

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051625\
 Data File : BF142431.D
 Acq On : 16 May 2025 17:14
 Operator : RC/JU
 Sample : Q2034-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 L3-WC-2

Quant Time: May 16 18:07:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	138560	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	521294	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	270485	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	404050	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	272045	20.000	ng	0.00
86) Perylene-d12	15.557	264	258273	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	579917	71.447	ng	0.00
7) Phenol-d6	6.516	99	713282	71.449	ng	0.00
23) Nitrobenzene-d5	7.457	82	418728	48.988	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	181111	69.352	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	824952	43.488	ng	0.00
79) Terphenyl-d14	13.010	244	552495	30.059	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	55953	9.061	ng	# 76
25) Isophorone	7.457	82	415352	25.661	ng	# 62
51) 2,6-Dinitrotoluene	9.939	165	34176	10.512	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	34176	8.195	ng	# 25
63) Azobenzene	10.645	77	100672	6.074	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.722	198	225	7.287	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	10874	2.375	ng	# 1
71) Phenanthrene	11.445	178	66652	3.147	ng	99
75) Fluoranthene	12.633	202	91487	4.321	ng	99
78) Pyrene	12.863	202	80426	3.321	ng	98
80) Butylbenzylphthalate	13.480	149	485	3.723	ng	# 76
81) Benzo(a)anthracene	14.051	228	40701	2.310	ng	95
83) Chrysene	14.086	228	41032	2.502	ng	97
84) Bis(2-ethylhexyl)phtha...	14.045	149	3934	4.627	ng	# 97
85) Di-n-octyl phthalate	14.692	149	1453	7.913	ng	# 1
88) Benzo(b)fluoranthene	15.115	252	68731	4.394	ng	98
89) Benzo(k)fluoranthene	15.115	252	68731	4.801	ng	98
90) Benzo(a)pyrene	15.486	252	31453	2.244	ng	98

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

Instrument :

BNA F

ClientSampleId :

L3-WC-2

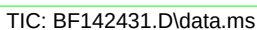
Quant Time: May 16 18:07:41 2025

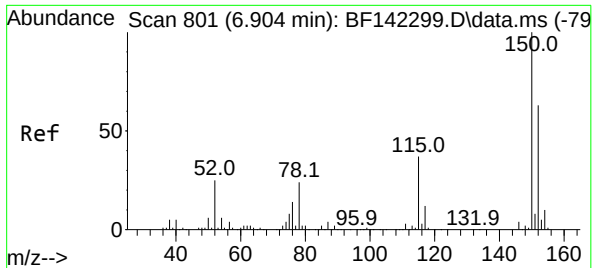
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon May 05 18:41:44 2025

Response via : Initial Calibration

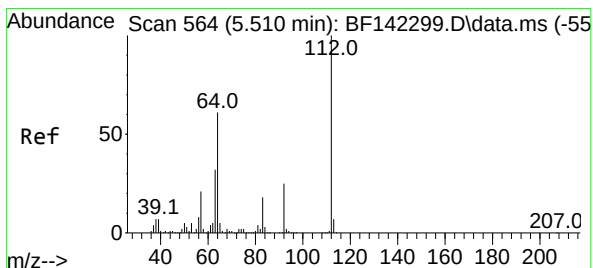
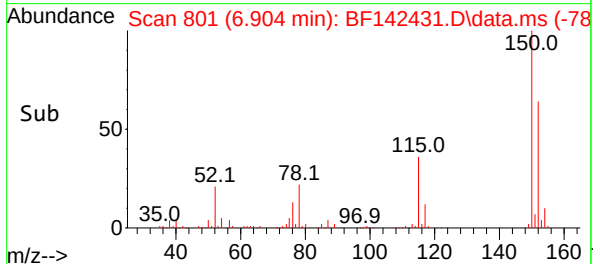
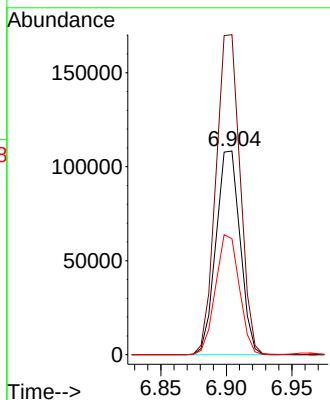
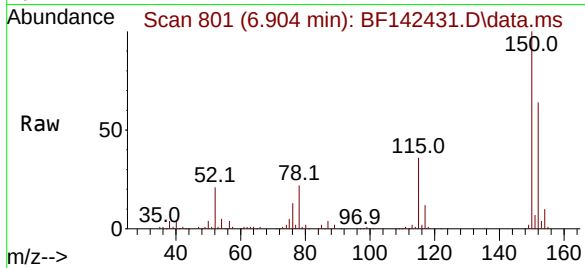




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142431.D
Acq: 16 May 2025 17:14

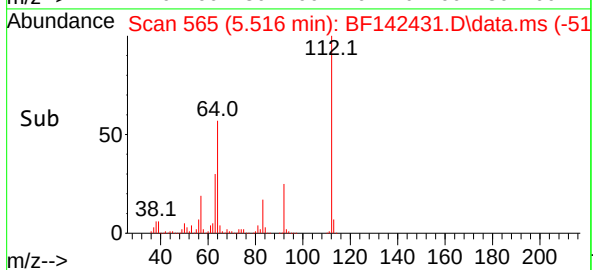
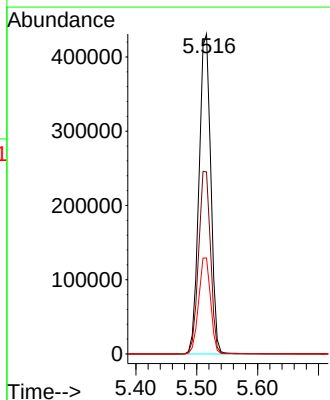
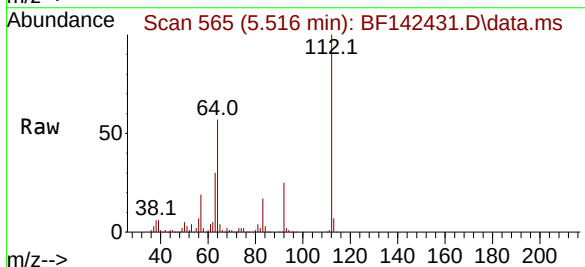
Instrument :
BNA_F
ClientSampleId :
L3-WC-2

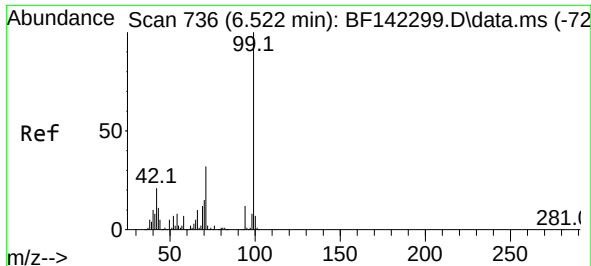
Tgt Ion:152 Resp: 138560
Ion Ratio Lower Upper
152 100
150 157.2 126.6 190.0
115 57.0 47.3 70.9



#5
2-Fluorophenol
Concen: 71.447 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF142431.D
Acq: 16 May 2025 17:14

Tgt Ion:112 Resp: 579917
Ion Ratio Lower Upper
112 100
64 56.9 48.9 73.3
63 30.0 25.6 38.4

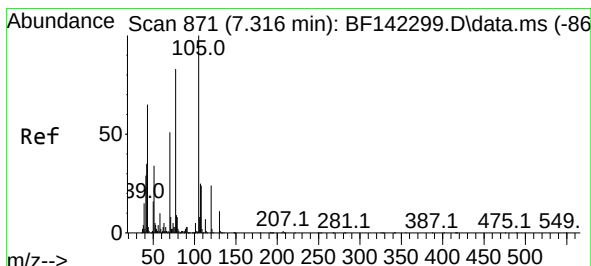
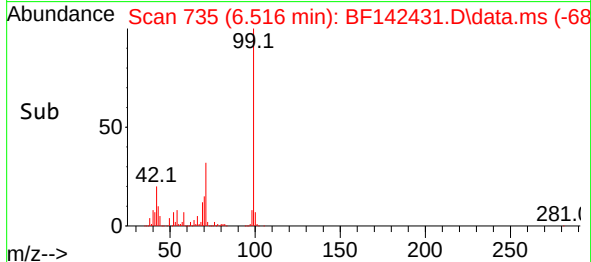
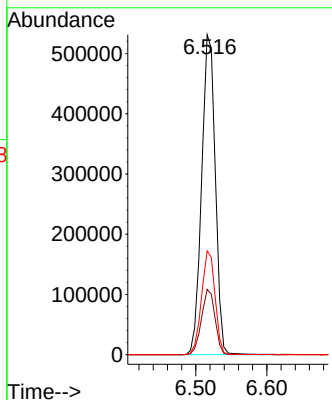
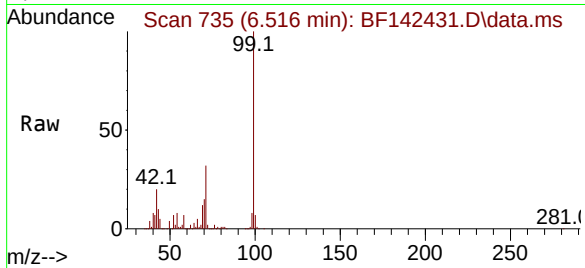




#7
Phenol-d6
Concen: 71.449 ng
RT: 6.516 min Scan# 713
Delta R.T. -0.006 min
Lab File: BF142431.D
Acq: 16 May 2025 17:14

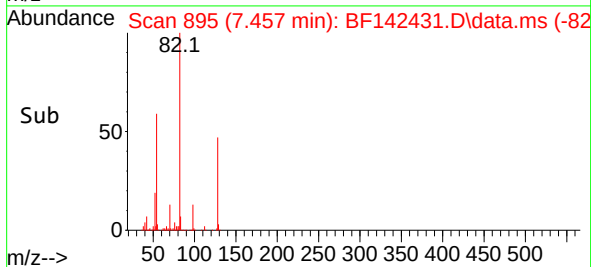
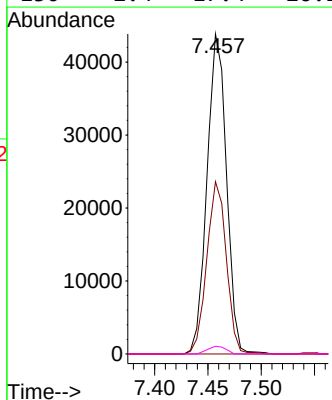
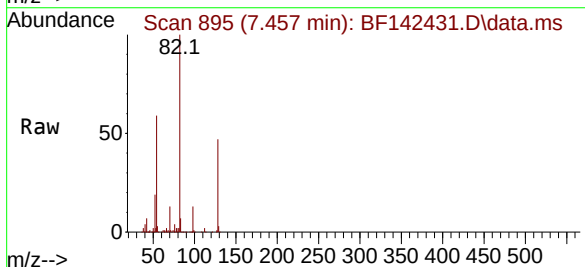
Instrument :
BNA_F
ClientSampleId :
L3-WC-2

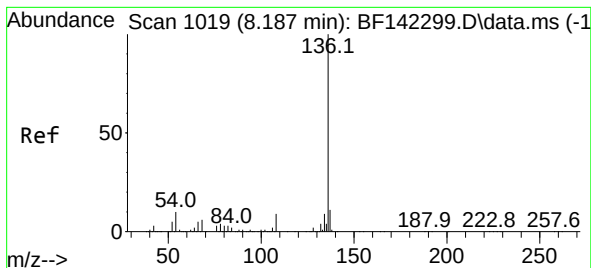
Tgt Ion: 99 Resp: 713282
Ion Ratio Lower Upper
99 100
42 20.4 17.0 25.4
71 32.5 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.061 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF142431.D
Acq: 16 May 2025 17:14

Tgt Ion: 70 Resp: 55953
Ion Ratio Lower Upper
70 100
42 53.9 54.8 82.2#
101 0.0 7.7 11.5#
130 2.4 17.4 26.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.181 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF142431.D

Acq: 16 May 2025 17:14

Instrument :

BNA_F

ClientSampleId :

L3-WC-2

Tgt Ion:136 Resp: 521294

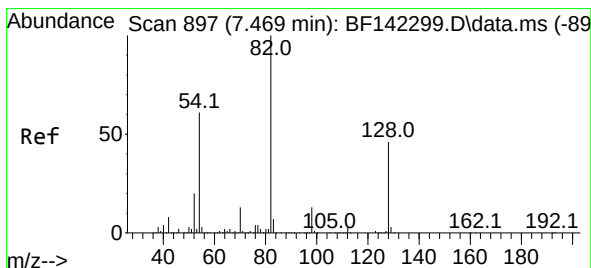
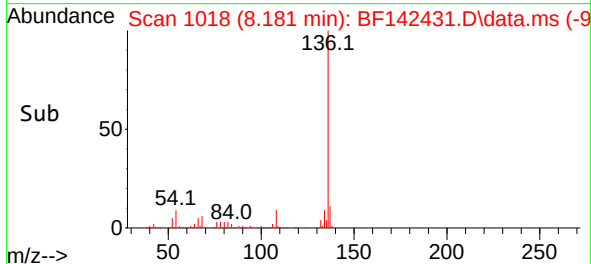
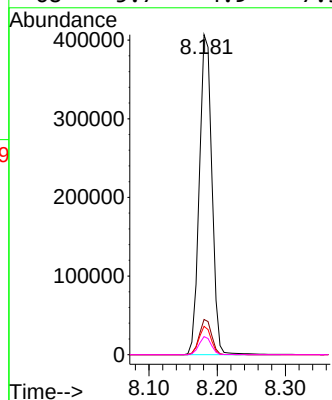
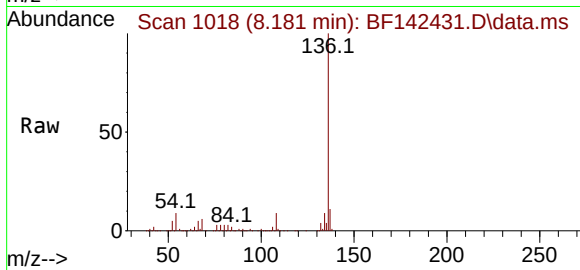
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.8 7.7 11.5

68 5.7 4.9 7.3



#23

Nitrobenzene-d5

Concen: 48.988 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF142431.D

Acq: 16 May 2025 17:14

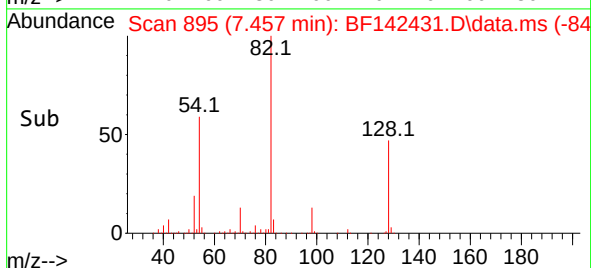
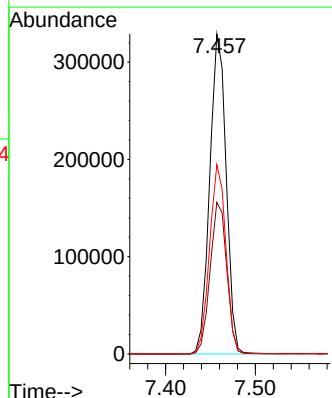
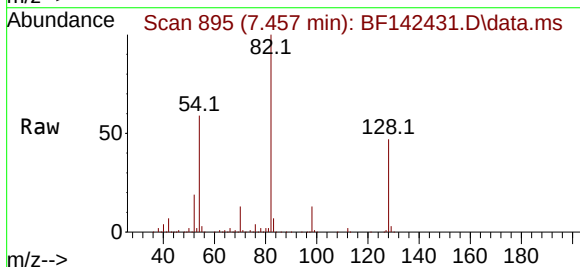
Tgt Ion: 82 Resp: 418728

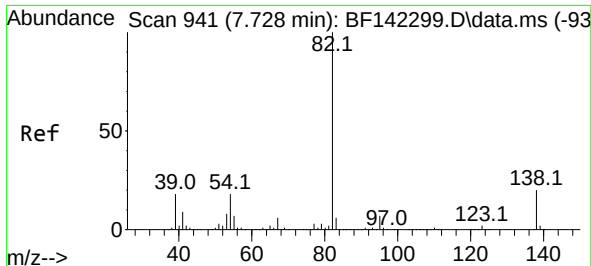
Ion Ratio Lower Upper

82 100

128 47.4 37.0 55.6

54 59.2 48.6 73.0

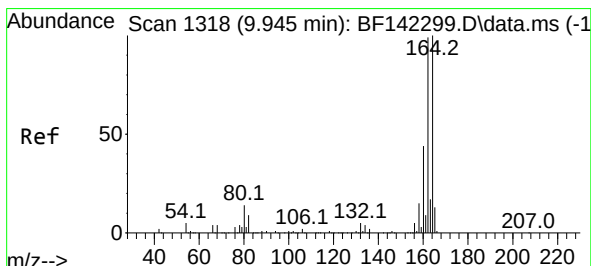
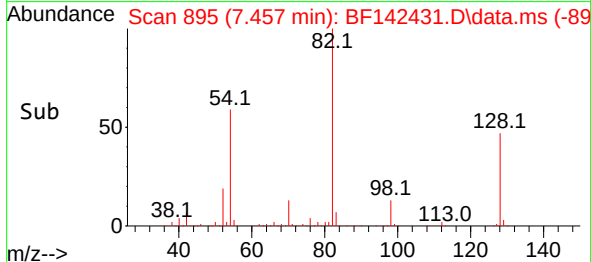
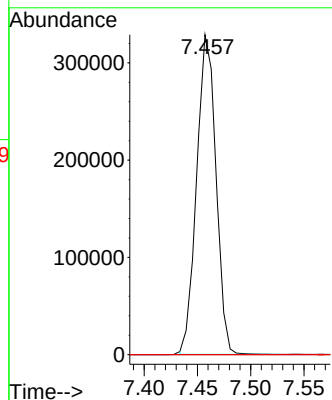
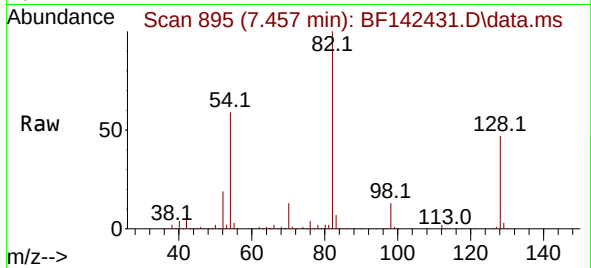




#25
Isophorone
Concen: 25.661 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF142431.D
Acq: 16 May 2025 17:14

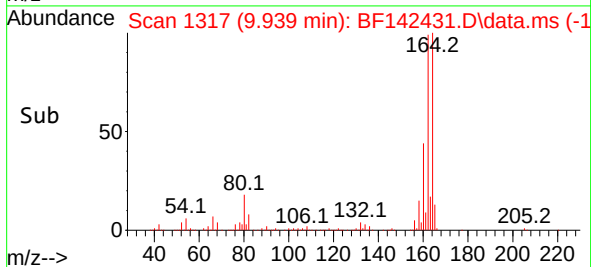
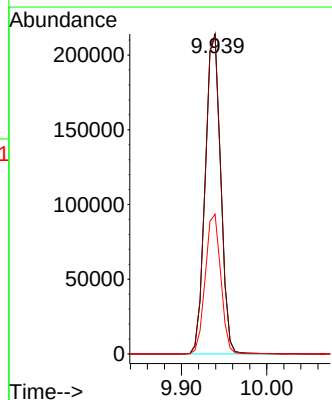
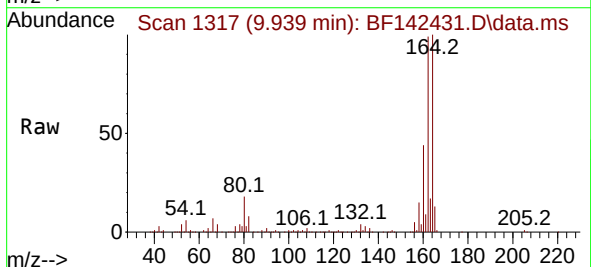
Instrument :
BNA_F
ClientSampleId :
L3-WC-2

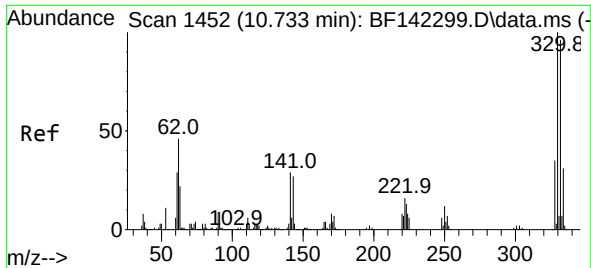
Tgt Ion: 82 Resp: 415352
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142431.D
Acq: 16 May 2025 17:14

Tgt Ion:164 Resp: 270485
Ion Ratio Lower Upper
164 100
162 99.3 79.2 118.8
160 43.7 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 69.352 ng

RT: 10.722 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF142431.D

Acq: 16 May 2025 17:14

Instrument :

BNA_F

ClientSampleId :

L3-WC-2

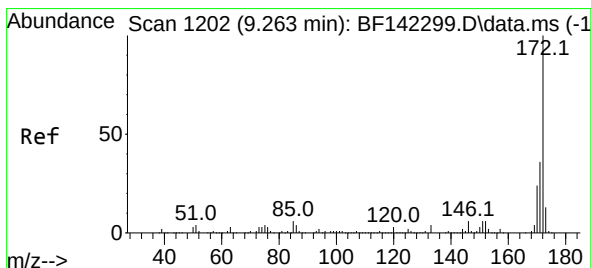
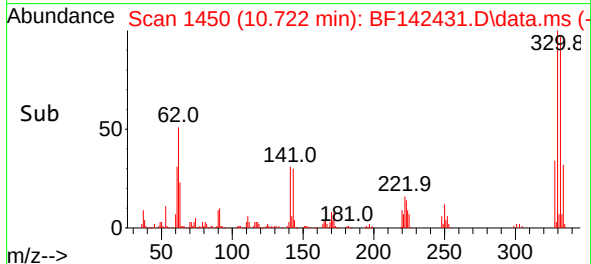
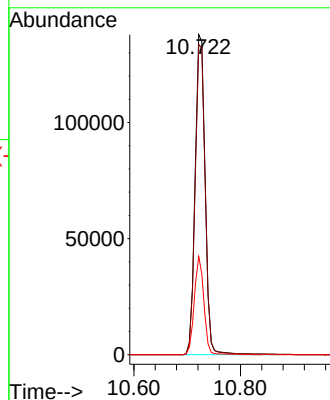
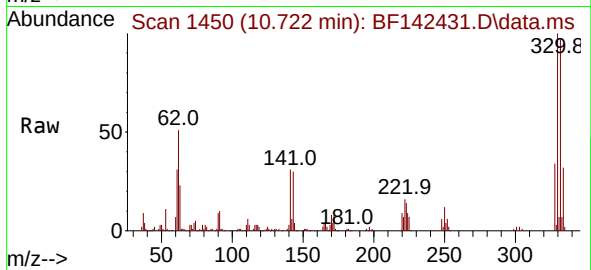
Tgt Ion:330 Resp: 181111

Ion Ratio Lower Upper

330 100

332 97.1 76.8 115.2

141 29.3 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 43.488 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF142431.D

Acq: 16 May 2025 17:14

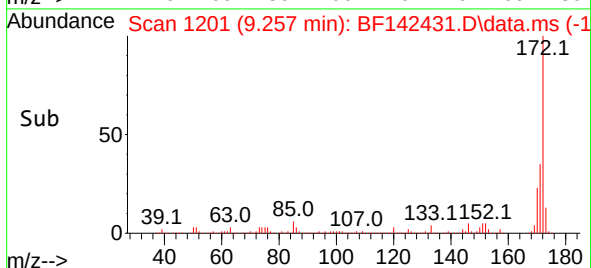
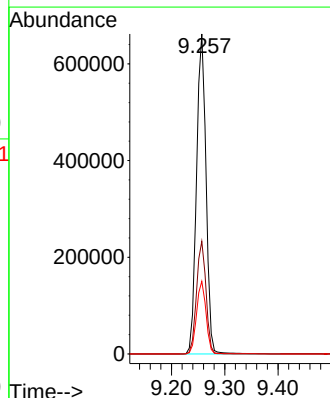
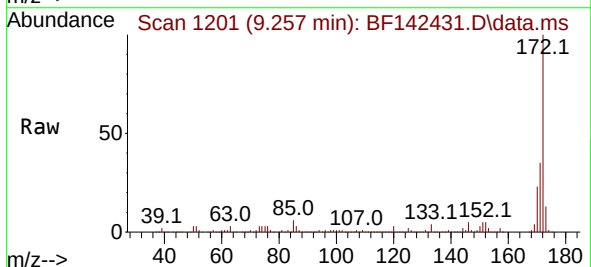
Tgt Ion:172 Resp: 824952

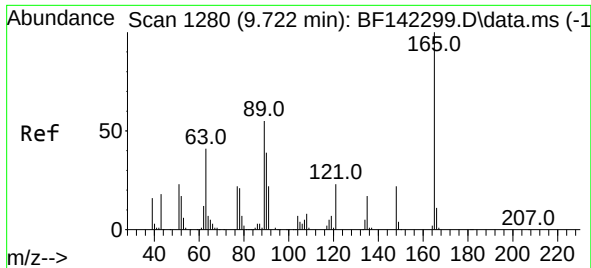
Ion Ratio Lower Upper

172 100

171 35.2 28.6 42.8

170 22.7 19.0 28.4

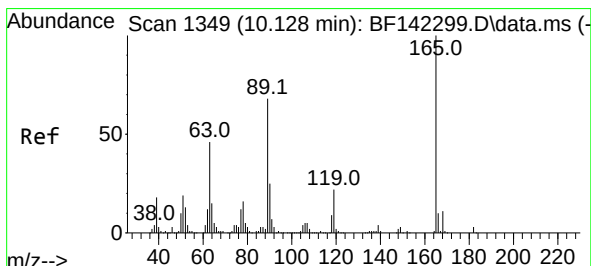
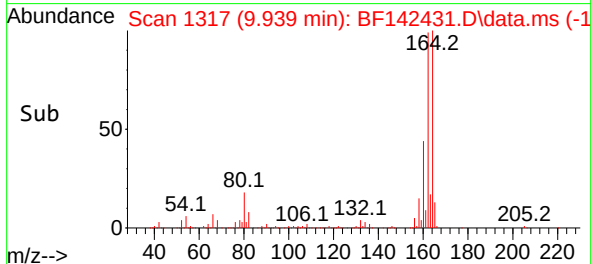
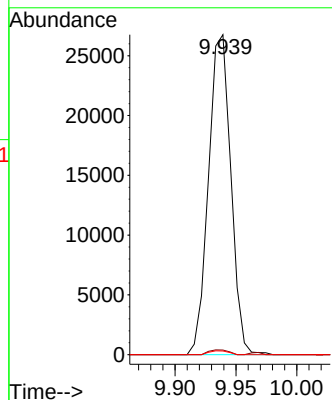
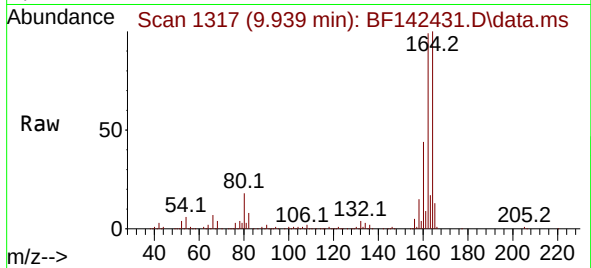




#51
2,6-Dinitrotoluene
Concen: 10.512 ng
RT: 9.939 min Scan# 1317
Delta R.T. 0.217 min
Lab File: BF142431.D
Acq: 16 May 2025 17:14

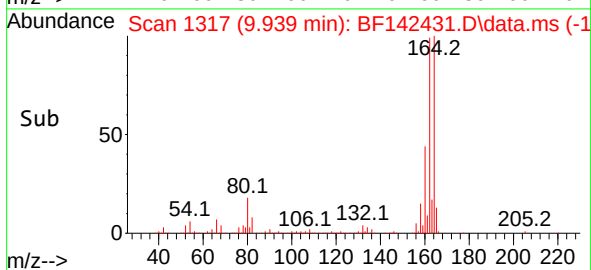
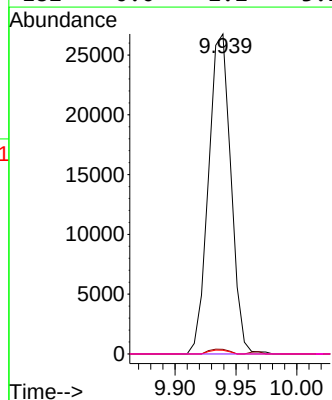
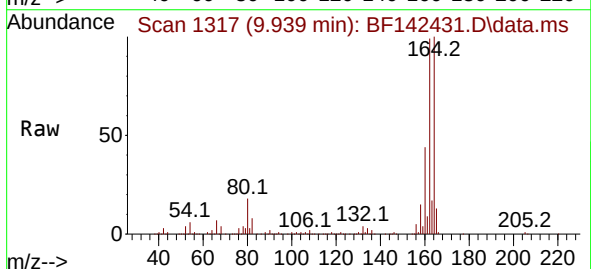
Instrument :
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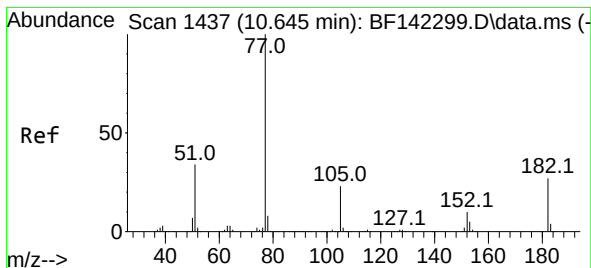
Tgt Ion:165 Resp: 34176
Ion Ratio Lower Upper
165 100
63 1.4 49.5 74.3#
89 1.2 44.6 66.8#



#57
2,4-Dinitrotoluene
Concen: 8.195 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.188 min
Lab File: BF142431.D
Acq: 16 May 2025 17:14

Tgt Ion:165 Resp: 34176
Ion Ratio Lower Upper
165 100
63 1.4 37.1 55.7#
89 1.2 54.4 81.6#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 6.074 ng

RT: 10.645 min Scan# 14

Delta R.T. -0.000 min

Lab File: BF142431.D

Acq: 16 May 2025 17:14

Instrument :

BNA_F

ClientSampleId :

L3-WC-2

Tgt Ion: 77 Resp: 100672

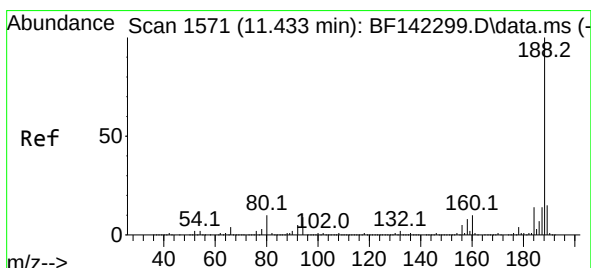
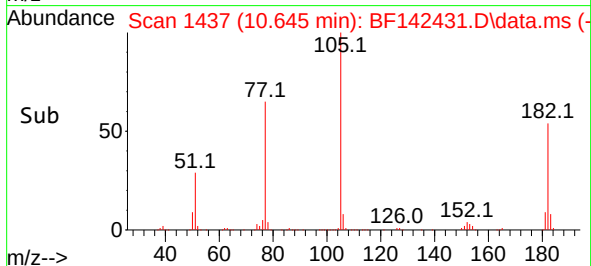
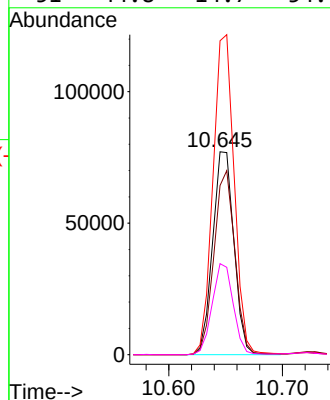
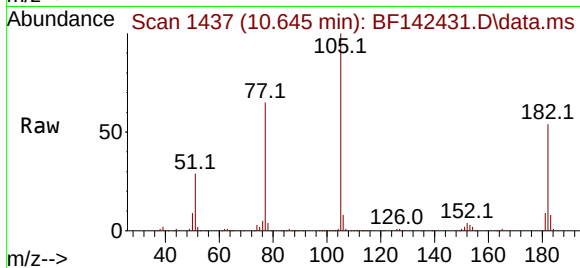
Ion Ratio Lower Upper

77 100

182 83.3 6.9 46.9#

105 154.6 2.7 42.7#

51 44.8 14.7 54.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1569

Delta R.T. -0.012 min

Lab File: BF142431.D

Acq: 16 May 2025 17:14

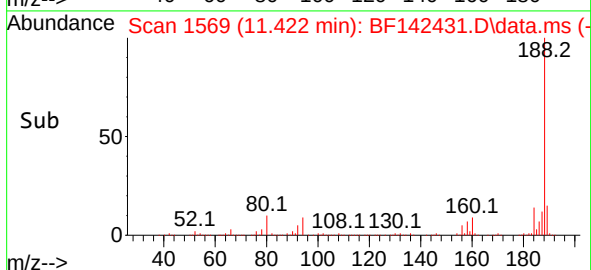
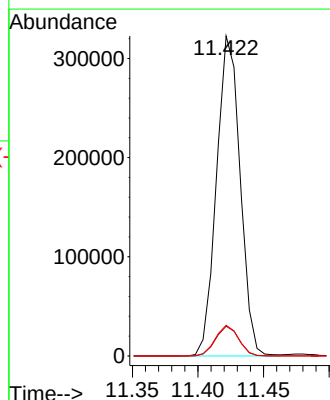
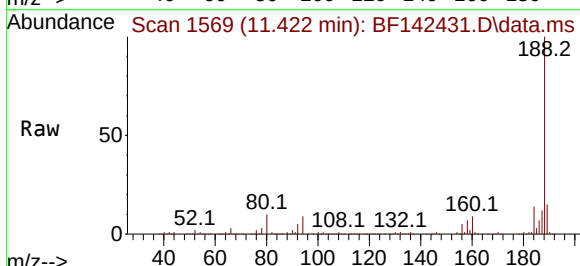
Tgt Ion:188 Resp: 404050

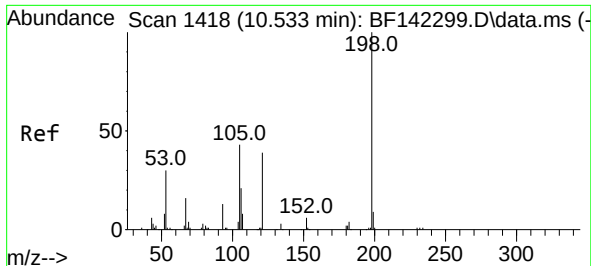
Ion Ratio Lower Upper

188 100

94 9.3 7.5 11.3

80 9.6 7.9 11.9

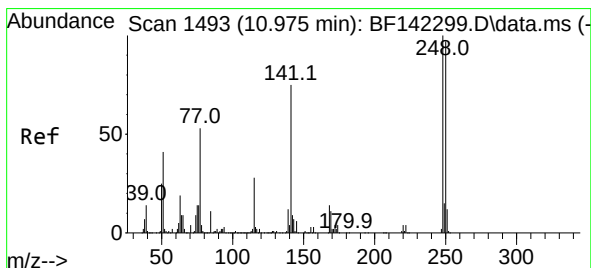
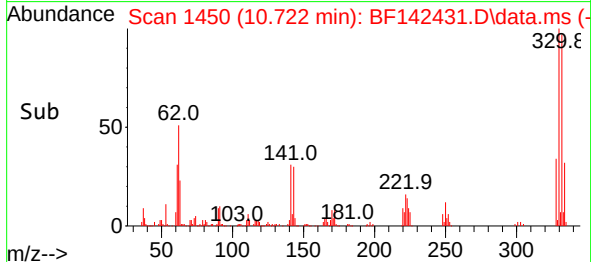
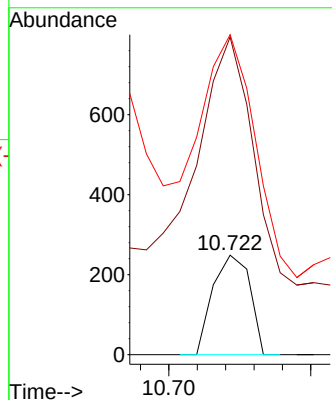
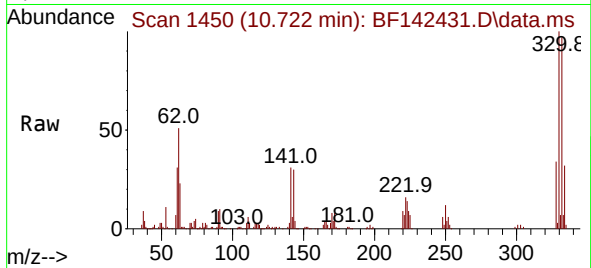




#65
4,6-Dinitro-2-methylphenol
Concen: 7.287 ng
RT: 10.722 min Scan# 1418
Delta R.T. 0.189 min
Lab File: BF142431.D
Acq: 16 May 2025 17:14

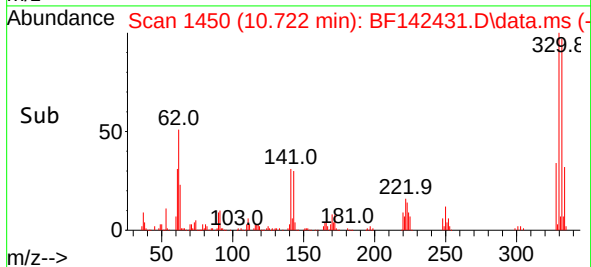
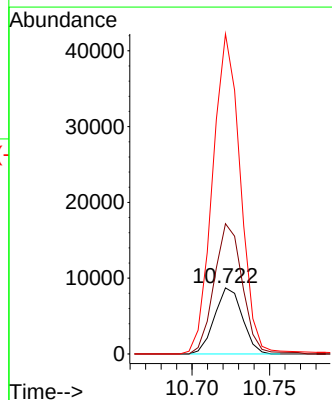
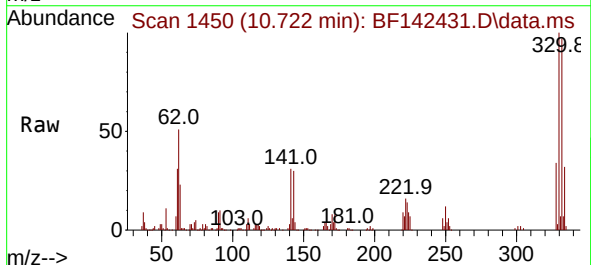
Instrument :
BNA_F
ClientSampleId :
L3-WC-2

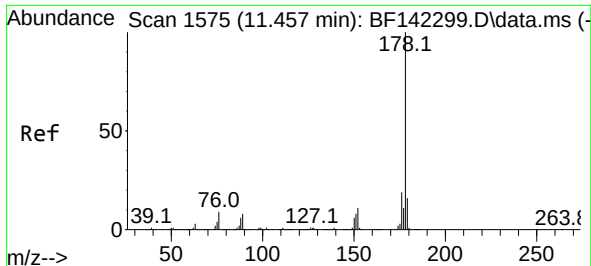
Tgt Ion:198 Resp: 225
Ion Ratio Lower Upper
198 100
51 318.9 32.9 72.9#
105 321.3 23.7 63.7#



#67
4-Bromophenyl-phenylether
Concen: 2.375 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.253 min
Lab File: BF142431.D
Acq: 16 May 2025 17:14

Tgt Ion:248 Resp: 10874
Ion Ratio Lower Upper
248 100
250 197.2 77.9 116.9#
141 484.8 59.8 89.8#

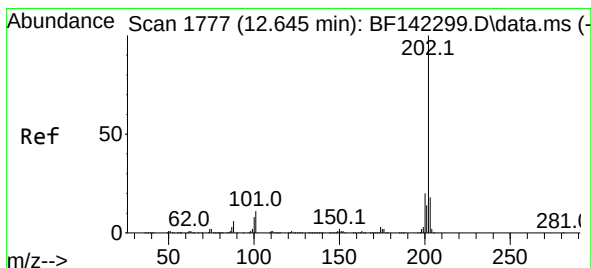
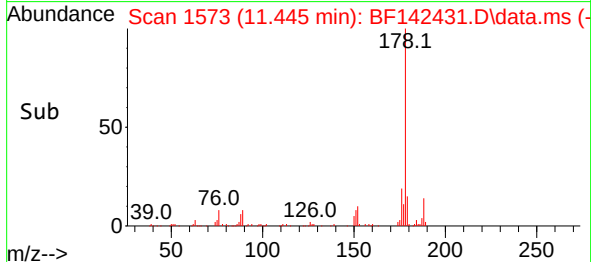
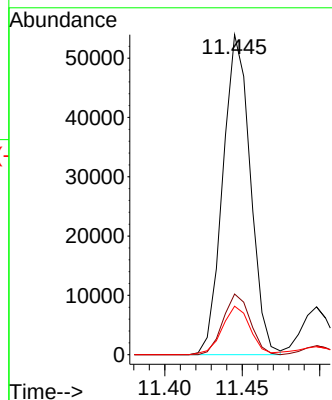
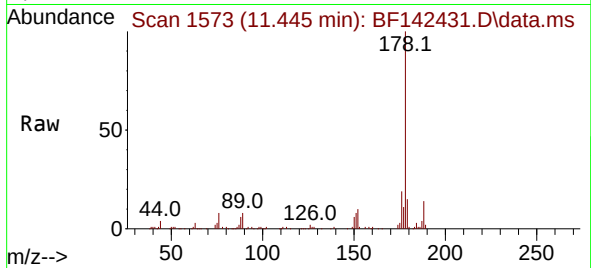




#71
Phenanthrene
Concen: 3.147 ng
RT: 11.445 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF142431.D
Acq: 16 May 2025 17:14

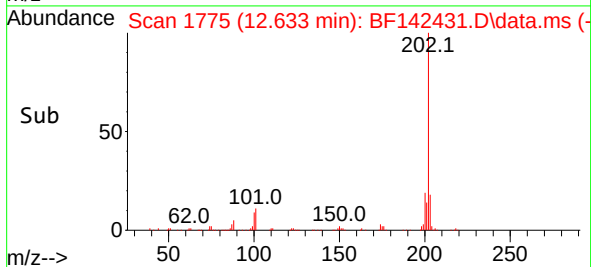
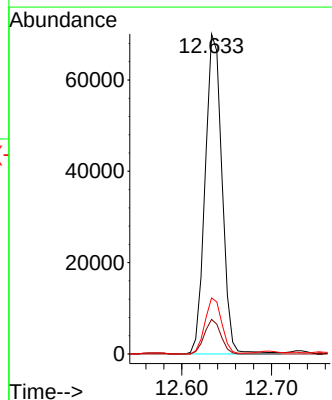
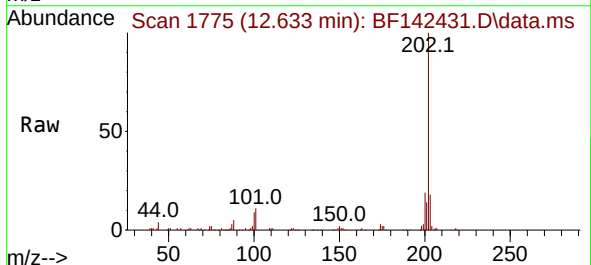
Instrument :
BNA_F
ClientSampleId :
L3-WC-2

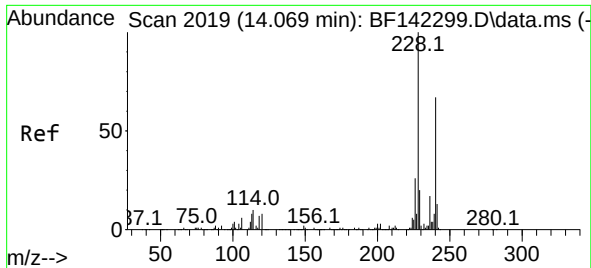
Tgt Ion:178 Resp: 66652
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 15.2 12.6 18.8



#75
Fluoranthene
Concen: 4.321 ng
RT: 12.633 min Scan# 1775
Delta R.T. -0.012 min
Lab File: BF142431.D
Acq: 16 May 2025 17:14

Tgt Ion:202 Resp: 91487
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.4
203 17.5 0.0 37.9

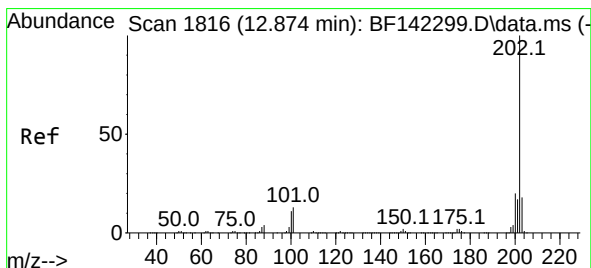
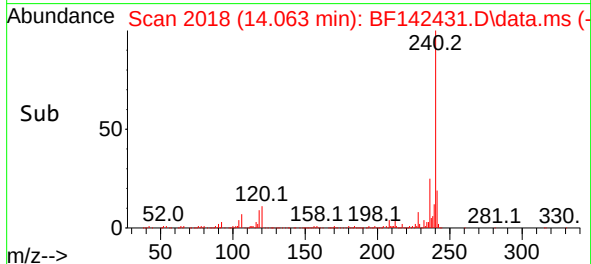
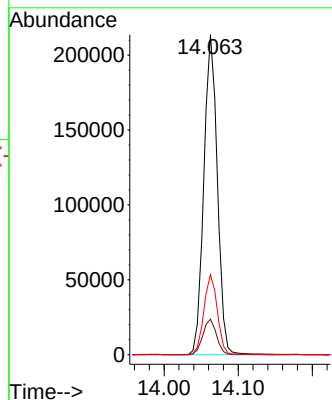
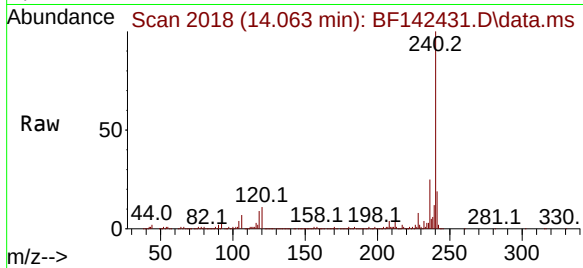




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142431.D
Acq: 16 May 2025 17:14

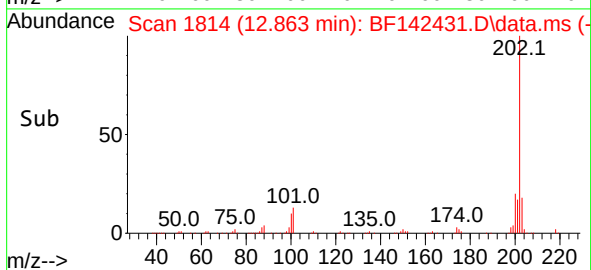
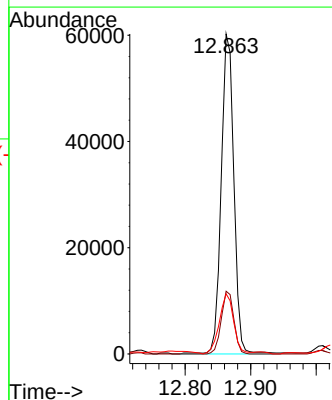
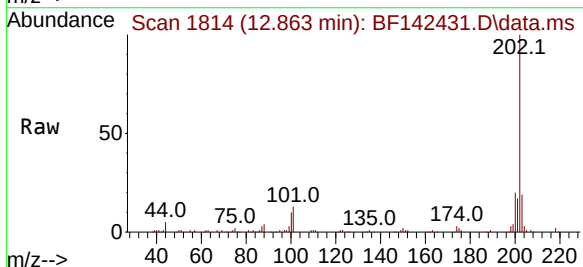
Instrument :
BNA_F
ClientSampleId :
L3-WC-2

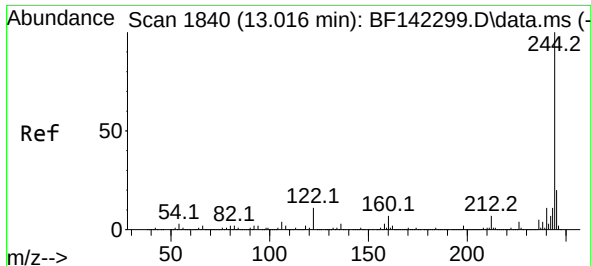
Tgt Ion:240 Resp: 272045
Ion Ratio Lower Upper
240 100
120 11.1 9.7 14.5
236 25.0 20.0 30.0



#78
Pyrene
Concen: 3.321 ng
RT: 12.863 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF142431.D
Acq: 16 May 2025 17:14

Tgt Ion:202 Resp: 80426
Ion Ratio Lower Upper
202 100
200 19.6 16.2 24.4
203 18.8 14.3 21.5

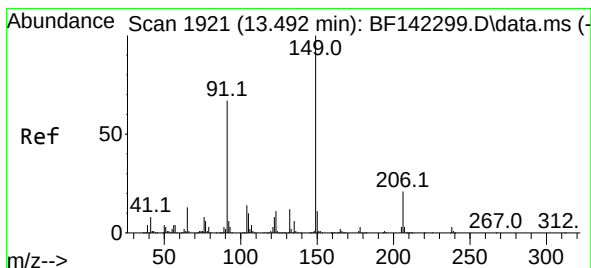
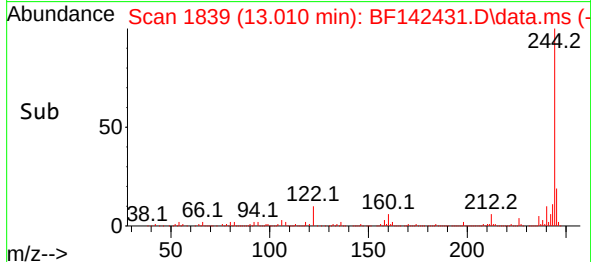
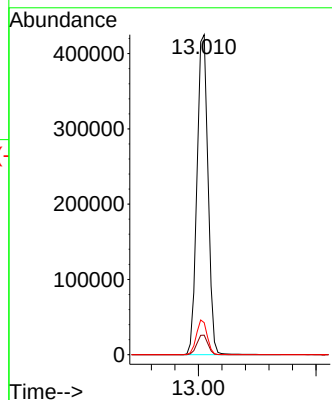
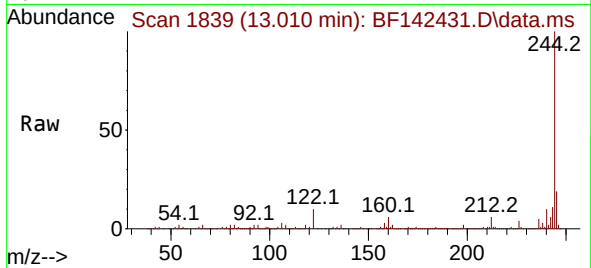




#79
 Terphenyl-d14
 Concen: 30.059 ng
 RT: 13.010 min Scan# 1840
 Delta R.T. -0.006 min
 Lab File: BF142431.D
 Acq: 16 May 2025 17:14

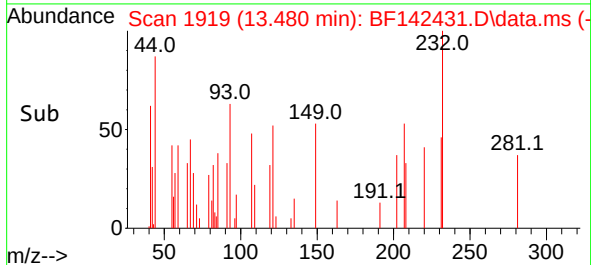
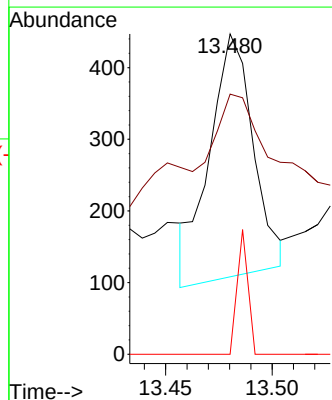
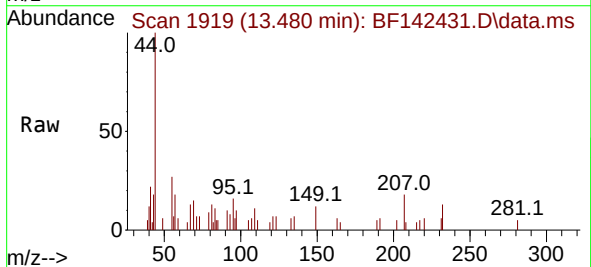
Instrument :
 BNA_F
 ClientSampleId :
 L3-WC-2

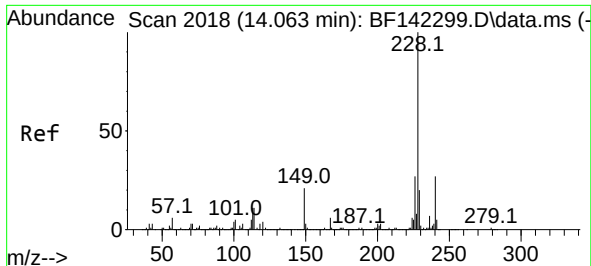
Tgt Ion:244 Resp: 552495
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.4 8.2
 122 10.0 9.0 13.4



#80
 Butylbenzylphthalate
 Concen: 3.723 ng
 RT: 13.480 min Scan# 1919
 Delta R.T. -0.012 min
 Lab File: BF142431.D
 Acq: 16 May 2025 17:14

Tgt Ion:149 Resp: 485
 Ion Ratio Lower Upper
 149 100
 91 81.2 53.8 80.6#
 206 0.0 16.6 24.8#

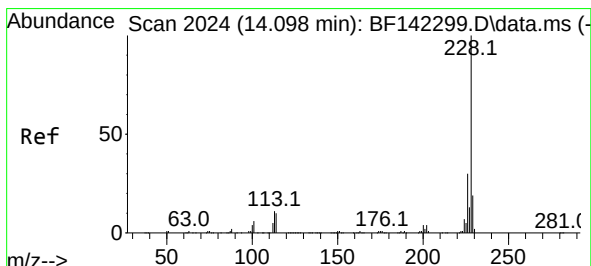
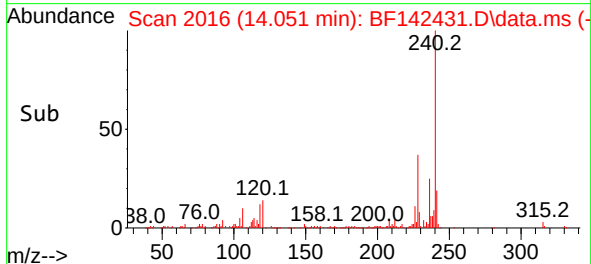
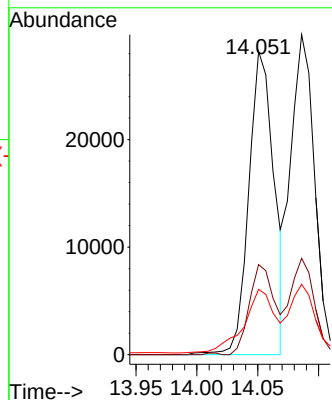
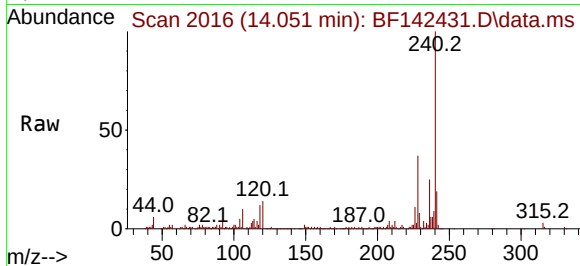




#81
Benzo(a)anthracene
Concen: 2.310 ng
RT: 14.051 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142431.D
Acq: 16 May 2025 17:14

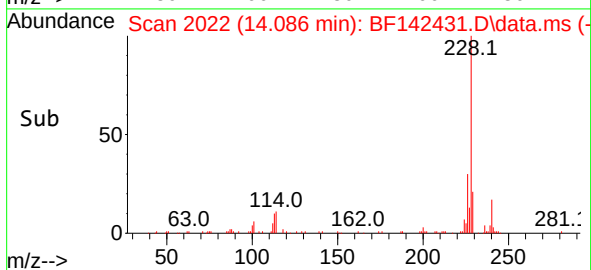
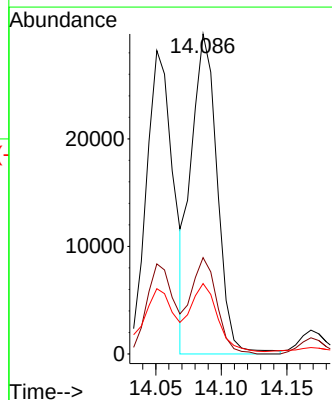
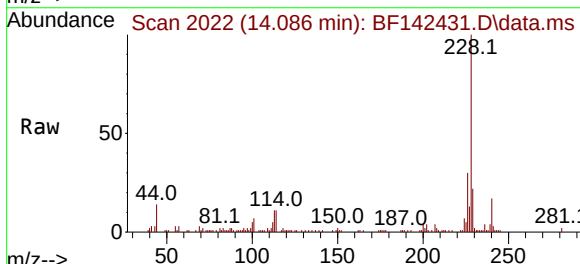
Instrument :
BNA_F
ClientSampleId :
L3-WC-2

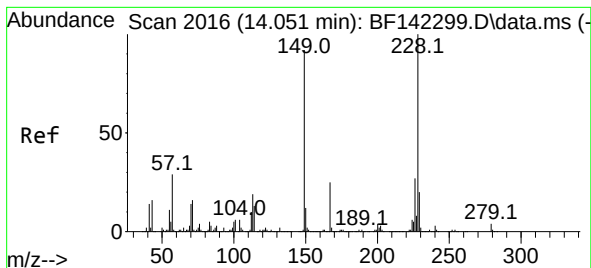
Tgt Ion:228 Resp: 40701
Ion Ratio Lower Upper
228 100
226 29.7 21.5 32.3
229 21.5 15.9 23.9



#83
Chrysene
Concen: 2.502 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF142431.D
Acq: 16 May 2025 17:14

Tgt Ion:228 Resp: 41032
Ion Ratio Lower Upper
228 100
226 30.1 23.9 35.9
229 22.0 15.4 23.2





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.627 ng

RT: 14.045 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF142431.D

Acq: 16 May 2025 17:14

Instrument :

BNA_F

ClientSampleId :

L3-WC-2

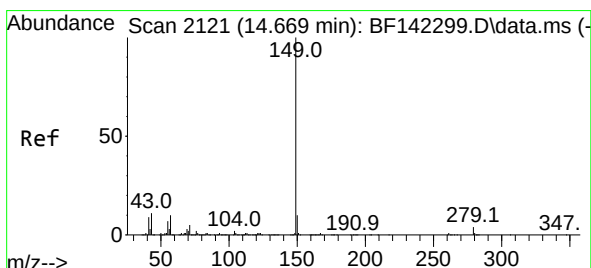
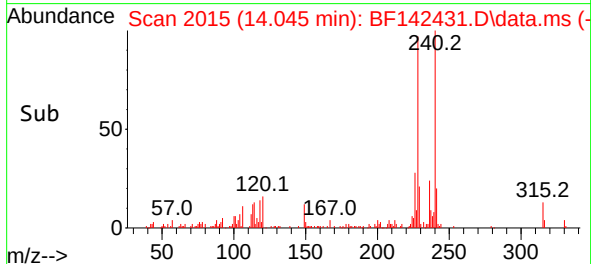
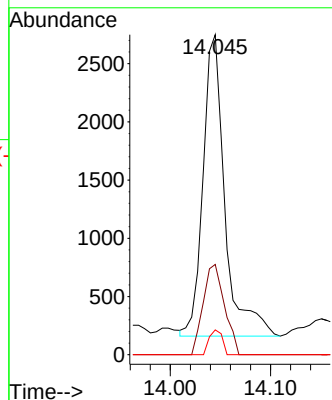
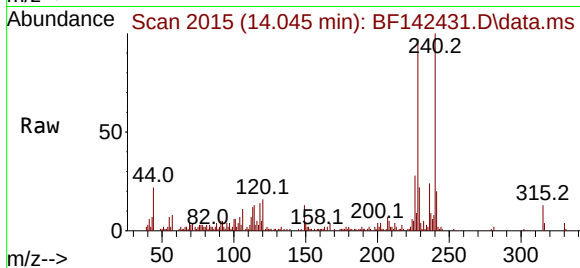
Tgt Ion:149 Resp: 3934

Ion Ratio Lower Upper

149 100

167 28.2 22.0 33.0

279 7.7 3.0 4.6#



#85

Di-n-octyl phthalate

Concen: 7.913 ng

RT: 14.692 min Scan# 2125

Delta R.T. 0.023 min

Lab File: BF142431.D

Acq: 16 May 2025 17:14

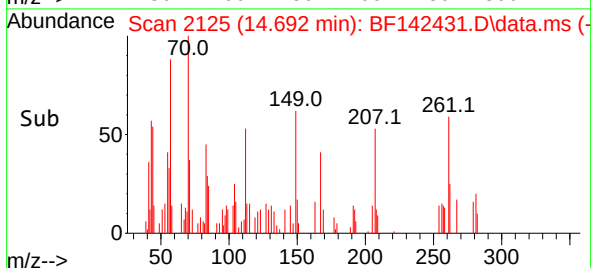
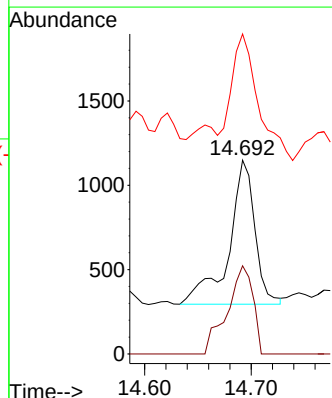
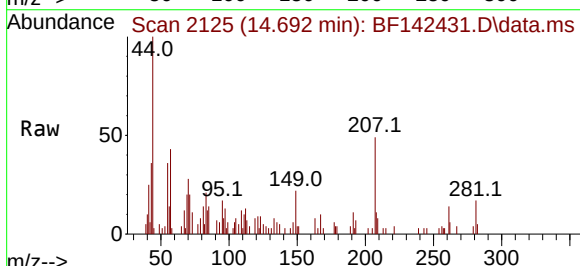
Tgt Ion:149 Resp: 1453

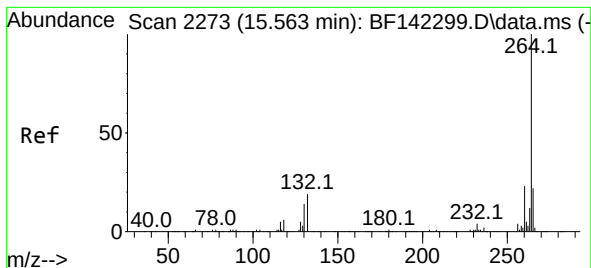
Ion Ratio Lower Upper

149 100

167 60.1 1.1 1.7#

43 92.4 9.2 13.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF142431.D

Acq: 16 May 2025 17:14

Instrument :

BNA_F

ClientSampleId :

L3-WC-2

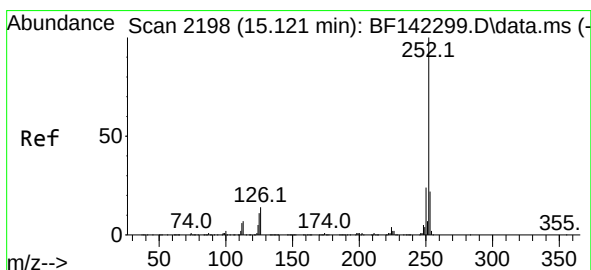
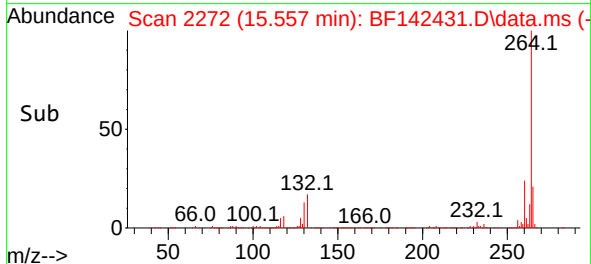
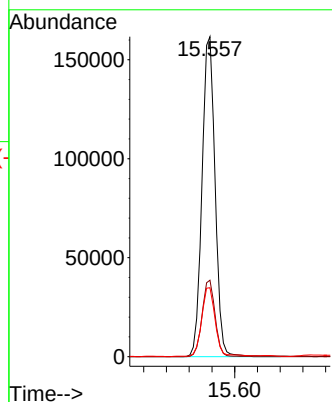
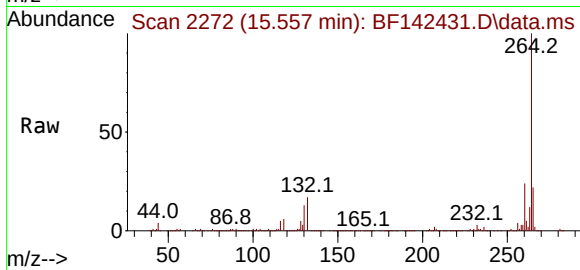
Tgt Ion:264 Resp: 258273

Ion Ratio Lower Upper

264 100

260 23.9 18.6 27.8

265 21.6 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 4.394 ng

RT: 15.115 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF142431.D

Acq: 16 May 2025 17:14

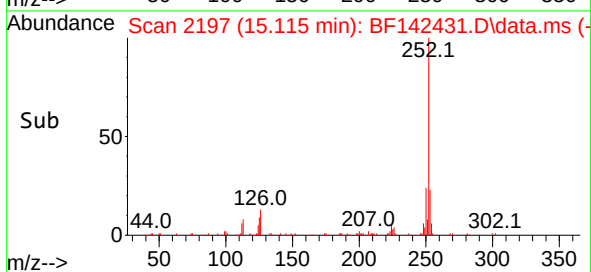
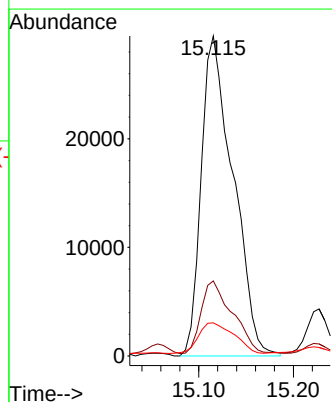
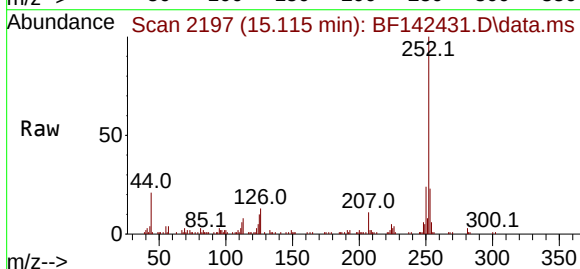
Tgt Ion:252 Resp: 68731

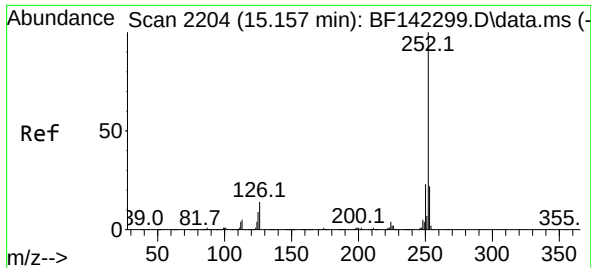
Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

125 10.4 8.7 13.1

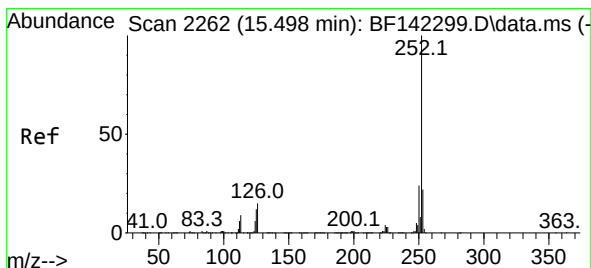
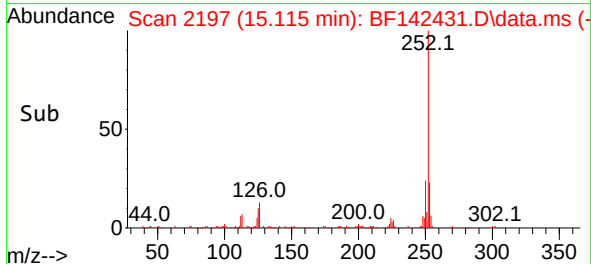
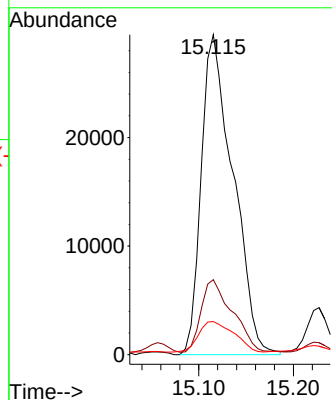
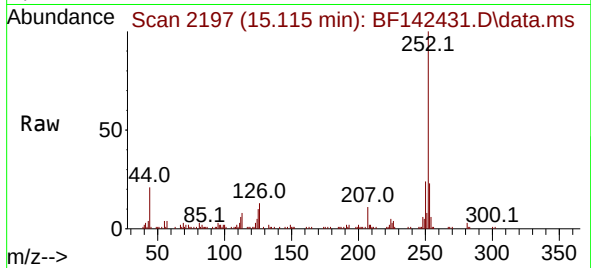




#89
Benzo(k)fluoranthene
Concen: 4.801 ng
RT: 15.115 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF142431.D
Acq: 16 May 2025 17:14

Instrument :
BNA_F
ClientSampleId :
L3-WC-2

Tgt Ion:252 Resp: 68731
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 10.4 8.1 12.1



#90
Benzo(a)pyrene
Concen: 2.244 ng
RT: 15.486 min Scan# 2260
Delta R.T. -0.012 min
Lab File: BF142431.D
Acq: 16 May 2025 17:14

Tgt Ion:252 Resp: 31453
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 12.6 9.4 14.0

