

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072425\
 Data File : BF143238.D
 Acq On : 24 Jul 2025 17:26
 Operator : RC/JU
 Sample : Q2676-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-07222025

Quant Time: Jul 24 17:58:06 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)

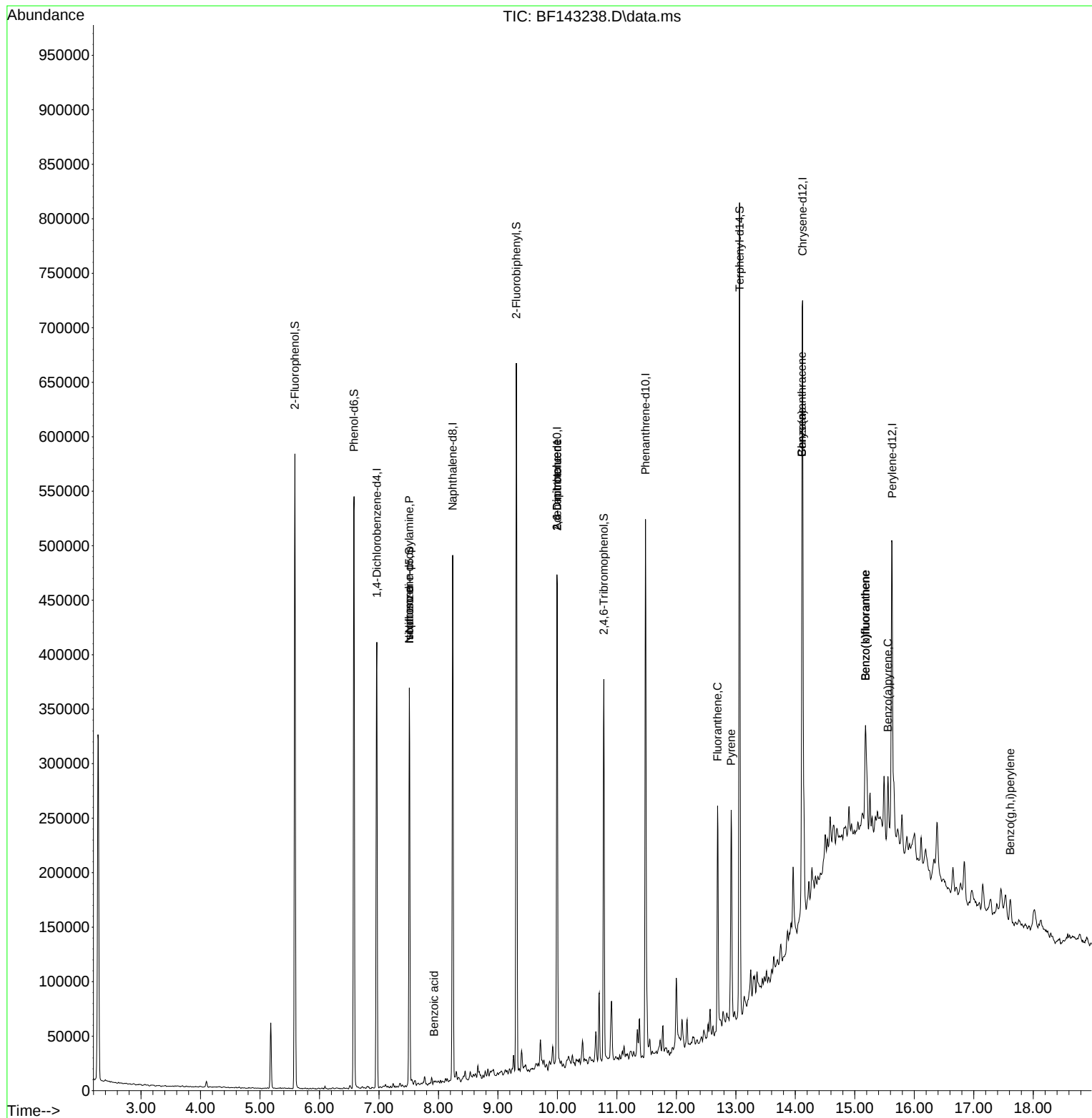
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	82339	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	284241	20.000	ng	0.00
39) Acenaphthene-d10	9.992	164	131218	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	245094	20.000	ng	0.00
76) Chrysene-d12	14.121	240	251186	20.000	ng	0.00
86) Perylene-d12	15.627	264	166923	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	195620	37.596	ng	0.00
7) Phenol-d6	6.581	99	236174	36.061	ng	0.00
23) Nitrobenzene-d5	7.510	82	147249	25.823	ng	-0.01
42) 2,4,6-Tribromophenol	10.780	330	55800	41.164	ng	0.00
45) 2-Fluorobiphenyl	9.310	172	276643	28.833	ng	-0.01
79) Terphenyl-d14	13.063	244	342745	20.305	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.510	70	20179	4.803	ng	# 82
25) Isophorone	7.510	82	145331	14.437	ng	# 66
32) Benzoic acid	7.928	122	530	5.356	ng	85
51) 2,6-Dinitrotoluene	9.992	165	17728	10.189	ng	# 22
57) 2,4-Dinitrotoluene	9.992	165	17728	8.121	ng	# 20
75) Fluoranthene	12.692	202	114776	9.609	ng	100
78) Pyrene	12.921	202	107835	5.030	ng	98
81) Benzo(a)anthracene	14.110	228	65747	3.910	ng	99
83) Chrysene	14.110	228	65747	4.348	ng	97
88) Benzo(b)fluoranthene	15.180	252	80015	7.847	ng	# 90
89) Benzo(k)fluoranthene	15.180	252	80015	8.793	ng	# 91
90) Benzo(a)pyrene	15.557	252	38403	4.087	ng	# 91
92) Benzo(g,h,i)perylene	17.615	276	19419	2.095	ng	# 88

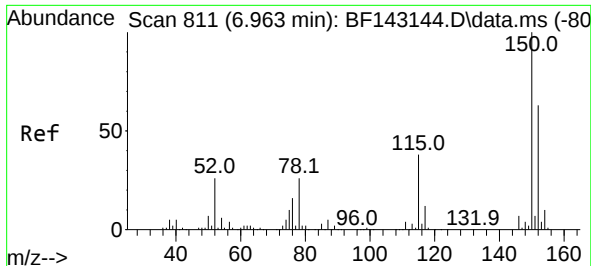
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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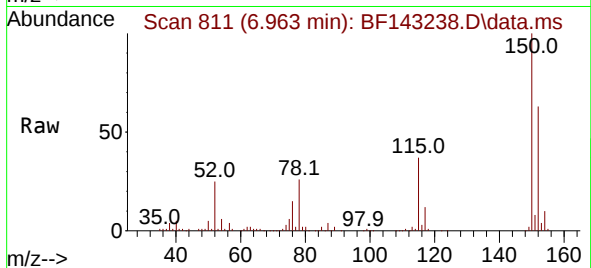
Quant Time: Jul 24 17:58:06 2025
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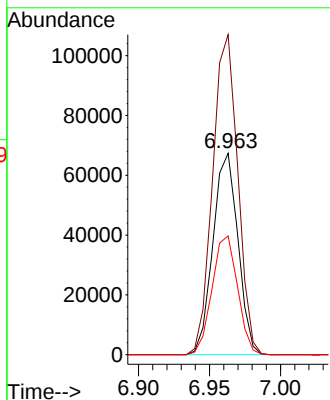
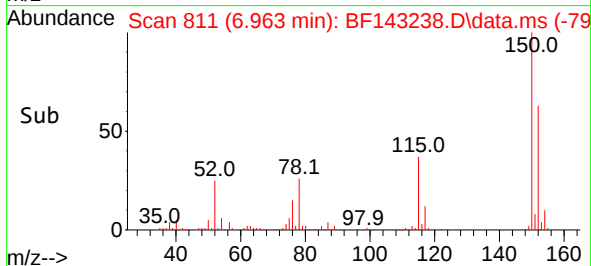


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143238.D
Acq: 24 Jul 2025 17:26

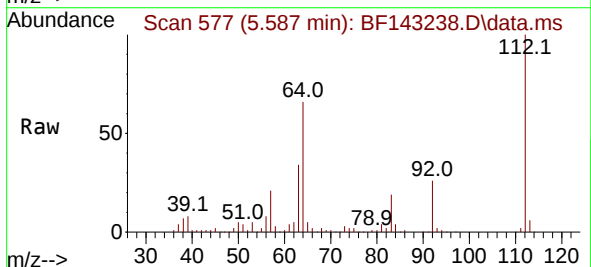
Instrument :
BNA_F
ClientSampleId :
HD-01-07222025



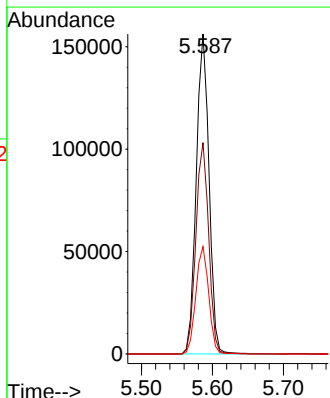
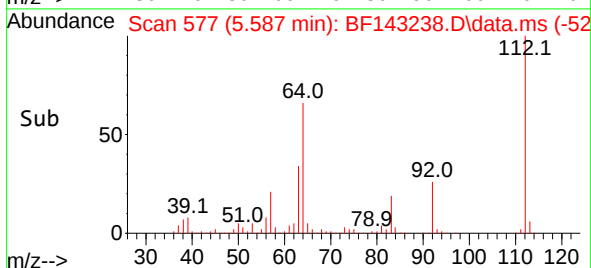
Tgt Ion:152 Resp: 82339
Ion Ratio Lower Upper
152 100
150 158.8 128.2 192.4
115 58.9 47.9 71.9



#5
2-Fluorophenol
Concen: 37.596 ng
RT: 5.587 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF143238.D
Acq: 24 Jul 2025 17:26



Tgt Ion:112 Resp: 195620
Ion Ratio Lower Upper
112 100
64 66.0 53.1 79.7
63 33.5 26.6 40.0

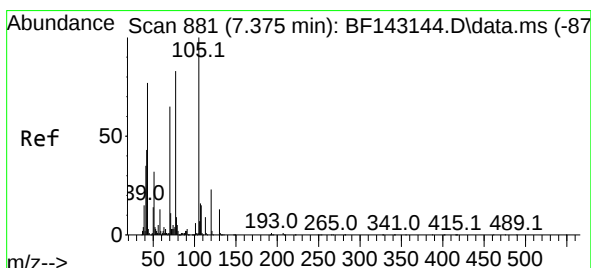
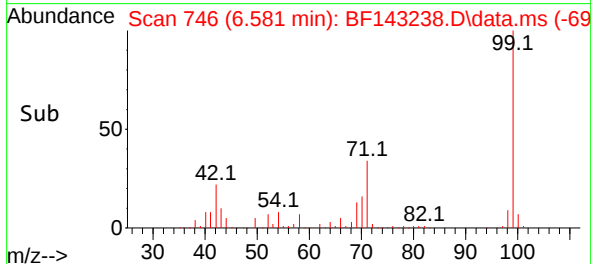
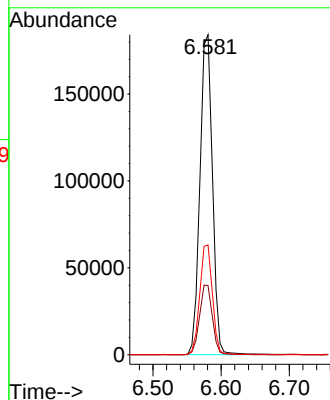
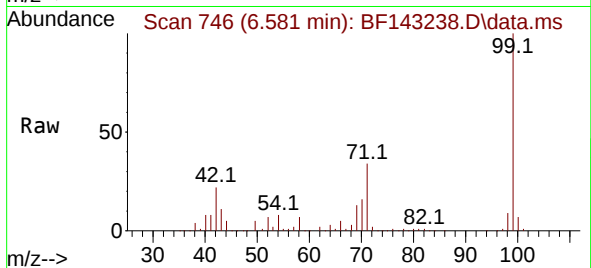




#7
Phenol-d6
Concen: 36.061 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143238.D
Acq: 24 Jul 2025 17:26

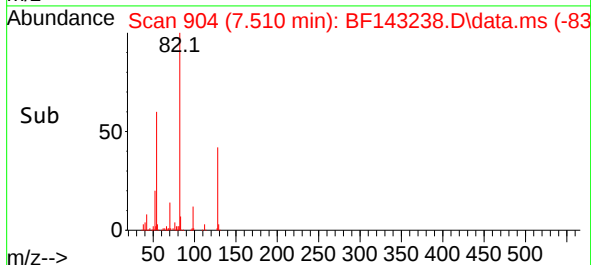
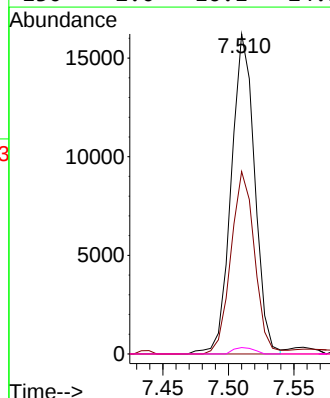
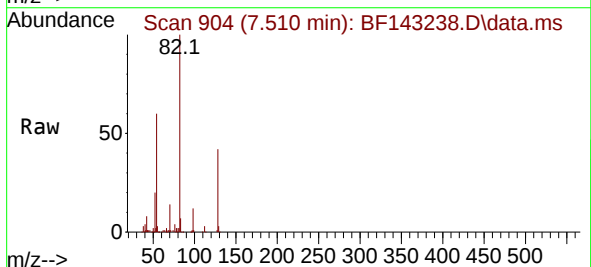
Instrument :
BNA_F
ClientSampleId :
HD-01-07222025

Tgt Ion: 99 Resp: 236174
Ion Ratio Lower Upper
99 100
42 21.6 17.0 25.6
71 34.3 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 4.803 ng
RT: 7.510 min Scan# 904
Delta R.T. 0.135 min
Lab File: BF143238.D
Acq: 24 Jul 2025 17:26

Tgt Ion: 70 Resp: 20179
Ion Ratio Lower Upper
70 100
42 57.0 52.5 78.7
101 0.0 7.6 11.4#
130 2.0 16.1 24.1#



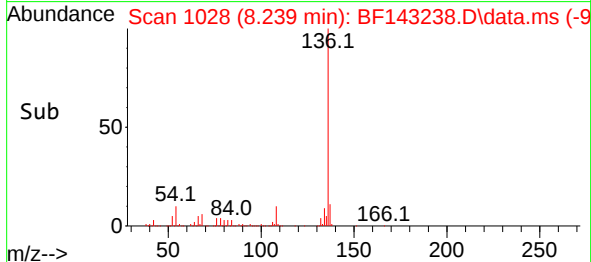
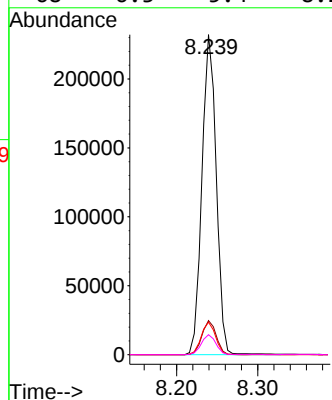
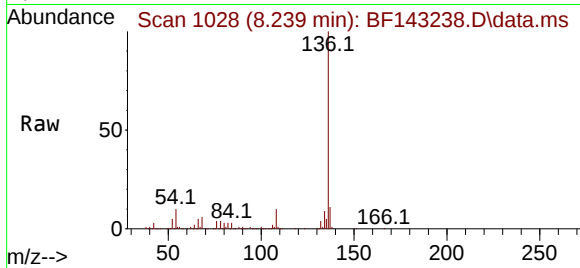


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF143238.D
Acq: 24 Jul 2025 17:26

Instrument :
BNA_F
ClientSampleId :
HD-01-07222025

Tgt Ion:136 Resp: 284241

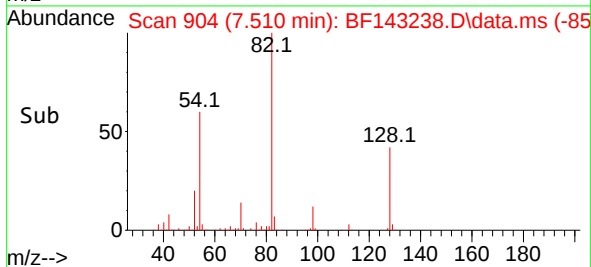
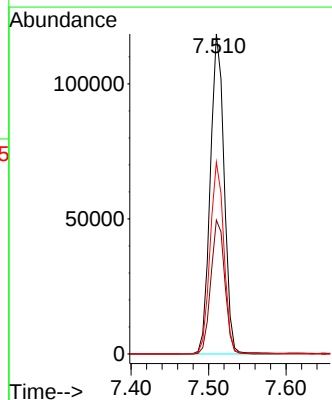
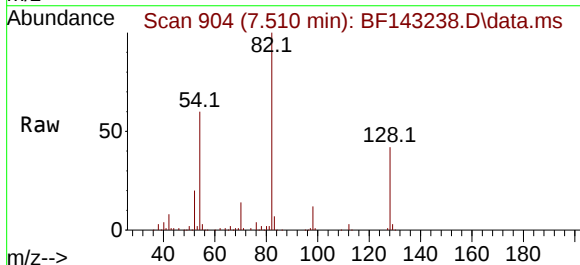
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	10.2	8.2	12.2
68	6.3	5.4	8.2



#23
Nitrobenzene-d5
Concen: 25.823 ng
RT: 7.510 min Scan# 904
Delta R.T. -0.012 min
Lab File: BF143238.D
Acq: 24 Jul 2025 17:26

Tgt Ion: 82 Resp: 147249

Ion	Ratio	Lower	Upper
82	100		
128	41.8	33.6	50.4
54	60.0	47.1	70.7

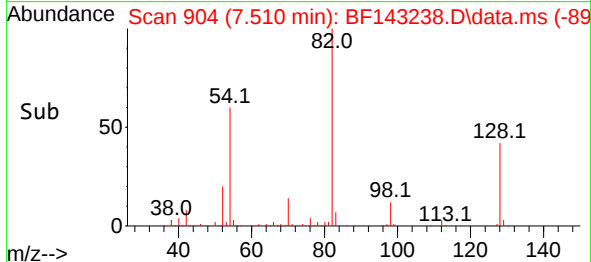
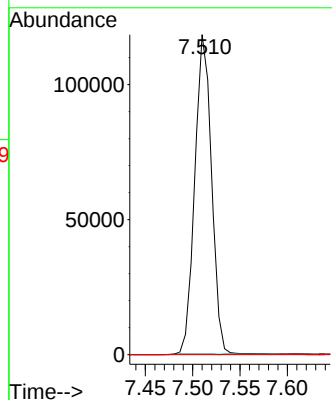
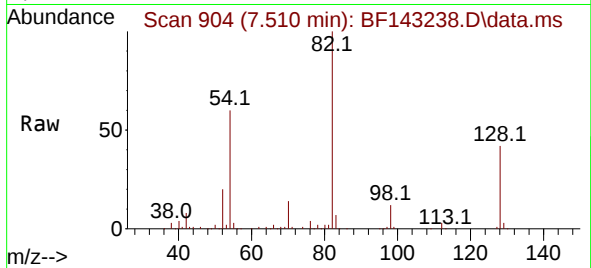




#25
Isophorone
Concen: 14.437 ng
RT: 7.510 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF143238.D
Acq: 24 Jul 2025 17:26

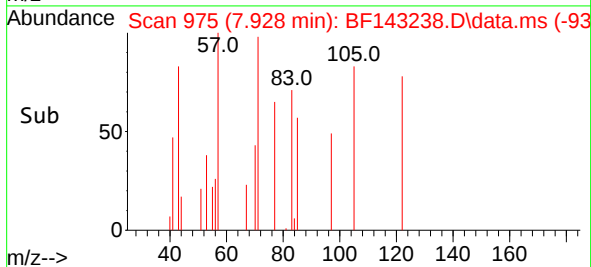
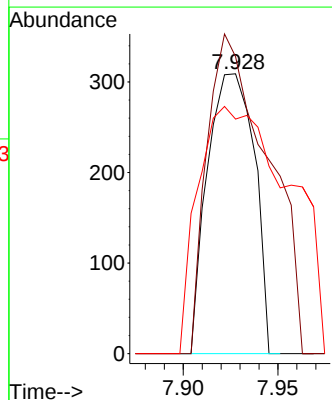
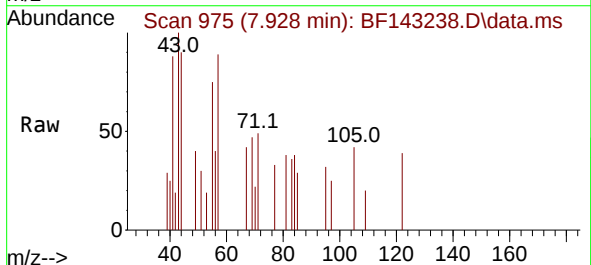
Instrument :
BNA_F
ClientSampleId :
HD-01-07222025

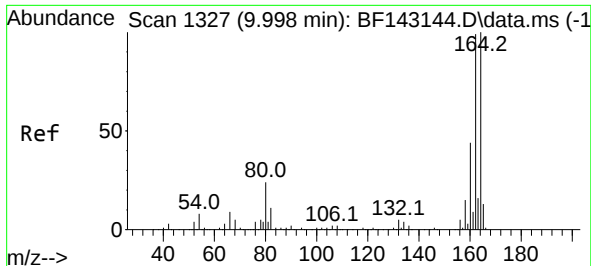
Tgt Ion: 82 Resp: 145331
Ion Ratio Lower Upper
82 100
95 0.2 5.5 8.3#
138 0.0 13.8 20.8#



#32
Benzoic acid
Concen: 5.356 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.064 min
Lab File: BF143238.D
Acq: 24 Jul 2025 17:26

Tgt Ion:122 Resp: 530
Ion Ratio Lower Upper
122 100
105 106.1 104.8 144.8
77 83.8 77.6 117.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.992 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143238.D

Acq: 24 Jul 2025 17:26

Instrument :

BNA_F

ClientSampleId :

HD-01-07222025

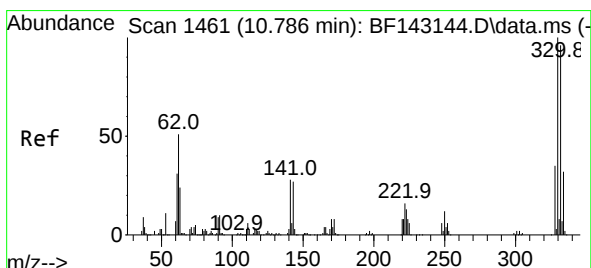
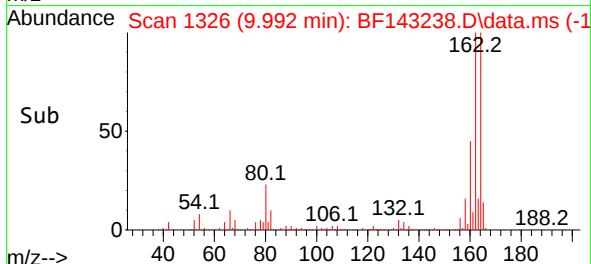
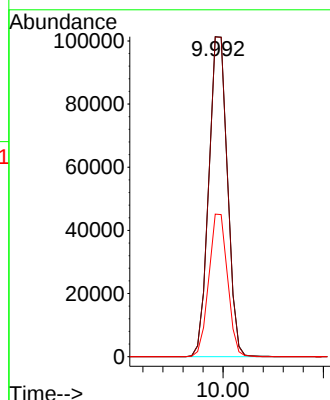
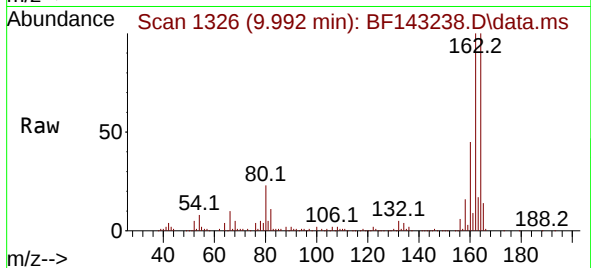
Tgt Ion:164 Resp: 131218

Ion Ratio Lower Upper

164 100

162 99.9 79.0 118.6

160 44.5 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 41.164 ng

RT: 10.780 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF143238.D

Acq: 24 Jul 2025 17:26

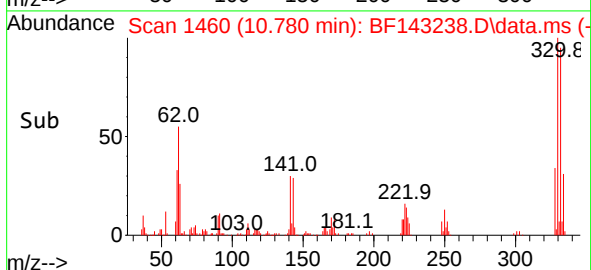
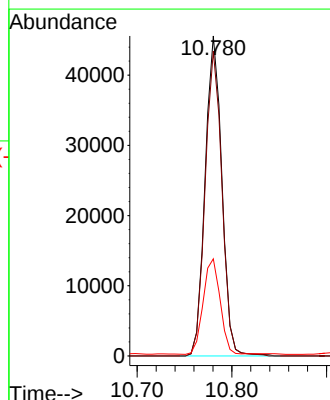
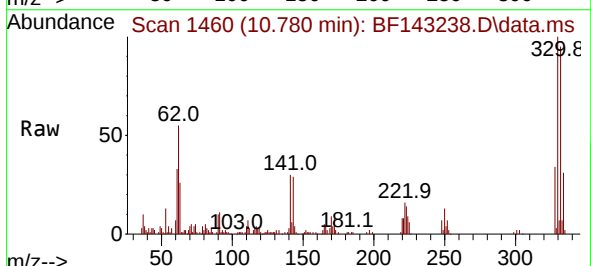
Tgt Ion:330 Resp: 55800

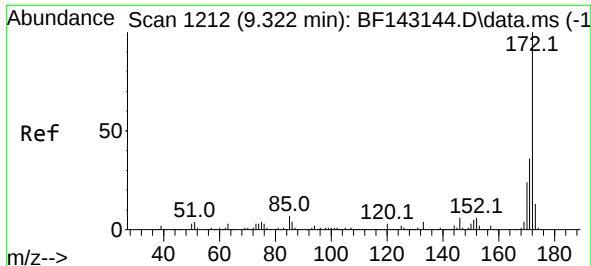
Ion Ratio Lower Upper

330 100

332 95.7 76.7 115.1

141 30.2 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 28.833 ng

RT: 9.310 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF143238.D

Acq: 24 Jul 2025 17:26

Instrument :

BNA_F

ClientSampleId :

HD-01-07222025

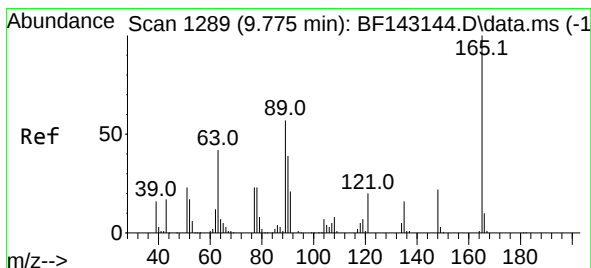
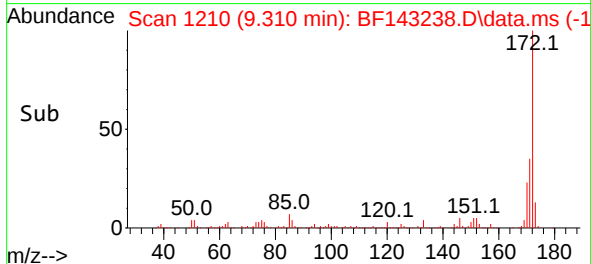
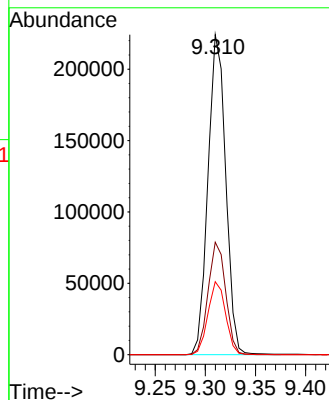
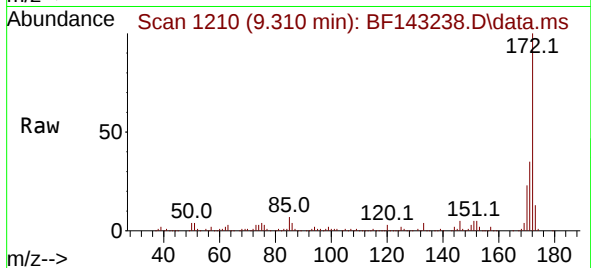
Tgt Ion:172 Resp: 276643

Ion Ratio Lower Upper

172 100

171 35.1 28.6 42.8

170 22.8 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 10.189 ng

RT: 9.992 min Scan# 1326

Delta R.T. 0.218 min

Lab File: BF143238.D

Acq: 24 Jul 2025 17:26

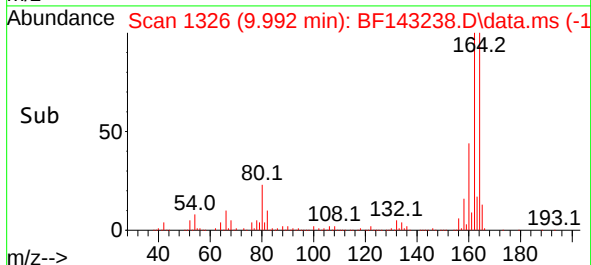
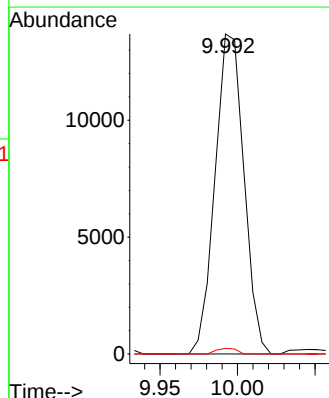
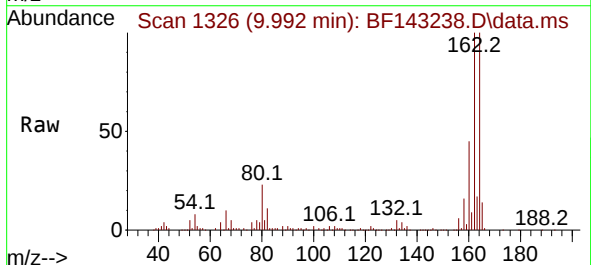
Tgt Ion:165 Resp: 17728

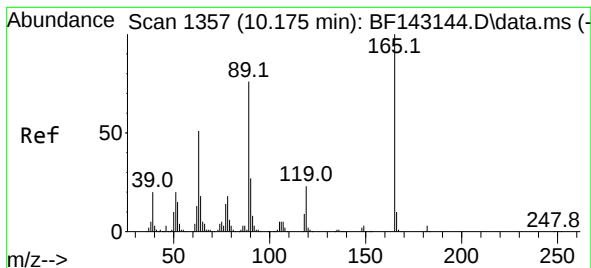
Ion Ratio Lower Upper

165 100

63 0.0 49.4 74.2#

89 1.8 46.2 69.2#

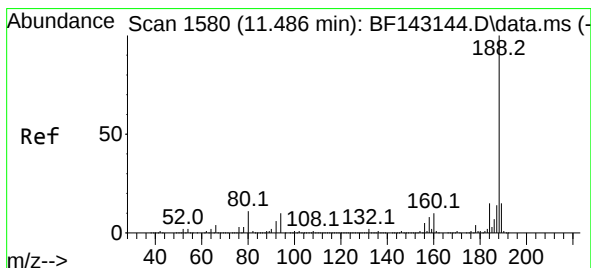
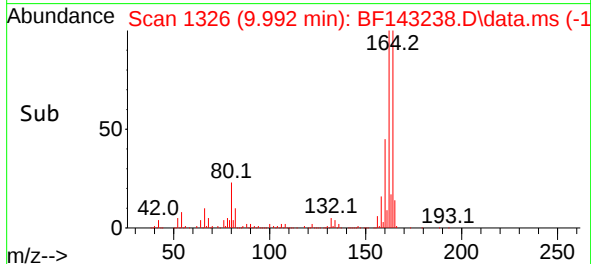
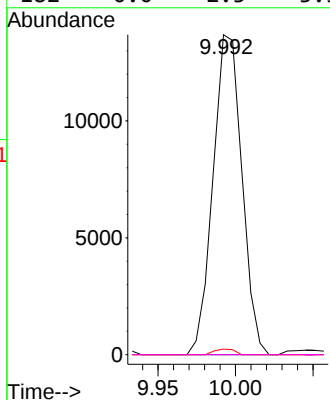
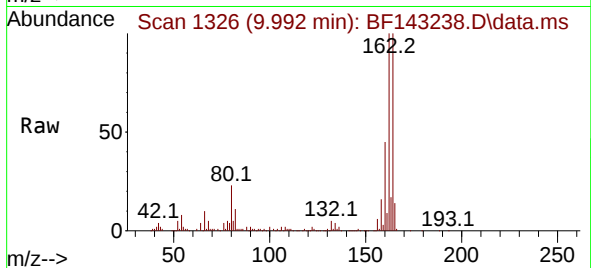




#57
2,4-Dinitrotoluene
Concen: 8.121 ng
RT: 9.992 min Scan# 11
Delta R.T. -0.182 min
Lab File: BF143238.D
Acq: 24 Jul 2025 17:26

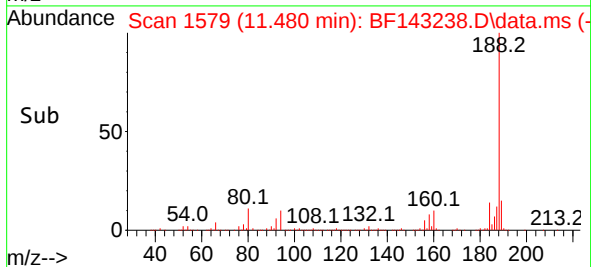
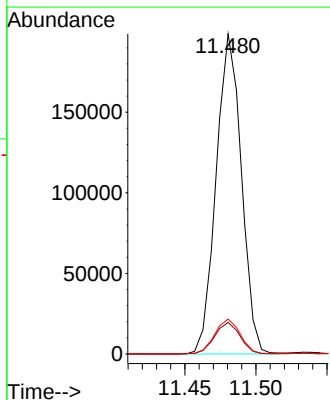
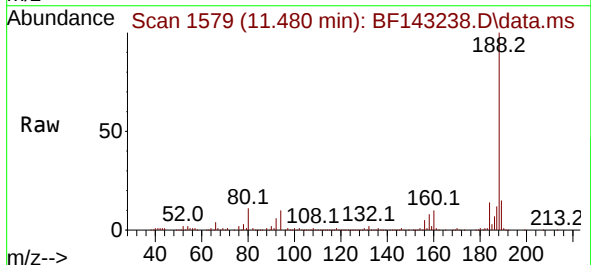
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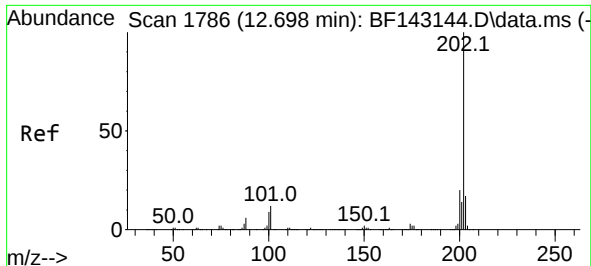
Tgt Ion:165 Resp: 17728
Ion Ratio Lower Upper
165 100
63 0.0 41.0 61.4#
89 1.8 61.1 91.7#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143238.D
Acq: 24 Jul 2025 17:26

Tgt Ion:188 Resp: 245094
Ion Ratio Lower Upper
188 100
94 9.8 8.3 12.5
80 10.9 9.0 13.6

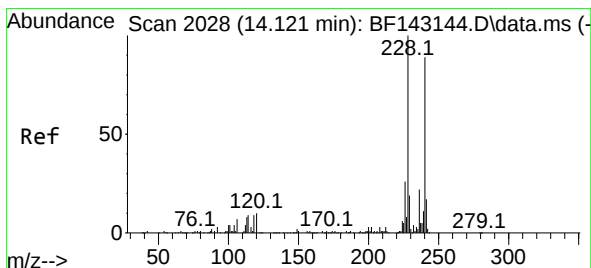
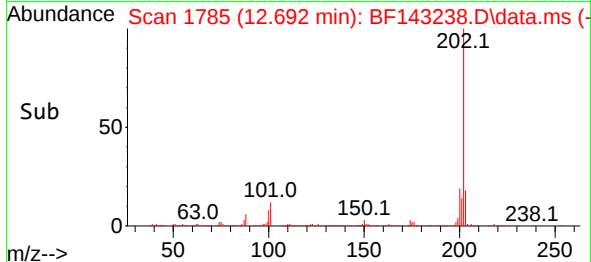
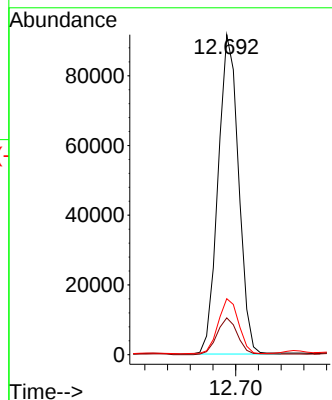
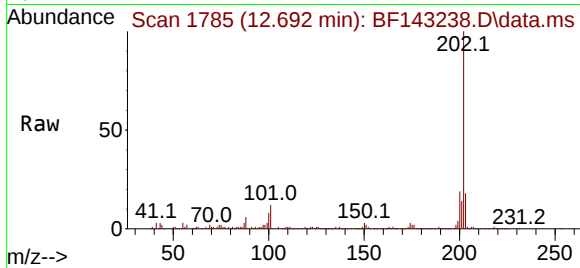




#75
Fluoranthene
Concen: 9.609 ng
RT: 12.692 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF143238.D
Acq: 24 Jul 2025 17:26

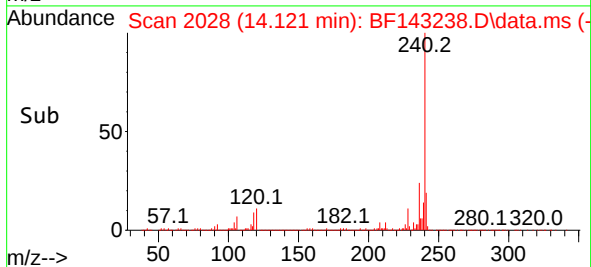
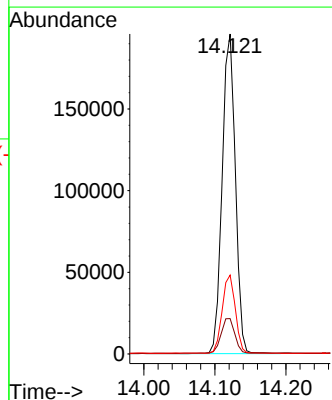
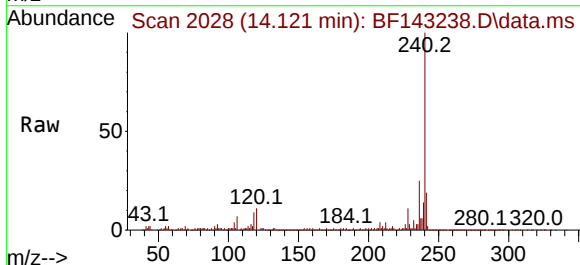
Instrument :
BNA_F
ClientSampleId :
HD-01-07222025

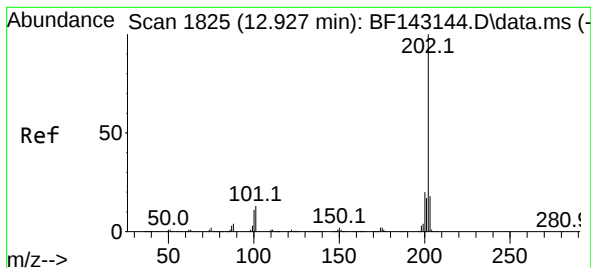
Tgt Ion:202 Resp: 114776
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.7
203 17.5 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF143238.D
Acq: 24 Jul 2025 17:26

Tgt Ion:240 Resp: 251186
Ion Ratio Lower Upper
240 100
120 11.1 9.4 14.2
236 24.6 20.2 30.4





#78

Pyrene

Concen: 5.030 ng

RT: 12.921 min Scan# 1825

Delta R.T. -0.006 min

Lab File: BF143238.D

Acq: 24 Jul 2025 17:26

Instrument :

BNA_F

ClientSampleId :

HD-01-07222025

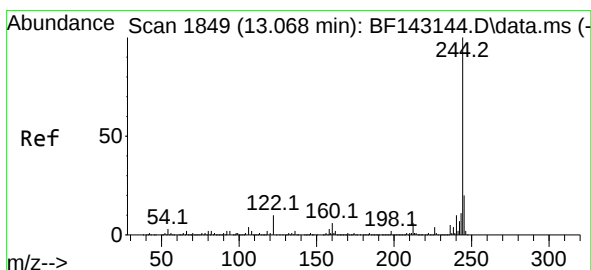
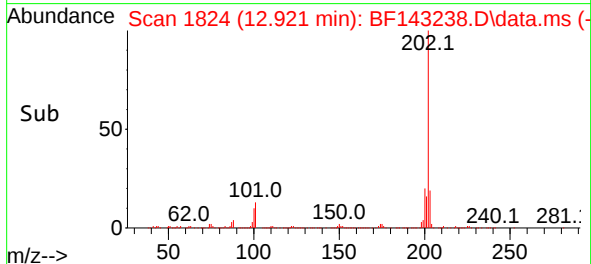
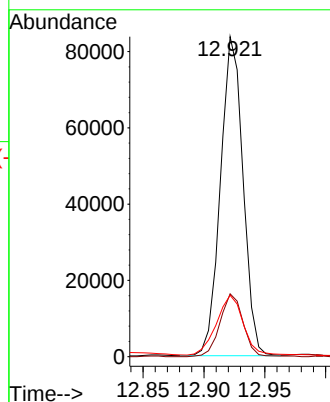
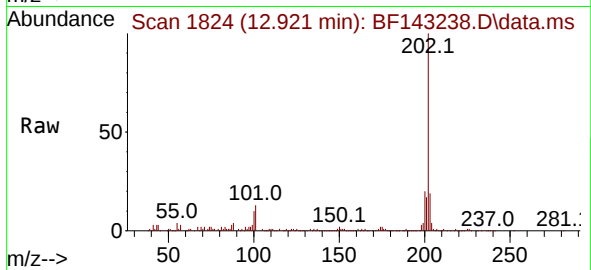
Tgt Ion:202 Resp: 107835

Ion Ratio Lower Upper

202 100

200 19.6 15.7 23.5

203 19.2 14.2 21.2



#79

Terphenyl-d14

Concen: 20.305 ng

RT: 13.063 min Scan# 1848

Delta R.T. -0.006 min

Lab File: BF143238.D

Acq: 24 Jul 2025 17:26

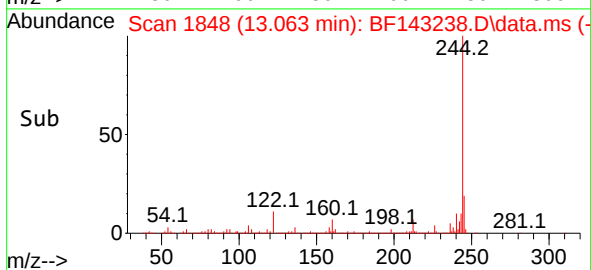
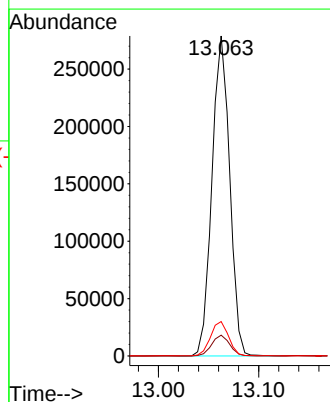
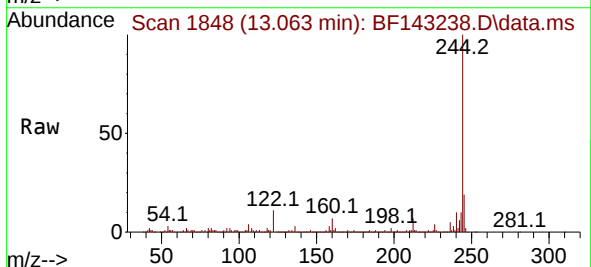
Tgt Ion:244 Resp: 342745

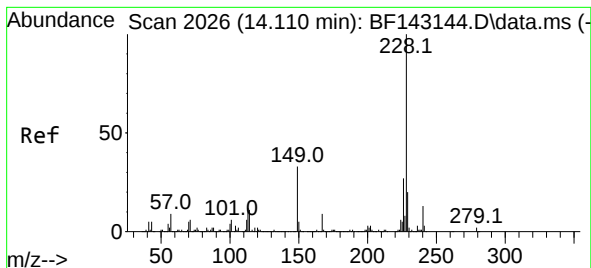
Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

122 10.7 8.2 12.2





#81

Benzo(a)anthracene

Concen: 3.910 ng

RT: 14.110 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF143238.D

Acq: 24 Jul 2025 17:26

Instrument :

BNA_F

ClientSampleId :

HD-01-07222025

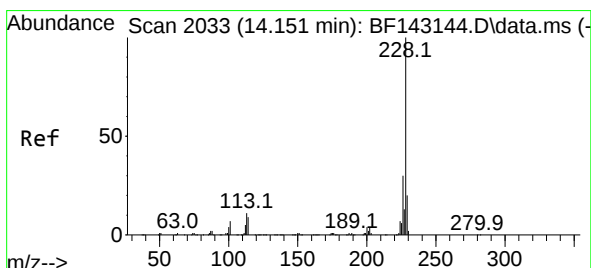
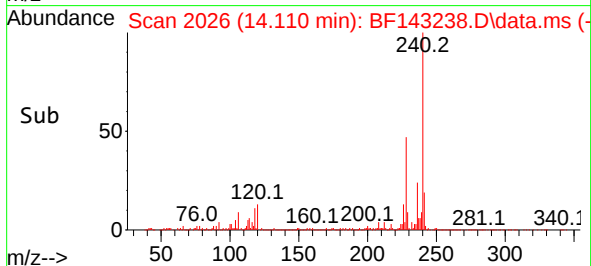
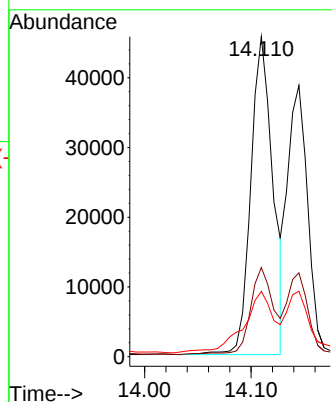
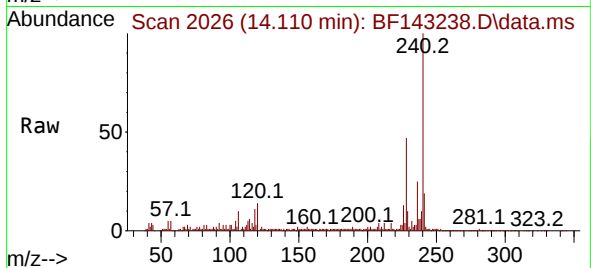
Tgt Ion:228 Resp: 65747

Ion Ratio Lower Upper

228 100

226 27.9 21.7 32.5

229 20.4 15.8 23.6



#83

Chrysene

Concen: 4.348 ng

RT: 14.110 min Scan# 2026

Delta R.T. -0.041 min

Lab File: BF143238.D

Acq: 24 Jul 2025 17:26

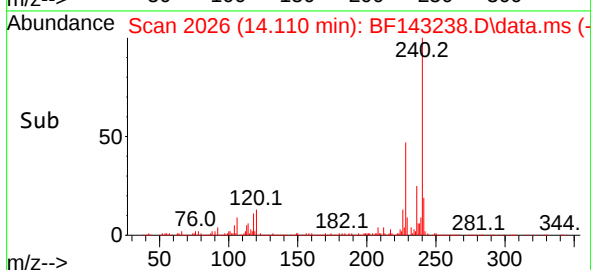
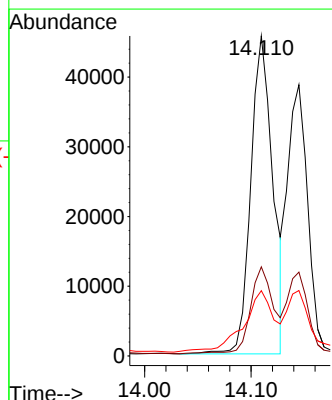
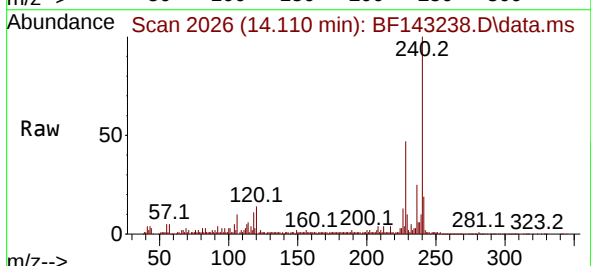
Tgt Ion:228 Resp: 65747

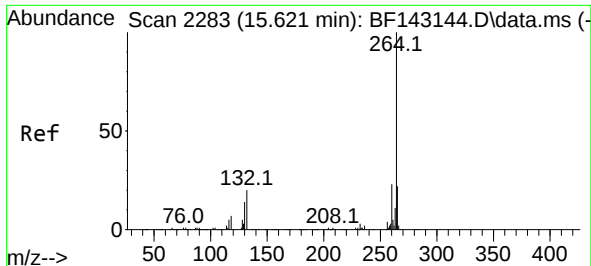
Ion Ratio Lower Upper

228 100

226 27.9 23.8 35.8

229 20.4 15.6 23.4



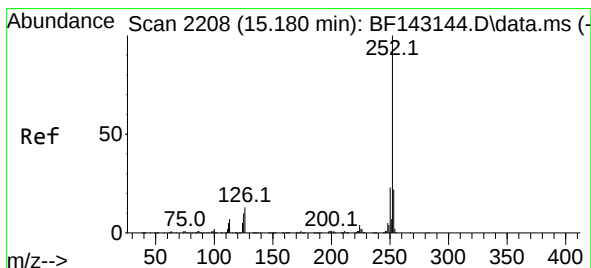
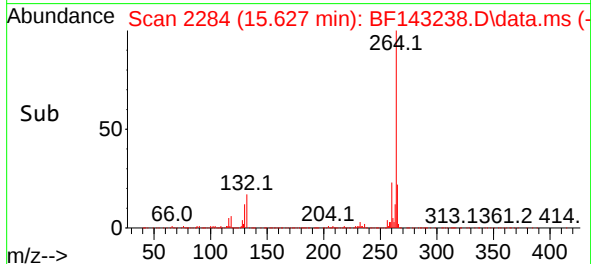
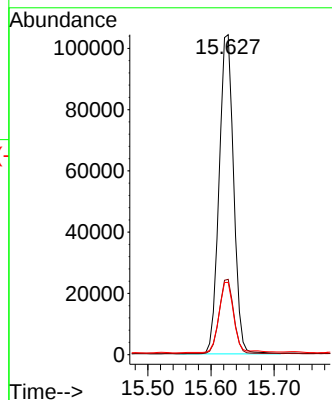
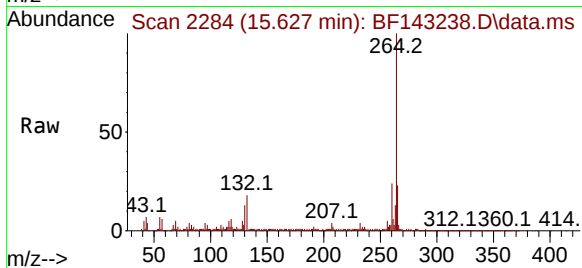


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143238.D
Acq: 24 Jul 2025 17:26

Instrument :
BNA_F
ClientSampleId :
HD-01-07222025

Tgt Ion:264 Resp: 166923

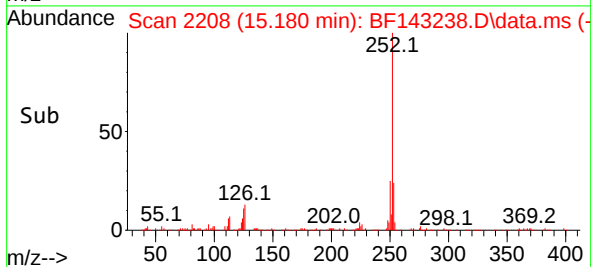
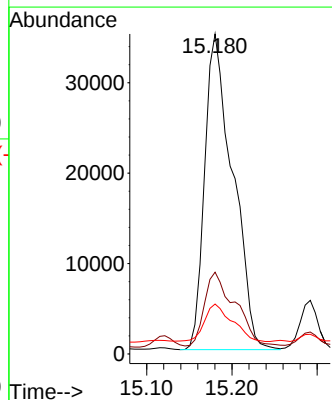
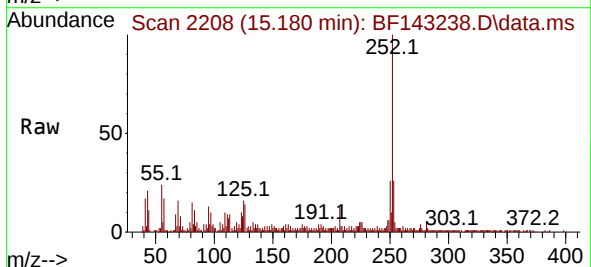
Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.5	27.7
265	22.6	17.4	26.2

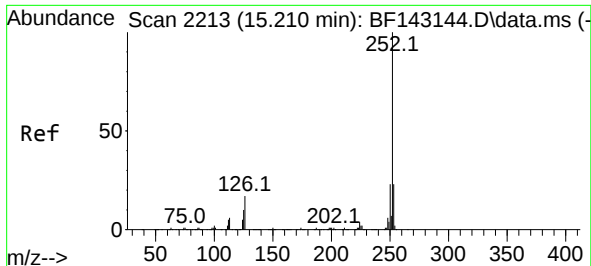


#88
Benzo(b)fluoranthene
Concen: 7.847 ng
RT: 15.180 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BF143238.D
Acq: 24 Jul 2025 17:26

Tgt Ion:252 Resp: 80015

Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.5	26.3
125	15.6	8.0	12.0





#89

Benzo(k)fluoranthene

Concen: 8.793 ng

RT: 15.180 min Scan# 2213

Delta R.T. -0.029 min

Lab File: BF143238.D

Acq: 24 Jul 2025 17:26

Instrument :

BNA_F

ClientSampleId :

HD-01-07222025

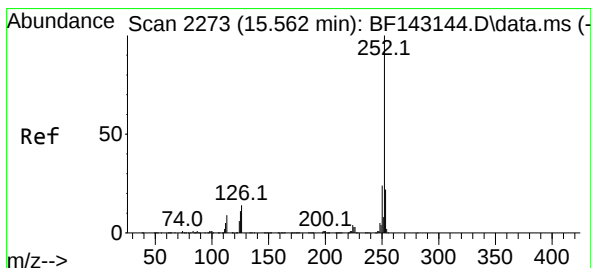
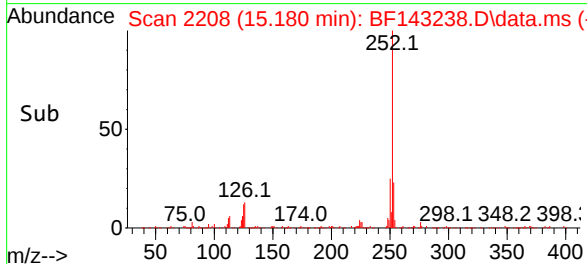
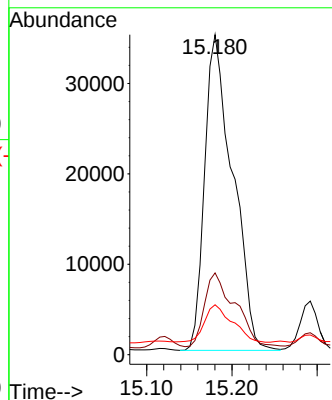
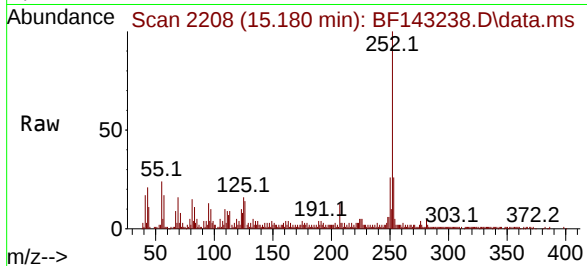
Tgt Ion:252 Resp: 80015

Ion Ratio Lower Upper

252 100

253 25.5 17.8 26.6

125 15.6 8.1 12.1#



#90

Benzo(a)pyrene

Concen: 4.087 ng

RT: 15.557 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF143238.D

Acq: 24 Jul 2025 17:26

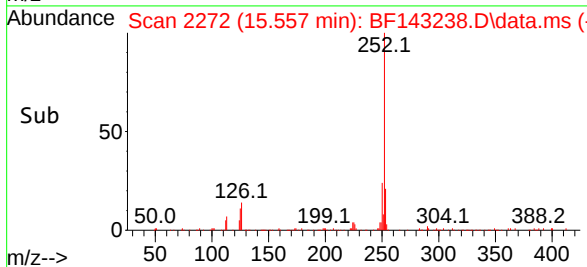
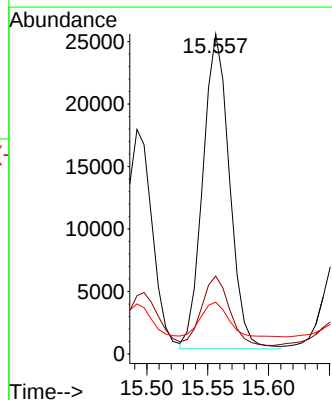
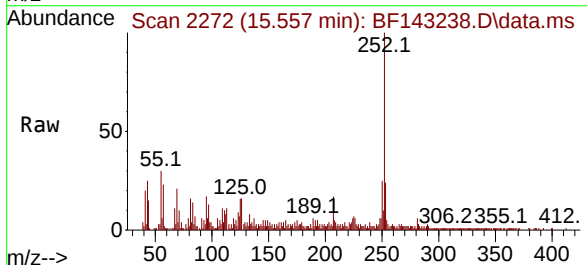
Tgt Ion:252 Resp: 38403

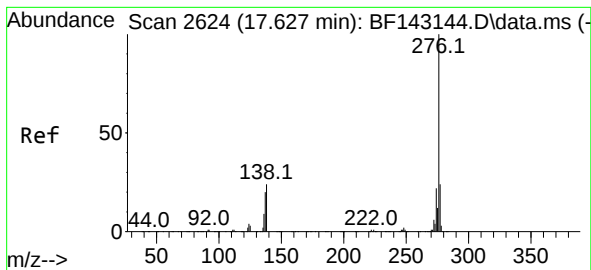
Ion Ratio Lower Upper

252 100

253 24.4 17.3 25.9

125 16.2 8.6 13.0#





#92

Benzo(g,h,i)perylene

Concen: 2.095 ng

RT: 17.615 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF143238.D

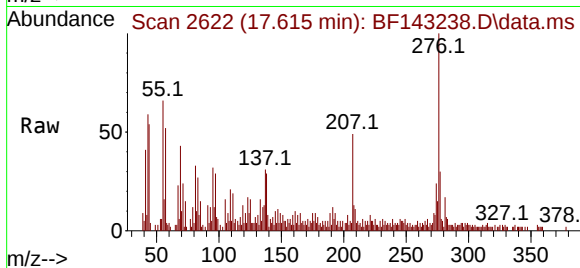
Acq: 24 Jul 2025 17:26

Instrument :

BNA_F

ClientSampleId :

HD-01-07222025



Tgt Ion:276 Resp: 19419

Ion Ratio Lower Upper

276 100

277 29.7 19.1 28.7#

138 29.3 18.9 28.3#

