

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072425\
 Data File : BF143242.D
 Acq On : 24 Jul 2025 19:24
 Operator : RC/JU
 Sample : Q2677-03 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-07222025

Quant Time: Jul 25 01:18:59 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)

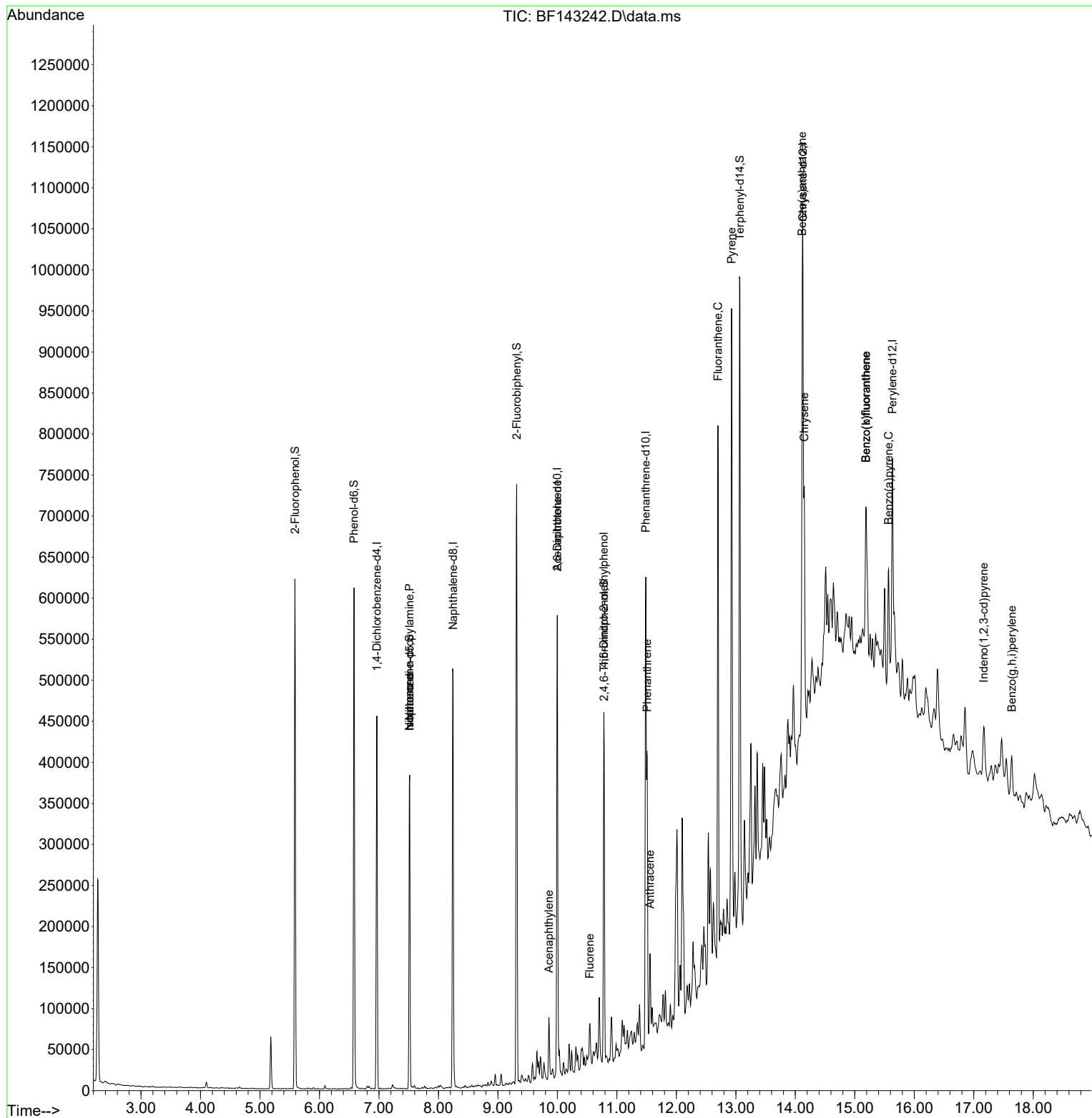
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	89947	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	316173	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	159461	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	292197	20.000	ng	0.00
76) Chrysene-d12	14.127	240	212127	20.000	ng	0.00
86) Perylene-d12	15.633	264	152418	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	211580	37.224	ng	0.00
7) Phenol-d6	6.581	99	255888	35.767	ng	0.00
23) Nitrobenzene-d5	7.516	82	159412	25.132	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	65008	39.463	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	315882	27.092	ng	0.00
79) Terphenyl-d14	13.069	244	379235	26.604	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	21184	4.615	ng	# 79
25) Isophorone	7.516	82	157061	14.027	ng	# 66
49) Acenaphthylene	9.857	152	41100	2.664	ng	99
51) 2,6-Dinitrotoluene	9.998	165	21354	10.099	ng	# 23
58) Fluorene	10.545	166	23293	2.293	ng	98
65) 4,6-Dinitro-2-methylph...	10.780	198	57	5.445	ng	# 1
71) Phenanthrene	11.510	178	182966	11.793	ng	99
72) Anthracene	11.557	178	63687	4.025	ng	98
75) Fluoranthene	12.698	202	352949	24.785	ng	99
78) Pyrene	12.927	202	444637	24.560	ng	99
81) Benzo(a)anthracene	14.116	228	186382	13.124	ng	# 92
83) Chrysene	14.151	228	154832	12.126	ng	# 95
87) Indeno(1,2,3-cd)pyrene	17.168	276	46440	4.321	ng	97
88) Benzo(b)fluoranthene	15.186	252	156554	16.813	ng	# 90
89) Benzo(k)fluoranthene	15.186	252	156554	18.842	ng	# 90
90) Benzo(a)pyrene	15.568	252	96749	11.277	ng	# 93
92) Benzo(g,h,i)perylene	17.639	276	49231	5.818	ng	96

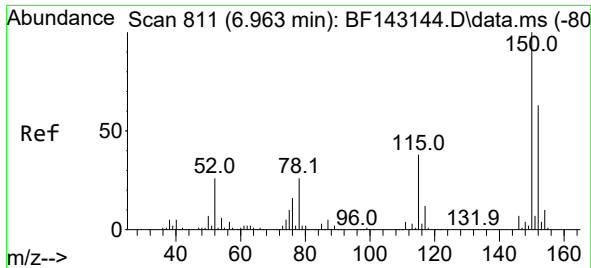
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072425\
Data File : BF143242.D
Acq On : 24 Jul 2025 19:24
Operator : RC/JU
Sample : Q2677-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-03-07222025

Quant Time: Jul 25 01:18:59 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

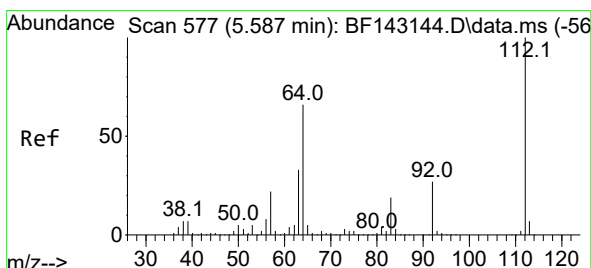
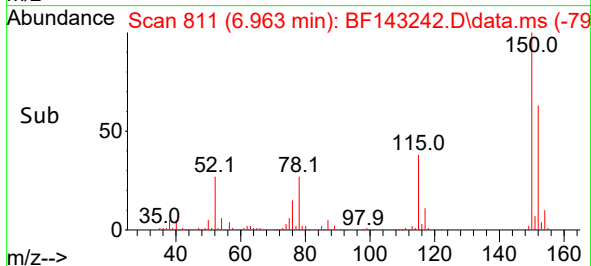
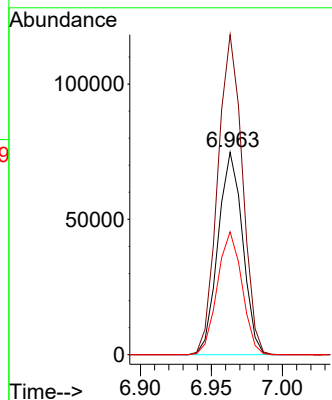
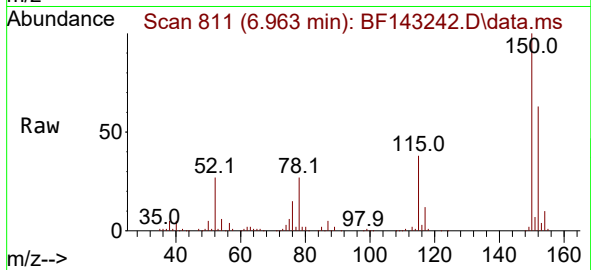




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143242.D
Acq: 24 Jul 2025 19:24

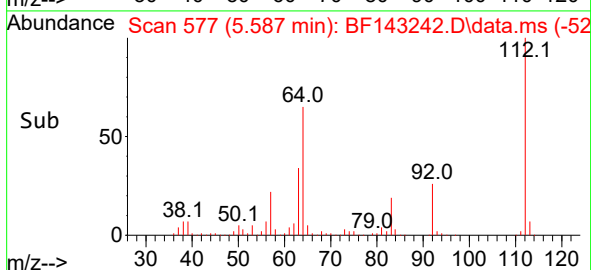
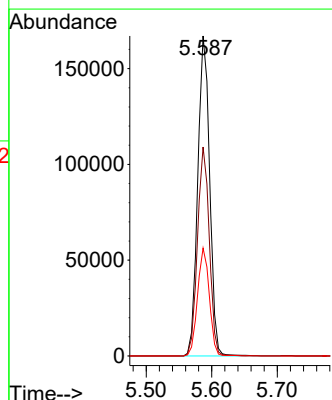
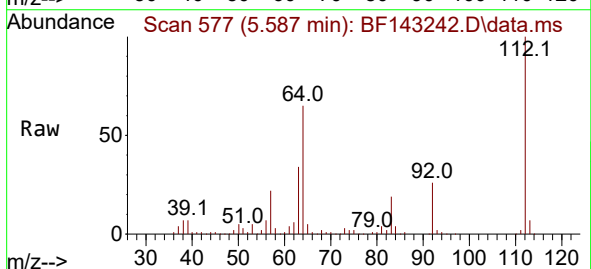
Instrument :
BNA_F
ClientSampleId :
OK-03-07222025

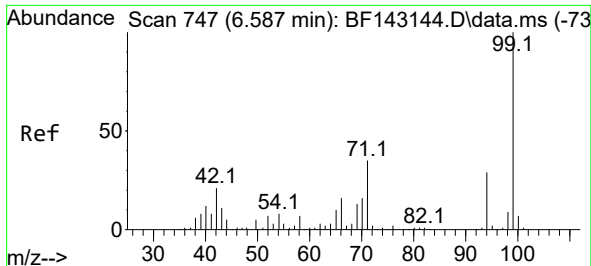
Tgt Ion:152 Resp: 89947
Ion Ratio Lower Upper
152 100
150 158.0 128.2 192.4
115 60.7 47.9 71.9



#5
2-Fluorophenol
Concen: 37.224 ng
RT: 5.587 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF143242.D
Acq: 24 Jul 2025 19:24

Tgt Ion:112 Resp: 211580
Ion Ratio Lower Upper
112 100
64 65.3 53.1 79.7
63 33.7 26.6 40.0

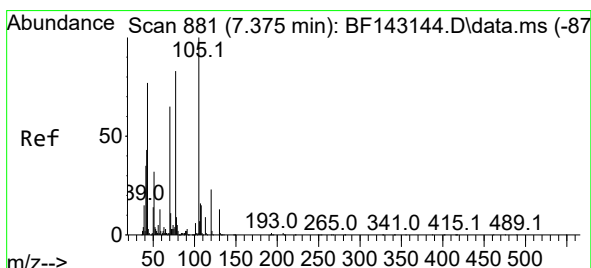
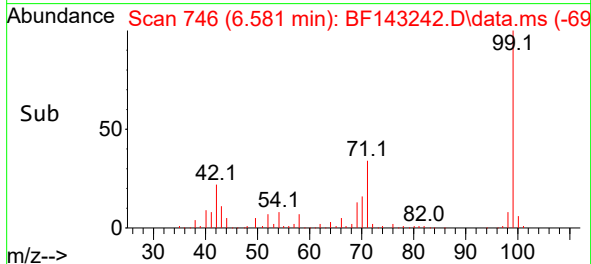
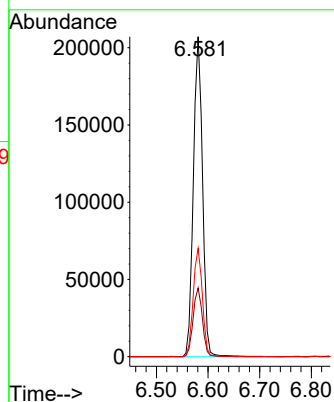
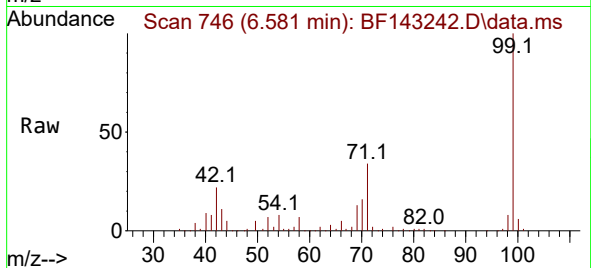




#7
Phenol-d6
Concen: 35.767 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143242.D
Acq: 24 Jul 2025 19:24

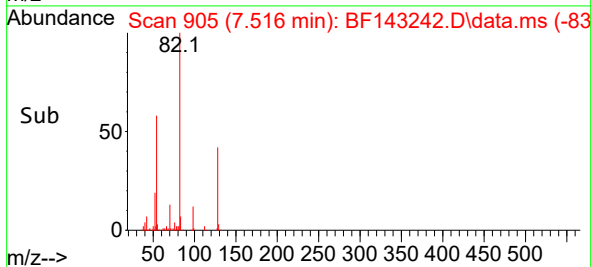
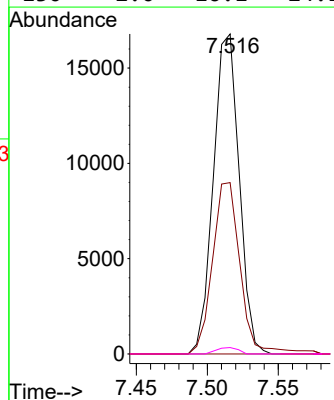
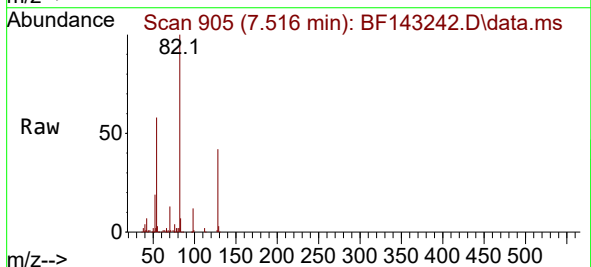
Instrument :
BNA_F
ClientSampleId :
OK-03-07222025

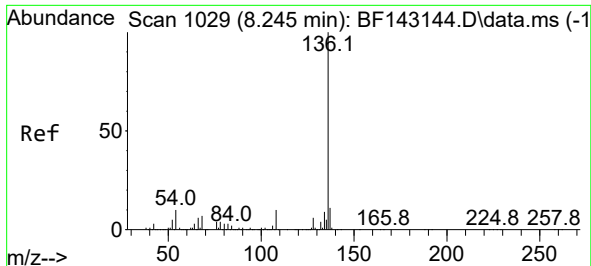
Tgt Ion: 99 Resp: 255888
Ion Ratio Lower Upper
99 100
42 21.5 17.0 25.6
71 33.9 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 4.615 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143242.D
Acq: 24 Jul 2025 19:24

Tgt Ion: 70 Resp: 21184
Ion Ratio Lower Upper
70 100
42 53.5 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: 8.245 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143242.D

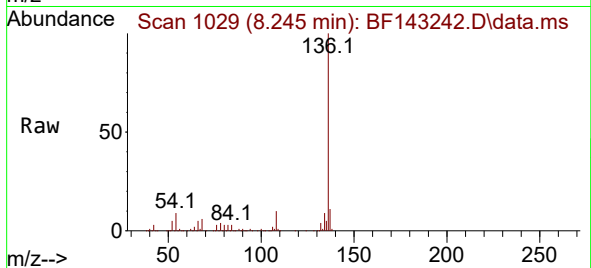
Acq: 24 Jul 2025 19:24

Instrument :

BNA_F

ClientSampleId :

OK-03-07222025



Tgt Ion:136 Resp: 316173

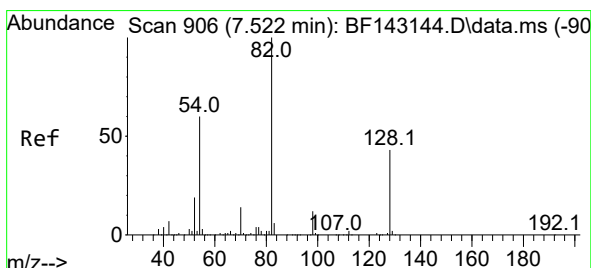
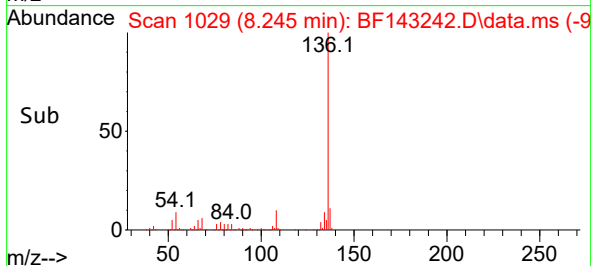
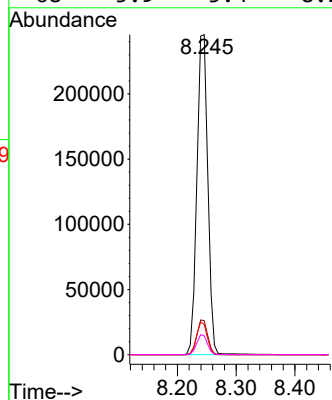
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 9.5 8.2 12.2

68 5.9 5.4 8.2



#23

Nitrobenzene-d5

Concen: 25.132 ng

RT: 7.516 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF143242.D

Acq: 24 Jul 2025 19:24

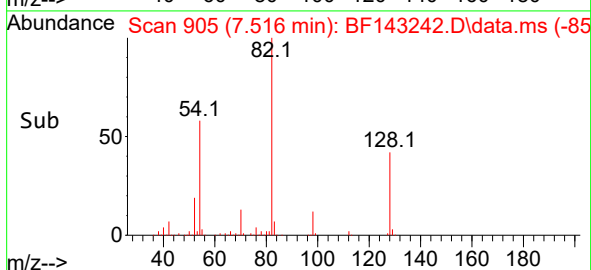
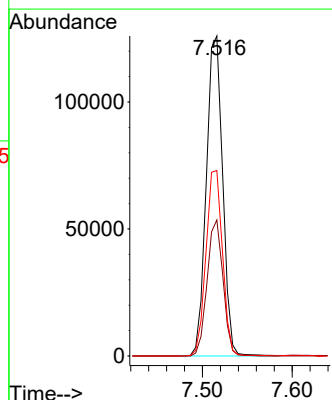
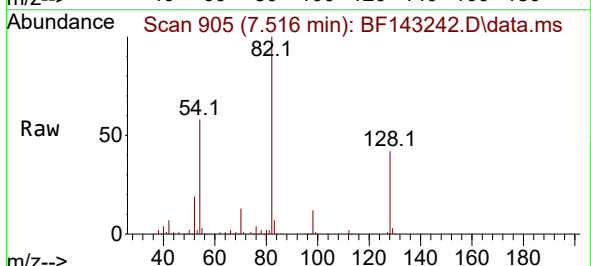
Tgt Ion: 82 Resp: 159412

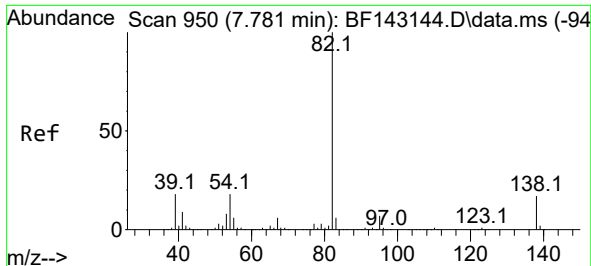
Ion Ratio Lower Upper

82 100

128 42.5 33.6 50.4

54 58.0 47.1 70.7

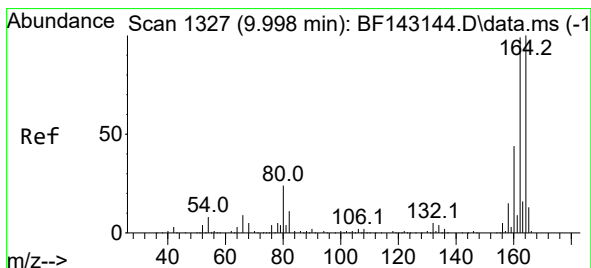
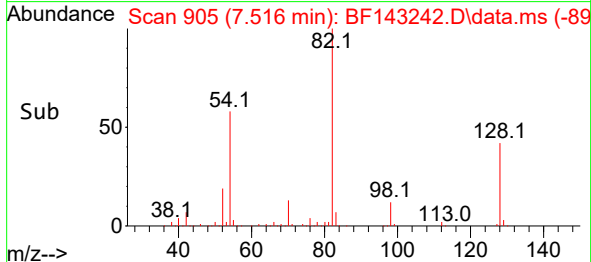
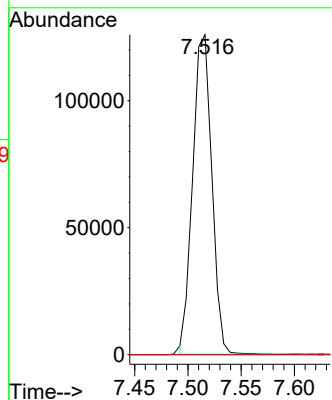
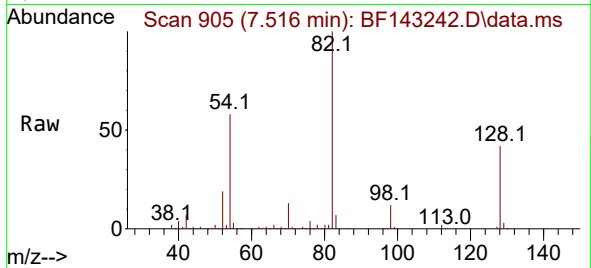




#25
Isophorone
Concen: 14.027 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.265 min
Lab File: BF143242.D
Acq: 24 Jul 2025 19:24

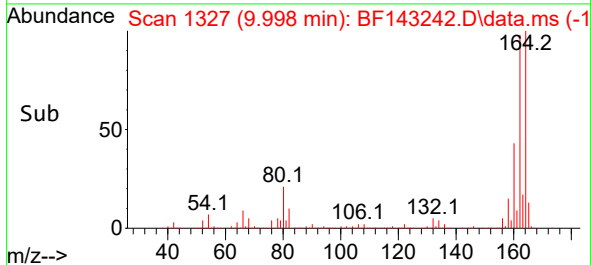
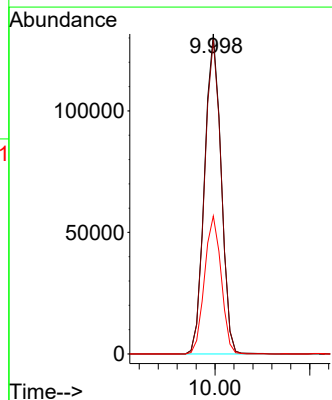
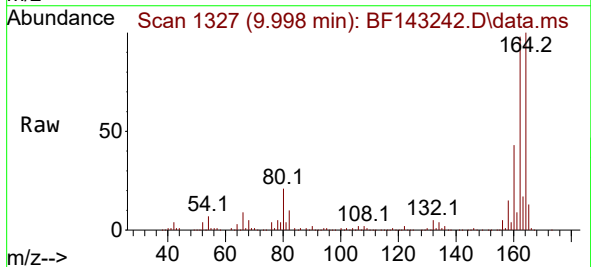
Instrument :
BNA_F
ClientSampleId :
OK-03-07222025

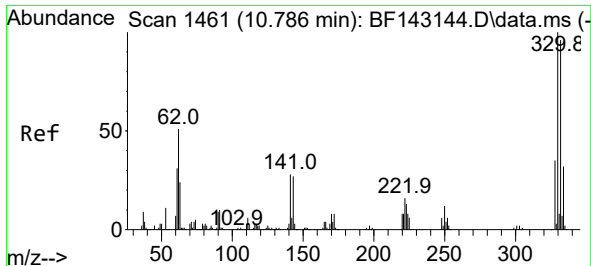
Tgt Ion: 82 Resp: 157061
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143242.D
Acq: 24 Jul 2025 19:24

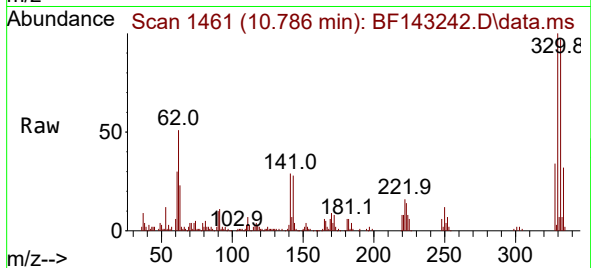
Tgt Ion:164 Resp: 159461
Ion Ratio Lower Upper
164 100
162 98.2 79.0 118.6
160 43.1 35.1 52.7



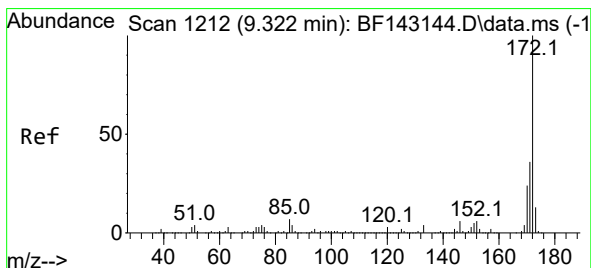
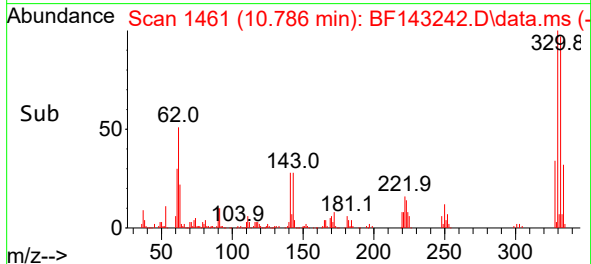
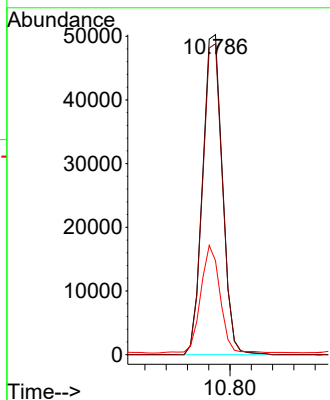


#42
2,4,6-Tribromophenol
Concen: 39.463 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143242.D
Acq: 24 Jul 2025 19:24

Instrument :
BNA_F
ClientSampleId :
OK-03-07222025

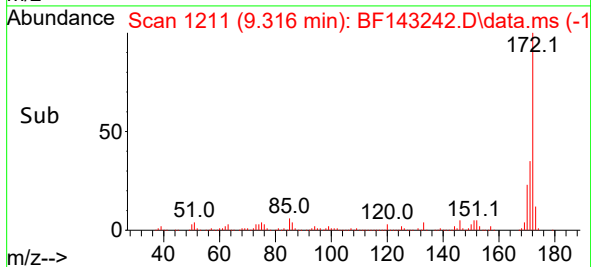
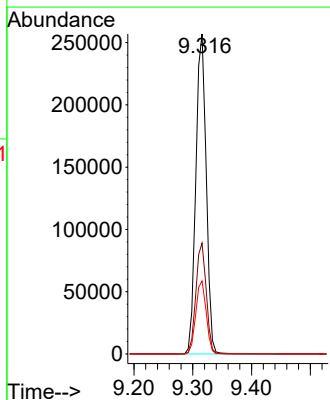
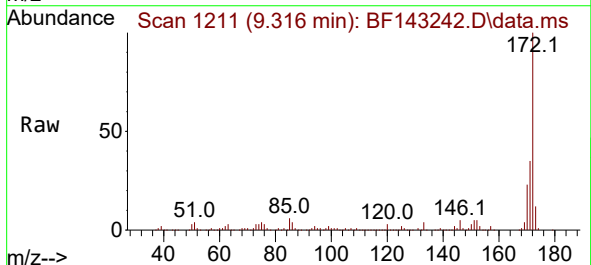


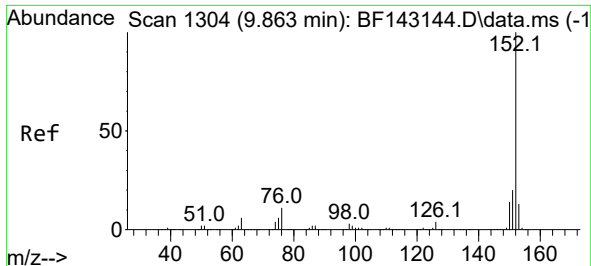
Tgt Ion: 330 Resp: 65008
Ion Ratio Lower Upper
330 100
332 97.4 76.7 115.1
141 33.5 23.3 34.9



#45
2-Fluorobiphenyl
Concen: 27.092 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143242.D
Acq: 24 Jul 2025 19:24

Tgt Ion: 172 Resp: 315882
Ion Ratio Lower Upper
172 100
171 34.6 28.6 42.8
170 22.9 18.8 28.2





#49

Acenaphthylene

Concen: 2.664 ng

RT: 9.857 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143242.D

Acq: 24 Jul 2025 19:24

Instrument :

BNA_F

ClientSampleId :

OK-03-07222025

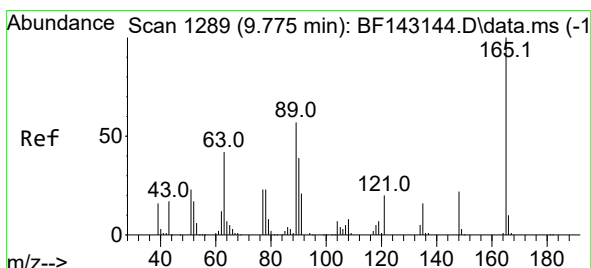
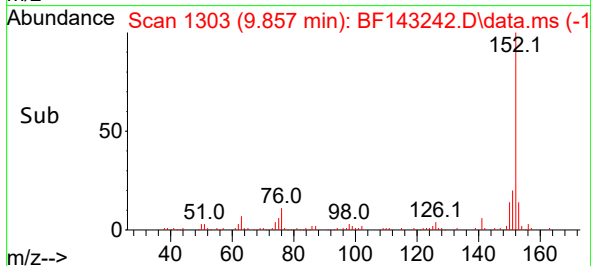
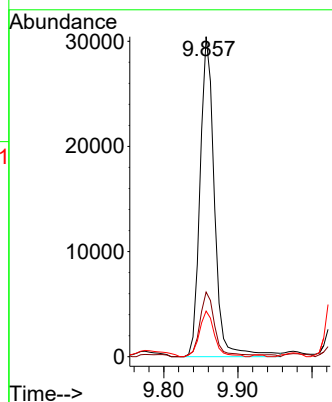
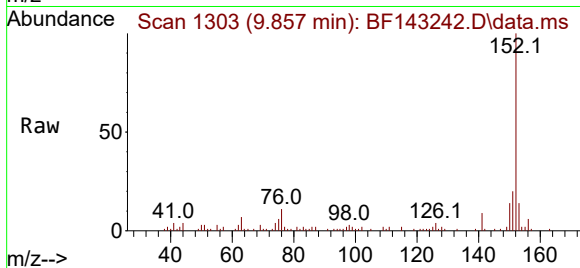
Tgt Ion:152 Resp: 41100

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.2

153 14.3 10.6 16.0



#51

2,6-Dinitrotoluene

Concen: 10.099 ng

RT: 9.998 min Scan# 1327

Delta R.T. 0.224 min

Lab File: BF143242.D

Acq: 24 Jul 2025 19:24

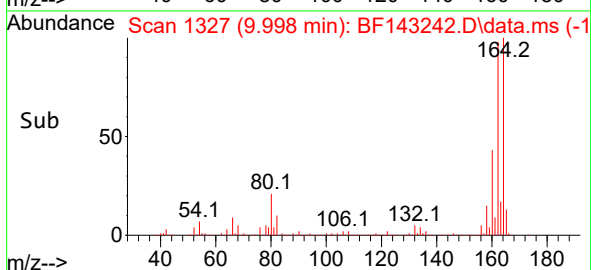
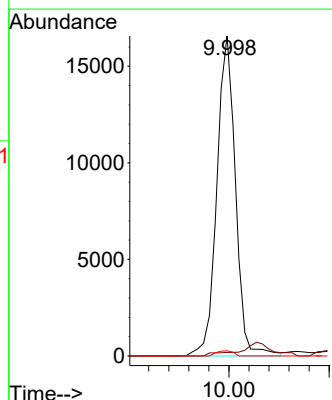
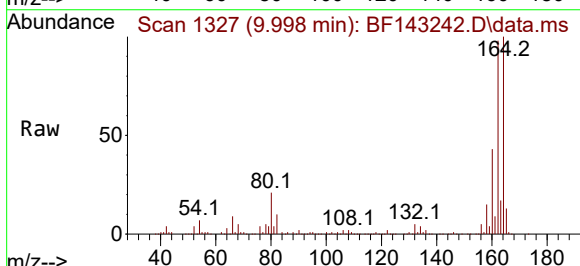
Tgt Ion:165 Resp: 21354

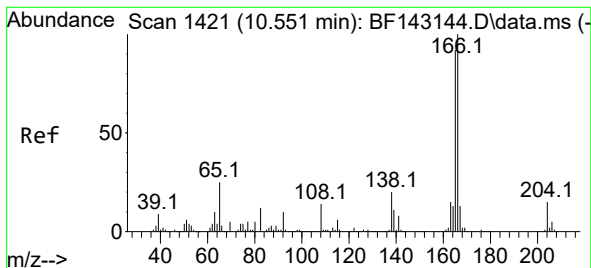
Ion Ratio Lower Upper

165 100

63 1.1 49.4 74.2#

89 1.6 46.2 69.2#





#58

Fluorene

Concen: 2.293 ng

RT: 10.545 min Scan# 14

Delta R.T. -0.006 min

Lab File: BF143242.D

Acq: 24 Jul 2025 19:24

Instrument :

BNA_F

ClientSampleId :

OK-03-07222025

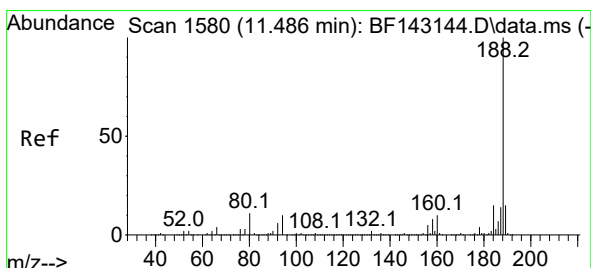
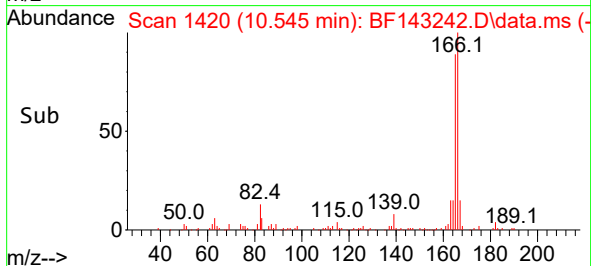
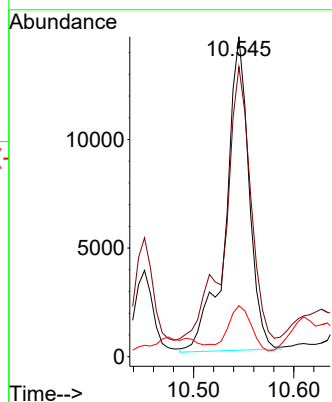
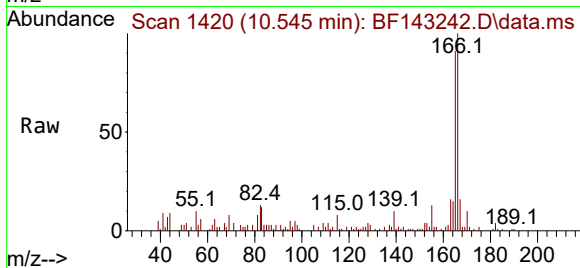
Tgt Ion:166 Resp: 23293

Ion Ratio Lower Upper

166 100

165 90.6 73.7 110.5

167 15.9 10.6 16.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 1580

Delta R.T. 0.000 min

Lab File: BF143242.D

Acq: 24 Jul 2025 19:24

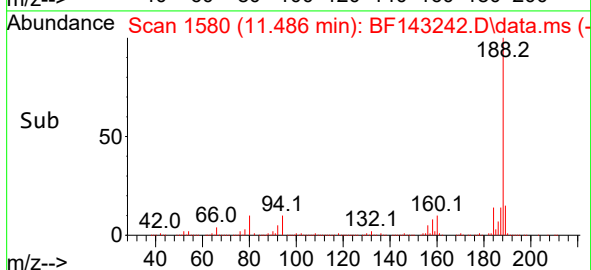
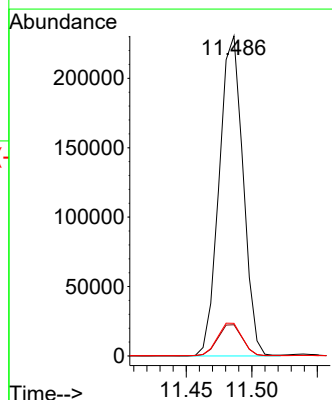
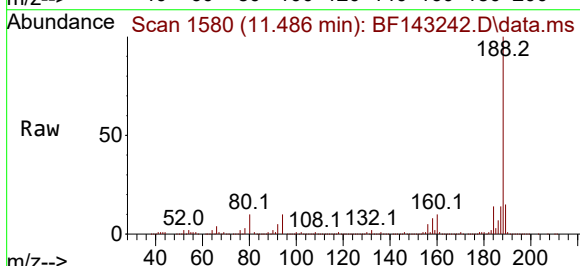
Tgt Ion:188 Resp: 292197

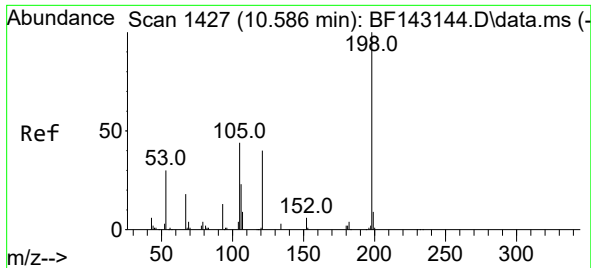
Ion Ratio Lower Upper

188 100

94 9.7 8.3 12.5

80 10.2 9.0 13.6

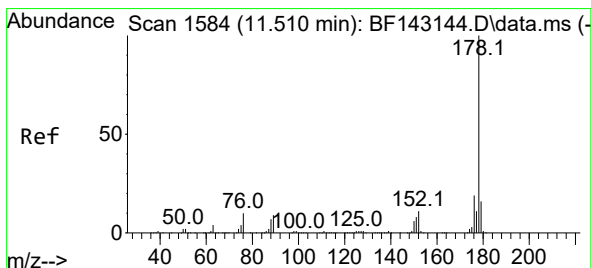
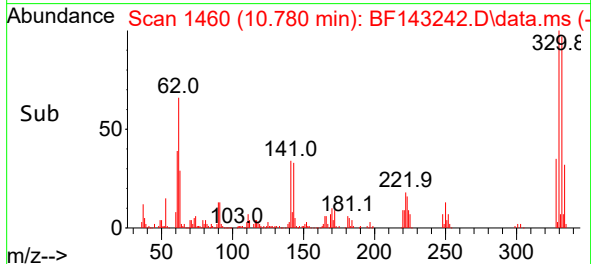
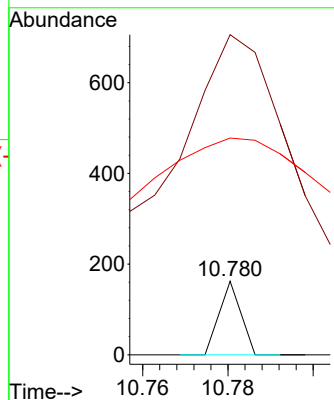
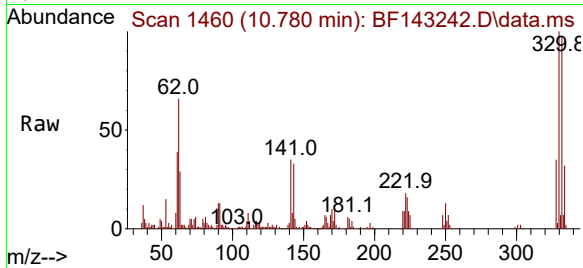




#65
4,6-Dinitro-2-methylphenol
Concen: 5.445 ng
RT: 10.780 min Scan# 1427
Delta R.T. 0.194 min
Lab File: BF143242.D
Acq: 24 Jul 2025 19:24

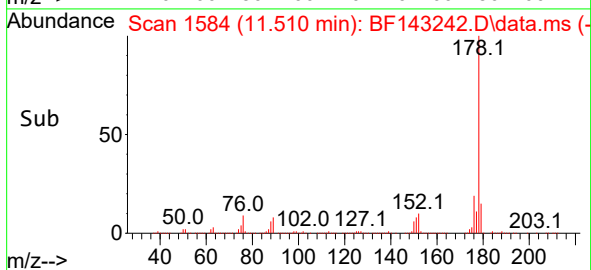
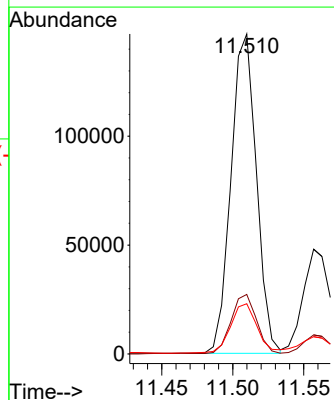
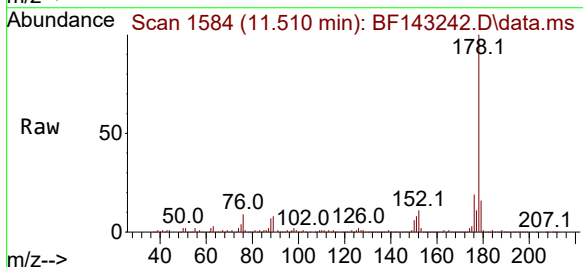
Instrument :
BNA_F
ClientSampleId :
OK-03-07222025

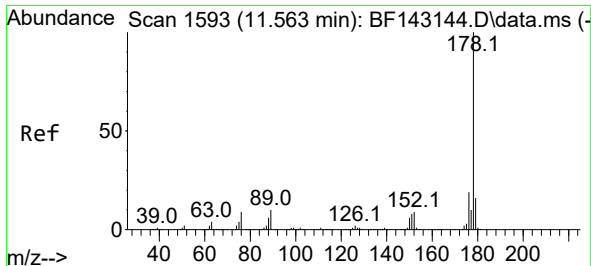
Tgt Ion:198 Resp: 57
Ion Ratio Lower Upper
198 100
51 435.8 37.2 77.2#
105 295.1 24.8 64.8#



#71
Phenanthrene
Concen: 11.793 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF143242.D
Acq: 24 Jul 2025 19:24

Tgt Ion:178 Resp: 182966
Ion Ratio Lower Upper
178 100
176 18.6 15.3 22.9
179 15.7 12.5 18.7

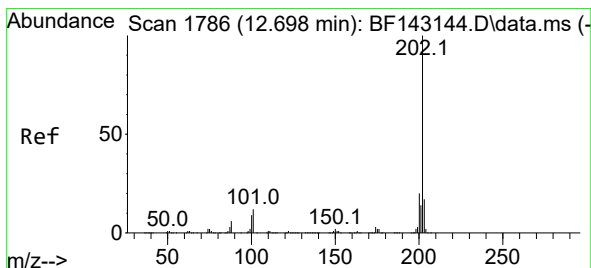
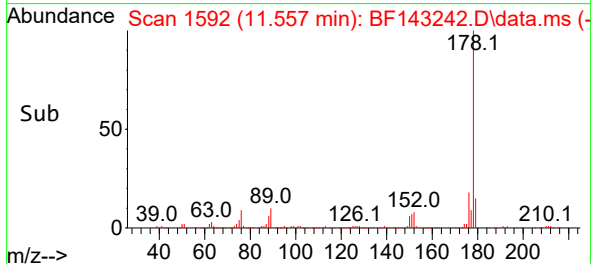
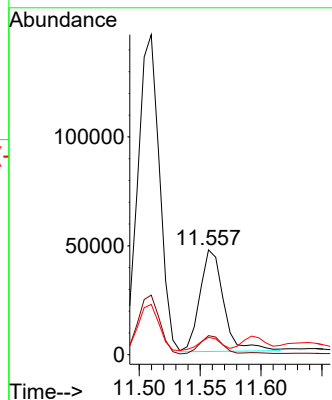
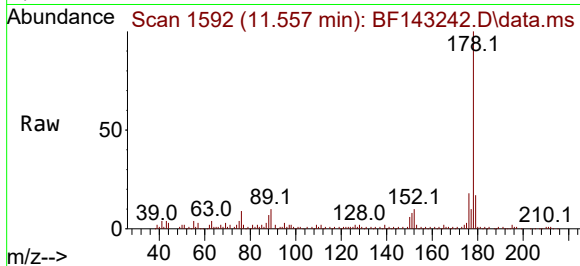




#72
 Anthracene
 Concen: 4.025 ng
 RT: 11.557 min Scan# 1593
 Delta R.T. -0.006 min
 Lab File: BF143242.D
 Acq: 24 Jul 2025 19:24

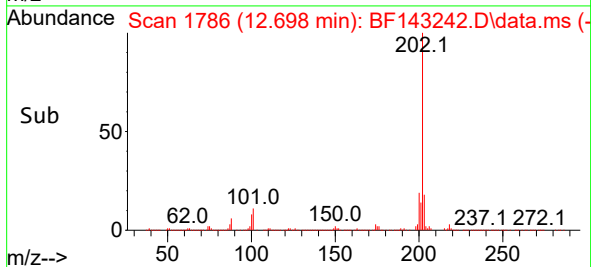
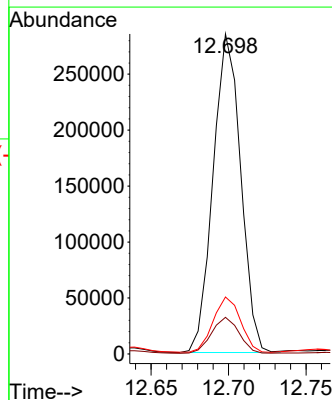
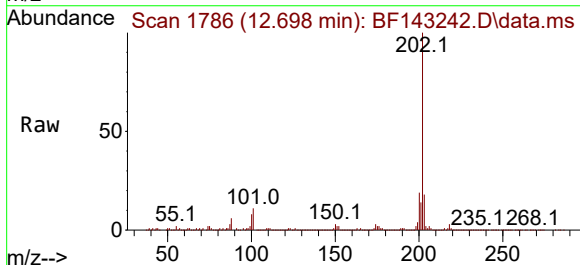
Instrument :
 BNA_F
 ClientSampleId :
 OK-03-07222025

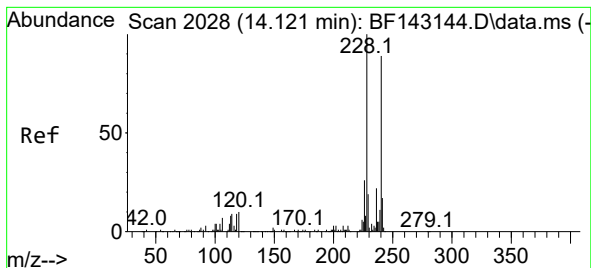
Tgt Ion:178 Resp: 63687
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.0 22.4
 179 16.6 12.5 18.7



#75
 Fluoranthene
 Concen: 24.785 ng
 RT: 12.698 min Scan# 1786
 Delta R.T. 0.000 min
 Lab File: BF143242.D
 Acq: 24 Jul 2025 19:24

Tgt Ion:202 Resp: 352949
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 31.7
 203 17.8 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.127 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF143242.D

Acq: 24 Jul 2025 19:24

Instrument :

BNA_F

ClientSampleId :

OK-03-07222025

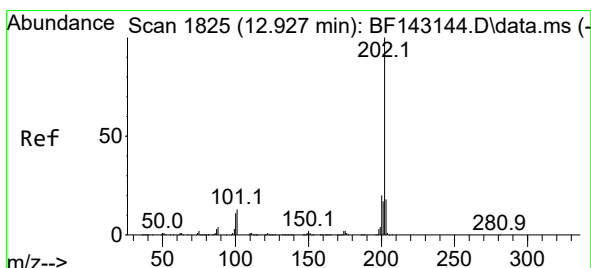
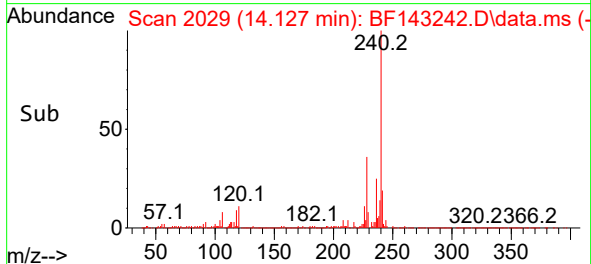
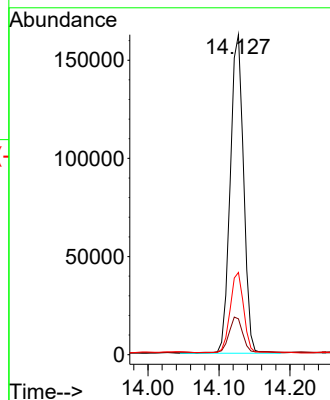
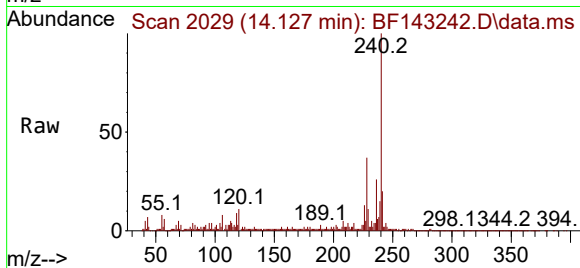
Tgt Ion:240 Resp: 212127

Ion Ratio Lower Upper

240 100

120 11.2 9.4 14.2

236 25.7 20.2 30.4



#78

Pyrene

Concen: 24.560 ng

RT: 12.927 min Scan# 1825

Delta R.T. 0.000 min

Lab File: BF143242.D

Acq: 24 Jul 2025 19:24

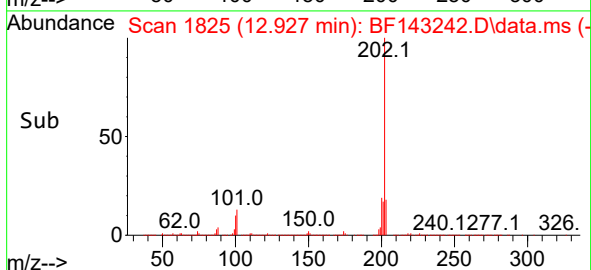
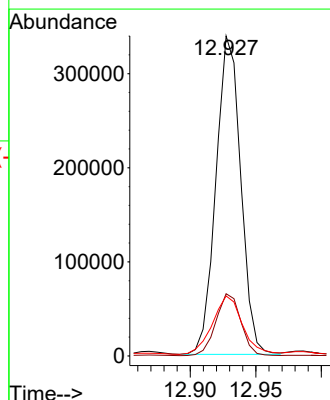
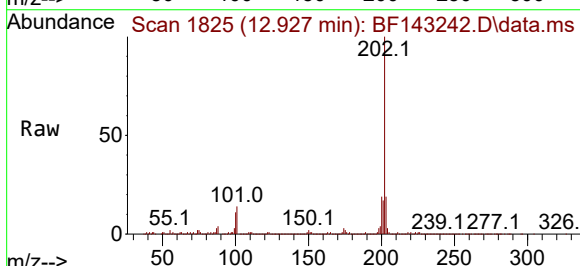
Tgt Ion:202 Resp: 444637

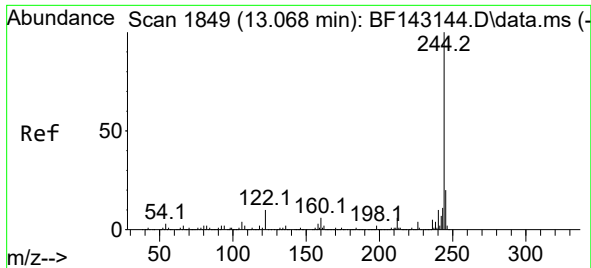
Ion Ratio Lower Upper

202 100

200 19.5 15.7 23.5

203 18.7 14.2 21.2

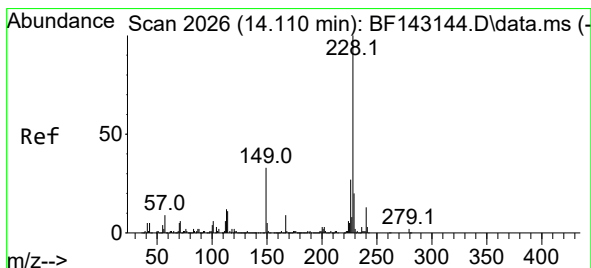
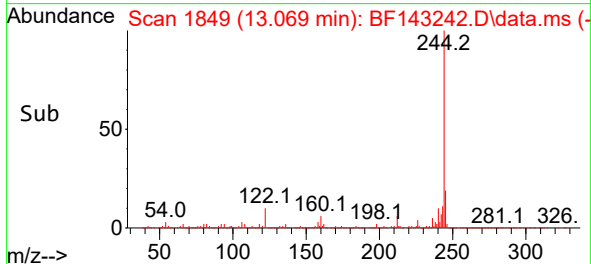
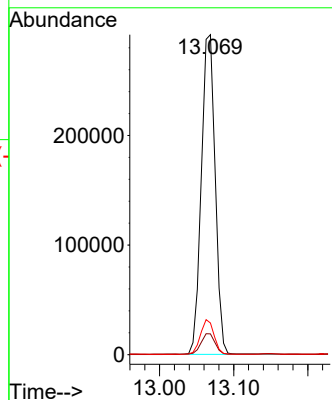
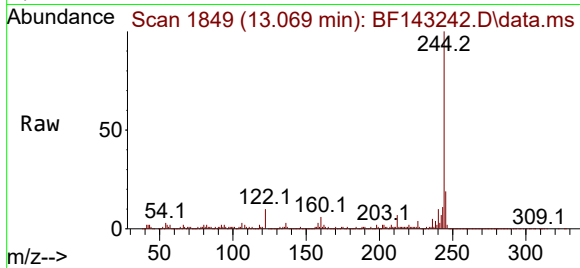




#79
 Terphenyl-d14
 Concen: 26.604 ng
 RT: 13.069 min Scan# 1849
 Delta R.T. 0.000 min
 Lab File: BF143242.D
 Acq: 24 Jul 2025 19:24

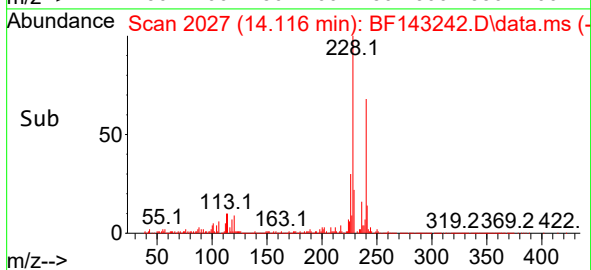
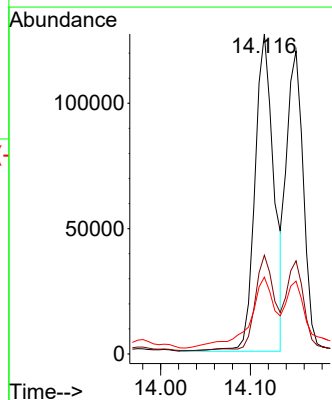
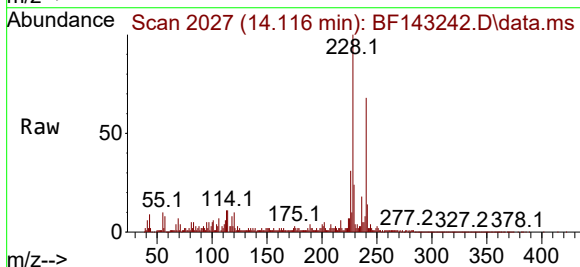
Instrument :
 BNA_F
 ClientSampleId :
 OK-03-07222025

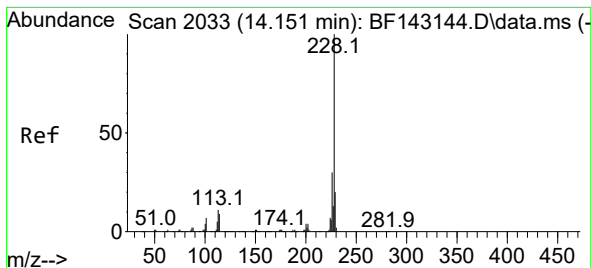
Tgt Ion:244 Resp: 379235
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.2 7.8
 122 9.9 8.2 12.2



#81
 Benzo(a)anthracene
 Concen: 13.124 ng
 RT: 14.116 min Scan# 2027
 Delta R.T. 0.006 min
 Lab File: BF143242.D
 Acq: 24 Jul 2025 19:24

Tgt Ion:228 Resp: 186382
 Ion Ratio Lower Upper
 228 100
 226 30.8 21.7 32.5
 229 24.0 15.8 23.6#





#83

Chrysene

Concen: 12.126 ng

RT: 14.151 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF143242.D

Acq: 24 Jul 2025 19:24

Instrument :

BNA_F

ClientSampleId :

OK-03-07222025

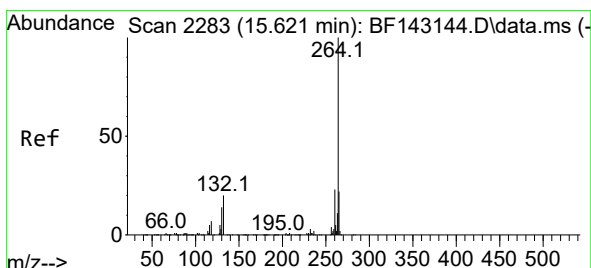
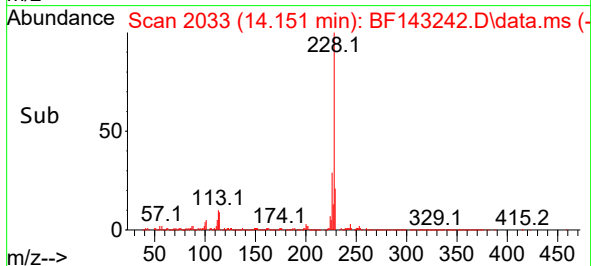
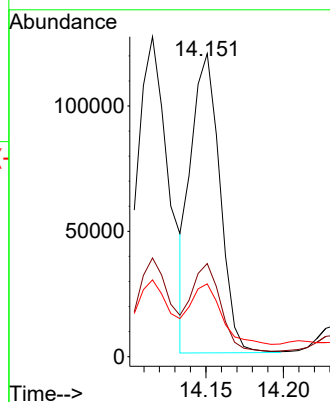
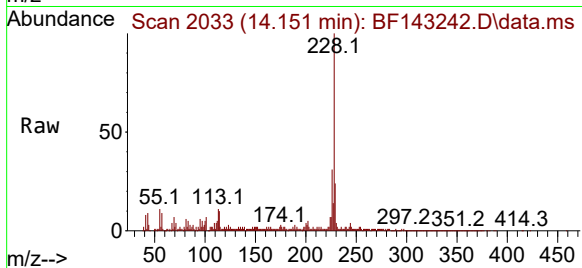
Tgt Ion:228 Resp: 154832

Ion Ratio Lower Upper

228 100

226 30.7 23.8 35.8

229 24.0 15.6 23.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.633 min Scan# 2285

Delta R.T. 0.012 min

Lab File: BF143242.D

Acq: 24 Jul 2025 19:24

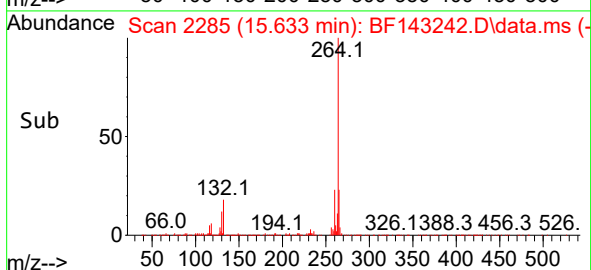
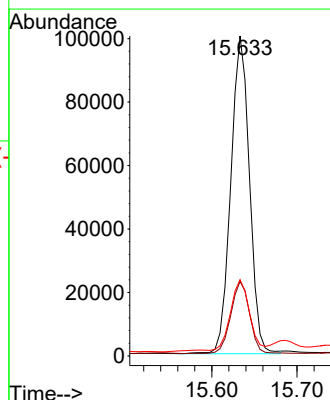
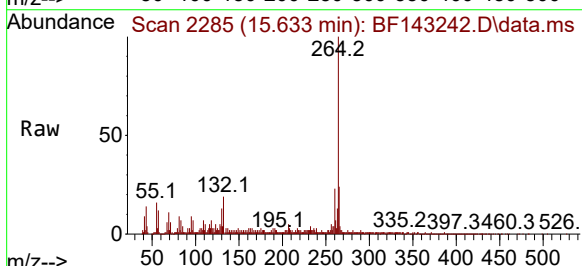
Tgt Ion:264 Resp: 152418

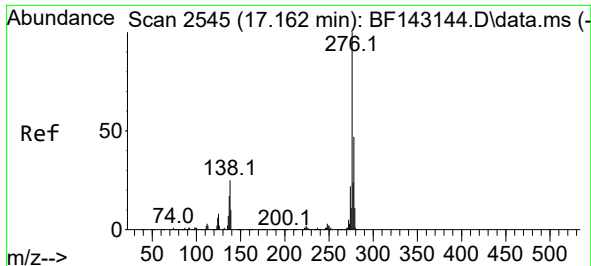
Ion Ratio Lower Upper

264 100

260 23.3 18.5 27.7

265 23.9 17.4 26.2

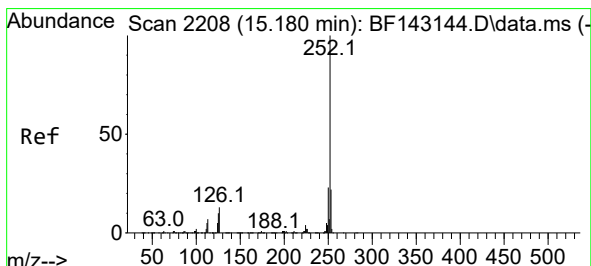
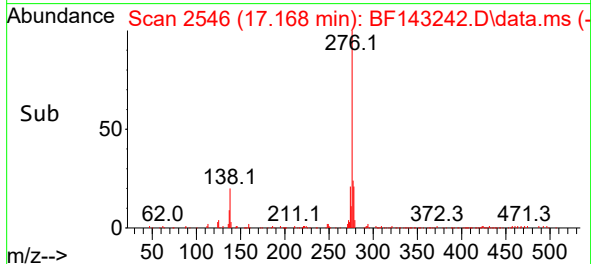
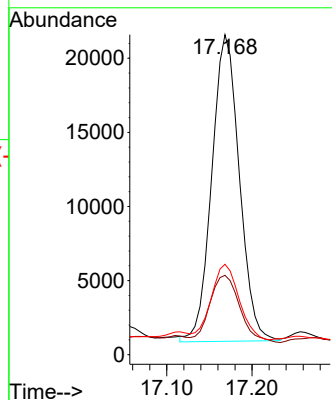
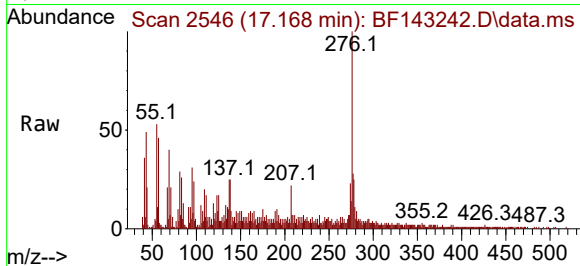




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.321 ng
 RT: 17.168 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF143242.D
 Acq: 24 Jul 2025 19:24

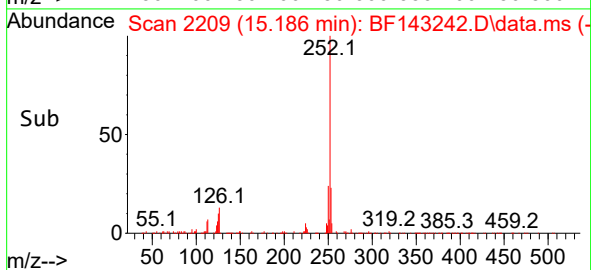
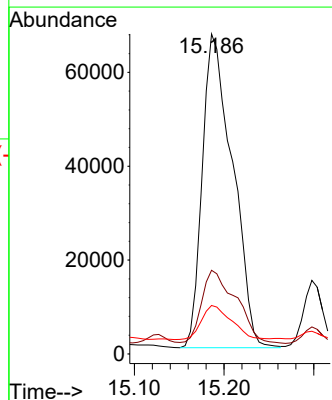
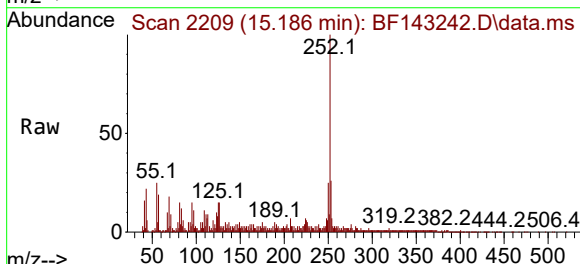
Instrument :
 BNA_F
 ClientSampleId :
 OK-03-07222025

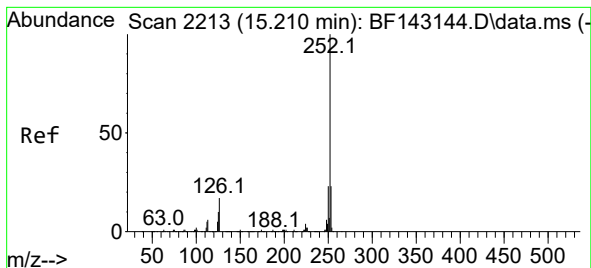
Tgt Ion:276 Resp: 46440
 Ion Ratio Lower Upper
 276 100
 138 23.8 21.8 32.6
 277 24.9 20.0 30.0



#88
 Benzo(b)fluoranthene
 Concen: 16.813 ng
 RT: 15.186 min Scan# 2209
 Delta R.T. 0.006 min
 Lab File: BF143242.D
 Acq: 24 Jul 2025 19:24

Tgt Ion:252 Resp: 156554
 Ion Ratio Lower Upper
 252 100
 253 26.1 17.5 26.3
 125 15.1 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 18.842 ng

RT: 15.186 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF143242.D

Acq: 24 Jul 2025 19:24

Instrument :

BNA_F

ClientSampleId :

OK-03-07222025

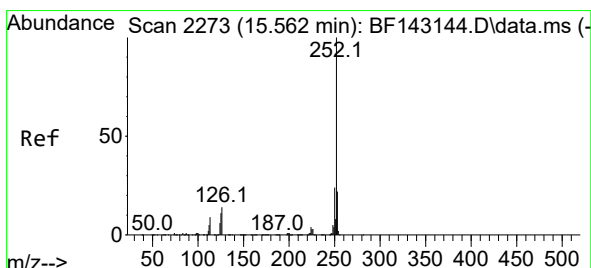
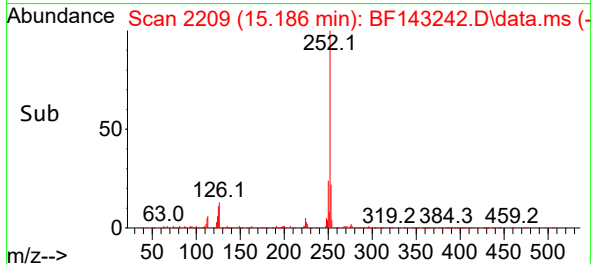
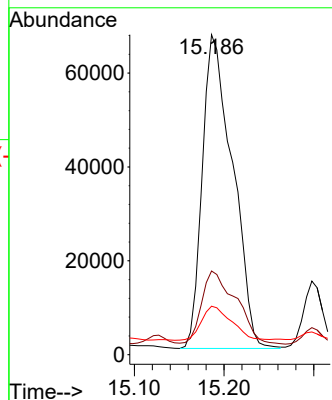
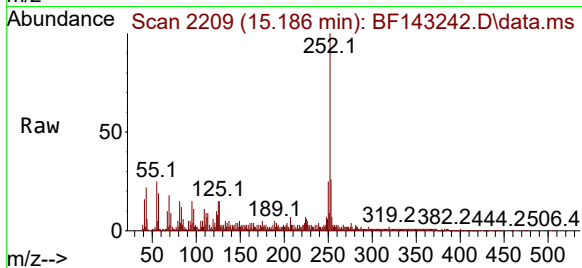
Tgt Ion:252 Resp: 156554

Ion Ratio Lower Upper

252 100

253 26.1 17.8 26.6

125 15.1 8.1 12.1#



#90

Benzo(a)pyrene

Concen: 11.277 ng

RT: 15.568 min Scan# 2274

Delta R.T. 0.006 min

Lab File: BF143242.D

Acq: 24 Jul 2025 19:24

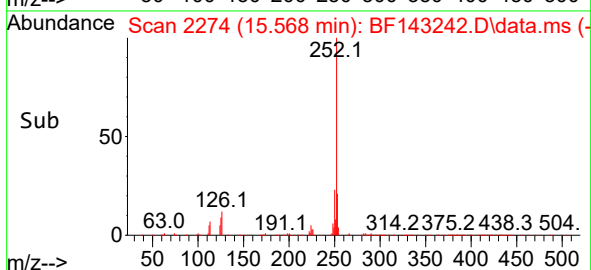
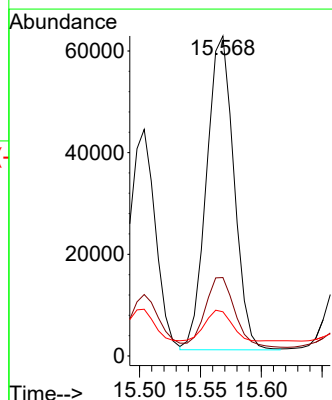
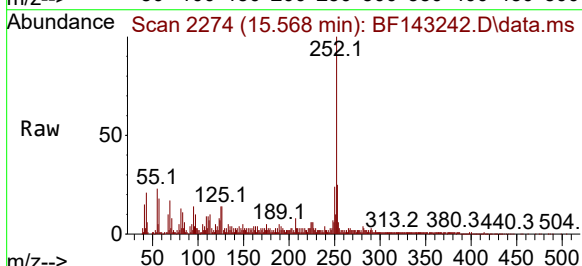
Tgt Ion:252 Resp: 96749

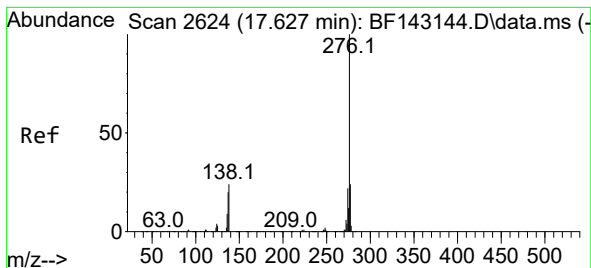
Ion Ratio Lower Upper

252 100

253 24.5 17.3 25.9

125 13.8 8.6 13.0#





#92

Benzo(g,h,i)perylene

Concen: 5.818 ng

RT: 17.639 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF143242.D

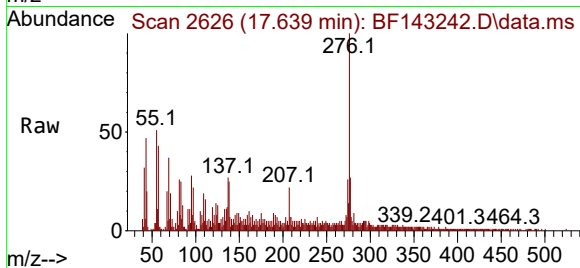
Acq: 24 Jul 2025 19:24

Instrument :

BNA_F

ClientSampleId :

OK-03-07222025



Tgt Ion:276 Resp: 49231

Ion Ratio Lower Upper

276 100

277 27.1 19.1 28.7

138 24.8 18.9 28.3

