

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

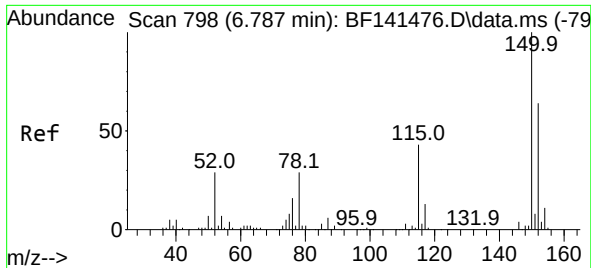
Instrument :
 BNA_F
 ClientSampleId :
 BUS-DISCONNECT

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
19) n-Nitroso-di-n-propyla...	7.345	70	53622	12.606	ng	# 72
25) Isophorone	7.345	82	394695	36.375	ng	# 66
50) Dimethylphthalate	9.810	163	24150	2.030	ng	# 1
51) 2,6-Dinitrotoluene	9.810	165	22579	8.683	ng	# 23
57) 2,4-Dinitrotoluene	9.810	165	22579	6.522	ng	# 19
63) Azobenzene	10.522	77	40073	3.444	ng	# 1
67) 4-Bromophenyl-phenylether	10.598	248	8492	3.071	ng	# 1
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	118175	11.896	ng	98
89) Benzo(k)fluoranthene	14.963	252	118175	13.931	ng	99
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

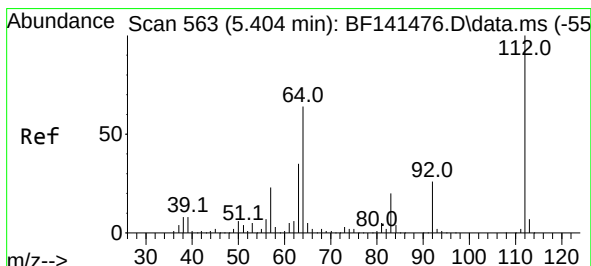
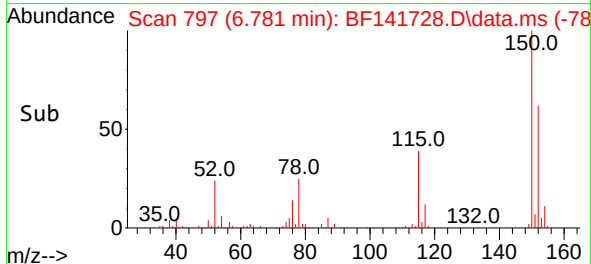
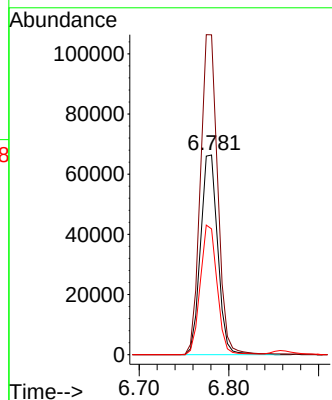
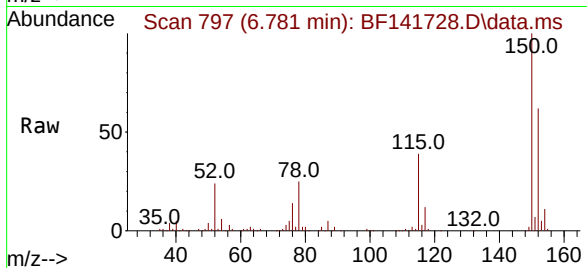
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#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

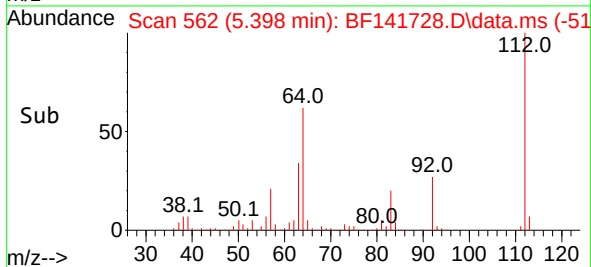
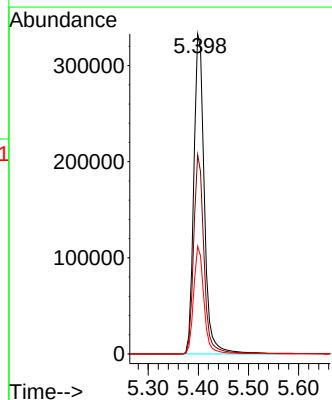
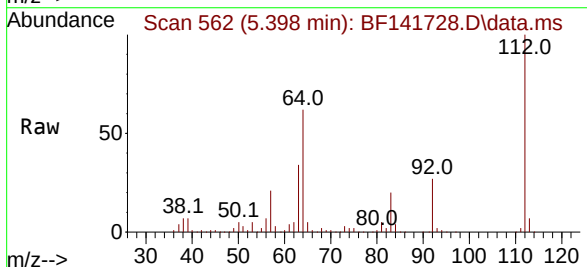
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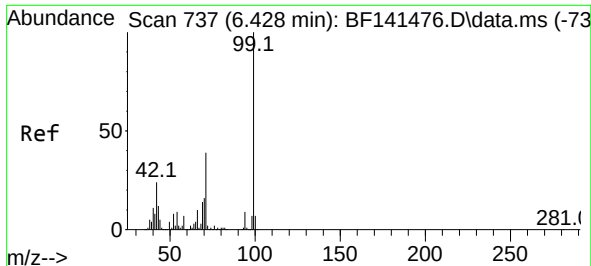
Tgt Ion:152 Resp: 88206
 Ion Ratio Lower Upper
 152 100
 150 160.2 125.0 187.4
 115 63.0 53.6 80.4



#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

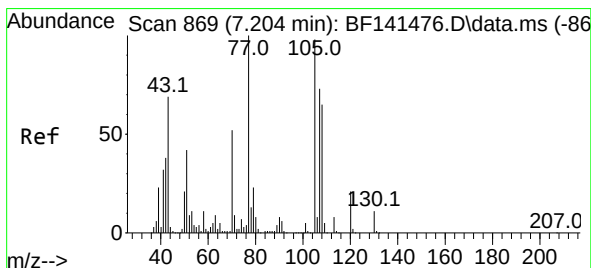
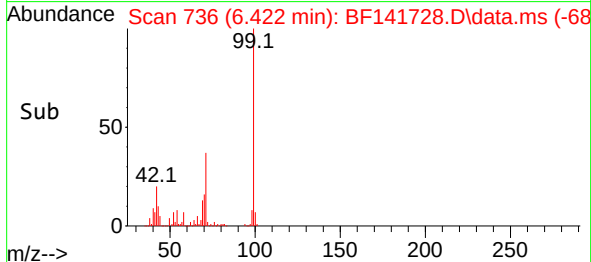
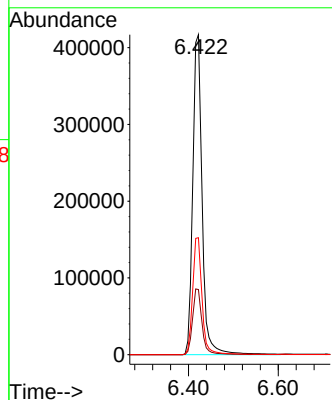
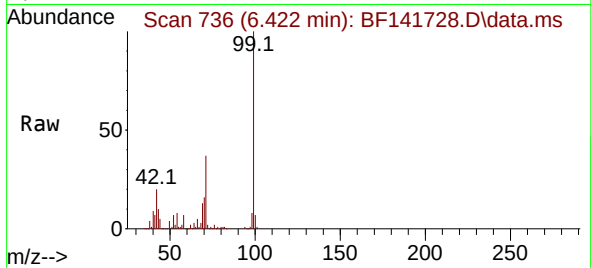




#7
Phenol-d6
Concen: 85.190 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141728.D
Acq: 21 Feb 2025 19:13

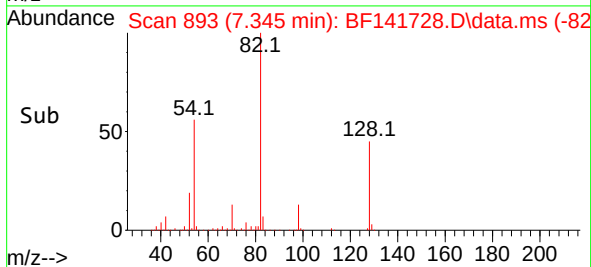
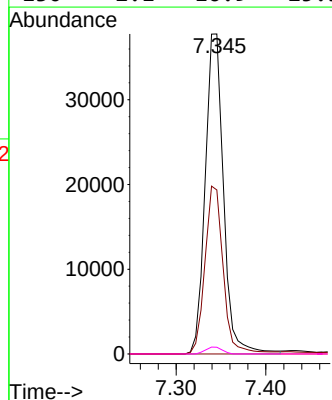
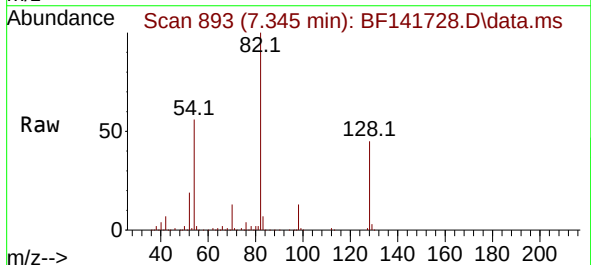
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ClientSampleId :
BUS-DISCONNECT

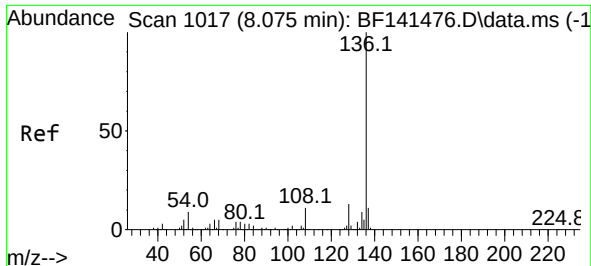
Tgt Ion: 99 Resp: 605799
Ion Ratio Lower Upper
99 100
42 20.4 19.1 28.7
71 36.5 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.606 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141728.D
Acq: 21 Feb 2025 19:13

Tgt Ion: 70 Resp: 53622
Ion Ratio Lower Upper
70 100
42 51.3 57.4 86.2#
101 0.0 8.0 12.0#
130 2.1 16.9 25.3#

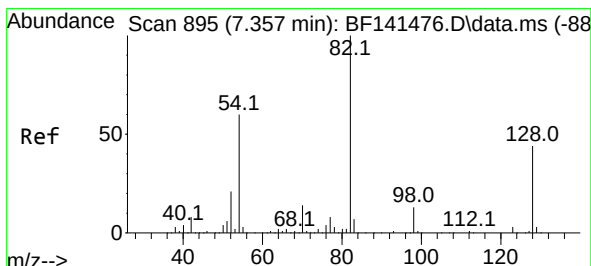
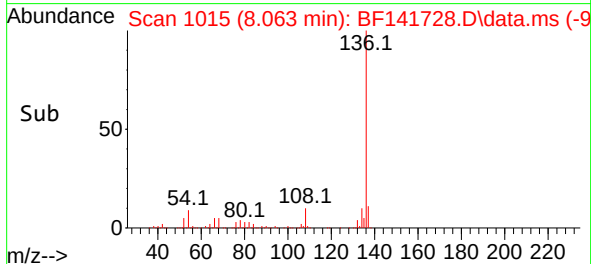
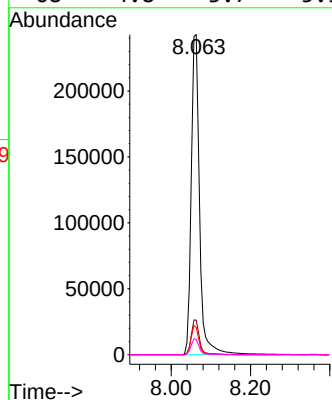
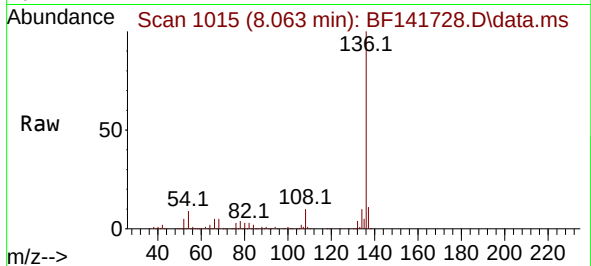




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141728.D
Acq: 21 Feb 2025 19:13

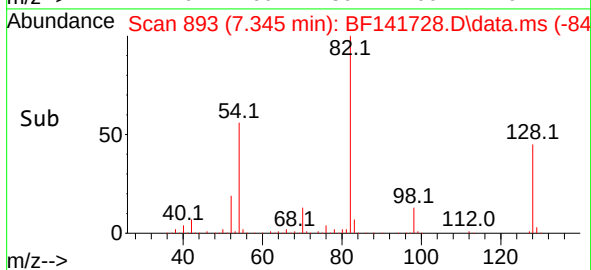
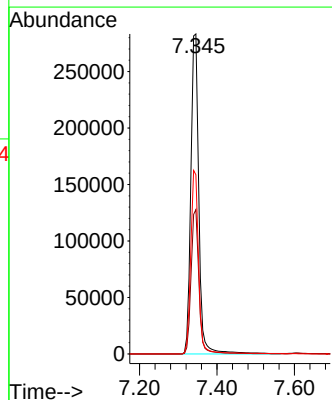
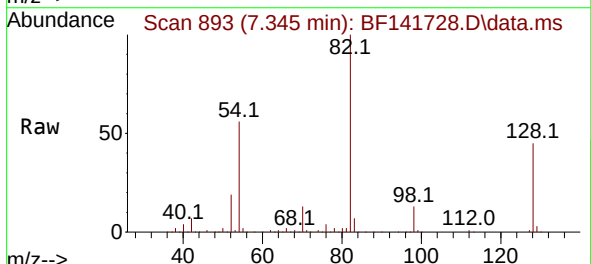
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ClientSampleId :
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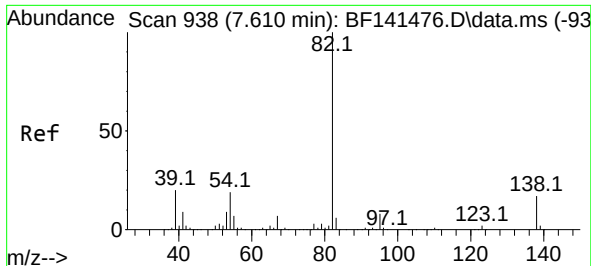
Tgt Ion:136 Resp: 354951
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.6 7.2 10.8
68 4.8 3.7 5.5



#23
Nitrobenzene-d5
Concen: 59.694 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF141728.D
Acq: 21 Feb 2025 19:13

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

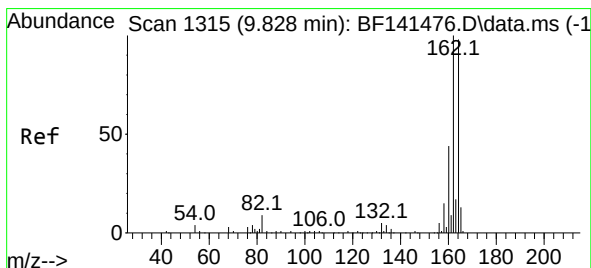
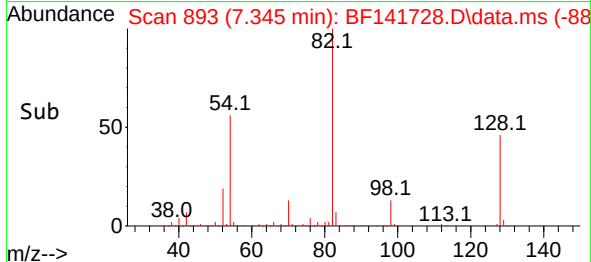
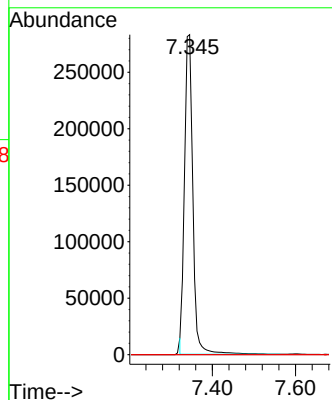
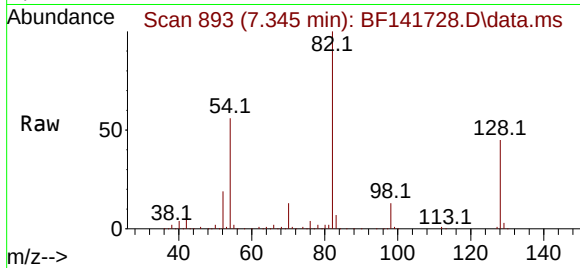




#25
Isophorone
Concen: 36.375 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.276 min
Lab File: BF141728.D
Acq: 21 Feb 2025 19:13

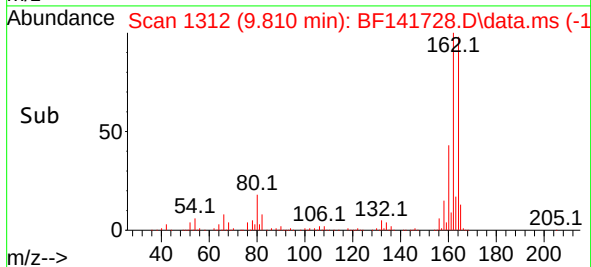
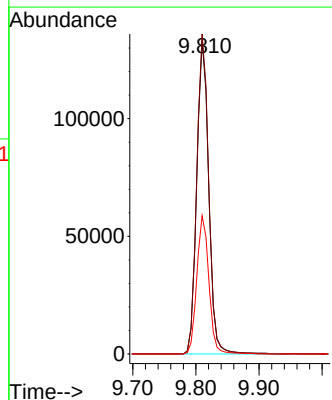
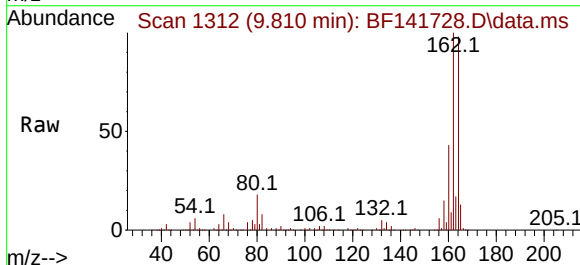
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ClientSampleId :
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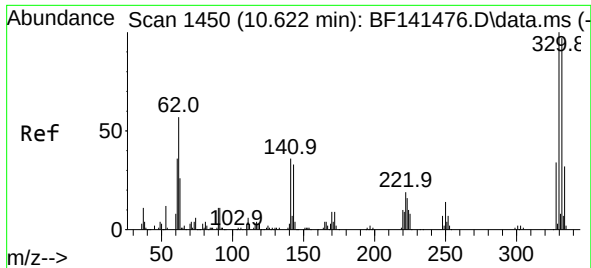
Tgt Ion: 82 Resp: 394695
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#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

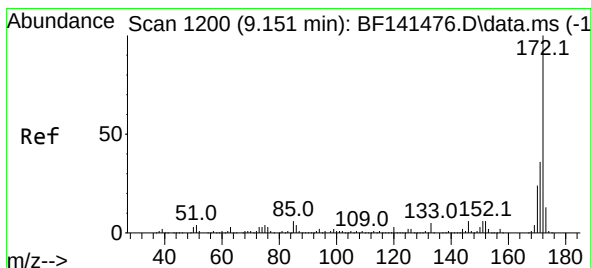
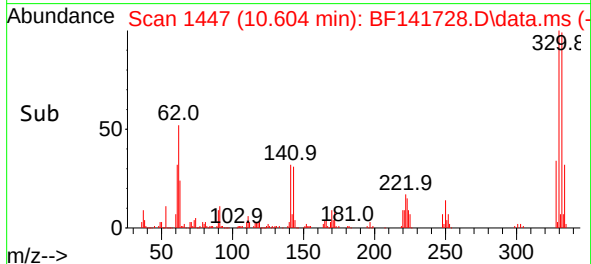
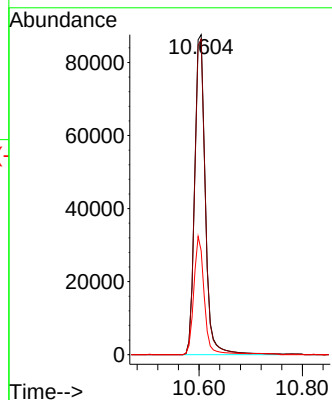
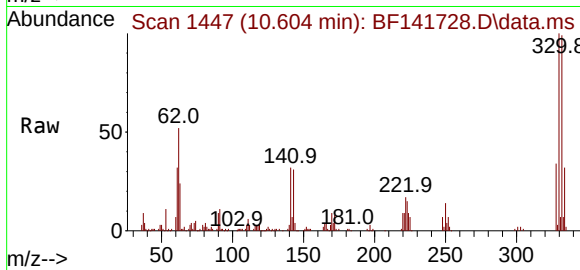




#42
2,4,6-Tribromophenol
Concen: 71.574 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.023 min
Lab File: BF141728.D
Acq: 21 Feb 2025 19:13

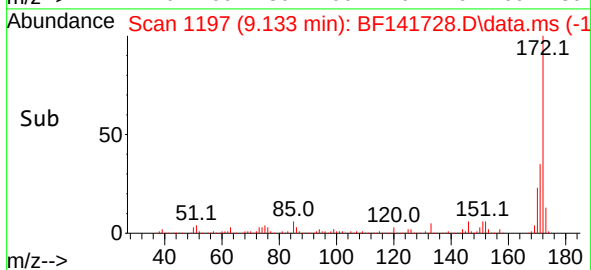
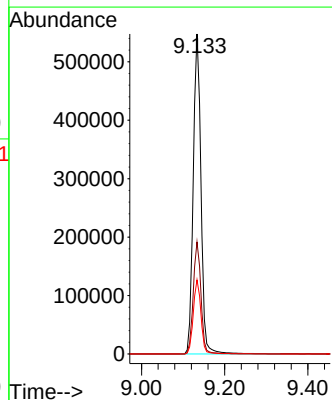
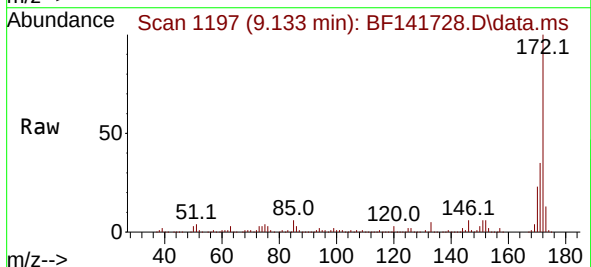
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ClientSampleId :
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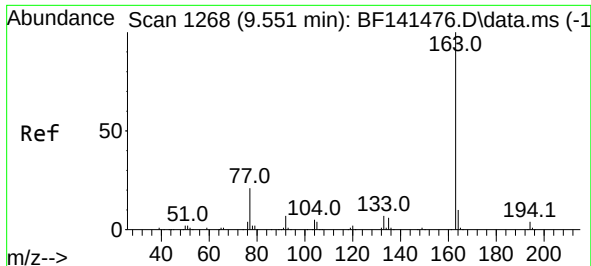
Tgt Ion: 330 Resp: 125982
Ion Ratio Lower Upper
330 100
332 98.2 78.5 117.7
141 36.2 31.0 46.4



#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

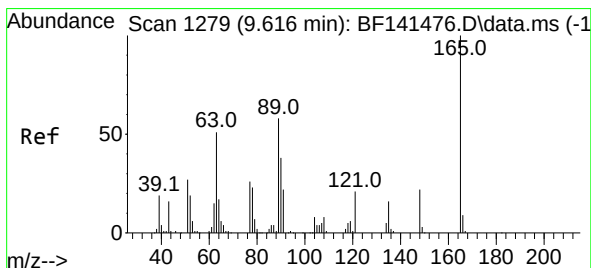
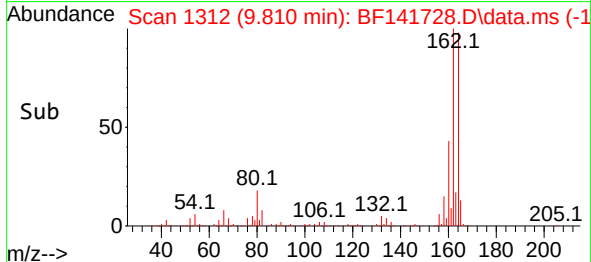
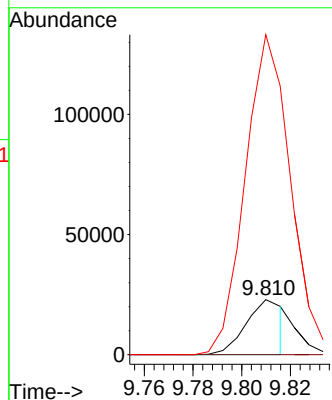
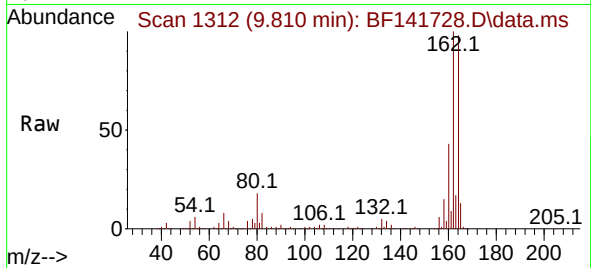




#50
Dimethylphthalate
Concen: 2.030 ng
RT: 9.810 min Scan# 1312
Delta R.T. 0.247 min
Lab File: BF141728.D
Acq: 21 Feb 2025 19:13

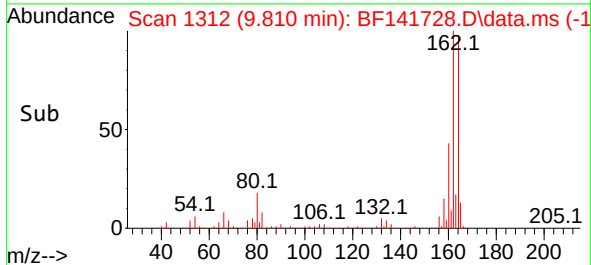
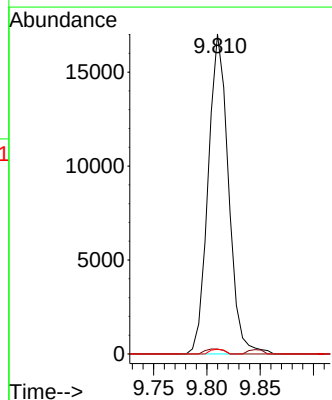
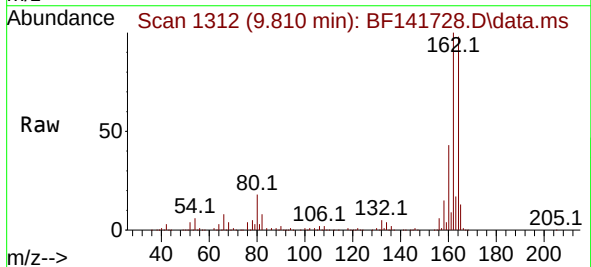
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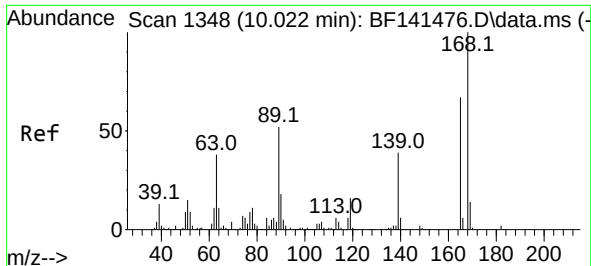
Tgt Ion:163 Resp: 24150
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 582.1 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 8.683 ng
RT: 9.810 min Scan# 1312
Delta R.T. 0.188 min
Lab File: BF141728.D
Acq: 21 Feb 2025 19:13

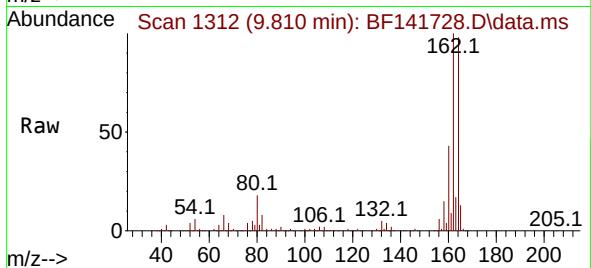
Tgt Ion:165 Resp: 22579
Ion Ratio Lower Upper
165 100
63 1.6 49.4 74.0#
89 1.5 46.5 69.7#



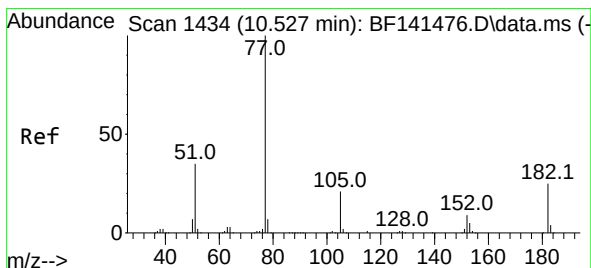
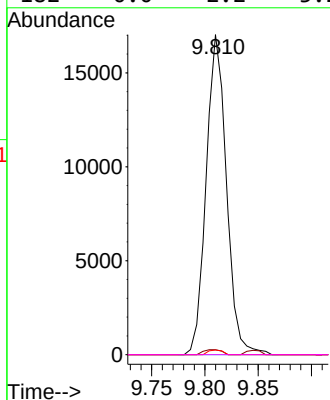
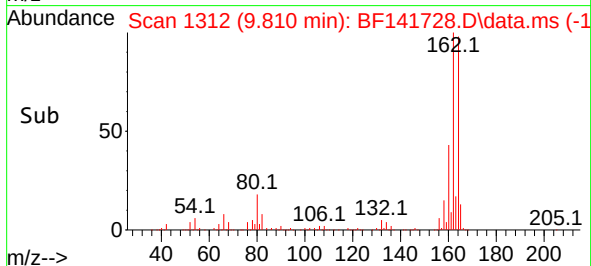


#57
2,4-Dinitrotoluene
Concen: 6.522 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.218 min
Lab File: BF141728.D
Acq: 21 Feb 2025 19:13

Instrument :
BNA_F
ClientSampleId :
BUS-DISCONNECT

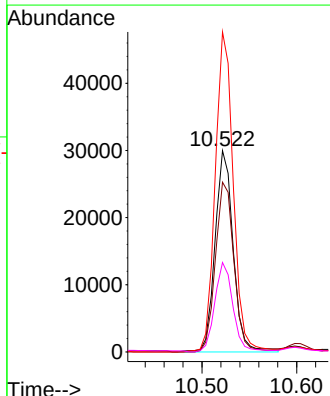
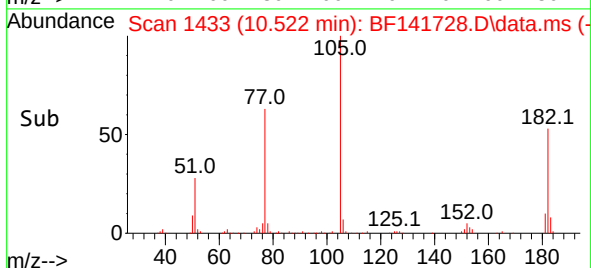
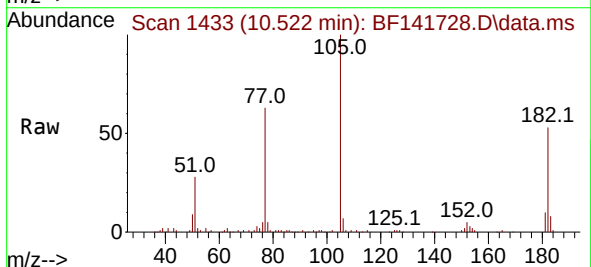


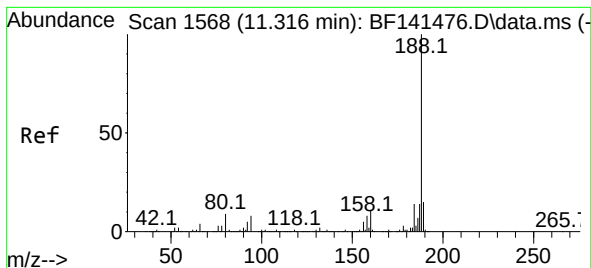
Tgt Ion:165 Resp: 22579
Ion Ratio Lower Upper
165 100
63 1.6 46.4 69.6#
89 1.5 61.8 92.6#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 3.444 ng
RT: 10.522 min Scan# 1433
Delta R.T. -0.012 min
Lab File: BF141728.D
Acq: 21 Feb 2025 19:13

Tgt Ion: 77 Resp: 40073
Ion Ratio Lower Upper
77 100
182 84.3 4.7 44.7#
105 159.0 0.4 40.4#
51 44.4 16.5 56.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141728.D

Acq: 21 Feb 2025 19:13

Instrument :

BNA_F

ClientSampleId :

BUS-DISCONNECT

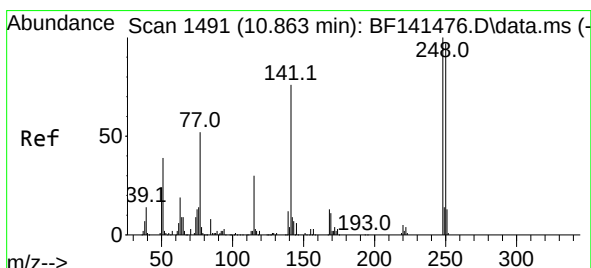
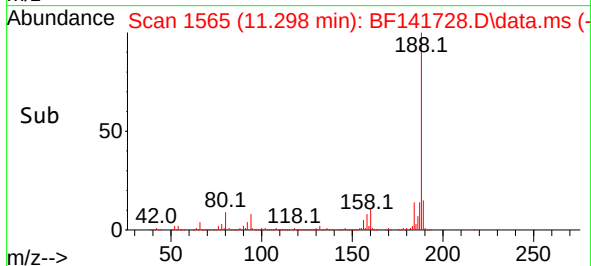
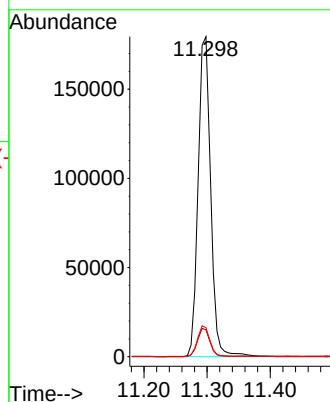
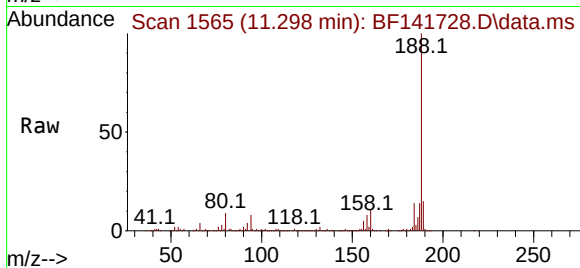
Tgt Ion:188 Resp: 247396

Ion Ratio Lower Upper

188 100

94 8.4 6.6 10.0

80 9.0 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 3.071 ng

RT: 10.598 min Scan# 1446

Delta R.T. -0.265 min

Lab File: BF141728.D

Acq: 21 Feb 2025 19:13

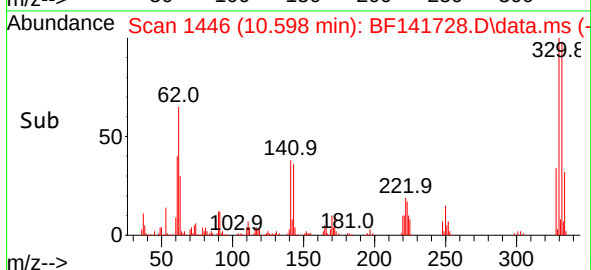
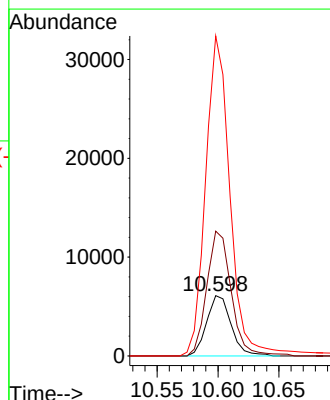
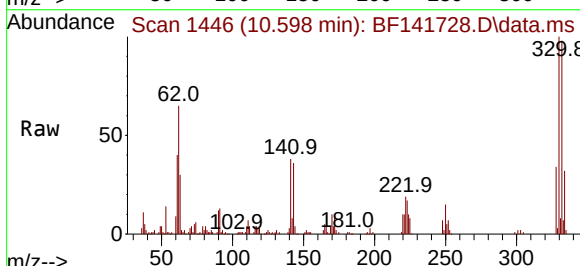
Tgt Ion:248 Resp: 8492

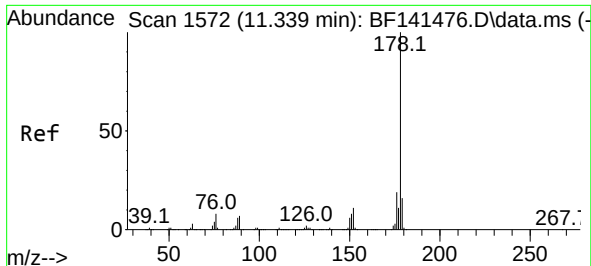
Ion Ratio Lower Upper

248 100

250 206.6 77.8 116.6#

141 529.8 60.6 90.8#

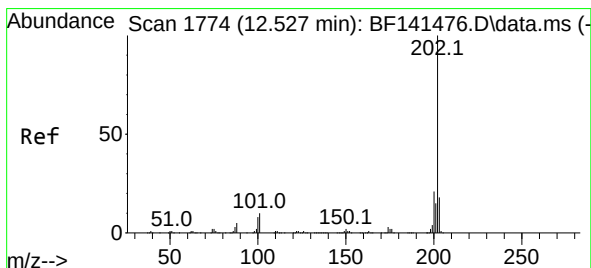
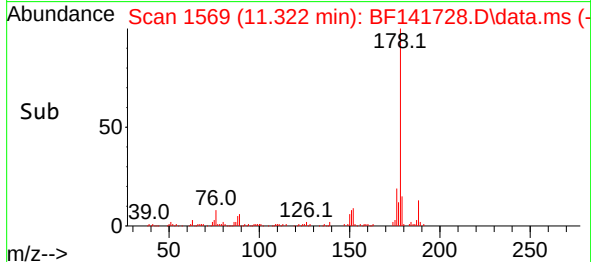
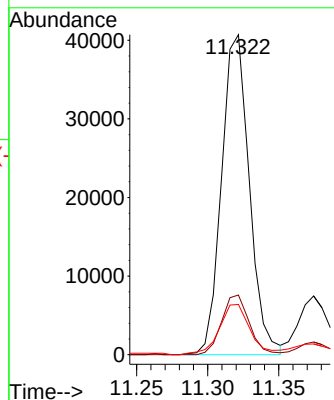
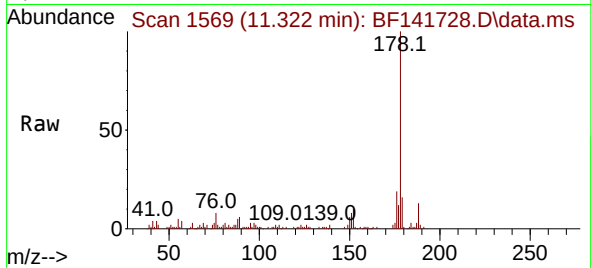




#71
Phenanthrene
Concen: 4.067 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.023 min
Lab File: BF141728.D
Acq: 21 Feb 2025 19:13

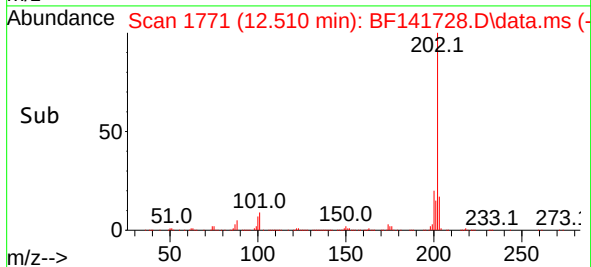
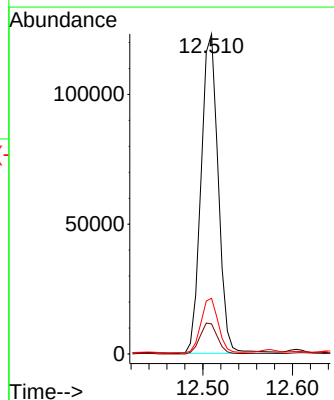
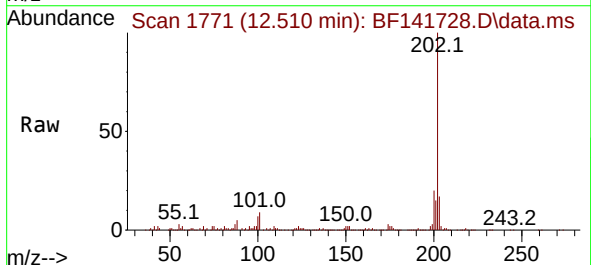
Instrument :
BNA_F
ClientSampleId :
BUS-DISCONNECT

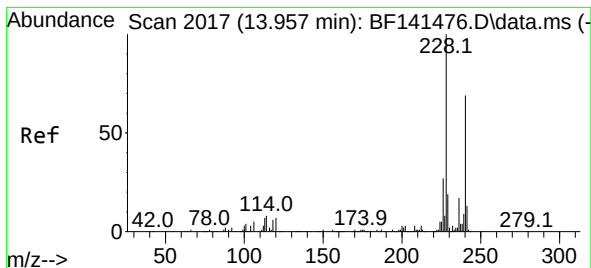
Tgt Ion:178 Resp: 55389
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 15.7 12.4 18.6



#75
Fluoranthene
Concen: 11.352 ng
RT: 12.510 min Scan# 1771
Delta R.T. -0.023 min
Lab File: BF141728.D
Acq: 21 Feb 2025 19:13

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# 20

Delta R.T. -0.029 min

Lab File: BF141728.D

Acq: 21 Feb 2025 19:13

Instrument :

BNA_F

ClientSampleId :

BUS-DISCONNECT

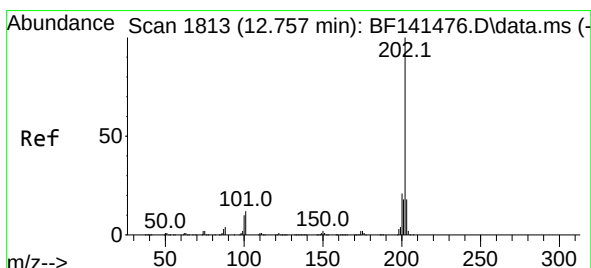
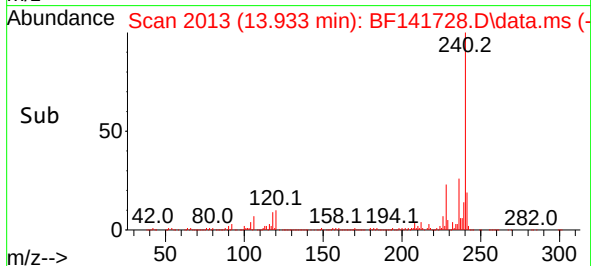
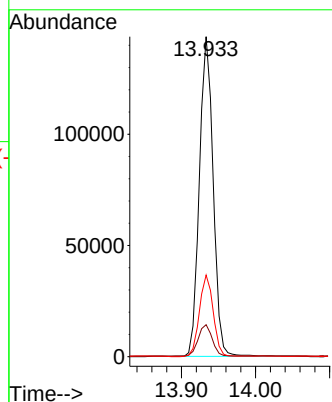
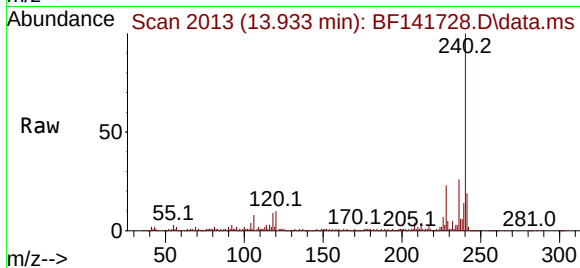
Tgt Ion:240 Resp: 185643

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

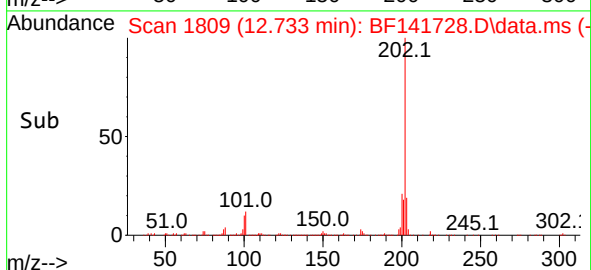
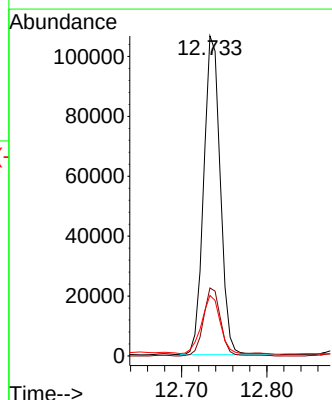
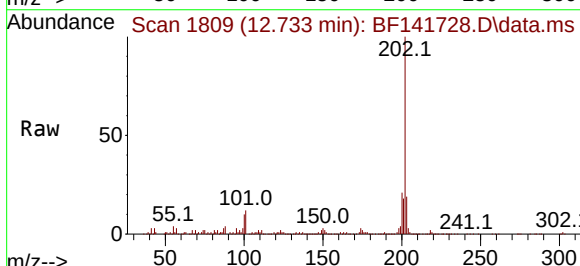
Tgt Ion:202 Resp: 143811

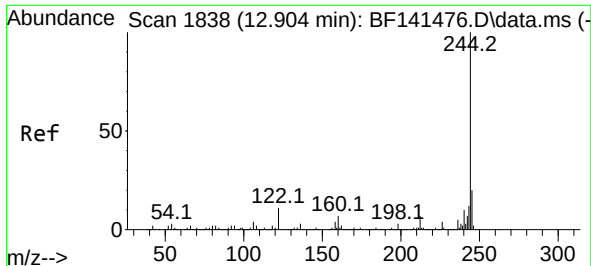
Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.4

203 18.9 14.3 21.5

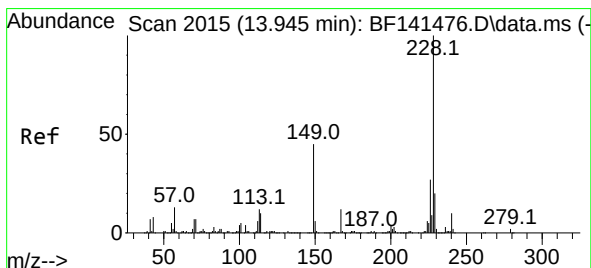
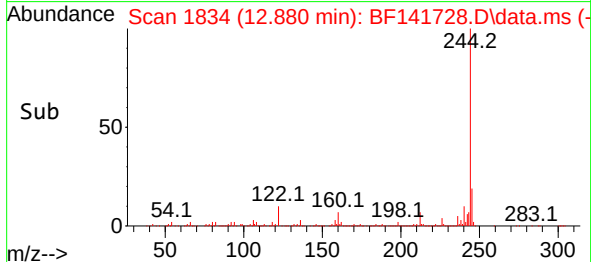
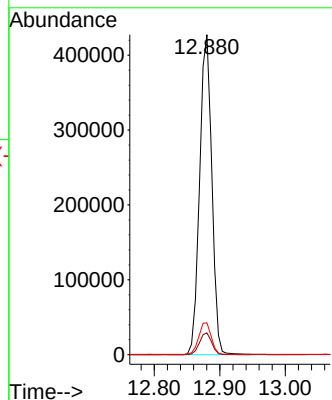
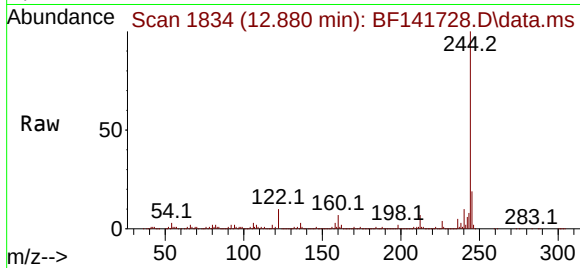




#79
 Terphenyl-d14
 Concen: 50.441 ng
 RT: 12.880 min Scan# 11
 Delta R.T. -0.023 min
 Lab File: BF141728.D
 Acq: 21 Feb 2025 19:13

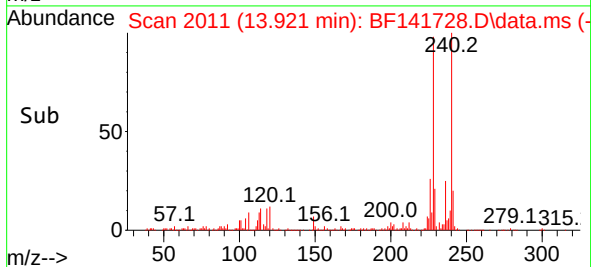
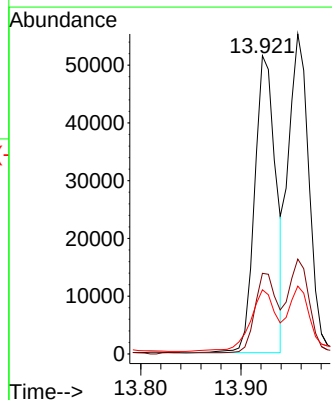
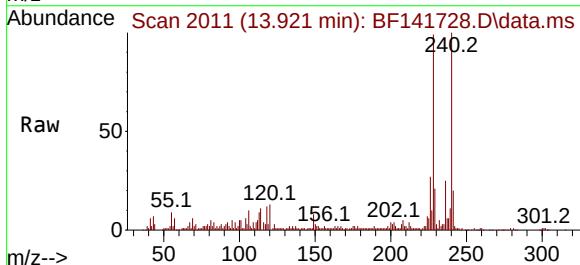
Instrument :
 BNA_F
 ClientSampleId :
 BUS-DISCONNECT

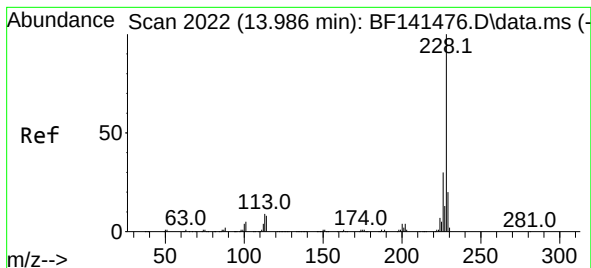
Tgt Ion:244 Resp: 554679
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 9.9 8.4 12.6



#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

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# 20

Delta R.T. -0.035 min

Lab File: BF141728.D

Acq: 21 Feb 2025 19:13

Instrument :

BNA_F

ClientSampleId :

BUS-DISCONNECT

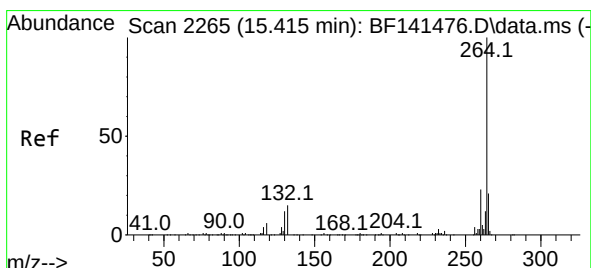
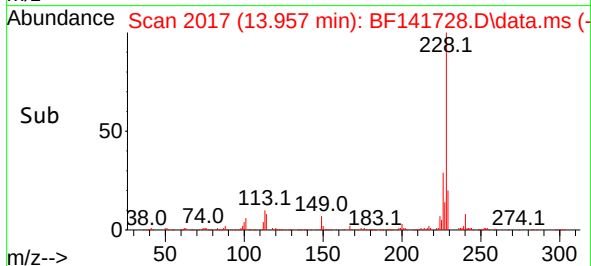
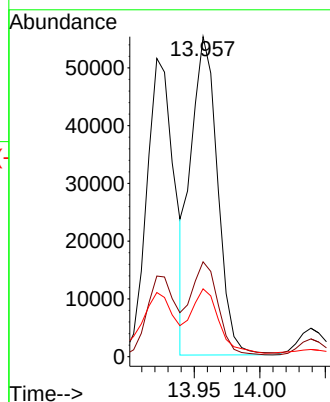
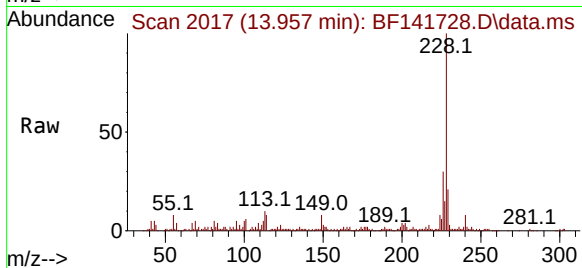
Tgt Ion:228 Resp: 78123

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# 2258

Delta R.T. -0.041 min

Lab File: BF141728.D

Acq: 21 Feb 2025 19:13

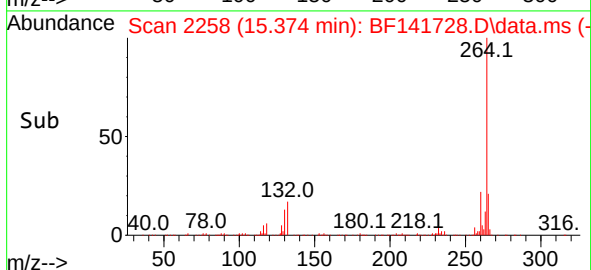
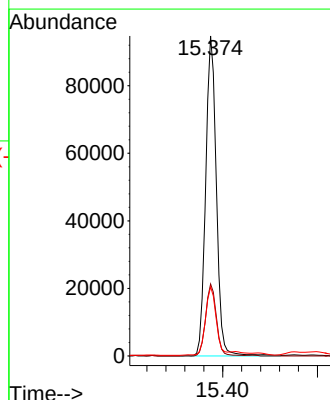
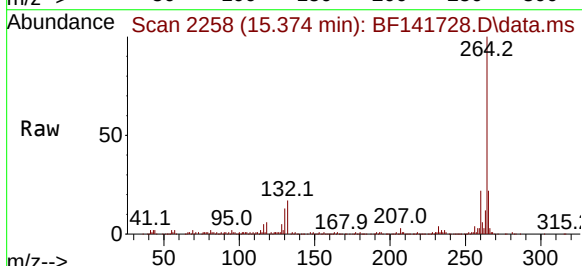
Tgt Ion:264 Resp: 147950

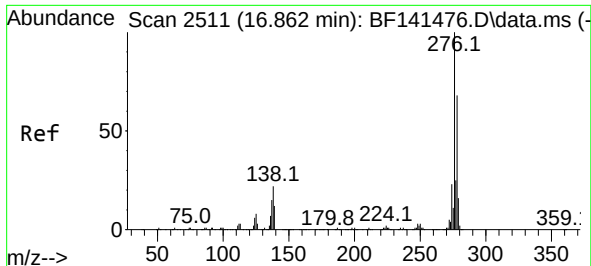
Ion Ratio Lower Upper

264 100

260 22.5 18.6 28.0

265 21.6 17.0 25.4

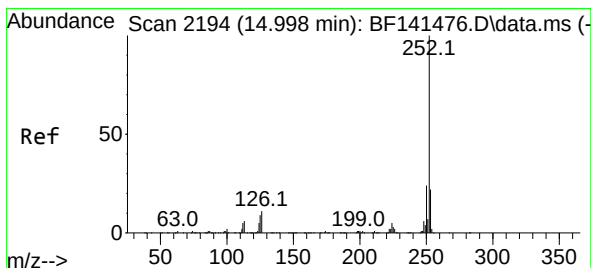
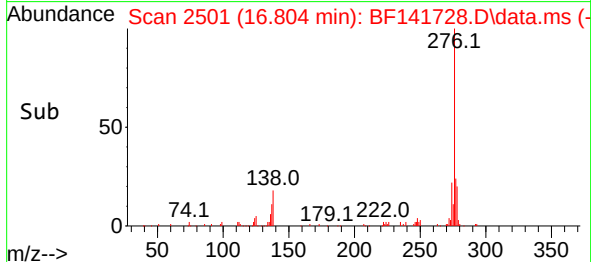
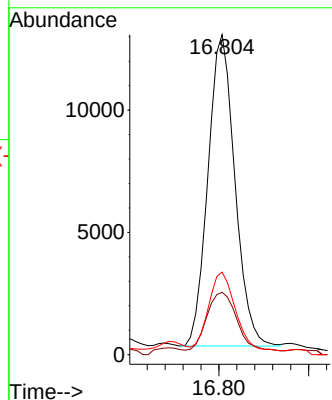
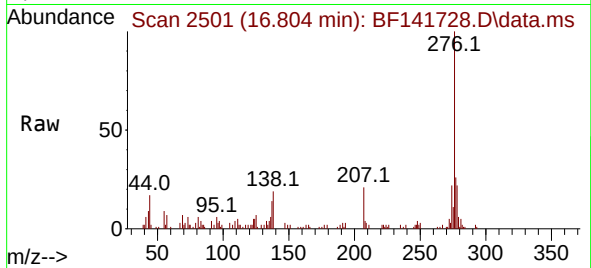




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.899 ng
 RT: 16.804 min Scan# 2180
 Delta R.T. -0.070 min
 Lab File: BF141728.D
 Acq: 21 Feb 2025 19:13

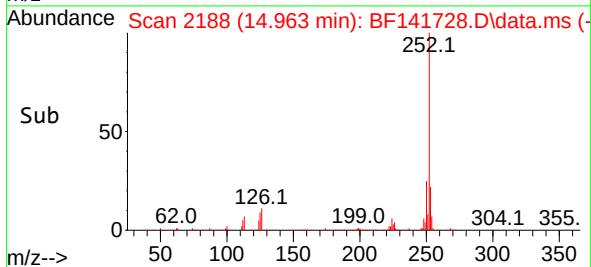
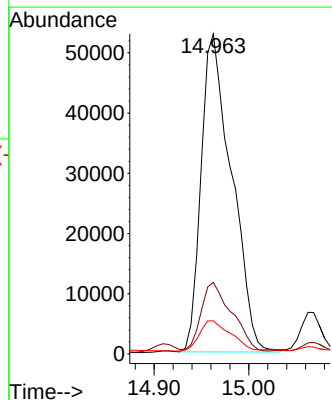
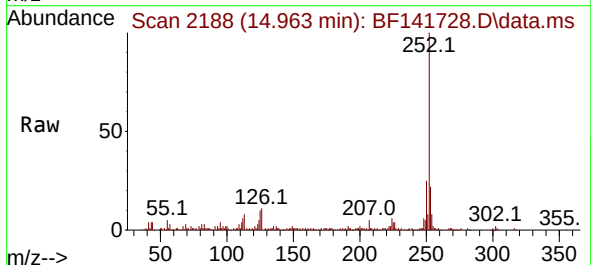
Instrument :
 BNA_F
 ClientSampleId :
 BUS-DISCONNECT

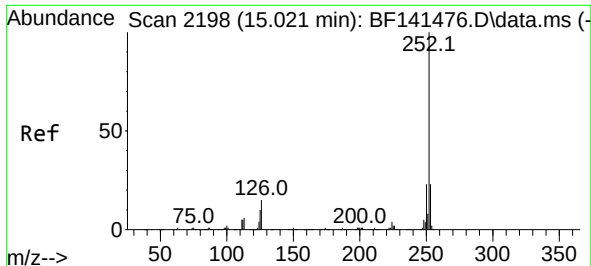
Tgt Ion:276 Resp: 26503
 Ion Ratio Lower Upper
 276 100
 138 22.5 18.0 27.0
 277 27.8 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 11.896 ng
 RT: 14.963 min Scan# 2188
 Delta R.T. -0.041 min
 Lab File: BF141728.D
 Acq: 21 Feb 2025 19:13

Tgt Ion:252 Resp: 118175
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.5 26.3
 125 10.4 7.0 10.6

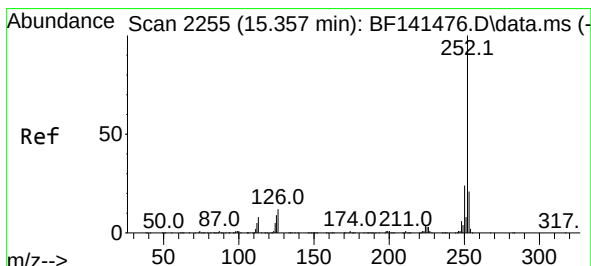
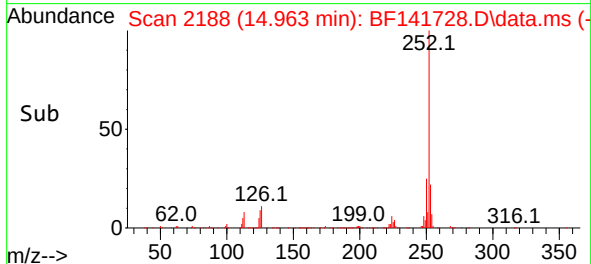
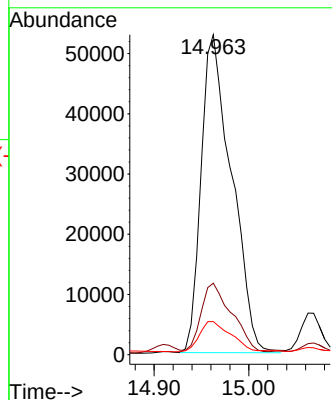
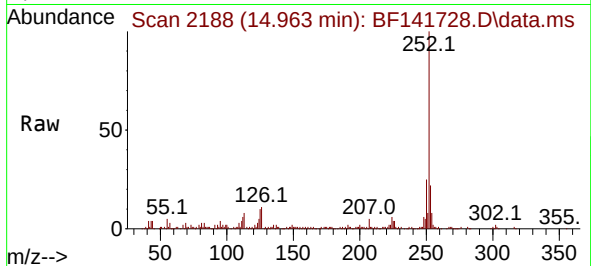




#89
Benzo(k)fluoranthene
Concen: 13.931 ng
RT: 14.963 min Scan# 2198
Delta R.T. -0.070 min
Lab File: BF141728.D
Acq: 21 Feb 2025 19:13

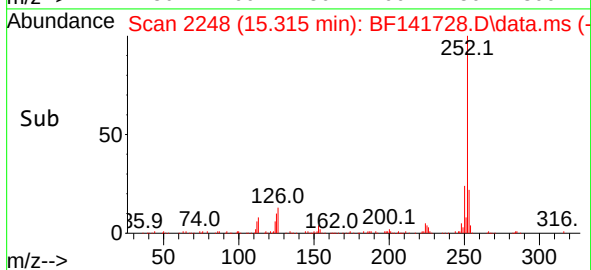
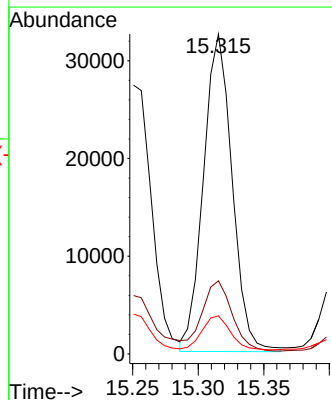
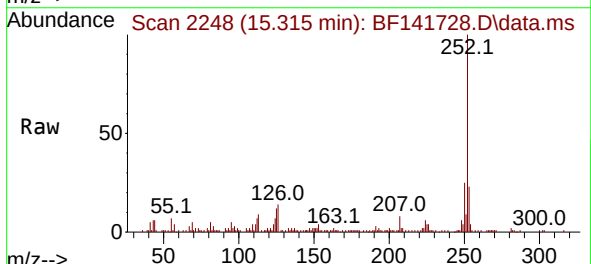
Instrument :
BNA_F
ClientSampleId :
BUS-DISCONNECT

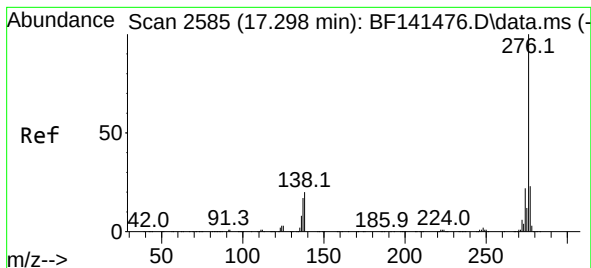
Tgt Ion:252 Resp: 118175
Ion Ratio Lower Upper
252 100
253 22.4 18.0 27.0
125 10.4 7.4 11.0



#90
Benzo(a)pyrene
Concen: 6.155 ng
RT: 15.315 min Scan# 2248
Delta R.T. -0.047 min
Lab File: BF141728.D
Acq: 21 Feb 2025 19:13

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# 21

Delta R.T. -0.082 min

Lab File: BF141728.D

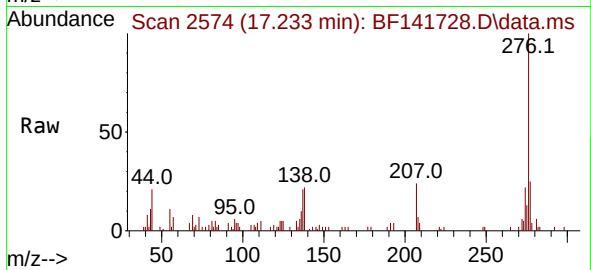
Acq: 21 Feb 2025 19:13

Instrument :

BNA_F

ClientSampleId :

BUS-DISCONNECT



Tgt Ion:276 Resp: 27874

Ion	Ratio	Lower	Upper
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276	100		
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277	24.7	18.6	28.0
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138	21.5	15.9	23.9
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