

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022125\
 Data File : BF141728.D
 Acq On : 21 Feb 2025 19:13
 Operator : RC/JU
 Sample : Q1398-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BUS-DISCONNECT

Quant Time: Feb 21 21:50:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

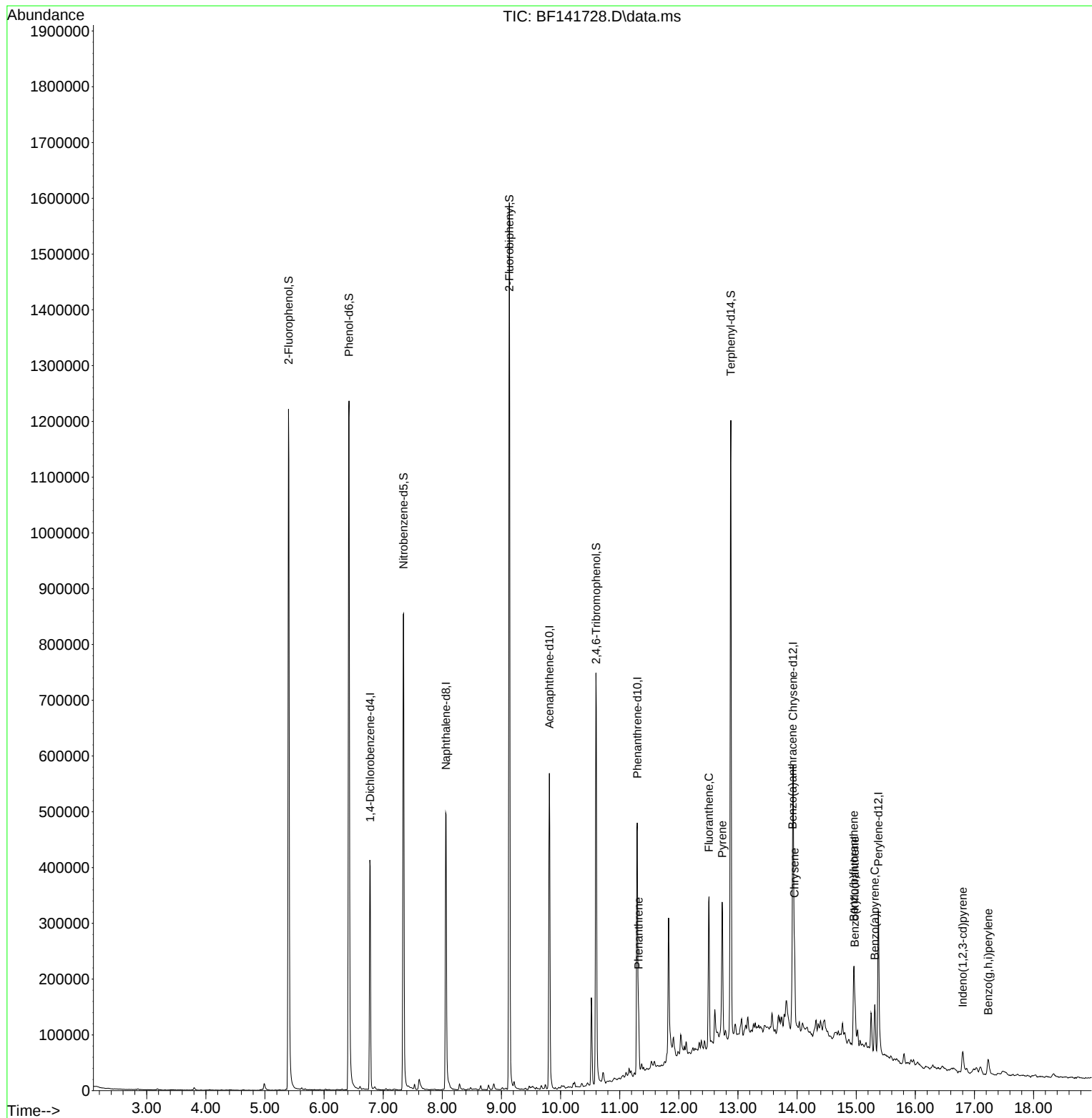
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	88206	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	354951	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	175219	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	247396	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	185643	20.000	ng	-0.03
86) Perylene-d12	15.374	264	147950	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	486037	86.387	ng	-0.01
7) Phenol-d6	6.422	99	605799	85.190	ng	-0.02
23) Nitrobenzene-d5	7.345	82	406231	59.694	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	125982	71.574	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	707202	62.182	ng	-0.02
79) Terphenyl-d14	12.880	244	554679	50.441	ng	-0.02
Target Compounds						
						Qvalue
71) Phenanthrene	11.322	178	55389	4.067	ng	99
75) Fluoranthene	12.510	202	163898	11.352	ng	99
78) Pyrene	12.733	202	143811	9.100	ng	99
81) Benzo(a)anthracene	13.921	228	75090	6.085	ng	98
83) Chrysene	13.957	228	78123	6.856	ng	98
87) Indeno(1,2,3-cd)pyrene	16.804	276	26503	2.899	ng	98
88) Benzo(b)fluoranthene	14.963	252	84468m	8.503	ng	
89) Benzo(k)fluoranthene	14.974	252	34974m	4.123	ng	
90) Benzo(a)pyrene	15.315	252	49479	6.155	ng	# 96
92) Benzo(g,h,i)perylene	17.233	276	27874	3.596	ng	97

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

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ALS Vial : 21 Sample Multiplier: 1

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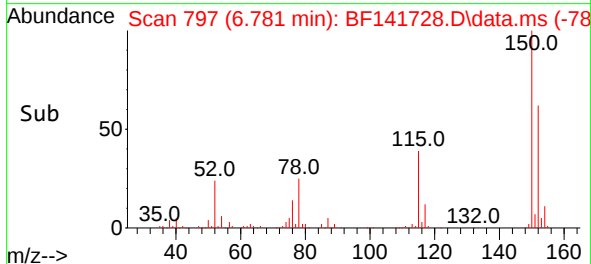
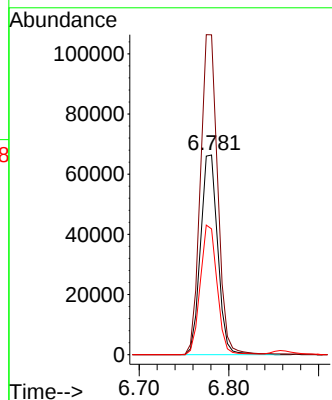
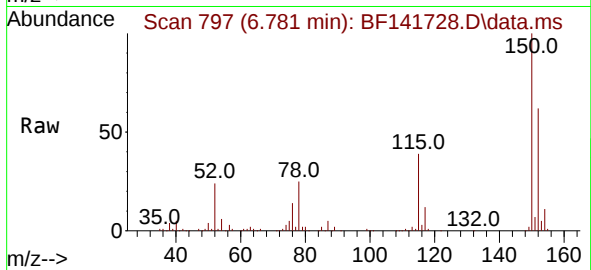




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141728.D
Acq: 21 Feb 2025 19:13

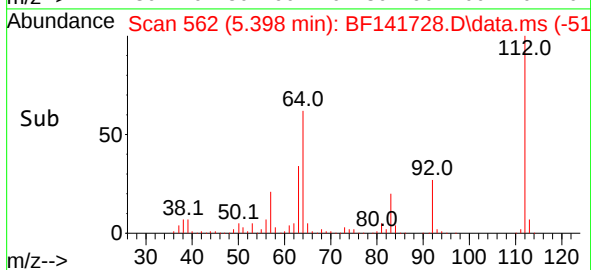
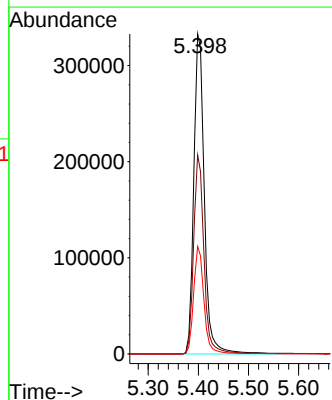
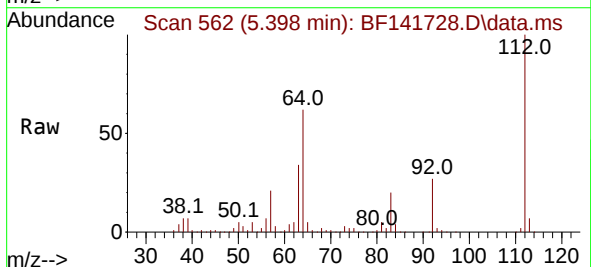
Instrument :
BNA_F
ClientSampleId :
BUS-DISCONNECT

Tgt Ion:152 Resp: 88206
Ion Ratio Lower Upper
152 100
150 160.2 125.0 187.4
115 63.0 53.6 80.4



#5
2-Fluorophenol
Concen: 86.387 ng
RT: 5.398 min Scan# 562
Delta R.T. -0.012 min
Lab File: BF141728.D
Acq: 21 Feb 2025 19:13

Tgt Ion:112 Resp: 486037
Ion Ratio Lower Upper
112 100
64 62.2 51.1 76.7
63 33.6 28.4 42.6

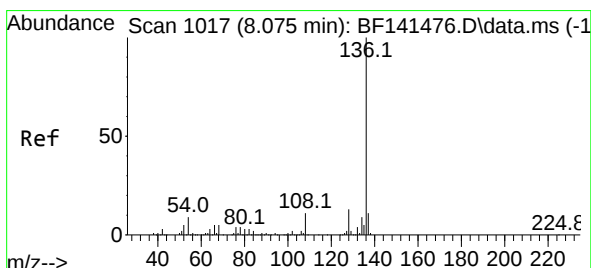
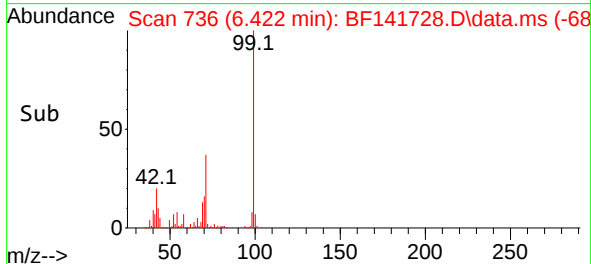
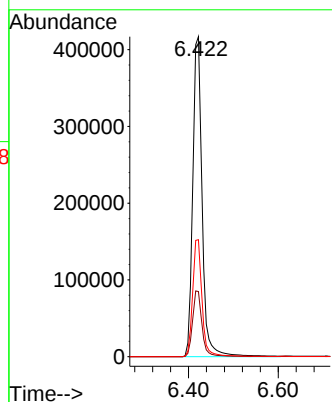
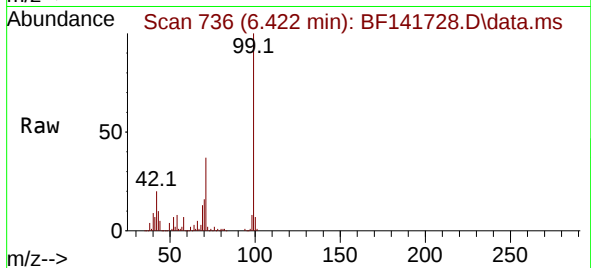




#7
Phenol-d6
Concen: 85.190 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141728.D
Acq: 21 Feb 2025 19:13

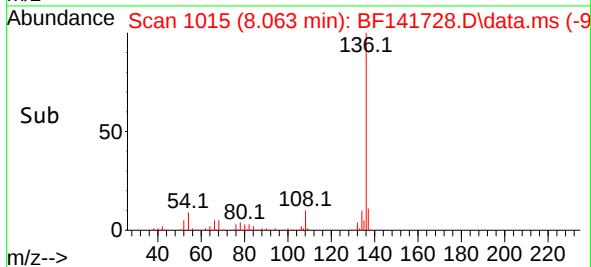
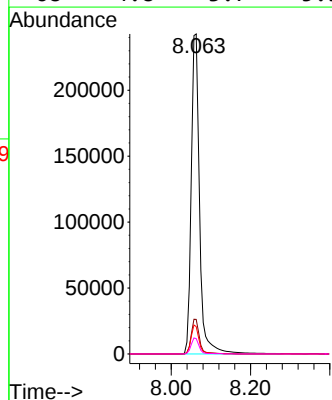
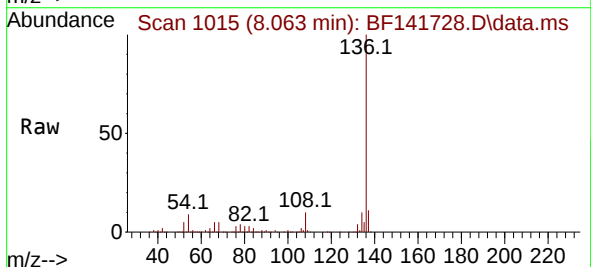
Instrument :
BNA_F
ClientSampleId :
BUS-DISCONNECT

Tgt Ion: 99 Resp: 605799
Ion Ratio Lower Upper
99 100
42 20.4 19.1 28.7
71 36.5 31.1 46.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141728.D
Acq: 21 Feb 2025 19:13

Tgt Ion: 136 Resp: 354951
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.6 7.2 10.8
68 4.8 3.7 5.5





#23

Nitrobenzene-d5

Concen: 59.694 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF141728.D

Acq: 21 Feb 2025 19:13

Instrument :

BNA_F

ClientSampleId :

BUS-DISCONNECT

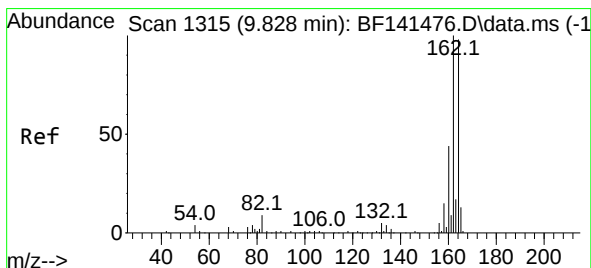
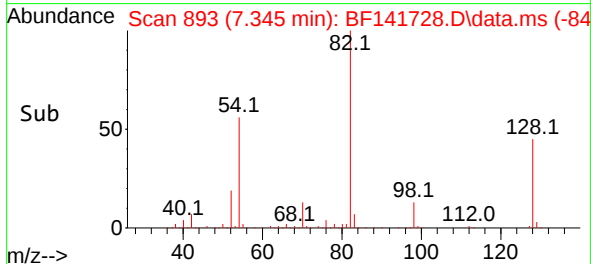
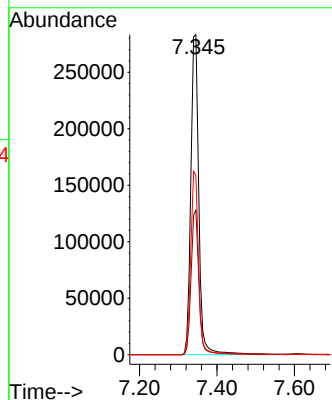
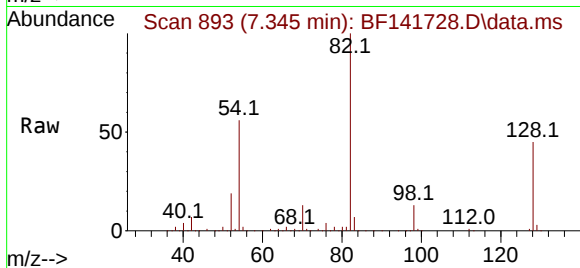
Tgt Ion: 82 Resp: 406231

Ion Ratio Lower Upper

82 100

128 45.1 34.8 52.2

54 56.0 48.2 72.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.810 min Scan# 1312

Delta R.T. -0.023 min

Lab File: BF141728.D

Acq: 21 Feb 2025 19:13

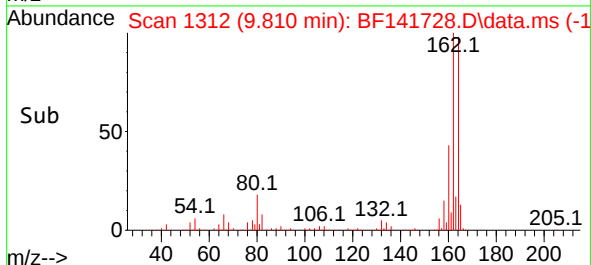
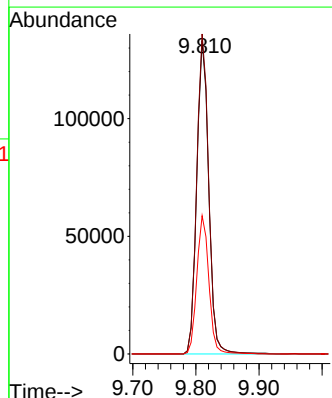
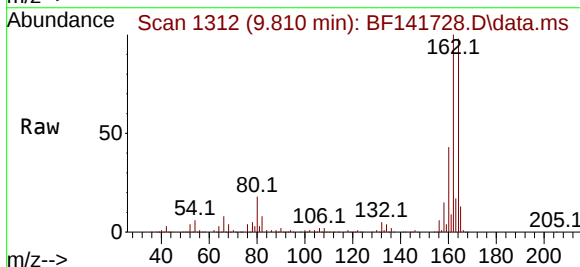
Tgt Ion:164 Resp: 175219

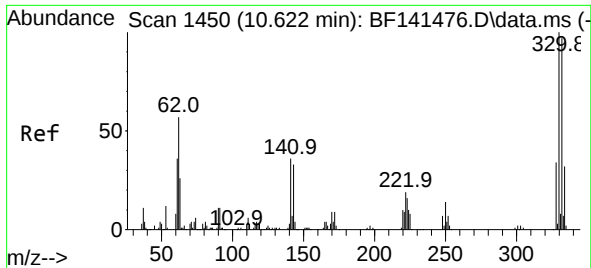
Ion Ratio Lower Upper

164 100

162 102.1 81.3 121.9

160 44.1 35.9 53.9

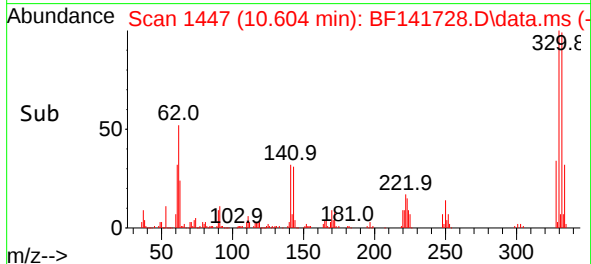
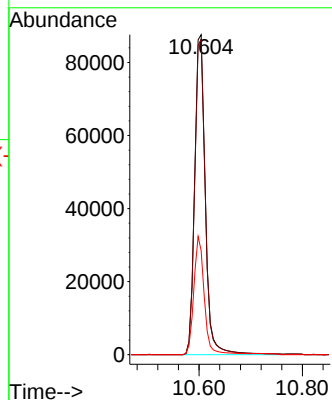
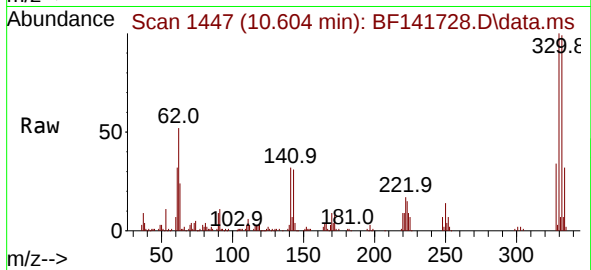




#42
2,4,6-Tribromophenol
Concen: 71.574 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.023 min
Lab File: BF141728.D
Acq: 21 Feb 2025 19:13

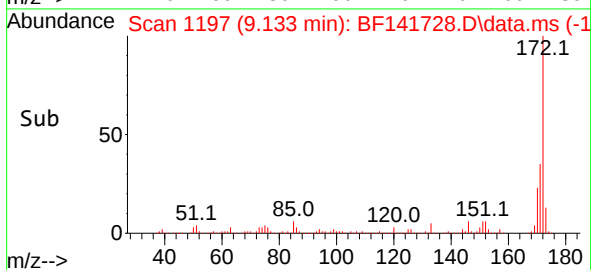
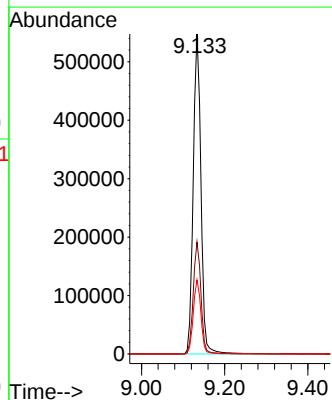
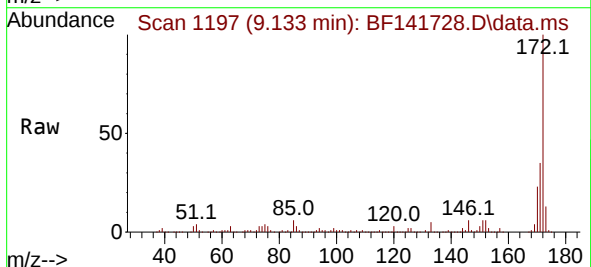
Instrument :
BNA_F
ClientSampleId :
BUS-DISCONNECT

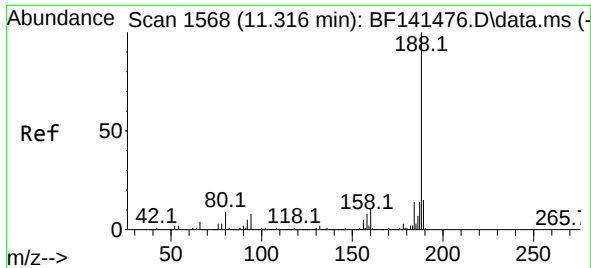
Tgt Ion: 330 Resp: 125982
Ion Ratio Lower Upper
330 100
332 98.2 78.5 117.7
141 36.2 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 62.182 ng
RT: 9.133 min Scan# 1197
Delta R.T. -0.018 min
Lab File: BF141728.D
Acq: 21 Feb 2025 19:13

Tgt Ion: 172 Resp: 707202
Ion Ratio Lower Upper
172 100
171 35.0 28.7 43.1
170 23.2 18.9 28.3

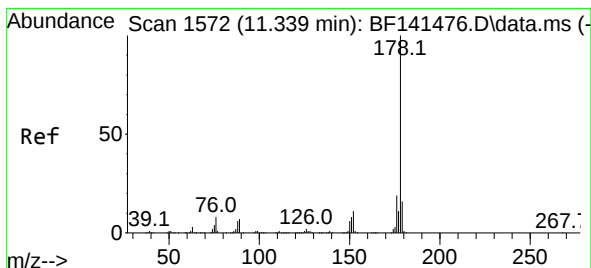
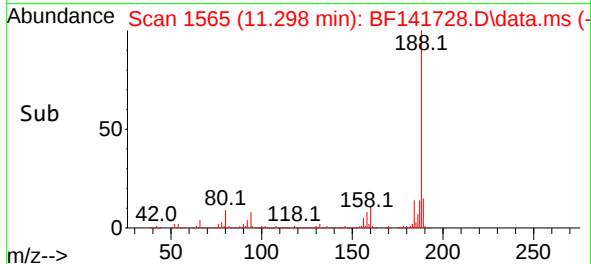
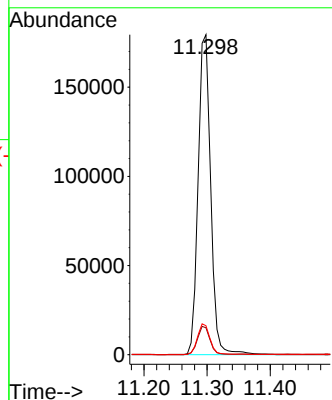
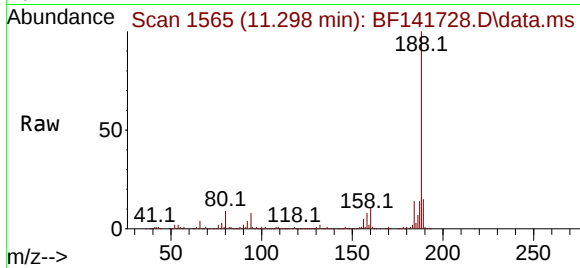




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141728.D
Acq: 21 Feb 2025 19:13

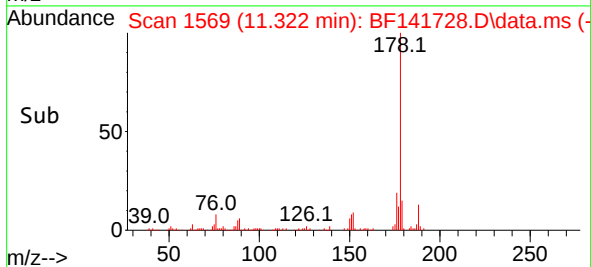
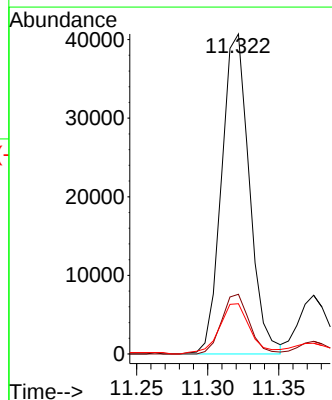
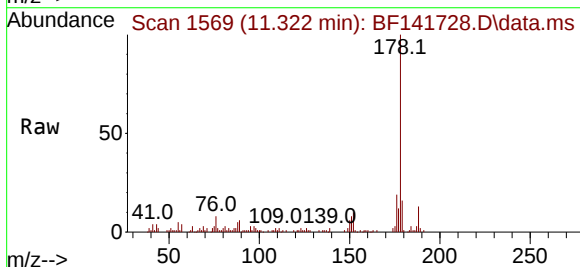
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ClientSampleId :
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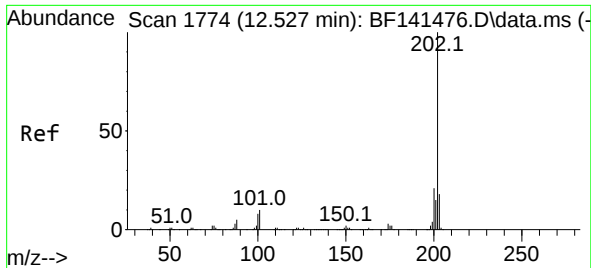
Tgt Ion:188 Resp: 247396
Ion Ratio Lower Upper
188 100
94 8.4 6.6 10.0
80 9.0 7.3 10.9



#71
Phenanthrene
Concen: 4.067 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.023 min
Lab File: BF141728.D
Acq: 21 Feb 2025 19:13

Tgt Ion:178 Resp: 55389
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 15.7 12.4 18.6

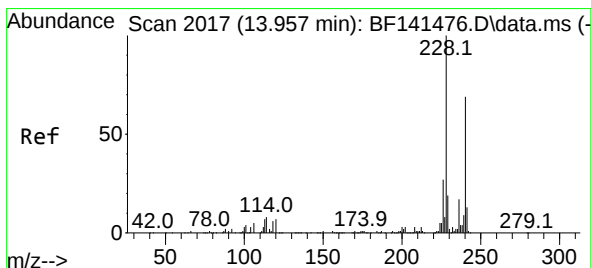
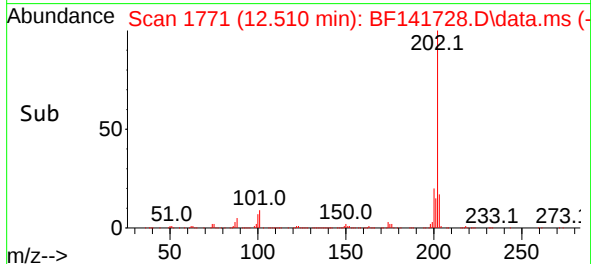
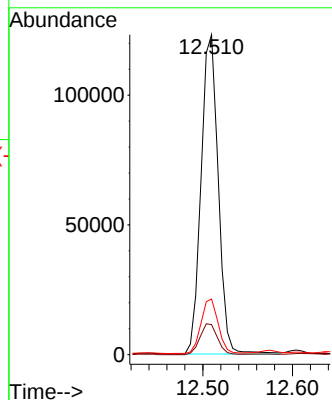
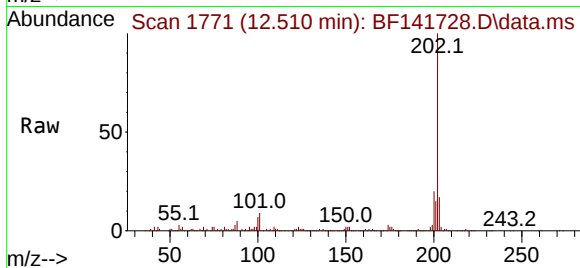




#75
Fluoranthene
Concen: 11.352 ng
RT: 12.510 min Scan# 11
Delta R.T. -0.023 min
Lab File: BF141728.D
Acq: 21 Feb 2025 19:13

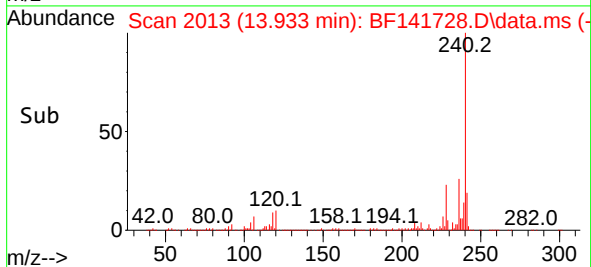
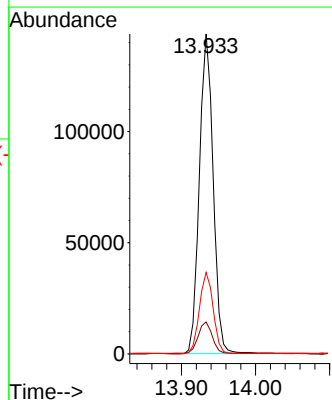
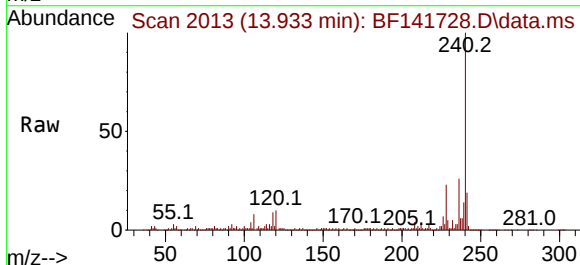
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BNA_F
ClientSampleId :
BUS-DISCONNECT

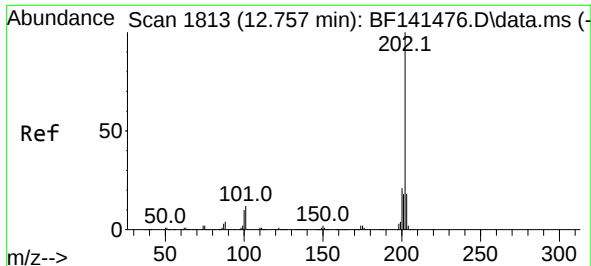
Tgt Ion:202 Resp: 163898
Ion Ratio Lower Upper
202 100
101 9.4 0.0 30.2
203 17.4 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.029 min
Lab File: BF141728.D
Acq: 21 Feb 2025 19:13

Tgt Ion:240 Resp: 185643
Ion Ratio Lower Upper
240 100
120 10.0 8.0 12.0
236 25.5 19.8 29.8

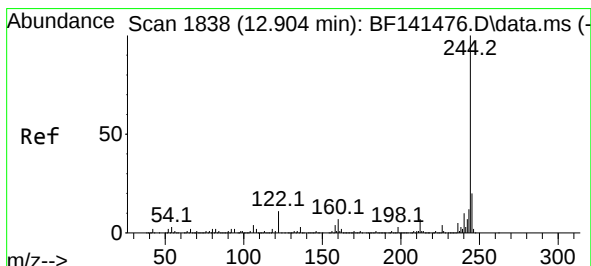
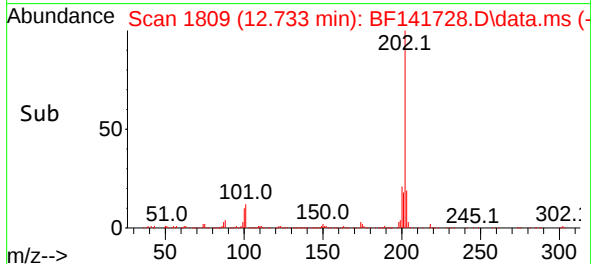
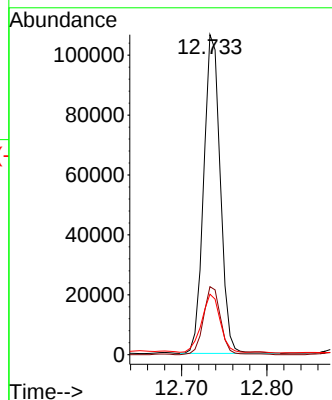
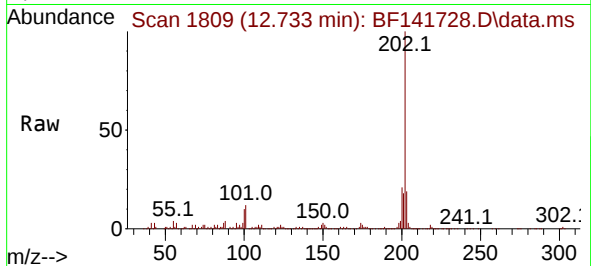




#78
 Pyrene
 Concen: 9.100 ng
 RT: 12.733 min Scan# 1809
 Delta R.T. -0.029 min
 Lab File: BF141728.D
 Acq: 21 Feb 2025 19:13

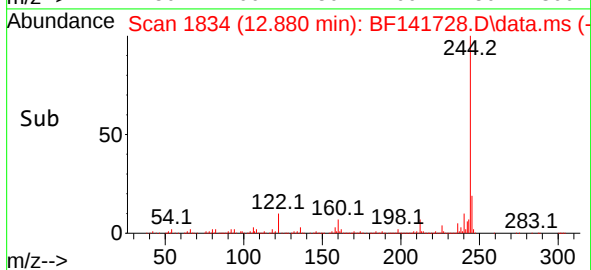
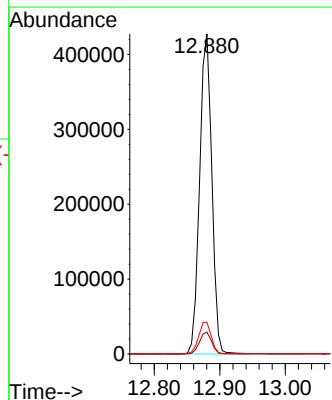
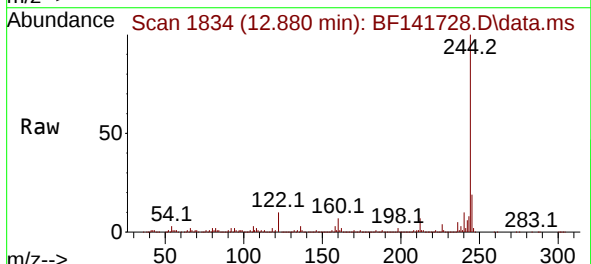
Instrument :
 BNA_F
 ClientSampleId :
 BUS-DISCONNECT

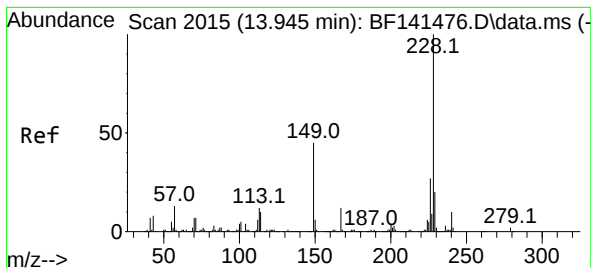
Tgt Ion:202 Resp: 143811
 Ion Ratio Lower Upper
 202 100
 200 21.3 17.0 25.4
 203 18.9 14.3 21.5



#79
 Terphenyl-d14
 Concen: 50.441 ng
 RT: 12.880 min Scan# 1834
 Delta R.T. -0.023 min
 Lab File: BF141728.D
 Acq: 21 Feb 2025 19:13

Tgt Ion:244 Resp: 554679
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 9.9 8.4 12.6





#81

Benzo(a)anthracene

Concen: 6.085 ng

RT: 13.921 min Scan# 2011

Delta R.T. -0.029 min

Lab File: BF141728.D

Acq: 21 Feb 2025 19:13

Instrument :

BNA_F

ClientSampleId :

BUS-DISCONNECT

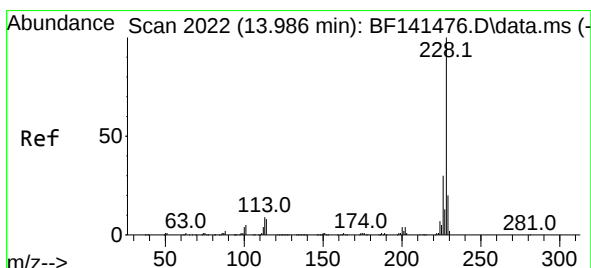
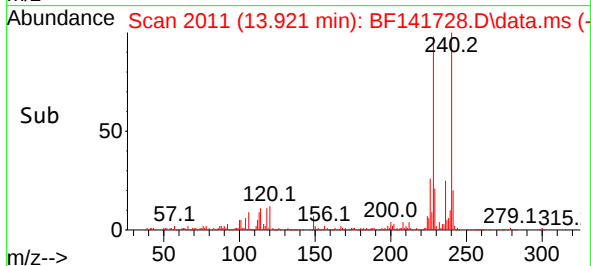
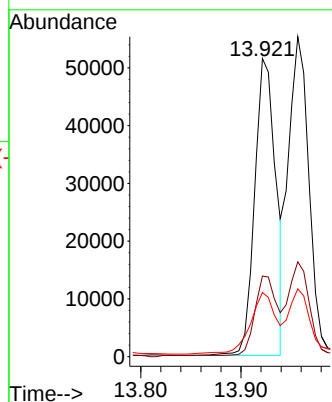
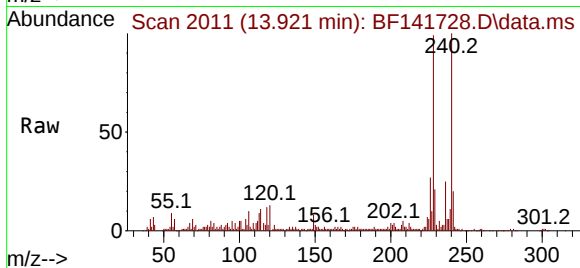
Tgt Ion:228 Resp: 75090

Ion Ratio Lower Upper

228 100

226 27.0 21.8 32.8

229 21.5 15.8 23.6



#83

Chrysene

Concen: 6.856 ng

RT: 13.957 min Scan# 2017

Delta R.T. -0.035 min

Lab File: BF141728.D

Acq: 21 Feb 2025 19:13

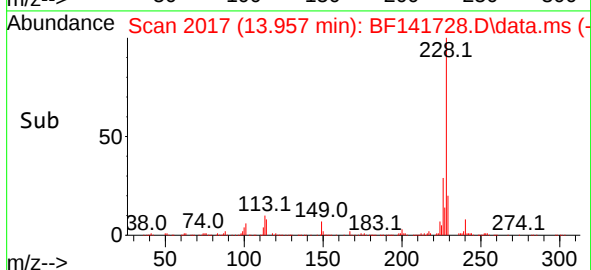
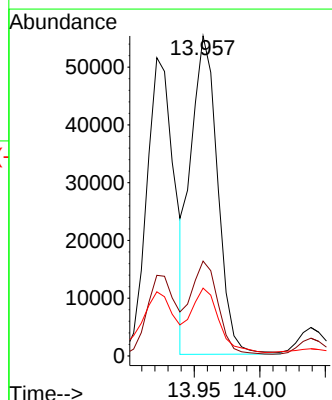
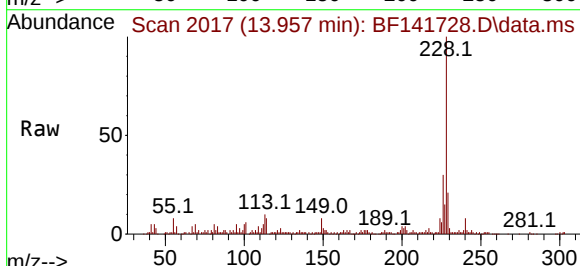
Tgt Ion:228 Resp: 78123

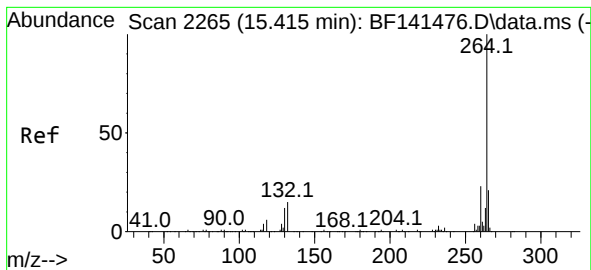
Ion Ratio Lower Upper

228 100

226 29.7 24.0 36.0

229 21.2 15.7 23.5

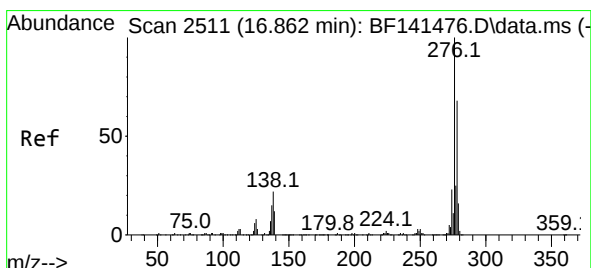
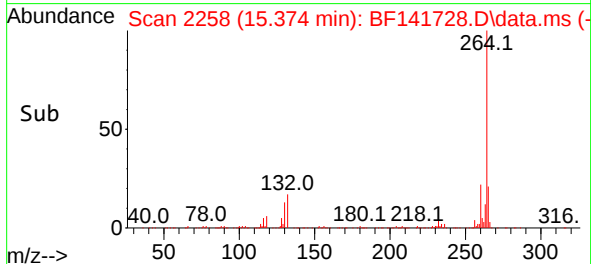
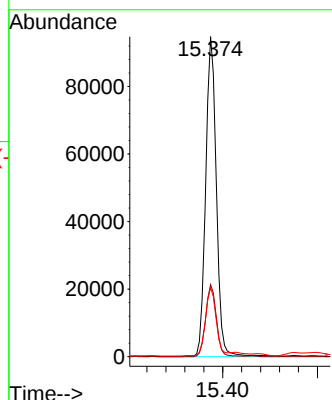
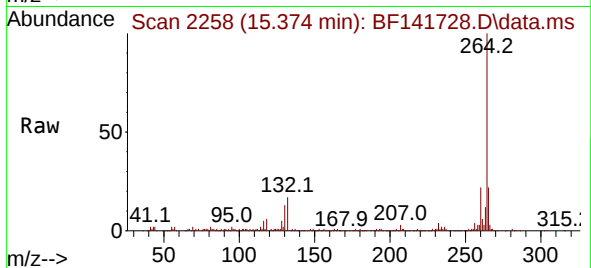




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.374 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF141728.D
Acq: 21 Feb 2025 19:13

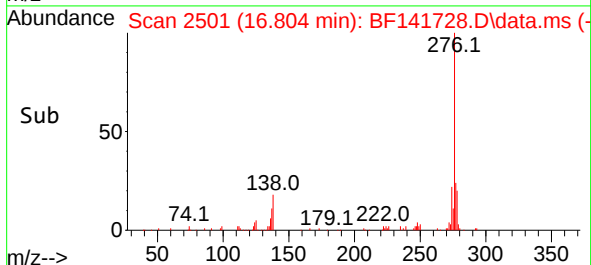
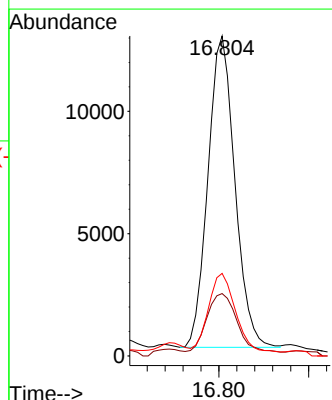
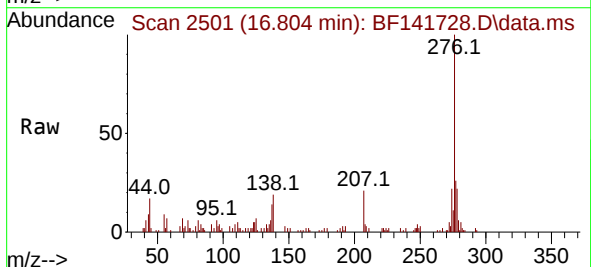
Instrument :
BNA_F
ClientSampleId :
BUS-DISCONNECT

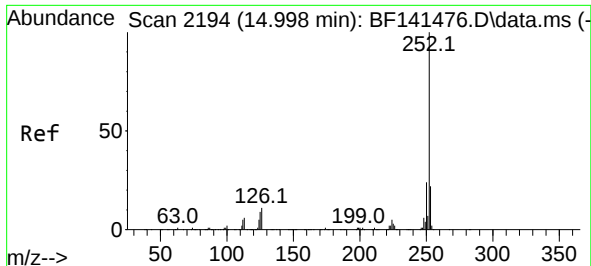
Tgt Ion:264 Resp: 147950
Ion Ratio Lower Upper
264 100
260 22.5 18.6 28.0
265 21.6 17.0 25.4



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.899 ng
RT: 16.804 min Scan# 2501
Delta R.T. -0.070 min
Lab File: BF141728.D
Acq: 21 Feb 2025 19:13

Tgt Ion:276 Resp: 26503
Ion Ratio Lower Upper
276 100
138 22.5 18.0 27.0
277 27.8 20.4 30.6

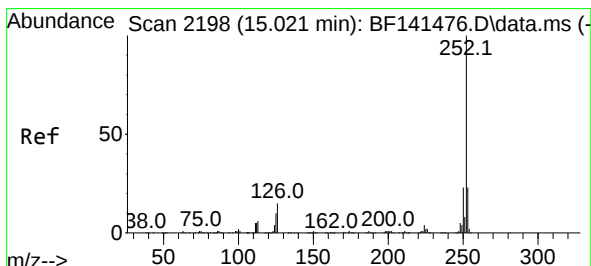
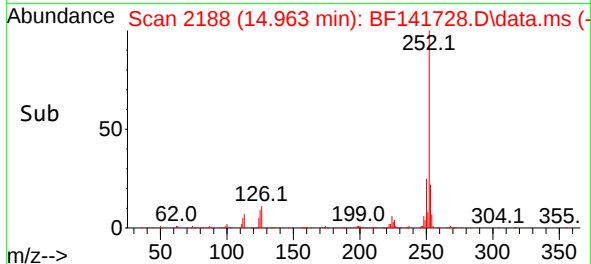
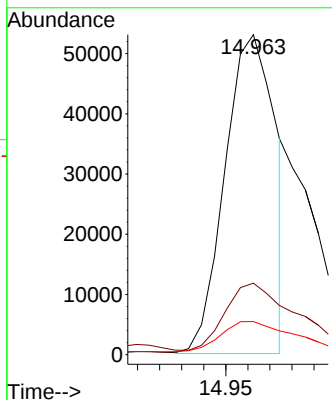
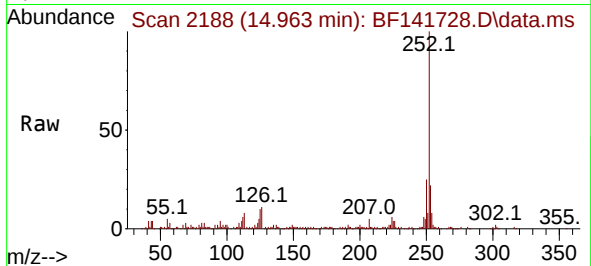




#88
Benzo(b)fluoranthene
Concen: 8.503 ng m
RT: 14.963 min Scan# 2190
Delta R.T. -0.041 min
Lab File: BF141728.D
Acq: 21 Feb 2025 19:13

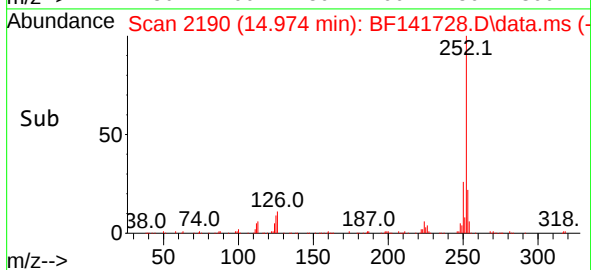
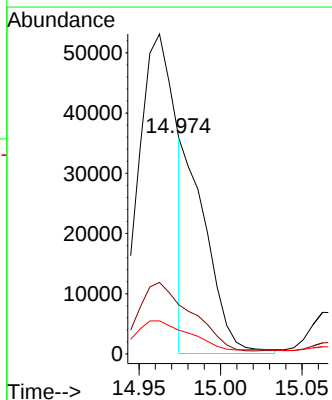
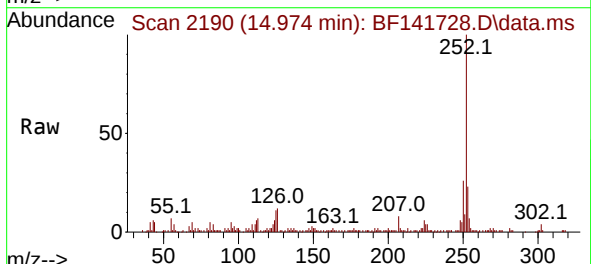
Instrument :
BNA_F
ClientSampleId :
BUS-DISCONNECT

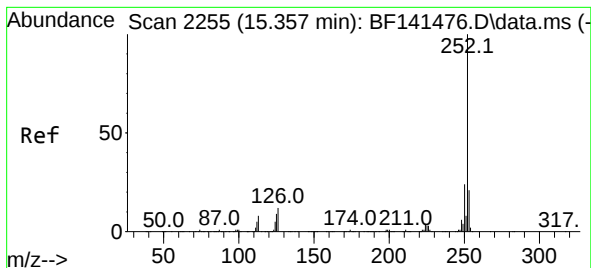
Tgt Ion:252 Resp: 84468
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 10.4 7.0 10.6



#89
Benzo(k)fluoranthene
Concen: 4.123 ng m
RT: 14.974 min Scan# 2190
Delta R.T. -0.059 min
Lab File: BF141728.D
Acq: 21 Feb 2025 19:13

Tgt Ion:252 Resp: 34974
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 11.0 7.4 11.0





#90

Benzo(a)pyrene

Concen: 6.155 ng

RT: 15.315 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF141728.D

Acq: 21 Feb 2025 19:13

Instrument :

BNA_F

ClientSampleId :

BUS-DISCONNECT

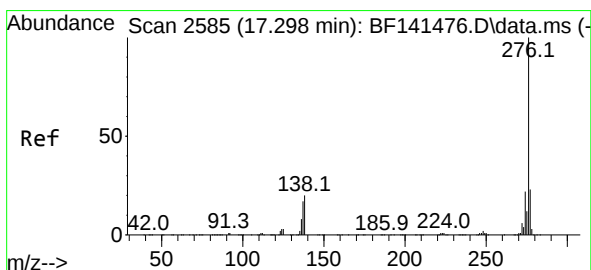
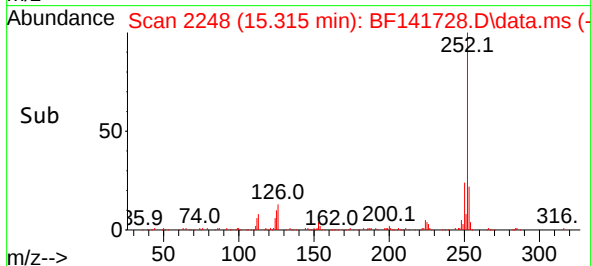
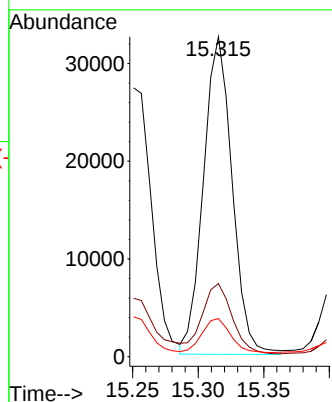
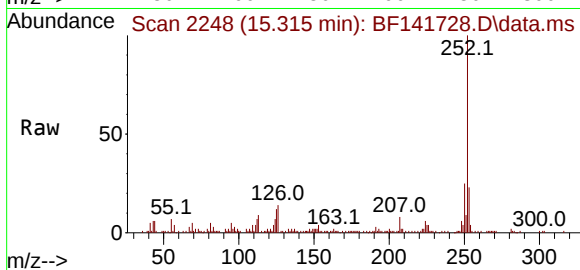
Tgt Ion:252 Resp: 49479

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

125 11.9 7.4 11.2#



#92

Benzo(g,h,i)perylene

Concen: 3.596 ng

RT: 17.233 min Scan# 2574

Delta R.T. -0.082 min

Lab File: BF141728.D

Acq: 21 Feb 2025 19:13

Tgt Ion:276 Resp: 27874

Ion Ratio Lower Upper

276 100

277 24.7 18.6 28.0

138 21.5 15.9 23.9

