

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
 Data File : BF141313.D
 Acq On : 30 Jan 2025 15:11
 Operator : RC/JU
 Sample : Q1209-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4

Quant Time: Jan 30 15:35:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

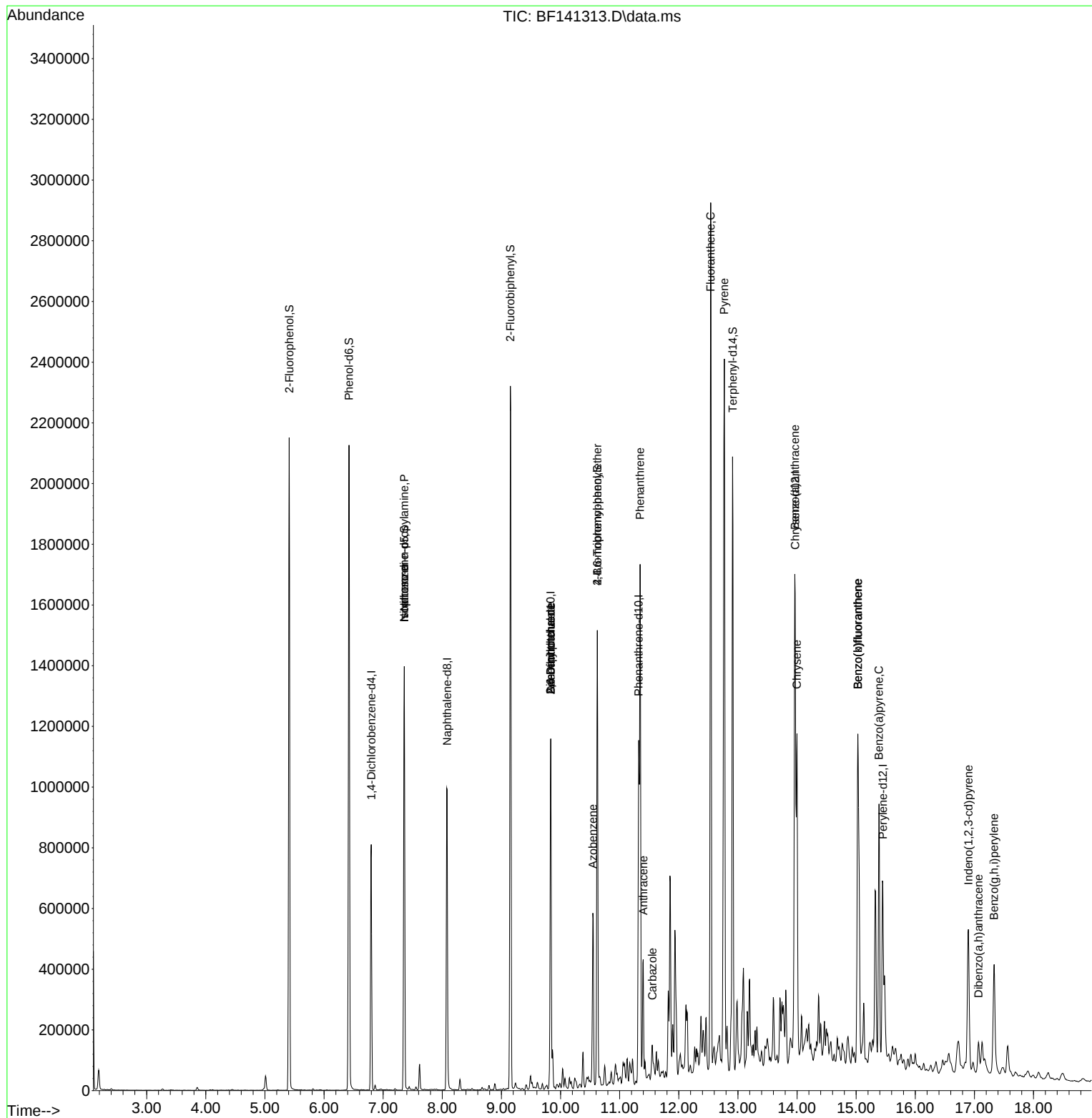
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	170178	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	666362	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	348098	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	553693	20.000	ng	0.00
76) Chrysene-d12	13.969	240	311260	20.000	ng	0.00
86) Perylene-d12	15.451	264	340489	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	790785	71.338	ng	0.00
7) Phenol-d6	6.422	99	990455	70.237	ng	-0.02
23) Nitrobenzene-d5	7.357	82	623478	49.324	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	227232	71.205	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1097395	48.524	ng	-0.01
79) Terphenyl-d14	12.910	244	953772	47.256	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.357	70	82136	9.802	ng	# 76
25) Isophorone	7.357	82	609418	27.891	ng	# 64
50) Dimethylphthalate	9.834	163	53921	2.293	ng	# 1
51) 2,6-Dinitrotoluene	9.834	165	46075	8.440	ng	# 24
57) 2,4-Dinitrotoluene	9.834	165	46075	6.519	ng	# 23
63) Azobenzene	10.545	77	137967	6.046	ng	# 1
67) 4-Bromophenyl-phenylether	10.622	248	15848	2.557	ng	# 1
71) Phenanthrene	11.345	178	904679	30.396	ng	100
72) Anthracene	11.398	178	231609	7.942	ng	99
73) Carbazole	11.551	167	54746	2.117	ng	96
75) Fluoranthene	12.539	202	1640535	55.824	ng	99
78) Pyrene	12.769	202	1367518	45.770	ng	99
81) Benzo(a)anthracene	13.963	228	694156	32.318	ng	97
83) Chrysene	13.998	228	529824	26.916	ng	98
87) Indeno(1,2,3-cd)pyrene	16.898	276	349948	15.924	ng	96
88) Benzo(b)fluoranthene	15.027	252	959228	44.787	ng	98
89) Benzo(k)fluoranthene	15.027	252	959228	50.556	ng	98
90) Benzo(a)pyrene	15.386	252	511716	28.273	ng	98
91) Dibenzo(a,h)anthracene	17.068	278	69425	3.927	ng	95
92) Benzo(g,h,i)perylene	17.333	276	319953	17.404	ng	100

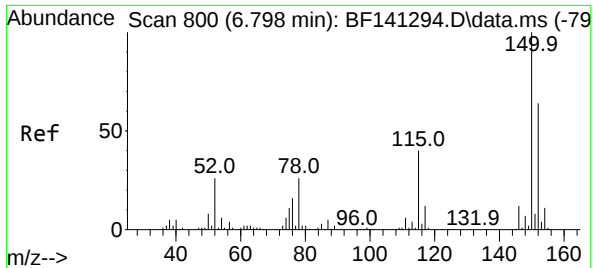
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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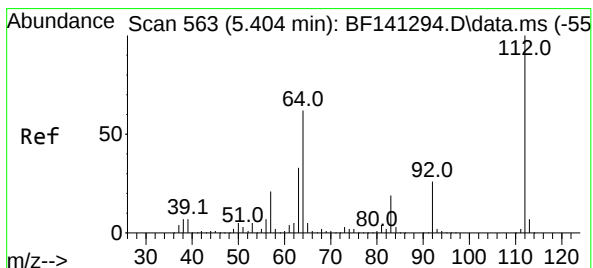
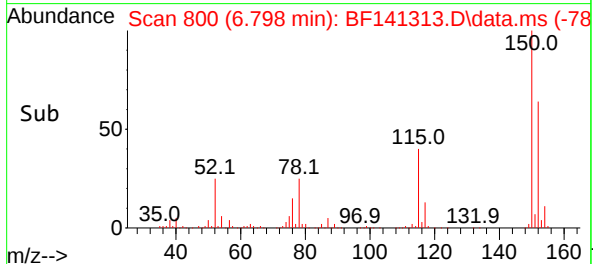
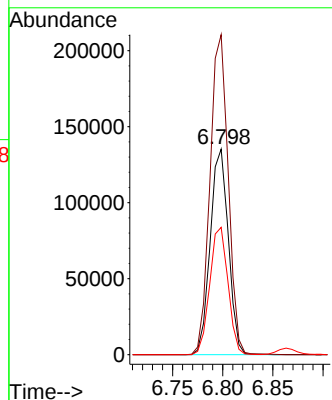
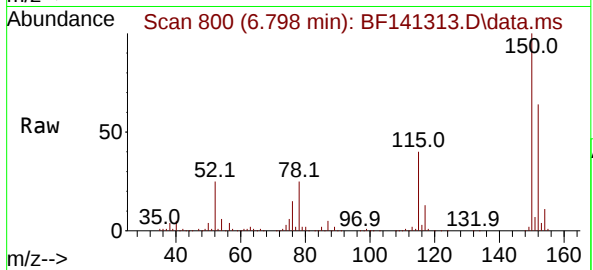




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF141313.D
Acq: 30 Jan 2025 15:11

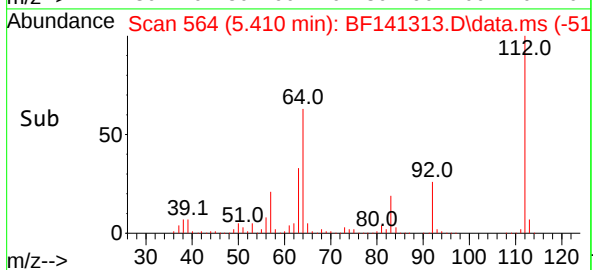
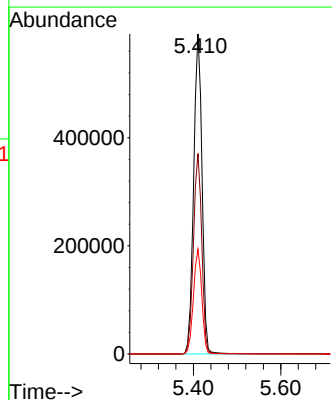
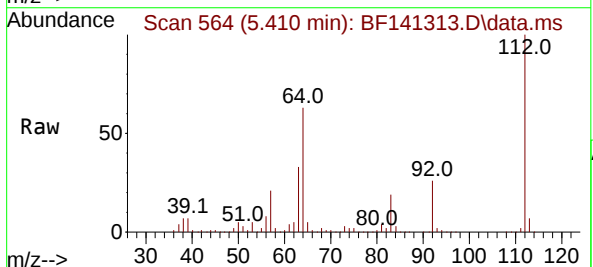
Instrument :
BNA_F
ClientSampleId :
WC-4

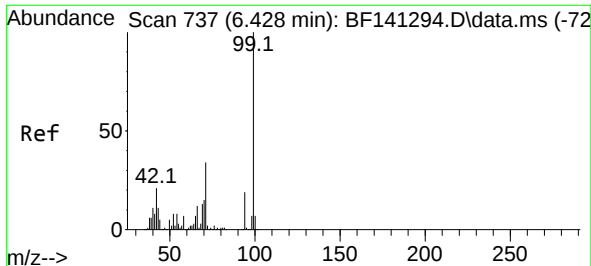
Tgt Ion:152 Resp: 170178
Ion Ratio Lower Upper
152 100
150 155.6 125.9 188.9
115 62.0 49.7 74.5



#5
2-Fluorophenol
Concen: 71.338 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF141313.D
Acq: 30 Jan 2025 15:11

Tgt Ion:112 Resp: 790785
Ion Ratio Lower Upper
112 100
64 62.6 49.8 74.8
63 32.7 26.1 39.1

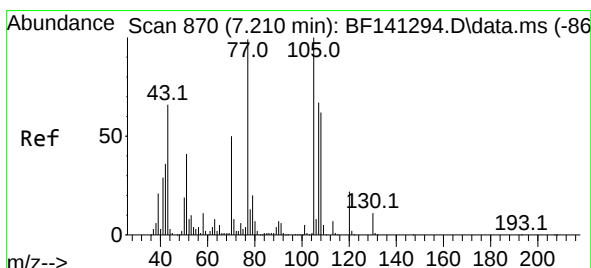
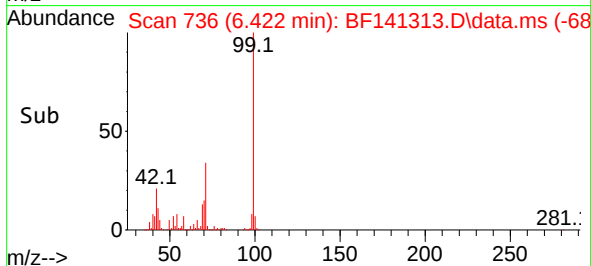
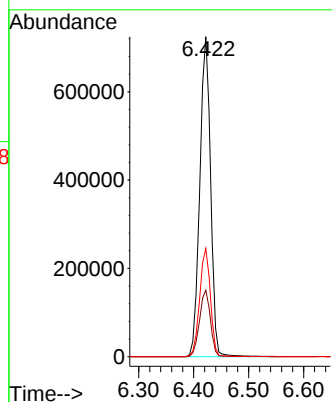
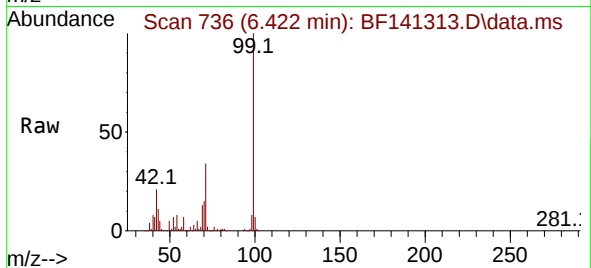




#7
Phenol-d6
Concen: 70.237 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141313.D
Acq: 30 Jan 2025 15:11

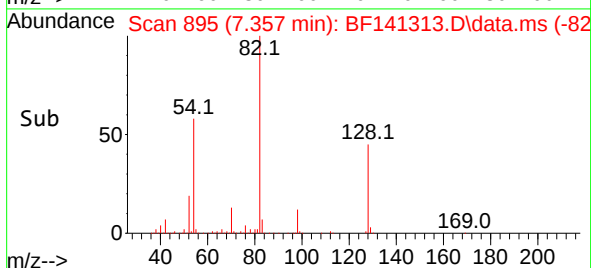
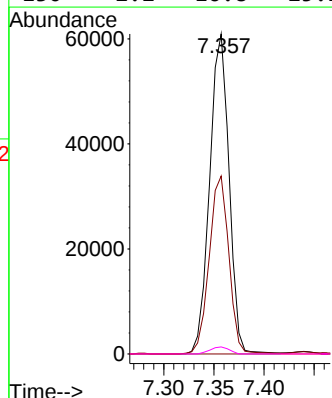
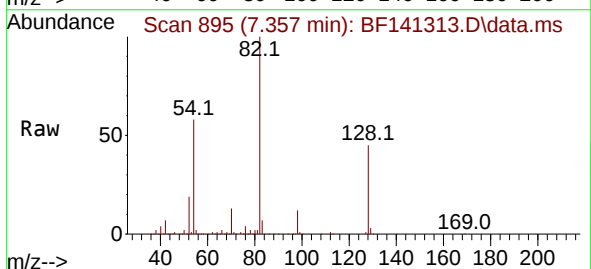
Instrument :
BNA_F
ClientSampleId :
WC-4

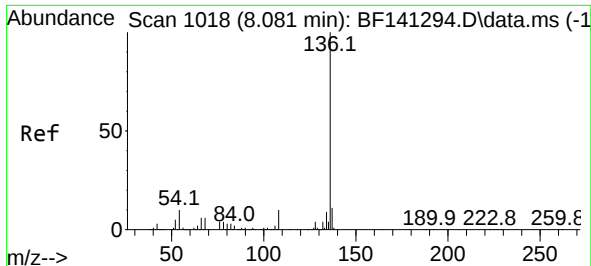
Tgt Ion: 99 Resp: 990455
Ion Ratio Lower Upper
99 100
42 20.8 17.1 25.7
71 33.8 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 9.802 ng
RT: 7.357 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF141313.D
Acq: 30 Jan 2025 15:11

Tgt Ion: 70 Resp: 82136
Ion Ratio Lower Upper
70 100
42 55.6 56.8 85.2#
101 0.0 7.7 11.5#
130 2.2 16.8 25.2#



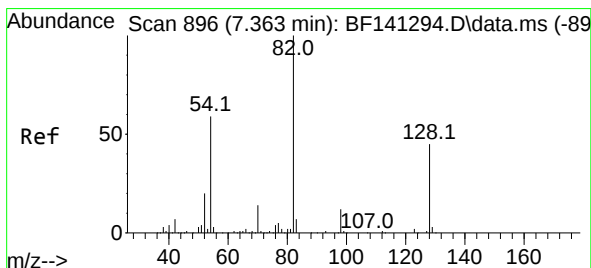
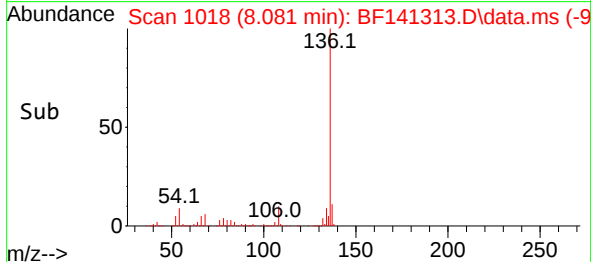
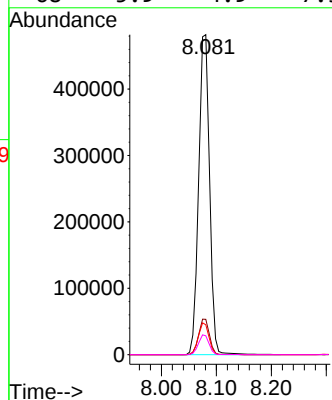
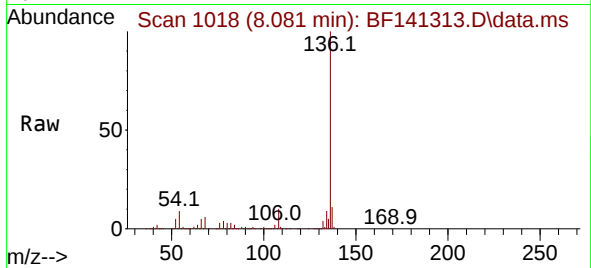


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141313.D
Acq: 30 Jan 2025 15:11

Instrument :
BNA_F
ClientSampleId :
WC-4

Tgt Ion:136 Resp: 666362

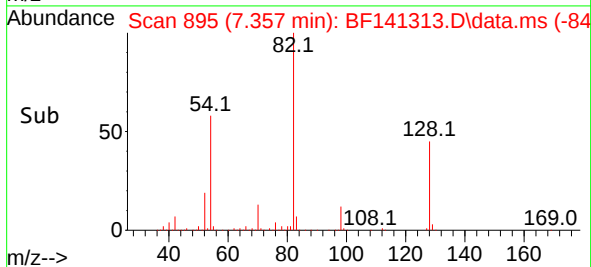
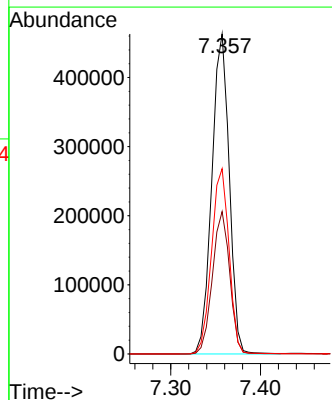
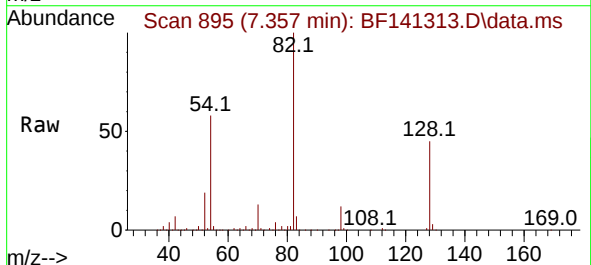
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	9.4	7.8	11.8
68	5.9	4.9	7.3

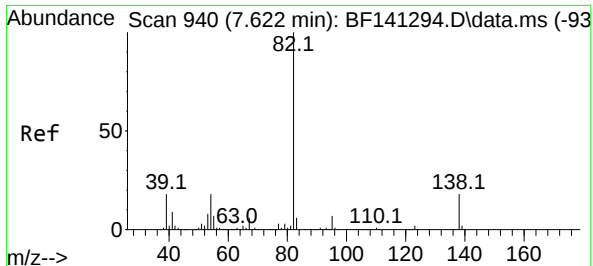


#23
Nitrobenzene-d5
Concen: 49.324 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF141313.D
Acq: 30 Jan 2025 15:11

Tgt Ion: 82 Resp: 623478

Ion	Ratio	Lower	Upper
82	100		
128	44.5	35.7	53.5
54	57.9	47.1	70.7

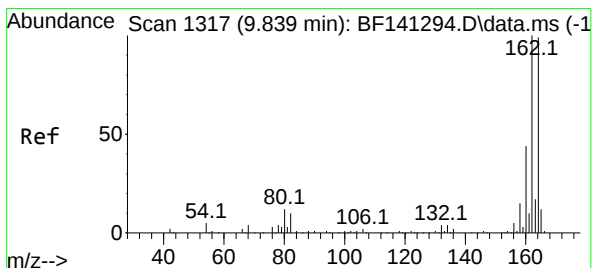
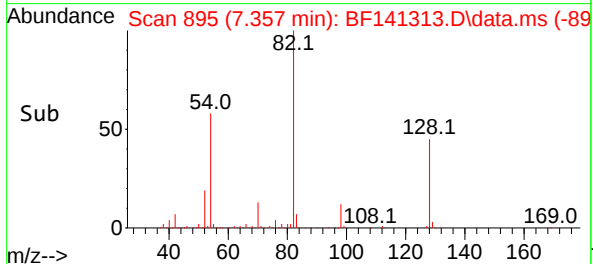
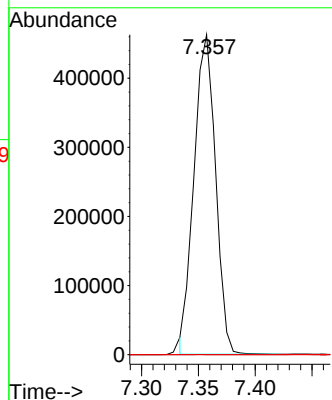
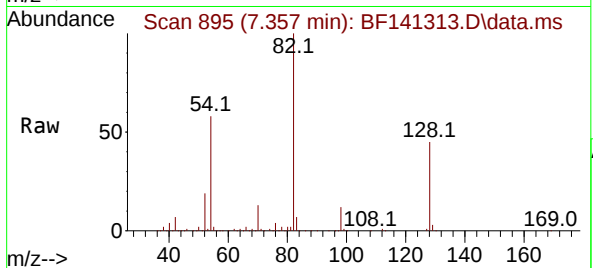




#25
Isophorone
Concen: 27.891 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF141313.D
Acq: 30 Jan 2025 15:11

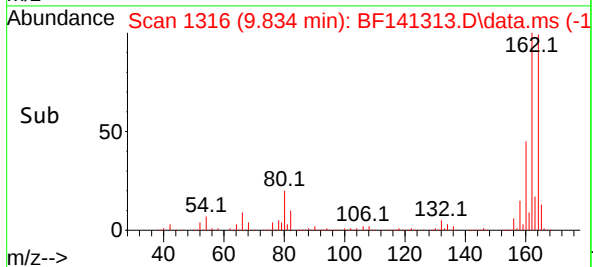
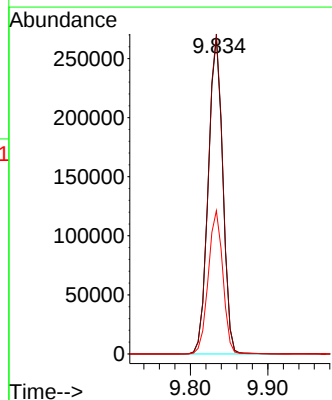
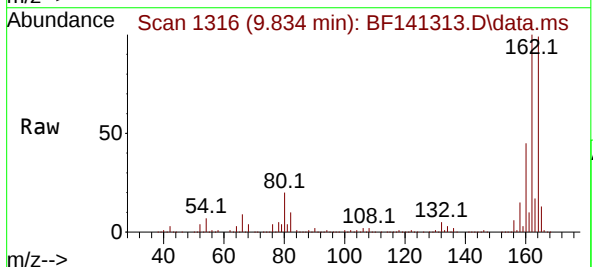
Instrument :
BNA_F
ClientSampleId :
WC-4

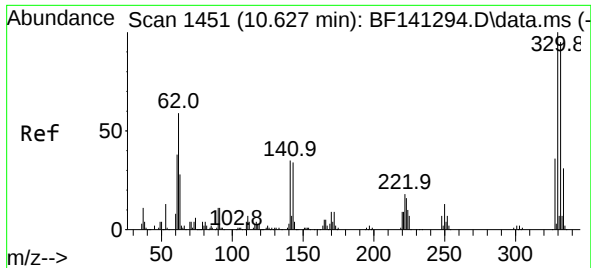
Tgt Ion: 82 Resp: 609418
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF141313.D
Acq: 30 Jan 2025 15:11

Tgt Ion:164 Resp: 348098
Ion Ratio Lower Upper
164 100
162 101.1 80.6 121.0
160 45.2 35.8 53.6

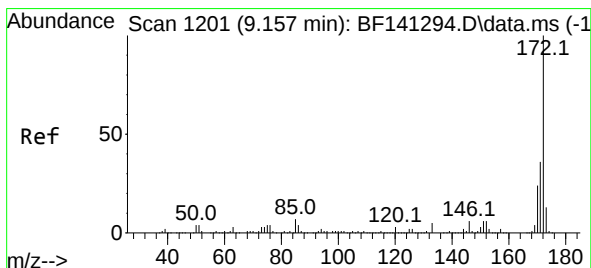
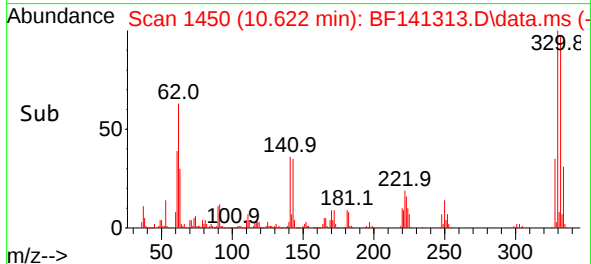
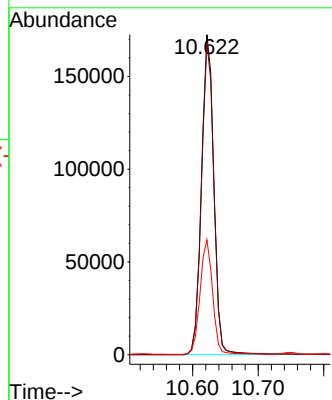
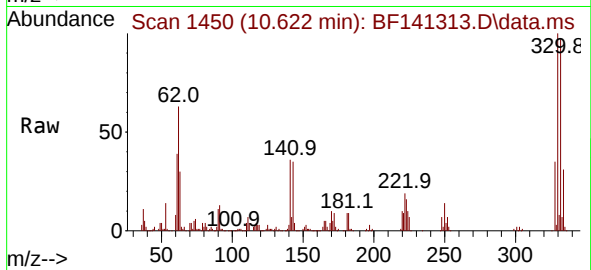




#42
2,4,6-Tribromophenol
Concen: 71.205 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF141313.D
Acq: 30 Jan 2025 15:11

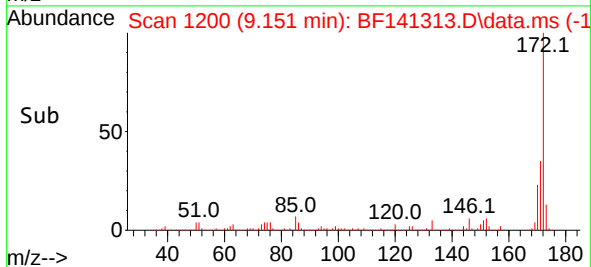
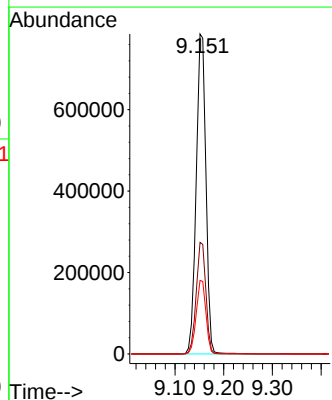
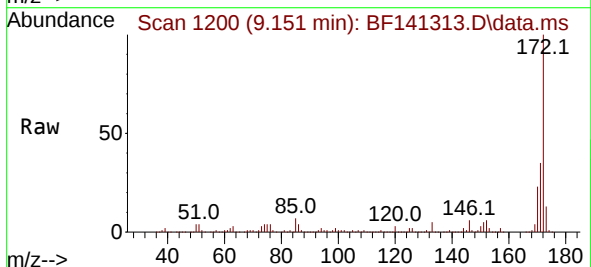
Instrument :
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ClientSampleId :
WC-4

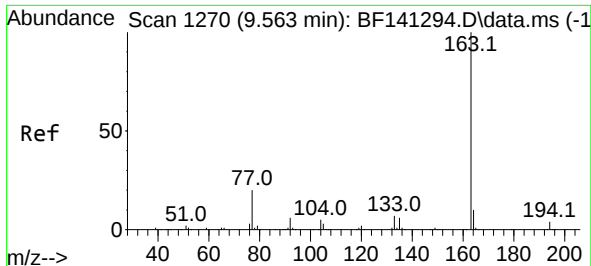
Tgt Ion:330 Resp: 227232
Ion Ratio Lower Upper
330 100
332 97.3 76.1 114.1
141 36.1 28.8 43.2



#45
2-Fluorobiphenyl
Concen: 48.524 ng
RT: 9.151 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF141313.D
Acq: 30 Jan 2025 15:11

Tgt Ion:172 Resp: 1097395
Ion Ratio Lower Upper
172 100
171 34.9 28.8 43.2
170 23.0 19.0 28.6

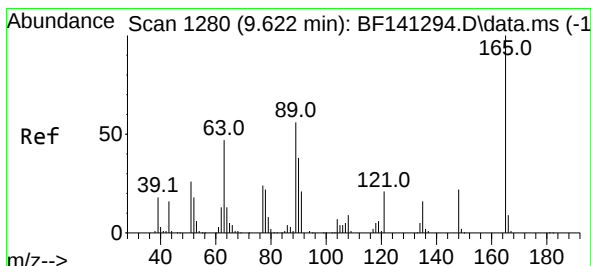
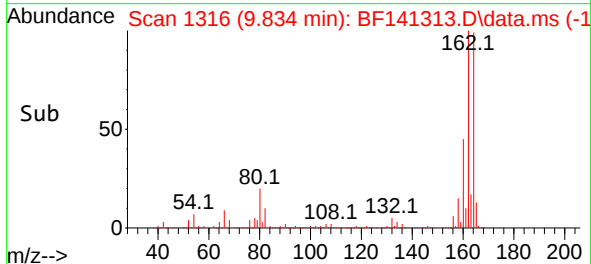
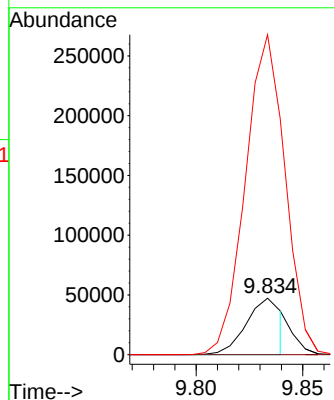
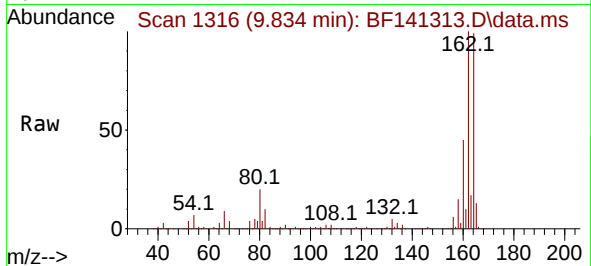




#50
Dimethylphthalate
Concen: 2.293 ng
RT: 9.834 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF141313.D
Acq: 30 Jan 2025 15:11

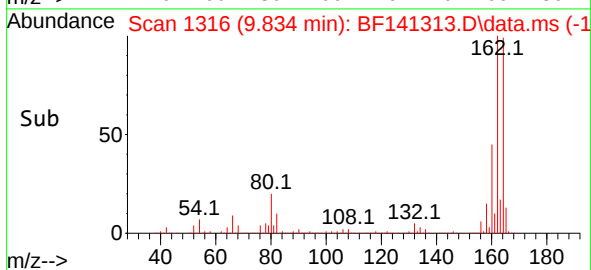
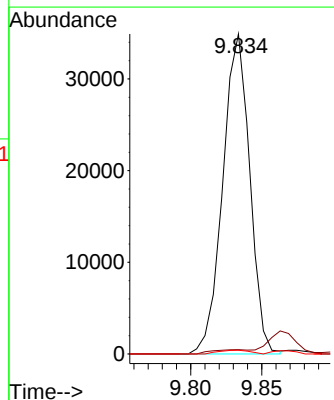
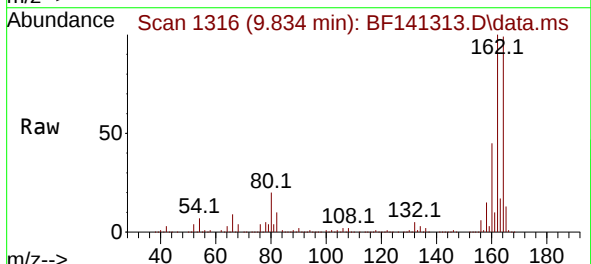
Instrument :
BNA_F
ClientSampleId :
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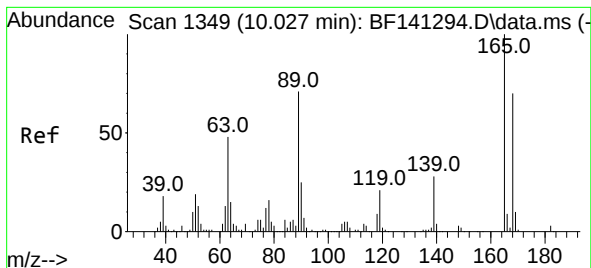
Tgt Ion:163 Resp: 53921
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 566.8 8.0 12.0#



#51
2,6-Dinitrotoluene
Concen: 8.440 ng
RT: 9.834 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF141313.D
Acq: 30 Jan 2025 15:11

Tgt Ion:165 Resp: 46075
Ion Ratio Lower Upper
165 100
63 1.4 48.1 72.1#
89 1.2 44.9 67.3#

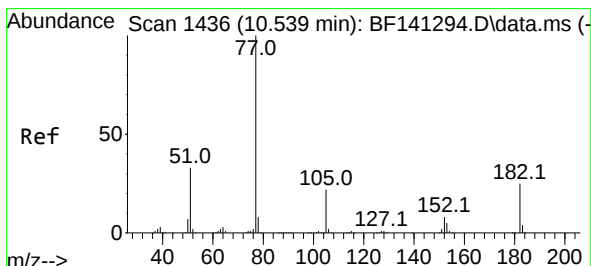
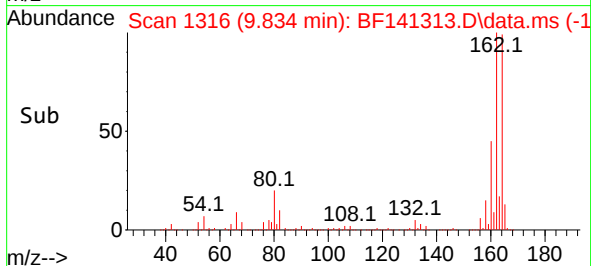
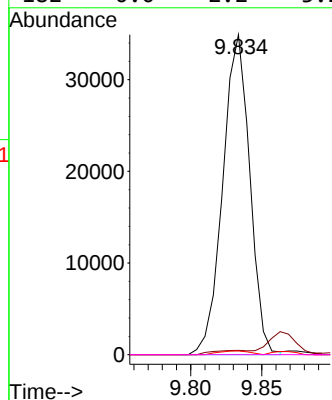
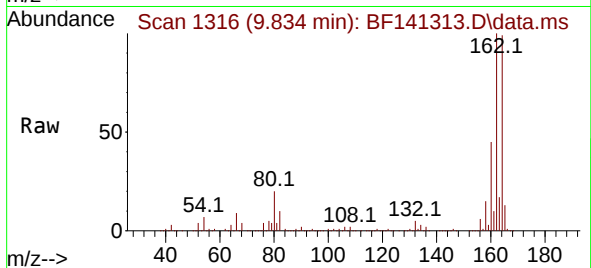




#57
2,4-Dinitrotoluene
Concen: 6.519 ng
RT: 9.834 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF141313.D
Acq: 30 Jan 2025 15:11

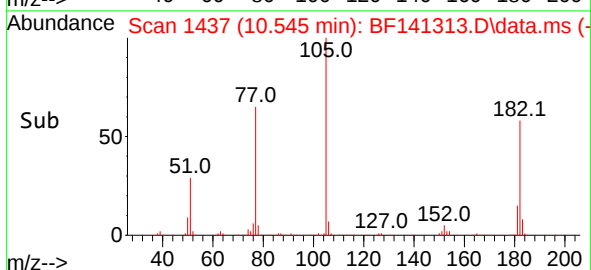
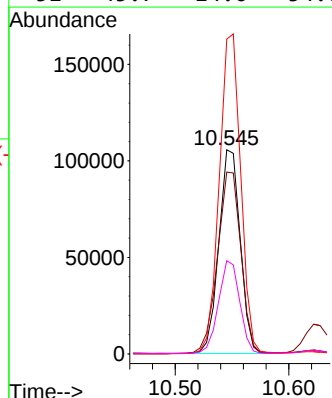
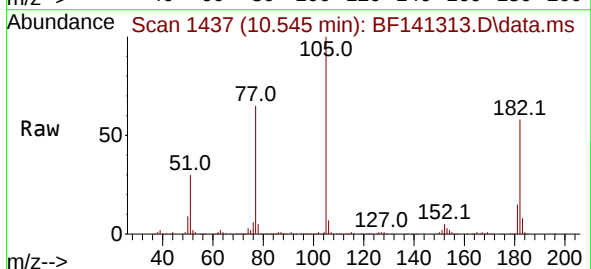
Instrument :
BNA_F
ClientSampleId :
WC-4

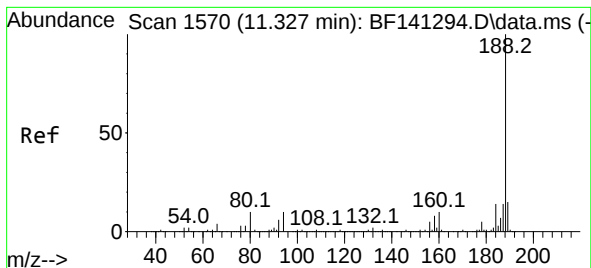
Tgt Ion:165 Resp: 46075
Ion Ratio Lower Upper
165 100
63 1.4 39.2 58.8#
89 1.2 56.9 85.3#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 6.046 ng
RT: 10.545 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BF141313.D
Acq: 30 Jan 2025 15:11

Tgt Ion: 77 Resp: 137967
Ion Ratio Lower Upper
77 100
182 89.1 5.1 45.1#
105 154.2 1.8 41.8#
51 45.7 14.0 54.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141313.D

Acq: 30 Jan 2025 15:11

Instrument :

BNA_F

ClientSampleId :

WC-4

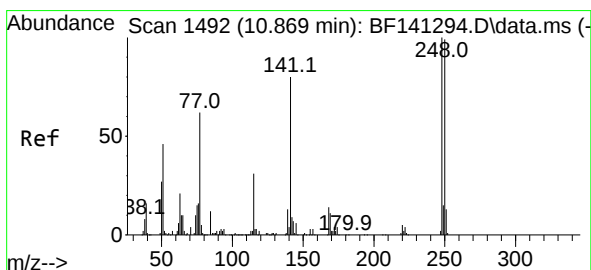
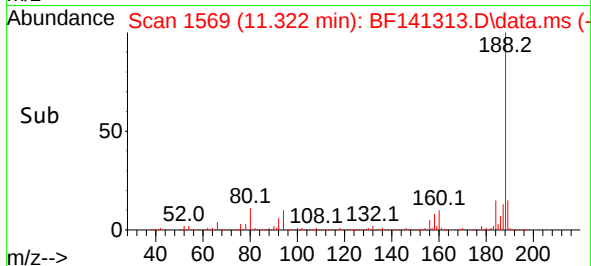
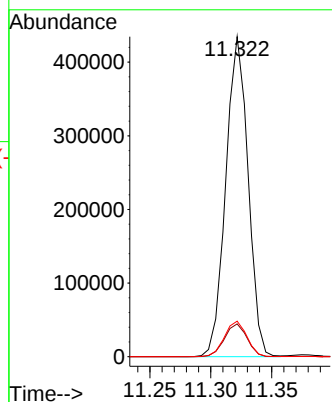
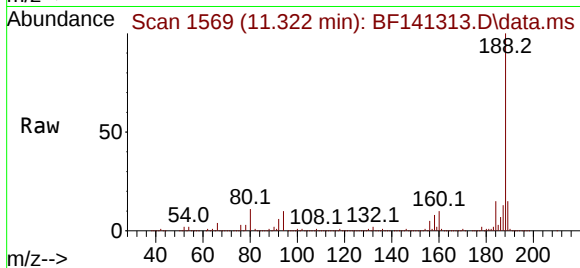
Tgt Ion:188 Resp: 553693

Ion Ratio Lower Upper

188 100

94 10.3 7.8 11.6

80 11.1 8.2 12.4



#67

4-Bromophenyl-phenylether

Concen: 2.557 ng

RT: 10.622 min Scan# 1450

Delta R.T. -0.253 min

Lab File: BF141313.D

Acq: 30 Jan 2025 15:11

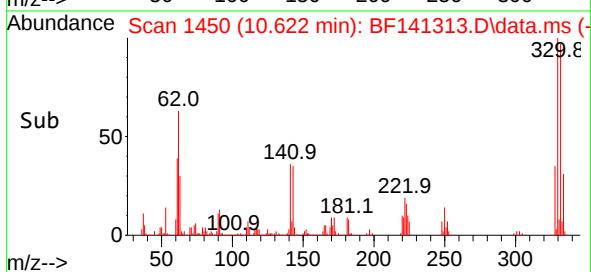
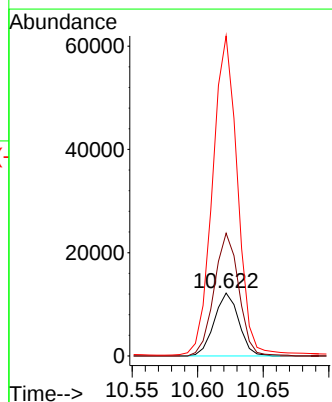
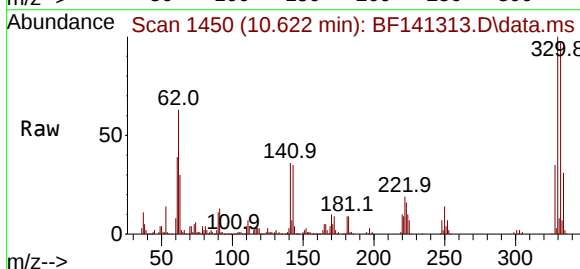
Tgt Ion:248 Resp: 15848

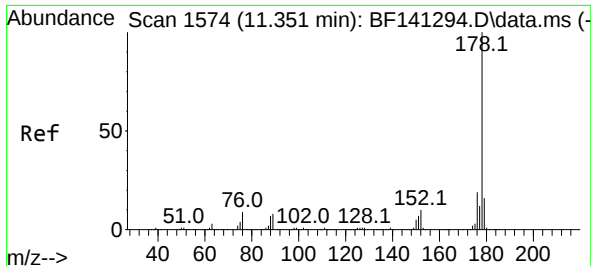
Ion Ratio Lower Upper

248 100

250 195.3 79.0 118.4#

141 509.3 63.7 95.5#

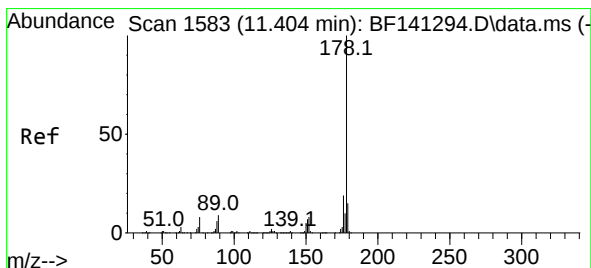
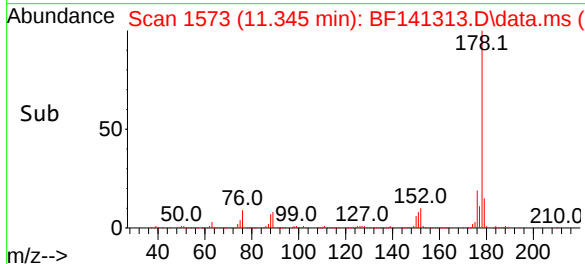
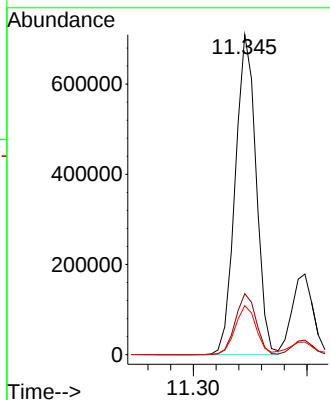
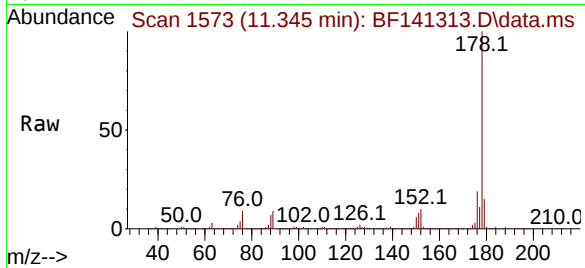




#71
Phenanthrene
Concen: 30.396 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141313.D
Acq: 30 Jan 2025 15:11

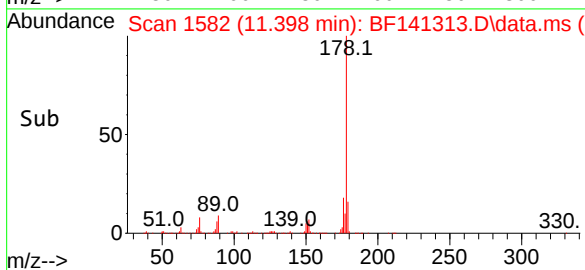
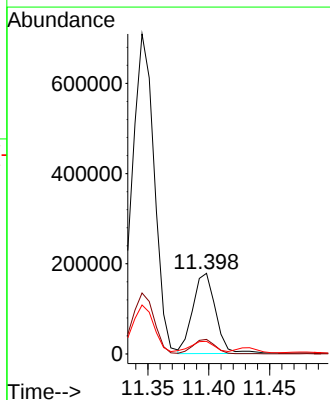
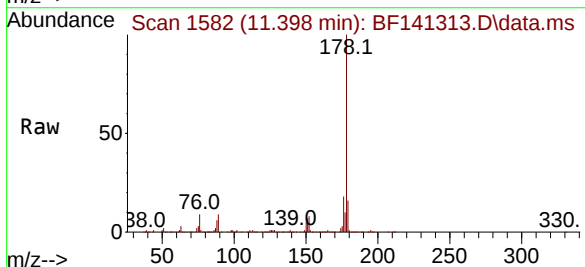
Instrument :
BNA_F
ClientSampleId :
WC-4

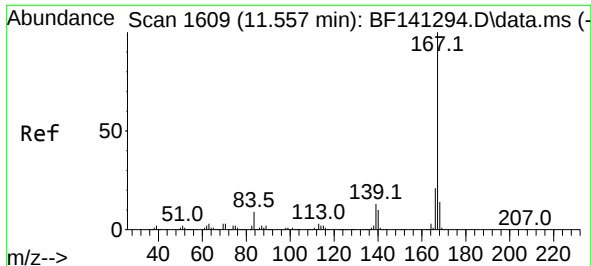
Tgt Ion:178 Resp: 904679
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.3 12.5 18.7



#72
Anthracene
Concen: 7.942 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141313.D
Acq: 30 Jan 2025 15:11

Tgt Ion:178 Resp: 231609
Ion Ratio Lower Upper
178 100
176 18.1 15.0 22.6
179 15.7 12.3 18.5

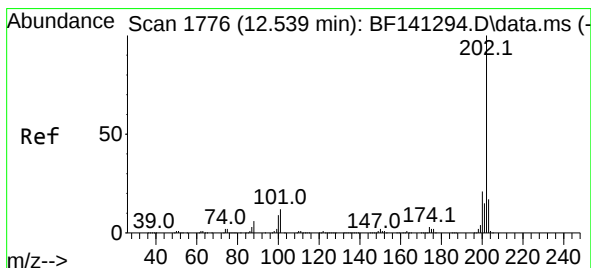
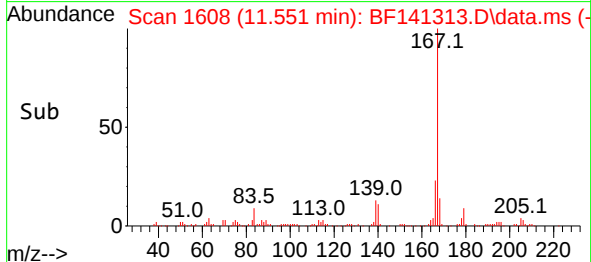
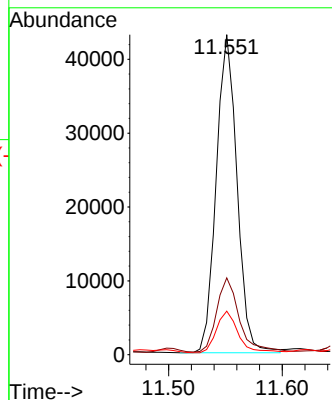
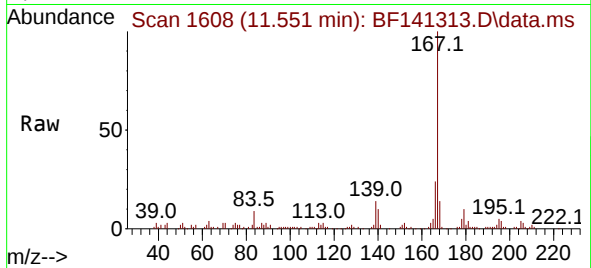




#73
Carbazole
Concen: 2.117 ng
RT: 11.551 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BF141313.D
Acq: 30 Jan 2025 15:11

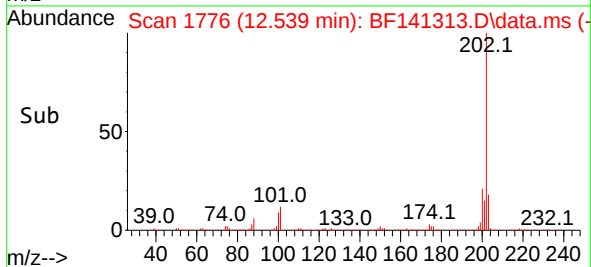
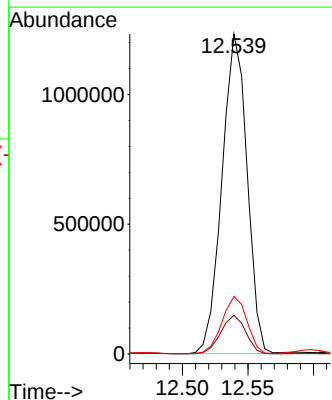
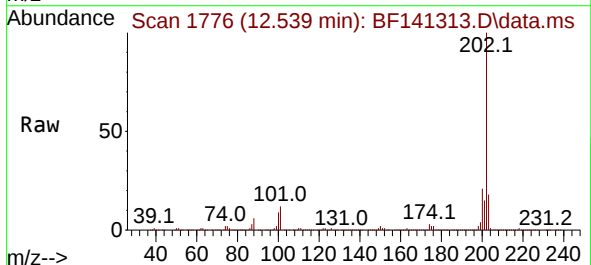
Instrument :
BNA_F
ClientSampleId :
WC-4

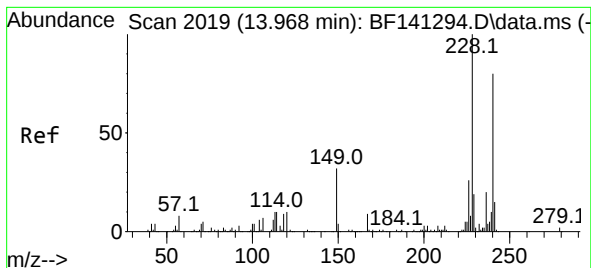
Tgt Ion:167 Resp: 54746
Ion Ratio Lower Upper
167 100
166 24.0 17.0 25.6
139 13.6 10.6 16.0



#75
Fluoranthene
Concen: 55.824 ng
RT: 12.539 min Scan# 1776
Delta R.T. -0.000 min
Lab File: BF141313.D
Acq: 30 Jan 2025 15:11

Tgt Ion:202 Resp: 1640535
Ion Ratio Lower Upper
202 100
101 12.1 0.0 31.7
203 18.0 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF141313.D

Acq: 30 Jan 2025 15:11

Instrument :

BNA_F

ClientSampleId :

WC-4

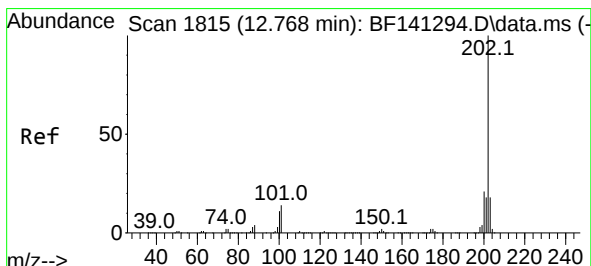
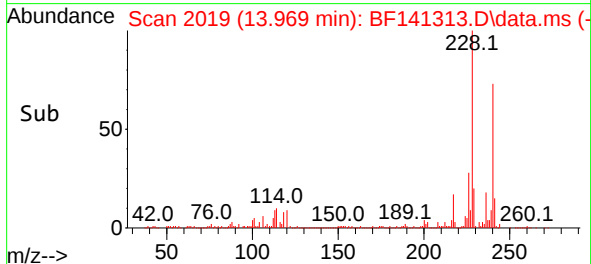
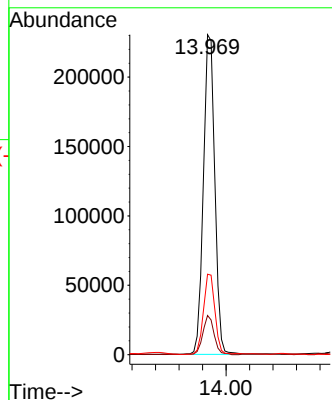
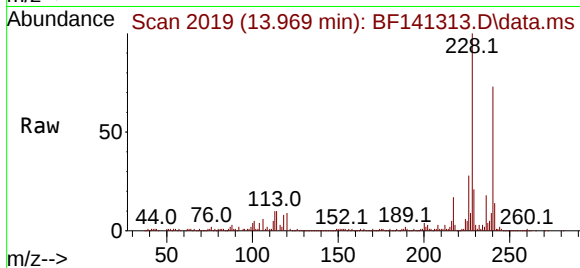
Tgt Ion:240 Resp: 311260

Ion Ratio Lower Upper

240 100

120 12.3 10.0 15.0

236 25.2 19.7 29.5



#78

Pyrene

Concen: 45.770 ng

RT: 12.769 min Scan# 1815

Delta R.T. -0.000 min

Lab File: BF141313.D

Acq: 30 Jan 2025 15:11

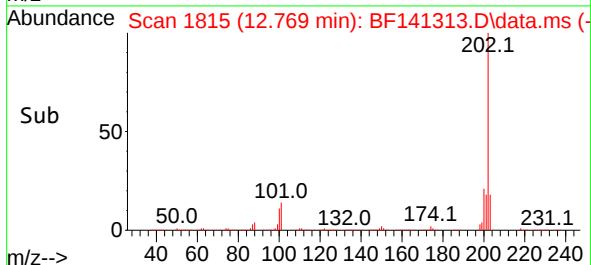
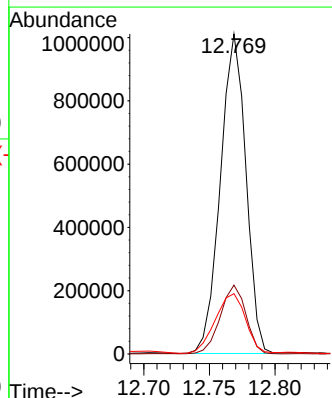
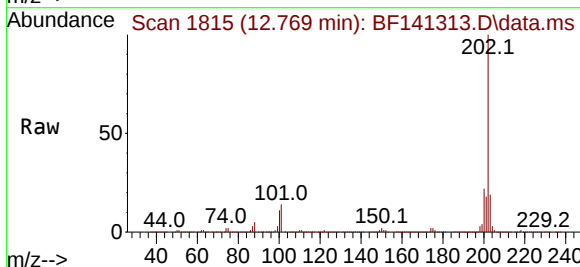
Tgt Ion:202 Resp: 1367518

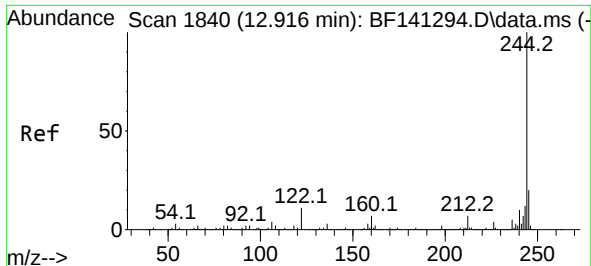
Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.4

203 18.9 14.3 21.5

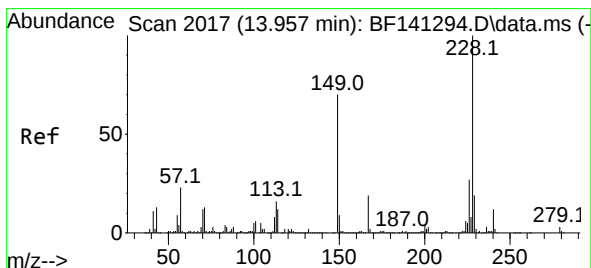
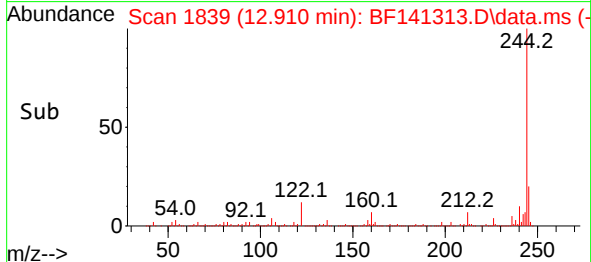
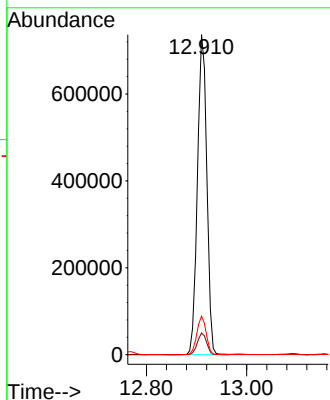
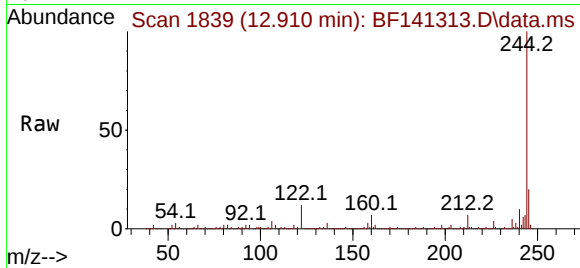




#79
 Terphenyl-d14
 Concen: 47.256 ng
 RT: 12.910 min Scan# 1840
 Delta R.T. -0.006 min
 Lab File: BF141313.D
 Acq: 30 Jan 2025 15:11

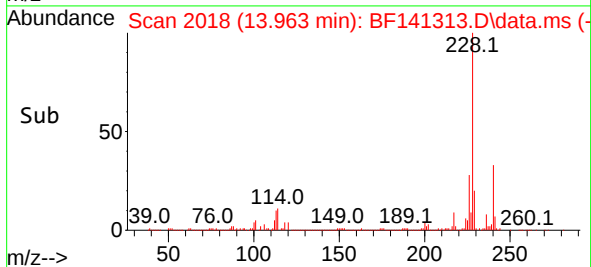
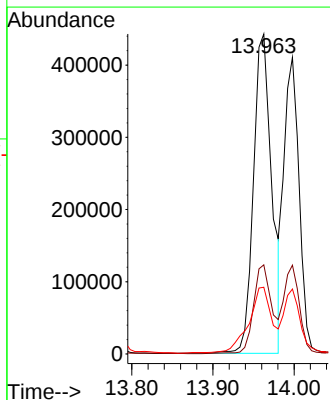
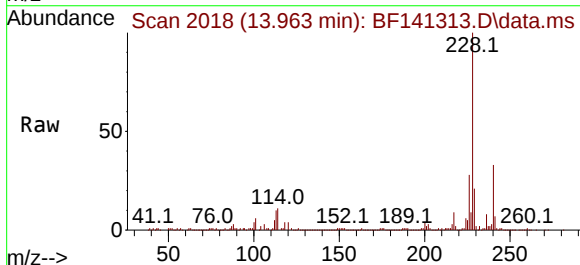
Instrument :
 BNA_F
 ClientSampleId :
 WC-4

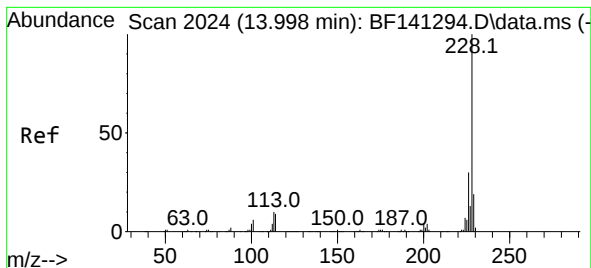
Tgt Ion:244 Resp: 953772
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 12.1 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 32.318 ng
 RT: 13.963 min Scan# 2018
 Delta R.T. -0.000 min
 Lab File: BF141313.D
 Acq: 30 Jan 2025 15:11

Tgt Ion:228 Resp: 694156
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.4 32.2
 229 20.8 15.5 23.3





#83

Chrysene

Concen: 26.916 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF141313.D

Acq: 30 Jan 2025 15:11

Instrument :

BNA_F

ClientSampleId :

WC-4

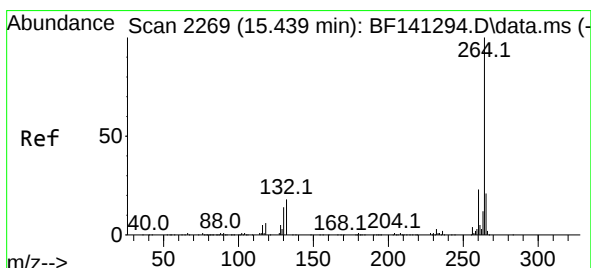
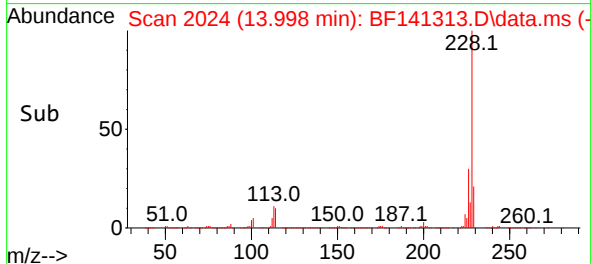
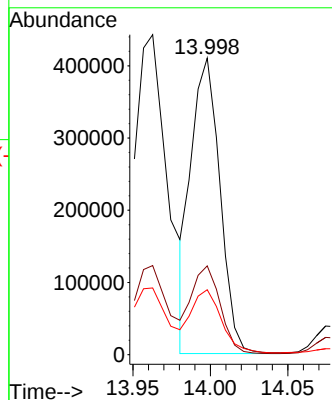
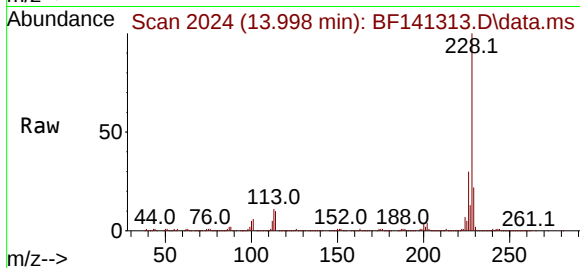
Tgt Ion:228 Resp: 529824

Ion Ratio Lower Upper

228 100

226 29.9 24.1 36.1

229 21.9 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2271

Delta R.T. 0.012 min

Lab File: BF141313.D

Acq: 30 Jan 2025 15:11

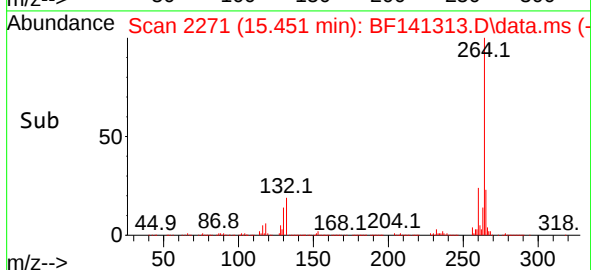
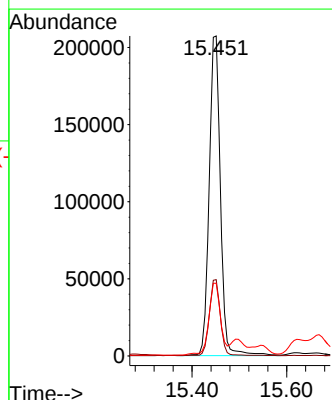
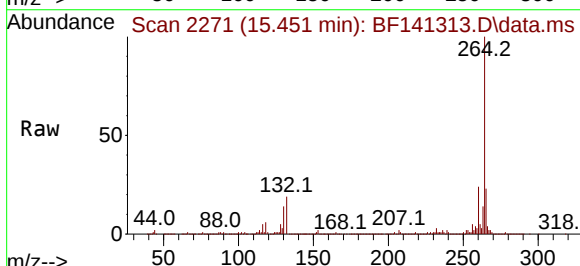
Tgt Ion:264 Resp: 340489

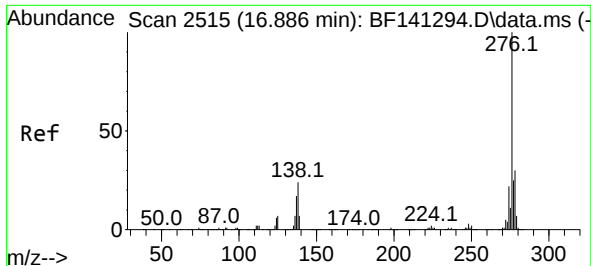
Ion Ratio Lower Upper

264 100

260 23.8 18.6 27.8

265 22.8 16.7 25.1

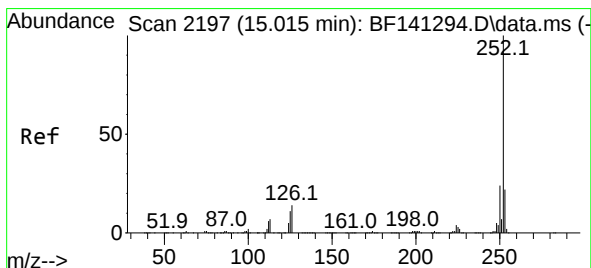
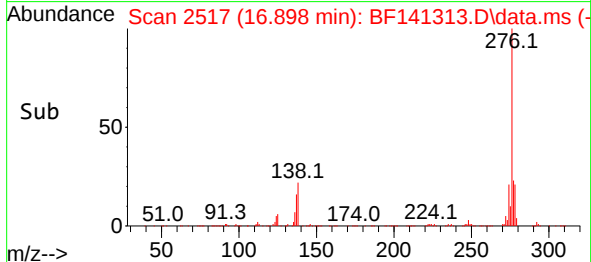
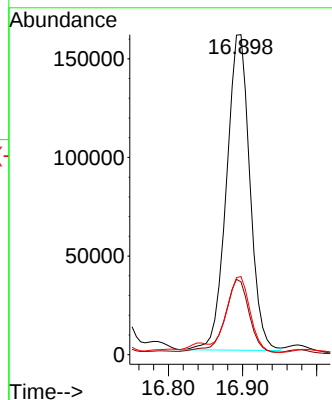
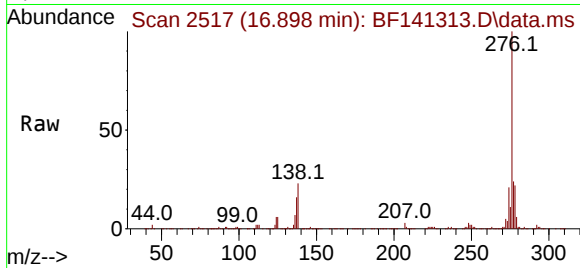




#87
Indeno(1,2,3-cd)pyrene
Concen: 15.924 ng
RT: 16.898 min Scan# 2197
Delta R.T. -0.000 min
Lab File: BF141313.D
Acq: 30 Jan 2025 15:11

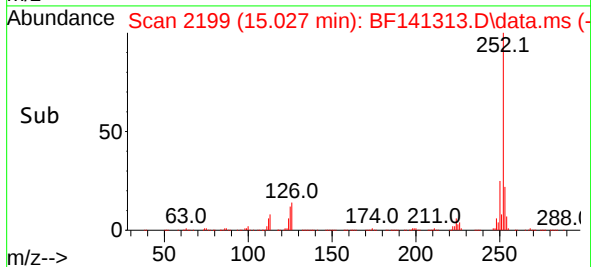
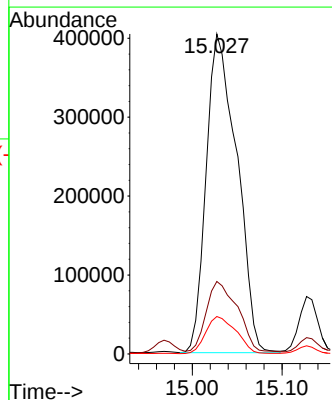
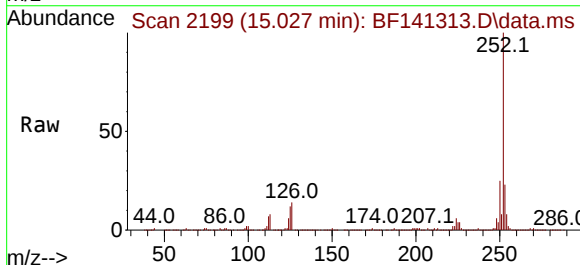
Instrument :
BNA_F
ClientSampleId :
WC-4

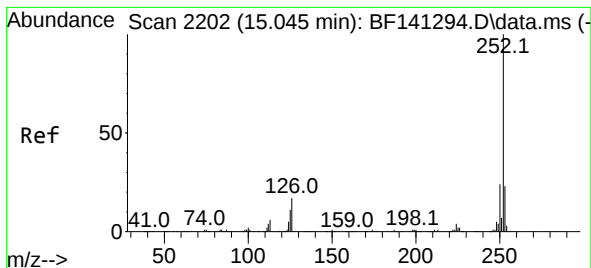
Tgt Ion:276 Resp: 349948
Ion Ratio Lower Upper
276 100
138 23.8 21.7 32.5
277 24.2 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 44.787 ng
RT: 15.027 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF141313.D
Acq: 30 Jan 2025 15:11

Tgt Ion:252 Resp: 959228
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 11.7 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 50.556 ng

RT: 15.027 min Scan# 2199

Delta R.T. -0.024 min

Lab File: BF141313.D

Acq: 30 Jan 2025 15:11

Instrument :

BNA_F

ClientSampleId :

WC-4

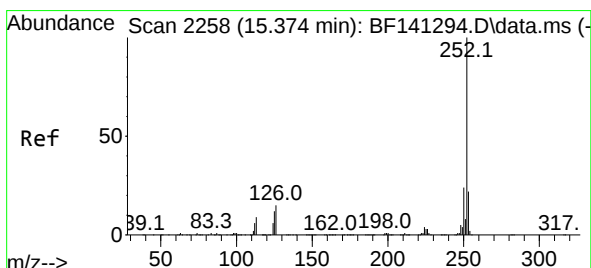
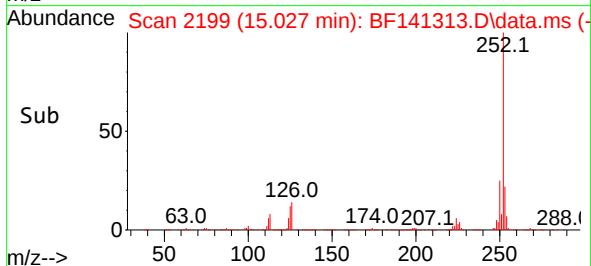
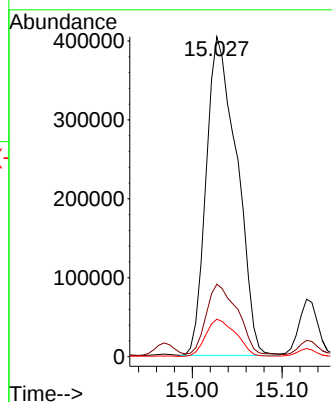
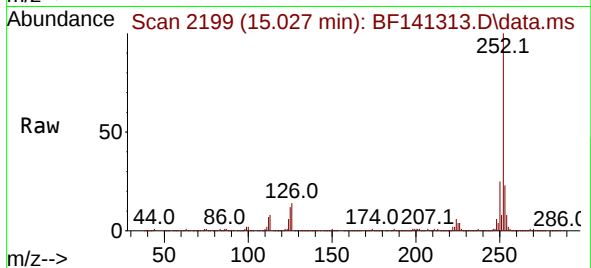
Tgt Ion:252 Resp: 959228

Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

125 11.7 8.4 12.6



#90

Benzo(a)pyrene

Concen: 28.273 ng

RT: 15.386 min Scan# 2260

Delta R.T. 0.006 min

Lab File: BF141313.D

Acq: 30 Jan 2025 15:11

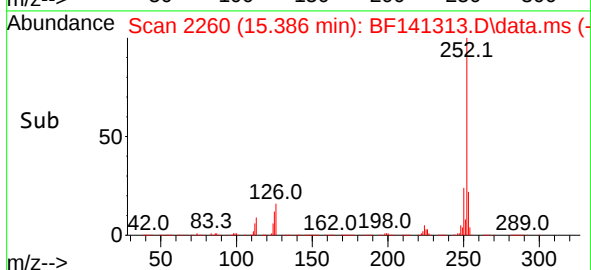
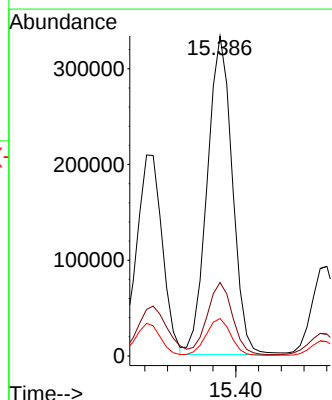
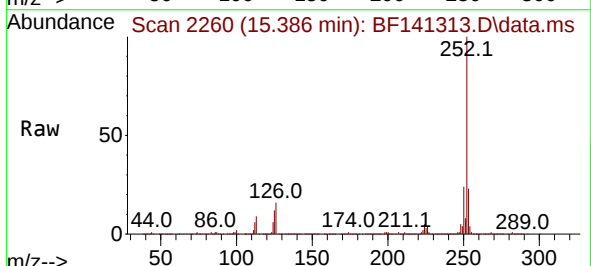
Tgt Ion:252 Resp: 511716

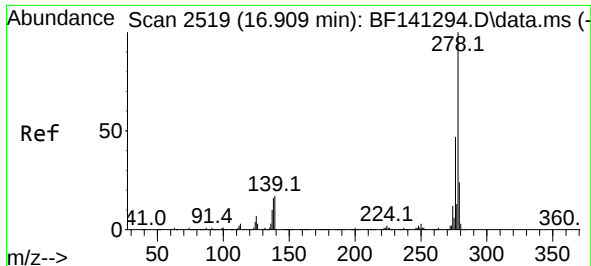
Ion Ratio Lower Upper

252 100

253 23.0 17.2 25.8

125 11.7 9.4 14.2

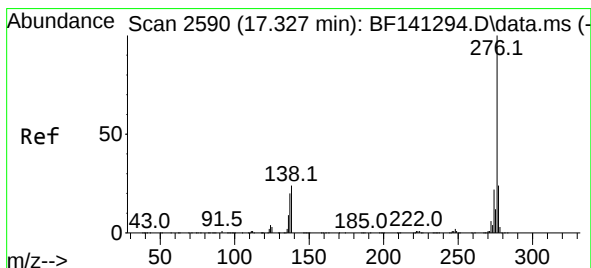
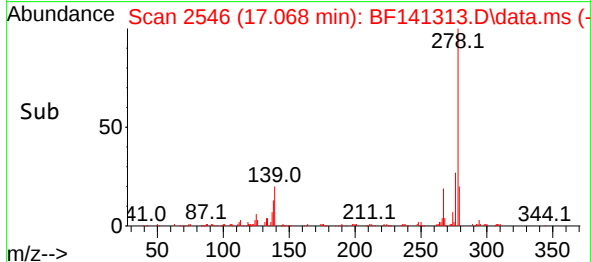
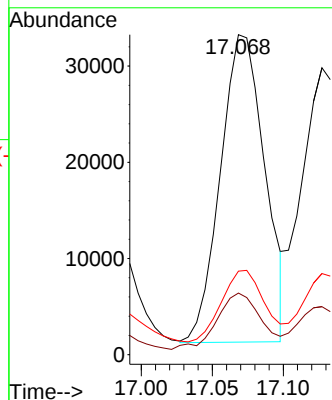
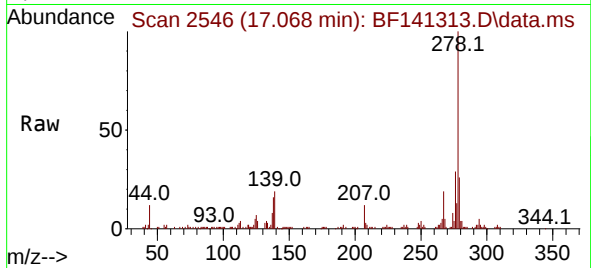




#91
Dibenzo(a,h)anthracene
Concen: 3.927 ng
RT: 17.068 min Scan# 2519
Delta R.T. 0.147 min
Lab File: BF141313.D
Acq: 30 Jan 2025 15:11

Instrument :
BNA_F
ClientSampleId :
WC-4

Tgt Ion: 278 Resp: 69425
Ion Ratio Lower Upper
278 100
139 19.3 13.9 20.9
279 26.1 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 17.404 ng
RT: 17.333 min Scan# 2591
Delta R.T. -0.012 min
Lab File: BF141313.D
Acq: 30 Jan 2025 15:11

Tgt Ion: 276 Resp: 319953
Ion Ratio Lower Upper
276 100
277 23.7 19.2 28.8
138 23.6 19.0 28.4

