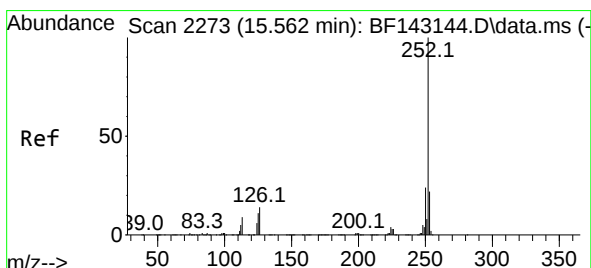
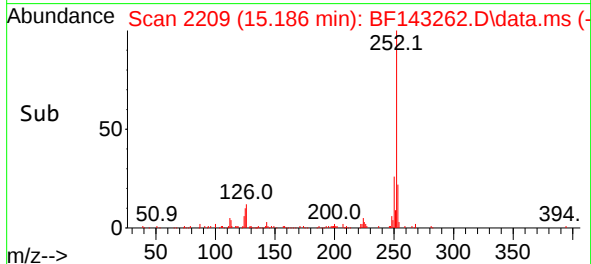
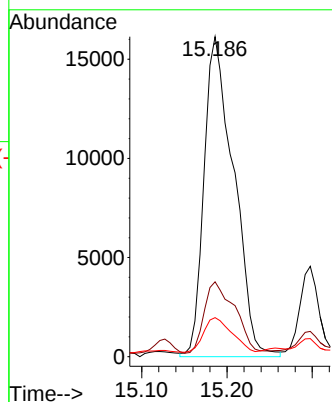
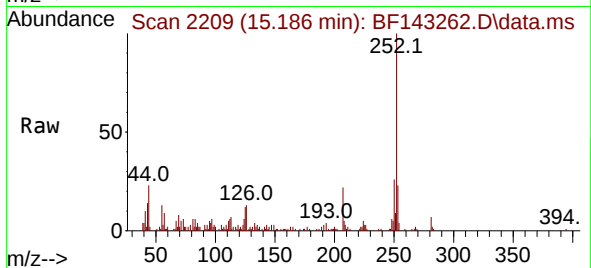
Tgt Ion:252 Resp: 39077

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.6

125 12.2 8.1 12.1#



#90

Benzo(a)pyrene

Concen: 2.043 ng

RT: 15.562 min Scan# 2273

Delta R.T. -0.000 min

Lab File: BF143262.D

Acq: 29 Jul 2025 18:09

Tgt Ion:252 Resp: 24989

Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

125 12.3 8.6 13.0

