

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082823\
 Data File : BF134975.D
 Acq On : 28 Aug 2023 18:41
 Operator : CG\JU
 Sample : 04110-10DL 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-11(1-2)DL

Quant Time: Aug 29 03:51:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 28 02:45:19 2023
 Response via : Initial Calibration

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

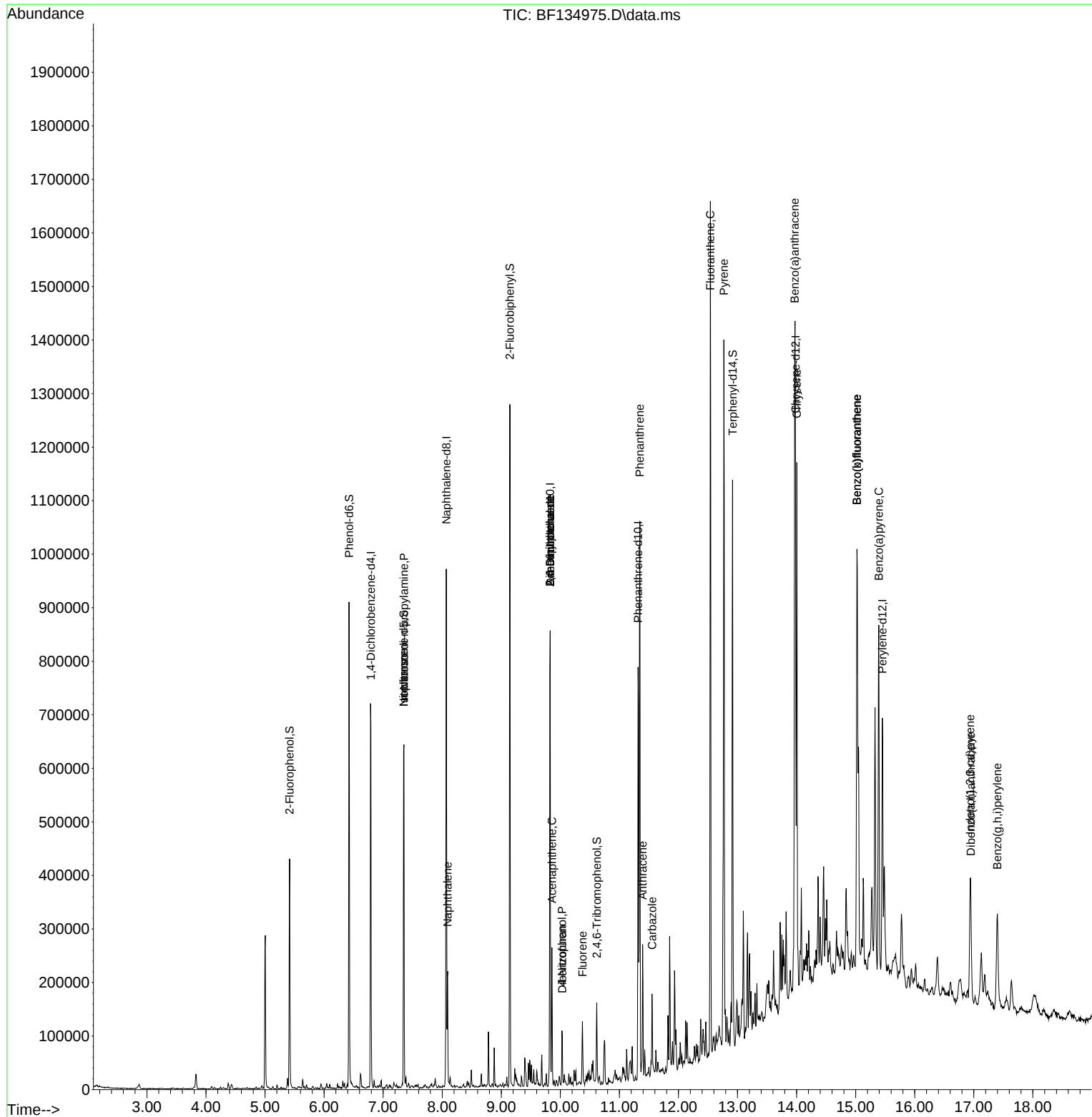
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	106085	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	383960	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	172487	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	287983	20.000	ng	-0.01
76) Chrysene-d12	13.980	240	257775	20.000	ng	0.00
86) Perylene-d12	15.451	264	224479	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	116276	17.478	ng	0.00
7) Phenol-d6	6.422	99	263379	30.983	ng	-0.02
23) Nitrobenzene-d5	7.345	82	199703	28.660	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	12247	6.029	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	343737	30.807	ng	-0.01
79) Terphenyl-d14	12.916	244	329789	17.596	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	26305	5.298	ng	# 74
25) Isophorone	7.345	82	197148	15.152	ng	# 64
31) Naphthalene	8.092	128	89153	4.650	ng	99
50) Dimethylphthalate	9.828	163	34901	2.843	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	22432	8.284	ng	# 28
52) Acenaphthene	9.857	154	47126	4.777	ng	98
55) Dibenzofuran	10.034	168	31241	2.175	ng	# 93
56) 4-Nitrophenol	10.028	139	12444	6.037	ng	# 9
57) 2,4-Dinitrotoluene	9.828	165	22432	6.698	ng	# 25
58) Fluorene	10.375	166	28203	2.589	ng	99
71) Phenanthrene	11.345	178	373462	24.748	ng	99
72) Anthracene	11.392	178	89315	5.776	ng	98
73) Carbazole	11.551	167	53061	4.165	ng	97
75) Fluoranthene	12.539	202	608039	42.524	ng	99
78) Pyrene	12.769	202	550485	20.141	ng	100
81) Benzo(a)anthracene	13.969	228	371183	21.105	ng	97
83) Chrysene	14.004	228	366730	21.134	ng	97
87) Indeno(1,2,3-cd)pyrene	16.939	276	159393	9.934	ng	96
88) Benzo(b)fluoranthene	15.021	252	603670	47.665	ng	99
89) Benzo(k)fluoranthene	15.021	252	603670	48.539	ng	97
90) Benzo(a)pyrene	15.392	252	311024	24.600	ng	98
91) Dibenzo(a,h)anthracene	16.951	278	41406	3.189	ng	# 90
92) Benzo(g,h,i)perylene	17.398	276	151093	11.369	ng	97

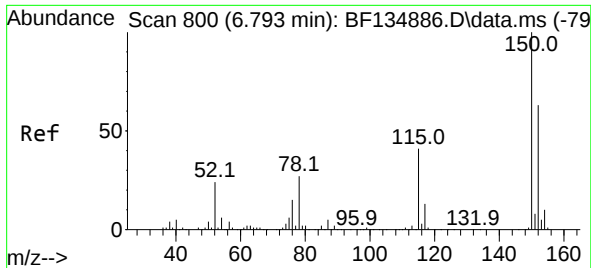
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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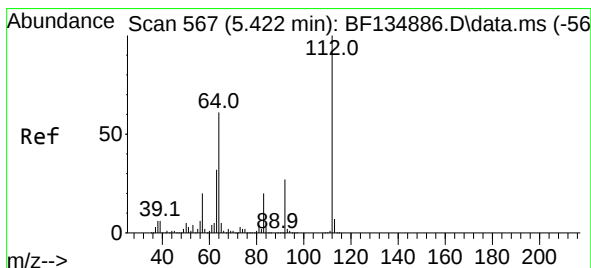
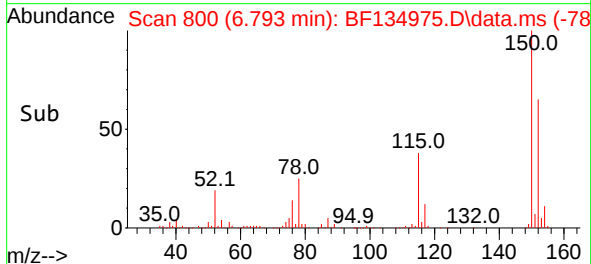
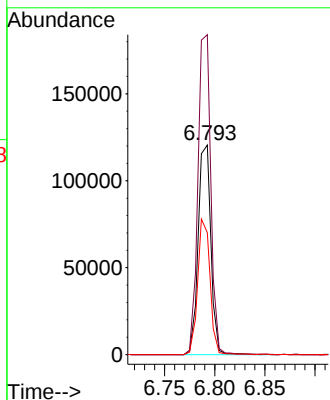
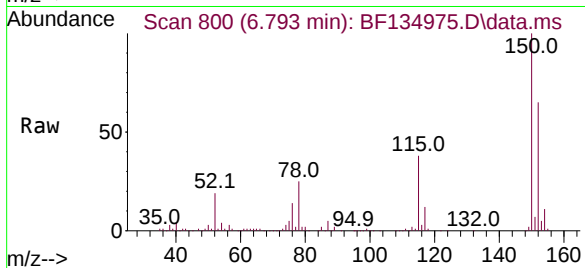




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 800
Delta R.T. -0.000 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

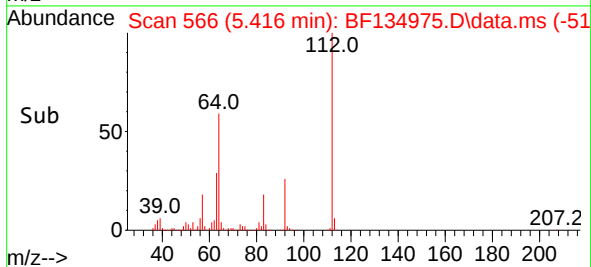
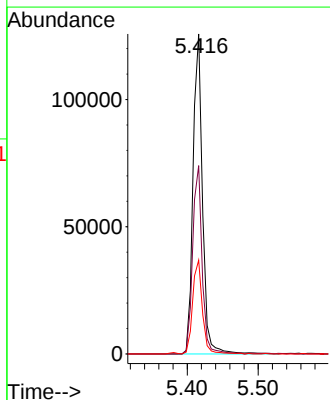
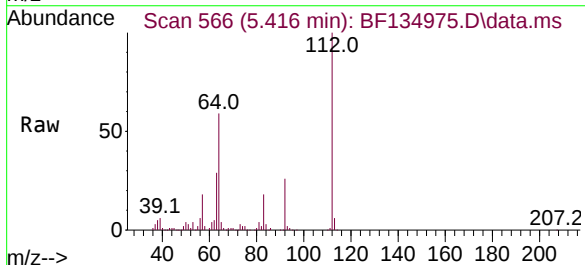
Instrument :
BNA_F
ClientSampleId :
TP-11(1-2)DL

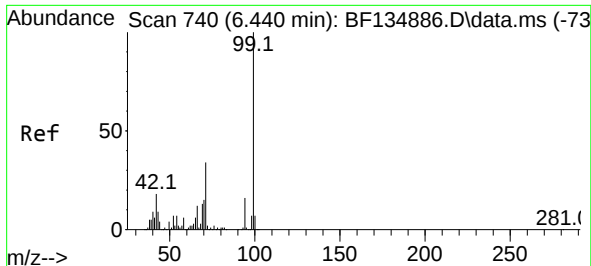
Tgt Ion:152 Resp: 106085
Ion Ratio Lower Upper
152 100
150 152.7 126.1 189.1
115 58.1 51.1 76.7



#5
2-Fluorophenol
Concen: 17.478 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

Tgt Ion:112 Resp: 116276
Ion Ratio Lower Upper
112 100
64 58.8 48.6 73.0
63 29.3 25.7 38.5

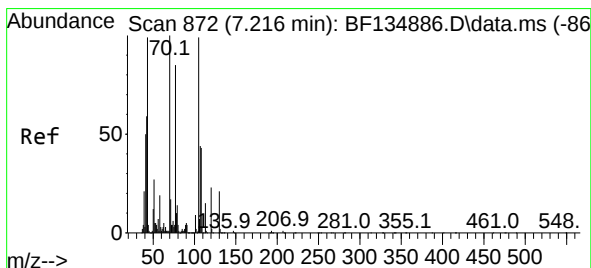
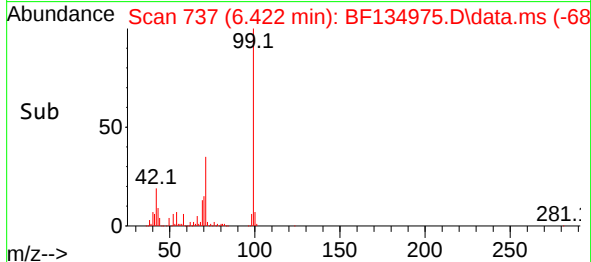
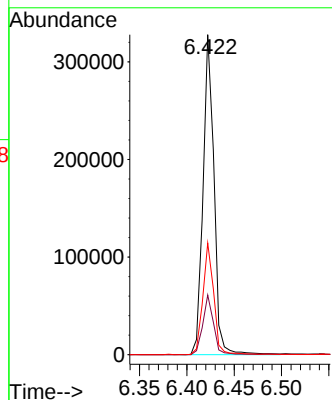
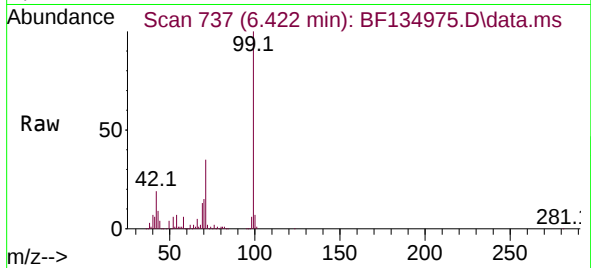




#7
Phenol-d6
Concen: 30.983 ng
RT: 6.422 min Scan# 740
Delta R.T. -0.018 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

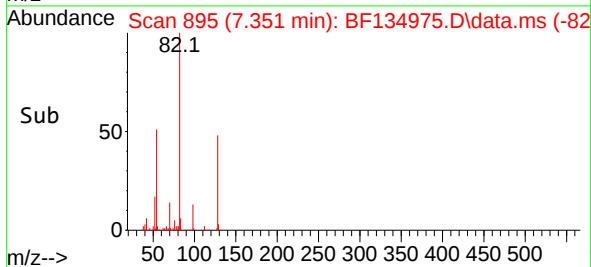
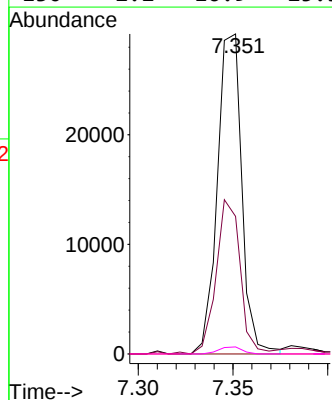
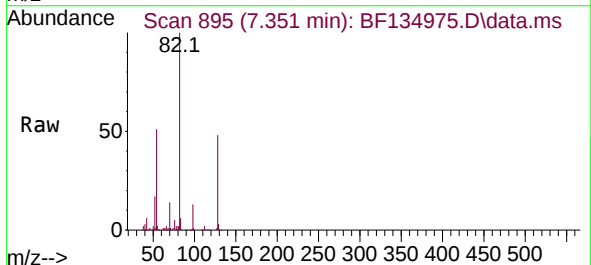
Instrument :
BNA_F
ClientSampleId :
TP-11(1-2)DL

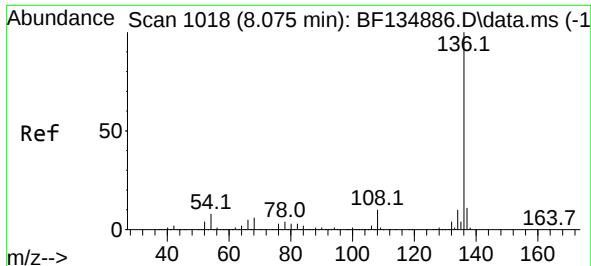
Tgt Ion: 99 Resp: 263379
Ion Ratio Lower Upper
99 100
42 18.6 14.6 22.0
71 34.9 27.6 41.4



#19
n-Nitroso-di-n-propylamine
Concen: 5.298 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.135 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

Tgt Ion: 70 Resp: 26305
Ion Ratio Lower Upper
70 100
42 43.0 46.9 70.3#
101 0.0 7.5 11.3#
130 2.2 16.9 25.3#

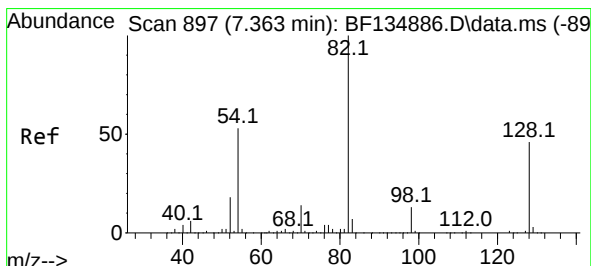
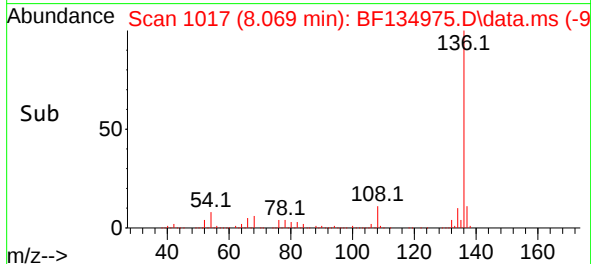
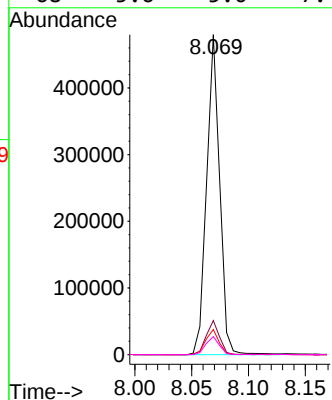
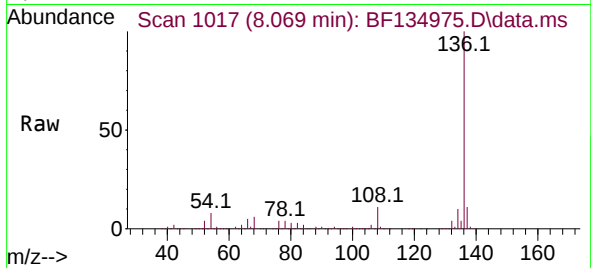




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

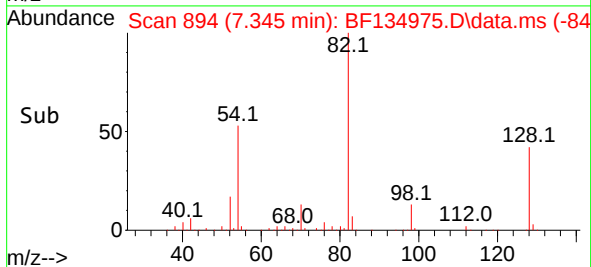
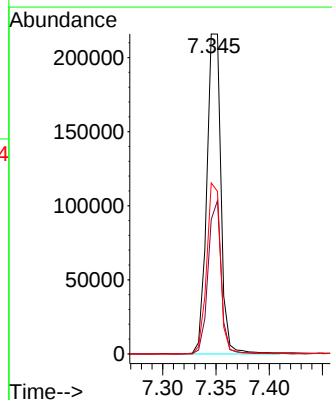
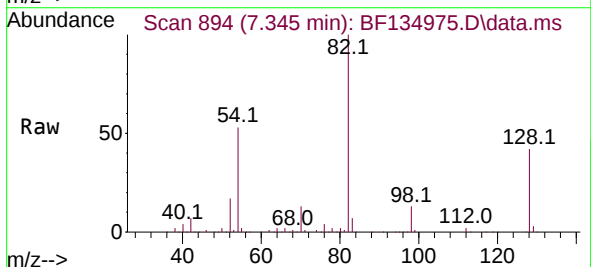
Instrument :
BNA_F
ClientSampleId :
TP-11(1-2)DL

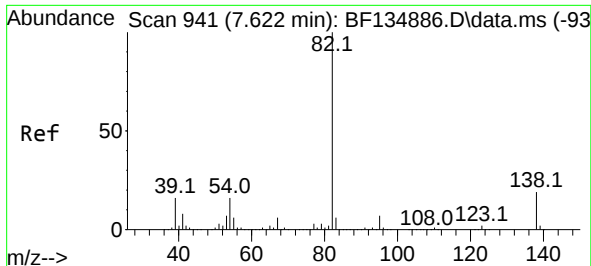
Tgt Ion:136	Resp:	383960
Ion	Ratio	Lower Upper
136	100	
137	10.6	8.9 13.3
54	7.8	6.6 9.8
68	5.6	5.0 7.4



#23
Nitrobenzene-d5
Concen: 28.660 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.018 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

Tgt Ion: 82	Resp:	199703
Ion	Ratio	Lower Upper
82	100	
128	42.0	36.6 54.8
54	53.4	42.6 63.8

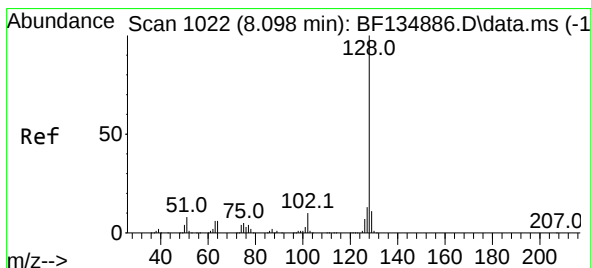
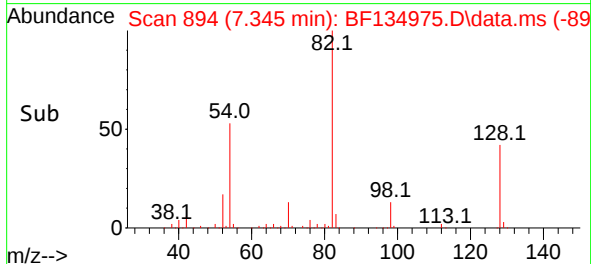
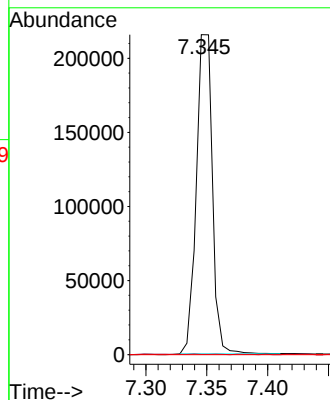
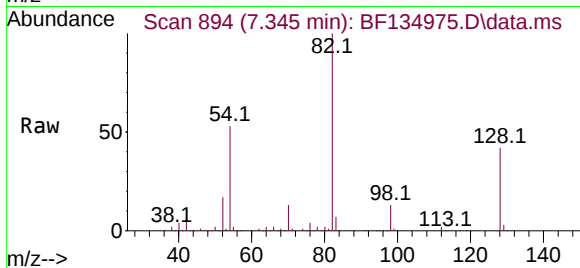




#25
Isophorone
Concen: 15.152 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

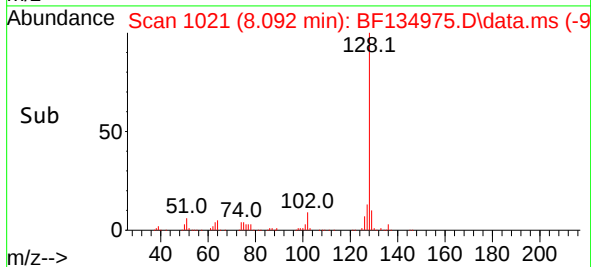
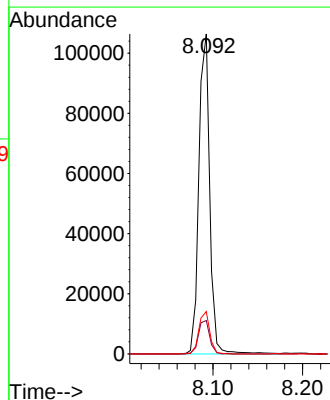
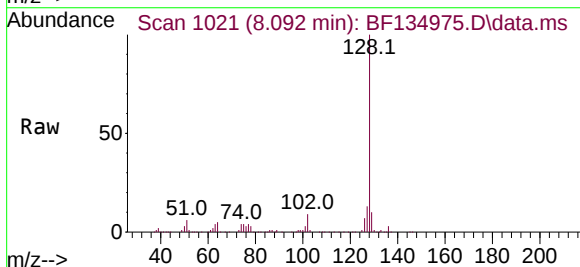
Instrument :
BNA_F
ClientSampleId :
TP-11(1-2)DL

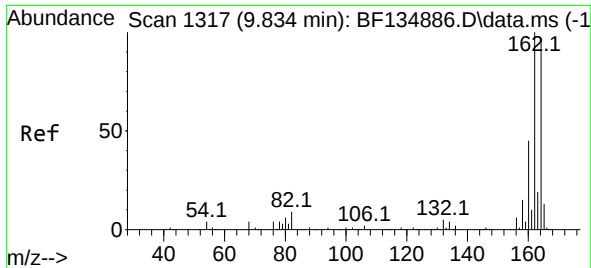
Tgt Ion: 82 Resp: 197148
Ion Ratio Lower Upper
82 100
95 0.1 5.9 8.9#
138 0.0 14.9 22.3#



#31
Naphthalene
Concen: 4.650 ng
RT: 8.092 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

Tgt Ion: 128 Resp: 89153
Ion Ratio Lower Upper
128 100
129 10.4 9.0 13.4
127 13.2 10.6 16.0

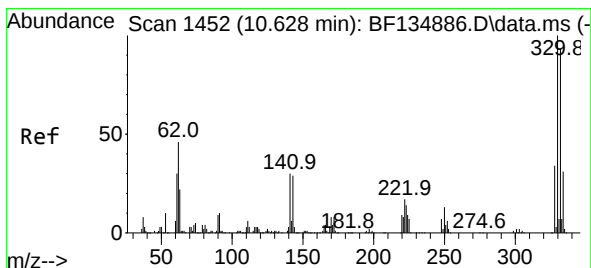
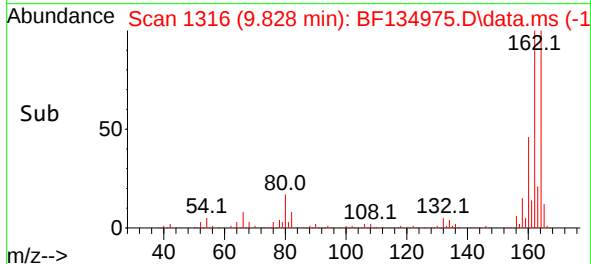
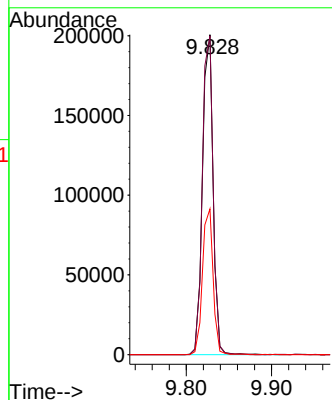
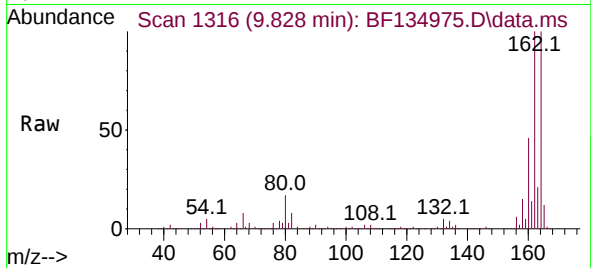




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

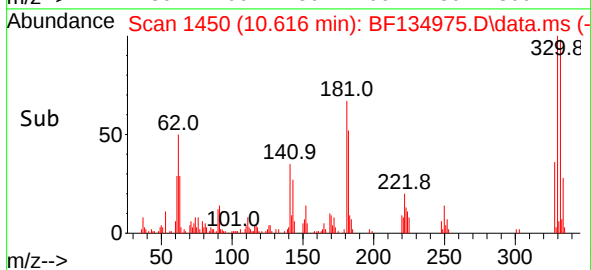
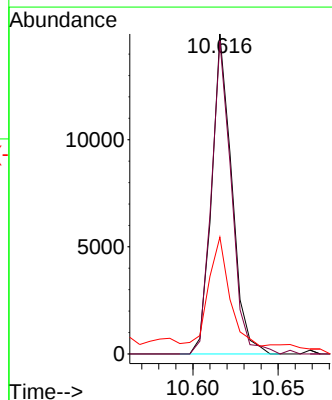
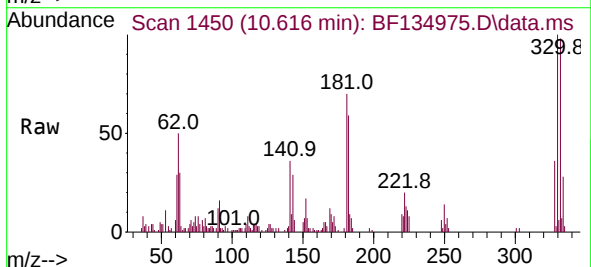
Instrument :
BNA_F
ClientSampleId :
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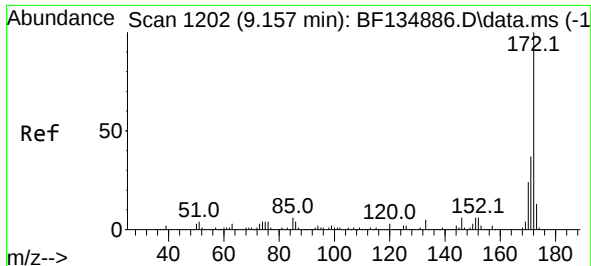
Tgt Ion:164 Resp: 172487
Ion Ratio Lower Upper
164 100
162 99.6 82.6 123.8
160 45.5 37.0 55.4



#42
2,4,6-Tribromophenol
Concen: 6.029 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

Tgt Ion:330 Resp: 12247
Ion Ratio Lower Upper
330 100
332 97.6 76.3 114.5
141 49.3 23.4 35.2#





#45

2-Fluorobiphenyl

Concen: 30.807 ng

RT: 9.145 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF134975.D

Acq: 28 Aug 2023 18:41

Instrument :

BNA_F

ClientSampleId :

TP-11(1-2)DL

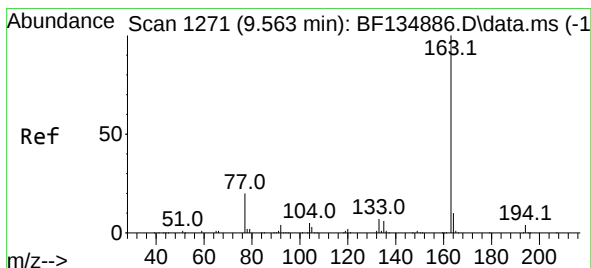
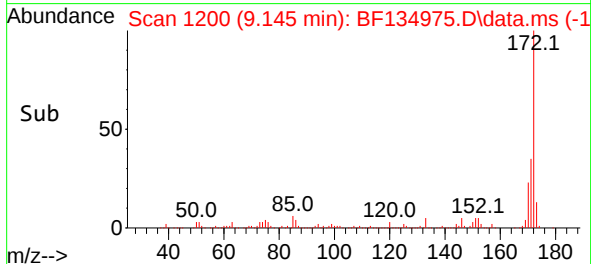
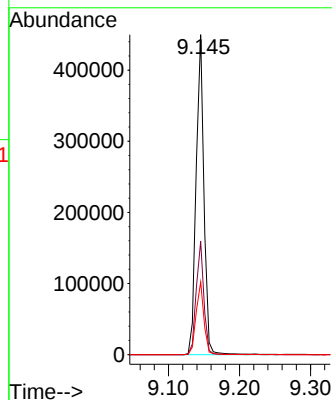
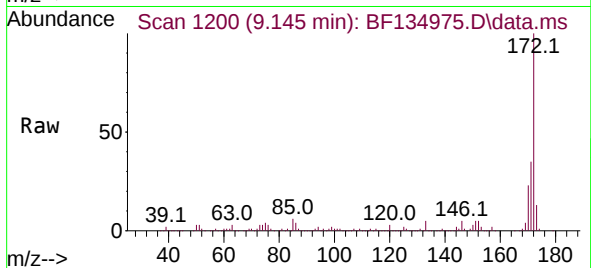
Tgt Ion:172 Resp: 343737

Ion Ratio Lower Upper

172 100

171 35.4 29.4 44.0

170 22.7 19.6 29.4



#50

Dimethylphthalate

Concen: 2.843 ng

RT: 9.828 min Scan# 1316

Delta R.T. 0.265 min

Lab File: BF134975.D

Acq: 28 Aug 2023 18:41

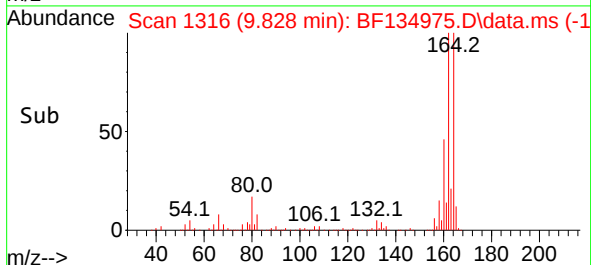
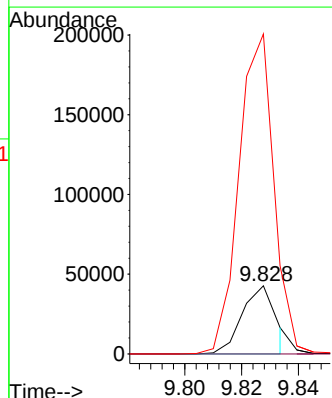
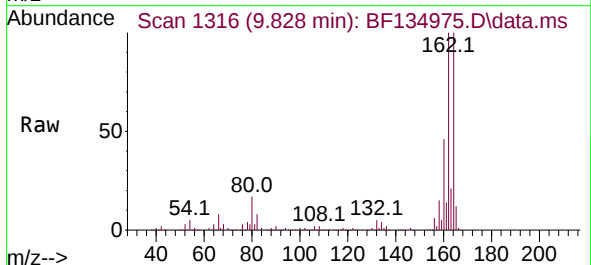
Tgt Ion:163 Resp: 34901

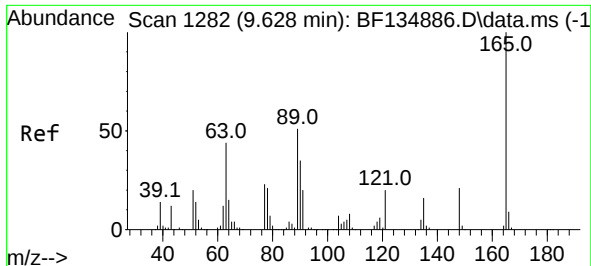
Ion Ratio Lower Upper

163 100

194 0.0 3.2 4.8#

164 470.3 8.2 12.4#





#51

2,6-Dinitrotoluene

Concen: 8.284 ng

RT: 9.828 min Scan# 1316

Delta R.T. 0.200 min

Lab File: BF134975.D

Acq: 28 Aug 2023 18:41

Instrument :

BNA_F

ClientSampleId :

TP-11(1-2)DL

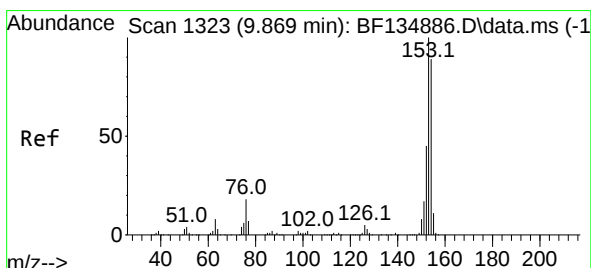
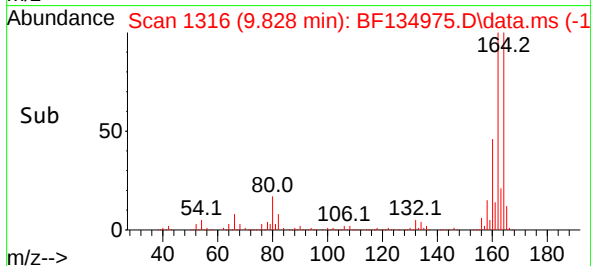
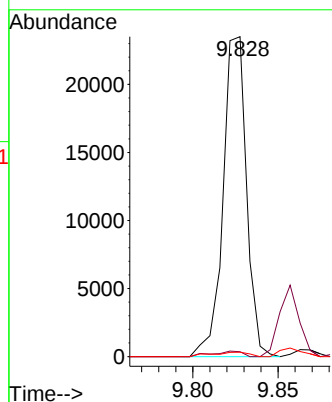
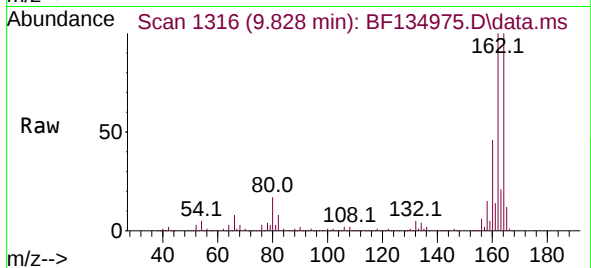
Tgt Ion:165 Resp: 22432

Ion Ratio Lower Upper

165 100

63 1.5 41.4 62.2#

89 1.4 40.9 61.3#



#52

Acenaphthene

Concen: 4.777 ng

RT: 9.857 min Scan# 1321

Delta R.T. -0.012 min

Lab File: BF134975.D

Acq: 28 Aug 2023 18:41

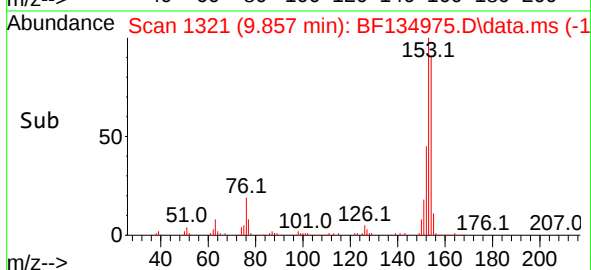
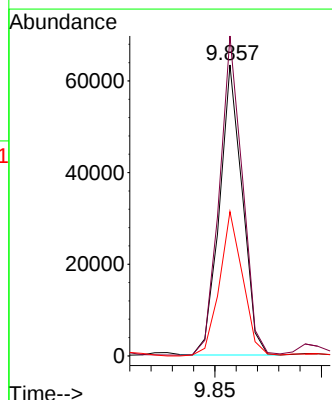
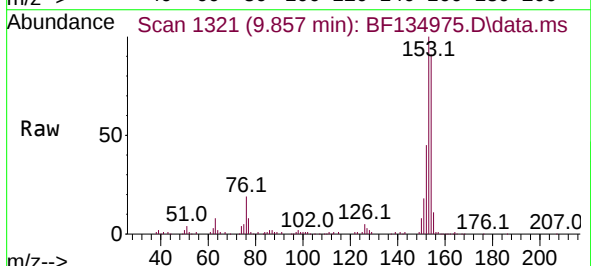
Tgt Ion:154 Resp: 47126

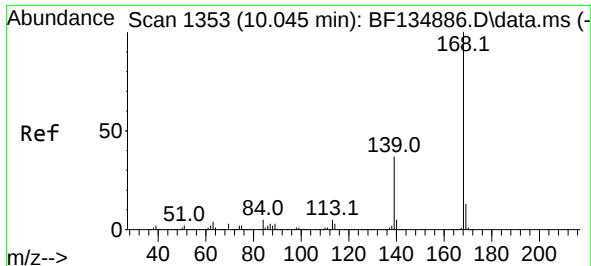
Ion Ratio Lower Upper

154 100

153 110.0 89.6 134.4

152 49.6 40.5 60.7

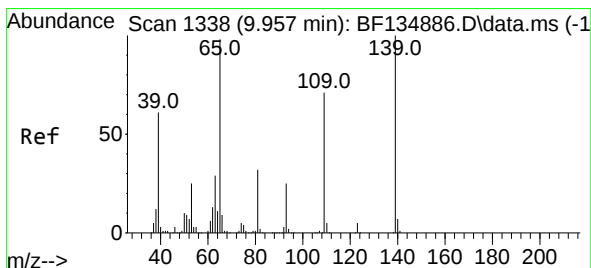
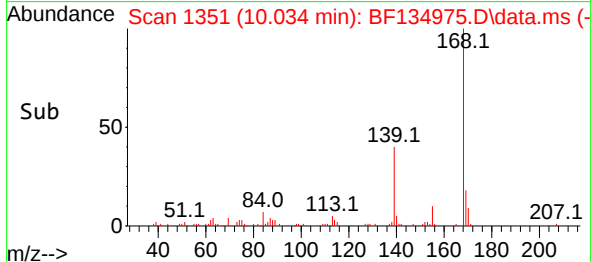
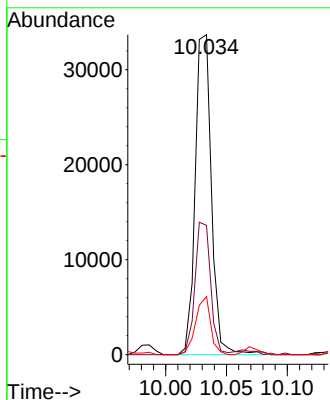
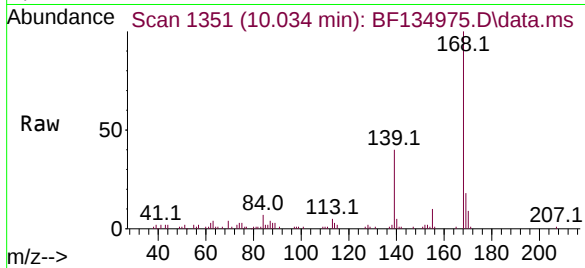




#55
Dibenzenofuran
Concen: 2.175 ng
RT: 10.034 min Scan# 1350
Delta R.T. -0.012 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

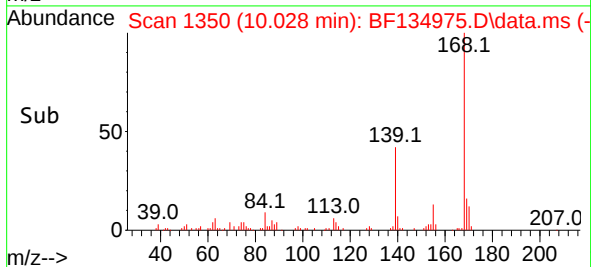
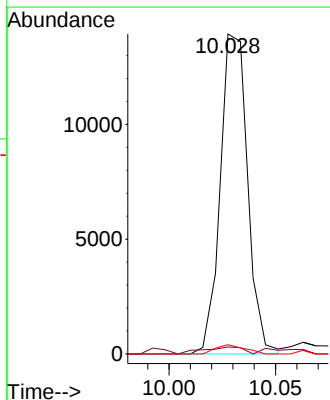
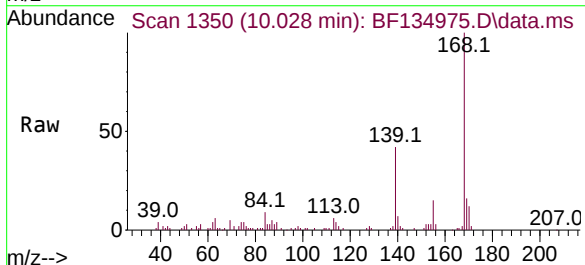
Instrument :
BNA_F
ClientSampleId :
TP-11(1-2)DL

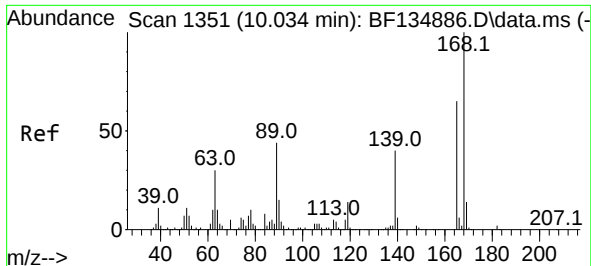
Tgt Ion:168 Resp: 31241
Ion Ratio Lower Upper
168 100
139 40.4 29.5 44.3
169 18.1 10.7 16.1#



#56
4-Nitrophenol
Concen: 6.037 ng
RT: 10.028 min Scan# 1350
Delta R.T. 0.071 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

Tgt Ion:139 Resp: 12444
Ion Ratio Lower Upper
139 100
109 2.2 51.0 91.0#
65 2.9 78.5 118.5#

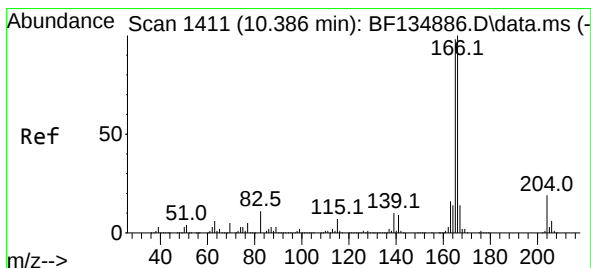
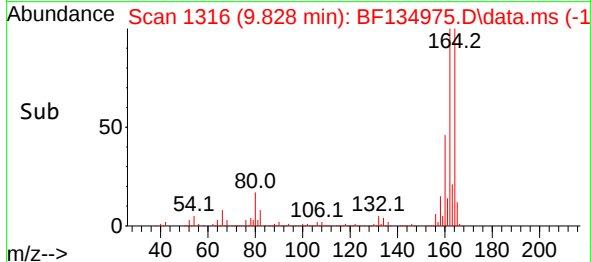
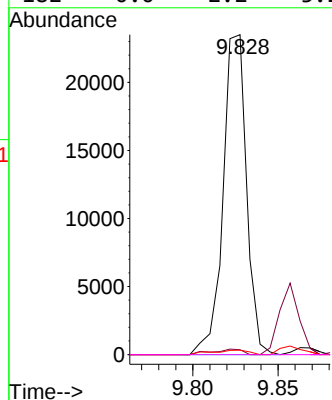
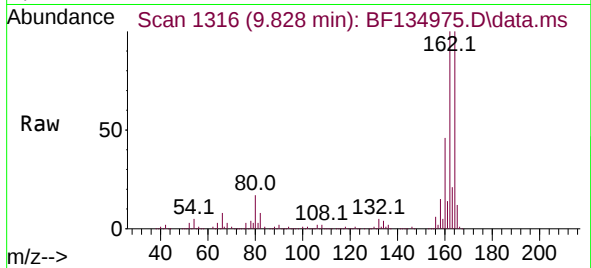




#57
2,4-Dinitrotoluene
Concen: 6.698 ng
RT: 9.828 min Scan# 1351
Delta R.T. -0.206 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

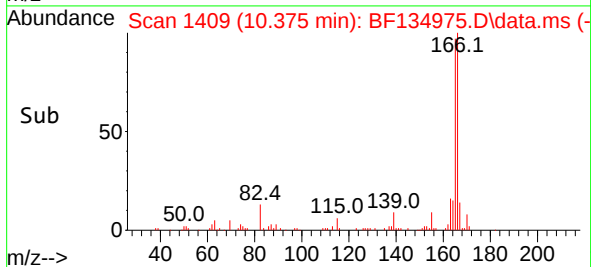
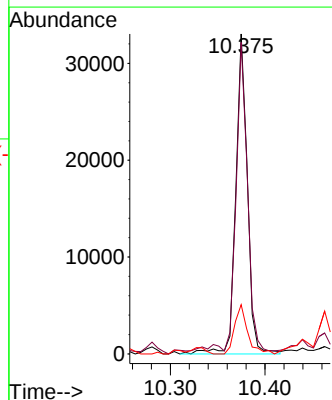
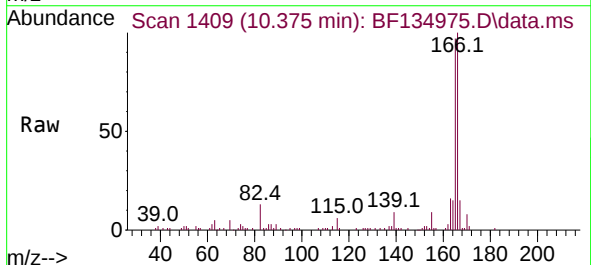
Instrument :
BNA_F
ClientSampleId :
TP-11(1-2)DL

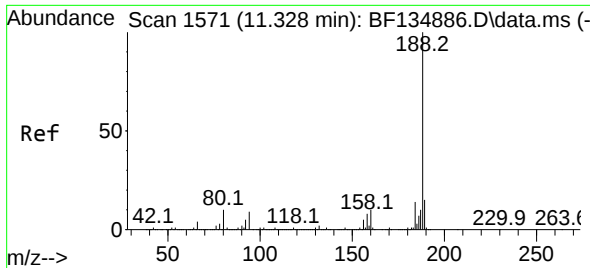
Tgt Ion:165 Resp: 22432
Ion Ratio Lower Upper
165 100
63 1.5 37.7 56.5#
89 1.4 54.2 81.4#
182 0.0 2.2 3.2#



#58
Fluorene
Concen: 2.589 ng
RT: 10.375 min Scan# 1409
Delta R.T. -0.011 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

Tgt Ion:166 Resp: 28203
Ion Ratio Lower Upper
166 100
165 97.3 78.5 117.7
167 15.4 11.0 16.6

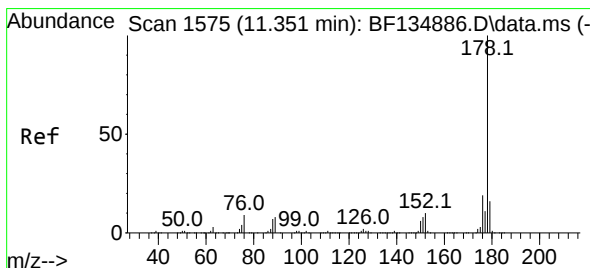
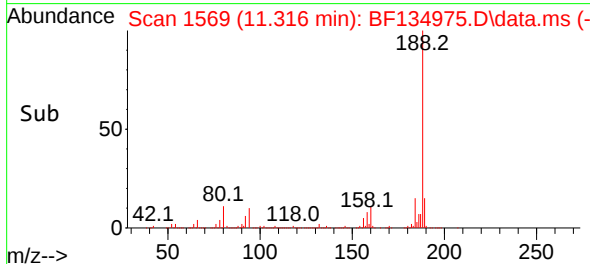
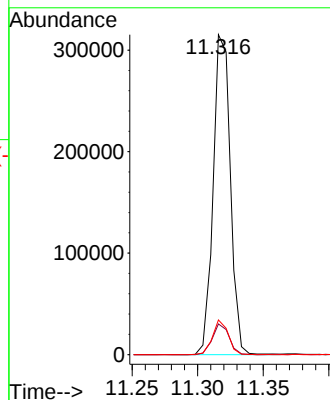
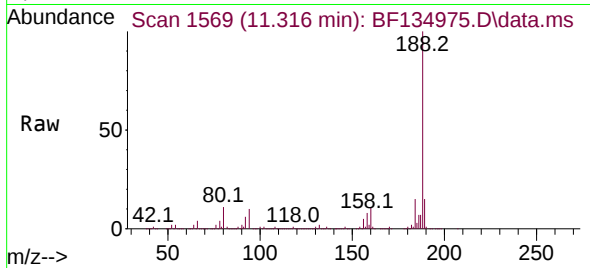




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

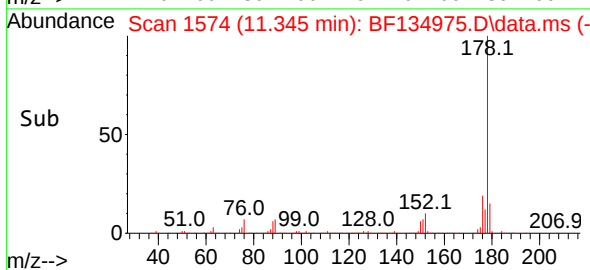
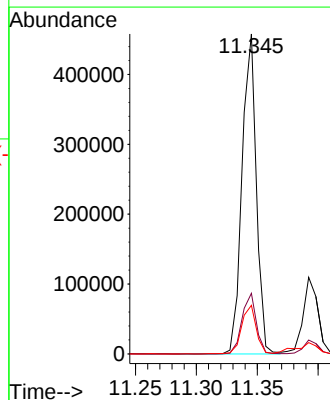
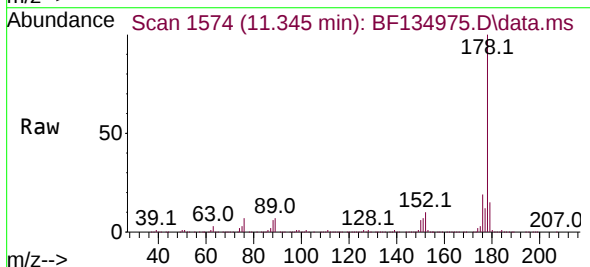
Instrument :
BNA_F
ClientSampleId :
TP-11(1-2)DL

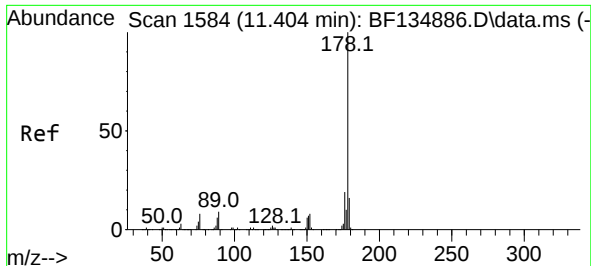
Tgt Ion:188 Resp: 287983
Ion Ratio Lower Upper
188 100
94 9.6 7.5 11.3
80 10.8 7.8 11.6



#71
Phenanthrene
Concen: 24.748 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

Tgt Ion:178 Resp: 373462
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 15.2 12.6 19.0

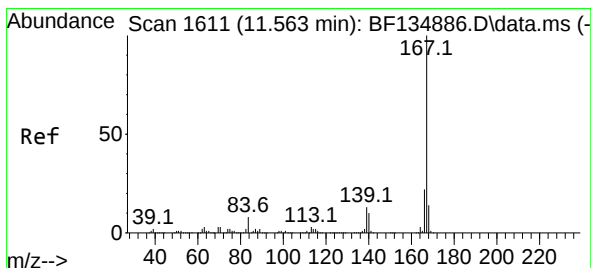
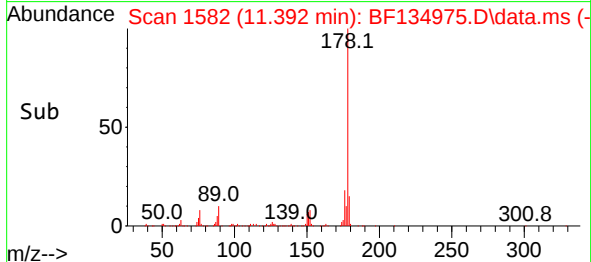
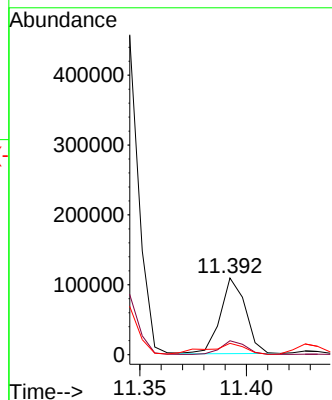
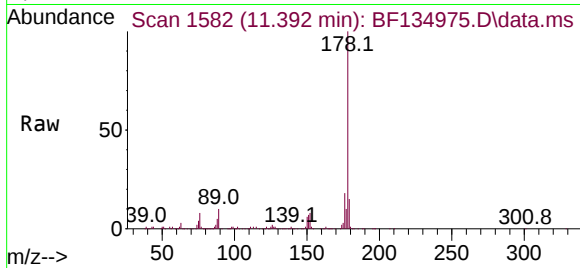




#72
 Anthracene
 Concen: 5.776 ng
 RT: 11.392 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF134975.D
 Acq: 28 Aug 2023 18:41

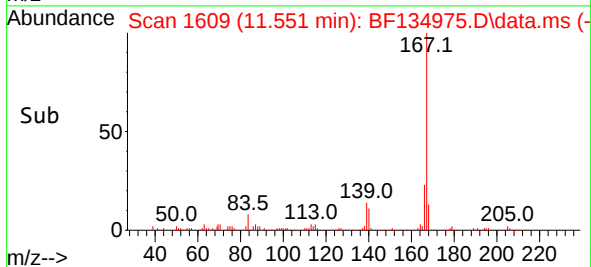
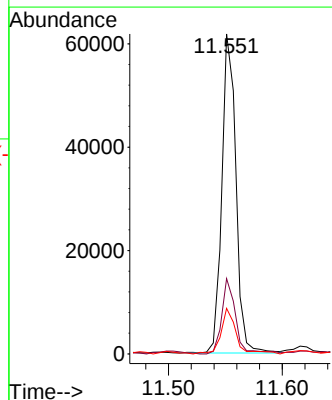
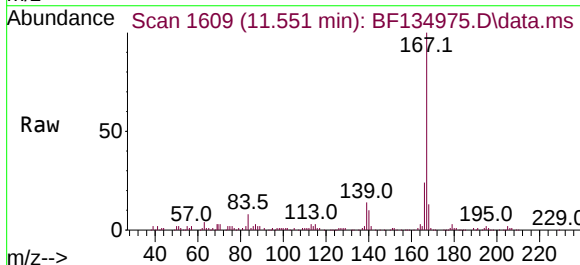
Instrument :
 BNA_F
 ClientSampleId :
 TP-11(1-2)DL

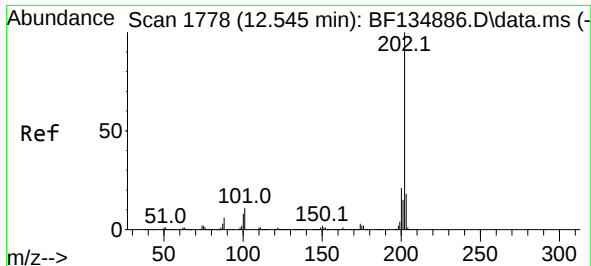
Tgt Ion:178 Resp: 89315
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.0 22.6
 179 14.7 12.5 18.7



#73
 Carbazole
 Concen: 4.165 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.012 min
 Lab File: BF134975.D
 Acq: 28 Aug 2023 18:41

Tgt Ion:167 Resp: 53061
 Ion Ratio Lower Upper
 167 100
 166 23.5 17.4 26.2
 139 14.2 10.4 15.6

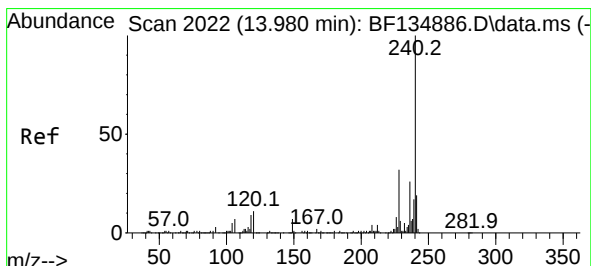
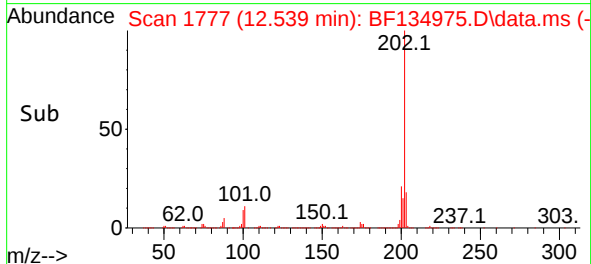
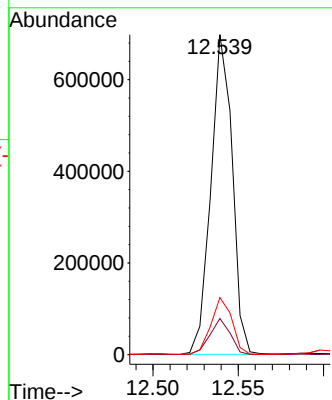
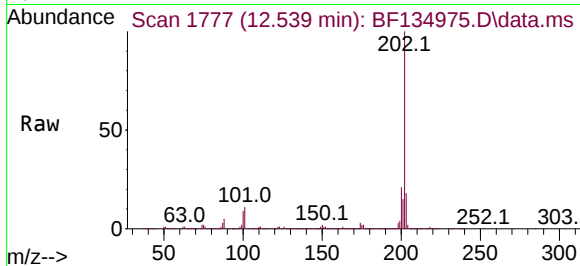




#75
Fluoranthene
Concen: 42.524 ng
RT: 12.539 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

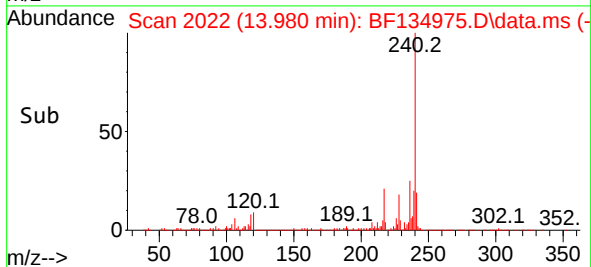
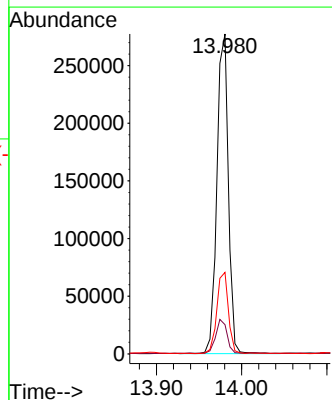
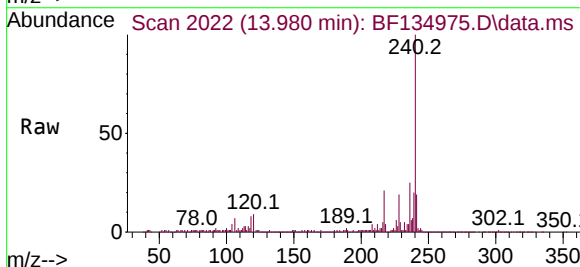
Instrument :
BNA_F
ClientSampleId :
TP-11(1-2)DL

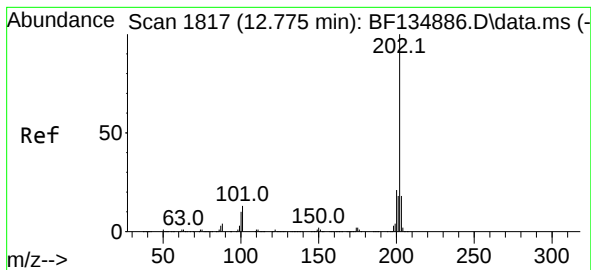
Tgt Ion:202 Resp: 608039
Ion Ratio Lower Upper
202 100
101 11.3 0.0 30.5
203 17.9 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

Tgt Ion:240 Resp: 257775
Ion Ratio Lower Upper
240 100
120 9.2 8.6 12.8
236 25.5 20.6 31.0





#78

Pyrene

Concen: 20.141 ng

RT: 12.769 min Scan# 1816

Delta R.T. -0.006 min

Lab File: BF134975.D

Acq: 28 Aug 2023 18:41

Instrument :

BNA_F

ClientSampleId :

TP-11(1-2)DL

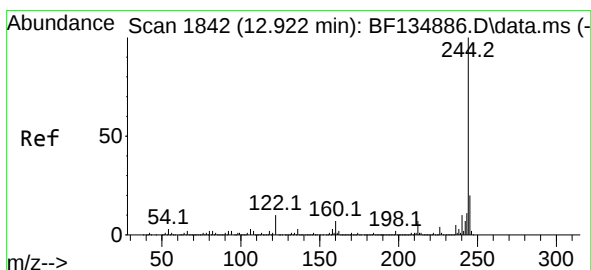
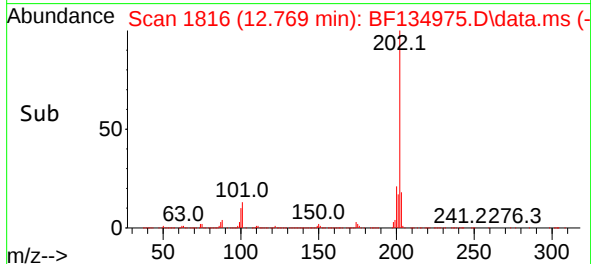
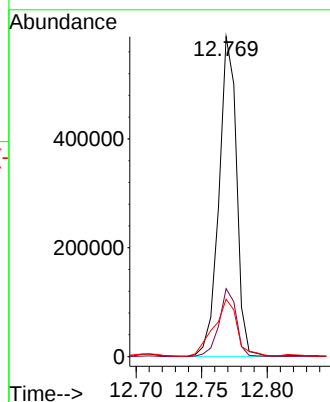
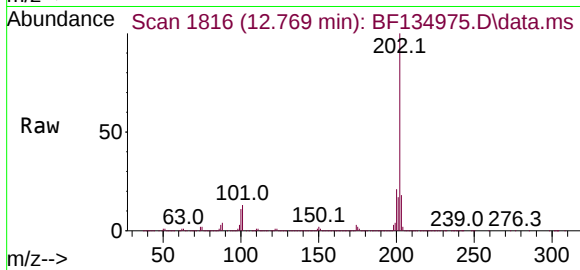
Tgt Ion:202 Resp: 550485

Ion Ratio Lower Upper

202 100

200 21.2 17.1 25.7

203 17.9 14.2 21.2



#79

Terphenyl-d14

Concen: 17.596 ng

RT: 12.916 min Scan# 1841

Delta R.T. -0.006 min

Lab File: BF134975.D

Acq: 28 Aug 2023 18:41

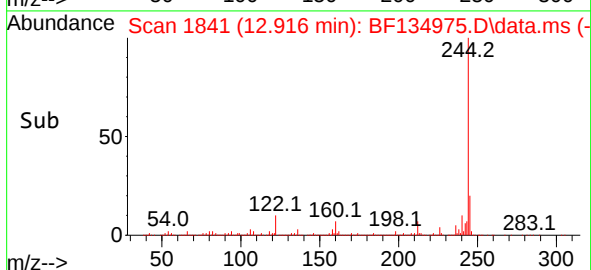
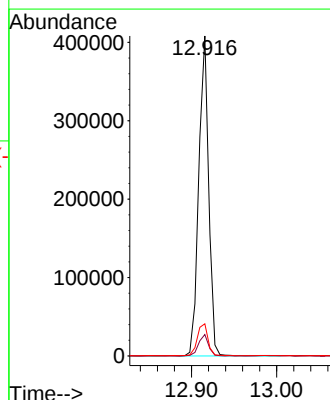
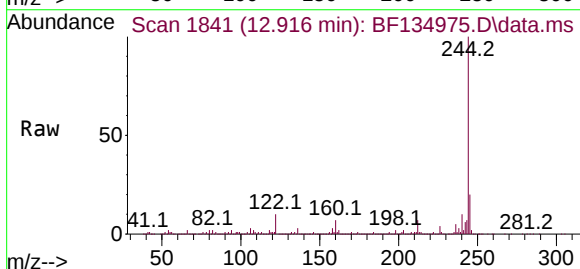
Tgt Ion:244 Resp: 329789

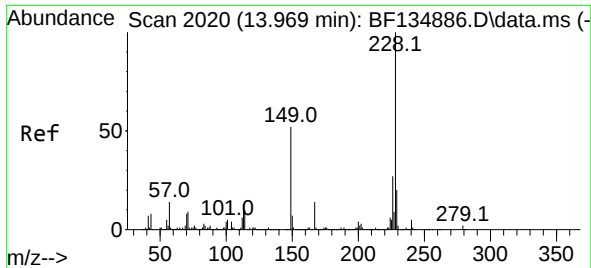
Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 10.0 8.2 12.4

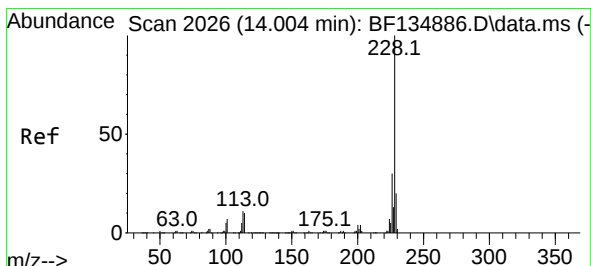
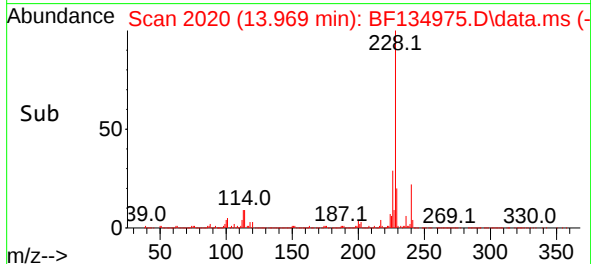
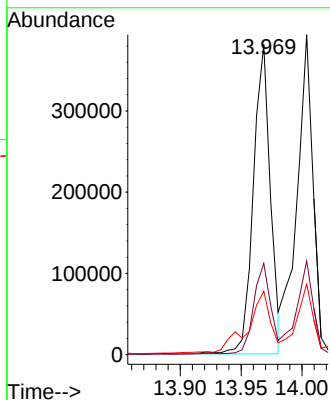
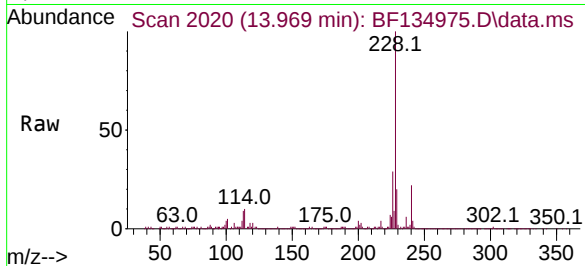




#81
Benzo(a)anthracene
Concen: 21.105 ng
RT: 13.969 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

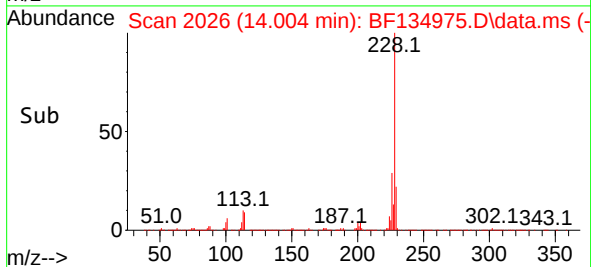
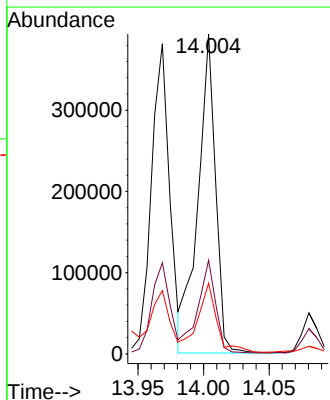
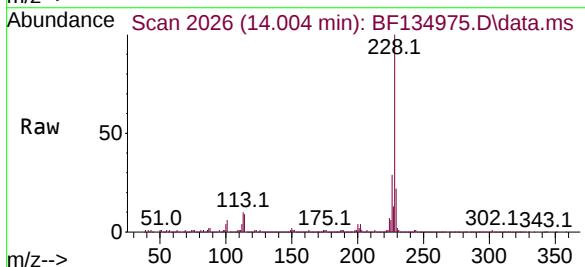
Instrument :
BNA_F
ClientSampleId :
TP-11(1-2)DL

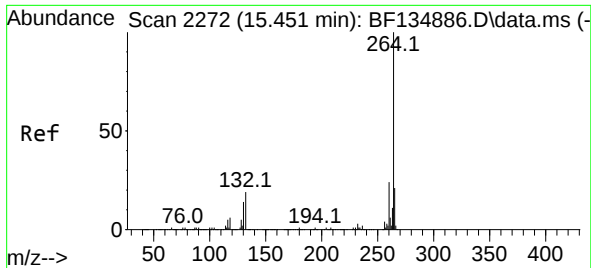
Tgt Ion:228 Resp: 371183
Ion Ratio Lower Upper
228 100
226 29.4 21.8 32.6
229 20.4 15.6 23.4



#83
Chrysene
Concen: 21.134 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

Tgt Ion:228 Resp: 366730
Ion Ratio Lower Upper
228 100
226 29.3 24.2 36.2
229 22.1 16.0 24.0



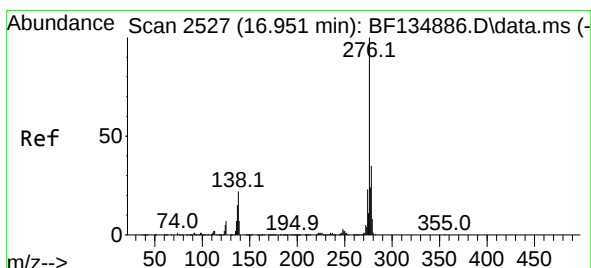
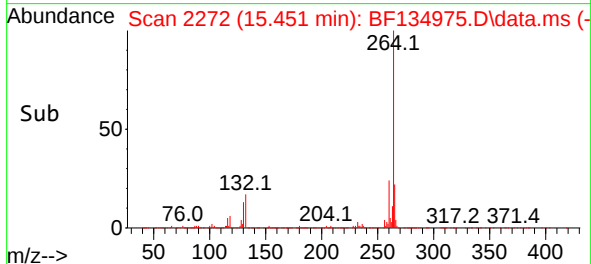
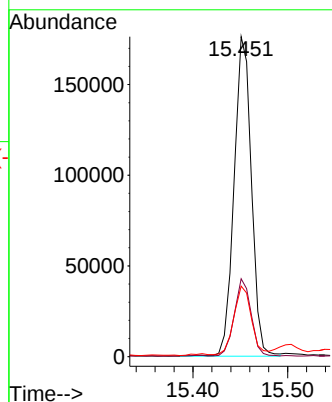
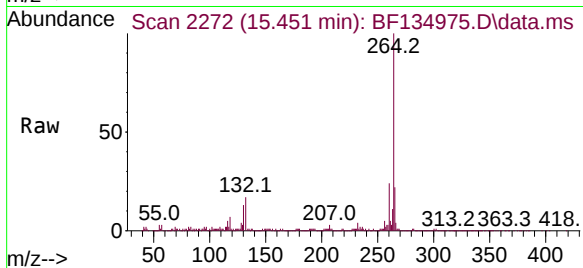


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2272
Delta R.T. 0.000 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

Instrument :
BNA_F
ClientSampleId :
TP-11(1-2)DL

Tgt Ion:264 Resp: 224479

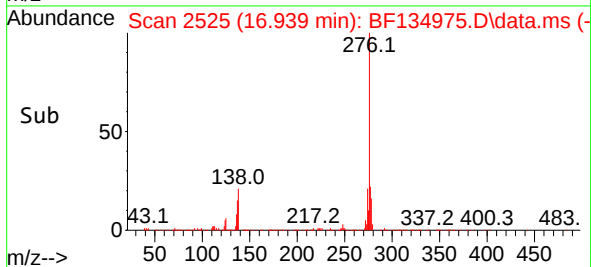
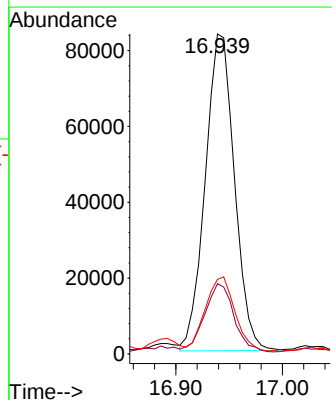
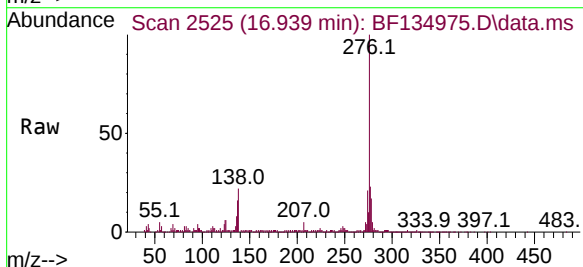
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.0	28.6
265	22.1	17.1	25.7

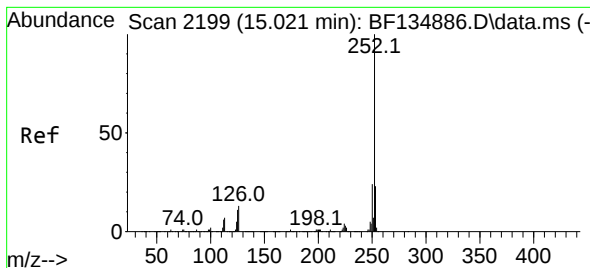


#87
Indeno(1,2,3-cd)pyrene
Concen: 9.934 ng
RT: 16.939 min Scan# 2525
Delta R.T. -0.012 min
Lab File: BF134975.D
Acq: 28 Aug 2023 18:41

Tgt Ion:276 Resp: 159393

Ion	Ratio	Lower	Upper
276	100		
138	21.7	19.7	29.5
277	23.8	20.1	30.1





#88

Benzo(b)fluoranthene

Concen: 47.665 ng

RT: 15.021 min Scan# 2199

Delta R.T. 0.000 min

Lab File: BF134975.D

Acq: 28 Aug 2023 18:41

Instrument :

BNA_F

ClientSampleId :

TP-11(1-2)DL

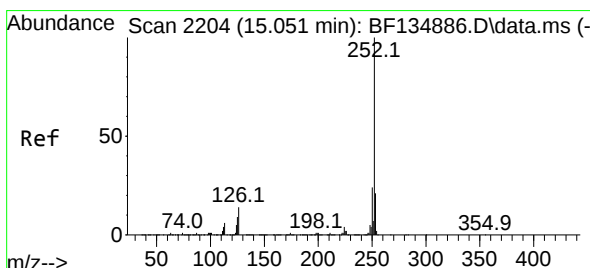
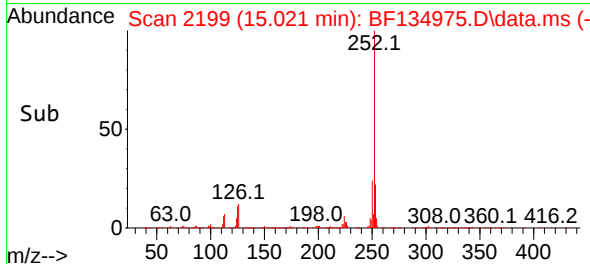
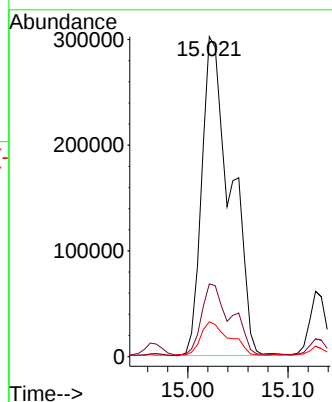
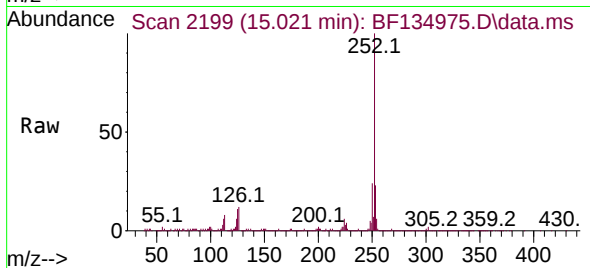
Tgt Ion:252 Resp: 603670

Ion Ratio Lower Upper

252 100

253 22.7 18.1 27.1

125 10.9 8.4 12.6



#89

Benzo(k)fluoranthene

Concen: 48.539 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.029 min

Lab File: BF134975.D

Acq: 28 Aug 2023 18:41

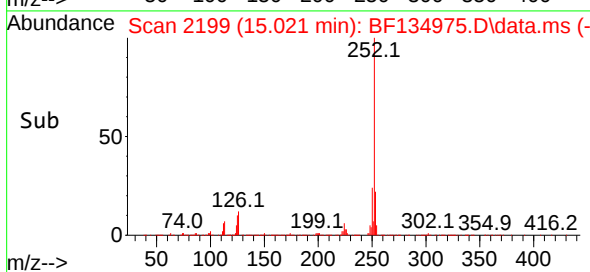
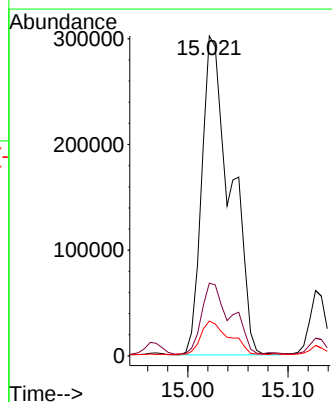
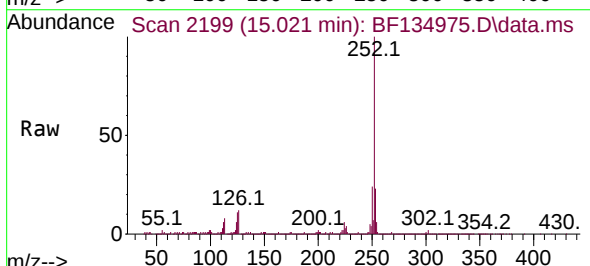
Tgt Ion:252 Resp: 603670

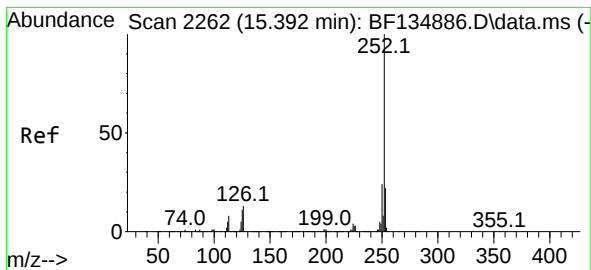
Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

125 10.9 8.0 12.0





#90

Benzo(a)pyrene

Concen: 24.600 ng

RT: 15.392 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134975.D

Acq: 28 Aug 2023 18:41

Instrument :

BNA_F

ClientSampleId :

TP-11(1-2)DL

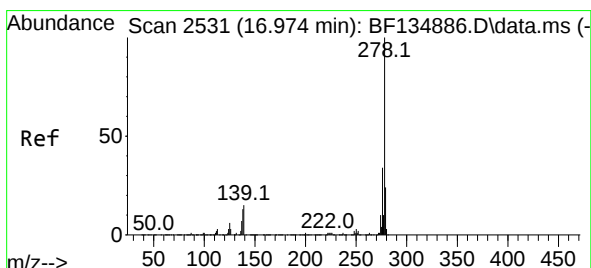
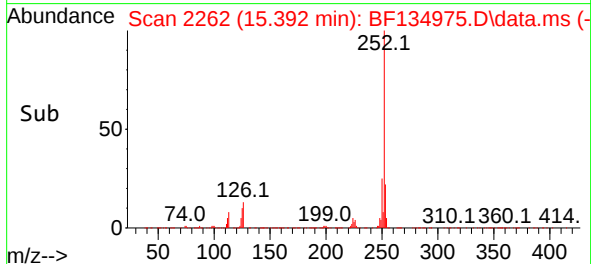
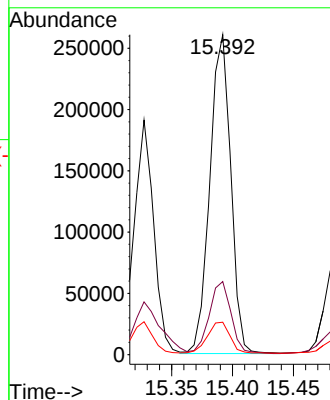
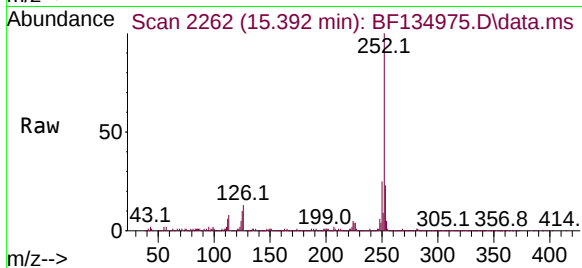
Tgt Ion:252 Resp: 311024

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 10.1 8.4 12.6



#91

Dibenzo(a,h)anthracene

Concen: 3.189 ng

RT: 16.951 min Scan# 2527

Delta R.T. -0.024 min

Lab File: BF134975.D

Acq: 28 Aug 2023 18:41

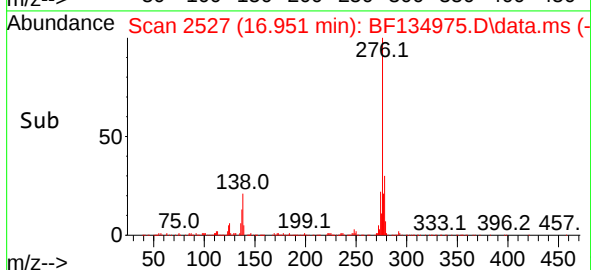
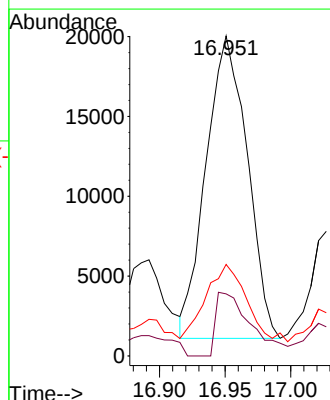
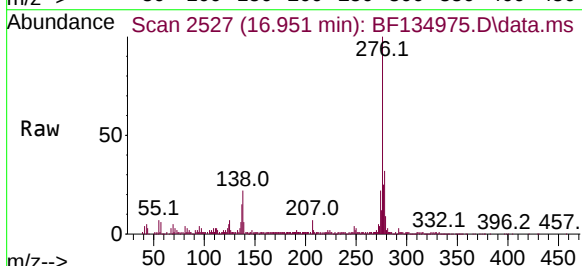
Tgt Ion:278 Resp: 41406

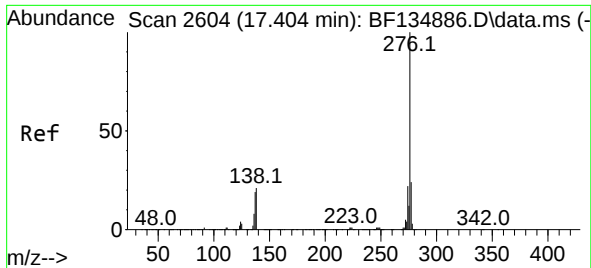
Ion Ratio Lower Upper

278 100

139 19.4 12.2 18.4#

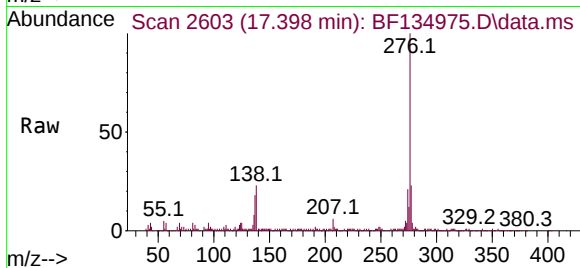
279 28.6 19.1 28.7





#92
 Benzo(g,h,i)perylene
 Concen: 11.369 ng
 RT: 17.398 min Scan# 2603
 Delta R.T. -0.006 min
 Lab File: BF134975.D
 Acq: 28 Aug 2023 18:41

Instrument :
 BNA_F
 ClientSampleId :
 TP-11(1-2)DL



Tgt Ion:	276	Resp:	151093
Ion Ratio	Lower	Upper	
276	100		
277	23.2	19.2	28.8
138	23.0	17.0	25.6

