

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012325\
 Data File : BF141252.D
 Acq On : 23 Jan 2025 16:15
 Operator : RC/JU
 Sample : Q1156-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 281

Quant Time: Jan 23 17:00:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

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

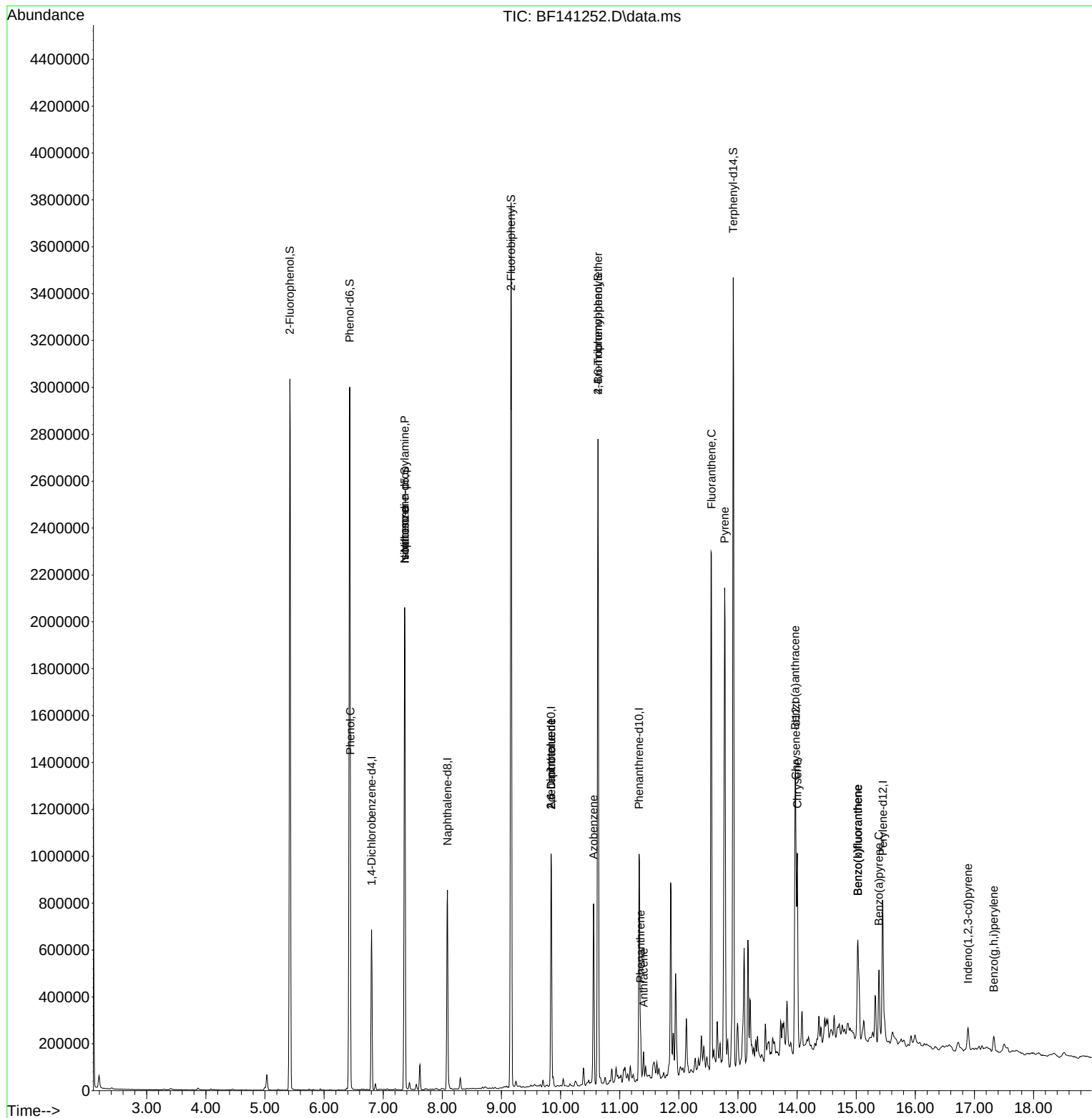
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	140845	20.000	ng	-0.02
21) Naphthalene-d8	8.086	136	560222	20.000	ng	-0.02
39) Acenaphthene-d10	9.839	164	302766	20.000	ng	-0.02
64) Phenanthrene-d10	11.327	188	503115	20.000	ng	-0.02
76) Chrysene-d12	13.980	240	309949	20.000	ng	0.00
86) Perylene-d12	15.451	264	349593	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	1216205	133.395	ng	0.00
7) Phenol-d6	6.434	99	1543492	133.647	ng	-0.01
23) Nitrobenzene-d5	7.363	82	987724	93.459	ng	-0.02
42) 2,4,6-Tribromophenol	10.633	330	521887	151.280	ng	-0.02
45) 2-Fluorobiphenyl	9.163	172	1767241	89.133	ng	-0.02
79) Terphenyl-d14	12.921	244	1690444	81.062	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.445	94	24796	2.006	ng	# 2
19) n-Nitroso-di-n-propyla...	7.363	70	134315	19.743	ng	# 75
25) Isophorone	7.363	82	982719	54.411	ng	# 65
51) 2,6-Dinitrotoluene	9.839	165	40250	8.515	ng	# 27
57) 2,4-Dinitrotoluene	9.839	165	40366	6.627	ng	# 25
63) Azobenzene	10.557	77	187144	9.558	ng	# 1
67) 4-Bromophenyl-phenylether	10.633	248	31128	5.374	ng	# 1
71) Phenanthrene	11.351	178	100389	3.717	ng	99
72) Anthracene	11.404	178	64134	2.442	ng	98
75) Fluoranthene	12.551	202	1286966	47.747	ng	99
78) Pyrene	12.774	202	1185601	40.048	ng	97
81) Benzo(a)anthracene	13.968	228	492865	23.365	ng	98
83) Chrysene	14.004	228	423337	21.449	ng	99
87) Indeno(1,2,3-cd)pyrene	16.892	276	70939	2.770	ng	91
88) Benzo(b)fluoranthene	15.027	252	404760	17.955	ng	99
89) Benzo(k)fluoranthene	15.027	252	404760	21.246	ng	99
90) Benzo(a)pyrene	15.386	252	190417	10.238	ng	99
92) Benzo(g,h,i)perylene	17.327	276	60569	2.811	ng	99

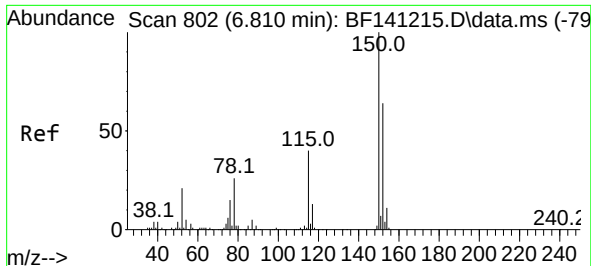
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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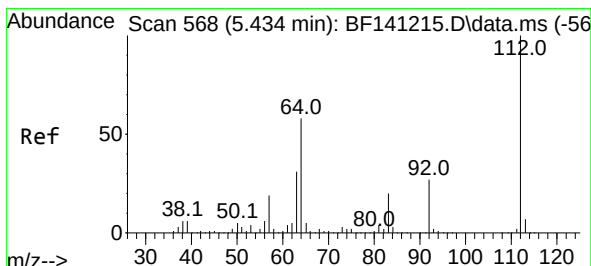
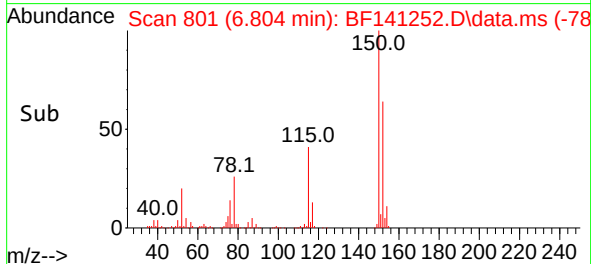
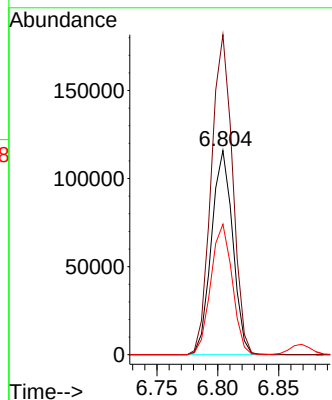
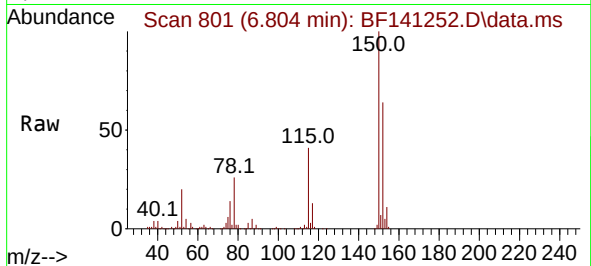




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.804 min Scan# 801
 Delta R.T. -0.018 min
 Lab File: BF141252.D
 Acq: 23 Jan 2025 16:15

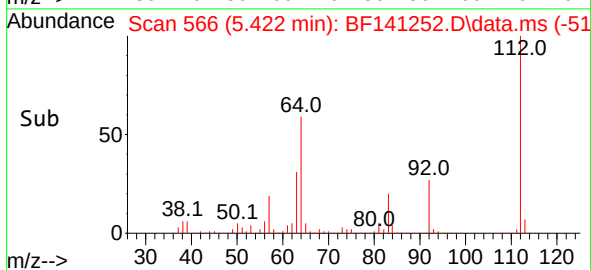
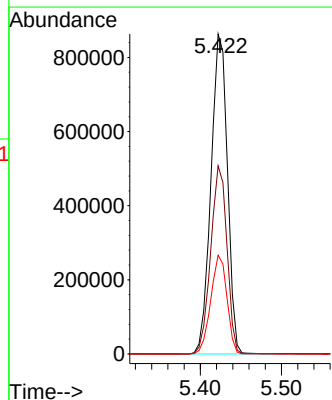
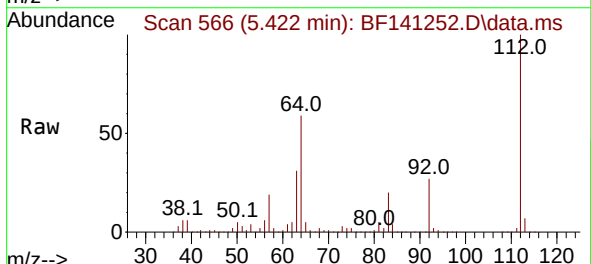
Instrument :
 BNA_F
 ClientSampleId :
 281

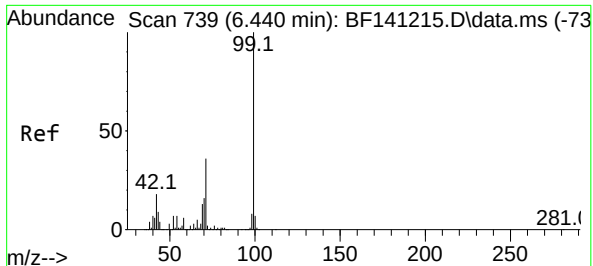
Tgt Ion:152 Resp: 140845
 Ion Ratio Lower Upper
 152 100
 150 156.8 125.8 188.8
 115 64.0 51.4 77.2



#5
 2-Fluorophenol
 Concen: 133.395 ng
 RT: 5.422 min Scan# 566
 Delta R.T. -0.006 min
 Lab File: BF141252.D
 Acq: 23 Jan 2025 16:15

Tgt Ion:112 Resp: 1216205
 Ion Ratio Lower Upper
 112 100
 64 58.8 47.3 70.9
 63 30.9 24.2 36.2



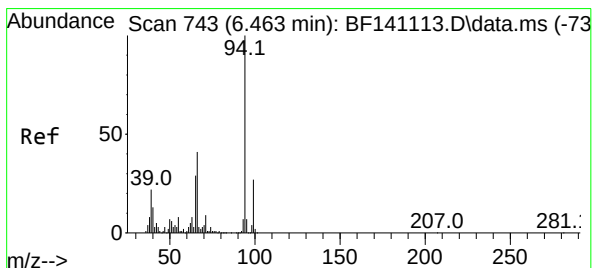
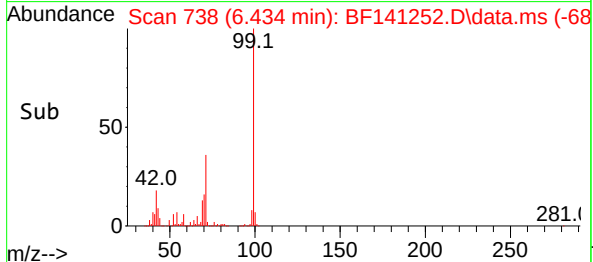
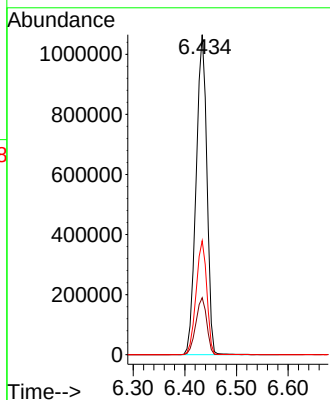
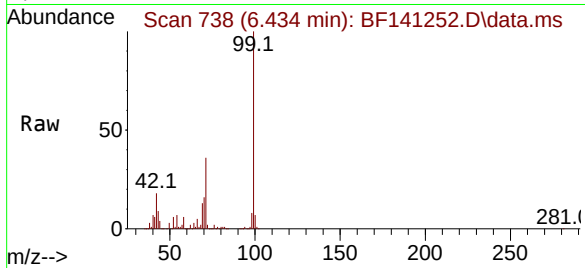


#7
Phenol-d6
Concen: 133.647 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

Instrument :
BNA_F
ClientSampleId :
281

Tgt Ion: 99 Resp: 1543492

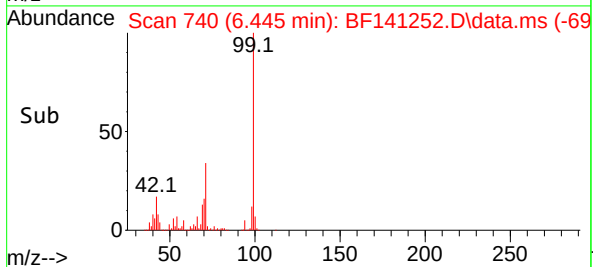
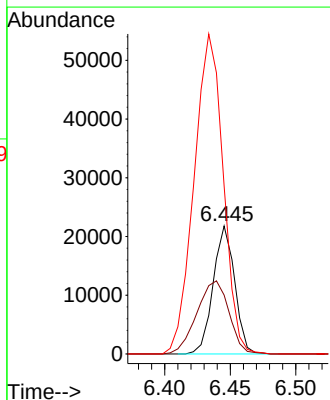
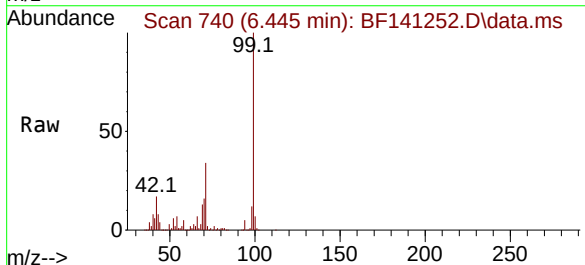
Ion	Ratio	Lower	Upper
99	100		
42	17.8	15.0	22.4
71	35.6	27.6	41.4

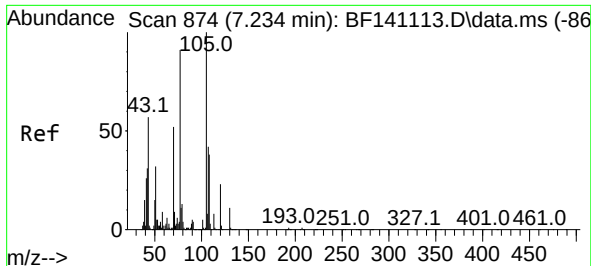


#10
Phenol
Concen: 2.006 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.018 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

Tgt Ion: 94 Resp: 24796

Ion	Ratio	Lower	Upper
94	100		
65	46.0	8.9	48.9
66	131.2	21.2	61.2

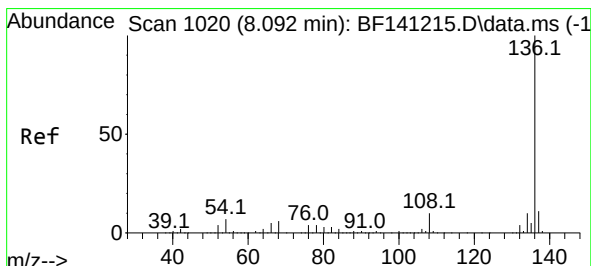
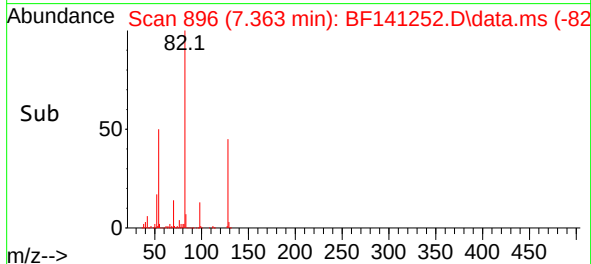
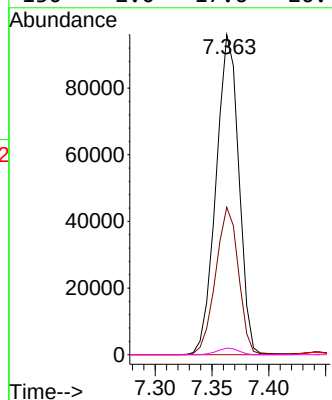
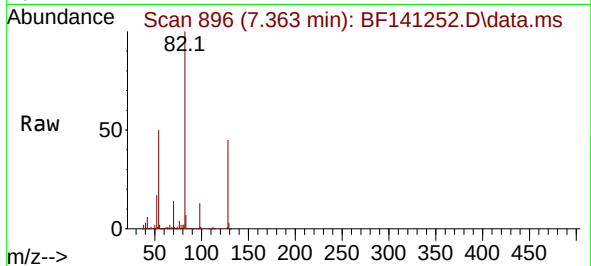




#19
n-Nitroso-di-n-propylamine
Concen: 19.743 ng
RT: 7.363 min Scan# 81
Delta R.T. 0.129 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

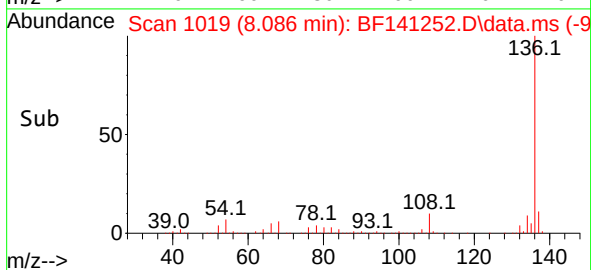
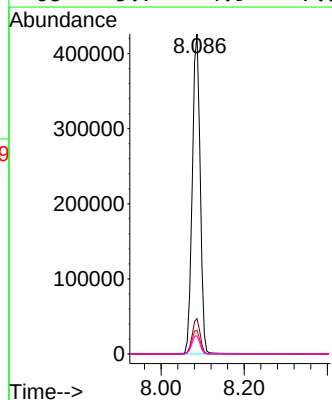
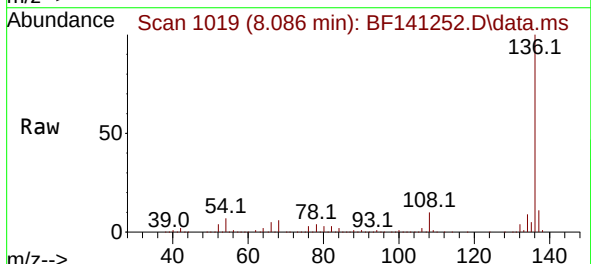
Instrument :
BNA_F
ClientSampleId :
281

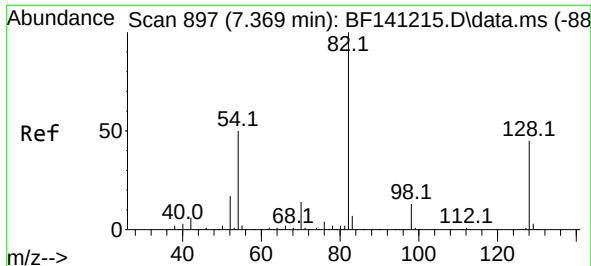
Tgt Ion: 70 Resp: 134315
Ion Ratio Lower Upper
70 100
42 46.1 47.8 71.6#
101 0.0 7.9 11.9#
130 2.0 17.6 26.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.086 min Scan# 1019
Delta R.T. -0.018 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

Tgt Ion: 136 Resp: 560222
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.4 6.3 9.5
68 5.7 4.9 7.3

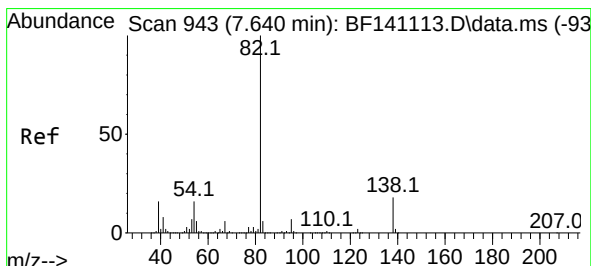
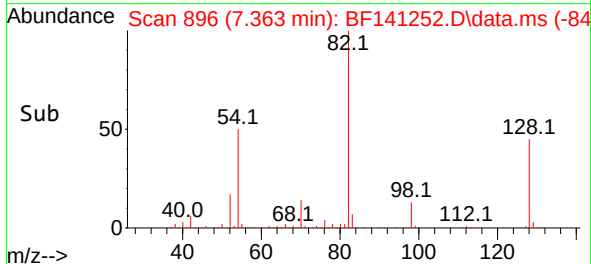
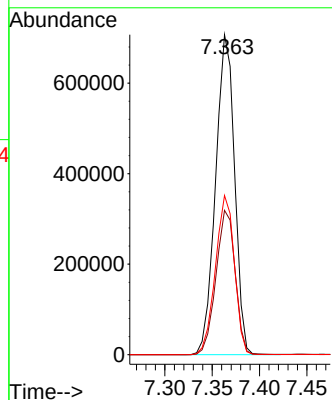
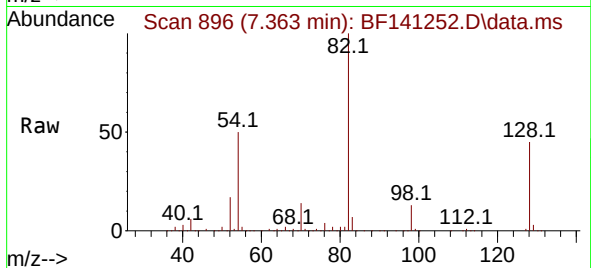




#23
Nitrobenzene-d5
Concen: 93.459 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.024 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

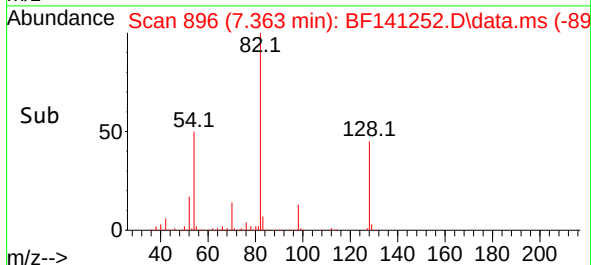
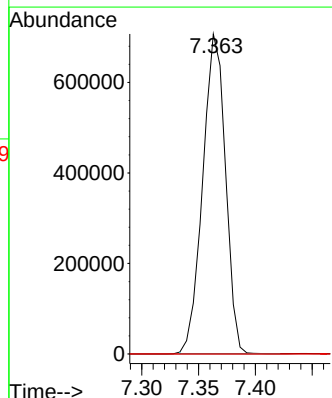
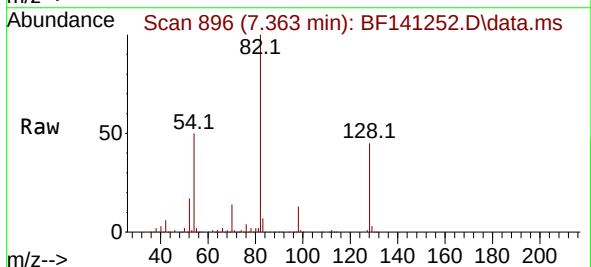
Instrument :
BNA_F
ClientSampleId :
281

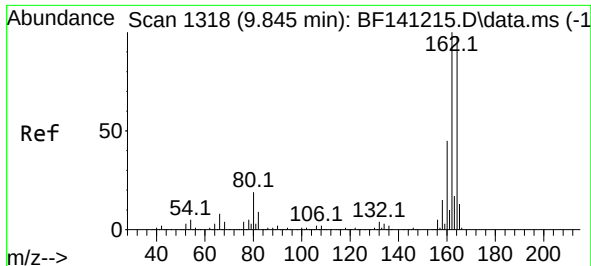
Tgt Ion: 82 Resp: 987724
Ion Ratio Lower Upper
82 100
128 45.1 36.1 54.1
54 49.7 41.0 61.4



#25
Isophorone
Concen: 54.411 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.277 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

Tgt Ion: 82 Resp: 982719
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.2 21.2#

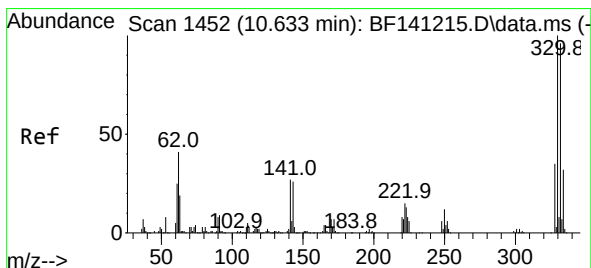
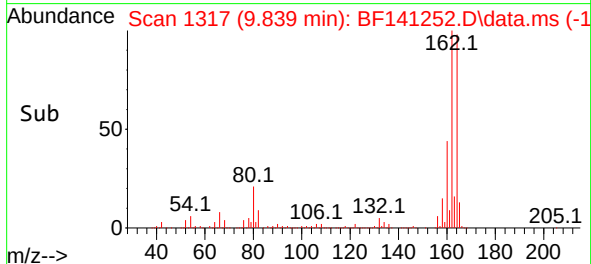
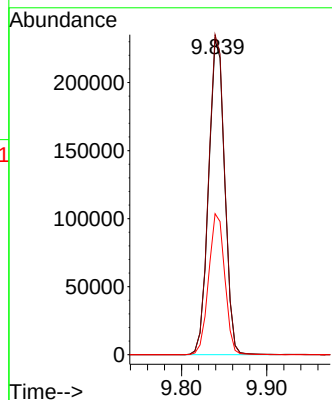
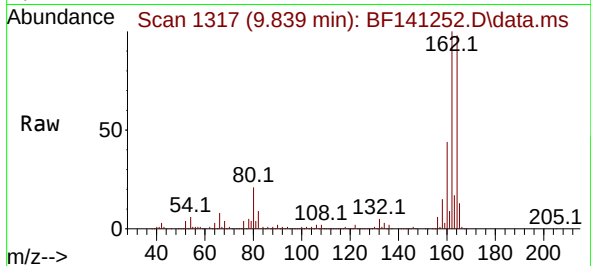




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 11
Delta R.T. -0.024 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

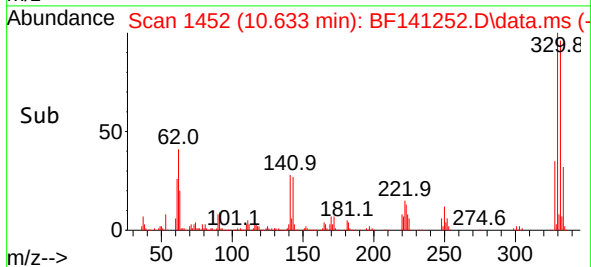
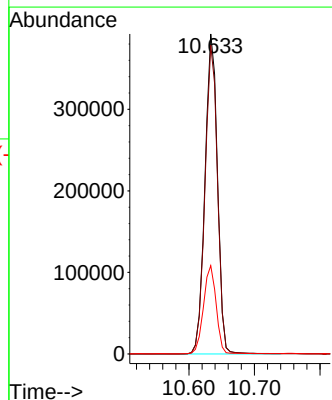
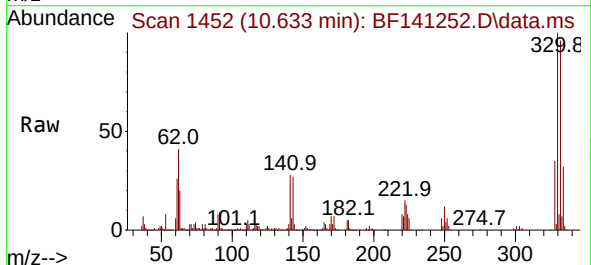
Instrument :
BNA_F
ClientSampleId :
281

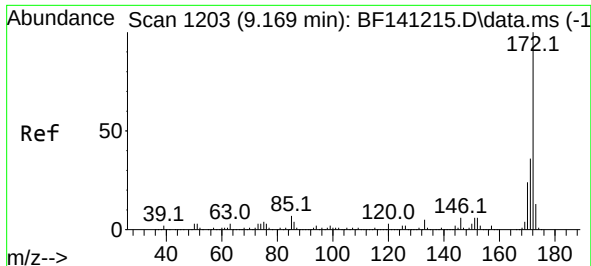
Tgt Ion:164 Resp: 302766
Ion Ratio Lower Upper
164 100
162 101.6 81.0 121.4
160 44.8 36.1 54.1



#42
2,4,6-Tribromophenol
Concen: 151.280 ng
RT: 10.633 min Scan# 1452
Delta R.T. -0.018 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

Tgt Ion:330 Resp: 521887
Ion Ratio Lower Upper
330 100
332 96.7 76.9 115.3
141 27.8 25.2 37.8





#45

2-Fluorobiphenyl

Concen: 89.133 ng

RT: 9.163 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141252.D

Acq: 23 Jan 2025 16:15

Instrument :

BNA_F

ClientSampleId :

281

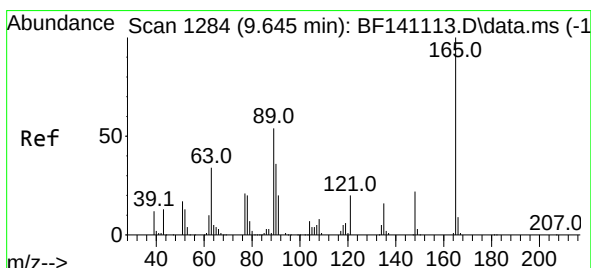
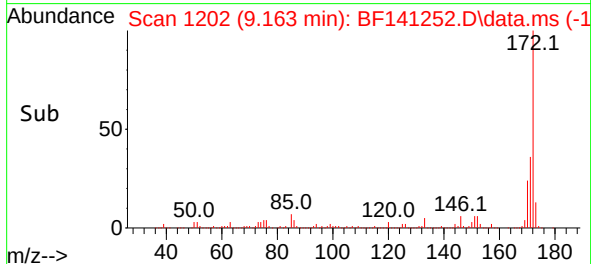
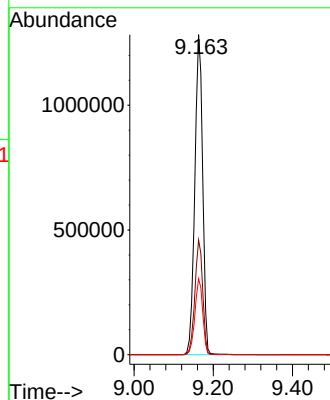
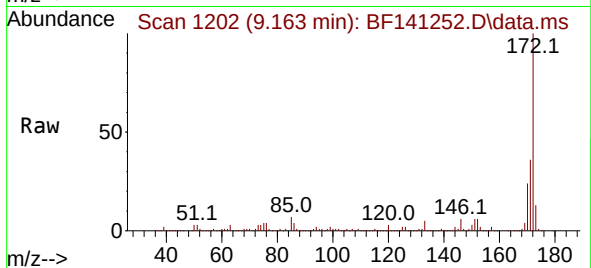
Tgt Ion:172 Resp: 1767241

Ion Ratio Lower Upper

172 100

171 35.9 28.7 43.1

170 23.7 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 8.515 ng

RT: 9.839 min Scan# 1317

Delta R.T. 0.194 min

Lab File: BF141252.D

Acq: 23 Jan 2025 16:15

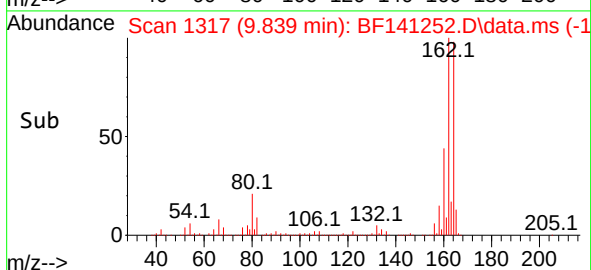
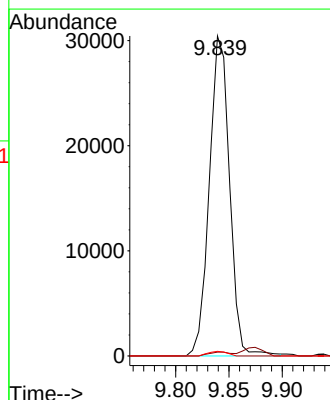
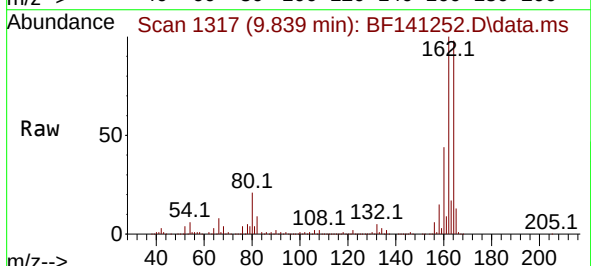
Tgt Ion:165 Resp: 40250

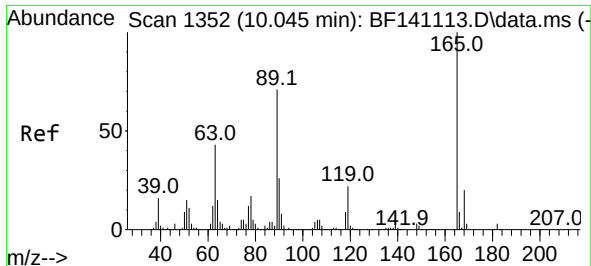
Ion Ratio Lower Upper

165 100

63 1.2 42.3 63.5#

89 1.5 43.1 64.7#

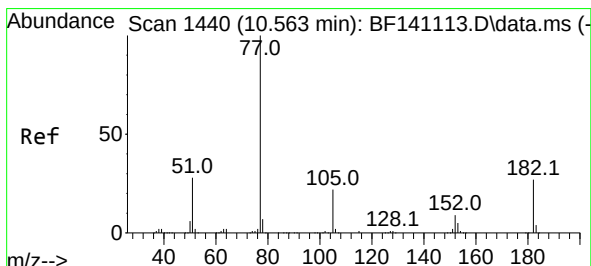
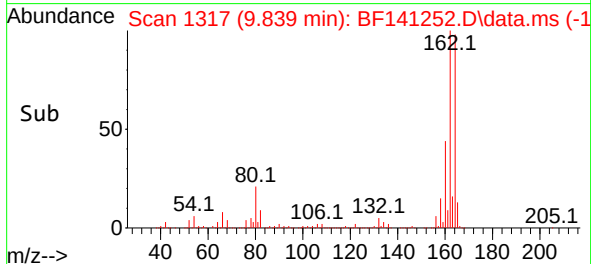
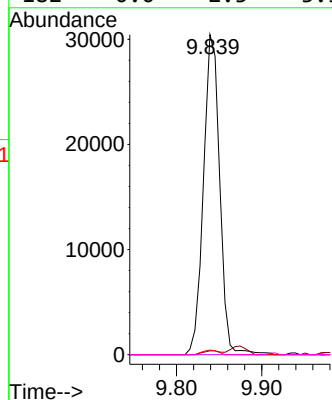
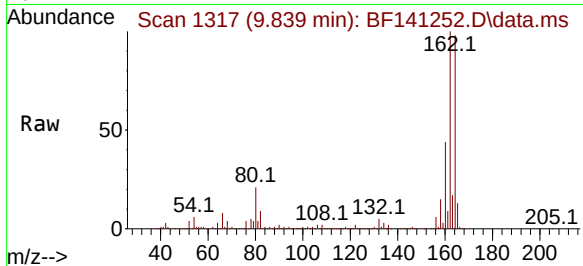




#57
2,4-Dinitrotoluene
Concen: 6.627 ng
RT: 9.839 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

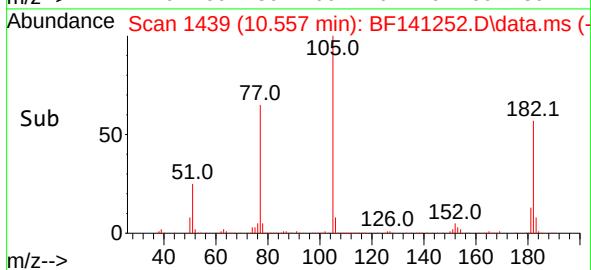
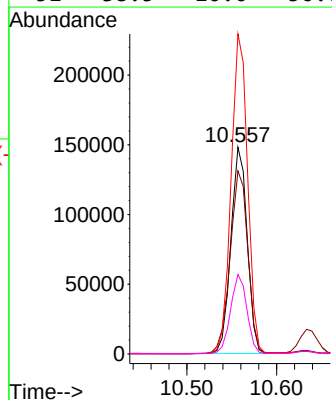
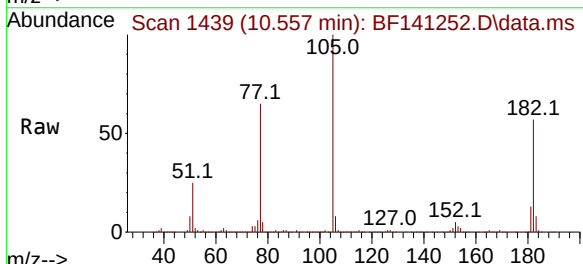
Instrument :
BNA_F
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281

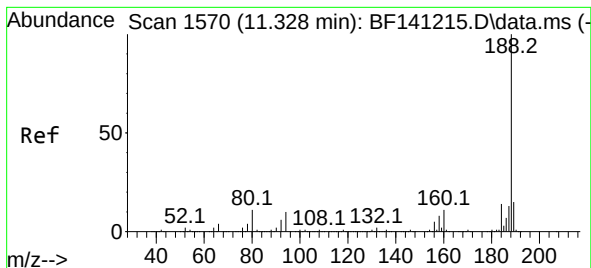
Tgt Ion:	165	Resp:	40366
Ion	Ratio	Lower	Upper
165	100		
63	1.2	35.0	52.4#
89	1.5	56.7	85.1#
182	0.0	2.3	3.5#



#63
Azobenzene
Concen: 9.558 ng
RT: 10.557 min Scan# 1439
Delta R.T. -0.006 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

Tgt Ion:	77	Resp:	187144
Ion	Ratio	Lower	Upper
77	100		
182	88.6	6.1	46.1#
105	154.8	2.1	42.1#
51	38.5	10.0	50.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.327 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141252.D

Acq: 23 Jan 2025 16:15

Instrument :

BNA_F

ClientSampleId :

281

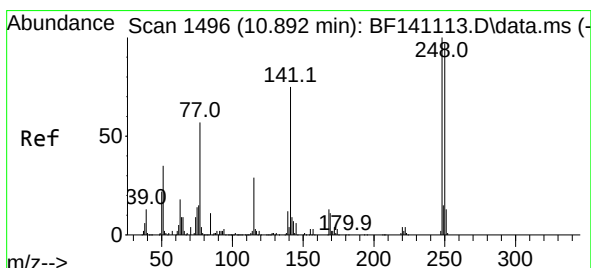
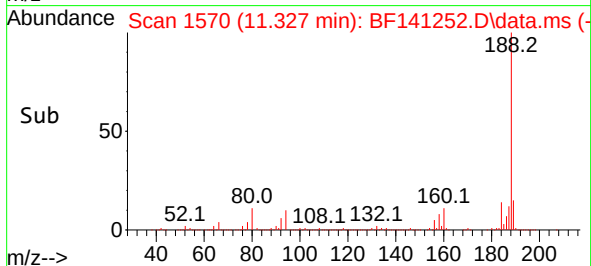
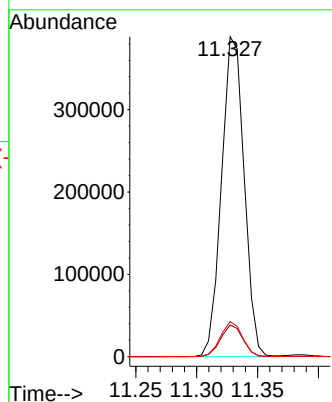
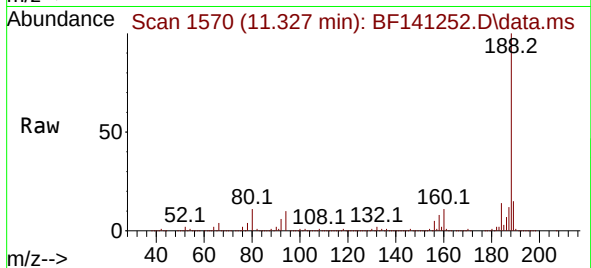
Tgt Ion:188 Resp: 503115

Ion Ratio Lower Upper

188 100

94 9.9 8.3 12.5

80 10.9 9.0 13.4



#67

4-Bromophenyl-phenylether

Concen: 5.374 ng

RT: 10.633 min Scan# 1452

Delta R.T. -0.259 min

Lab File: BF141252.D

Acq: 23 Jan 2025 16:15

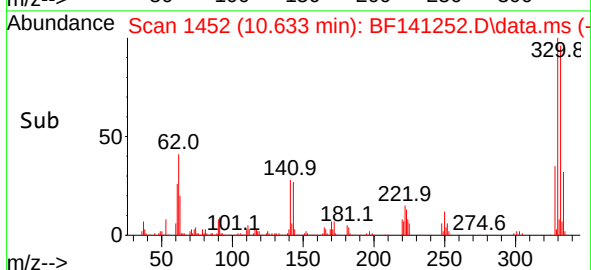
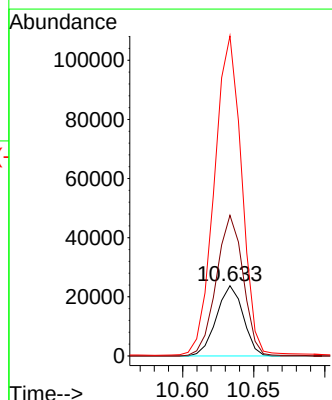
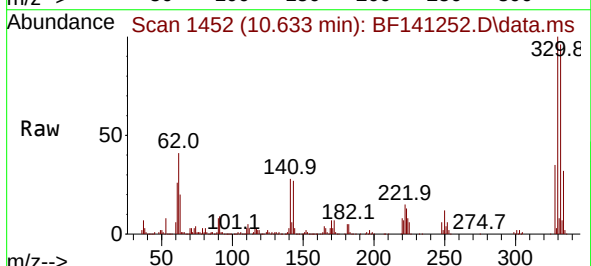
Tgt Ion:248 Resp: 31128

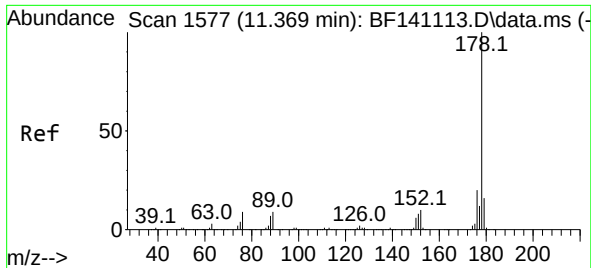
Ion Ratio Lower Upper

248 100

250 200.0 77.9 116.9#

141 455.1 59.9 89.9#

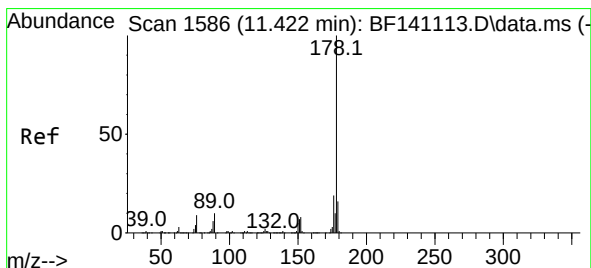
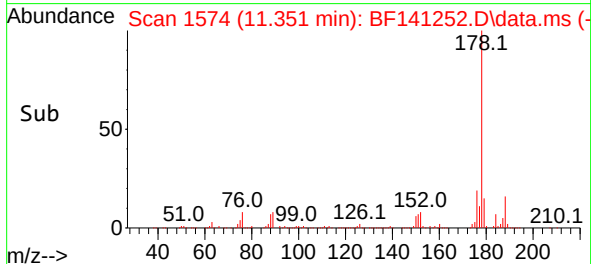
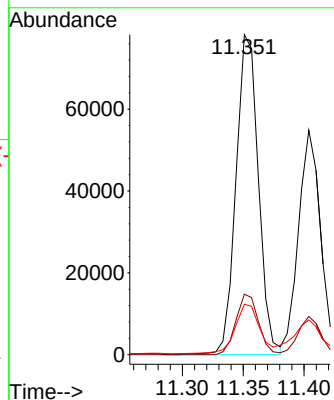
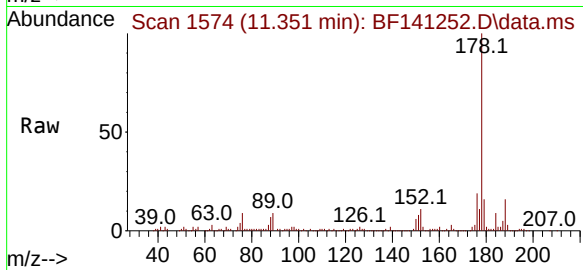




#71
Phenanthrene
Concen: 3.717 ng
RT: 11.351 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

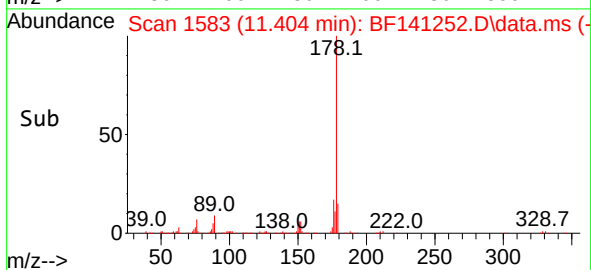
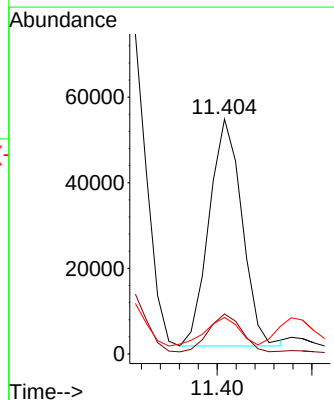
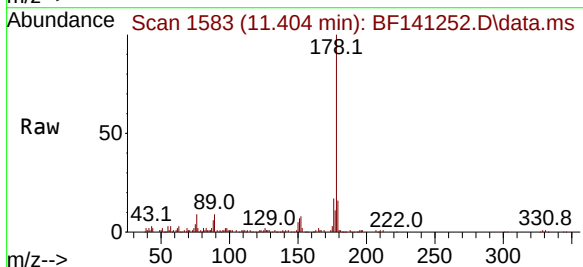
Instrument :
BNA_F
ClientSampleId :
281

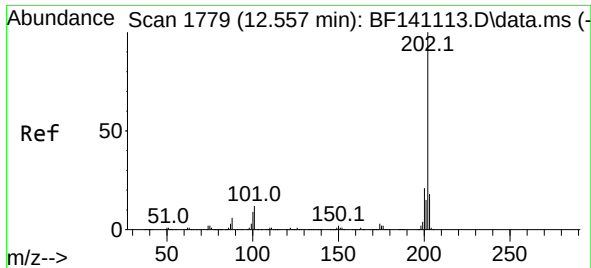
Tgt Ion:178 Resp: 100389
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 15.8 12.6 19.0



#72
Anthracene
Concen: 2.442 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.018 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

Tgt Ion:178 Resp: 64134
Ion Ratio Lower Upper
178 100
176 17.0 14.9 22.3
179 15.5 12.6 19.0

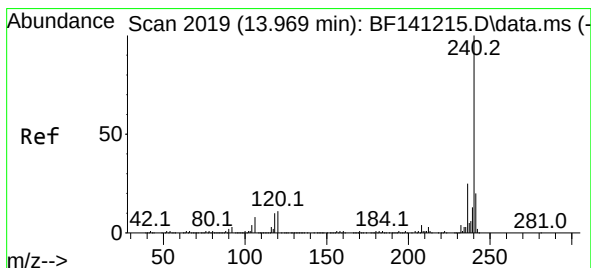
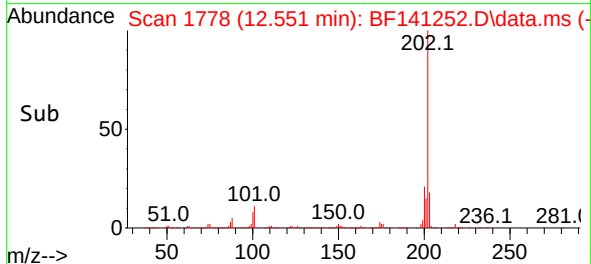
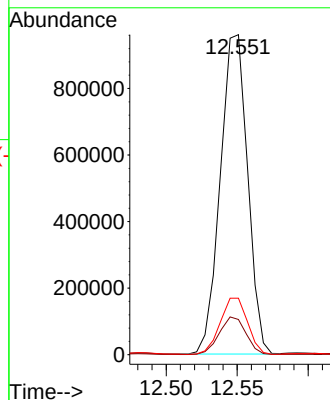
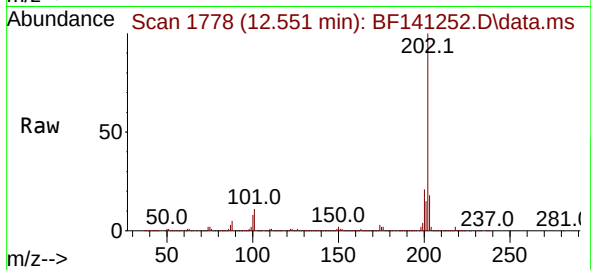




#75
Fluoranthene
Concen: 47.747 ng
RT: 12.551 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

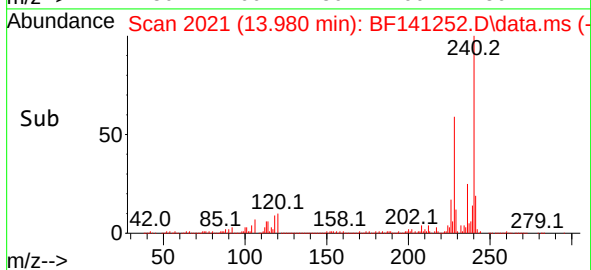
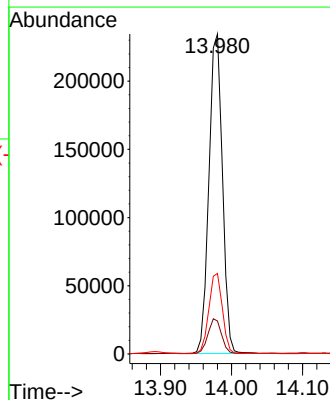
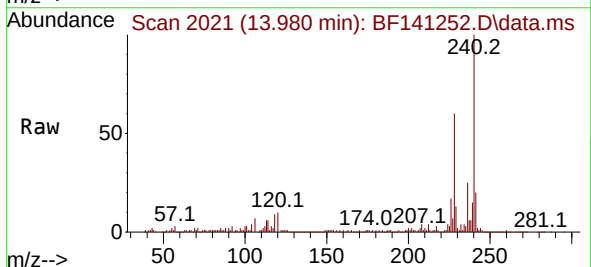
Instrument :
BNA_F
ClientSampleId :
281

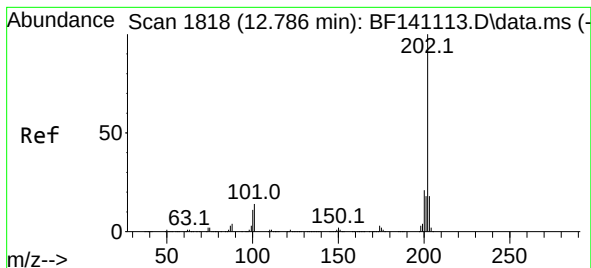
Tgt Ion:202 Resp: 1286966
Ion Ratio Lower Upper
202 100
101 11.0 0.0 32.3
203 17.7 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

Tgt Ion:240 Resp: 309949
Ion Ratio Lower Upper
240 100
120 10.3 9.1 13.7
236 25.2 19.8 29.6





#78

Pyrene

Concen: 40.048 ng

RT: 12.774 min Scan# 1816

Delta R.T. -0.012 min

Lab File: BF141252.D

Acq: 23 Jan 2025 16:15

Instrument :

BNA_F

ClientSampleId :

281

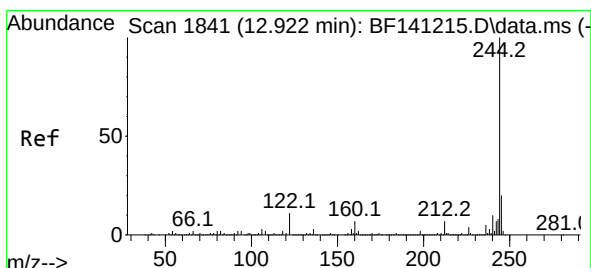
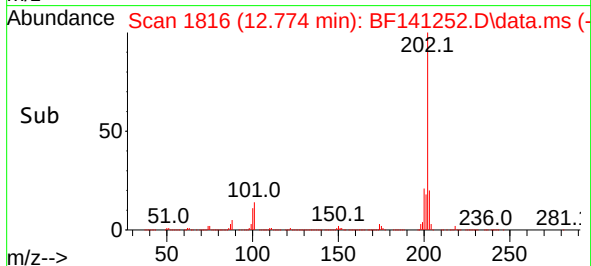
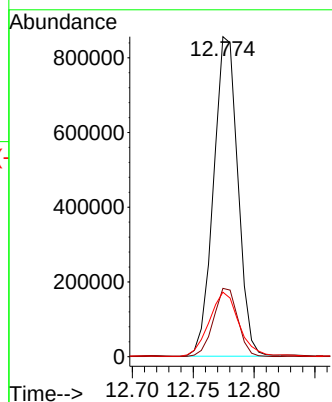
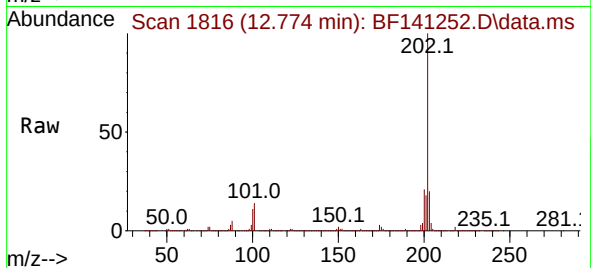
Tgt Ion:202 Resp: 1185601

Ion Ratio Lower Upper

202 100

200 21.3 16.8 25.2

203 20.1 14.3 21.5



#79

Terphenyl-d14

Concen: 81.062 ng

RT: 12.921 min Scan# 1841

Delta R.T. -0.012 min

Lab File: BF141252.D

Acq: 23 Jan 2025 16:15

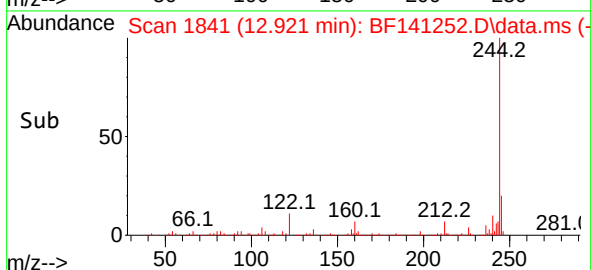
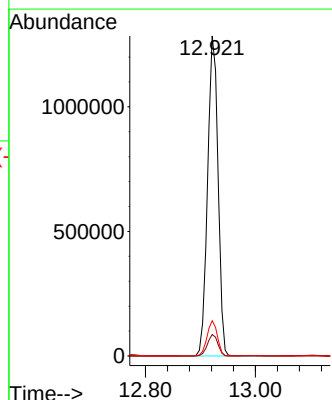
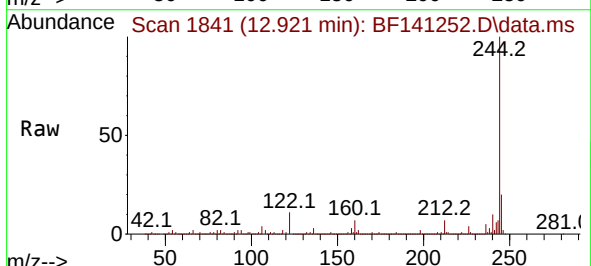
Tgt Ion:244 Resp: 1690444

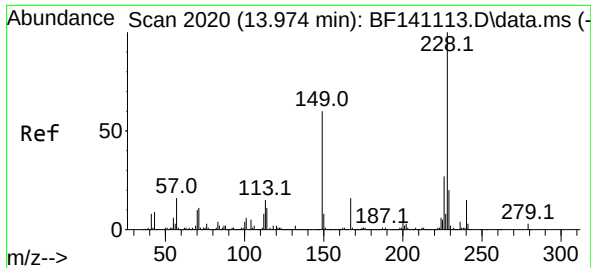
Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

122 11.0 8.8 13.2

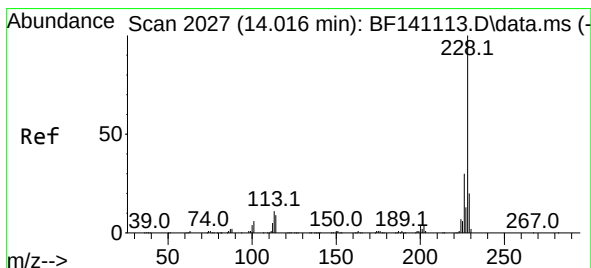
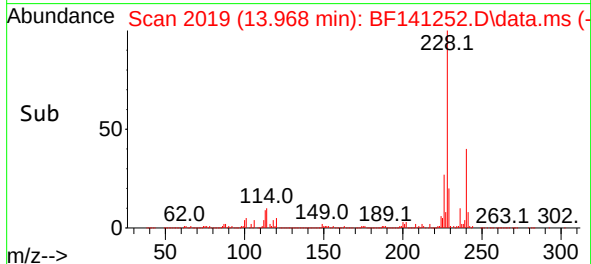
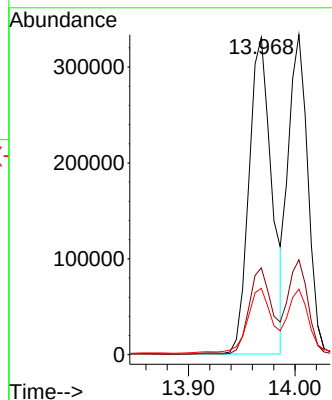
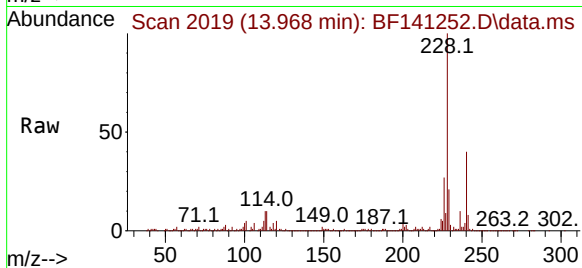




#81
Benzo(a)anthracene
Concen: 23.365 ng
RT: 13.968 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

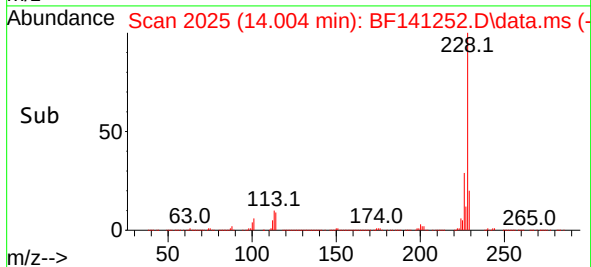
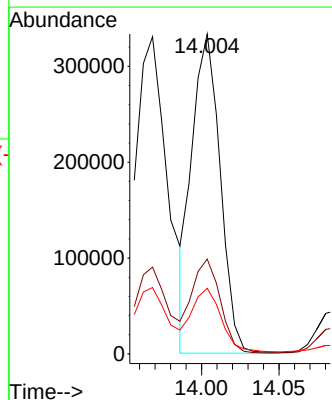
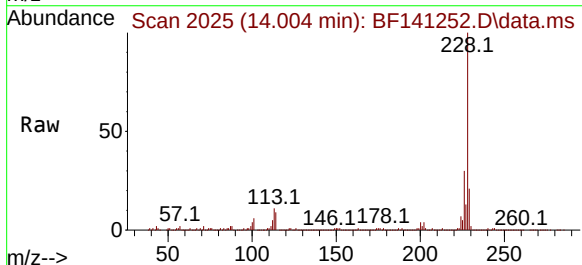
Instrument :
BNA_F
ClientSampleId :
281

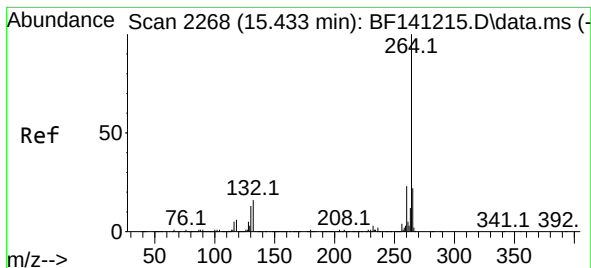
Tgt Ion:228 Resp: 492865
Ion Ratio Lower Upper
228 100
226 27.4 21.7 32.5
229 20.9 15.7 23.5



#83
Chrysene
Concen: 21.449 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.012 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

Tgt Ion:228 Resp: 423337
Ion Ratio Lower Upper
228 100
226 29.6 23.8 35.8
229 20.5 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF141252.D

Acq: 23 Jan 2025 16:15

Instrument :

BNA_F

ClientSampleId :

281

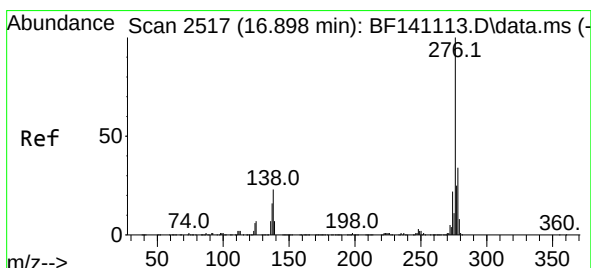
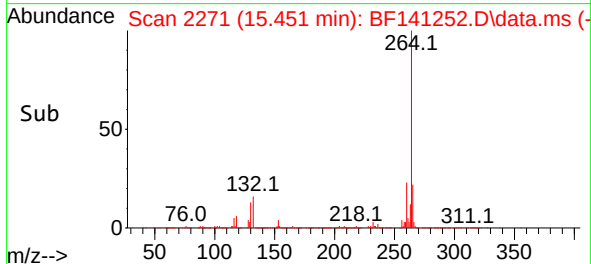
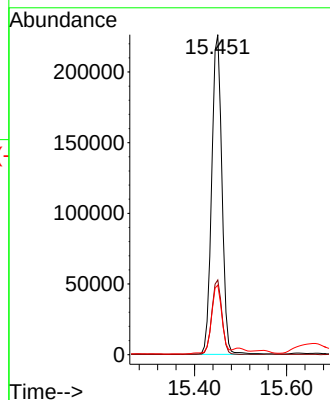
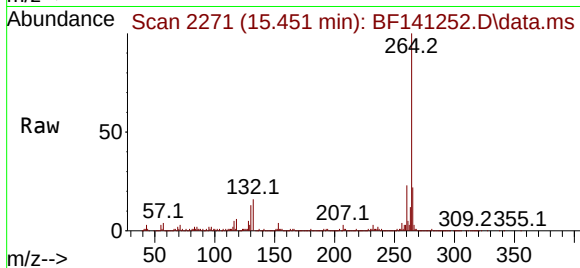
Tgt Ion:264 Resp: 349593

Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 21.7 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.770 ng

RT: 16.892 min Scan# 2516

Delta R.T. -0.006 min

Lab File: BF141252.D

Acq: 23 Jan 2025 16:15

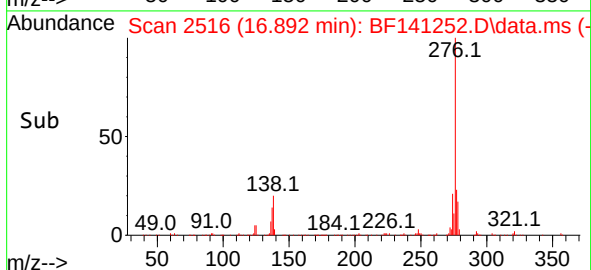
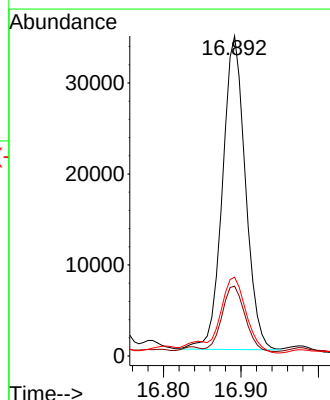
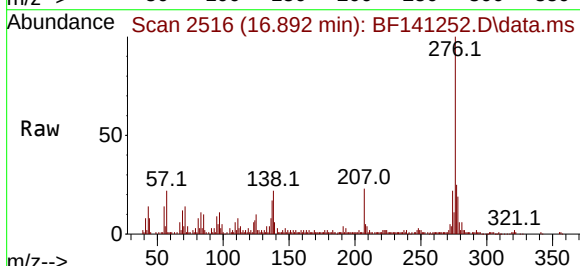
Tgt Ion:276 Resp: 70939

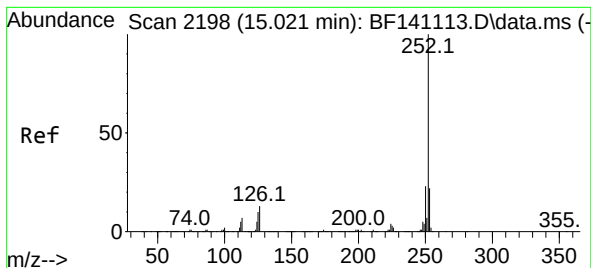
Ion Ratio Lower Upper

276 100

138 21.0 20.7 31.1

277 29.9 20.6 30.8





#88

Benzo(b)fluoranthene

Concen: 17.955 ng

RT: 15.027 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF141252.D

Acq: 23 Jan 2025 16:15

Instrument :

BNA_F

ClientSampleId :

281

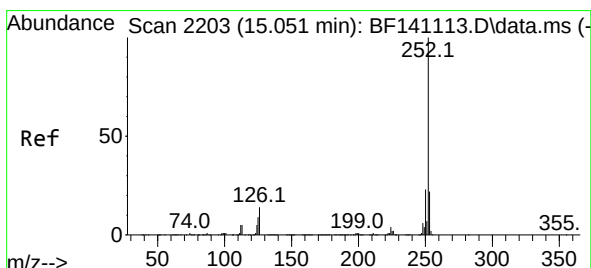
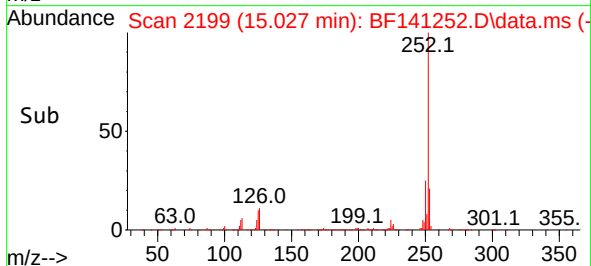
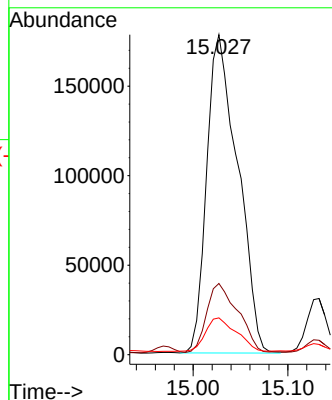
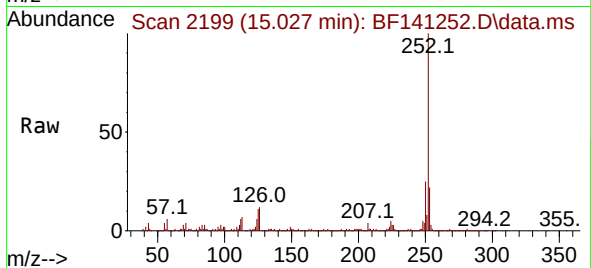
Tgt Ion:252 Resp: 404760

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

125 11.5 8.1 12.1



#89

Benzo(k)fluoranthene

Concen: 21.246 ng

RT: 15.027 min Scan# 2199

Delta R.T. -0.024 min

Lab File: BF141252.D

Acq: 23 Jan 2025 16:15

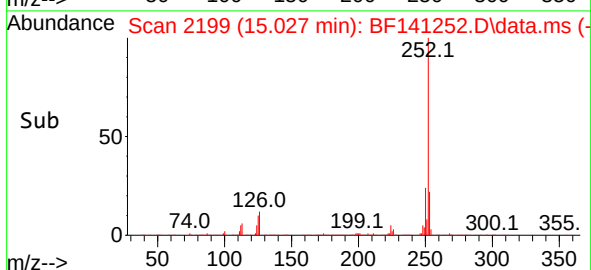
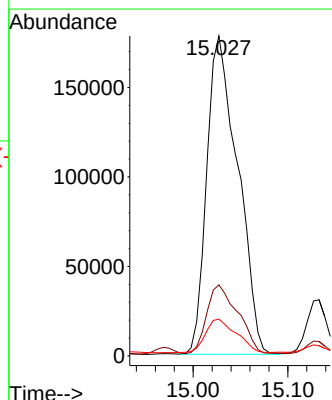
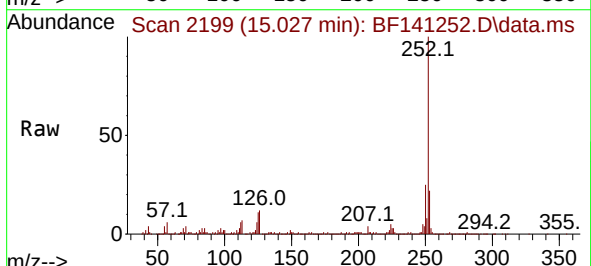
Tgt Ion:252 Resp: 404760

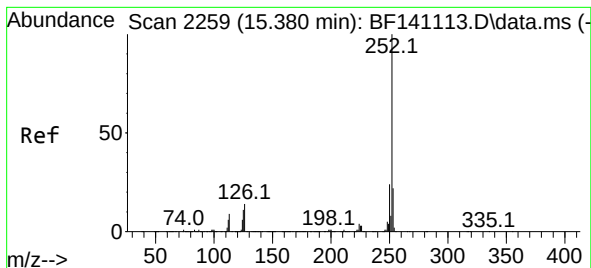
Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.8

125 11.5 7.9 11.9





#90

Benzo(a)pyrene

Concen: 10.238 ng

RT: 15.386 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF141252.D

Acq: 23 Jan 2025 16:15

Instrument :

BNA_F

ClientSampleId :

281

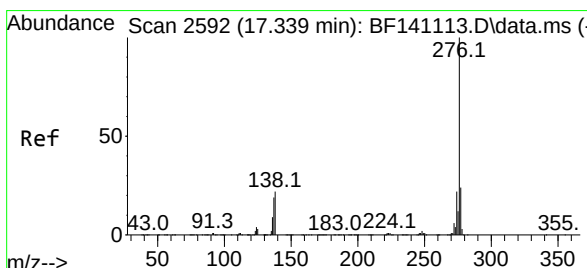
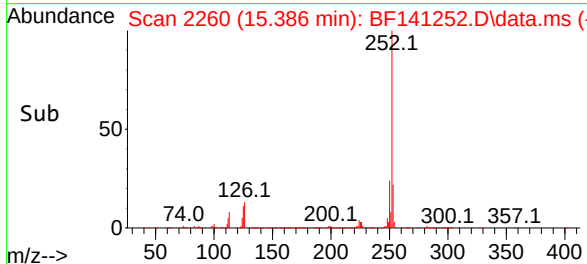
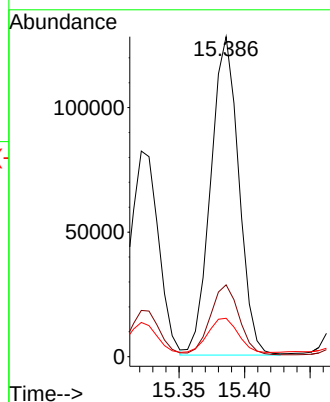
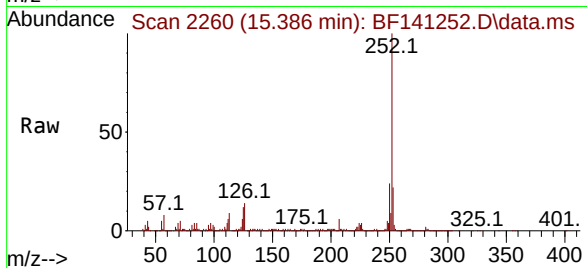
Tgt Ion:252 Resp: 190417

Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

125 12.0 9.1 13.7



#92

Benzo(g,h,i)perylene

Concen: 2.811 ng

RT: 17.327 min Scan# 2590

Delta R.T. -0.012 min

Lab File: BF141252.D

Acq: 23 Jan 2025 16:15

Tgt Ion:276 Resp: 60569

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.4

138 20.9 17.4 26.2

