

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022125\
 Data File : BF141729.D
 Acq On : 21 Feb 2025 19:43
 Operator : RC/JU
 Sample : Q1398-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HANDHOLD

Quant Time: Feb 21 21:51:16 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)

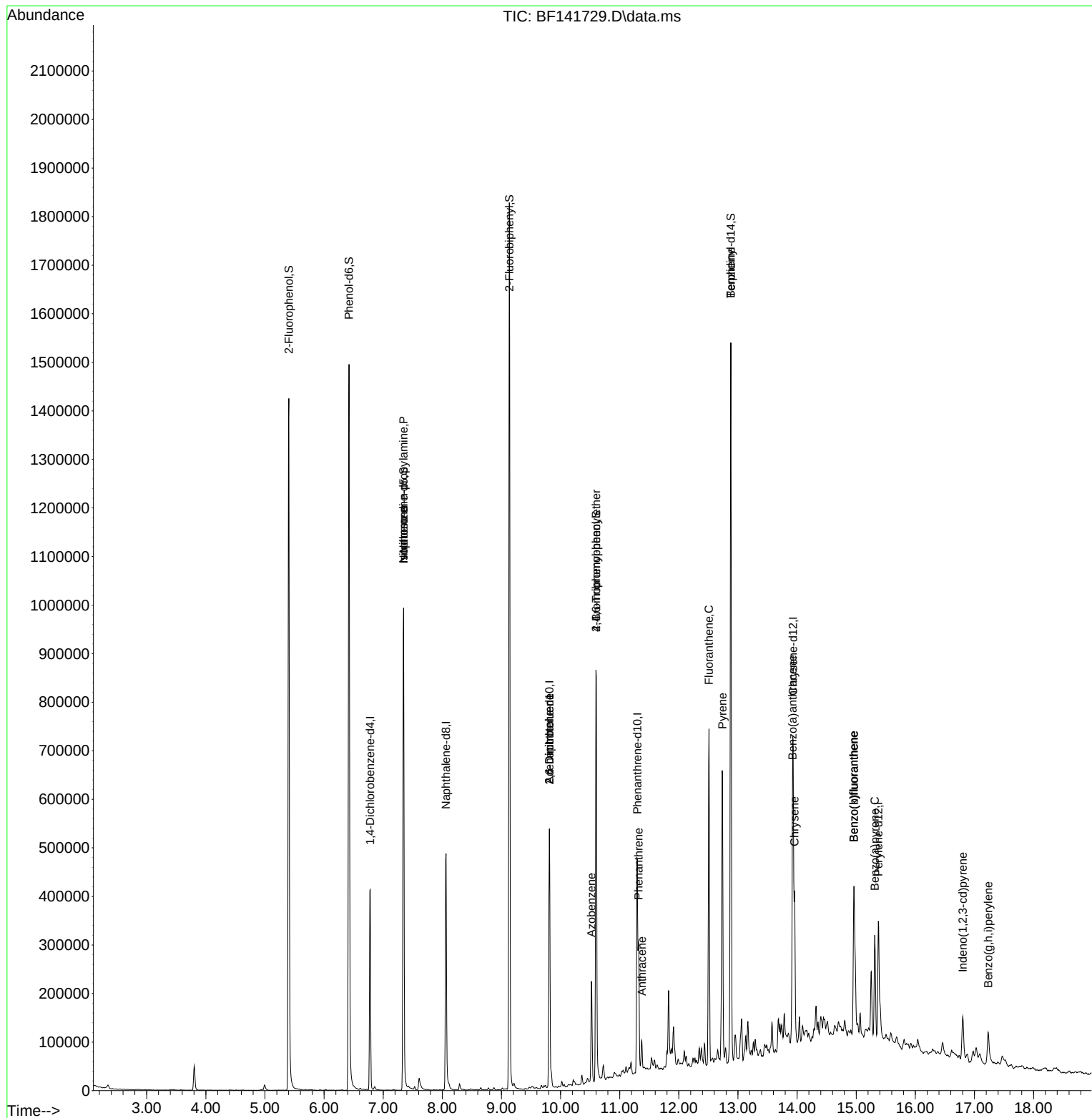
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	88220	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	346685	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	166947	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	233447	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	182268	20.000	ng	-0.03
86) Perylene-d12	15.374	264	144701	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	571770	101.608	ng	0.00
7) Phenol-d6	6.422	99	715010	100.531	ng	-0.02
23) Nitrobenzene-d5	7.345	82	463047	69.665	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	148044	88.276	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	816127	75.315	ng	-0.02
79) Terphenyl-d14	12.880	244	719932	66.680	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	61461	14.447	ng	# 73
25) Isophorone	7.345	82	451605	42.612	ng	# 66
51) 2,6-Dinitrotoluene	9.810	165	21278	8.588	ng	# 23
57) 2,4-Dinitrotoluene	9.810	165	21278	6.451	ng	# 19
63) Azobenzene	10.522	77	53327	4.811	ng	# 1
67) 4-Bromophenyl-phenylether	10.604	248	10184	3.903	ng	# 1
71) Phenanthrene	11.321	178	142971	11.126	ng	98
72) Anthracene	11.374	178	41258	3.194	ng	99
75) Fluoranthene	12.510	202	396307	29.089	ng	99
77) Benzidine	12.880	184	10286	2.559	ng	# 94
78) Pyrene	12.739	202	365391	23.549	ng	99
81) Benzo(a)anthracene	13.921	228	213886	17.653	ng	98
83) Chrysene	13.957	228	170662	15.255	ng	98
87) Indeno(1,2,3-cd)pyrene	16.803	276	60128	6.725	ng	98
88) Benzo(b)fluoranthene	14.962	252	257258	26.478	ng	96
89) Benzo(k)fluoranthene	14.962	252	257258	31.008	ng	98
90) Benzo(a)pyrene	15.315	252	126047	16.033	ng	96
92) Benzo(g,h,i)perylene	17.233	276	55537	7.326	ng	97

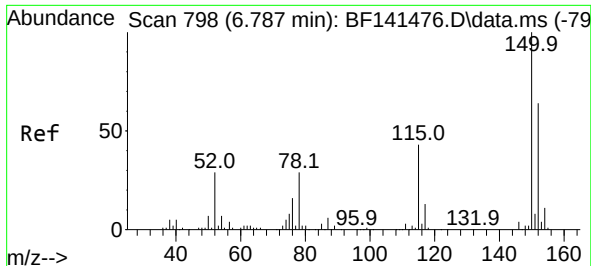
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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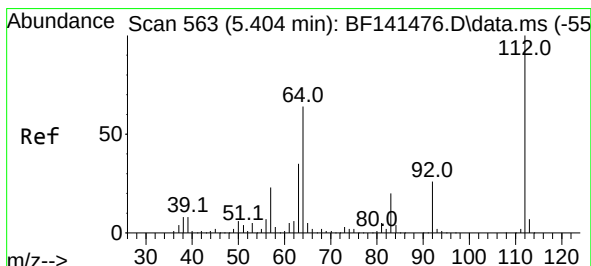
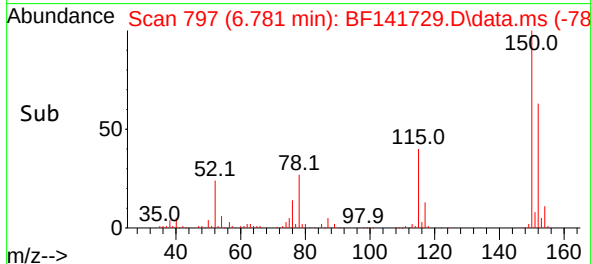
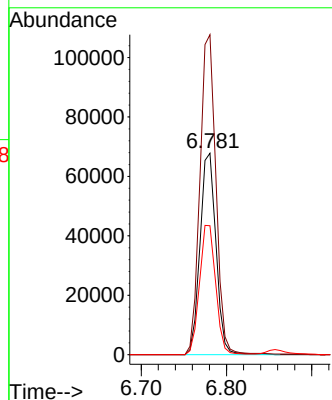
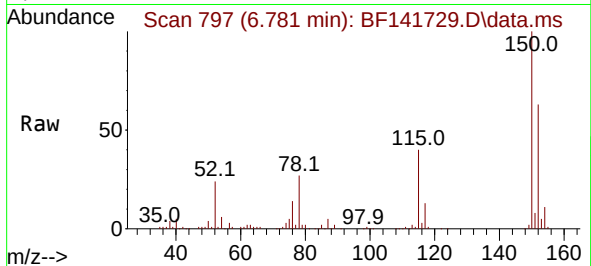




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

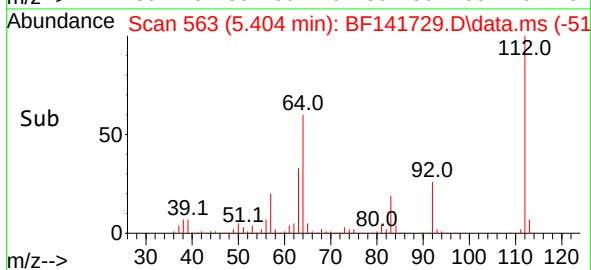
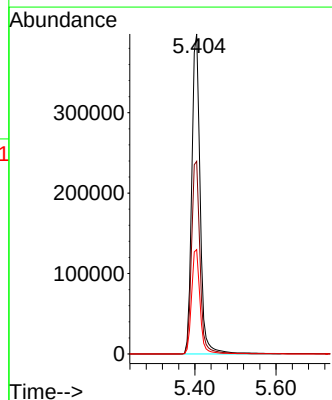
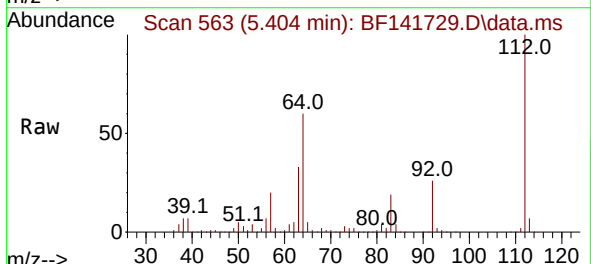
Instrument :
BNA_F
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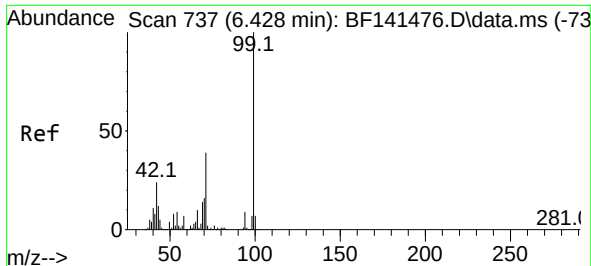
Tgt Ion:152 Resp: 88220
Ion Ratio Lower Upper
152 100
150 158.9 125.0 187.4
115 64.1 53.6 80.4



#5
2-Fluorophenol
Concen: 101.608 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

Tgt Ion:112 Resp: 571770
Ion Ratio Lower Upper
112 100
64 60.2 51.1 76.7
63 32.6 28.4 42.6

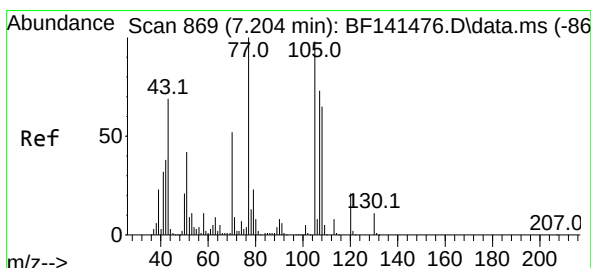
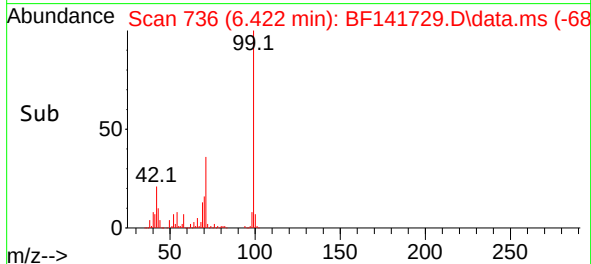
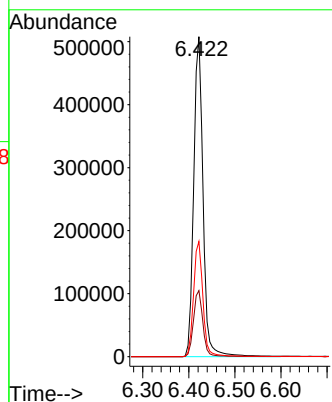
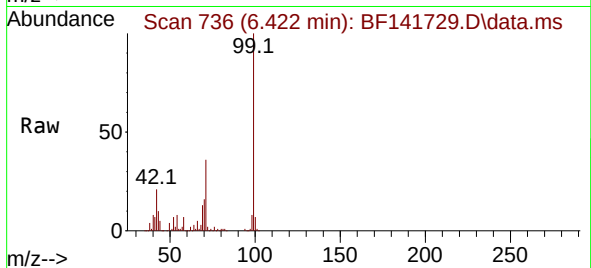




#7
Phenol-d6
Concen: 100.531 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

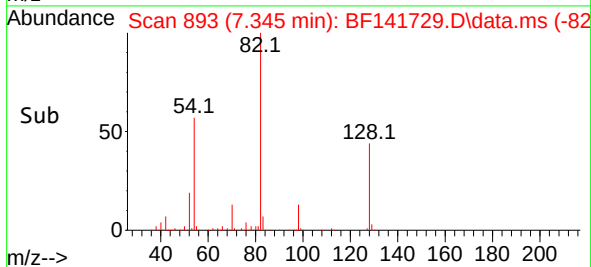
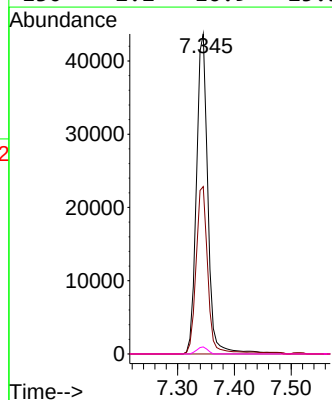
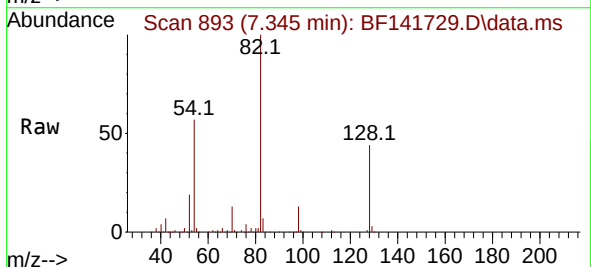
Instrument :
BNA_F
ClientSampleId :
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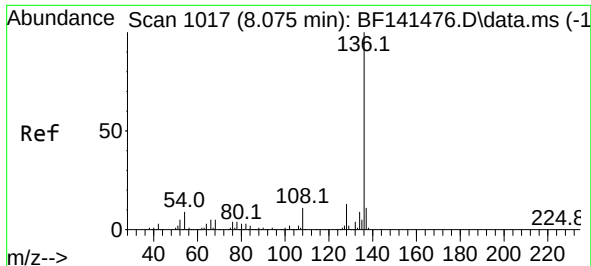
Tgt Ion: 99 Resp: 715010
Ion Ratio Lower Upper
99 100
42 20.7 19.1 28.7
71 36.0 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 14.447 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.129 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

Tgt Ion: 70 Resp: 61461
Ion Ratio Lower Upper
70 100
42 52.3 57.4 86.2#
101 0.0 8.0 12.0#
130 2.2 16.9 25.3#

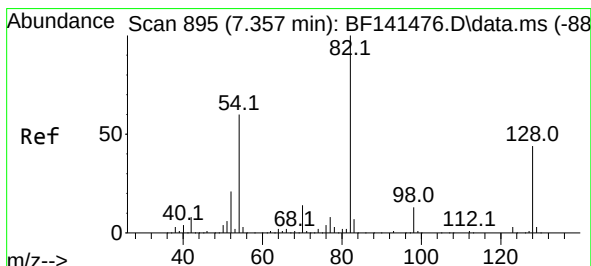
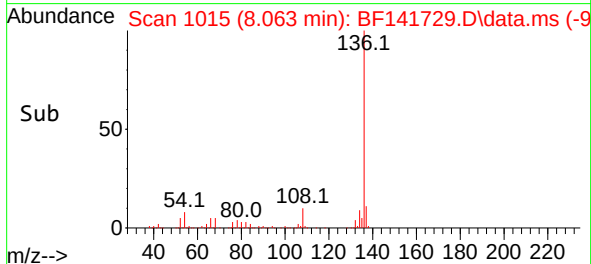
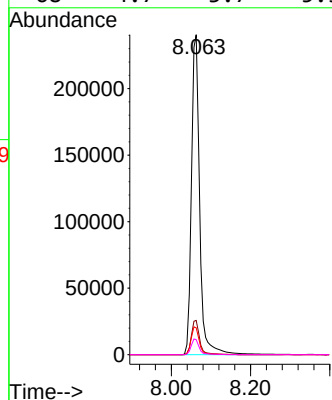
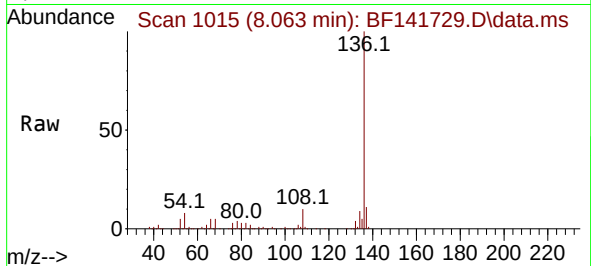




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

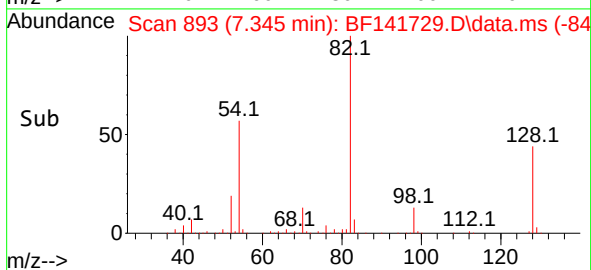
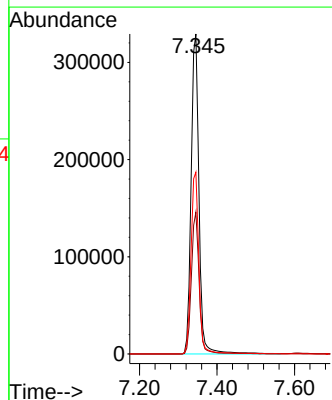
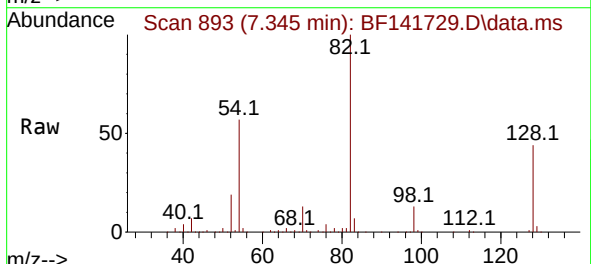
Instrument :
BNA_F
ClientSampleId :
HANDHOLD

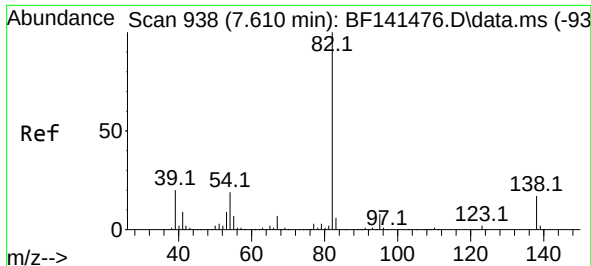
Tgt Ion:136 Resp: 346685
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.4 7.2 10.8
68 4.7 3.7 5.5



#23
Nitrobenzene-d5
Concen: 69.665 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

Tgt Ion: 82 Resp: 463047
Ion Ratio Lower Upper
82 100
128 44.3 34.8 52.2
54 56.8 48.2 72.4

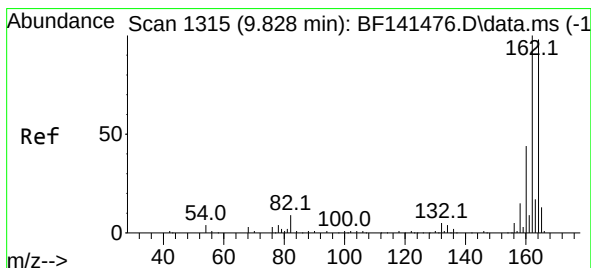
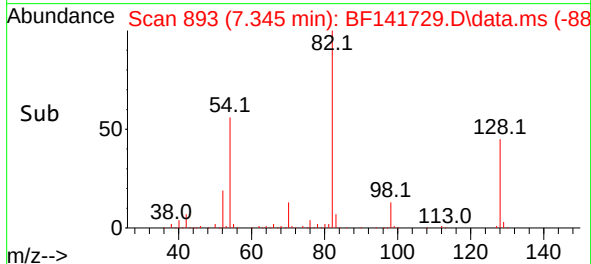
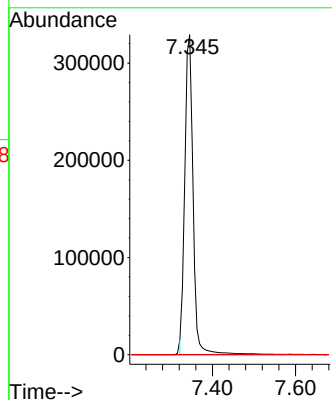
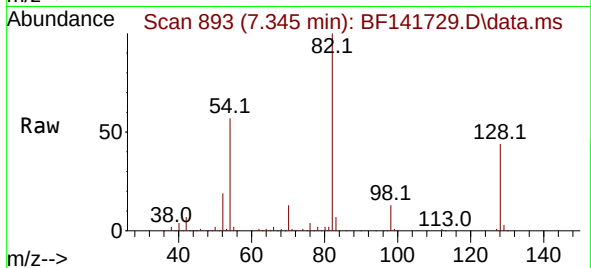




#25
Isophorone
Concen: 42.612 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

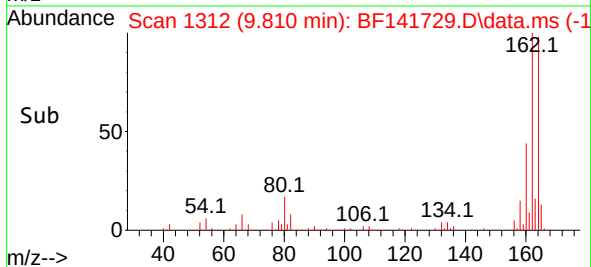
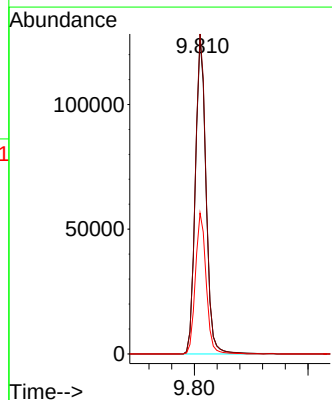
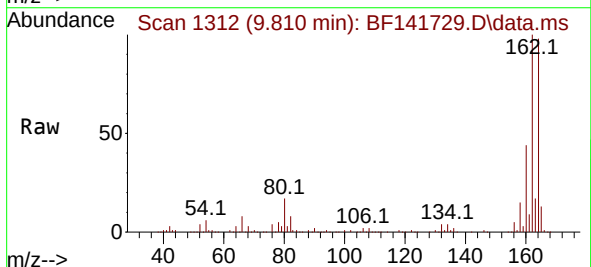
Instrument :
BNA_F
ClientSampleId :
HANDHOLD

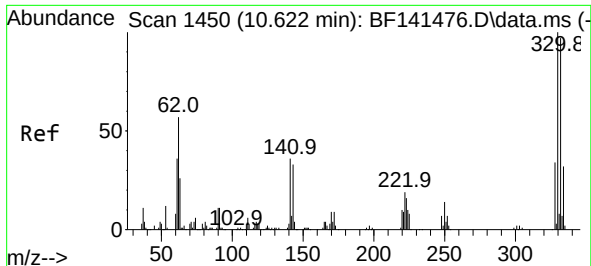
Tgt Ion: 82 Resp: 451605
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.024 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

Tgt Ion:164 Resp: 166947
Ion Ratio Lower Upper
164 100
162 101.5 81.3 121.9
160 44.7 35.9 53.9

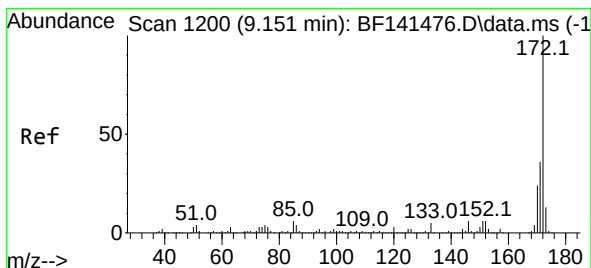
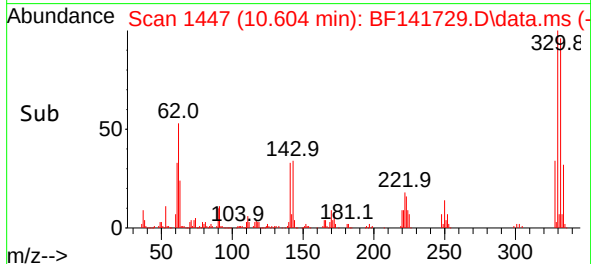
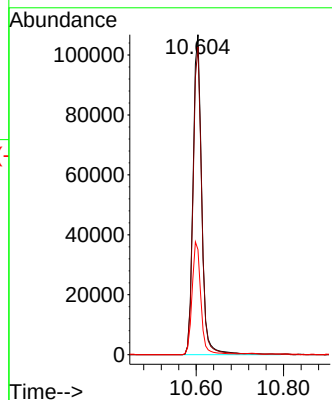
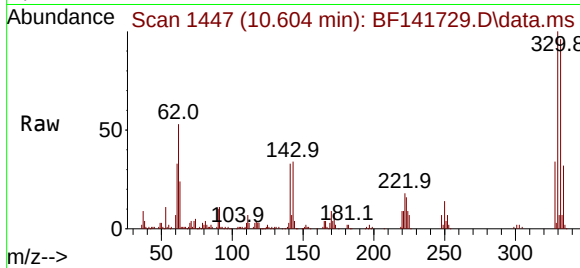




#42
2,4,6-Tribromophenol
Concen: 88.276 ng
RT: 10.604 min Scan# 1450
Delta R.T. -0.023 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

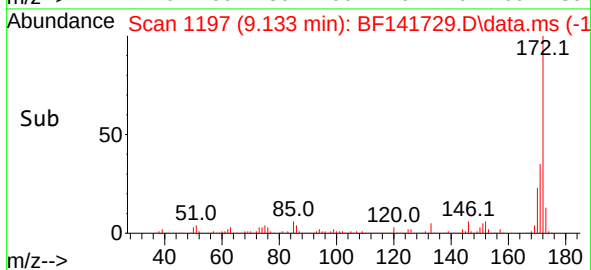
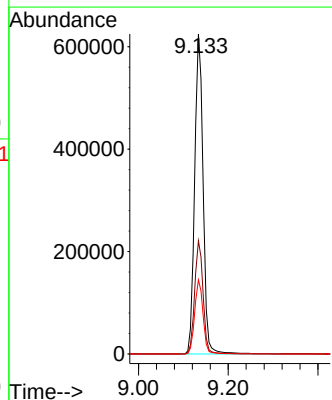
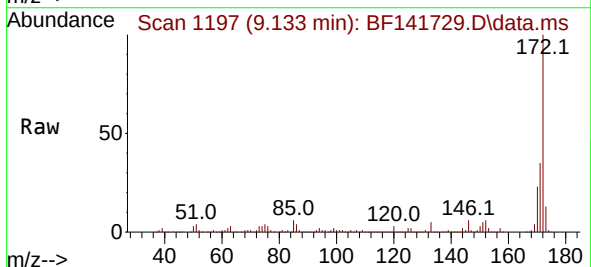
Instrument :
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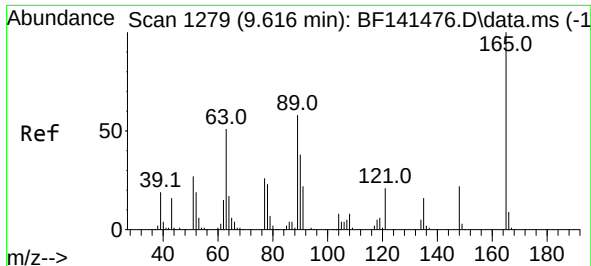
Tgt Ion:330 Resp: 148044
Ion Ratio Lower Upper
330 100
332 95.4 78.5 117.7
141 35.7 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 75.315 ng
RT: 9.133 min Scan# 1197
Delta R.T. -0.018 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

Tgt Ion:172 Resp: 816127
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 23.1 18.9 28.3

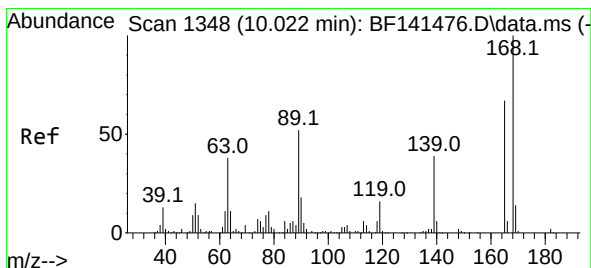
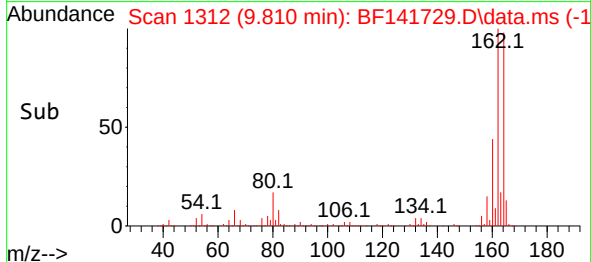
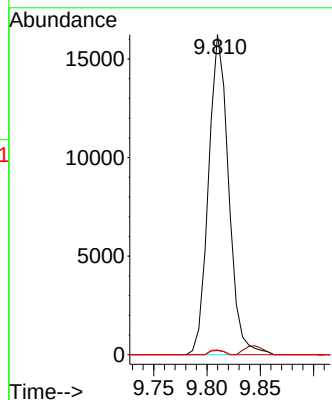
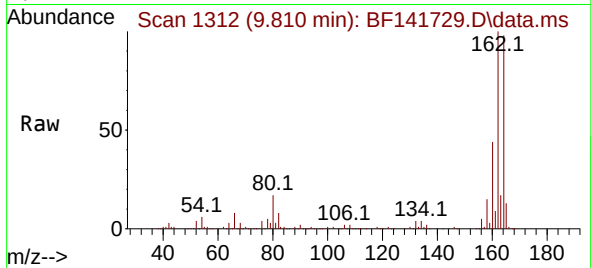




#51
2,6-Dinitrotoluene
Concen: 8.588 ng
RT: 9.810 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

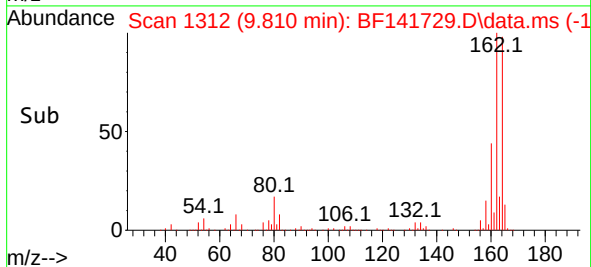
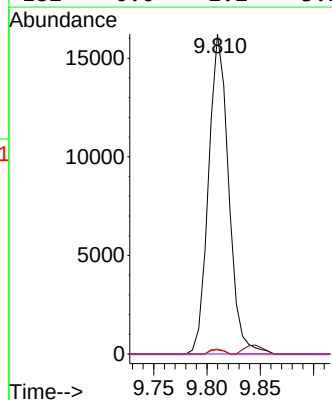
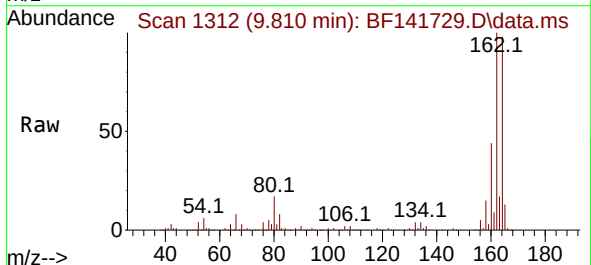
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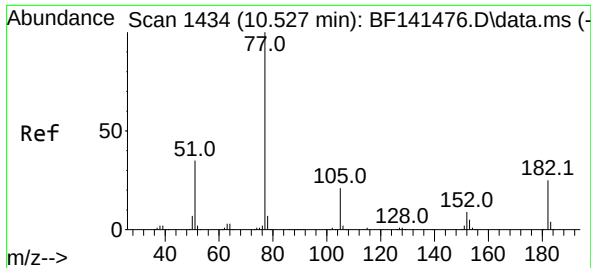
Tgt Ion:165 Resp: 21278
Ion Ratio Lower Upper
165 100
63 1.3 49.4 74.0#
89 1.5 46.5 69.7#



#57
2,4-Dinitrotoluene
Concen: 6.451 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.218 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

Tgt Ion:165 Resp: 21278
Ion Ratio Lower Upper
165 100
63 1.3 46.4 69.6#
89 1.5 61.8 92.6#
182 0.0 2.2 3.2#



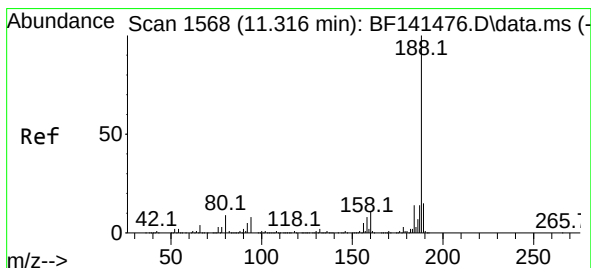
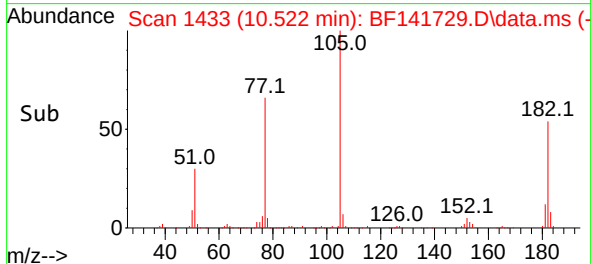
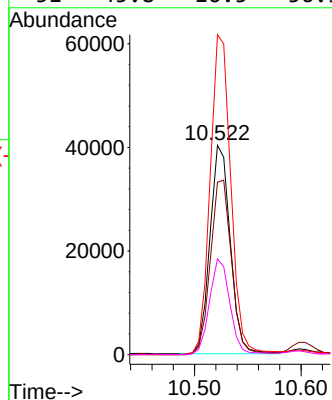
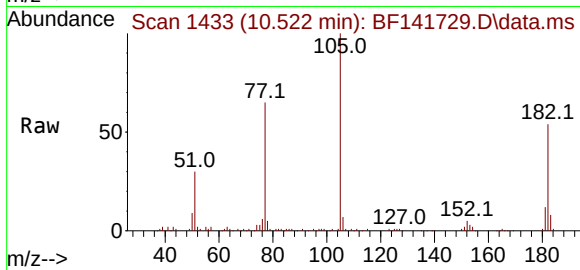


#63
 Azobenzene
 Concen: 4.811 ng
 RT: 10.522 min Scan# 1434
 Delta R.T. -0.012 min
 Lab File: BF141729.D
 Acq: 21 Feb 2025 19:43

Instrument :
 BNA_F
 ClientSampleId :
 HANDHOLD

Tgt Ion: 77 Resp: 53327

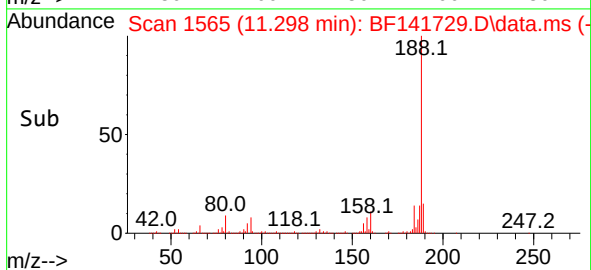
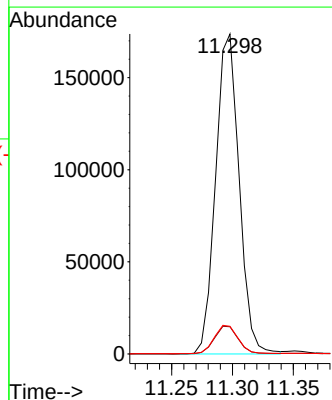
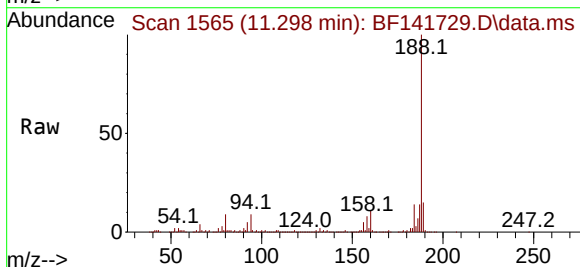
Ion	Ratio	Lower	Upper
77	100		
182	82.3	4.7	44.7#
105	152.8	0.4	40.4#
51	45.8	16.5	56.5

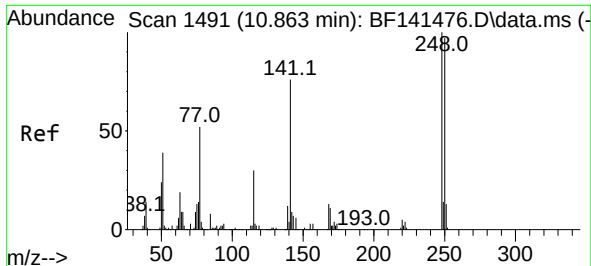


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.298 min Scan# 1565
 Delta R.T. -0.018 min
 Lab File: BF141729.D
 Acq: 21 Feb 2025 19:43

Tgt Ion: 188 Resp: 233447

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	8.7	7.3	10.9

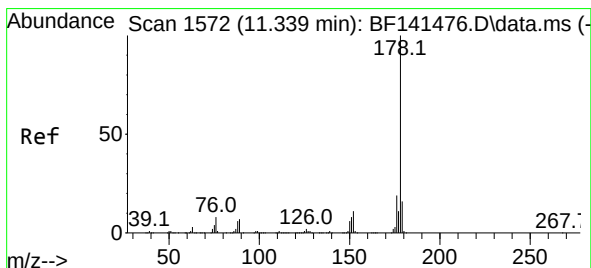
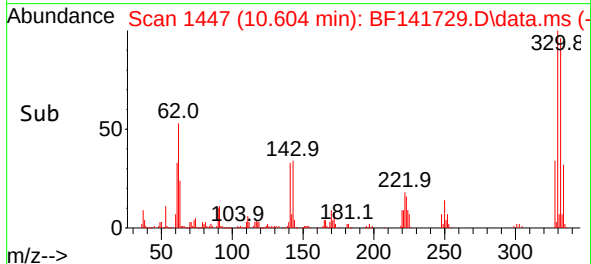
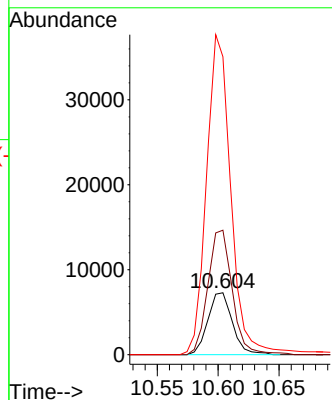
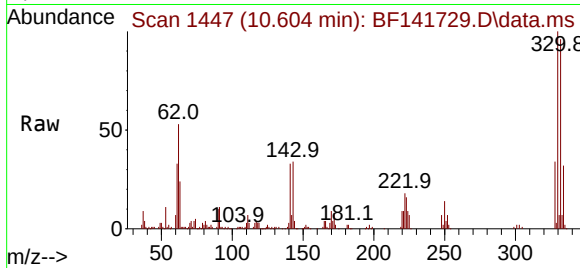




#67
4-Bromophenyl-phenylether
Concen: 3.903 ng
RT: 10.604 min Scan# 1491
Delta R.T. -0.259 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

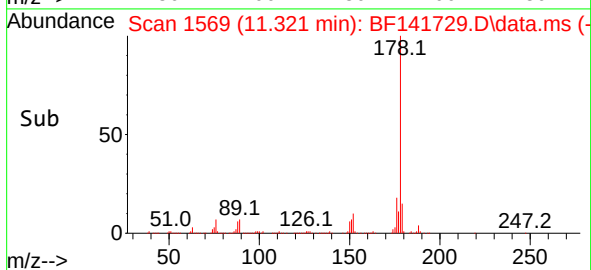
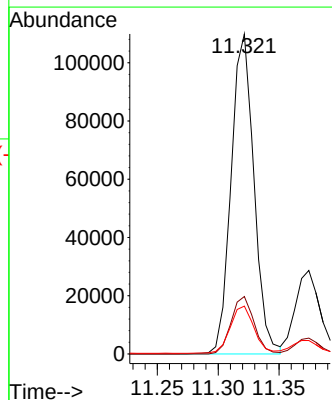
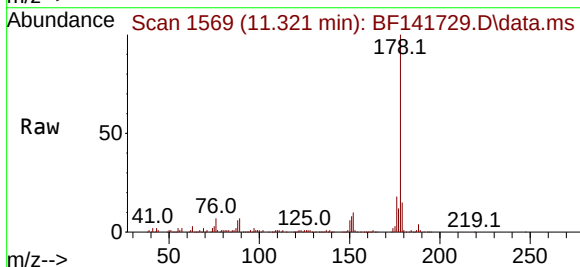
Instrument :
BNA_F
ClientSampleId :
HANDHOLD

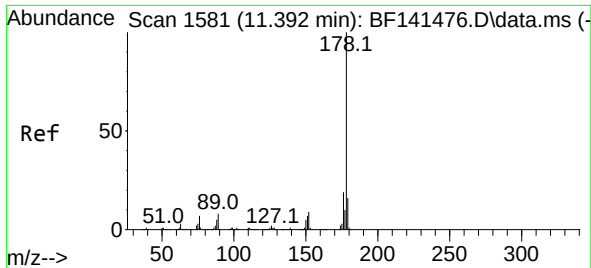
Tgt Ion:248 Resp: 10184
Ion Ratio Lower Upper
248 100
250 200.9 77.8 116.6#
141 480.7 60.6 90.8#



#71
Phenanthrene
Concen: 11.126 ng
RT: 11.321 min Scan# 1569
Delta R.T. -0.024 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

Tgt Ion:178 Resp: 142971
Ion Ratio Lower Upper
178 100
176 17.9 15.4 23.0
179 15.0 12.4 18.6

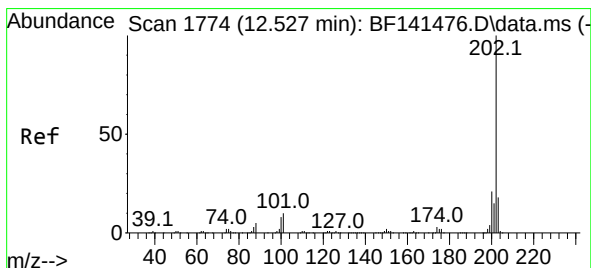
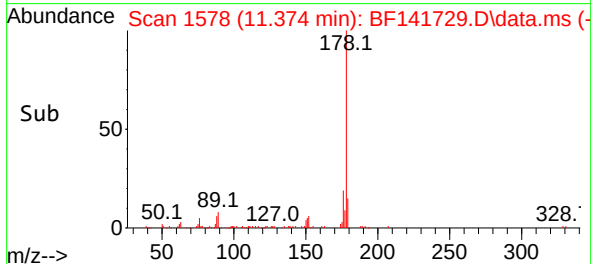
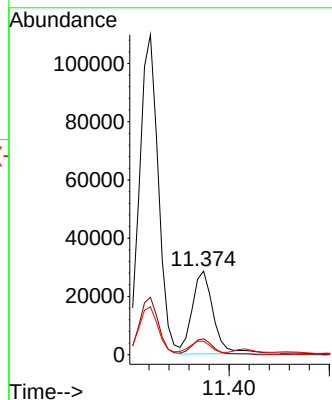
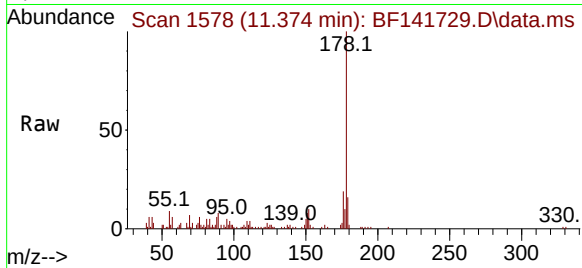




#72
 Anthracene
 Concen: 3.194 ng
 RT: 11.374 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: BF141729.D
 Acq: 21 Feb 2025 19:43

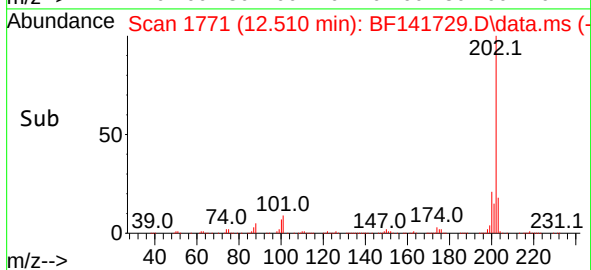
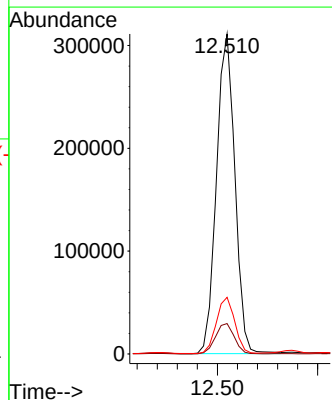
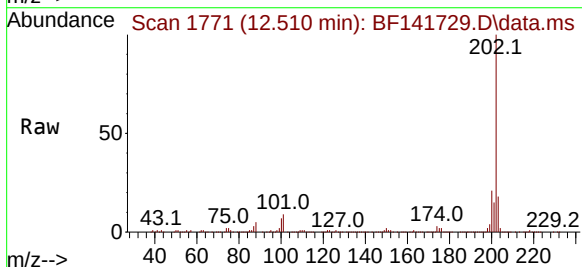
Instrument :
 BNA_F
 ClientSampleId :
 HANDHOLD

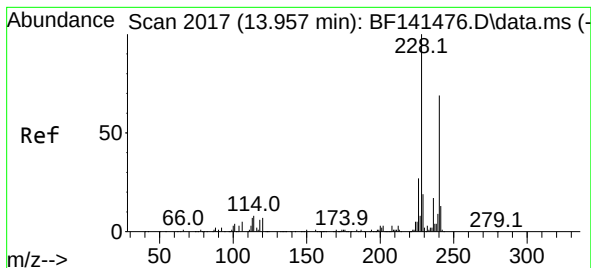
Tgt Ion:178 Resp: 41258
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.8 22.2
 179 16.0 12.4 18.6



#75
 Fluoranthene
 Concen: 29.089 ng
 RT: 12.510 min Scan# 1771
 Delta R.T. -0.023 min
 Lab File: BF141729.D
 Acq: 21 Feb 2025 19:43

Tgt Ion:202 Resp: 396307
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 30.2
 203 17.7 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: BF141729.D

Acq: 21 Feb 2025 19:43

Instrument :

BNA_F

ClientSampleId :

HANDHOLD

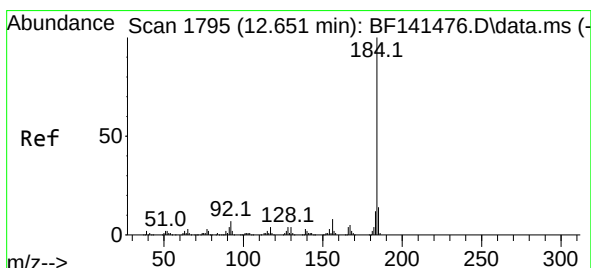
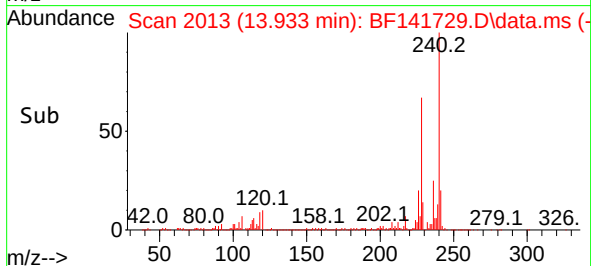
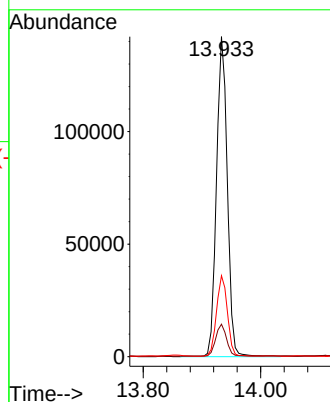
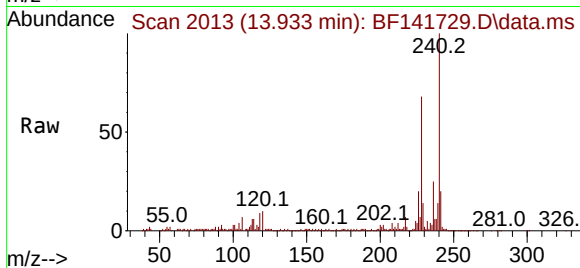
Tgt Ion:240 Resp: 182268

Ion Ratio Lower Upper

240 100

120 10.2 8.0 12.0

236 25.3 19.8 29.8



#77

Benzidine

Concen: 2.559 ng

RT: 12.880 min Scan# 1834

Delta R.T. 0.224 min

Lab File: BF141729.D

Acq: 21 Feb 2025 19:43

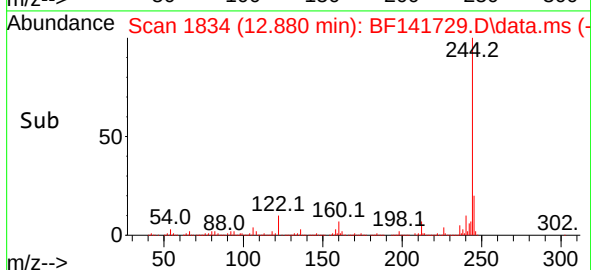
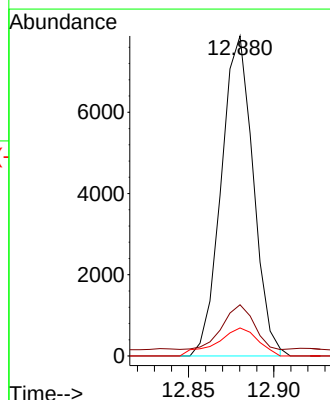
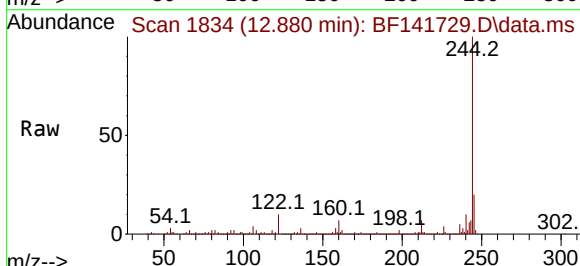
Tgt Ion:184 Resp: 10286

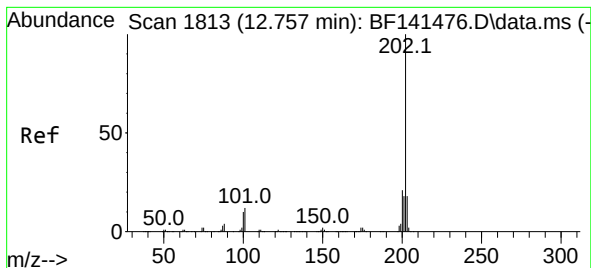
Ion Ratio Lower Upper

184 100

185 16.0 11.3 16.9

183 8.7 9.3 13.9#





#78

Pyrene

Concen: 23.549 ng

RT: 12.739 min Scan# 1810

Delta R.T. -0.024 min

Lab File: BF141729.D

Acq: 21 Feb 2025 19:43

Instrument :

BNA_F

ClientSampleId :

HANDHOLD

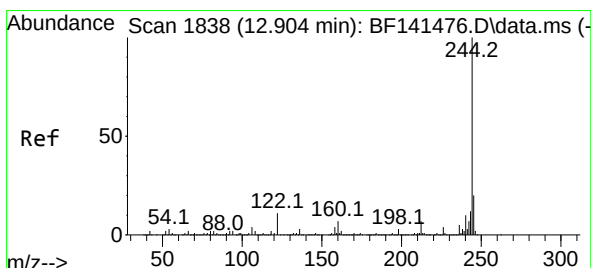
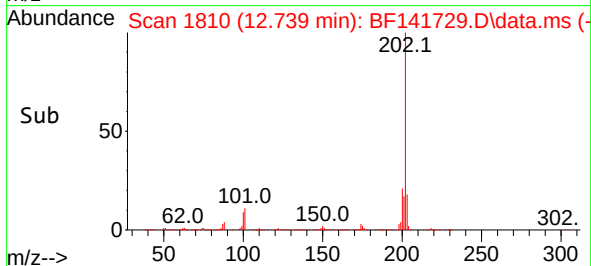
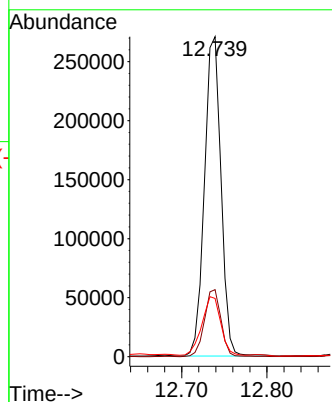
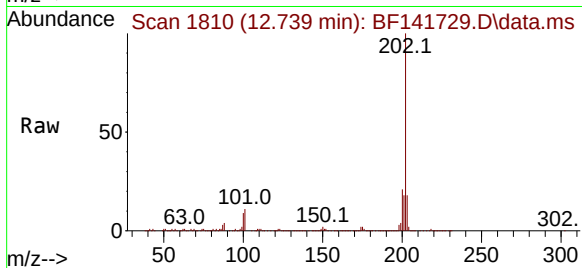
Tgt Ion:202 Resp: 365391

Ion Ratio Lower Upper

202 100

200 20.9 17.0 25.4

203 18.2 14.3 21.5



#79

Terphenyl-d14

Concen: 66.680 ng

RT: 12.880 min Scan# 1834

Delta R.T. -0.024 min

Lab File: BF141729.D

Acq: 21 Feb 2025 19:43

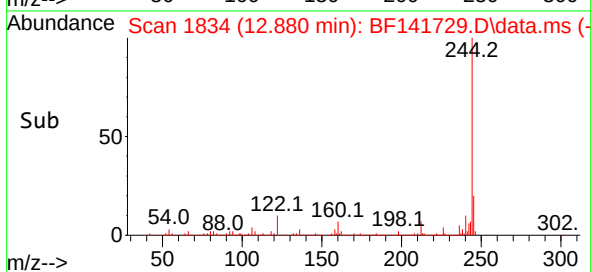
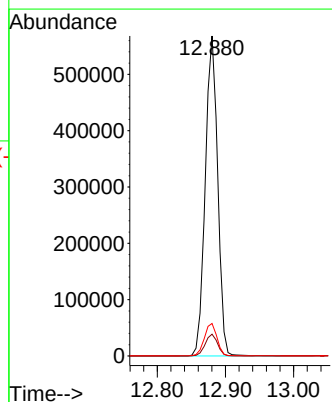
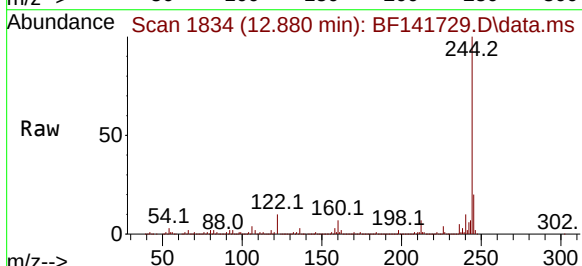
Tgt Ion:244 Resp: 719932

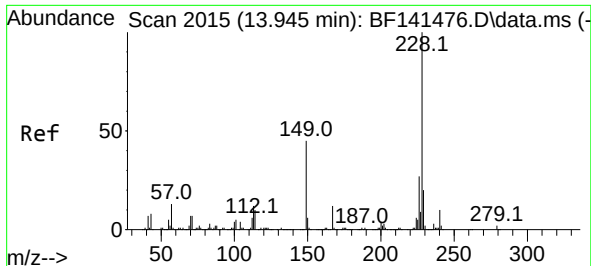
Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 10.2 8.4 12.6

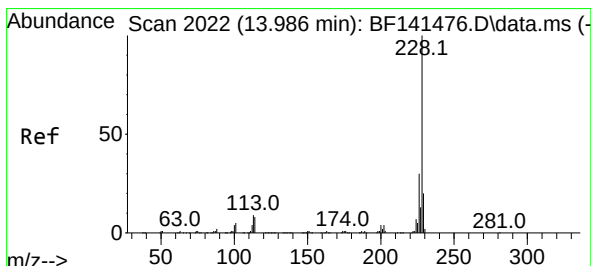
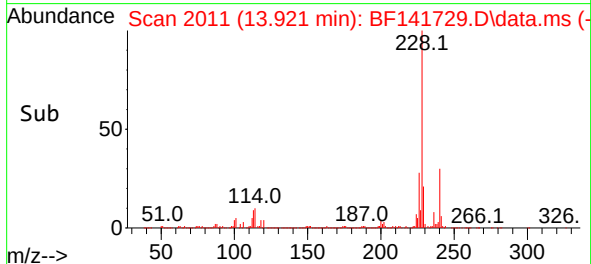
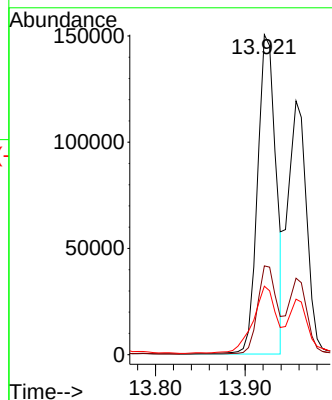
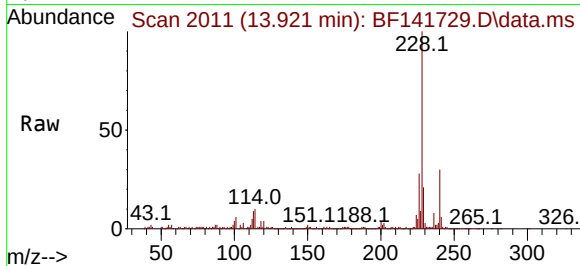




#81
Benzo(a)anthracene
Concen: 17.653 ng
RT: 13.921 min Scan# 2017
Delta R.T. -0.029 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

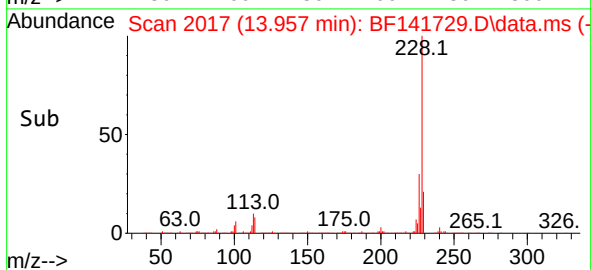
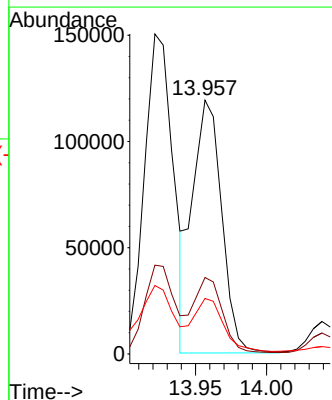
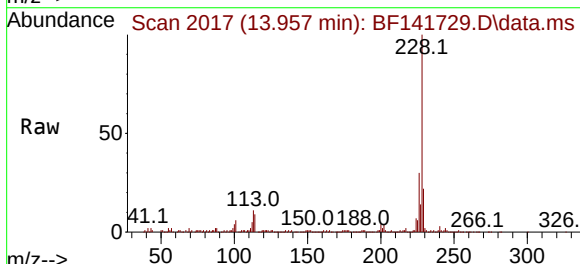
Instrument :
BNA_F
ClientSampleId :
HANDHOLD

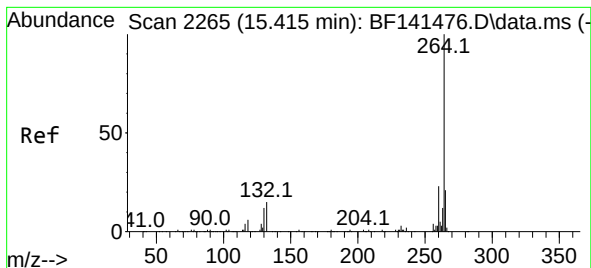
Tgt Ion:228 Resp: 213886
Ion Ratio Lower Upper
228 100
226 27.8 21.8 32.8
229 21.4 15.8 23.6



#83
Chrysene
Concen: 15.255 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.035 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

Tgt Ion:228 Resp: 170662
Ion Ratio Lower Upper
228 100
226 30.1 24.0 36.0
229 21.9 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: BF141729.D

Acq: 21 Feb 2025 19:43

Instrument :

BNA_F

ClientSampleId :

HANDHOLD

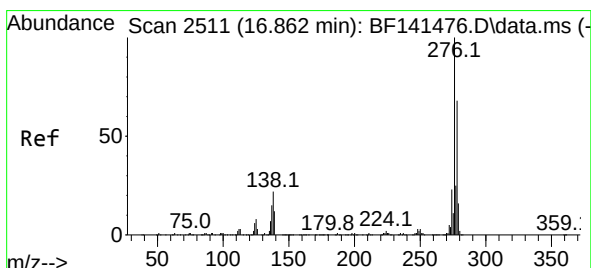
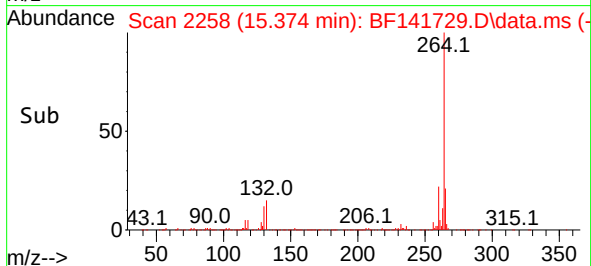
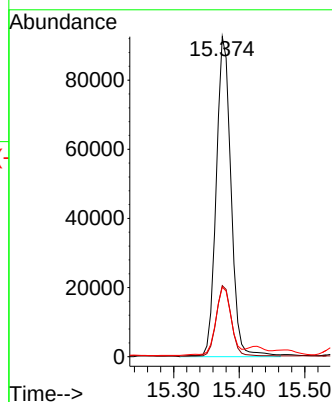
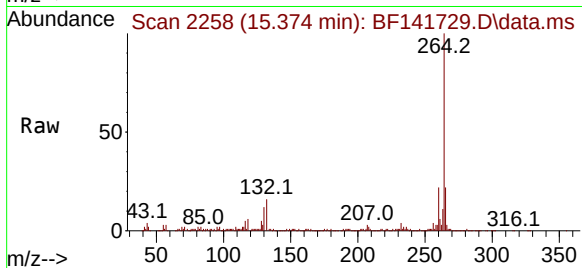
Tgt Ion:264 Resp: 144701

Ion Ratio Lower Upper

264 100

260 22.2 18.6 28.0

265 21.8 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.725 ng

RT: 16.803 min Scan# 2501

Delta R.T. -0.071 min

Lab File: BF141729.D

Acq: 21 Feb 2025 19:43

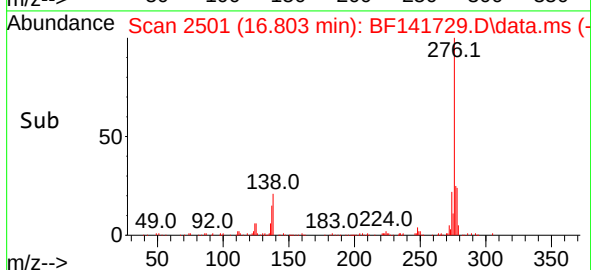
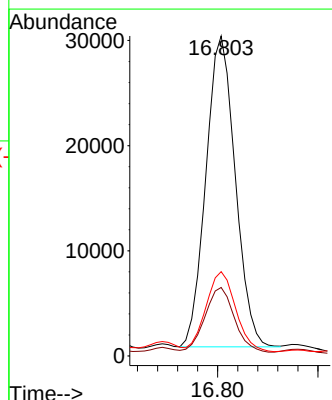
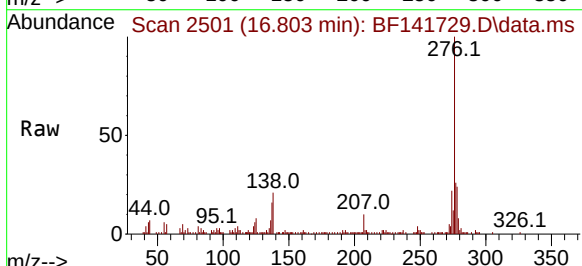
Tgt Ion:276 Resp: 60128

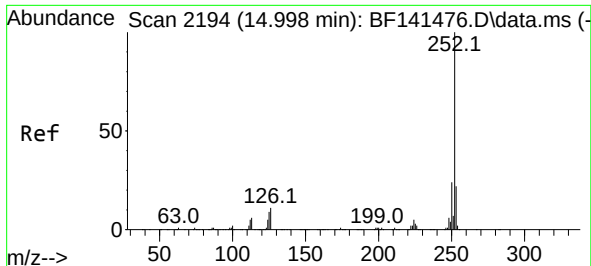
Ion Ratio Lower Upper

276 100

138 20.8 18.0 27.0

277 26.1 20.4 30.6

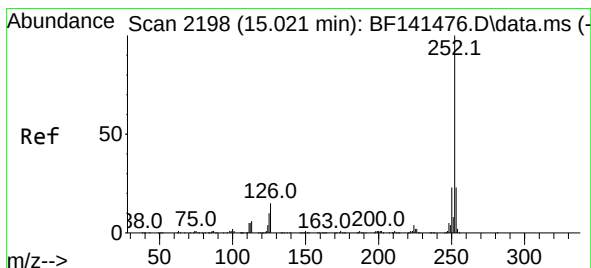
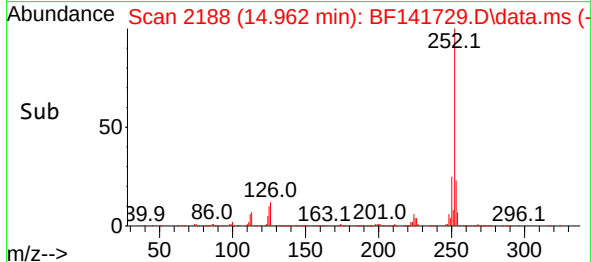
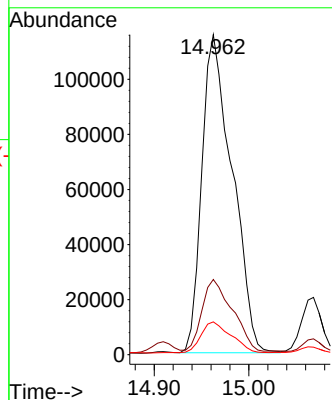
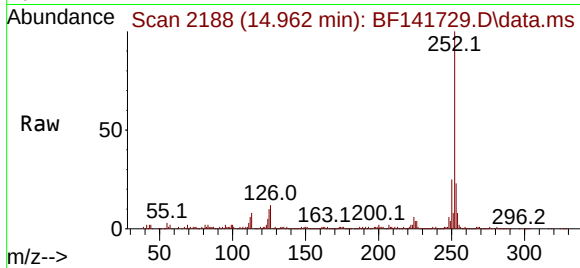




#88
Benzo(b)fluoranthene
Concen: 26.478 ng
RT: 14.962 min Scan# 2188
Delta R.T. -0.041 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

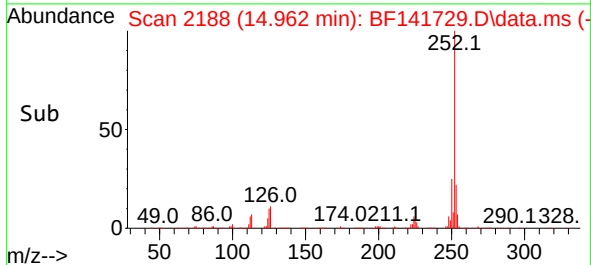
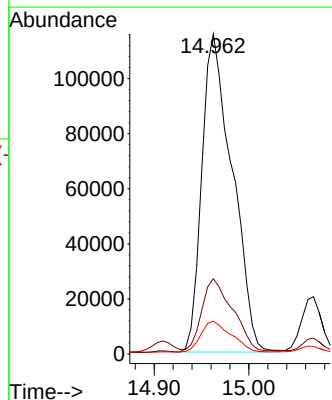
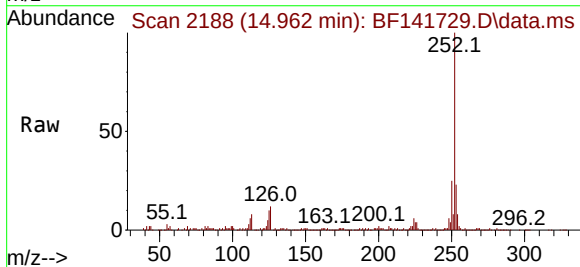
Instrument :
BNA_F
ClientSampleId :
HANDHOLD

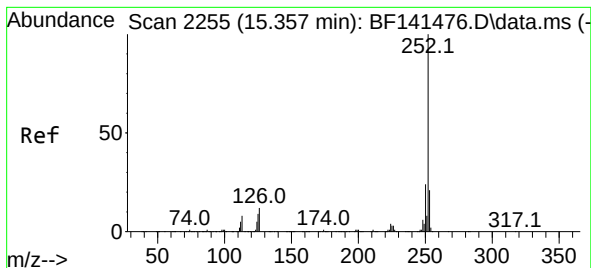
Tgt Ion:252 Resp: 257258
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 10.3 7.0 10.6



#89
Benzo(k)fluoranthene
Concen: 31.008 ng
RT: 14.962 min Scan# 2188
Delta R.T. -0.071 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

Tgt Ion:252 Resp: 257258
Ion Ratio Lower Upper
252 100
253 23.5 18.0 27.0
125 10.3 7.4 11.0





#90

Benzo(a)pyrene

Concen: 16.033 ng

RT: 15.315 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF141729.D

Acq: 21 Feb 2025 19:43

Instrument :

BNA_F

ClientSampleId :

HANDHOLD

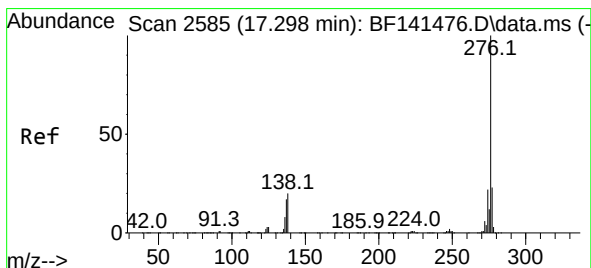
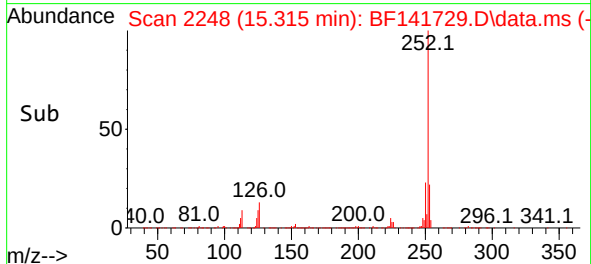
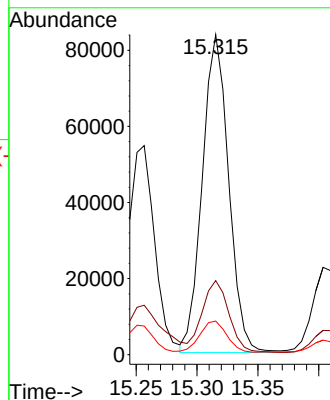
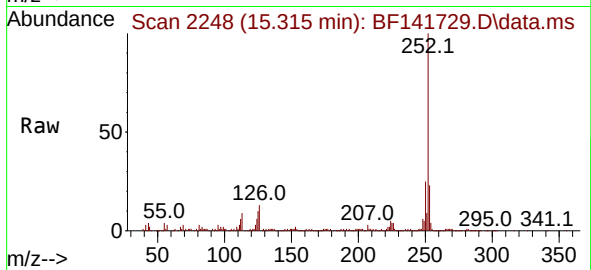
Tgt Ion:252 Resp: 126047

Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

125 10.5 7.4 11.2



#92

Benzo(g,h,i)perylene

Concen: 7.326 ng

RT: 17.233 min Scan# 2574

Delta R.T. -0.082 min

Lab File: BF141729.D

Acq: 21 Feb 2025 19:43

Tgt Ion:276 Resp: 55537

Ion Ratio Lower Upper

276 100

277 24.5 18.6 28.0

138 21.7 15.9 23.9

