

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
 Data File : BF143526.D
 Acq On : 21 Aug 2025 13:15
 Operator : RC/JU
 Sample : Q2819-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 11M-E

Quant Time: Aug 21 13:52:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

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

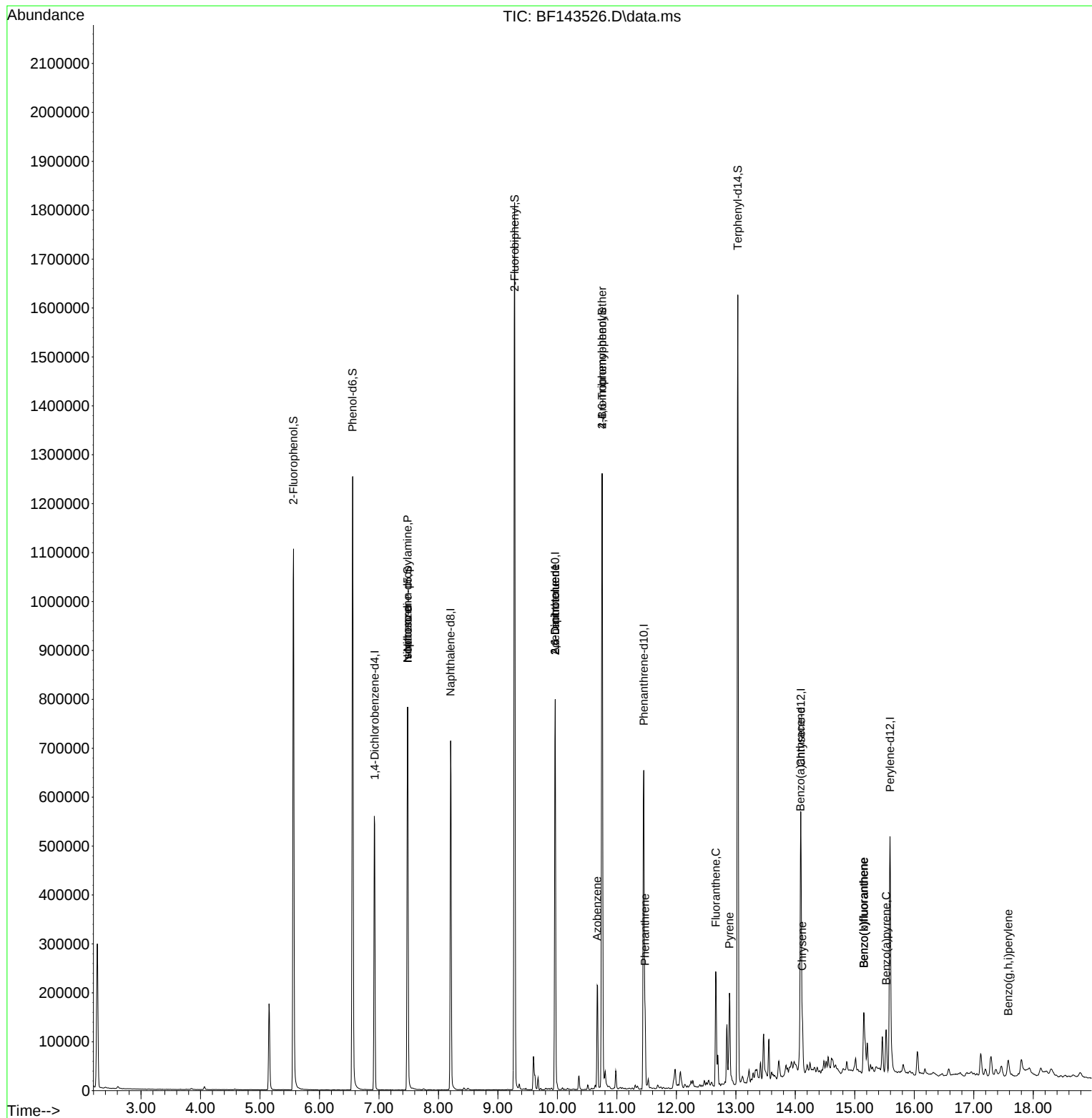
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	121867	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	459647	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	239052	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	332166	20.000	ng	0.00
76) Chrysene-d12	14.092	240	225807	20.000	ng	-0.01
86) Perylene-d12	15.592	264	280214	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	417584	59.833	ng	0.00
7) Phenol-d6	6.557	99	564215	65.489	ng	-0.02
23) Nitrobenzene-d5	7.481	82	340976	43.289	ng	-0.02
42) 2,4,6-Tribromophenol	10.751	330	222437	99.962	ng	-0.01
45) 2-Fluorobiphenyl	9.281	172	790732	54.667	ng	0.00
79) Terphenyl-d14	13.033	244	779515	60.241	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	46322	8.797	ng	# 76
25) Isophorone	7.481	82	326618	22.621	ng	# 65
51) 2,6-Dinitrotoluene	9.963	165	30425	10.196	ng	# 25
57) 2,4-Dinitrotoluene	9.963	165	30425	7.636	ng	# 26
63) Azobenzene	10.669	77	55798	4.169	ng	# 1
67) 4-Bromophenyl-phenylether	10.751	248	14785	3.731	ng	# 1
71) Phenanthrene	11.475	178	80869	4.546	ng	99
75) Fluoranthene	12.663	202	131237	8.222	ng	99
78) Pyrene	12.892	202	105809	5.697	ng	98
81) Benzo(a)anthracene	14.086	228	56053	3.856	ng	98
83) Chrysene	14.116	228	57195	4.378	ng	97
88) Benzo(b)fluoranthene	15.151	252	109628	7.038	ng	97
89) Benzo(k)fluoranthene	15.151	252	109628	7.351	ng	97
90) Benzo(a)pyrene	15.527	252	54410	3.763	ng	98
92) Benzo(g,h,i)perylene	17.580	276	32686	2.038	ng	96

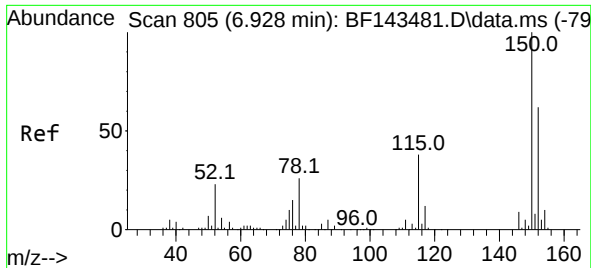
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143526.D
Acq On : 21 Aug 2025 13:15
Operator : RC/JU
Sample : Q2819-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
11M-E

Quant Time: Aug 21 13:52:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

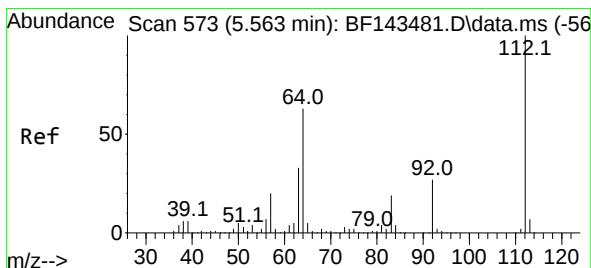
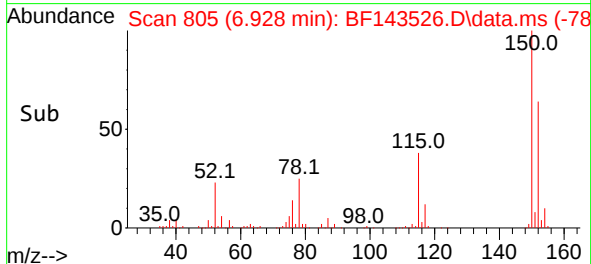
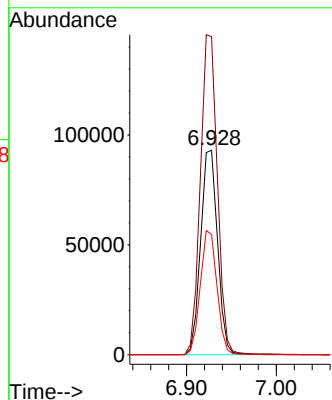
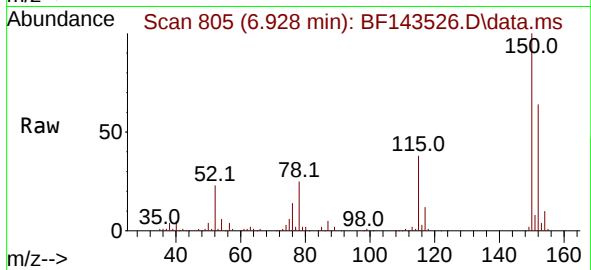




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143526.D
Acq: 21 Aug 2025 13:15

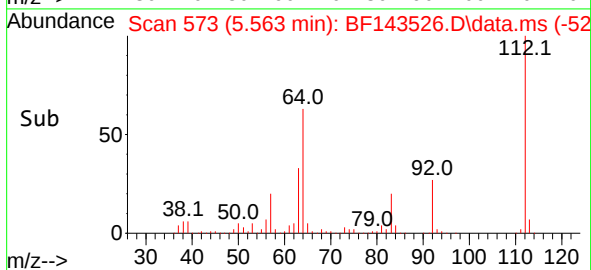
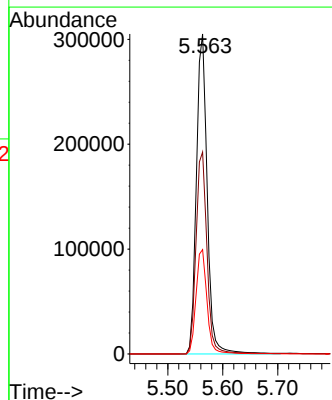
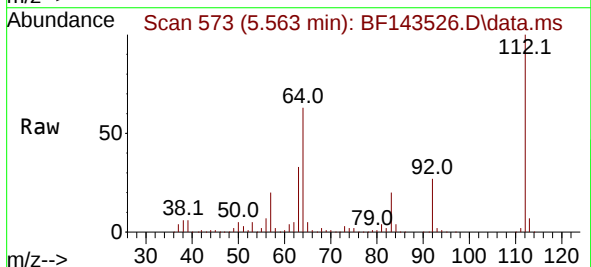
Instrument :
BNA_F
ClientSampleId :
11M-E

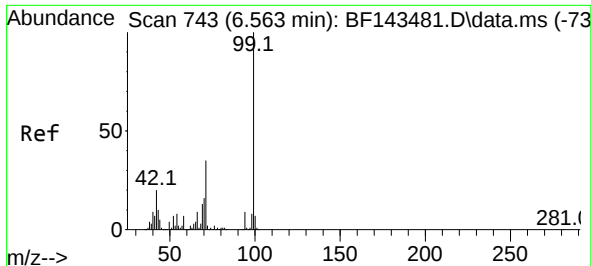
Tgt Ion:152 Resp: 121867
Ion Ratio Lower Upper
152 100
150 155.5 128.9 193.3
115 58.8 49.2 73.8



#5
2-Fluorophenol
Concen: 59.833 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.000 min
Lab File: BF143526.D
Acq: 21 Aug 2025 13:15

Tgt Ion:112 Resp: 417584
Ion Ratio Lower Upper
112 100
64 63.1 50.4 75.6
63 32.6 26.4 39.6

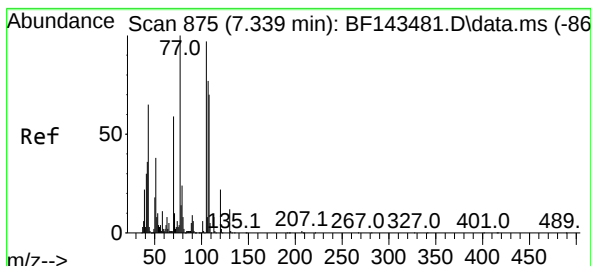
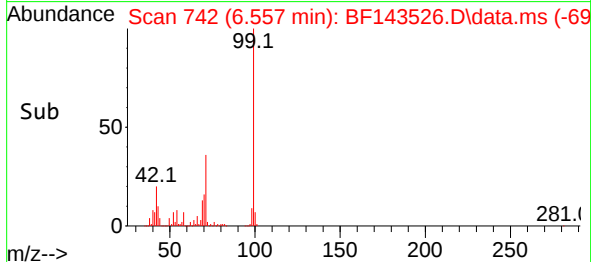
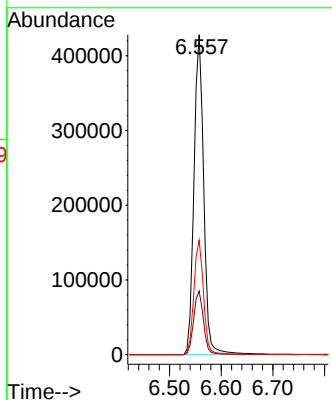
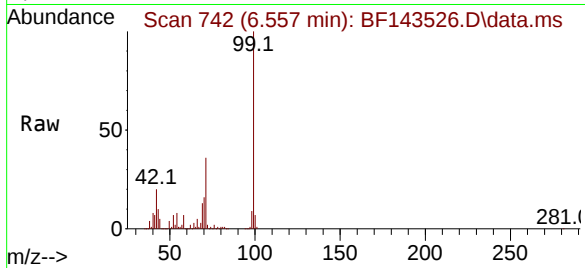




#7
Phenol-d6
Concen: 65.489 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143526.D
Acq: 21 Aug 2025 13:15

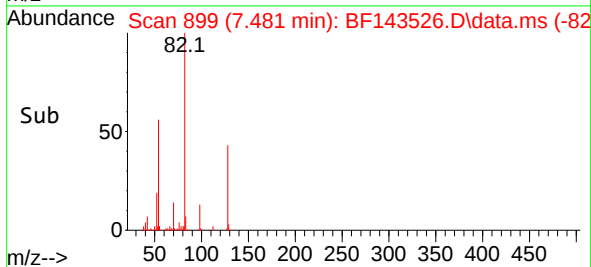
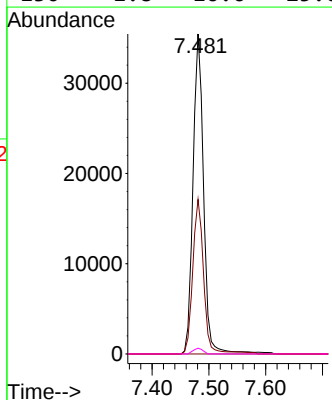
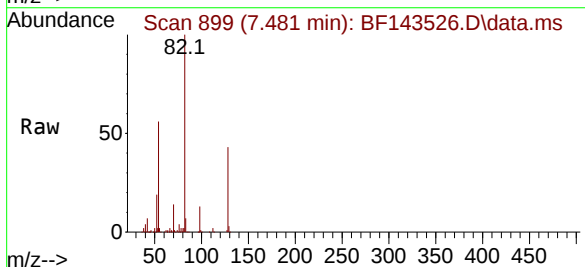
Instrument :
BNA_F
ClientSampleId :
11M-E

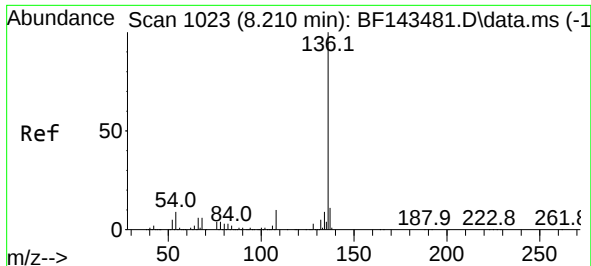
Tgt Ion: 99 Resp: 564215
Ion Ratio Lower Upper
99 100
42 19.9 16.3 24.5
71 35.8 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 8.797 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.129 min
Lab File: BF143526.D
Acq: 21 Aug 2025 13:15

Tgt Ion: 70 Resp: 46322
Ion Ratio Lower Upper
70 100
42 48.3 49.3 73.9#
101 0.0 7.8 11.8#
130 1.8 16.6 25.0#

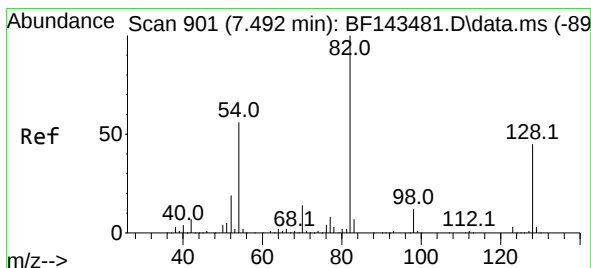
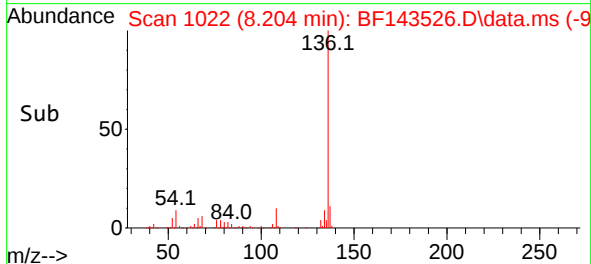
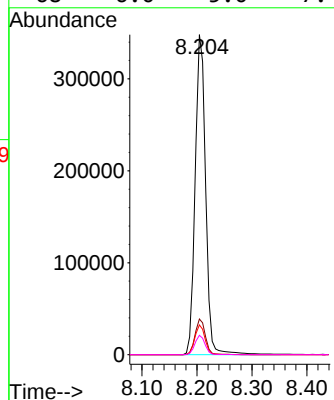
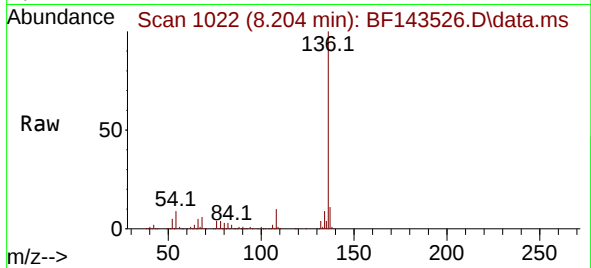




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143526.D
Acq: 21 Aug 2025 13:15

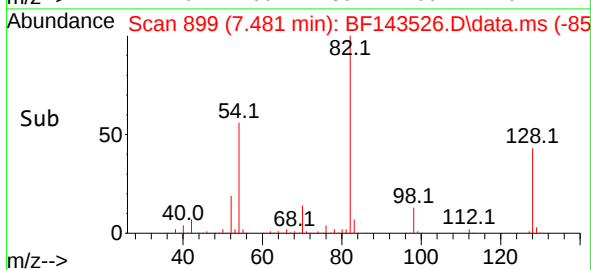
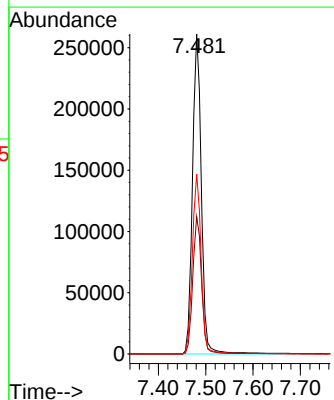
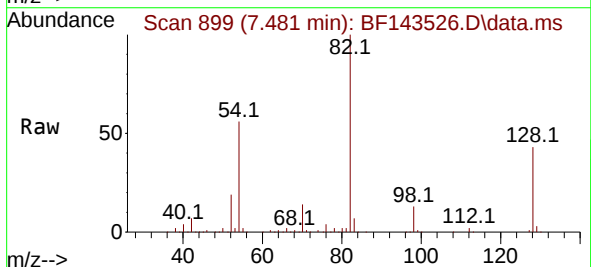
Instrument :
BNA_F
ClientSampleId :
11M-E

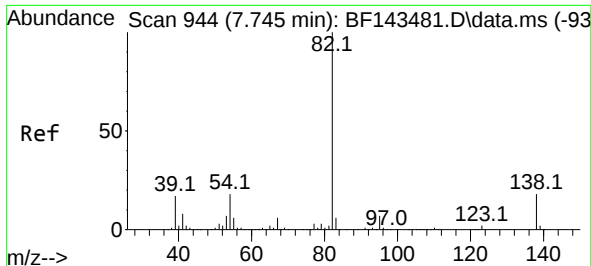
Tgt Ion:136 Resp: 459647
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 9.3 7.4 11.2
68 6.0 5.0 7.4



#23
Nitrobenzene-d5
Concen: 43.289 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.018 min
Lab File: BF143526.D
Acq: 21 Aug 2025 13:15

Tgt Ion: 82 Resp: 340976
Ion Ratio Lower Upper
82 100
128 43.0 35.5 53.3
54 56.2 44.3 66.5

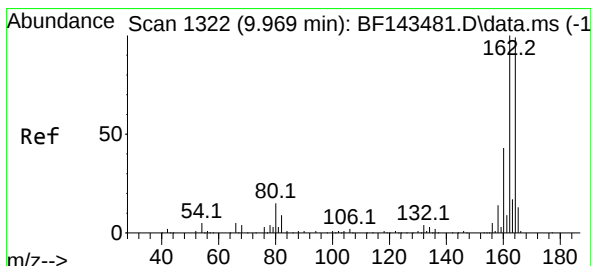
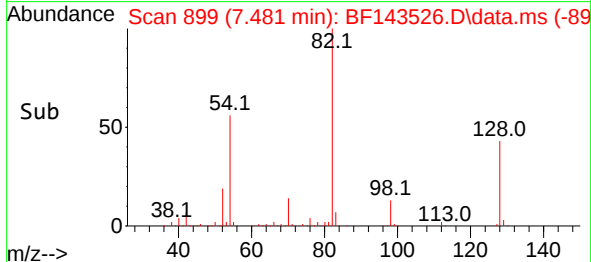
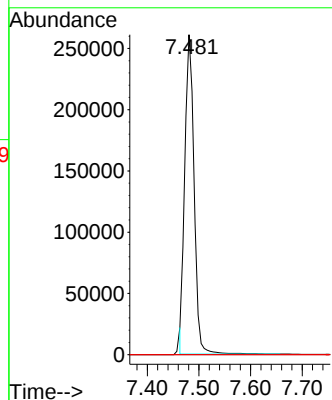
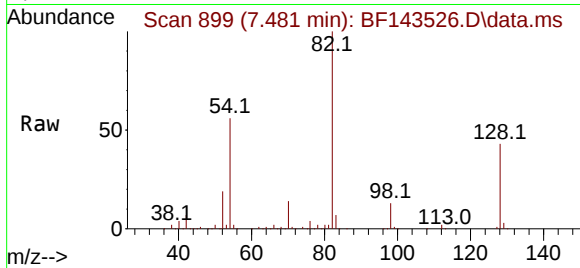




#25
Isophorone
Concen: 22.621 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.276 min
Lab File: BF143526.D
Acq: 21 Aug 2025 13:15

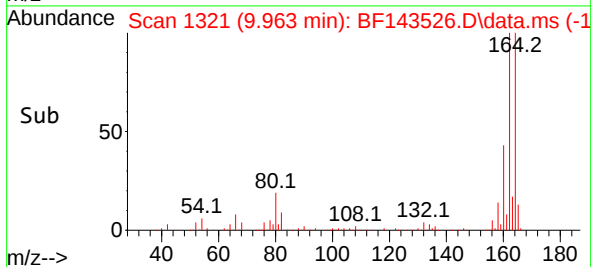
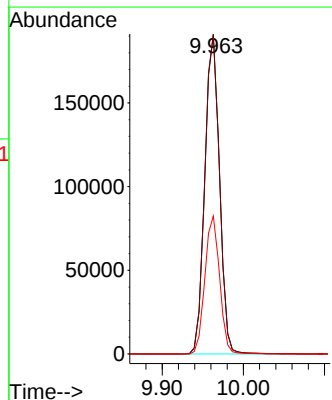
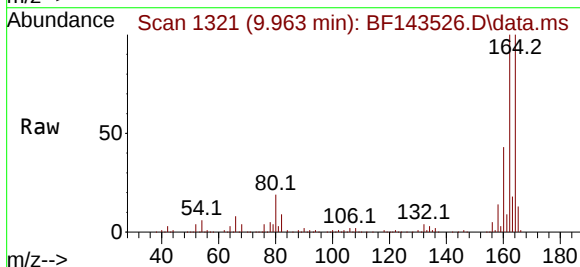
Instrument :
BNA_F
ClientSampleId :
11M-E

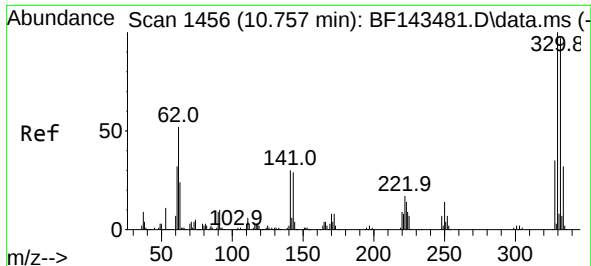
Tgt Ion: 82 Resp: 326618
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.2 21.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF143526.D
Acq: 21 Aug 2025 13:15

Tgt Ion:164 Resp: 239052
Ion Ratio Lower Upper
164 100
162 100.5 80.5 120.7
160 43.3 34.3 51.5

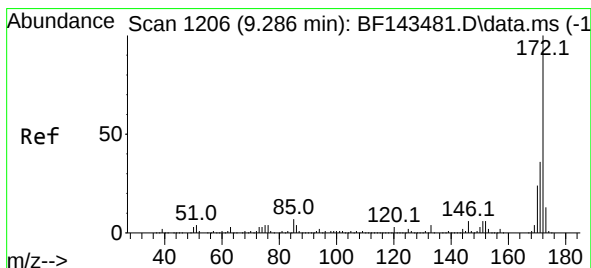
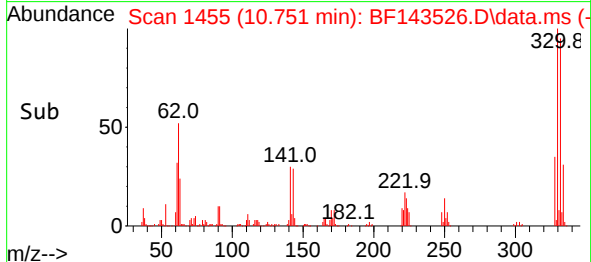
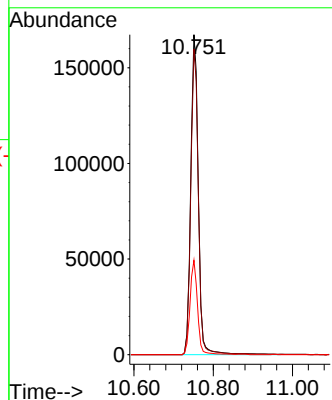
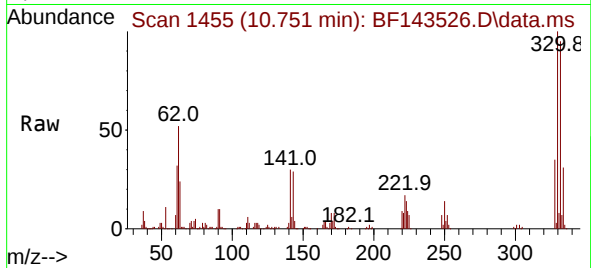




#42
 2,4,6-Tribromophenol
 Concen: 99.962 ng
 RT: 10.751 min Scan# 1455
 Delta R.T. -0.012 min
 Lab File: BF143526.D
 Acq: 21 Aug 2025 13:15

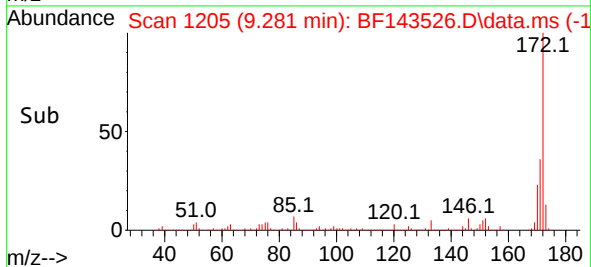
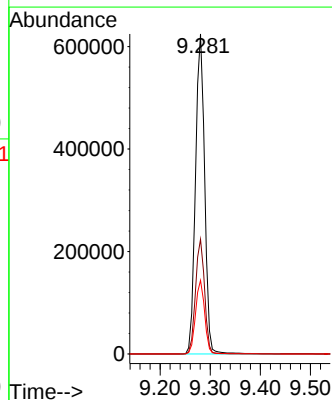
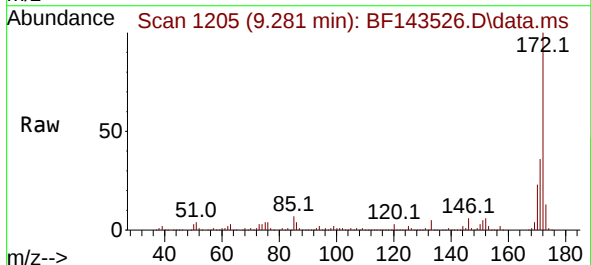
Instrument :
 BNA_F
 ClientSampleId :
 11M-E

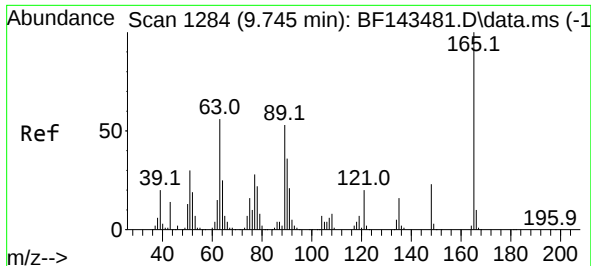
Tgt Ion: 330 Resp: 222437
 Ion Ratio Lower Upper
 330 100
 332 95.8 78.0 117.0
 141 29.3 23.7 35.5



#45
 2-Fluorobiphenyl
 Concen: 54.667 ng
 RT: 9.281 min Scan# 1205
 Delta R.T. -0.006 min
 Lab File: BF143526.D
 Acq: 21 Aug 2025 13:15

Tgt Ion: 172 Resp: 790732
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.8 43.2
 170 23.0 18.8 28.2

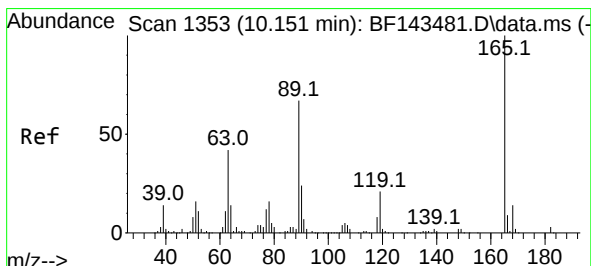
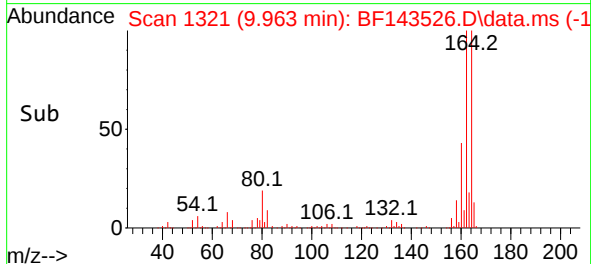
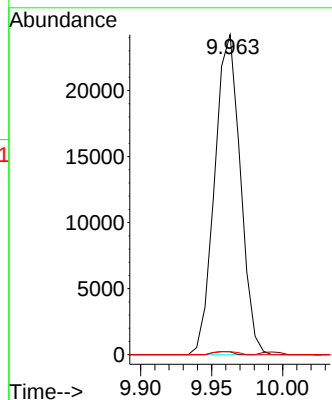
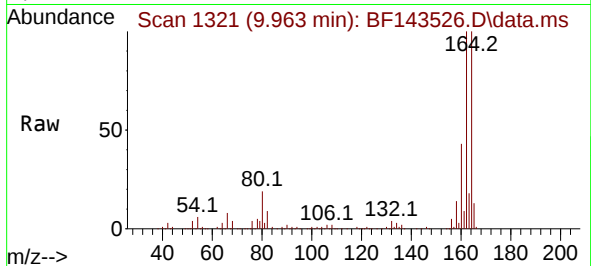




#51
2,6-Dinitrotoluene
Concen: 10.196 ng
RT: 9.963 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF143526.D
Acq: 21 Aug 2025 13:15

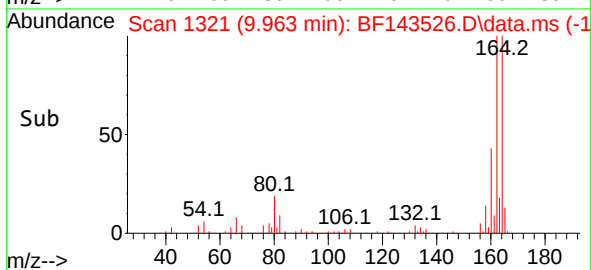
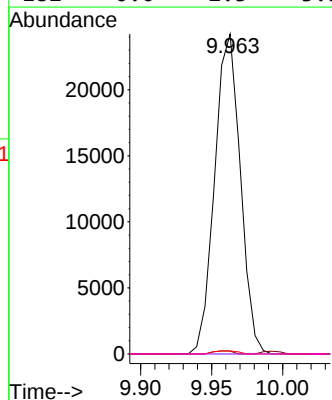
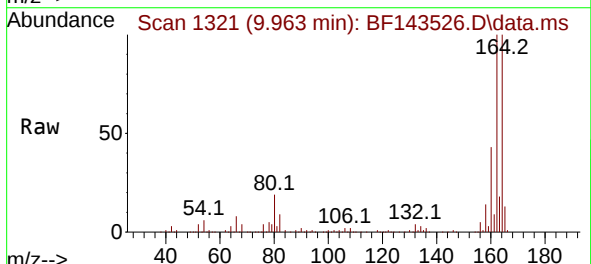
Instrument :
BNA_F
ClientSampleId :
11M-E

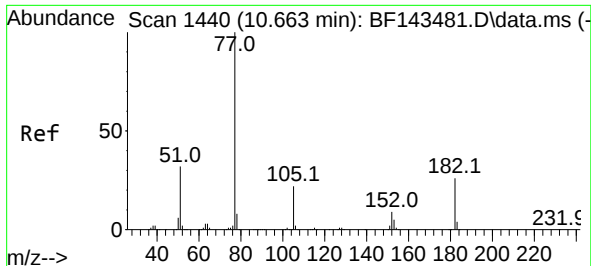
Tgt Ion:165 Resp: 30425
Ion Ratio Lower Upper
165 100
63 0.9 45.0 67.6#
89 0.9 42.5 63.7#



#57
2,4-Dinitrotoluene
Concen: 7.636 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF143526.D
Acq: 21 Aug 2025 13:15

Tgt Ion:165 Resp: 30425
Ion Ratio Lower Upper
165 100
63 0.9 34.9 52.3#
89 0.9 53.3 79.9#
182 0.0 2.3 3.5#

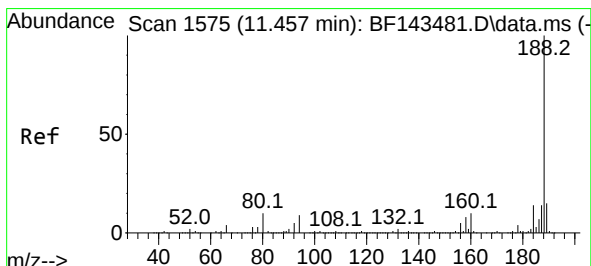
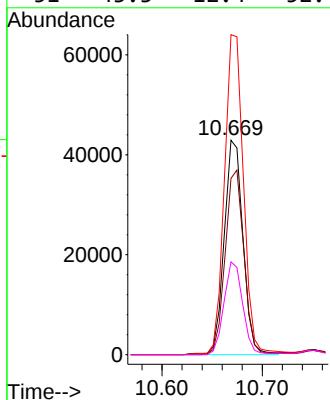
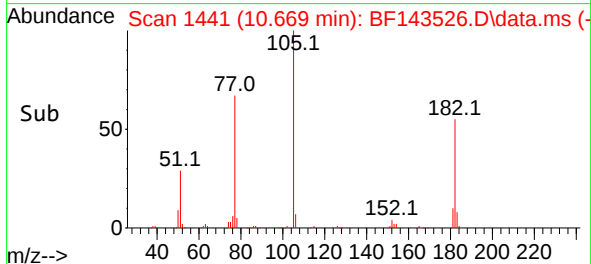
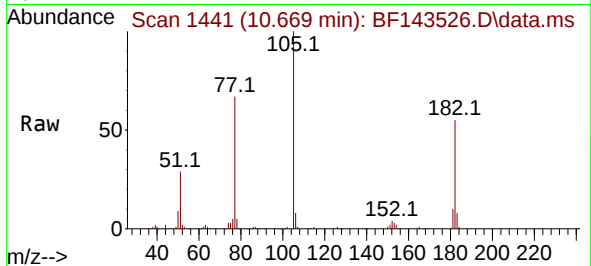




#63
Azobenzene
Concen: 4.169 ng
RT: 10.669 min Scan# 1440
Delta R.T. 0.000 min
Lab File: BF143526.D
Acq: 21 Aug 2025 13:15

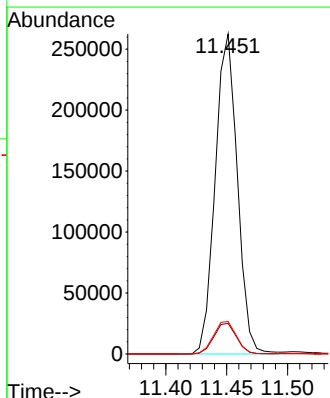
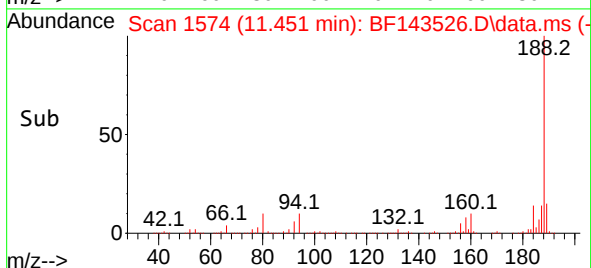
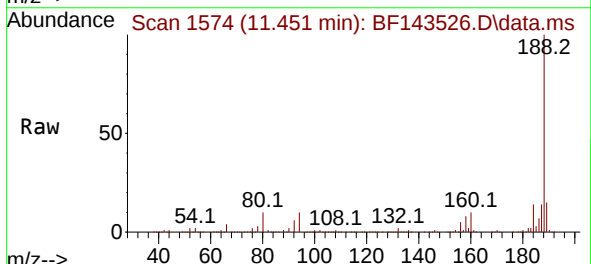
Instrument :
BNA_F
ClientSampleId :
11M-E

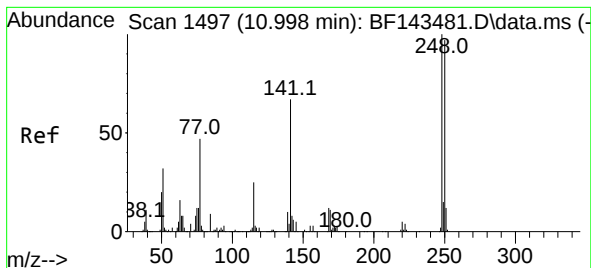
Tgt Ion: 77	Resp: 55798
Ion Ratio	Lower Upper
77 100	
182 82.3	6.2 46.2#
105 149.3	2.2 42.2#
51 43.3	12.4 52.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF143526.D
Acq: 21 Aug 2025 13:15

Tgt Ion: 188	Resp: 332166
Ion Ratio	Lower Upper
188 100	
94 9.6	7.4 11.2
80 10.2	8.2 12.4

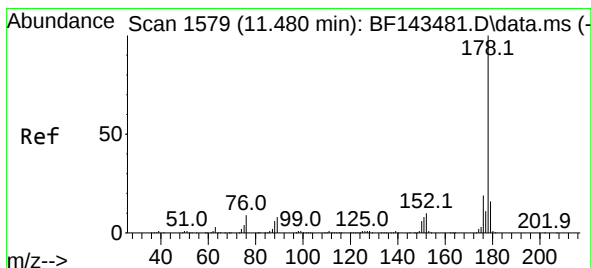
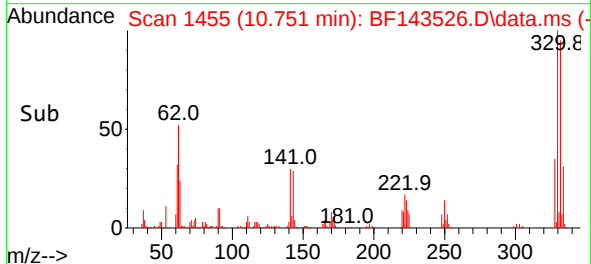
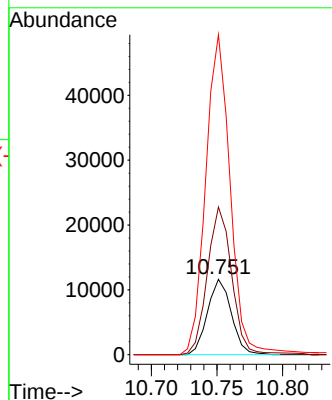
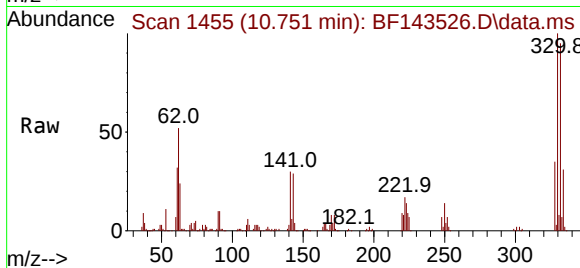




#67
4-Bromophenyl-phenylether
Concen: 3.731 ng
RT: 10.751 min Scan# 1497
Delta R.T. -0.247 min
Lab File: BF143526.D
Acq: 21 Aug 2025 13:15

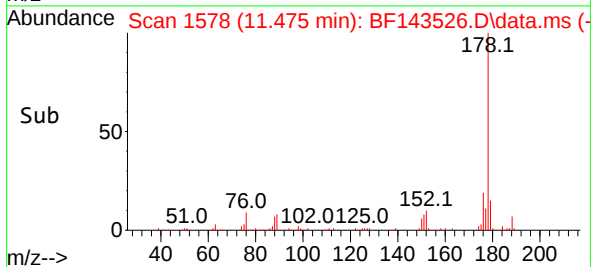
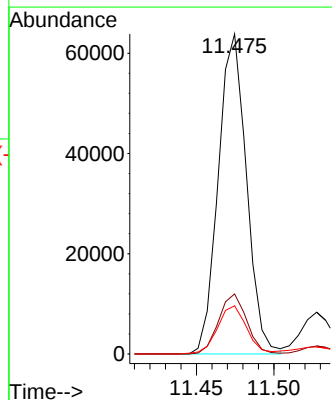
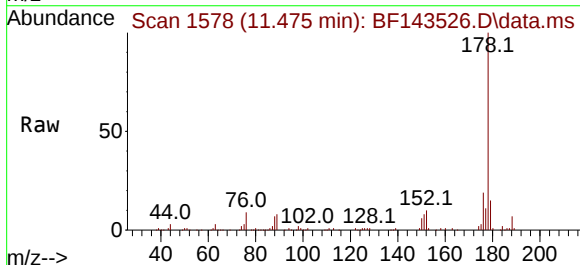
Instrument :
BNA_F
ClientSampleId :
11M-E

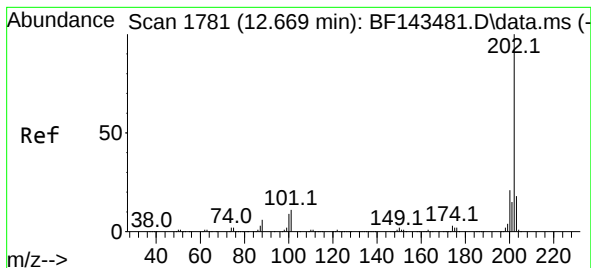
Tgt Ion:248 Resp: 14785
Ion Ratio Lower Upper
248 100
250 195.9 77.8 116.8#
141 424.2 54.0 81.0#



#71
Phenanthrene
Concen: 4.546 ng
RT: 11.475 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF143526.D
Acq: 21 Aug 2025 13:15

Tgt Ion:178 Resp: 80869
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 15.1 12.5 18.7





#75

Fluoranthene

Concen: 8.222 ng

RT: 12.663 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF143526.D

Acq: 21 Aug 2025 13:15

Instrument :

BNA_F

ClientSampleId :

11M-E

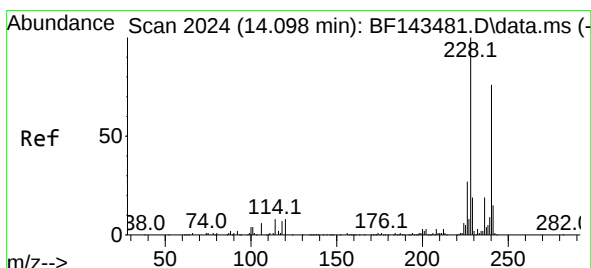
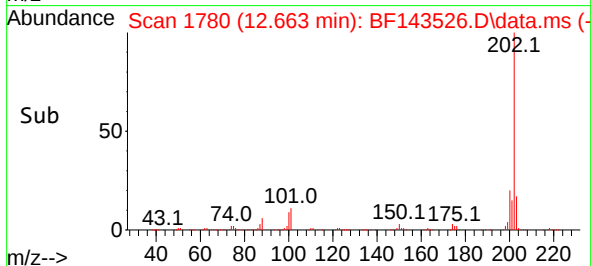
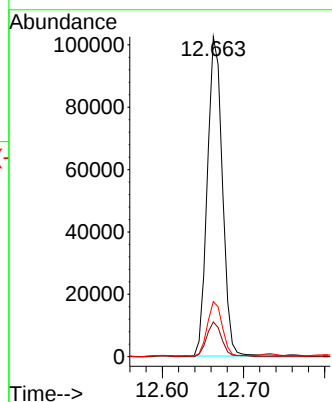
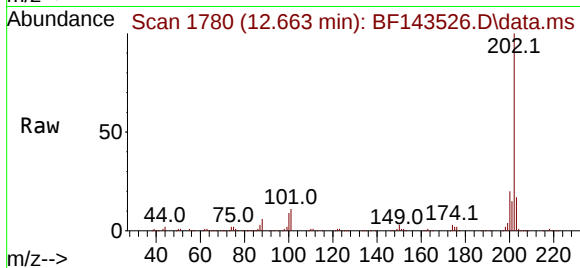
Tgt Ion:202 Resp: 131237

Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.3

203 17.2 0.0 37.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.092 min Scan# 2023

Delta R.T. -0.012 min

Lab File: BF143526.D

Acq: 21 Aug 2025 13:15

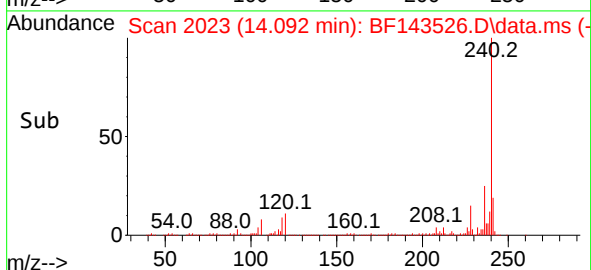
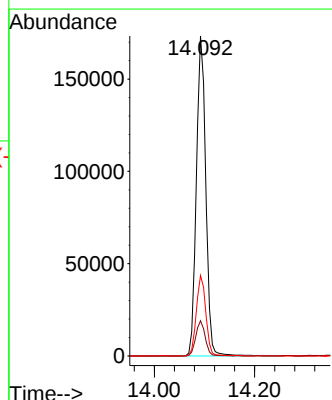
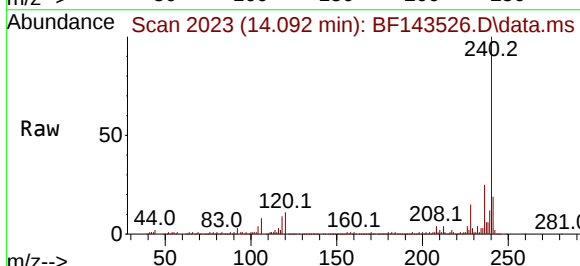
Tgt Ion:240 Resp: 225807

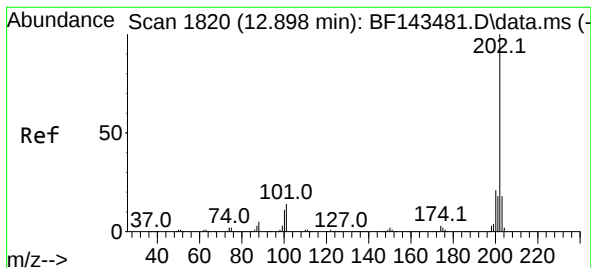
Ion Ratio Lower Upper

240 100

120 11.0 8.6 12.8

236 25.1 20.4 30.6





#78

Pyrene

Concen: 5.697 ng

RT: 12.892 min Scan# 1819

Delta R.T. -0.012 min

Lab File: BF143526.D

Acq: 21 Aug 2025 13:15

Instrument :

BNA_F

ClientSampleId :

11M-E

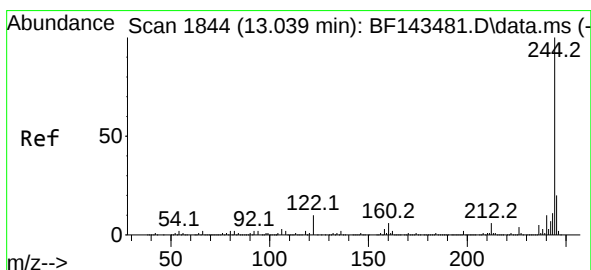
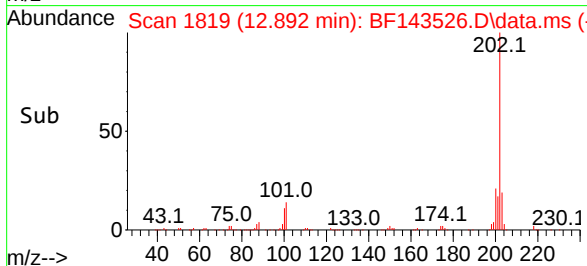
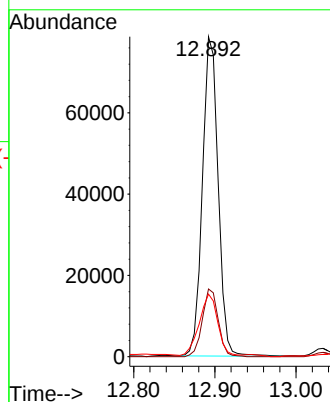
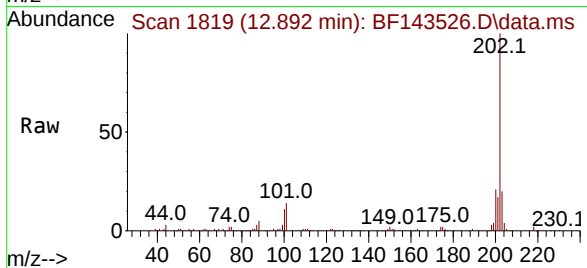
Tgt Ion:202 Resp: 105809

Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.4

203 19.6 14.3 21.5



#79

Terphenyl-d14

Concen: 60.241 ng

RT: 13.033 min Scan# 1843

Delta R.T. -0.006 min

Lab File: BF143526.D

Acq: 21 Aug 2025 13:15

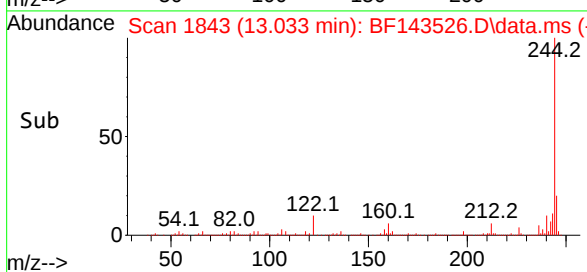
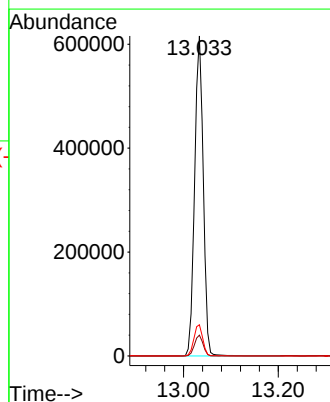
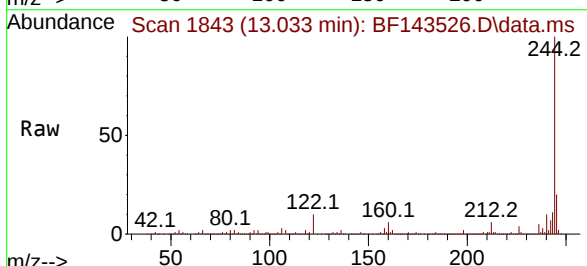
Tgt Ion:244 Resp: 779515

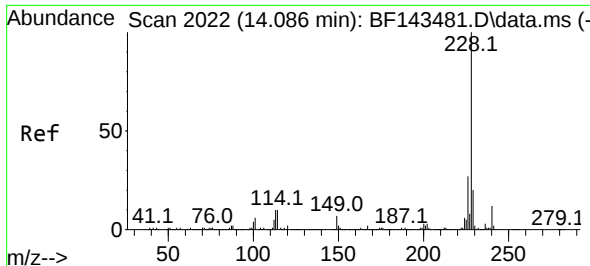
Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

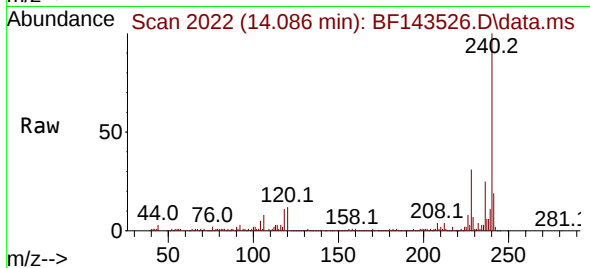
122 9.8 7.9 11.9



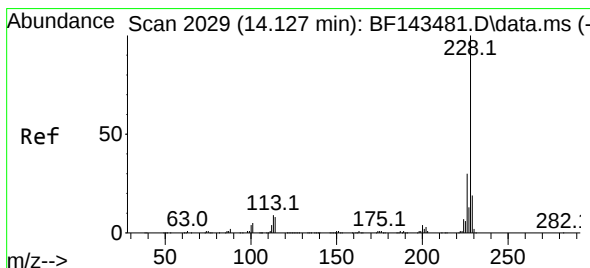
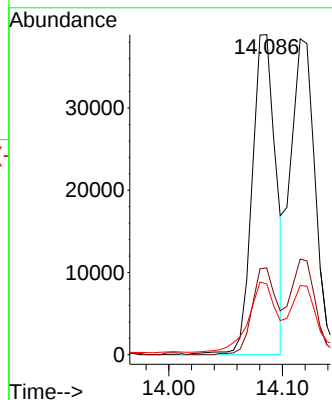
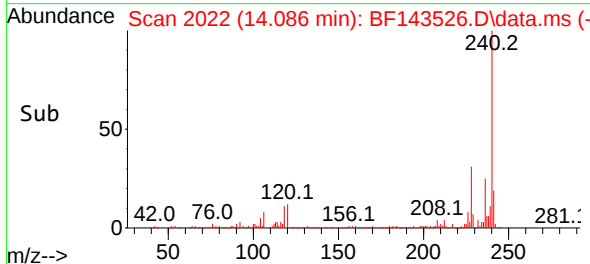


#81
Benzo(a)anthracene
Concen: 3.856 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143526.D
Acq: 21 Aug 2025 13:15

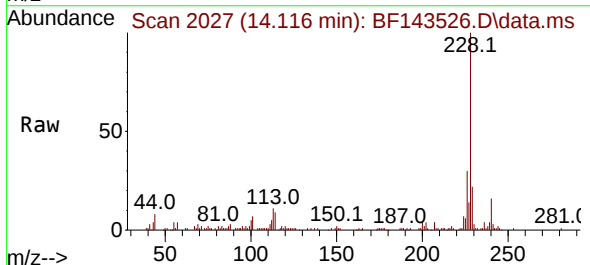
Instrument :
BNA_F
ClientSampleId :
11M-E



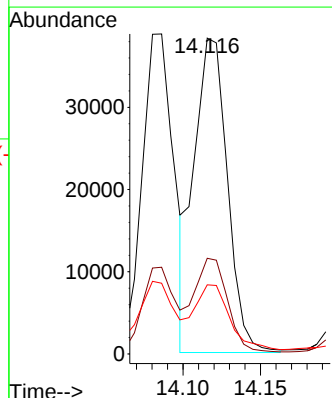
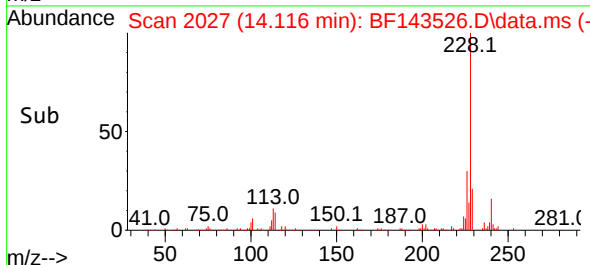
Tgt Ion:228 Resp: 56053
Ion Ratio Lower Upper
228 100
226 27.1 21.7 32.5
229 22.1 15.7 23.5

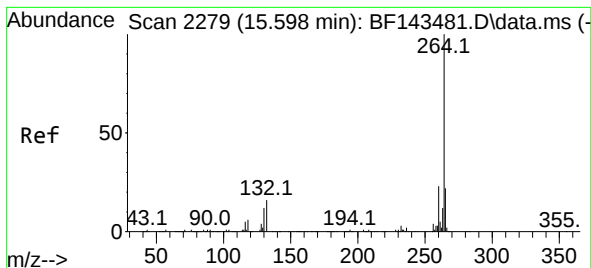


#83
Chrysene
Concen: 4.378 ng
RT: 14.116 min Scan# 2027
Delta R.T. -0.012 min
Lab File: BF143526.D
Acq: 21 Aug 2025 13:15



Tgt Ion:228 Resp: 57195
Ion Ratio Lower Upper
228 100
226 30.3 23.7 35.5
229 21.9 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143526.D

Acq: 21 Aug 2025 13:15

Instrument :

BNA_F

ClientSampleId :

11M-E

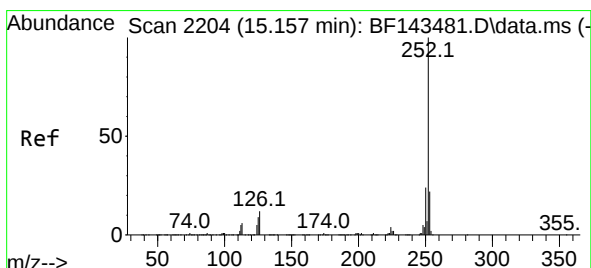
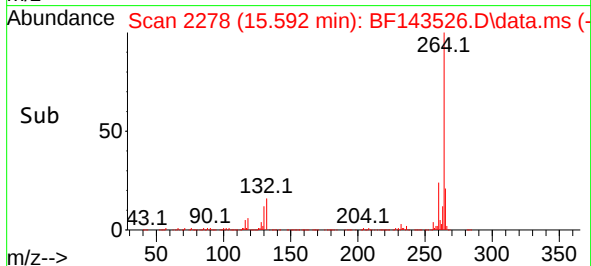
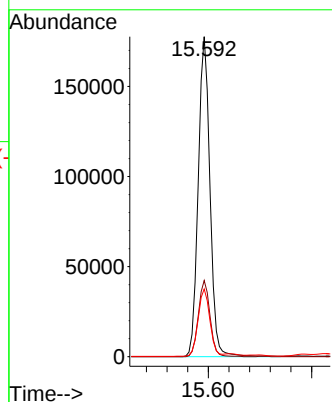
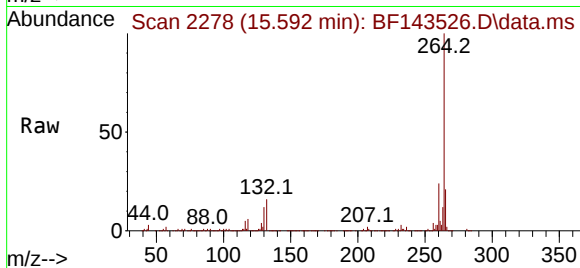
Tgt Ion:264 Resp: 280214

Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

265 21.2 17.6 26.4



#88

Benzo(b)fluoranthene

Concen: 7.038 ng

RT: 15.151 min Scan# 2203

Delta R.T. -0.006 min

Lab File: BF143526.D

Acq: 21 Aug 2025 13:15

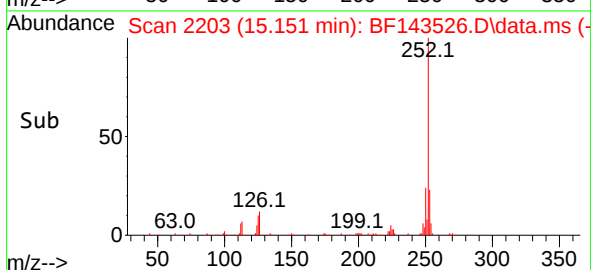
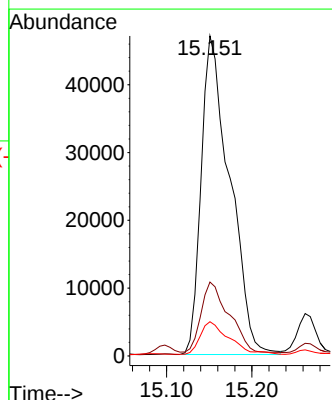
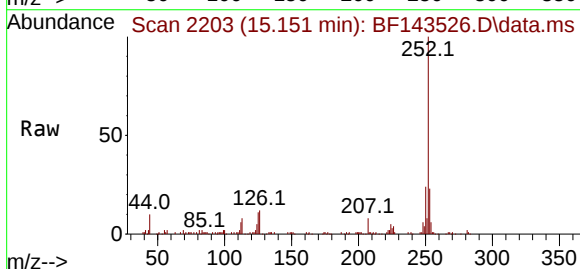
Tgt Ion:252 Resp: 109628

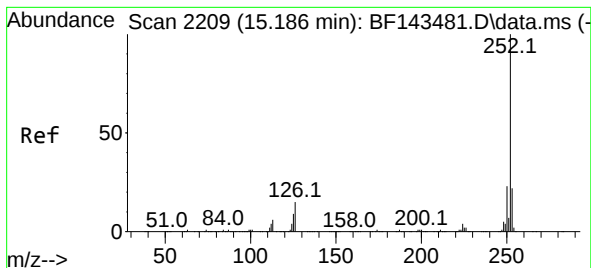
Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

125 10.7 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 7.351 ng

RT: 15.151 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF143526.D

Acq: 21 Aug 2025 13:15

Instrument :

BNA_F

ClientSampleId :

11M-E

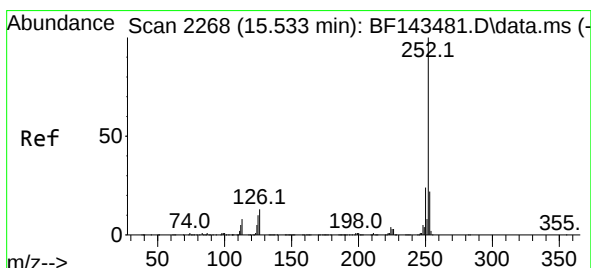
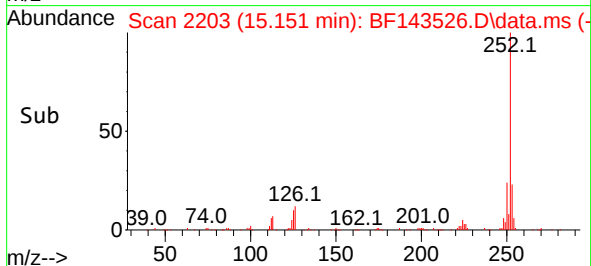
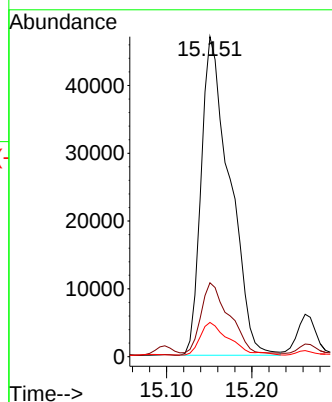
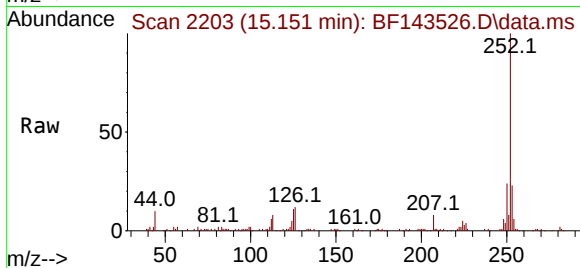
Tgt Ion:252 Resp: 109628

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.2

125 10.7 7.4 11.0



#90

Benzo(a)pyrene

Concen: 3.763 ng

RT: 15.527 min Scan# 2267

Delta R.T. -0.012 min

Lab File: BF143526.D

Acq: 21 Aug 2025 13:15

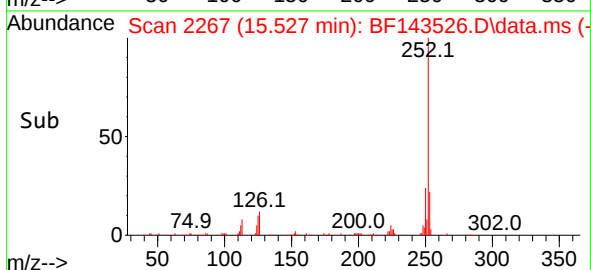
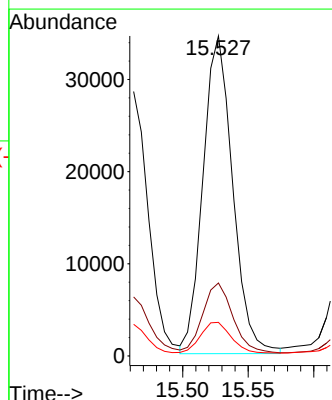
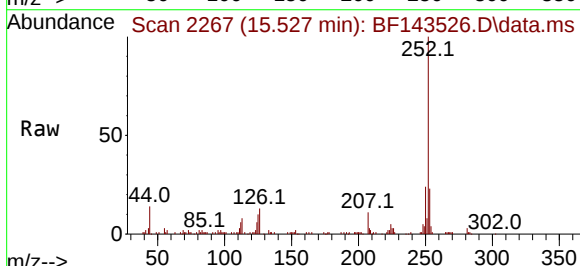
Tgt Ion:252 Resp: 54410

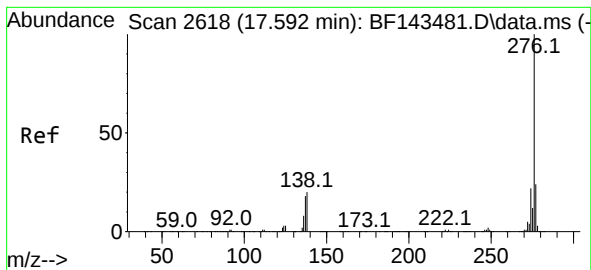
Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

125 10.5 8.2 12.2





#92

Benzo(g,h,i)perylene

Concen: 2.038 ng

RT: 17.580 min Scan# 20

Delta R.T. -0.023 min

Lab File: BF143526.D

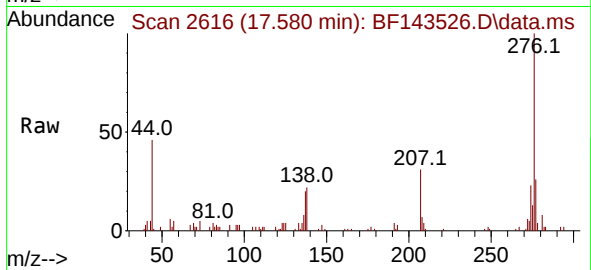
Acq: 21 Aug 2025 13:15

Instrument :

BNA_F

ClientSampleId :

11M-E



Tgt Ion:276 Resp: 32686

Ion Ratio Lower Upper

276 100

277 26.0 18.9 28.3

138 22.1 16.3 24.5

