

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060525\
 Data File : BF142633.D
 Acq On : 05 Jun 2025 14:37
 Operator : RC/JU
 Sample : Q2199-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 05 15:12:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

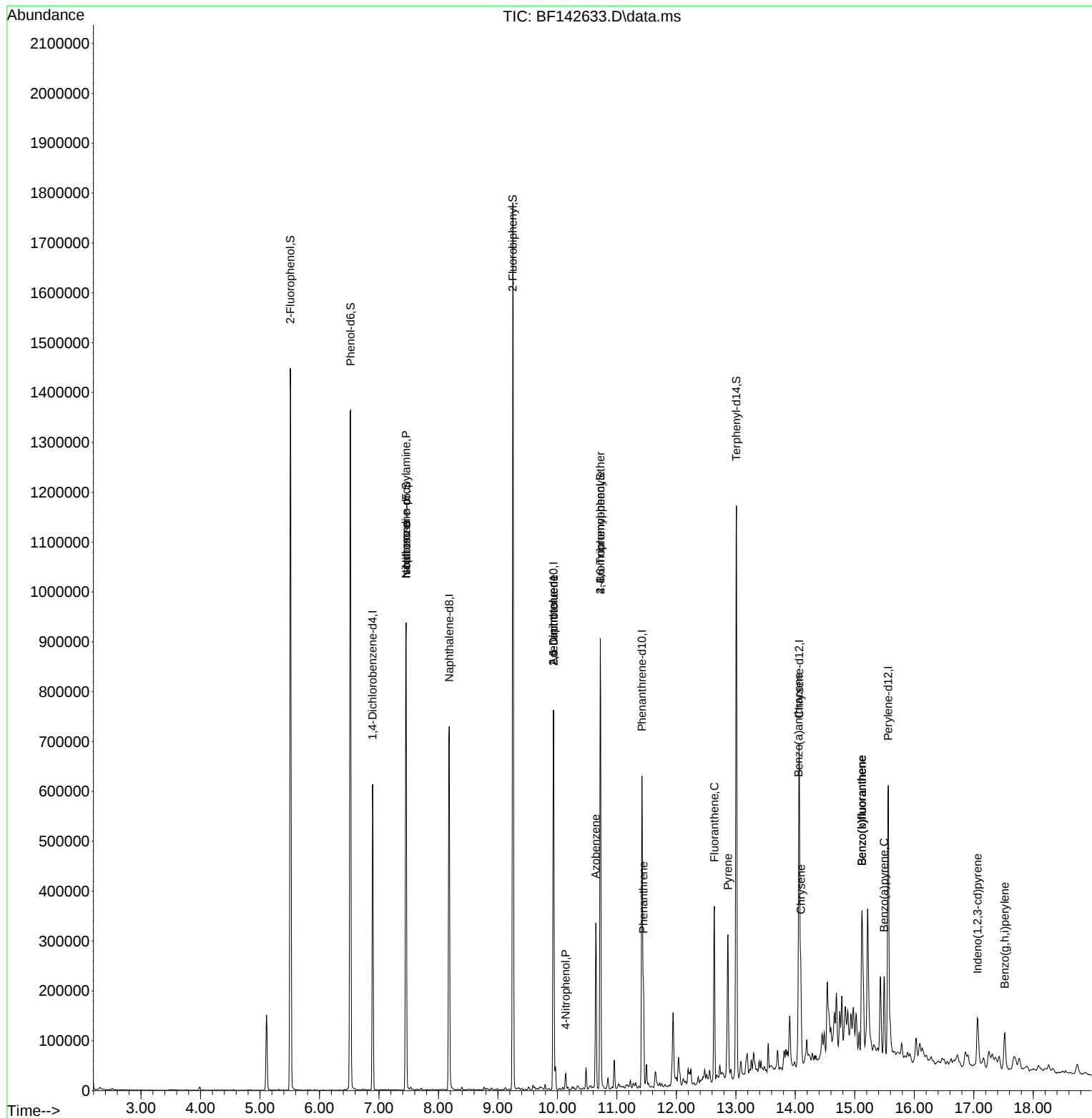
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	134234	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	484097	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	227063	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	321173	20.000	ng	-0.01
76) Chrysene-d12	14.069	240	265418	20.000	ng	0.00
86) Perylene-d12	15.563	264	325607	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	575556	72.237	ng	0.00
7) Phenol-d6	6.522	99	677102	70.597	ng	-0.01
23) Nitrobenzene-d5	7.457	82	402229	45.307	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	155665	61.769	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	799753	47.263	ng	-0.02
79) Terphenyl-d14	13.010	244	564869	29.083	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.457	70	53703	9.035	ng	# 75
25) Isophorone	7.457	82	370511	24.962	ng	# 63
51) 2,6-Dinitrotoluene	9.934	165	30366	9.391	ng	# 27
56) 4-Nitrophenol	10.139	139	5372	2.061	ng	# 10
57) 2,4-Dinitrotoluene	9.934	165	30366	7.191	ng	# 28
63) Azobenzene	10.645	77	76977	5.857	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	10148	2.672	ng	# 1
71) Phenanthrene	11.445	178	111181	6.478	ng	99
75) Fluoranthene	12.639	202	206397	12.869	ng	99
78) Pyrene	12.869	202	173626	7.012	ng	99
81) Benzo(a)anthracene	14.057	228	87379	4.930	ng	94
83) Chrysene	14.092	228	119845	7.525	ng	99
87) Indeno(1,2,3-cd)pyrene	17.062	276	71375	2.920	ng	97
88) Benzo(b)fluoranthene	15.121	252	249502	12.947	ng	97
89) Benzo(k)fluoranthene	15.121	252	249502	13.823	ng	97
90) Benzo(a)pyrene	15.492	252	98687	5.433	ng	96
92) Benzo(g,h,i)perylene	17.521	276	62457	3.150	ng	99

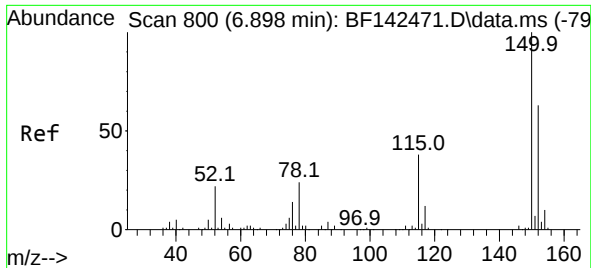
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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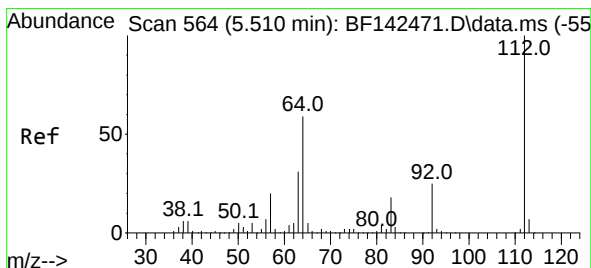
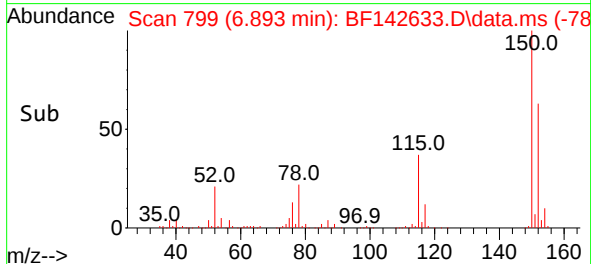
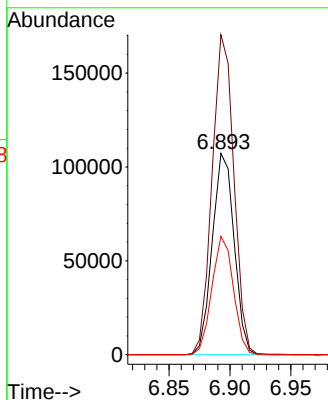
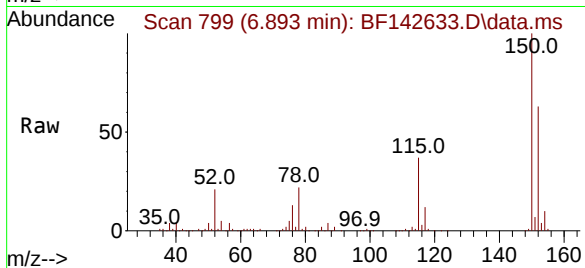




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF142633.D
Acq: 05 Jun 2025 14:37

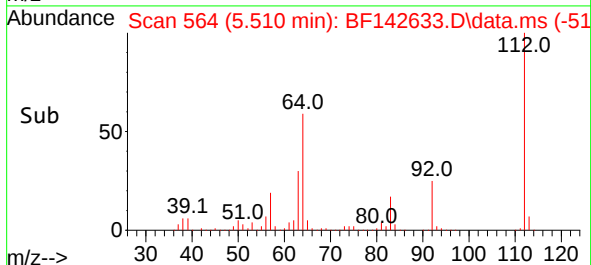
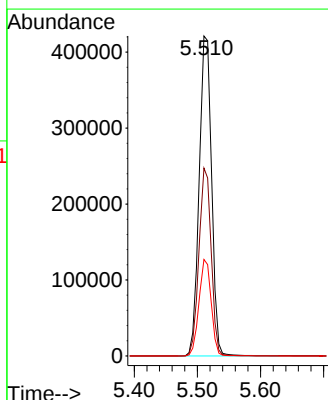
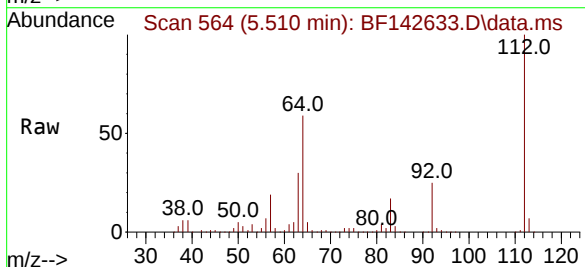
Instrument :
BNA_F
ClientSampleId :

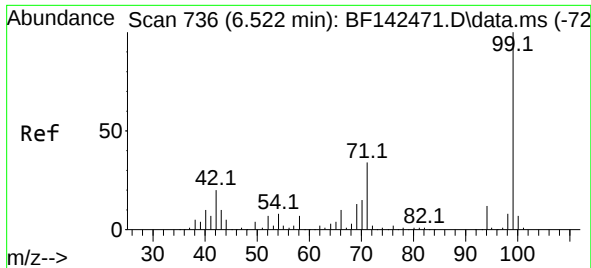
Tgt Ion:152 Resp: 134234
Ion Ratio Lower Upper
152 100
150 159.0 128.2 192.4
115 58.7 48.3 72.5



#5
2-Fluorophenol
Concen: 72.237 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142633.D
Acq: 05 Jun 2025 14:37

Tgt Ion:112 Resp: 575556
Ion Ratio Lower Upper
112 100
64 58.7 47.5 71.3
63 30.1 24.9 37.3

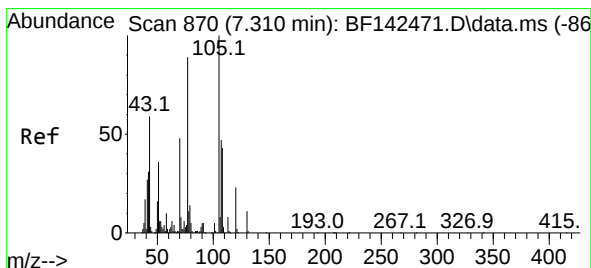
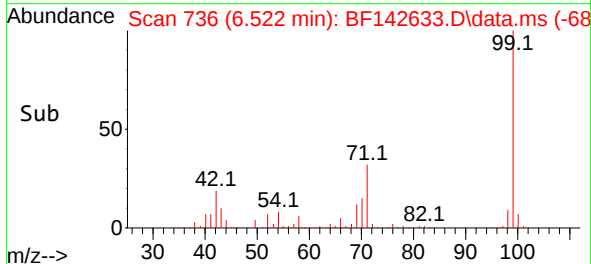
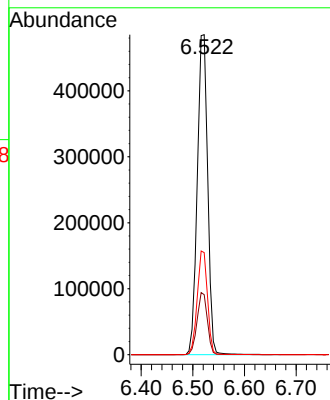
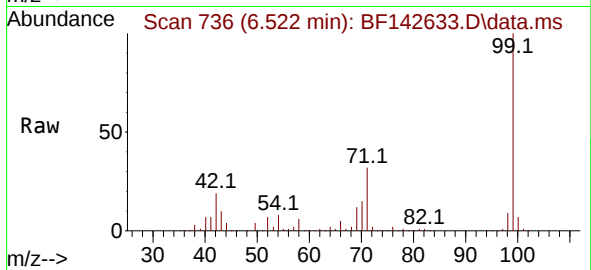




#7
Phenol-d6
Concen: 70.597 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142633.D
Acq: 05 Jun 2025 14:37

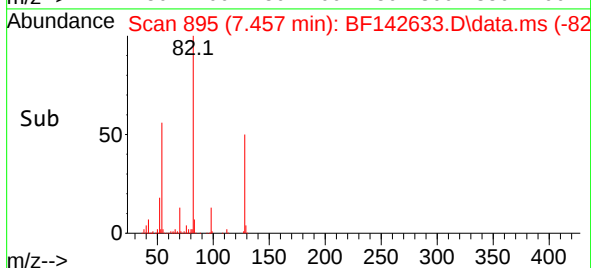
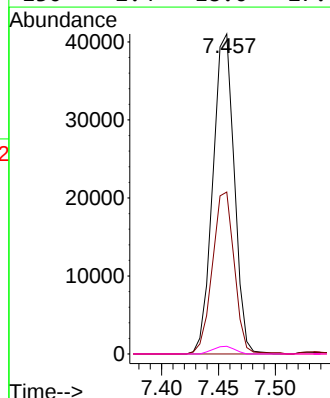
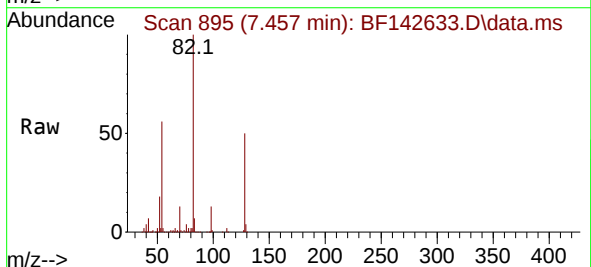
Instrument :
BNA_F
ClientSampleId :

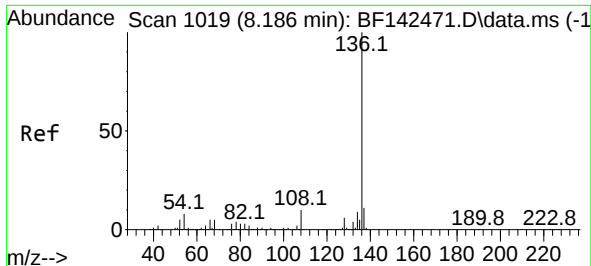
Tgt Ion: 99 Resp: 677102
Ion Ratio Lower Upper
99 100
42 18.8 16.2 24.2
71 31.9 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 9.035 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.130 min
Lab File: BF142633.D
Acq: 05 Jun 2025 14:37

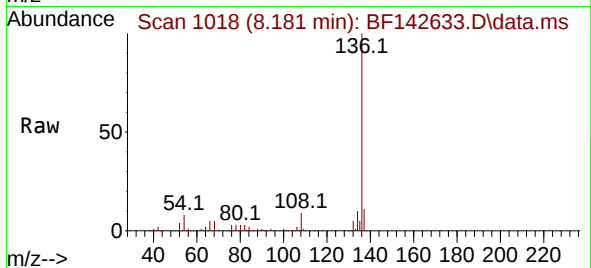
Tgt Ion: 70 Resp: 53703
Ion Ratio Lower Upper
70 100
42 50.6 52.4 78.6#
101 0.0 7.8 11.8#
130 2.4 18.0 27.0#



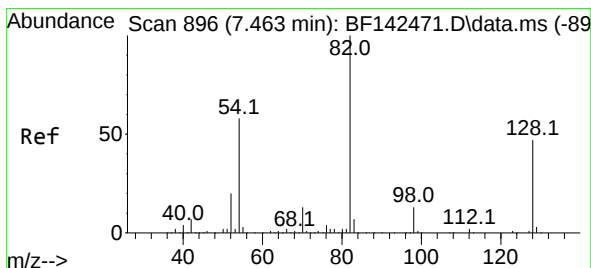
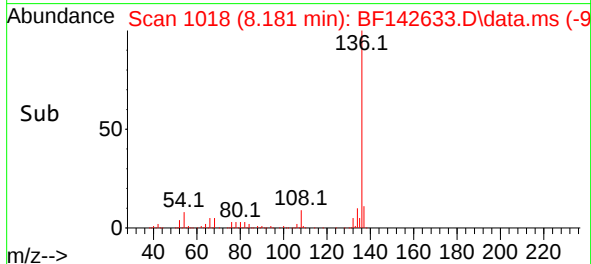
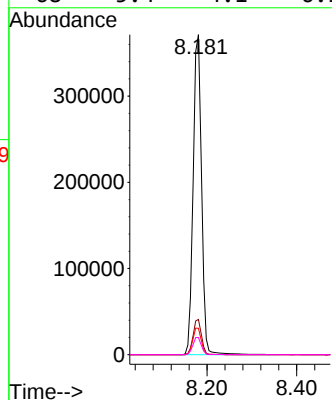


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142633.D
Acq: 05 Jun 2025 14:37

Instrument :
BNA_F
ClientSampleId :

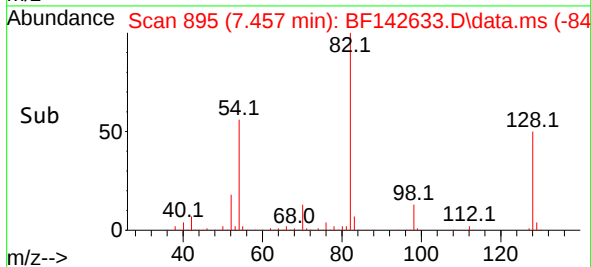
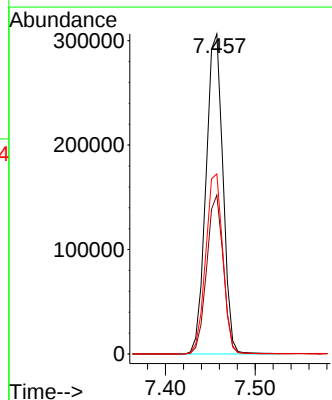
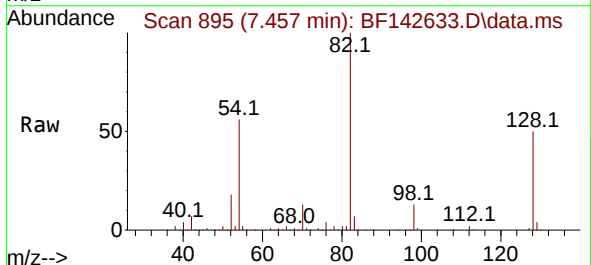


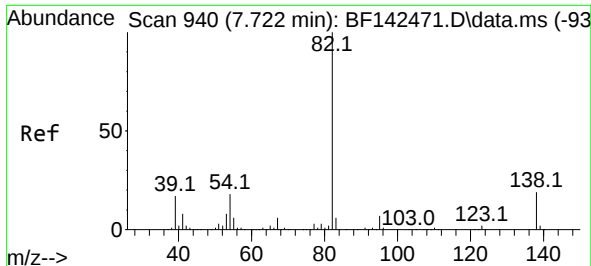
Tgt Ion:136 Resp: 484097
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.2 6.6 10.0
68 5.4 4.1 6.1



#23
Nitrobenzene-d5
Concen: 45.307 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.017 min
Lab File: BF142633.D
Acq: 05 Jun 2025 14:37

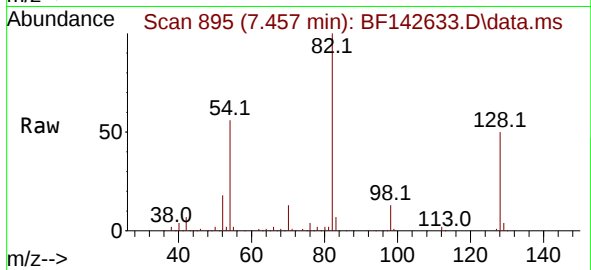
Tgt Ion: 82 Resp: 402229
Ion Ratio Lower Upper
82 100
128 49.7 37.4 56.2
54 56.3 46.6 70.0



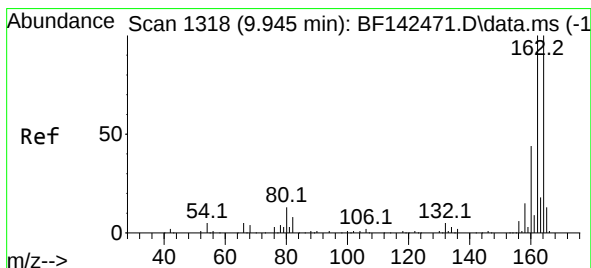
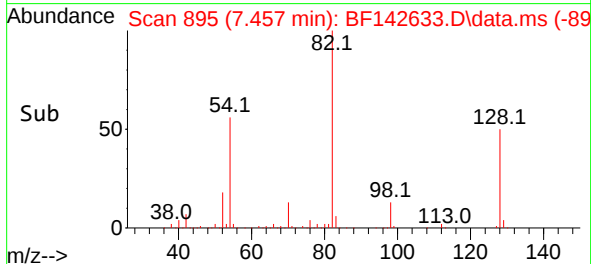
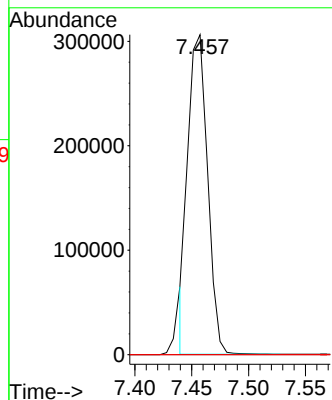


#25
Isophorone
Concen: 24.962 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF142633.D
Acq: 05 Jun 2025 14:37

Instrument :
BNA_F
ClientSampleId :

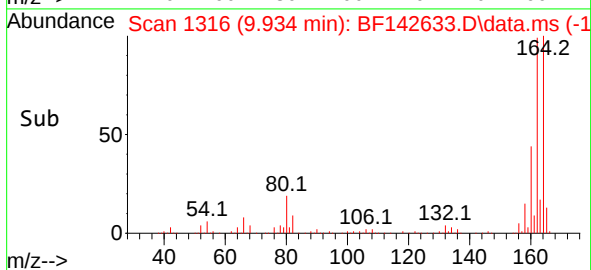
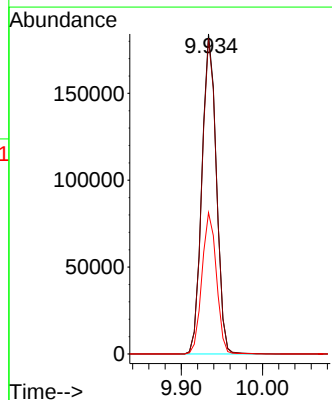
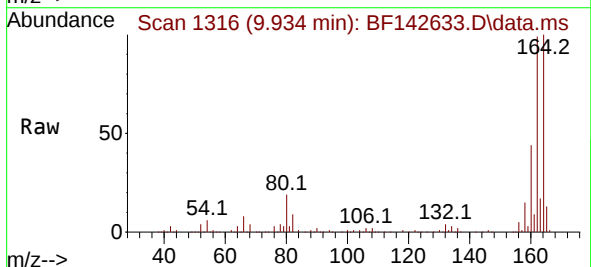


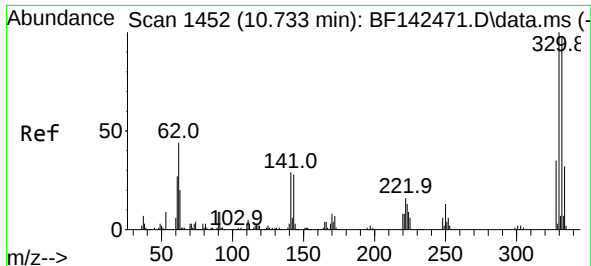
Tgt Ion: 82 Resp: 370511
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142633.D
Acq: 05 Jun 2025 14:37

Tgt Ion:164 Resp: 227063
Ion Ratio Lower Upper
164 100
162 98.5 80.2 120.4
160 44.2 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 61.769 ng

RT: 10.722 min Scan# 1450

Delta R.T. -0.017 min

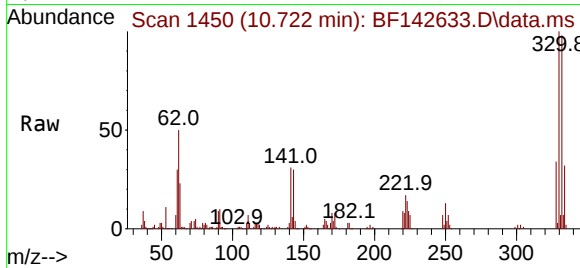
Lab File: BF142633.D

Acq: 05 Jun 2025 14:37

Instrument :

BNA_F

ClientSampleId :



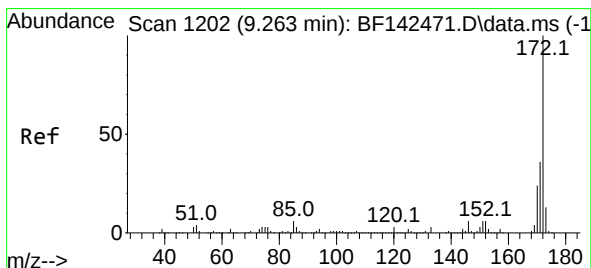
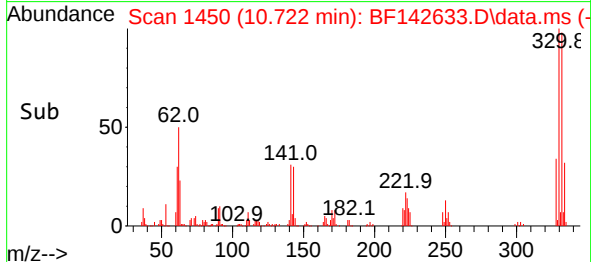
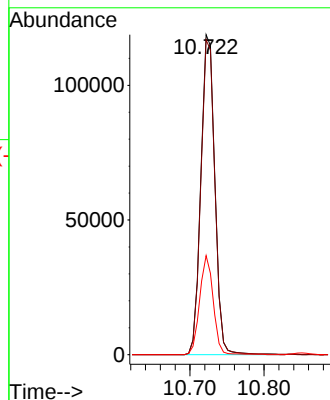
Tgt Ion:330 Resp: 155665

Ion Ratio Lower Upper

330 100

332 98.4 77.6 116.4

141 30.0 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 47.263 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.017 min

Lab File: BF142633.D

Acq: 05 Jun 2025 14:37

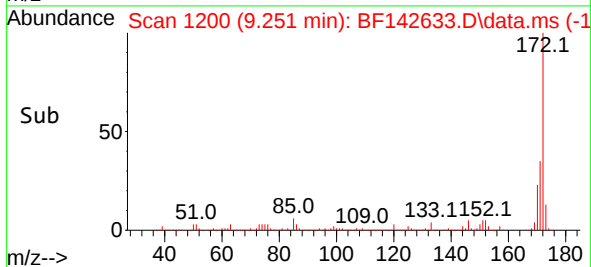
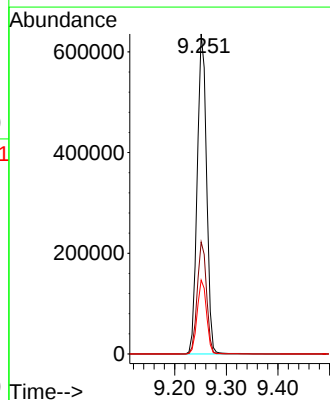
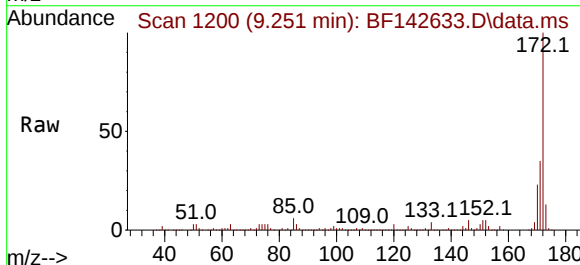
Tgt Ion:172 Resp: 799753

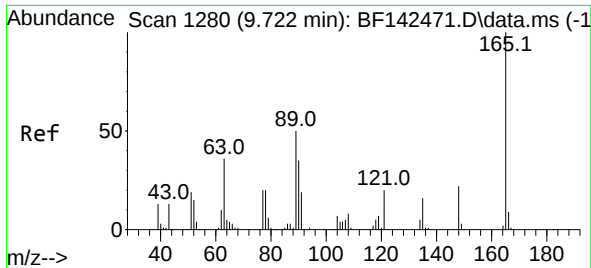
Ion Ratio Lower Upper

172 100

171 35.0 28.6 42.8

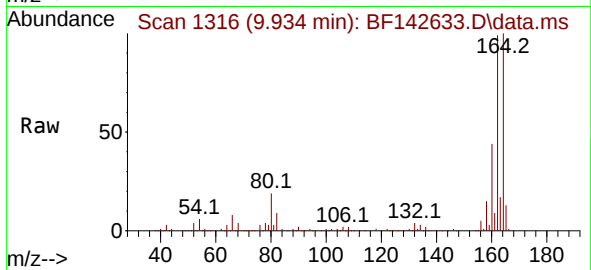
170 23.1 18.9 28.3



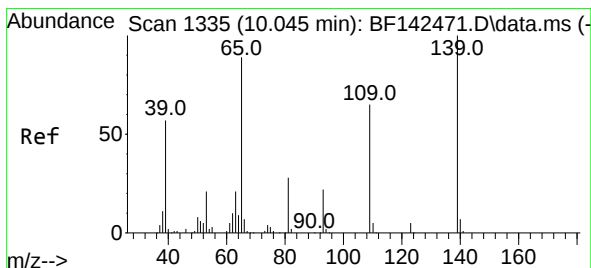
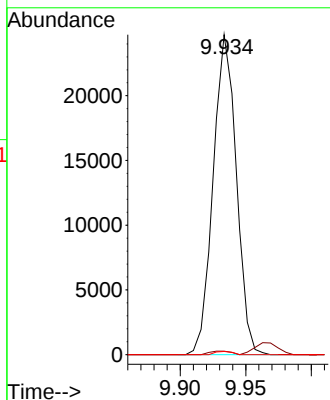
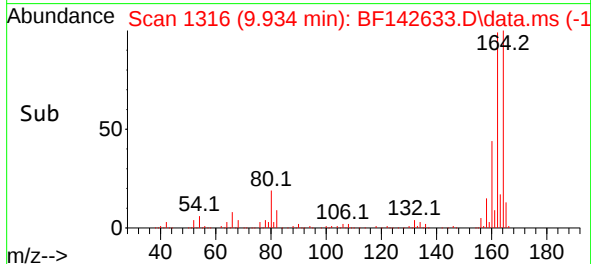


#51
2,6-Dinitrotoluene
Concen: 9.391 ng
RT: 9.934 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142633.D
Acq: 05 Jun 2025 14:37

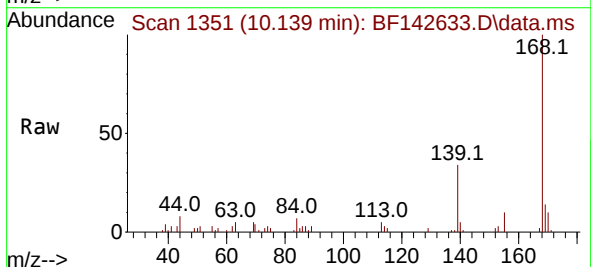
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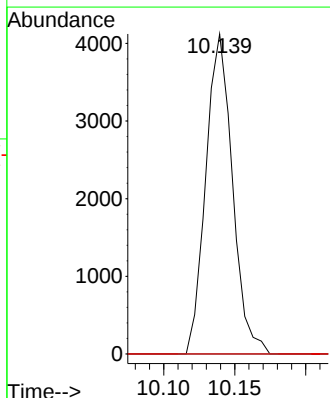
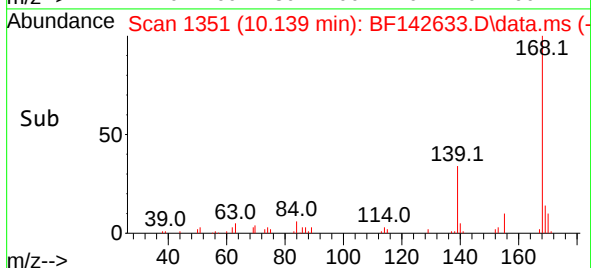
Tgt Ion:165 Resp: 30366
Ion Ratio Lower Upper
165 100
63 1.1 42.9 64.3#
89 1.0 40.2 60.4#

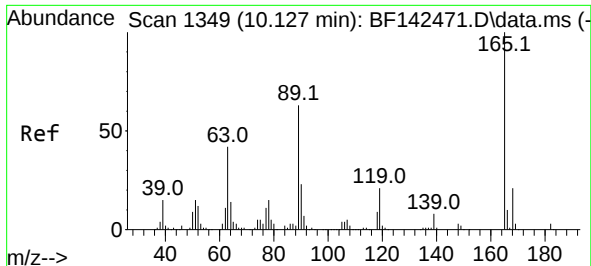


#56
4-Nitrophenol
Concen: 2.061 ng
RT: 10.139 min Scan# 1351
Delta R.T. 0.088 min
Lab File: BF142633.D
Acq: 05 Jun 2025 14:37



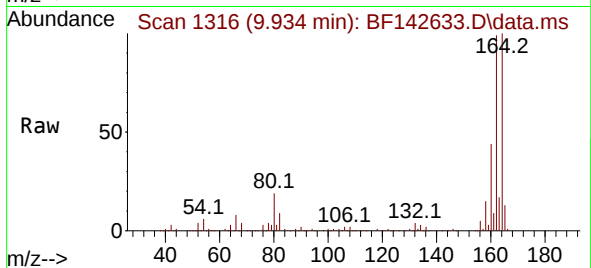
Tgt Ion:139 Resp: 5372
Ion Ratio Lower Upper
139 100
109 0.0 45.1 85.1#
65 0.0 69.7 109.7#



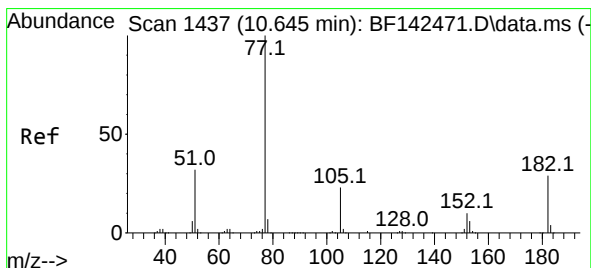
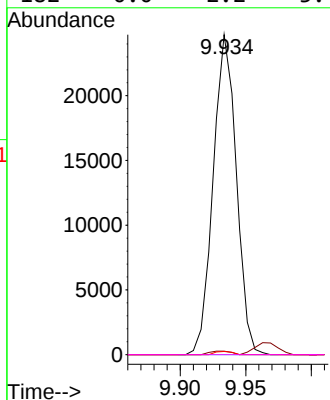
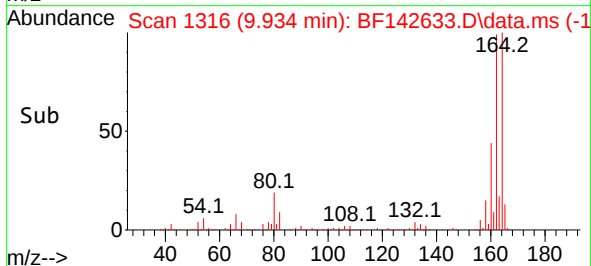


#57
2,4-Dinitrotoluene
Concen: 7.191 ng
RT: 9.934 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF142633.D
Acq: 05 Jun 2025 14:37

Instrument :
BNA_F
ClientSampleId :

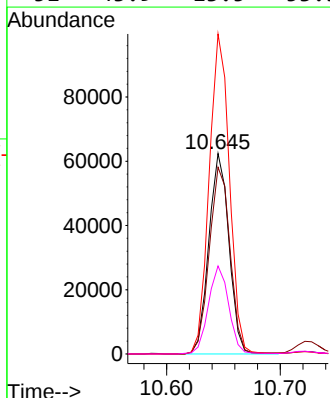
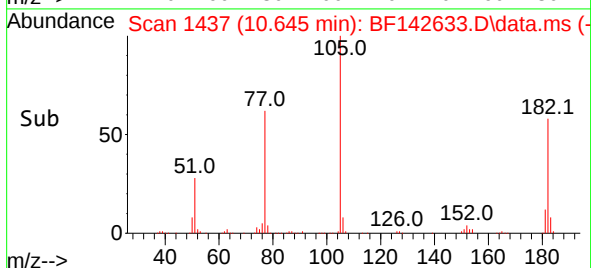
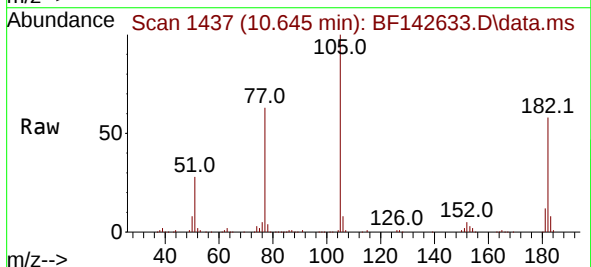


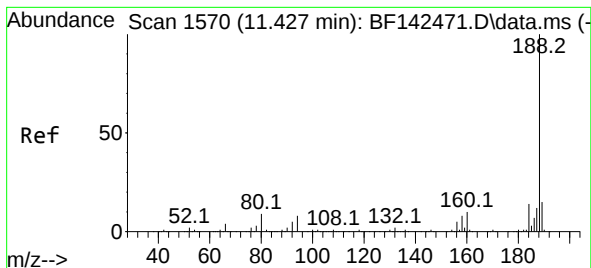
Tgt Ion:165 Resp: 30366
Ion Ratio Lower Upper
165 100
63 1.1 33.6 50.4#
89 1.0 50.2 75.4#
182 0.0 2.2 3.4#



#63
Azobenzene
Concen: 5.857 ng
RT: 10.645 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BF142633.D
Acq: 05 Jun 2025 14:37

Tgt Ion: 77 Resp: 76977
Ion Ratio Lower Upper
77 100
182 93.2 9.0 49.0#
105 159.7 2.4 42.4#
51 43.9 13.5 53.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142633.D

Acq: 05 Jun 2025 14:37

Instrument :

BNA_F

ClientSampleId :

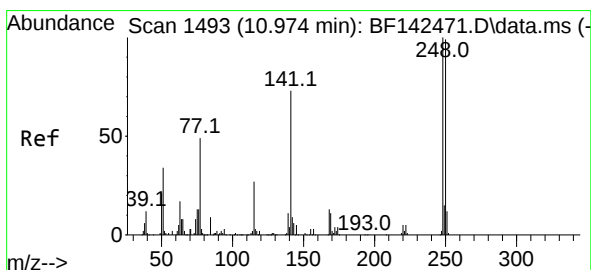
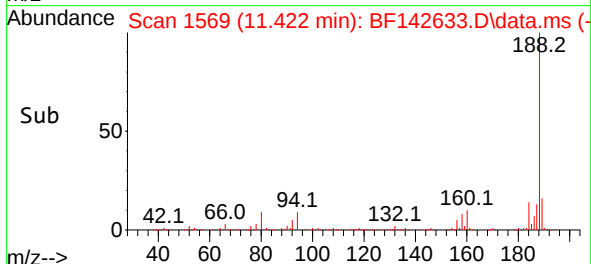
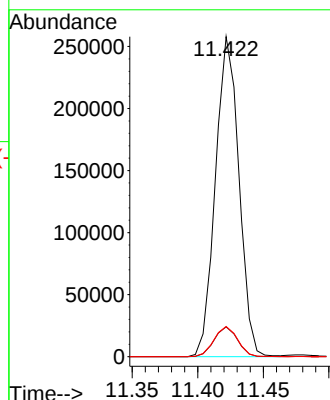
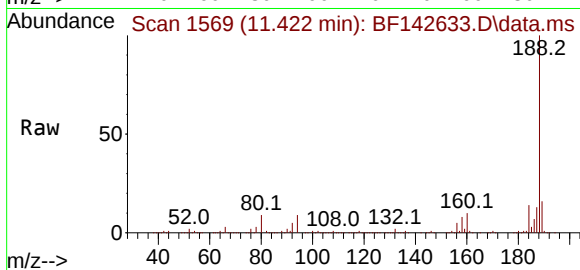
Tgt Ion:188 Resp: 321173

Ion Ratio Lower Upper

188 100

94 9.3 6.6 10.0

80 9.5 7.4 11.0



#67

4-Bromophenyl-phenylether

Concen: 2.672 ng

RT: 10.722 min Scan# 1450

Delta R.T. -0.253 min

Lab File: BF142633.D

Acq: 05 Jun 2025 14:37

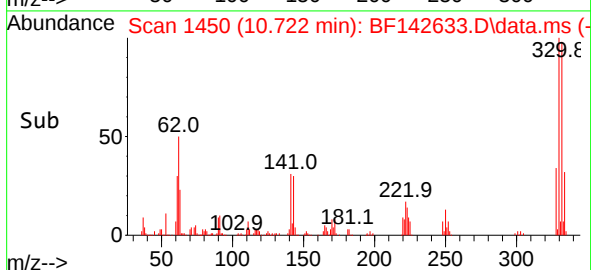
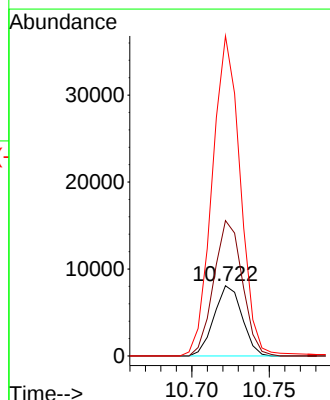
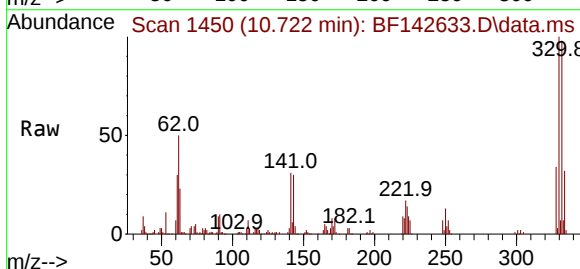
Tgt Ion:248 Resp: 10148

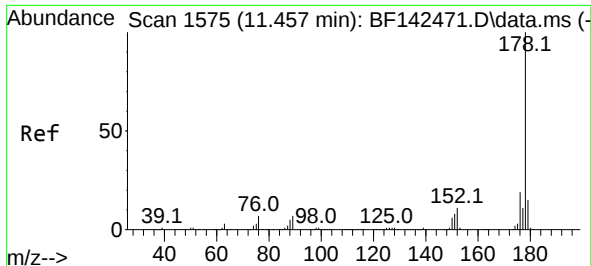
Ion Ratio Lower Upper

248 100

250 192.7 79.0 118.4#

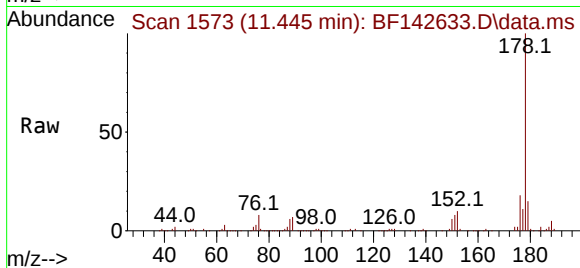
141 455.7 58.4 87.6#



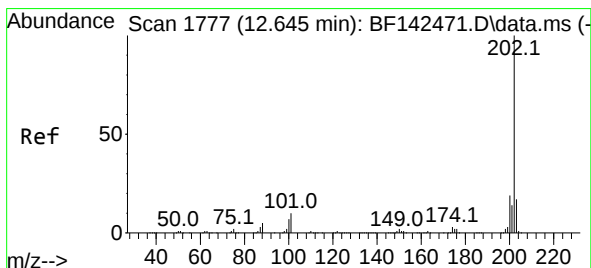
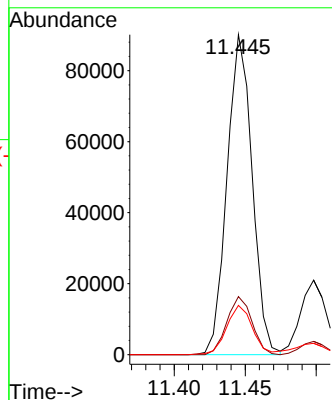
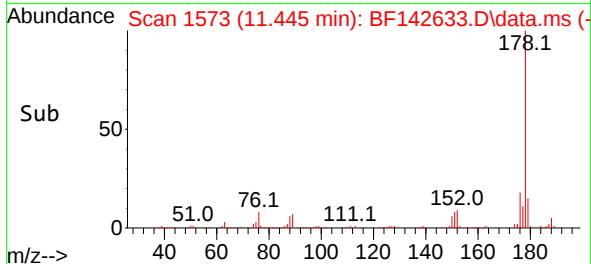


#71
Phenanthrene
Concen: 6.478 ng
RT: 11.445 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142633.D
Acq: 05 Jun 2025 14:37

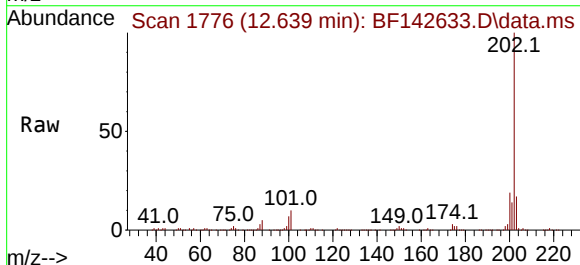
Instrument :
BNA_F
ClientSampleId :



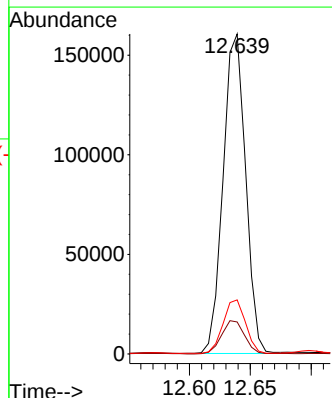
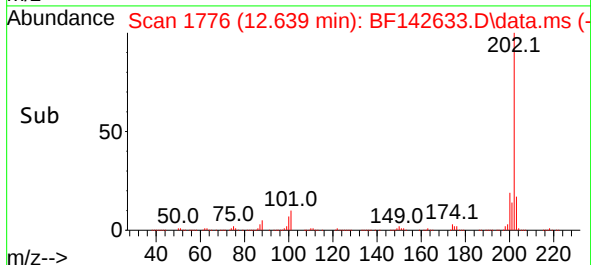
Tgt Ion:178 Resp: 111181
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.0
179 15.4 12.3 18.5

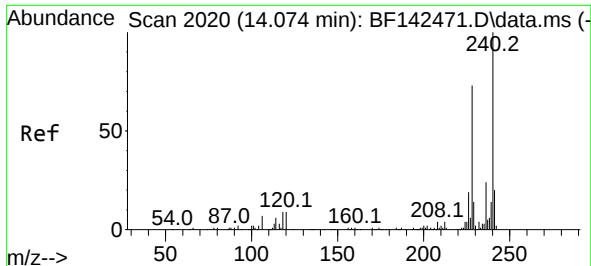


#75
Fluoranthene
Concen: 12.869 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142633.D
Acq: 05 Jun 2025 14:37



Tgt Ion:202 Resp: 206397
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.6
203 16.9 0.0 37.2

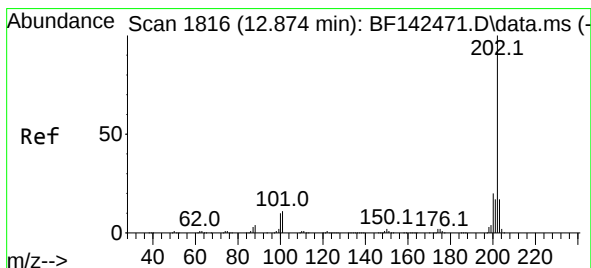
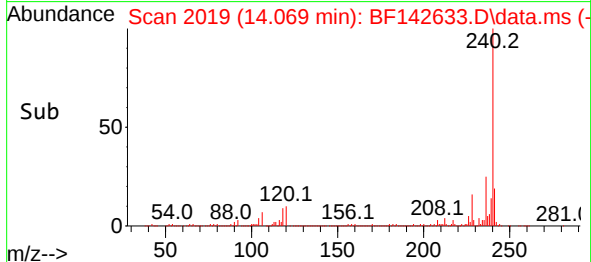
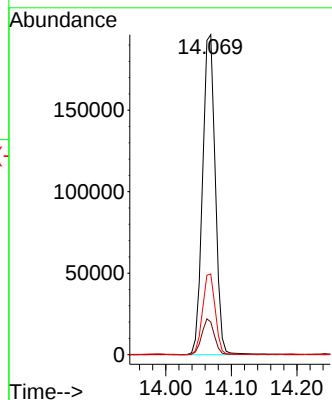
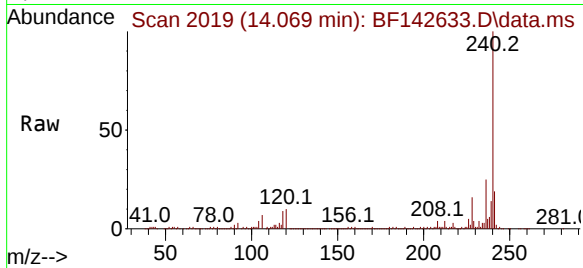




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142633.D
Acq: 05 Jun 2025 14:37

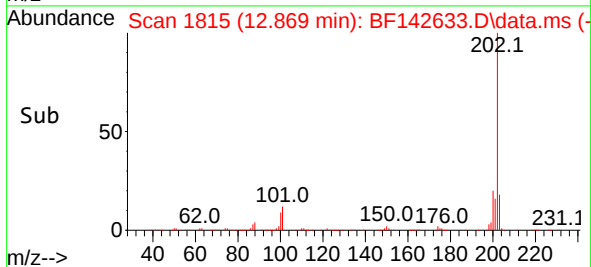
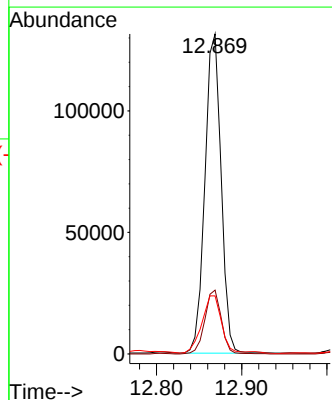
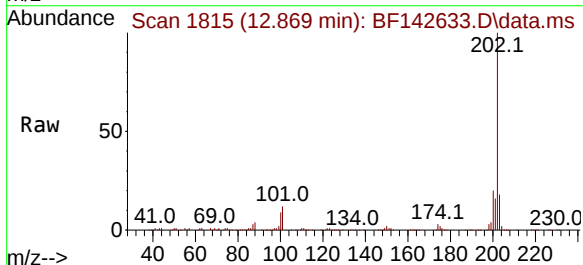
Instrument :
BNA_F
ClientSampleId :

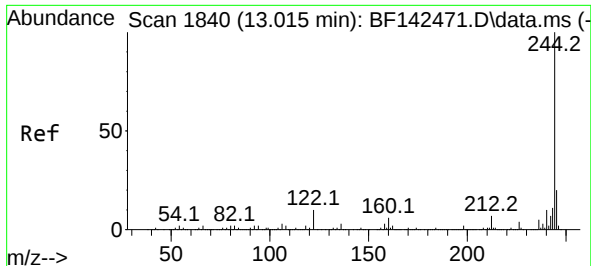
Tgt Ion:240 Resp: 265418
Ion Ratio Lower Upper
240 100
120 10.2 7.5 11.3
236 25.2 19.6 29.4



#78
Pyrene
Concen: 7.012 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142633.D
Acq: 05 Jun 2025 14:37

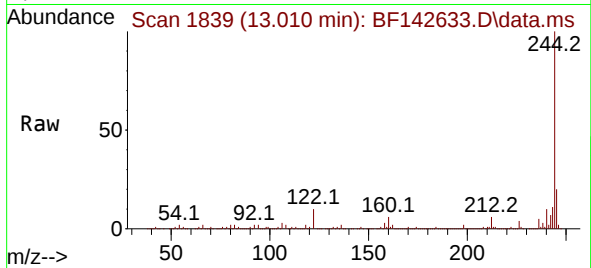
Tgt Ion:202 Resp: 173626
Ion Ratio Lower Upper
202 100
200 19.9 16.1 24.1
203 18.1 13.9 20.9



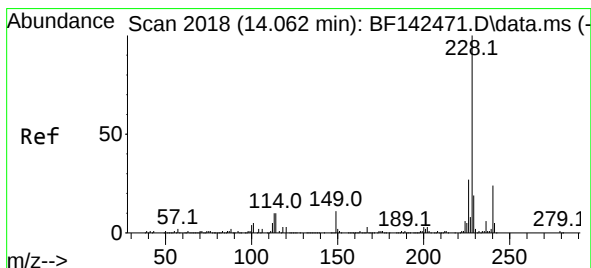
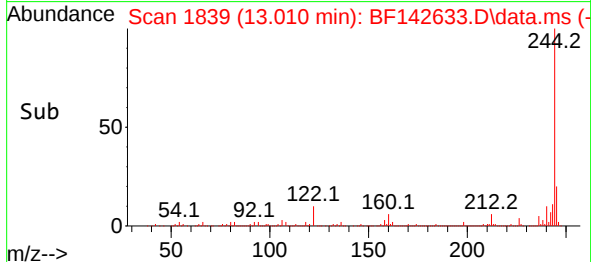
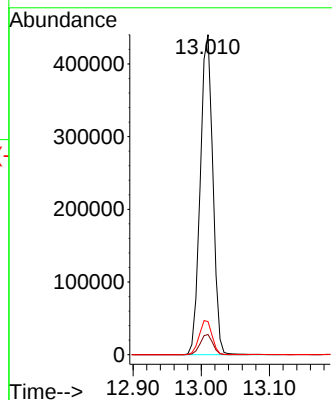


#79
 Terphenyl-d14
 Concen: 29.083 ng
 RT: 13.010 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF142633.D
 Acq: 05 Jun 2025 14:37

Instrument :
 BNA_F
 ClientSampleId :

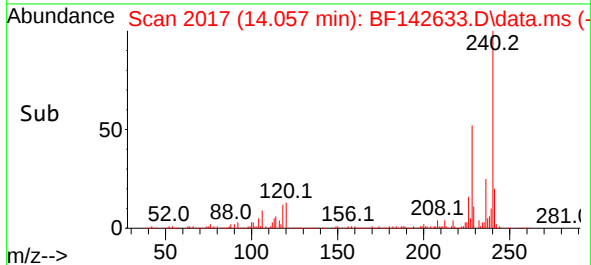
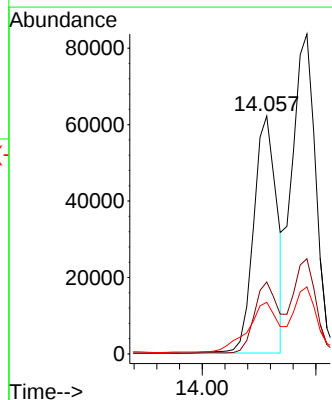
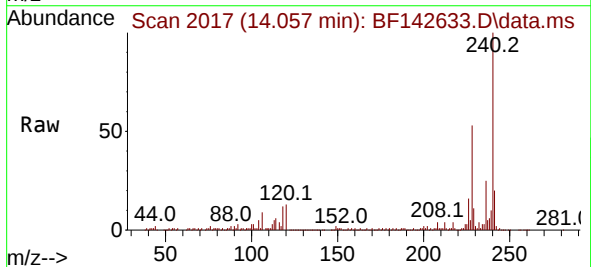


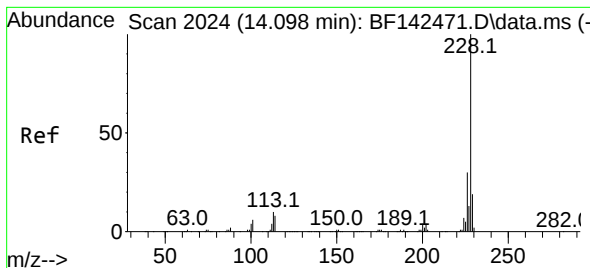
Tgt Ion:244 Resp: 564869
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.3 7.9
 122 10.3 8.2 12.2



#81
 Benzo(a)anthracene
 Concen: 4.930 ng
 RT: 14.057 min Scan# 2017
 Delta R.T. -0.006 min
 Lab File: BF142633.D
 Acq: 05 Jun 2025 14:37

Tgt Ion:228 Resp: 87379
 Ion Ratio Lower Upper
 228 100
 226 30.3 21.2 31.8
 229 21.7 15.5 23.3





#83

Chrysene

Concen: 7.525 ng

RT: 14.092 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF142633.D

Acq: 05 Jun 2025 14:37

Instrument :

BNA_F

ClientSampleId :

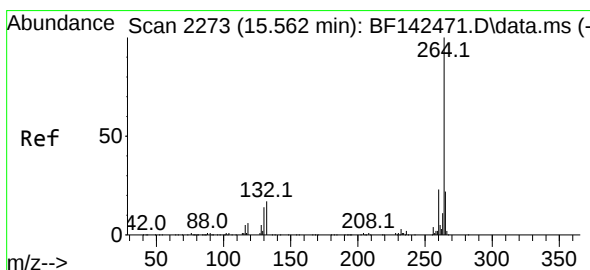
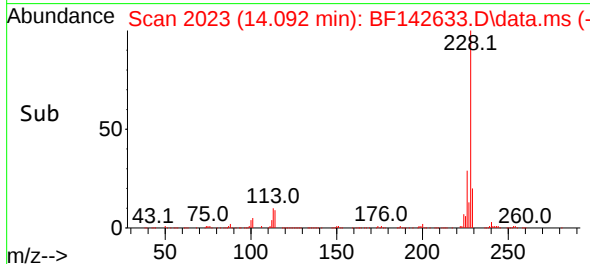
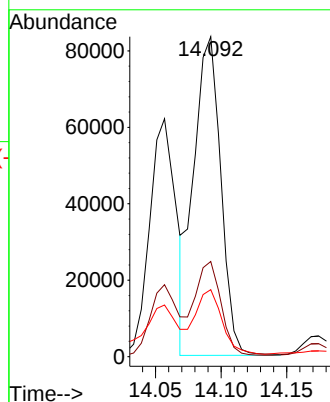
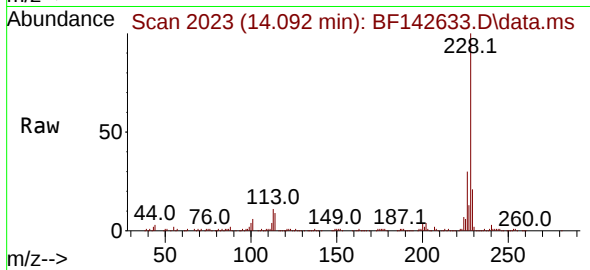
Tgt Ion:228 Resp: 119845

Ion Ratio Lower Upper

228 100

226 29.7 23.8 35.6

229 21.0 15.4 23.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.563 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF142633.D

Acq: 05 Jun 2025 14:37

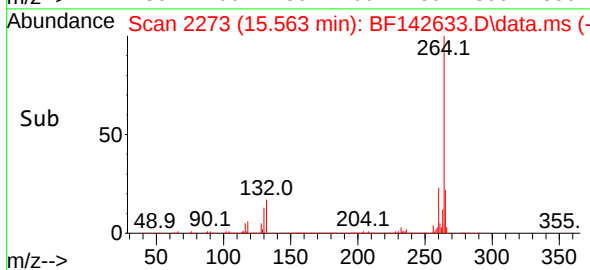
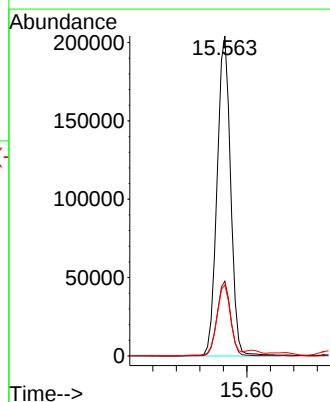
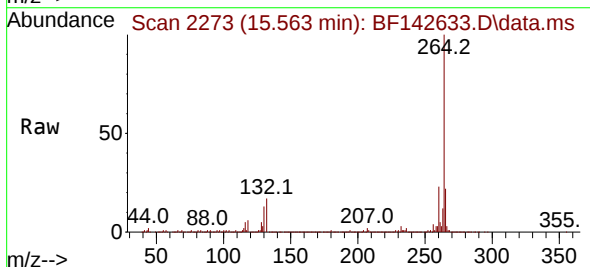
Tgt Ion:264 Resp: 325607

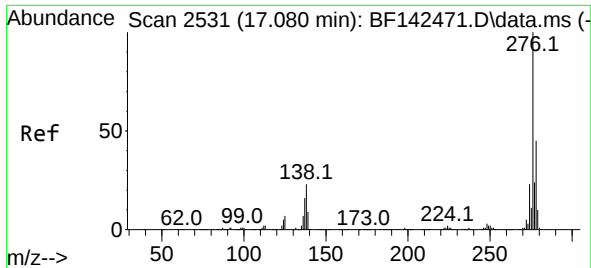
Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

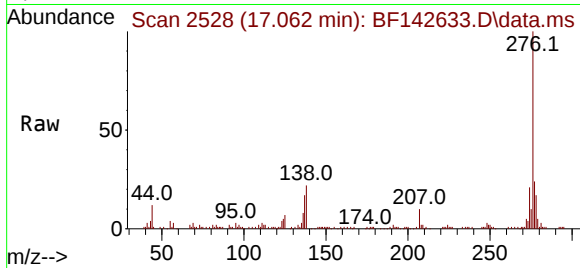
265 22.2 17.7 26.5



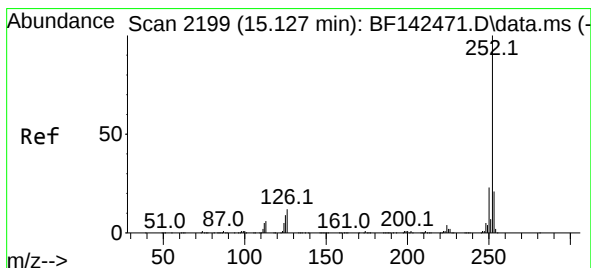
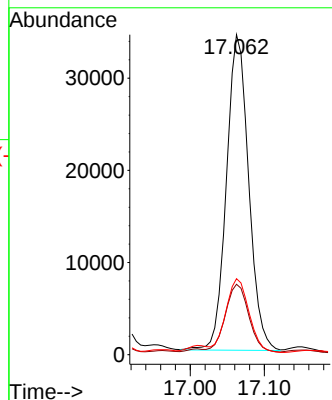
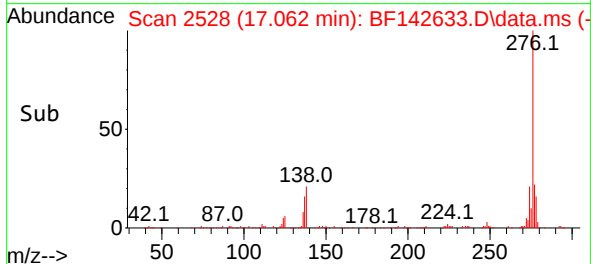


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.920 ng
RT: 17.062 min Scan# 2198
Delta R.T. -0.029 min
Lab File: BF142633.D
Acq: 05 Jun 2025 14:37

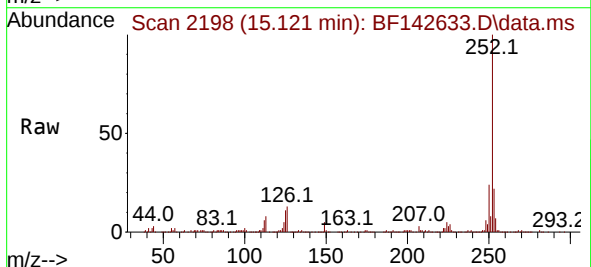
Instrument :
BNA_F
ClientSampleId :



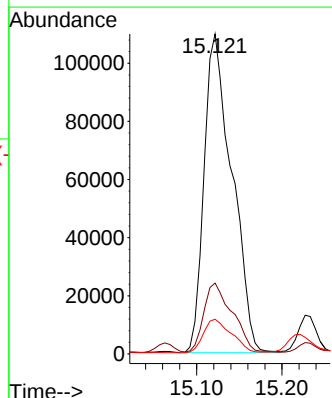
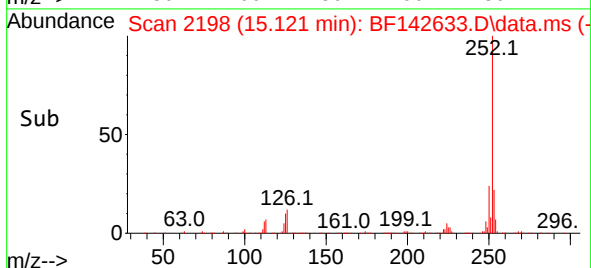
Tgt Ion:276 Resp: 71375
Ion Ratio Lower Upper
276 100
138 22.8 19.9 29.9
277 24.2 20.2 30.2

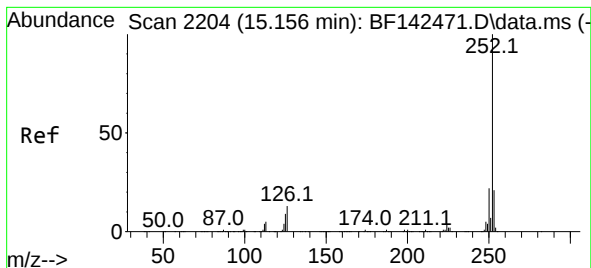


#88
Benzo(b)fluoranthene
Concen: 12.947 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142633.D
Acq: 05 Jun 2025 14:37



Tgt Ion:252 Resp: 249502
Ion Ratio Lower Upper
252 100
253 22.1 17.0 25.4
125 10.8 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 13.823 ng

RT: 15.121 min Scan# 2198

Delta R.T. -0.041 min

Lab File: BF142633.D

Acq: 05 Jun 2025 14:37

Instrument :

BNA_F

ClientSampleId :

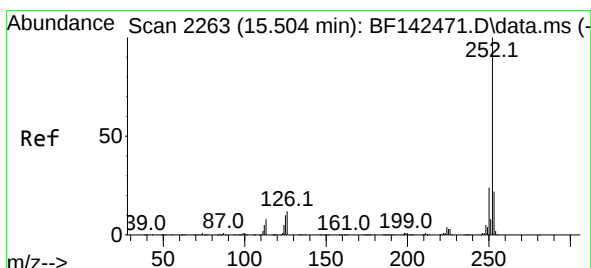
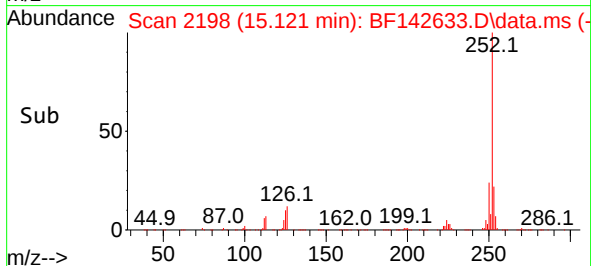
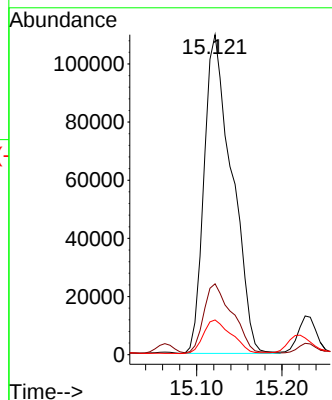
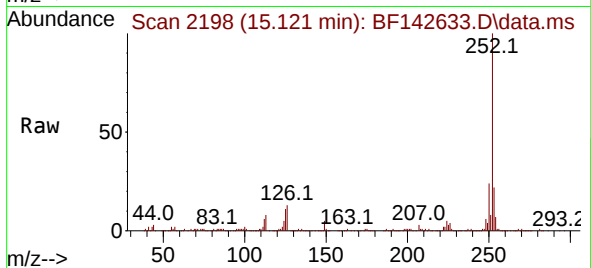
Tgt Ion:252 Resp: 249502

Ion Ratio Lower Upper

252 100

253 22.1 17.0 25.4

125 10.8 7.3 10.9



#90

Benzo(a)pyrene

Concen: 5.433 ng

RT: 15.492 min Scan# 2261

Delta R.T. -0.017 min

Lab File: BF142633.D

Acq: 05 Jun 2025 14:37

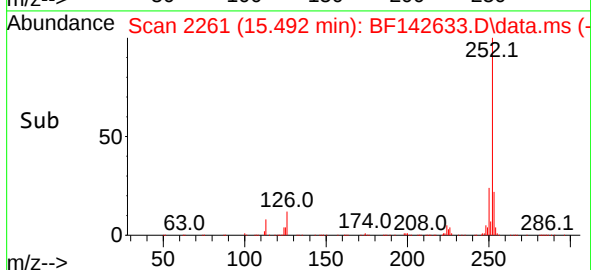
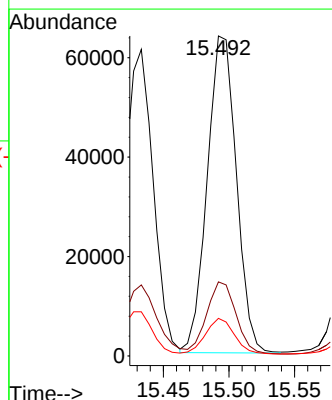
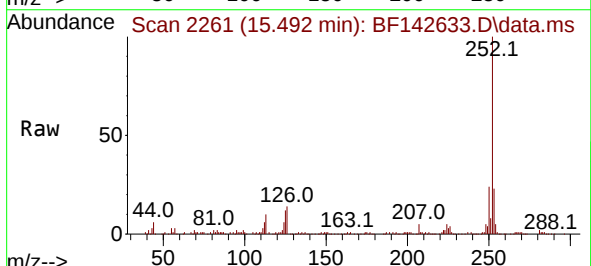
Tgt Ion:252 Resp: 98687

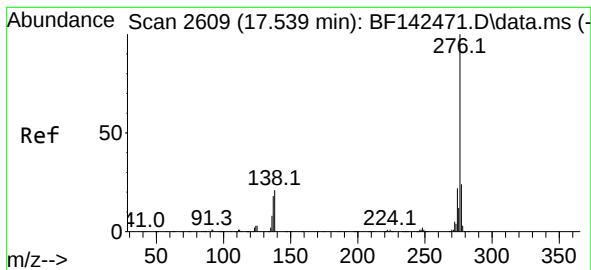
Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

125 11.7 7.9 11.9





#92

Benzo(g,h,i)perylene

Concen: 3.150 ng

RT: 17.521 min Scan# 20

Delta R.T. -0.035 min

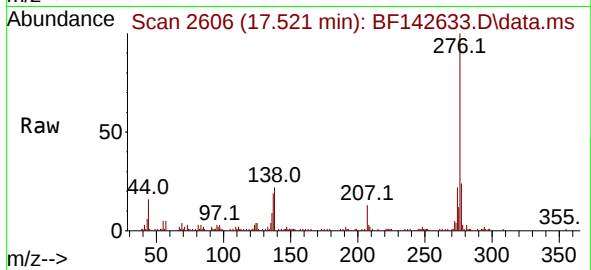
Lab File: BF142633.D

Acq: 05 Jun 2025 14:37

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:276 Resp: 62457

Ion Ratio Lower Upper

276 100

277 23.9 19.2 28.8

138 22.1 16.8 25.2

