

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144376.D
 Acq On : 26 Nov 2025 22:43
 Operator : RC/JU
 Sample : Q3714-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-11-24-2025

Quant Time: Nov 27 00:54:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

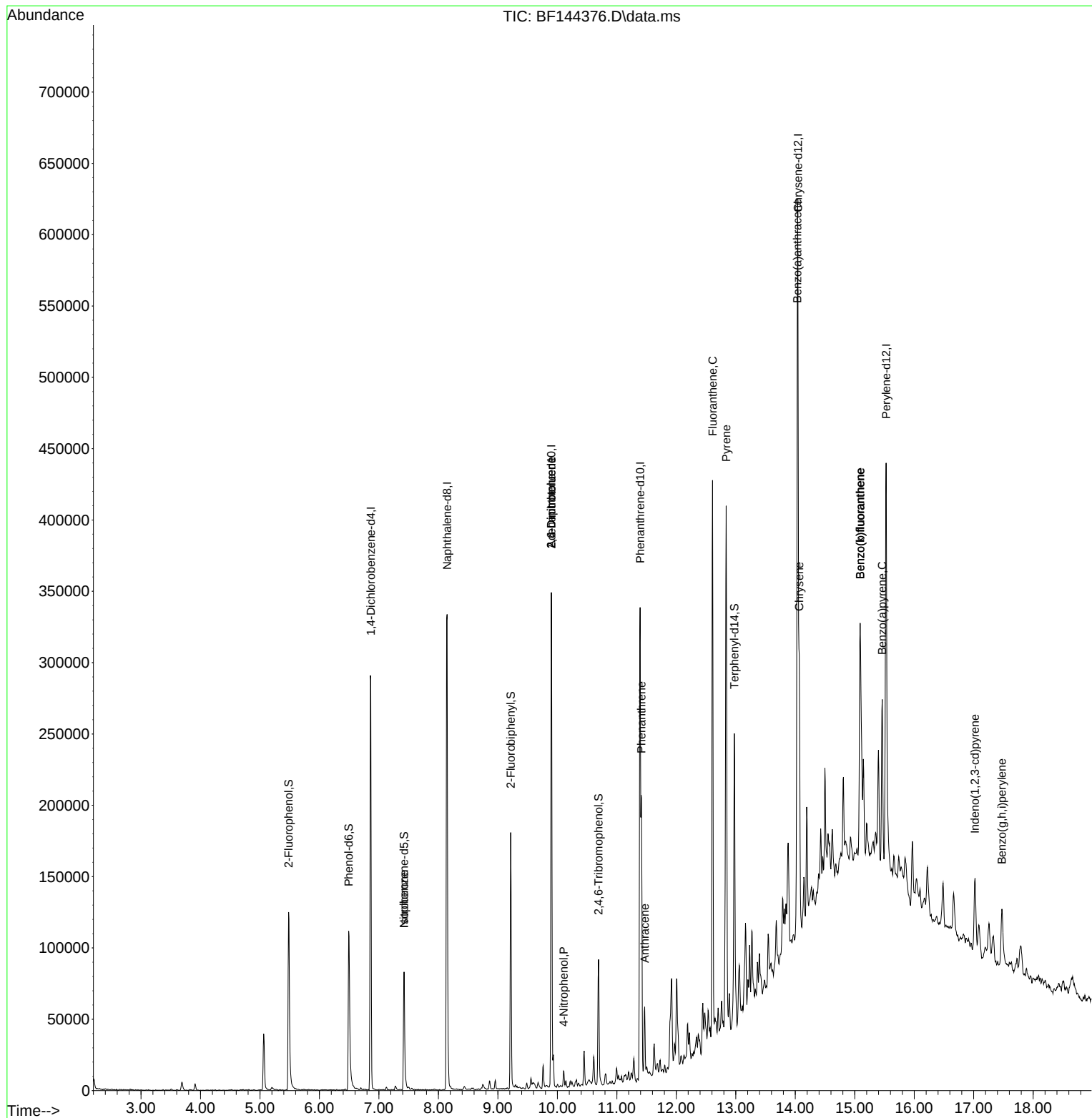
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	65815	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	230146	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	109359	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	180165	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	191408	20.000	ng	0.00
86) Perylene-d12	15.527	264	158903	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	66054	15.706	ng	-0.01
7) Phenol-d6	6.492	99	72859	15.289	ng	0.00
23) Nitrobenzene-d5	7.422	82	39801	9.988	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	16909	12.321	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	87388	11.802	ng	-0.01
79) Terphenyl-d14	12.974	244	101901	8.456	ng	-0.02
Target Compounds						Qvalue
25) Isophorone	7.422	82	39801	5.280	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	13607	9.278	ng	# 27
56) 4-Nitrophenol	10.104	139	2367	2.041	ng	# 8
57) 2,4-Dinitrotoluene	9.898	165	13607	6.931	ng	# 27
71) Phenanthrene	11.416	178	111727	12.455	ng	99
72) Anthracene	11.469	178	30375	3.330	ng	97
75) Fluoranthene	12.610	202	232743	25.117	ng	98
78) Pyrene	12.839	202	218647	14.167	ng	99
81) Benzo(a)anthracene	14.033	228	129716	9.778	ng	95
83) Chrysene	14.068	228	104320	8.519	ng	96
87) Indeno(1,2,3-cd)pyrene	17.021	276	36649	3.213	ng	97
88) Benzo(b)fluoranthene	15.092	252	152811	16.915	ng	# 96
89) Benzo(k)fluoranthene	15.092	252	152811	18.072	ng	# 97
90) Benzo(a)pyrene	15.462	252	73881	8.865	ng	# 94
92) Benzo(g,h,i)perylene	17.474	276	37261	4.119	ng	# 92

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

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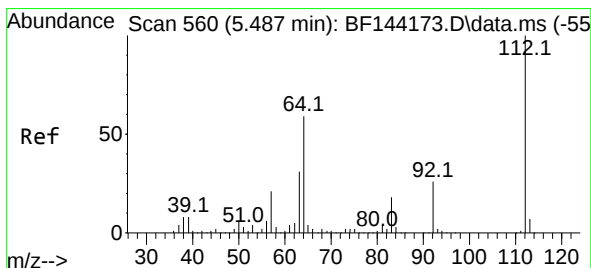
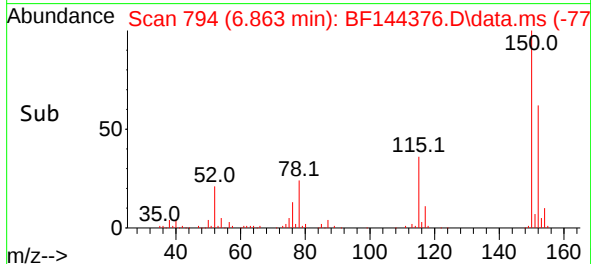
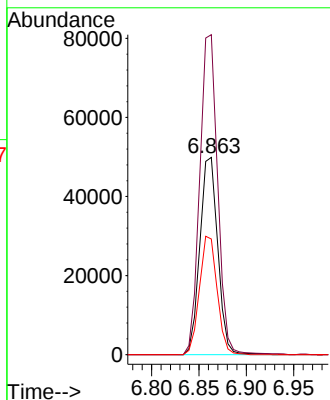
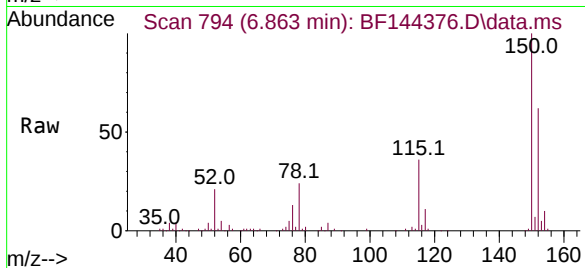




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144376.D
Acq: 26 Nov 2025 22:43

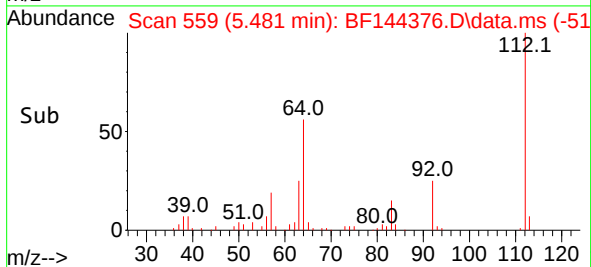
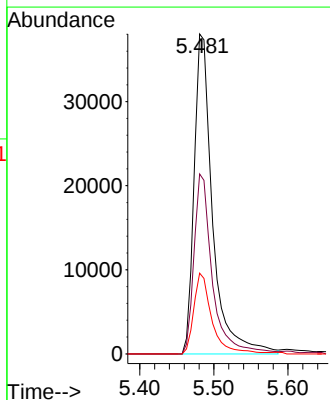
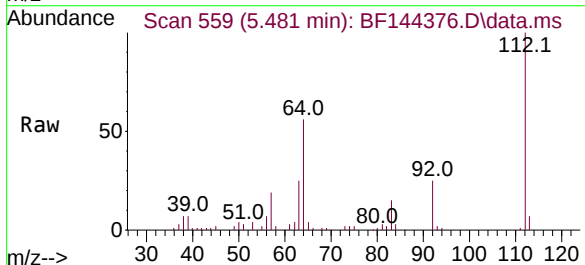
Instrument :
BNA_F
ClientSampleId :
OR-03-11-24-2025

Tgt Ion:152 Resp: 65815
Ion Ratio Lower Upper
152 100
150 162.2 127.4 191.0
115 58.6 49.5 74.3



#5
2-Fluorophenol
Concen: 15.706 ng
RT: 5.481 min Scan# 559
Delta R.T. -0.012 min
Lab File: BF144376.D
Acq: 26 Nov 2025 22:43

Tgt Ion:112 Resp: 66054
Ion Ratio Lower Upper
112 100
64 56.2 47.2 70.8
63 25.2 24.4 36.6

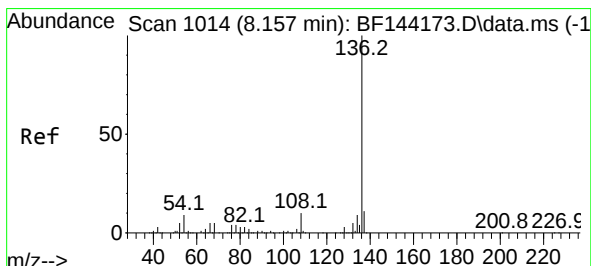
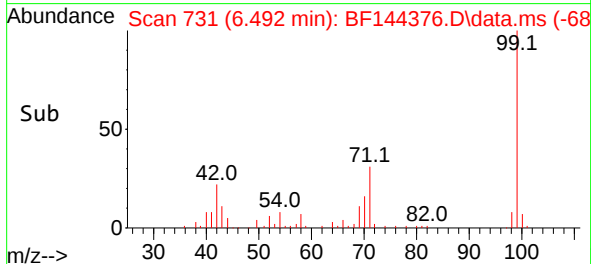
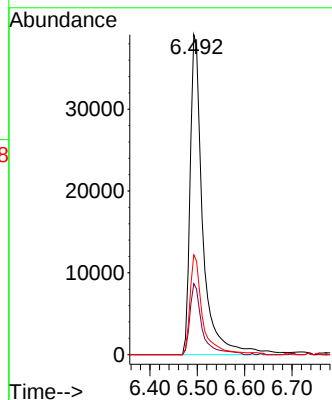
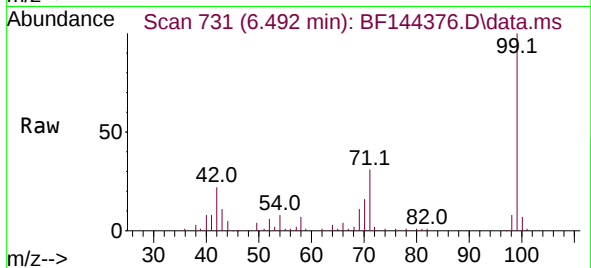




#7
Phenol-d6
Concen: 15.289 ng
RT: 6.492 min Scan# 731
Delta R.T. -0.006 min
Lab File: BF144376.D
Acq: 26 Nov 2025 22:43

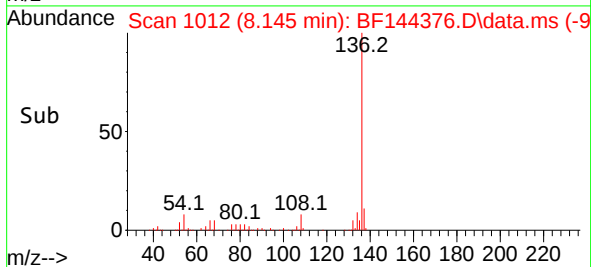
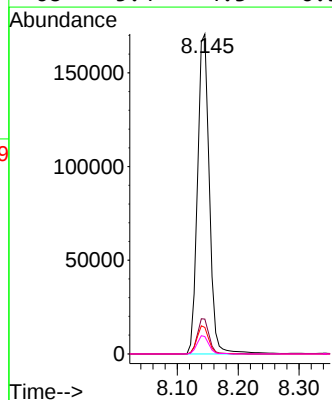
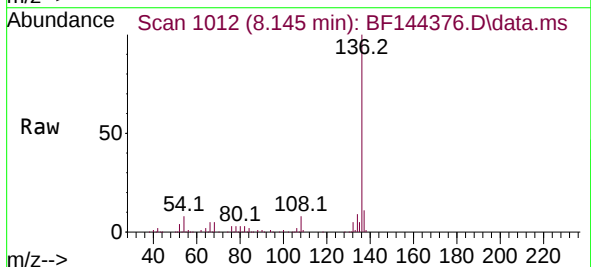
Instrument :
BNA_F
ClientSampleId :
OR-03-11-24-2025

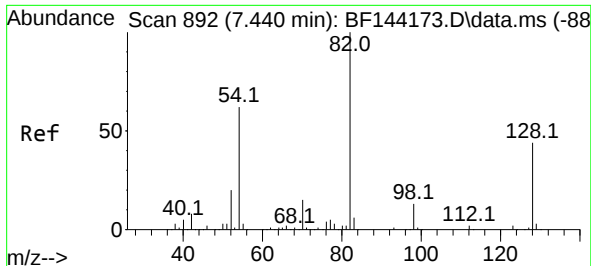
Tgt Ion: 99 Resp: 72859
Ion Ratio Lower Upper
99 100
42 22.2 20.9 31.3
71 31.2 31.4 47.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144376.D
Acq: 26 Nov 2025 22:43

Tgt Ion: 136 Resp: 230146
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.3 7.0 10.6
68 5.4 4.3 6.5





#23

Nitrobenzene-d5

Concen: 9.988 ng

RT: 7.422 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF144376.D

Acq: 26 Nov 2025 22:43

Instrument :

BNA_F

ClientSampleId :

OR-03-11-24-2025

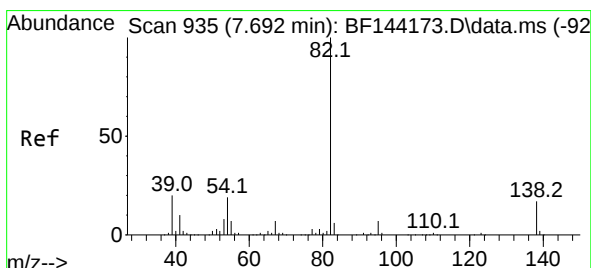
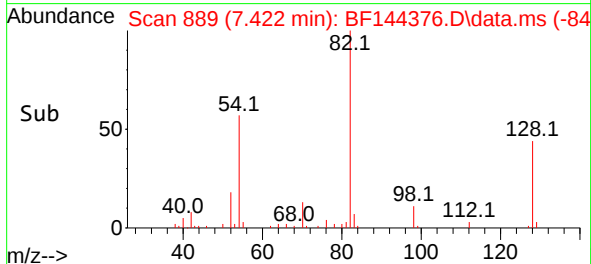
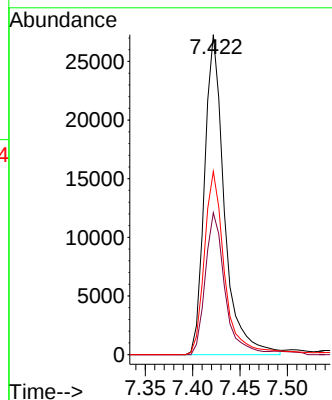
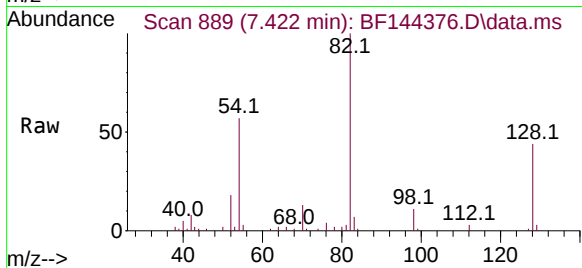
Tgt Ion: 82 Resp: 39801

Ion Ratio Lower Upper

82 100

128 44.3 34.7 52.1

54 57.2 49.5 74.3



#25

Isophorone

Concen: 5.280 ng

RT: 7.422 min Scan# 889

Delta R.T. -0.265 min

Lab File: BF144376.D

Acq: 26 Nov 2025 22:43

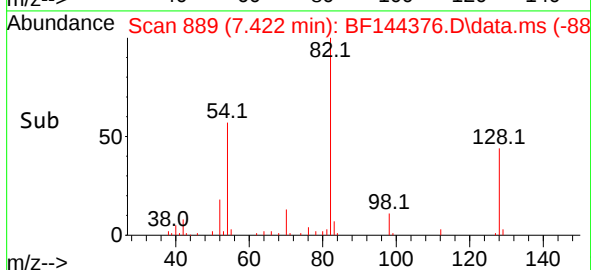
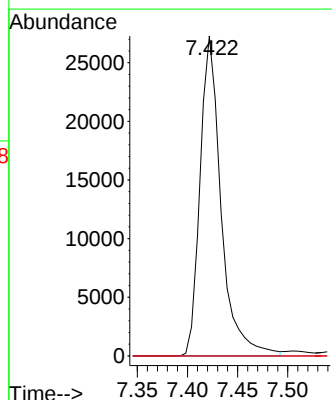
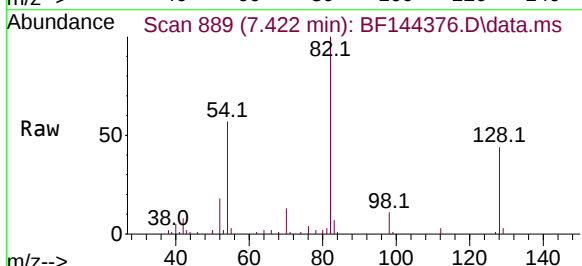
Tgt Ion: 82 Resp: 39801

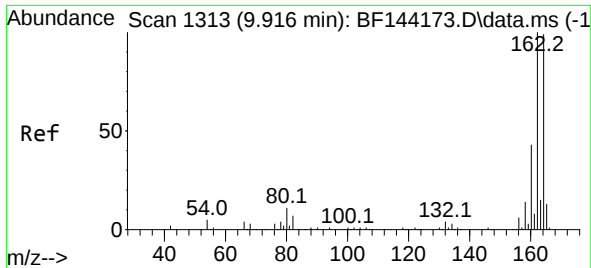
Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

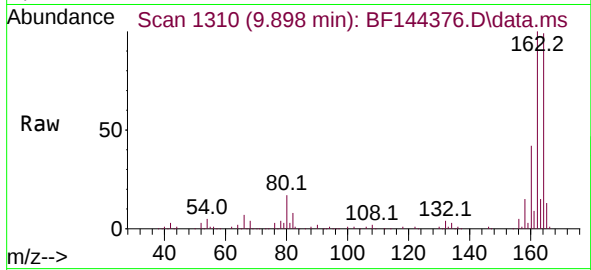
138 0.0 13.7 20.5#



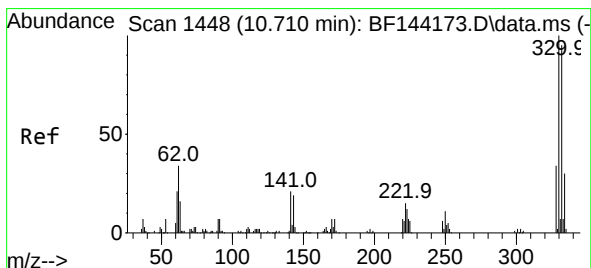
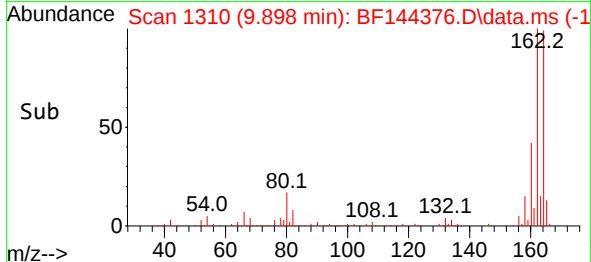
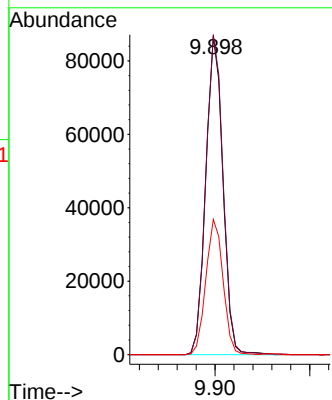


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144376.D
Acq: 26 Nov 2025 22:43

Instrument :
BNA_F
ClientSampleId :
OR-03-11-24-2025

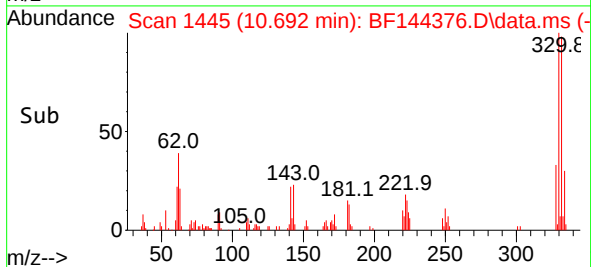
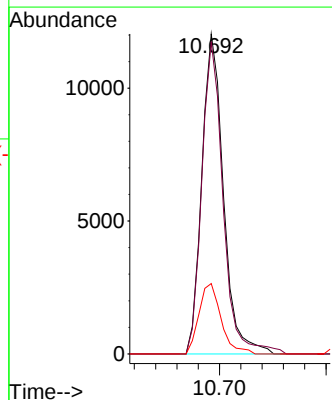
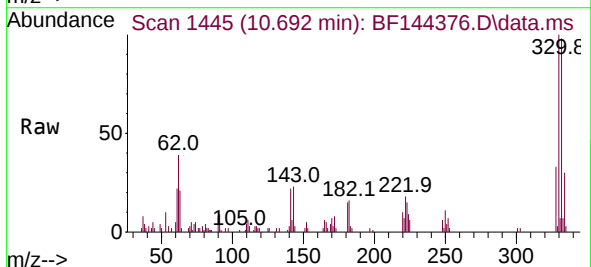


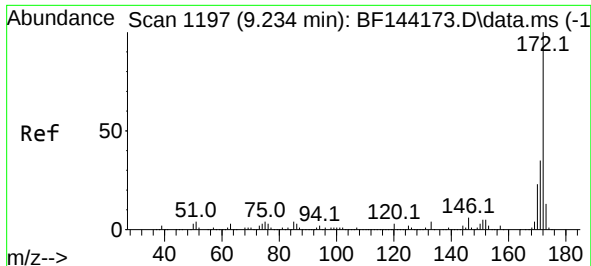
Tgt Ion:164 Resp: 109359
Ion Ratio Lower Upper
164 100
162 100.6 81.1 121.7
160 42.5 34.5 51.7



#42
2,4,6-Tribromophenol
Concen: 12.321 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144376.D
Acq: 26 Nov 2025 22:43

Tgt Ion:330 Resp: 16909
Ion Ratio Lower Upper
330 100
332 96.0 76.7 115.1
141 22.5 17.8 26.8

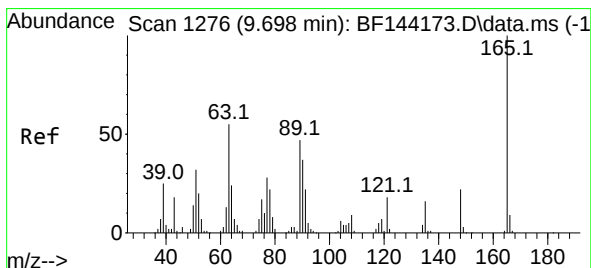
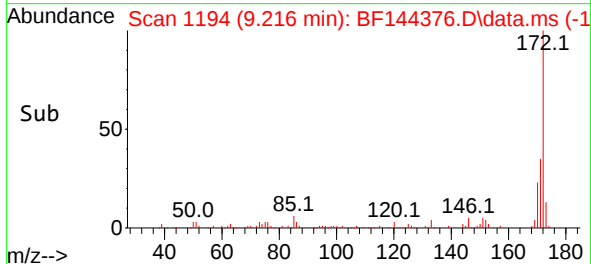
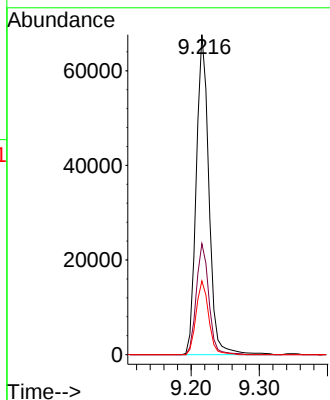
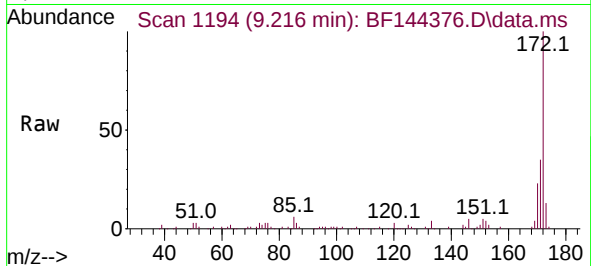




#45
2-Fluorobiphenyl
Concen: 11.802 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144376.D
Acq: 26 Nov 2025 22:43

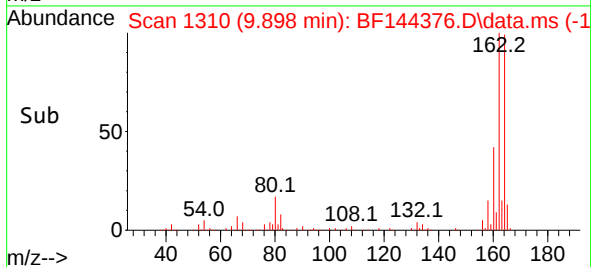
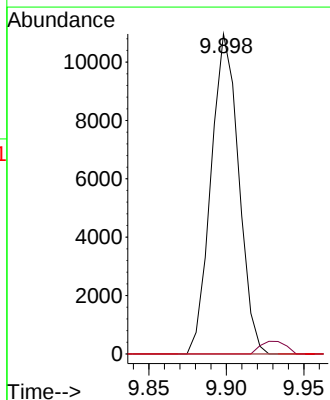
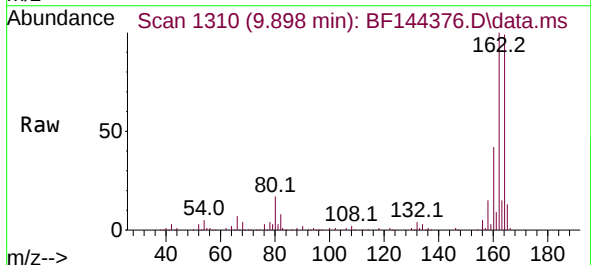
Instrument :
BNA_F
ClientSampleId :
OR-03-11-24-2025

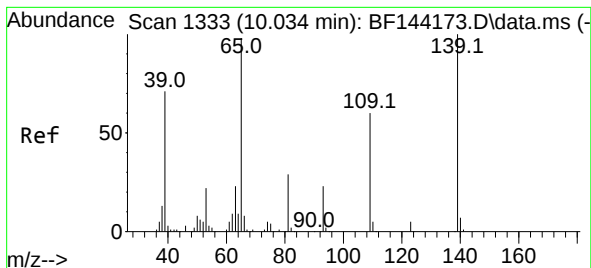
Tgt Ion:172 Resp: 87388
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 23.0 18.6 28.0



#51
2,6-Dinitrotoluene
Concen: 9.278 ng
RT: 9.898 min Scan# 1310
Delta R.T. 0.206 min
Lab File: BF144376.D
Acq: 26 Nov 2025 22:43

Tgt Ion:165 Resp: 13607
Ion Ratio Lower Upper
165 100
63 0.0 43.8 65.8#
89 0.0 37.5 56.3#





#56

4-Nitrophenol

Concen: 2.041 ng

RT: 10.104 min Scan# 1333

Delta R.T. 0.065 min

Lab File: BF144376.D

Acq: 26 Nov 2025 22:43

Instrument :

BNA_F

ClientSampleId :

OR-03-11-24-2025

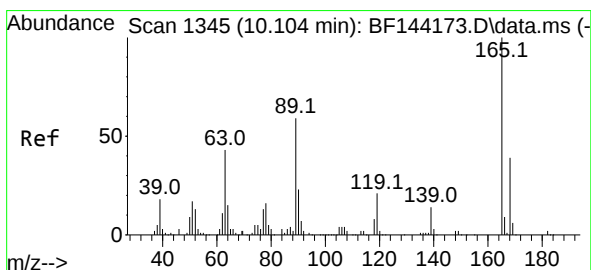
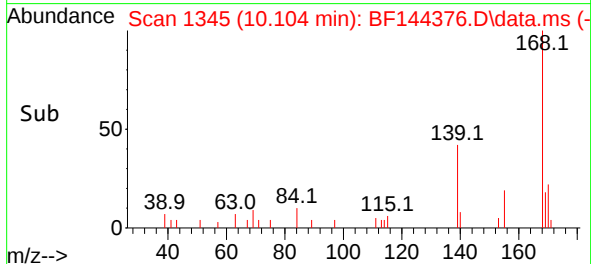
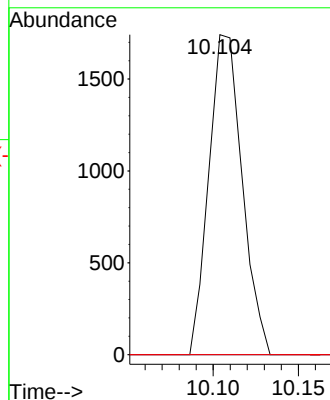
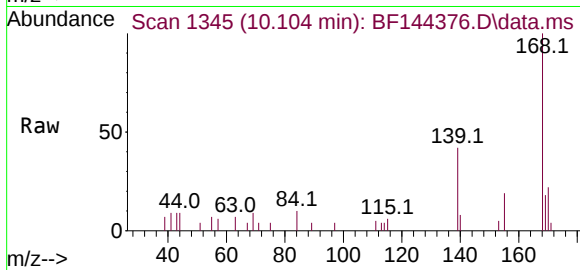
Tgt Ion:139 Resp: 2367

Ion Ratio Lower Upper

139 100

109 0.0 39.9 79.9#

65 0.0 79.5 119.5#



#57

2,4-Dinitrotoluene

Concen: 6.931 ng

RT: 9.898 min Scan# 1310

Delta R.T. -0.200 min

Lab File: BF144376.D

Acq: 26 Nov 2025 22:43

Tgt Ion:165 Resp: 13607

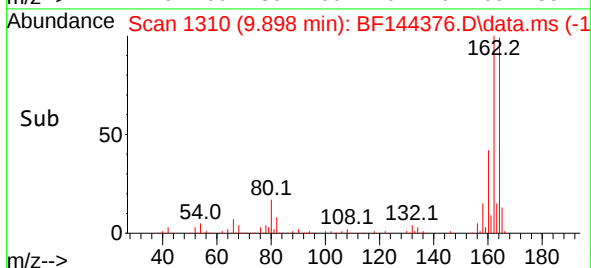
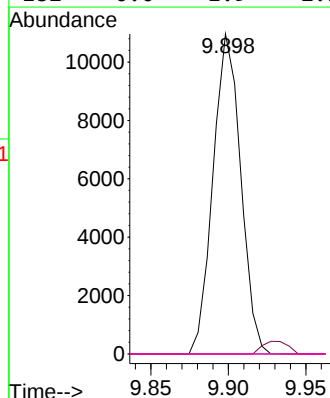
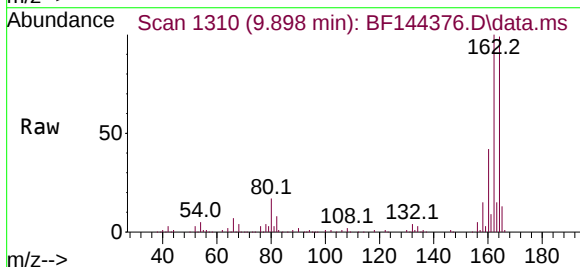
Ion Ratio Lower Upper

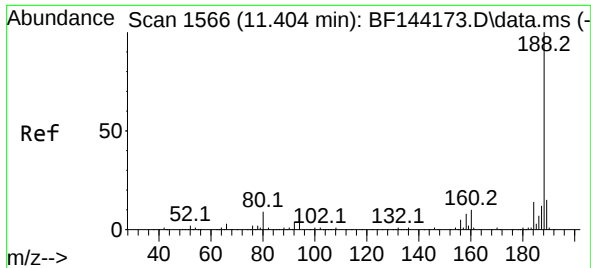
165 100

63 0.0 35.5 53.3#

89 0.0 47.4 71.2#

182 0.0 1.9 2.9#

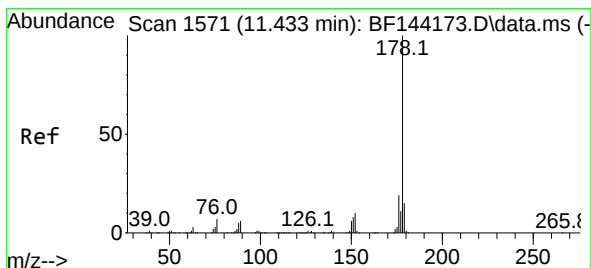
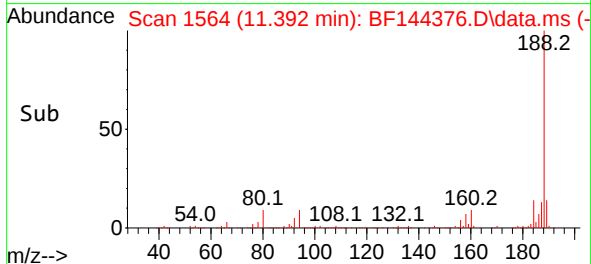
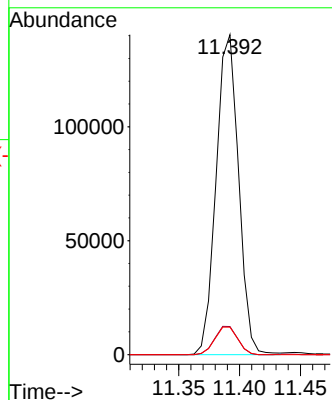
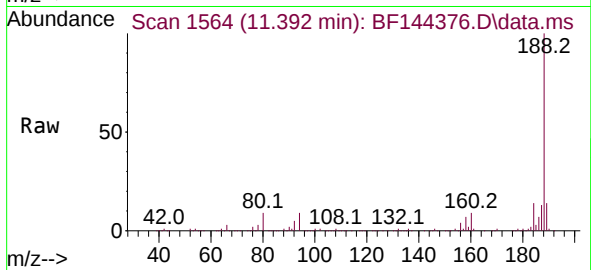




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144376.D
Acq: 26 Nov 2025 22:43

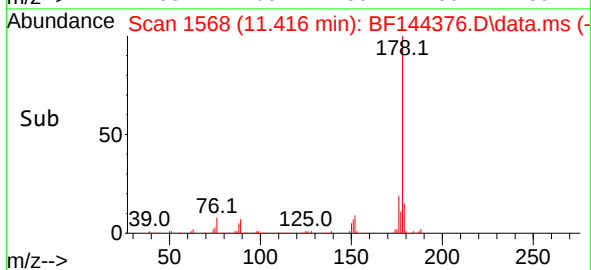
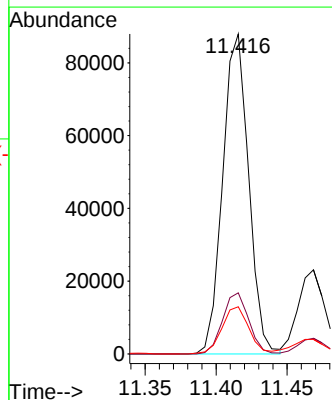
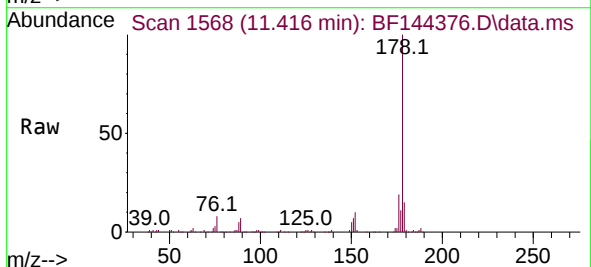
Instrument :
BNA_F
ClientSampleId :
OR-03-11-24-2025

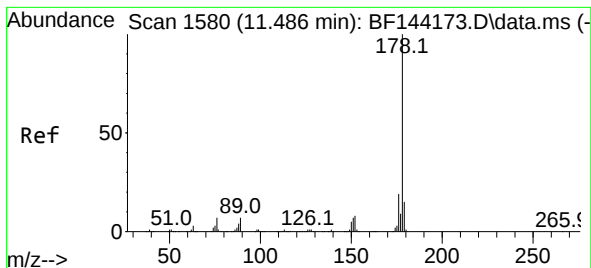
Tgt Ion:188 Resp: 180165
Ion Ratio Lower Upper
188 100
94 8.8 6.2 9.2
80 8.6 6.9 10.3



#71
Phenanthrene
Concen: 12.455 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144376.D
Acq: 26 Nov 2025 22:43

Tgt Ion:178 Resp: 111727
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 14.7 12.2 18.4





#72

Anthracene

Concen: 3.330 ng

RT: 11.469 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144376.D

Acq: 26 Nov 2025 22:43

Instrument :

BNA_F

ClientSampleId :

OR-03-11-24-2025

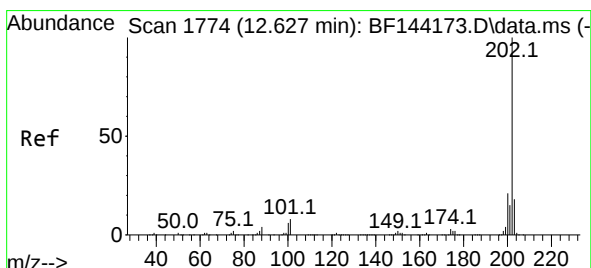
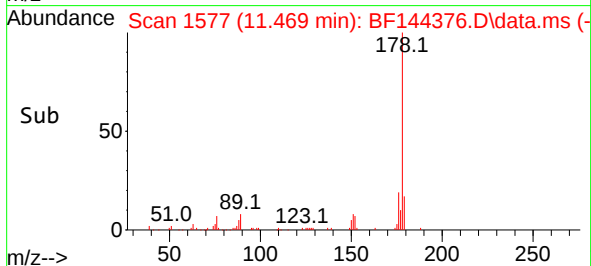
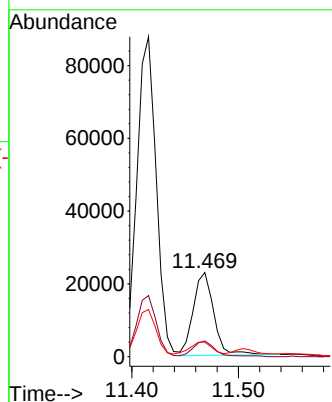
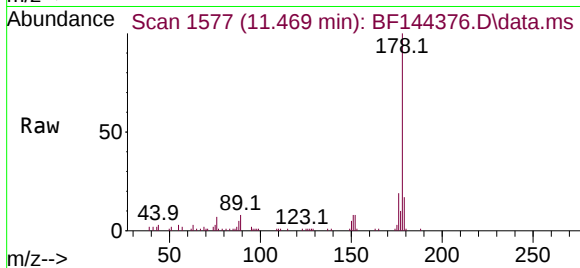
Tgt Ion:178 Resp: 30375

Ion Ratio Lower Upper

178 100

176 18.6 15.3 22.9

179 17.3 12.0 18.0



#75

Fluoranthene

Concen: 25.117 ng

RT: 12.610 min Scan# 1771

Delta R.T. -0.012 min

Lab File: BF144376.D

Acq: 26 Nov 2025 22:43

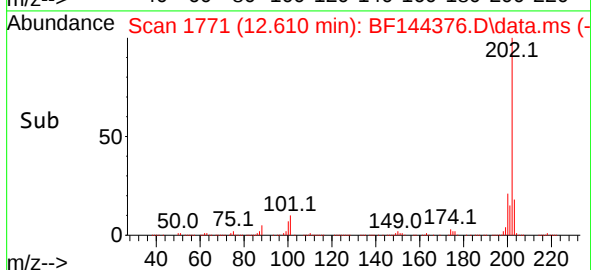
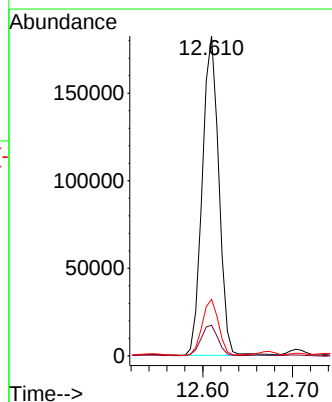
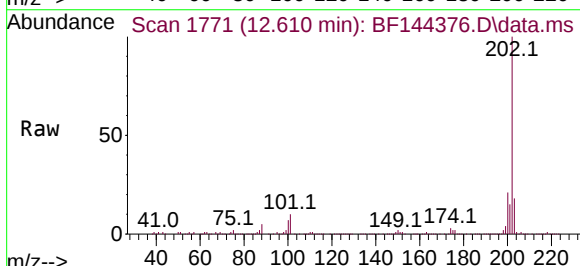
Tgt Ion:202 Resp: 232743

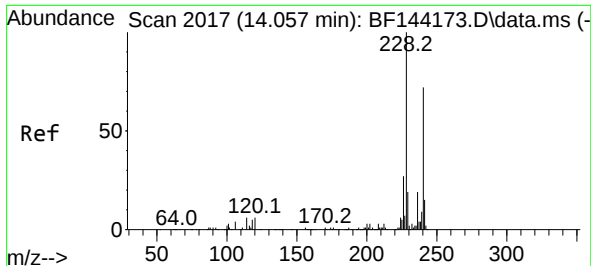
Ion Ratio Lower Upper

202 100

101 9.6 0.0 27.9

203 17.7 0.0 37.5

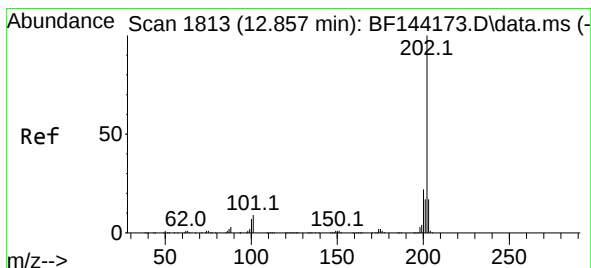
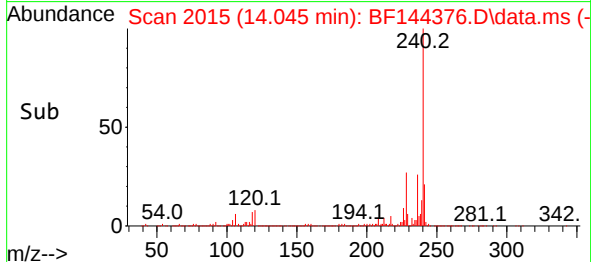
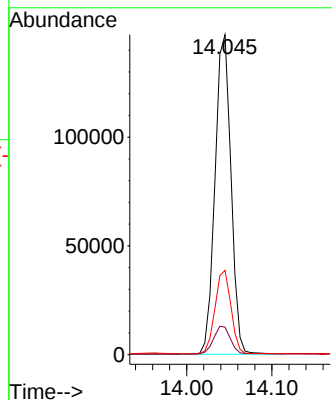
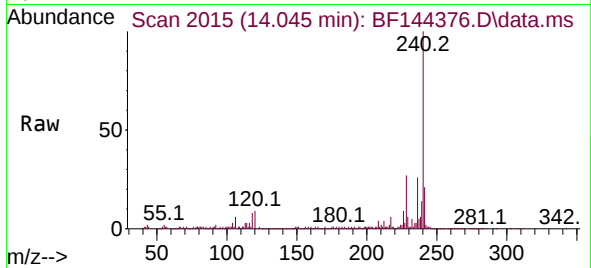




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144376.D
Acq: 26 Nov 2025 22:43

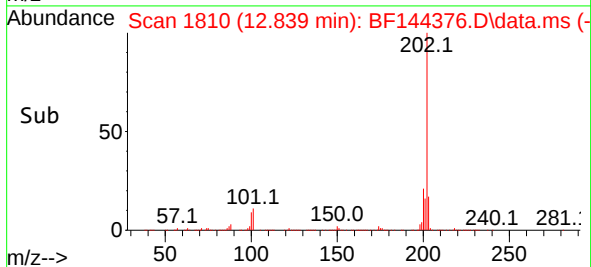
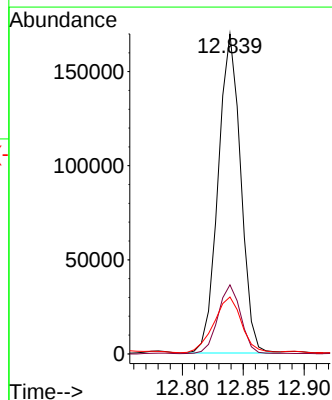
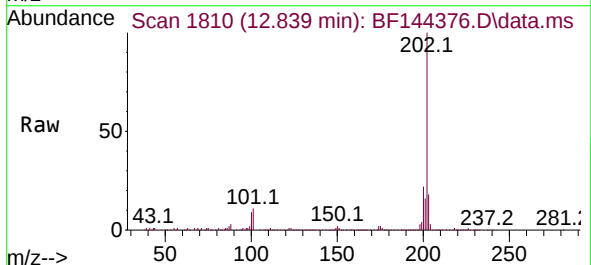
Instrument :
BNA_F
ClientSampleId :
OR-03-11-24-2025

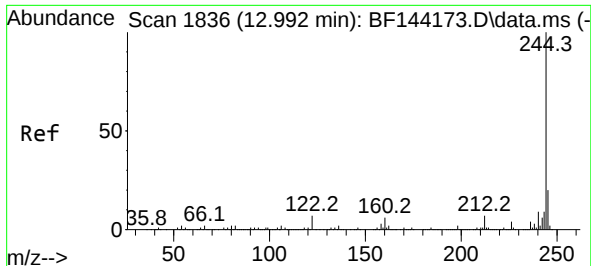
Tgt Ion:240 Resp: 191408
Ion Ratio Lower Upper
240 100
120 8.6 6.6 10.0
236 26.3 21.4 32.2



#78
Pyrene
Concen: 14.167 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144376.D
Acq: 26 Nov 2025 22:43

Tgt Ion:202 Resp: 218647
Ion Ratio Lower Upper
202 100
200 21.6 17.2 25.8
203 17.8 13.7 20.5

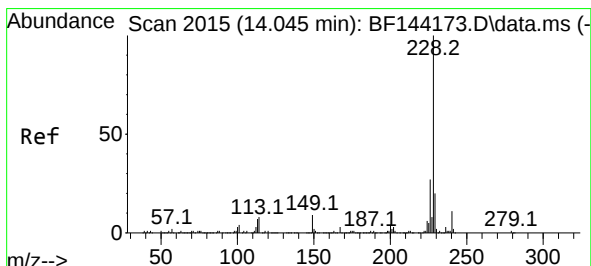
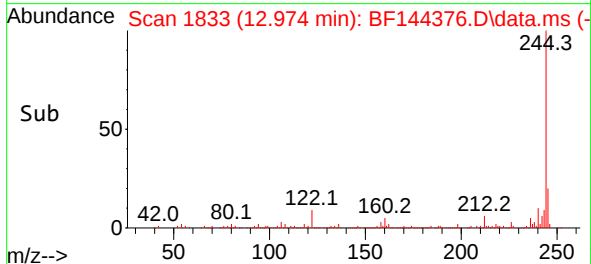
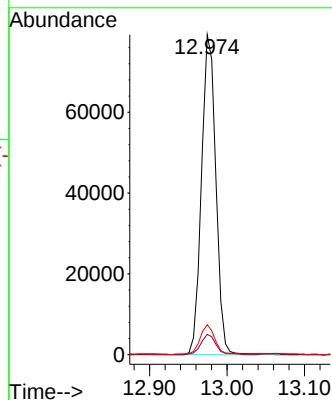
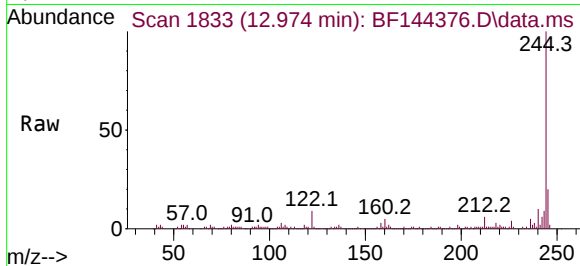




#79
 Terphenyl-d14
 Concen: 8.456 ng
 RT: 12.974 min Scan# 1833
 Delta R.T. -0.018 min
 Lab File: BF144376.D
 Acq: 26 Nov 2025 22:43

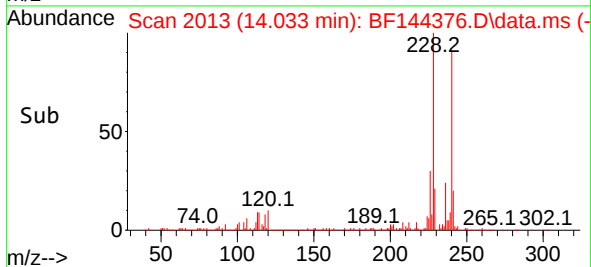
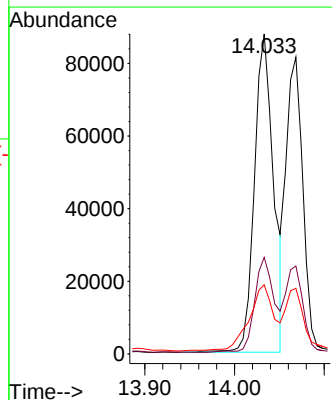
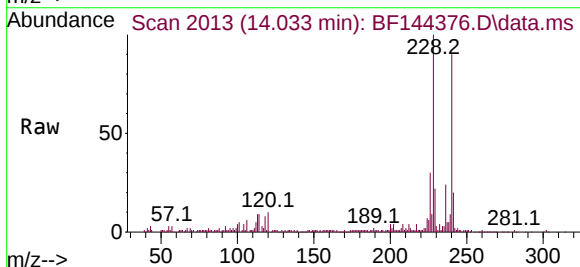
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-11-24-2025

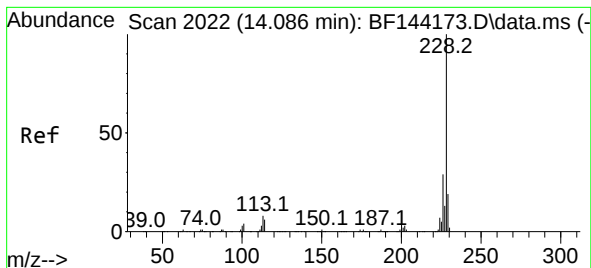
Tgt Ion:244 Resp: 101901
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.3 7.9
 122 9.3 5.6 8.4#



#81
 Benzo(a)anthracene
 Concen: 9.778 ng
 RT: 14.033 min Scan# 2013
 Delta R.T. -0.012 min
 Lab File: BF144376.D
 Acq: 26 Nov 2025 22:43

Tgt Ion:228 Resp: 129716
 Ion Ratio Lower Upper
 228 100
 226 30.2 21.8 32.8
 229 21.6 15.8 23.6





#83

Chrysene

Concen: 8.519 ng

RT: 14.068 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF144376.D

Acq: 26 Nov 2025 22:43

Instrument :

BNA_F

ClientSampleId :

OR-03-11-24-2025

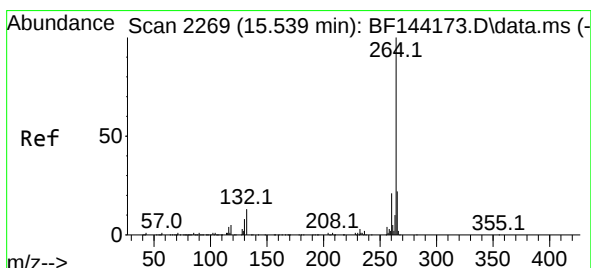
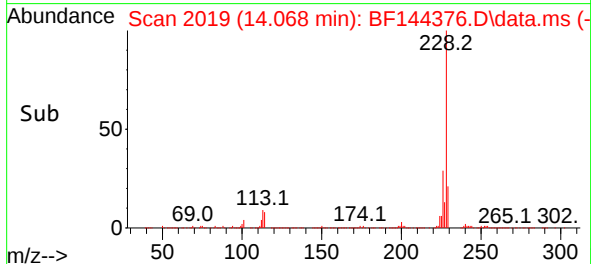
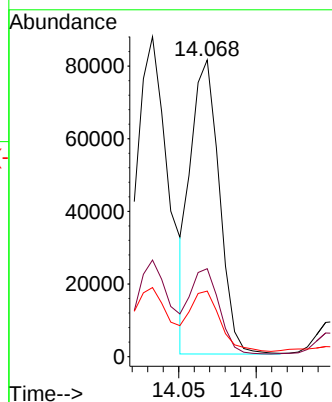
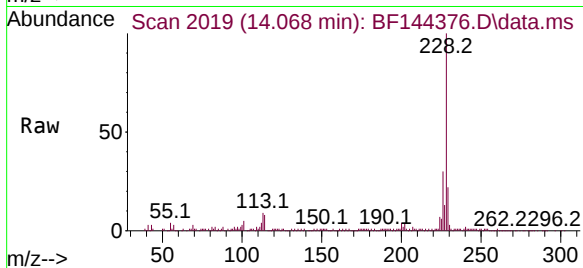
Tgt Ion:228 Resp: 104320

Ion Ratio Lower Upper

228 100

226 29.6 22.9 34.3

229 22.1 15.0 22.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2267

Delta R.T. -0.012 min

Lab File: BF144376.D

Acq: 26 Nov 2025 22:43

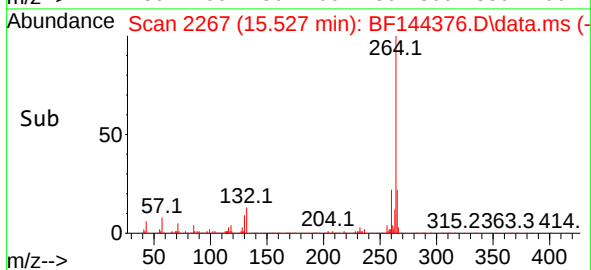
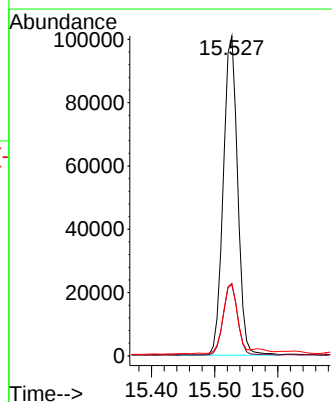
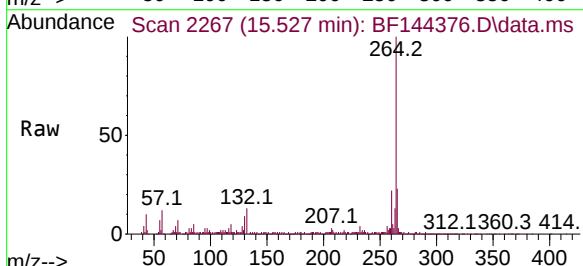
Tgt Ion:264 Resp: 158903

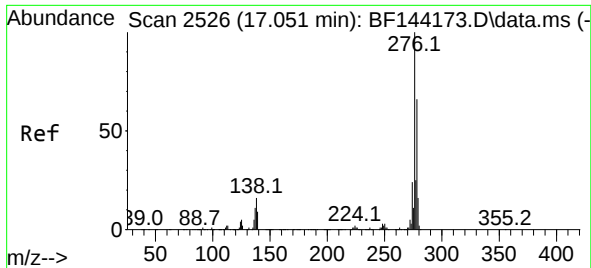
Ion Ratio Lower Upper

264 100

260 22.3 17.1 25.7

265 22.6 17.4 26.0

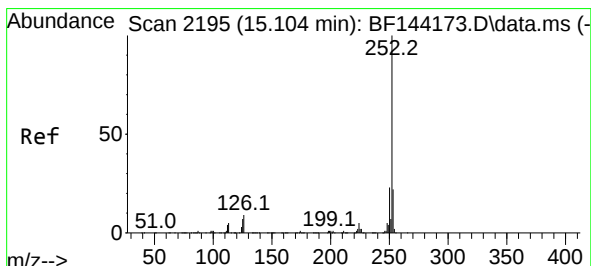
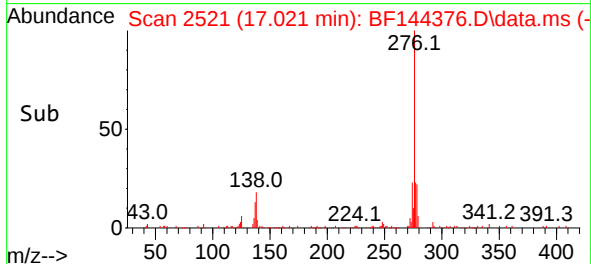
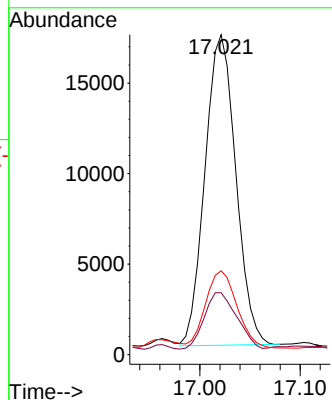
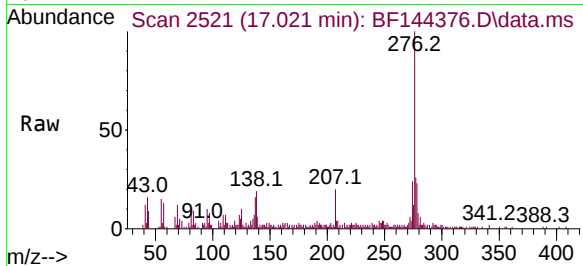




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.213 ng
RT: 17.021 min Scan# 2193
Delta R.T. -0.012 min
Lab File: BF144376.D
Acq: 26 Nov 2025 22:43

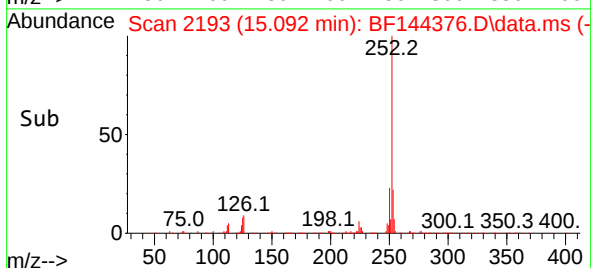
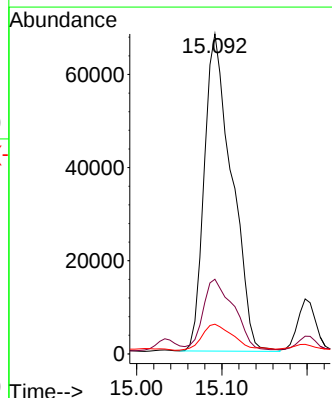
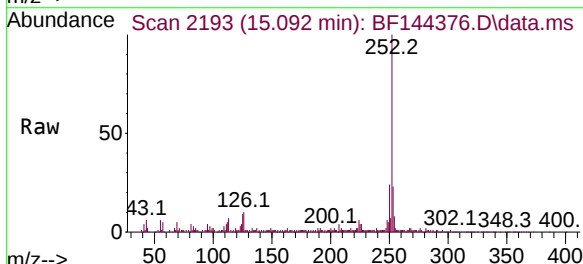
Instrument :
BNA_F
ClientSampleId :
OR-03-11-24-2025

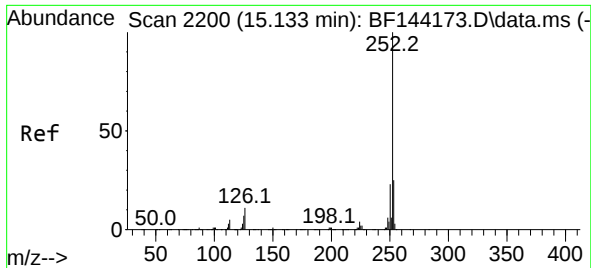
Tgt Ion:	276	Resp:	36649
Ion Ratio	Lower	Upper	
276	100		
138	19.3	13.9	20.9
277	25.6	19.8	29.6



#88
Benzo(b)fluoranthene
Concen: 16.915 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF144376.D
Acq: 26 Nov 2025 22:43

Tgt Ion:	252	Resp:	152811
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.4	26.2
125	9.3	5.3	7.9





#89

Benzo(k)fluoranthene

Concen: 18.072 ng

RT: 15.092 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF144376.D

Acq: 26 Nov 2025 22:43

Instrument :

BNA_F

ClientSampleId :

OR-03-11-24-2025

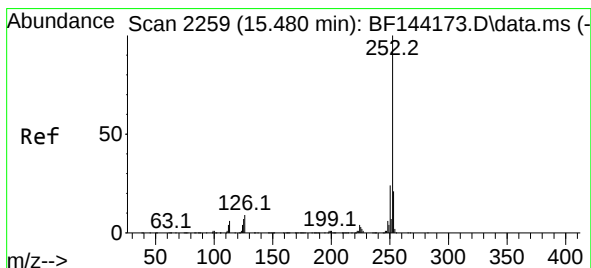
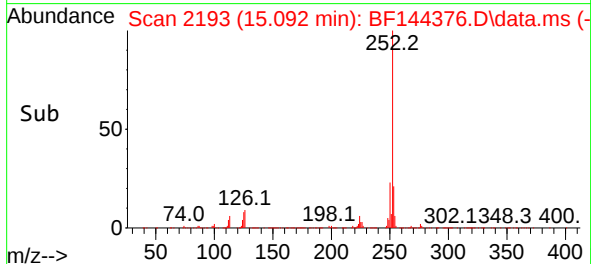
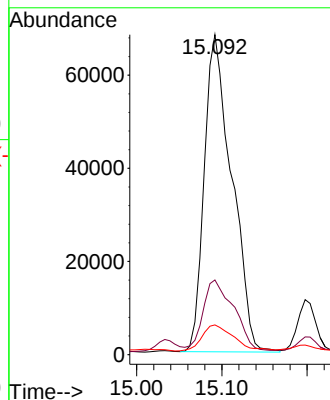
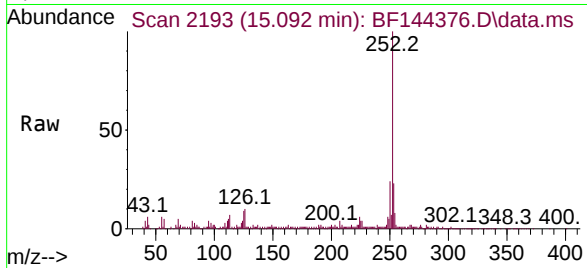
Tgt Ion:252 Resp: 152811

Ion Ratio Lower Upper

252 100

253 23.3 18.0 27.0

125 9.3 5.4 8.2#



#90

Benzo(a)pyrene

Concen: 8.865 ng

RT: 15.462 min Scan# 2256

Delta R.T. -0.012 min

Lab File: BF144376.D

Acq: 26 Nov 2025 22:43

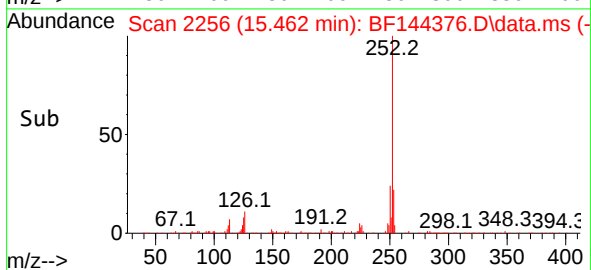
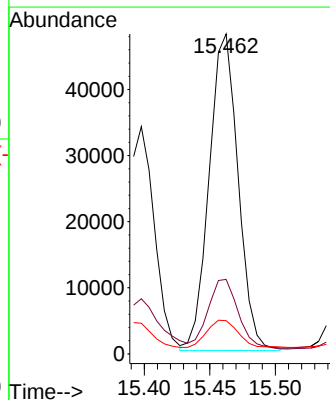
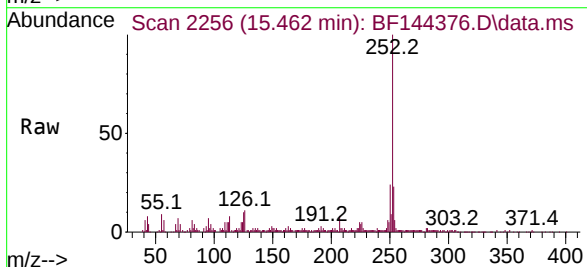
Tgt Ion:252 Resp: 73881

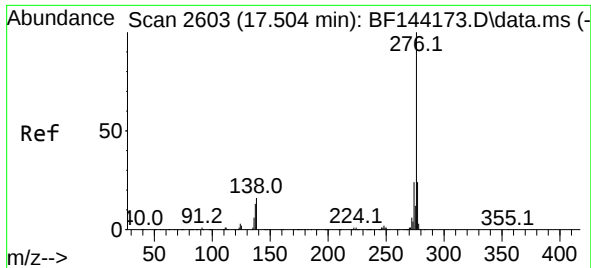
Ion Ratio Lower Upper

252 100

253 23.3 16.7 25.1

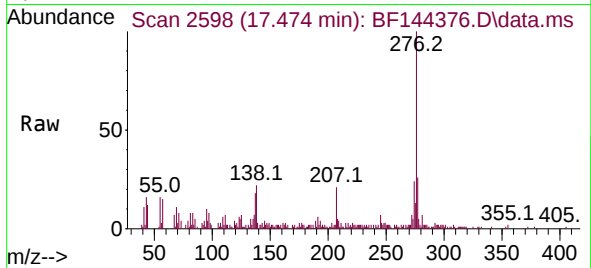
125 10.4 5.7 8.5#





#92
 Benzo(g,h,i)perylene
 Concen: 4.119 ng
 RT: 17.474 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF144376.D
 Acq: 26 Nov 2025 22:43

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-11-24-2025



Tgt Ion:276 Resp: 37261
 Ion Ratio Lower Upper
 276 100
 277 25.8 19.0 28.4
 138 22.0 12.9 19.3#

