

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141424.D
 Acq On : 04 Feb 2025 22:11
 Operator : RC/JU
 Sample : Q1194-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-113-SB01

Quant Time: Feb 05 00:35:11 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)

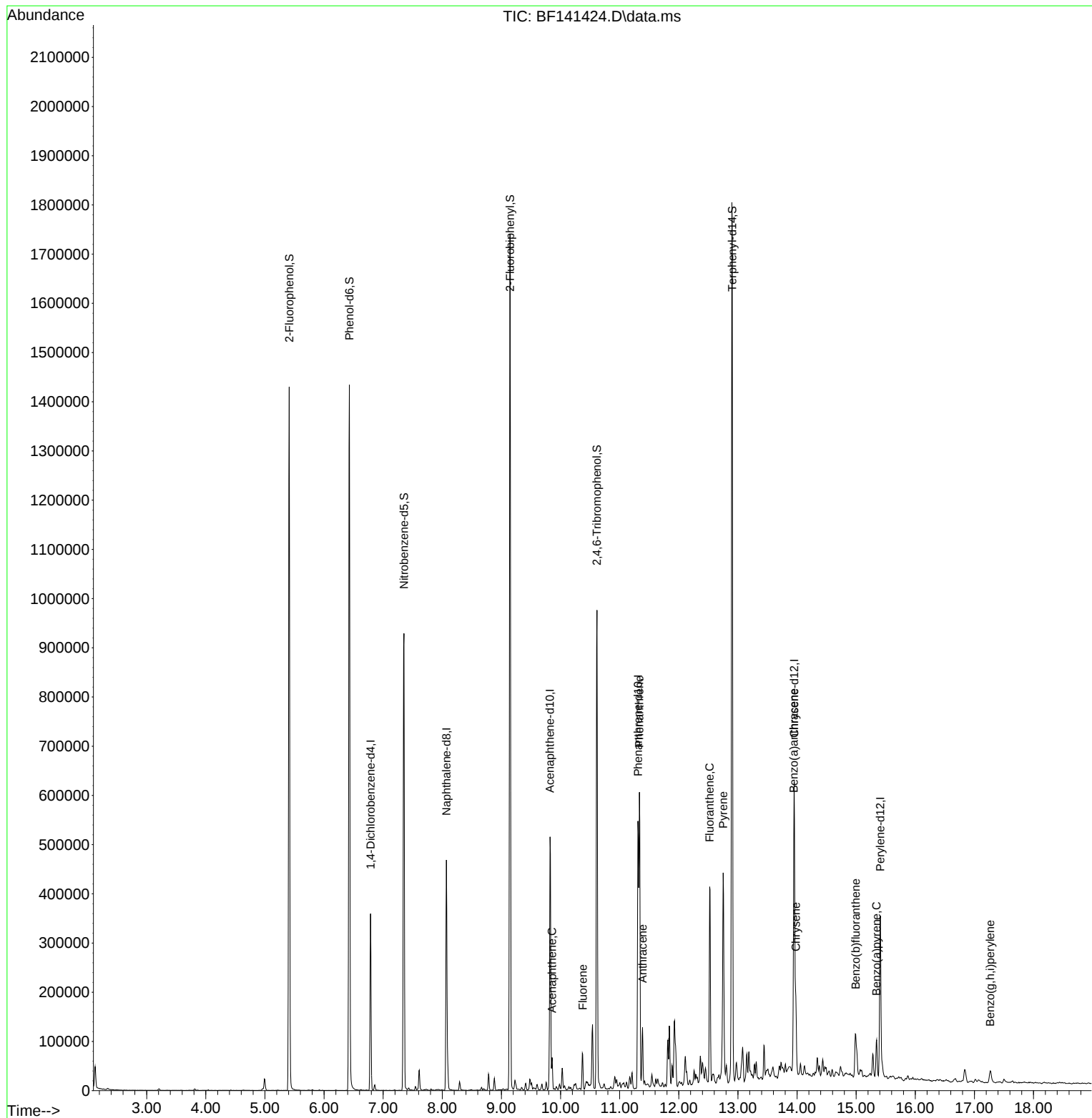
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	70324	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	279899	20.000	ng	#-0.02
39) Acenaphthene-d10	9.822	164	155548	20.000	ng	-0.02
64) Phenanthrene-d10	11.310	188	272951	20.000	ng	-0.02
76) Chrysene-d12	13.951	240	230042	20.000	ng	-0.02
86) Perylene-d12	15.410	264	197101	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	505129	110.272	ng	0.00
7) Phenol-d6	6.428	99	615541	105.630	ng	-0.01
23) Nitrobenzene-d5	7.351	82	405374	76.349	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	152191	106.725	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	749004	74.116	ng	-0.02
79) Terphenyl-d14	12.904	244	895307	60.021	ng	-0.01
Target Compounds						
						Qvalue
52) Acenaphthene	9.857	154	19323	2.044	ng	94
58) Fluorene	10.375	166	29386	2.993	ng	96
71) Phenanthrene	11.333	178	314087	21.407	ng	100
72) Anthracene	11.386	178	67226	4.676	ng	99
75) Fluoranthene	12.522	202	228292	15.758	ng	98
78) Pyrene	12.751	202	245180	11.103	ng	98
81) Benzo(a)anthracene	13.945	228	96432	6.075	ng	98
83) Chrysene	13.980	228	76948	5.289	ng	98
88) Benzo(b)fluoranthene	14.992	252	57537m	4.641	ng	
90) Benzo(a)pyrene	15.345	252	46939	4.480	ng	97
92) Benzo(g,h,i)perylene	17.268	276	22883	2.150	ng	96

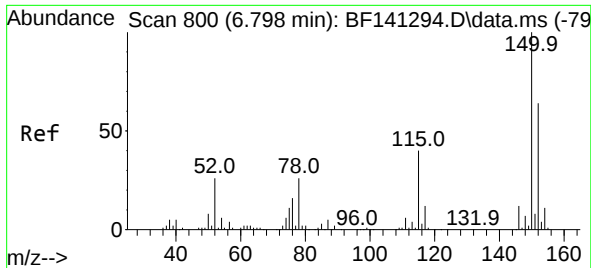
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
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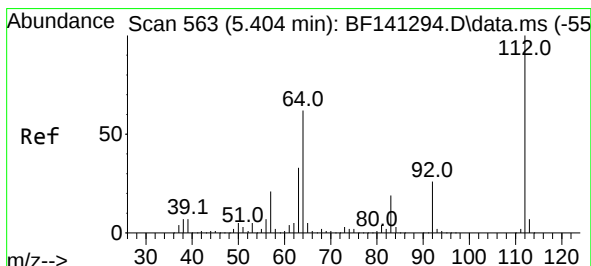
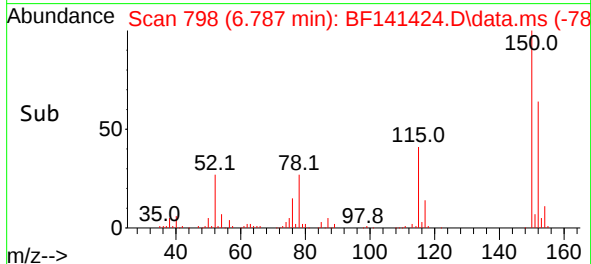
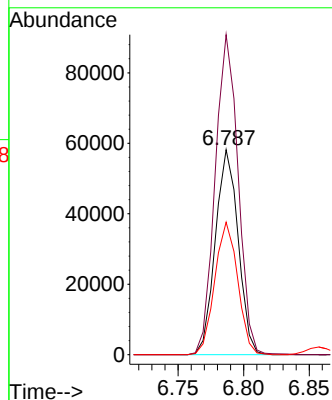
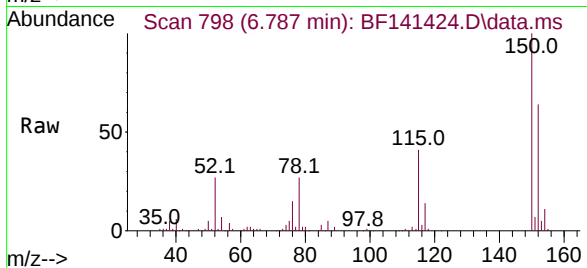




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.017 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

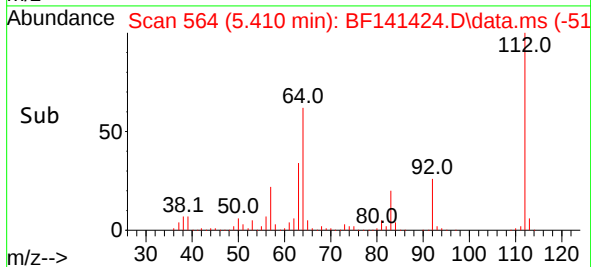
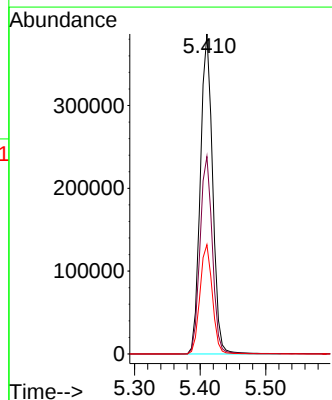
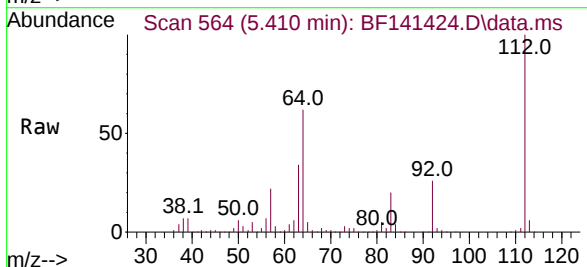
Instrument :
BNA_F
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B-113-SB01

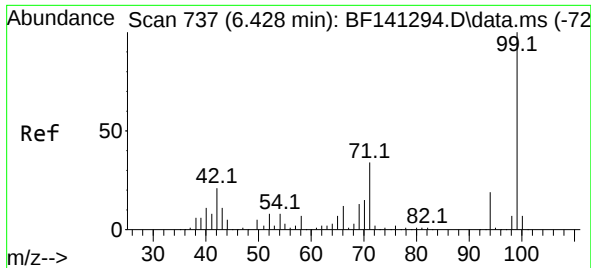
Tgt Ion:152 Resp: 70324
Ion Ratio Lower Upper
152 100
150 156.1 125.9 188.9
115 64.6 49.7 74.5



#5
2-Fluorophenol
Concen: 110.272 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:112 Resp: 505129
Ion Ratio Lower Upper
112 100
64 61.7 49.8 74.8
63 34.1 26.1 39.1

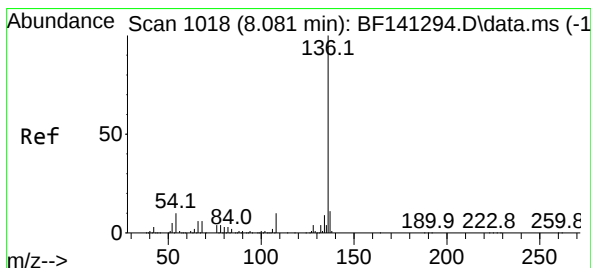
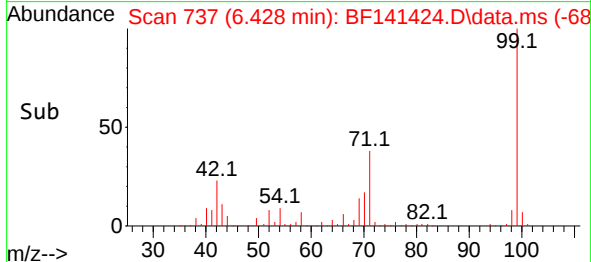
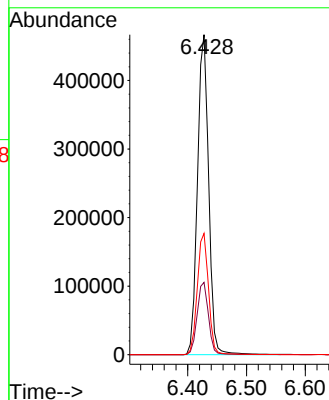
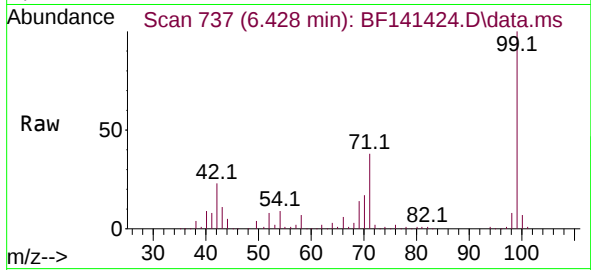




#7
Phenol-d6
Concen: 105.630 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

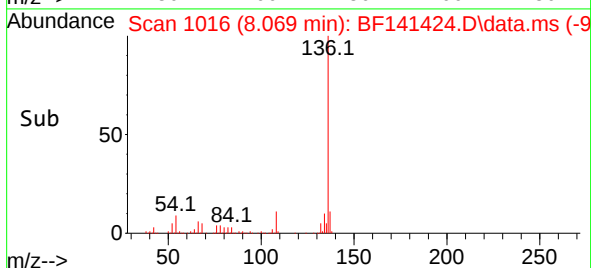
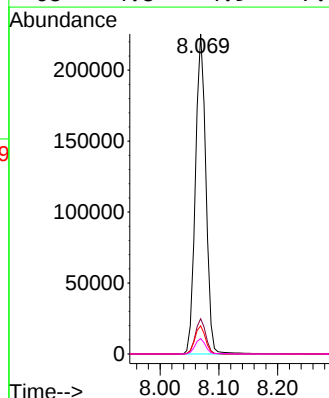
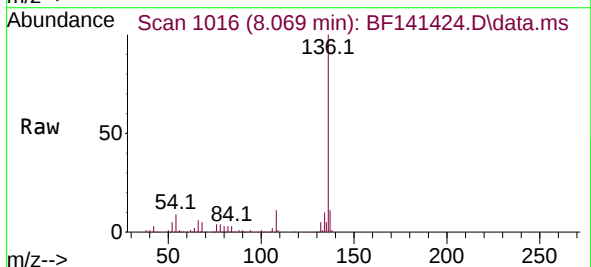
Instrument :
BNA_F
ClientSampleId :
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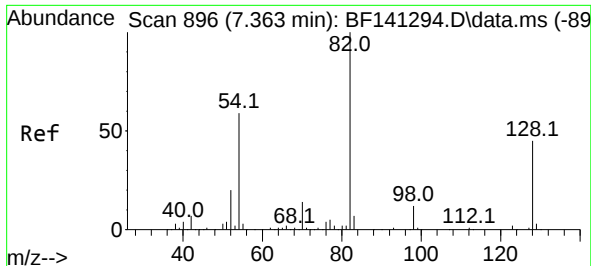
Tgt Ion: 99 Resp: 615541
Ion Ratio Lower Upper
99 100
42 22.6 17.1 25.7
71 37.9 26.9 40.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion: 136 Resp: 279899
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.8 7.8 11.8
68 4.8 4.9 7.3#





#23

Nitrobenzene-d5

Concen: 76.349 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

Instrument :

BNA_F

ClientSampleId :

B-113-SB01

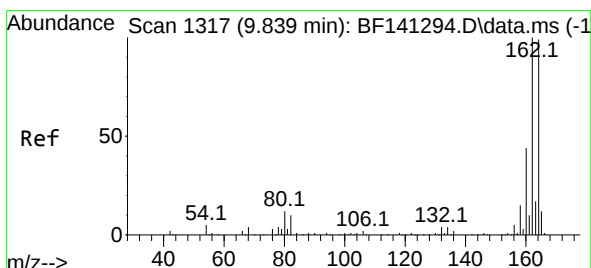
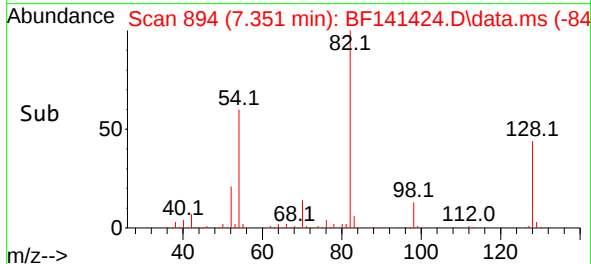
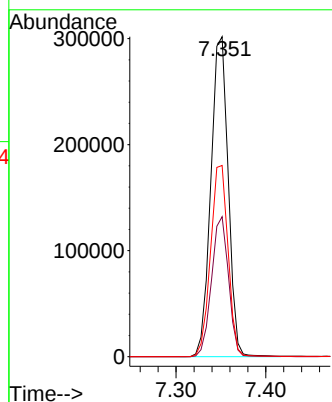
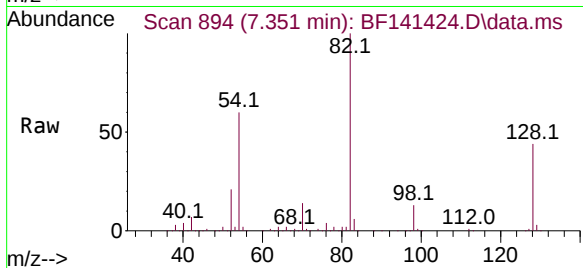
Tgt Ion: 82 Resp: 405374

Ion Ratio Lower Upper

82 100

128 43.8 35.7 53.5

54 59.8 47.1 70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1314

Delta R.T. -0.018 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

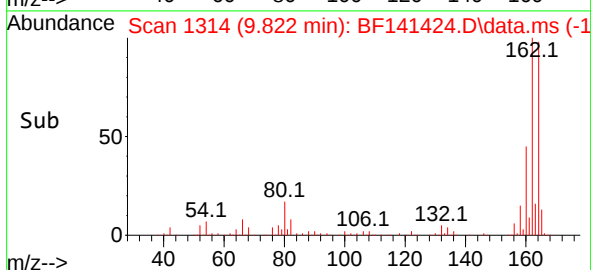
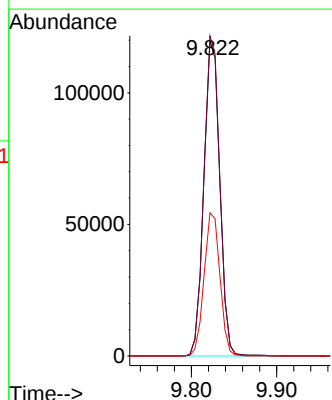
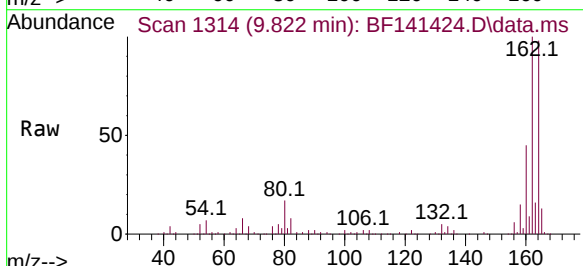
Tgt Ion:164 Resp: 155548

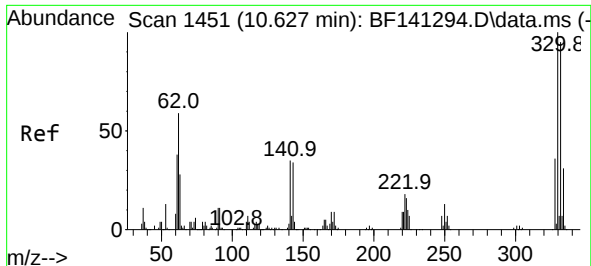
Ion Ratio Lower Upper

164 100

162 101.6 80.6 121.0

160 45.5 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 106.725 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.018 min

Lab File: BF141424.D

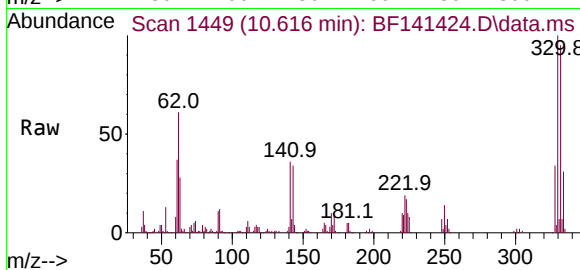
Acq: 04 Feb 2025 22:11

Instrument :

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ClientSampleId :

B-113-SB01



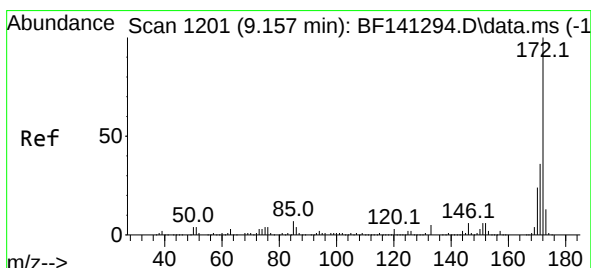
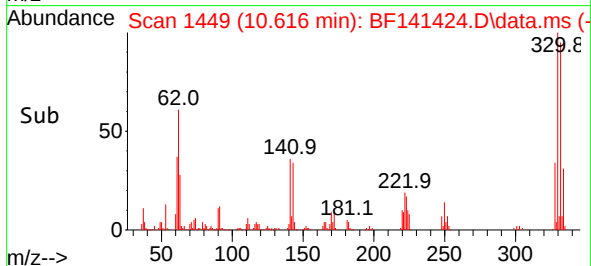
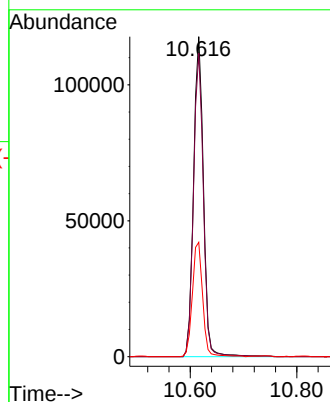
Tgt Ion:330 Resp: 152191

Ion Ratio Lower Upper

330 100

332 94.7 76.1 114.1

141 37.3 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 74.116 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.018 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

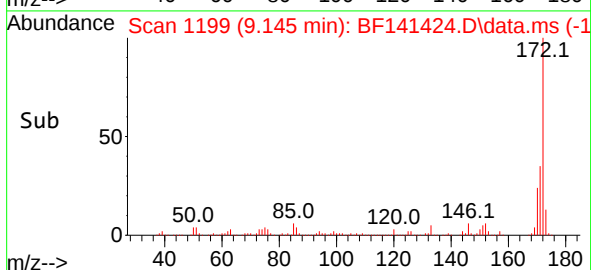
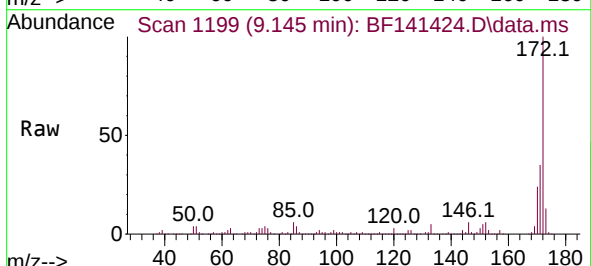
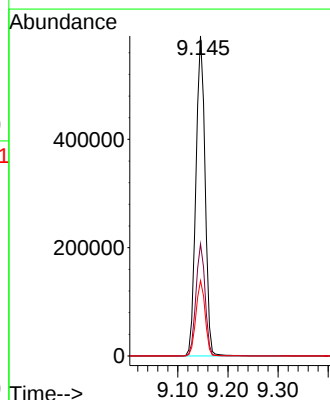
Tgt Ion:172 Resp: 749004

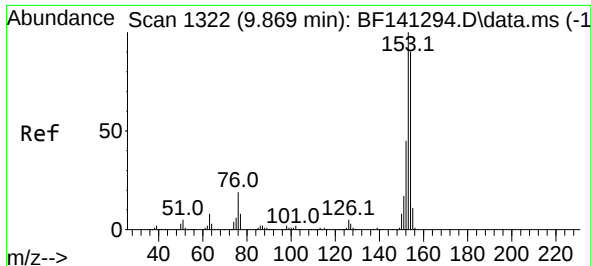
Ion Ratio Lower Upper

172 100

171 35.0 28.8 43.2

170 23.5 19.0 28.6

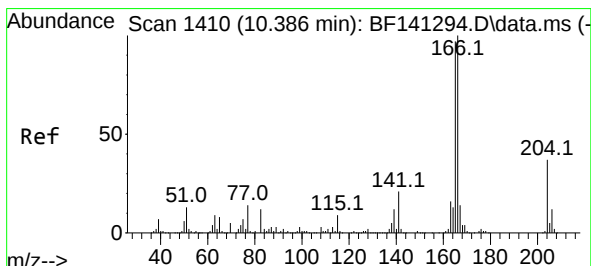
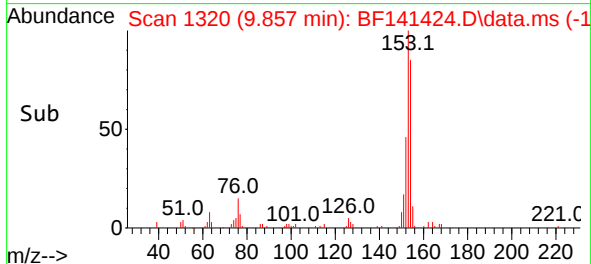
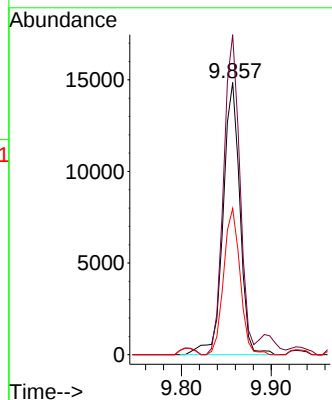
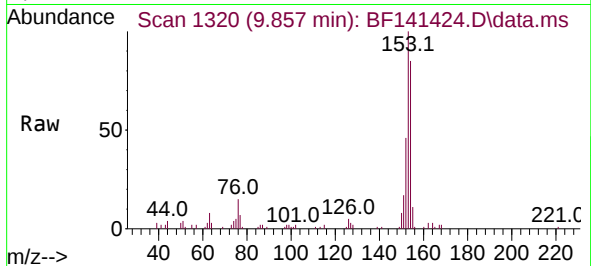




#52
Acenaphthene
Concen: 2.044 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

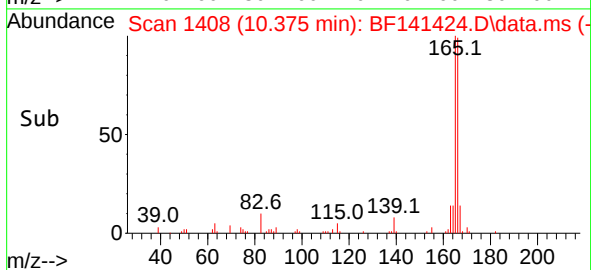
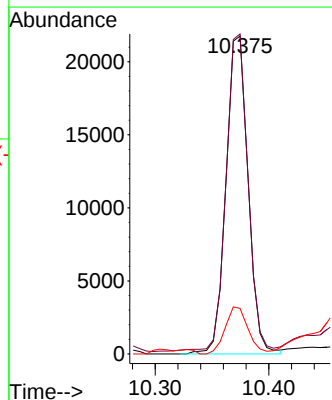
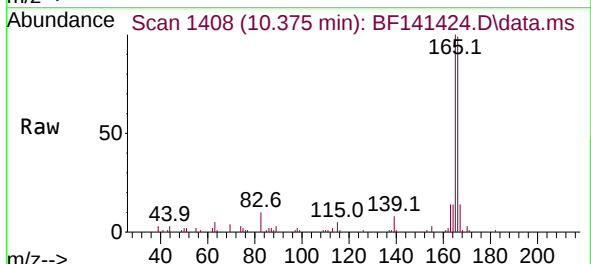
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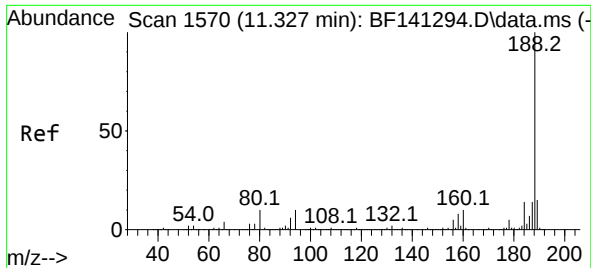
Tgt Ion:154 Resp: 19323
Ion Ratio Lower Upper
154 100
153 117.6 89.0 133.4
152 53.7 40.2 60.4



#58
Fluorene
Concen: 2.993 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:166 Resp: 29386
Ion Ratio Lower Upper
166 100
165 100.7 77.5 116.3
167 14.4 10.9 16.3

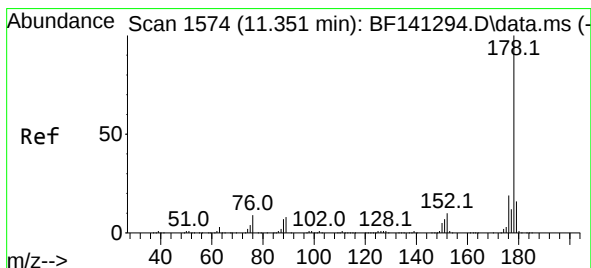
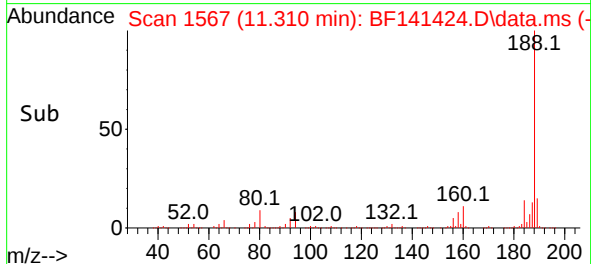
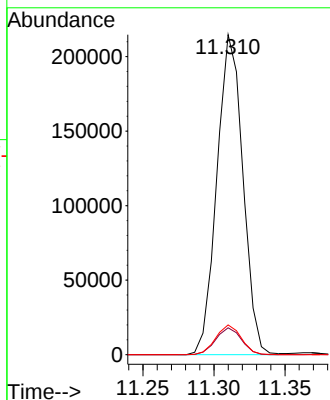
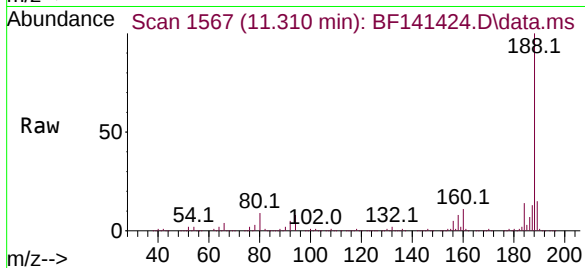




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

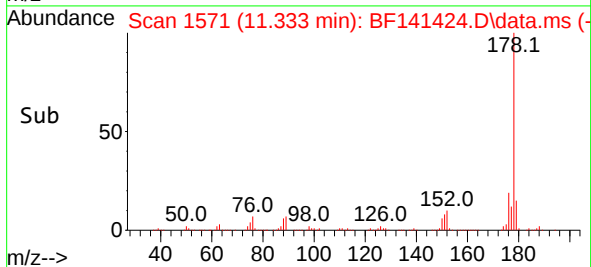
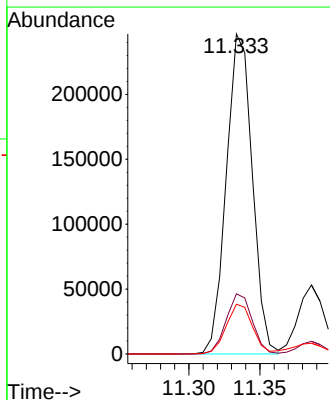
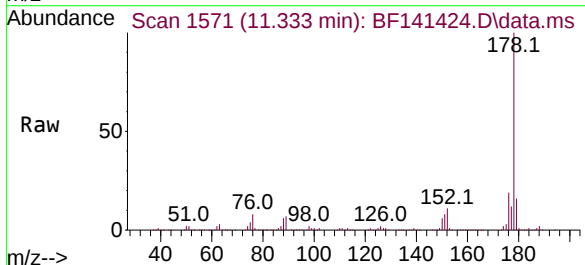
Instrument :
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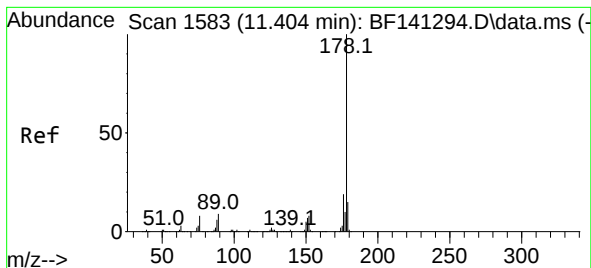
Tgt Ion:188 Resp: 272951
Ion Ratio Lower Upper
188 100
94 8.4 7.8 11.6
80 9.3 8.2 12.4



#71
Phenanthrene
Concen: 21.407 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:178 Resp: 314087
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.5 12.5 18.7





#72

Anthracene

Concen: 4.676 ng

RT: 11.386 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

Instrument :

BNA_F

ClientSampleId :

B-113-SB01

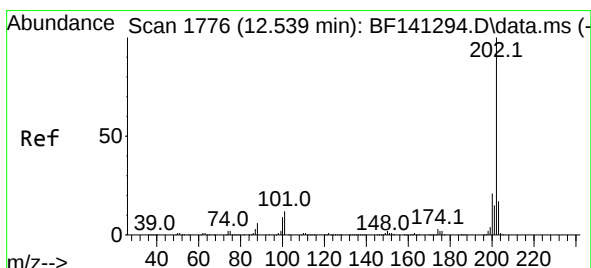
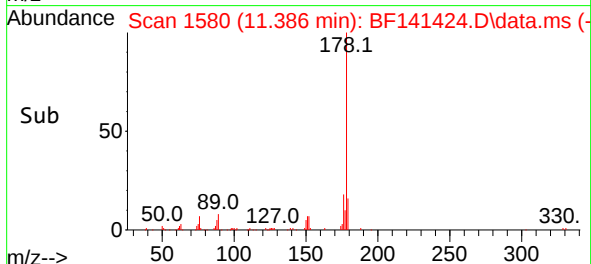
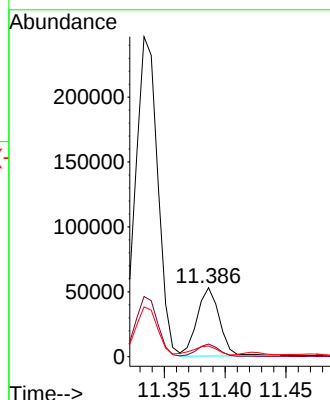
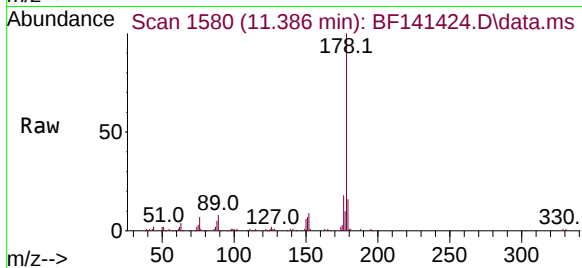
Tgt Ion:178 Resp: 67226

Ion Ratio Lower Upper

178 100

176 18.2 15.0 22.6

179 15.6 12.3 18.5



#75

Fluoranthene

Concen: 15.758 ng

RT: 12.522 min Scan# 1773

Delta R.T. -0.018 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

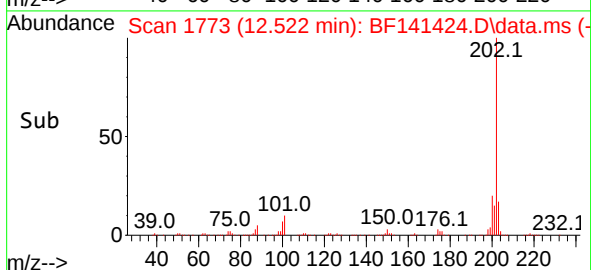
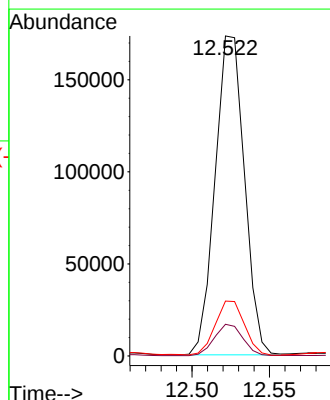
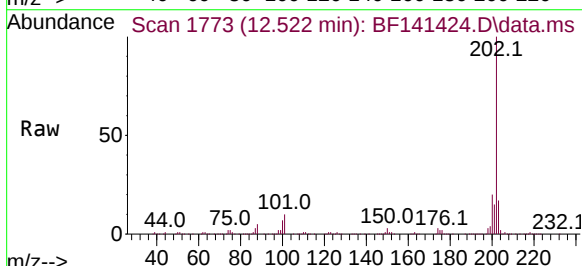
Tgt Ion:202 Resp: 228292

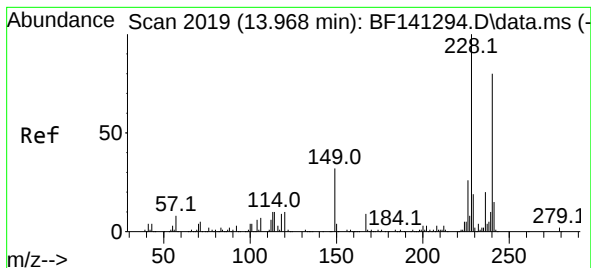
Ion Ratio Lower Upper

202 100

101 9.9 0.0 31.7

203 17.1 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 20

Delta R.T. -0.024 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

Instrument :

BNA_F

ClientSampleId :

B-113-SB01

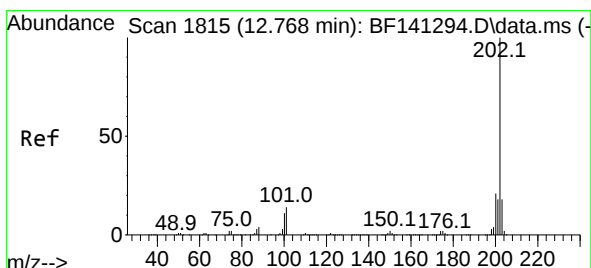
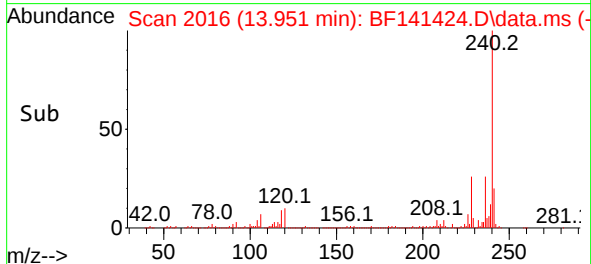
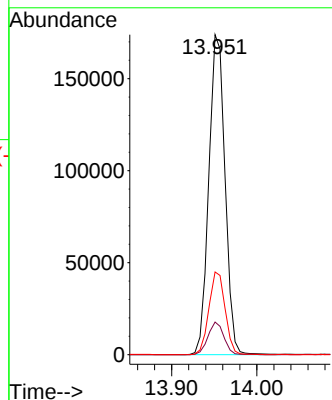
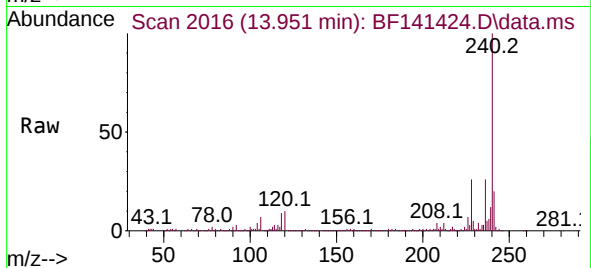
Tgt Ion:240 Resp: 230042

Ion Ratio Lower Upper

240 100

120 10.2 10.0 15.0

236 25.8 19.7 29.5



#78

Pyrene

Concen: 11.103 ng

RT: 12.751 min Scan# 1812

Delta R.T. -0.018 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

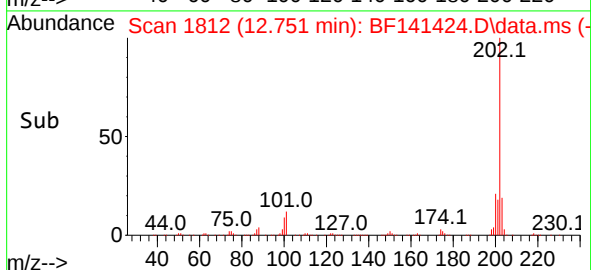
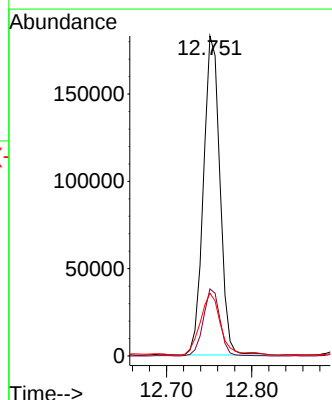
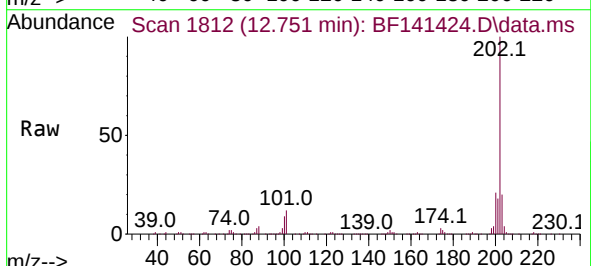
Tgt Ion:202 Resp: 245180

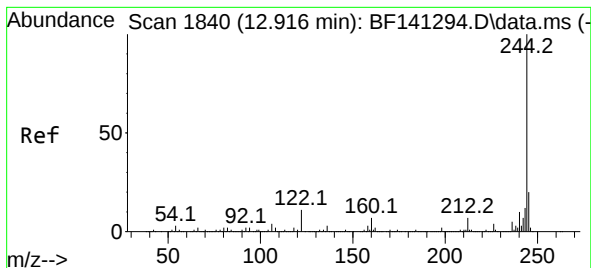
Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.4

203 19.6 14.3 21.5





#79

Terphenyl-d14

Concen: 60.021 ng

RT: 12.904 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

Instrument :

BNA_F

ClientSampleId :

B-113-SB01

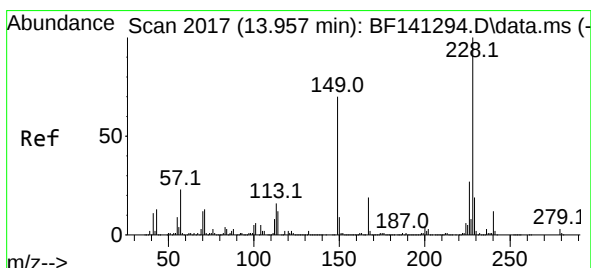
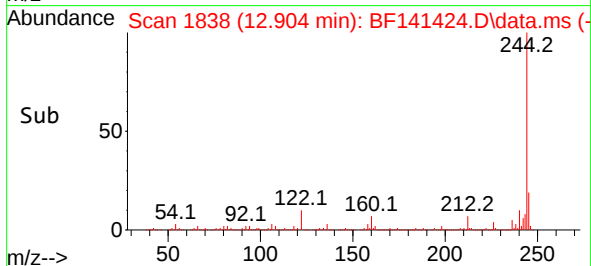
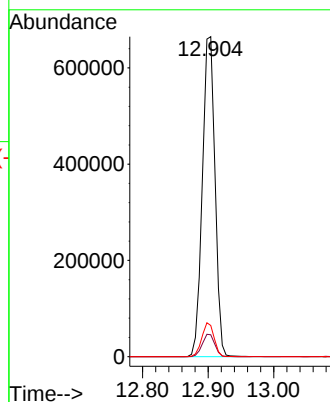
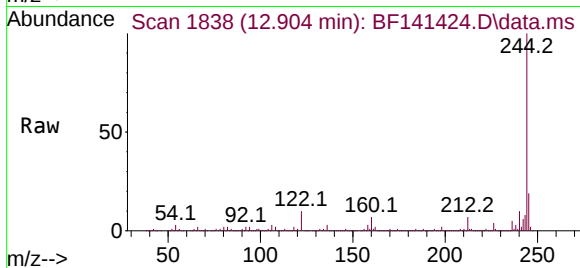
Tgt Ion:244 Resp: 895307

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 9.8 8.8 13.2



#81

Benzo(a)anthracene

Concen: 6.075 ng

RT: 13.945 min Scan# 2015

Delta R.T. -0.018 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

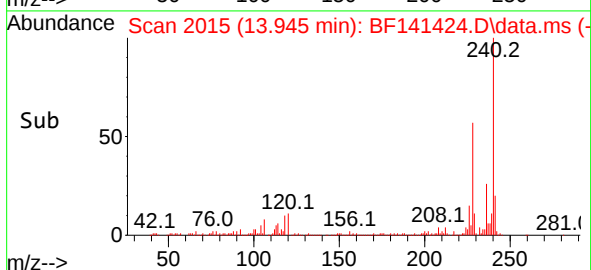
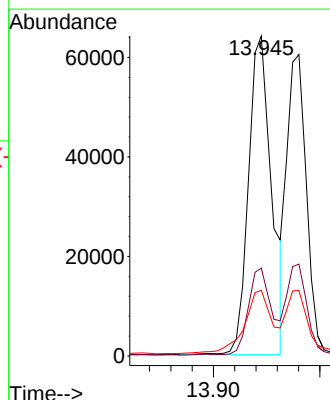
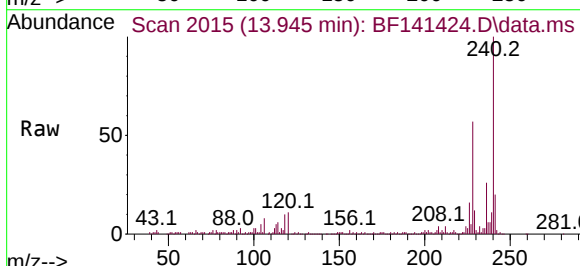
Tgt Ion:228 Resp: 96432

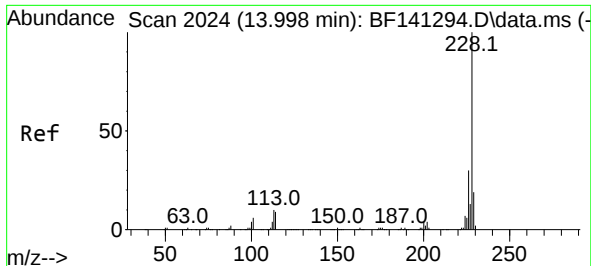
Ion Ratio Lower Upper

228 100

226 27.4 21.4 32.2

229 20.5 15.5 23.3

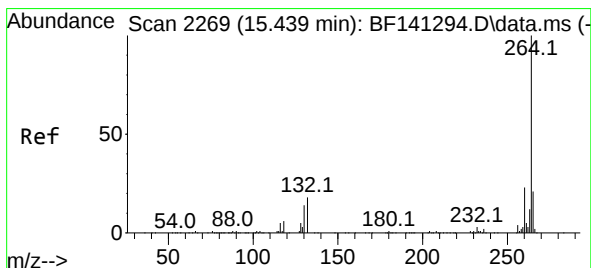
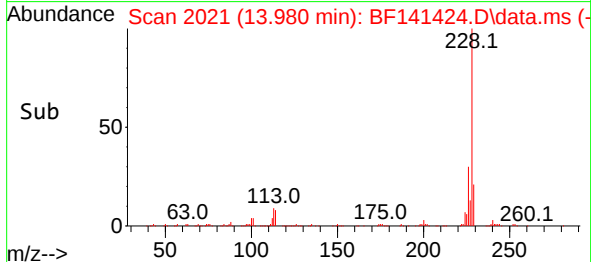
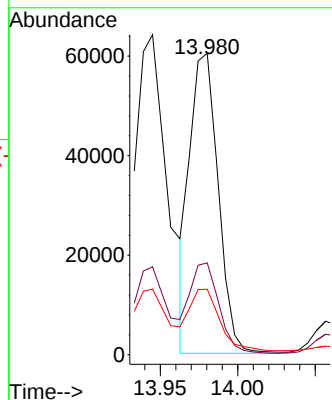
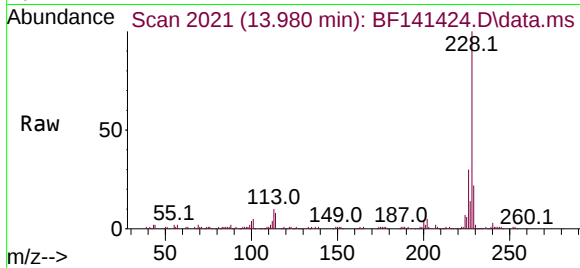




#83
Chrysene
Concen: 5.289 ng
RT: 13.980 min Scan# 2024
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

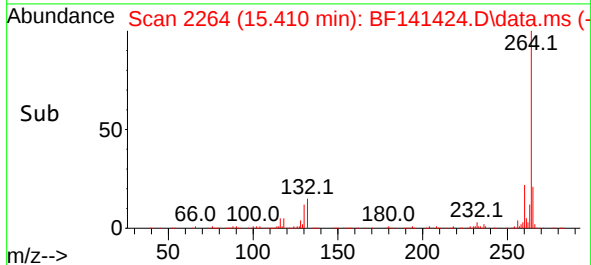
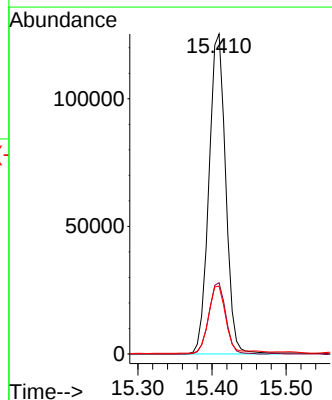
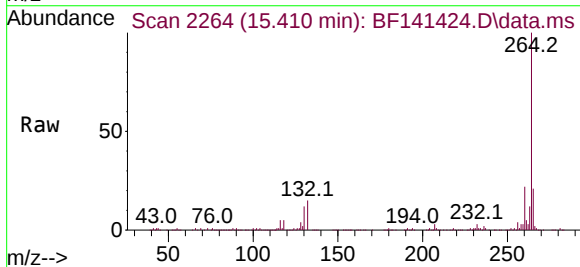
Instrument :
BNA_F
ClientSampleId :
B-113-SB01

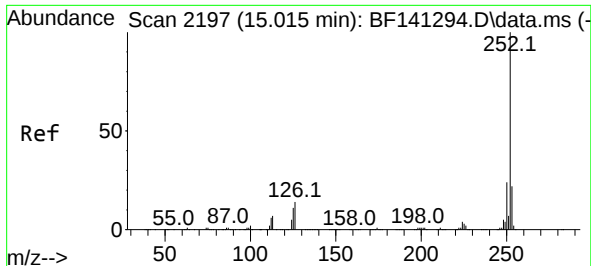
Tgt Ion:228 Resp: 76948
Ion Ratio Lower Upper
228 100
226 30.5 24.1 36.1
229 21.7 15.6 23.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2264
Delta R.T. -0.029 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:264 Resp: 197101
Ion Ratio Lower Upper
264 100
260 22.2 18.6 27.8
265 21.2 16.7 25.1





#88

Benzo(b)fluoranthene

Concen: 4.641 ng m

RT: 14.992 min Scan# 2197

Delta R.T. -0.029 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

Instrument :

BNA_F

ClientSampleId :

B-113-SB01

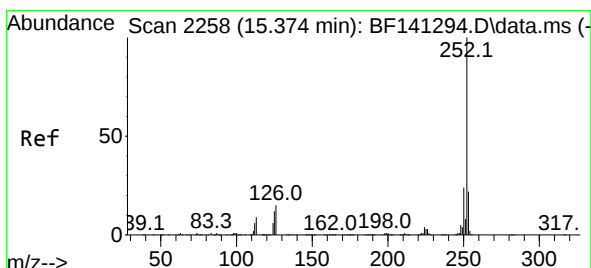
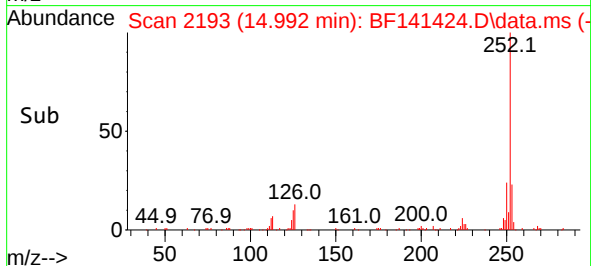
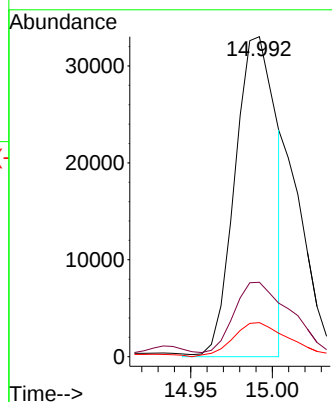
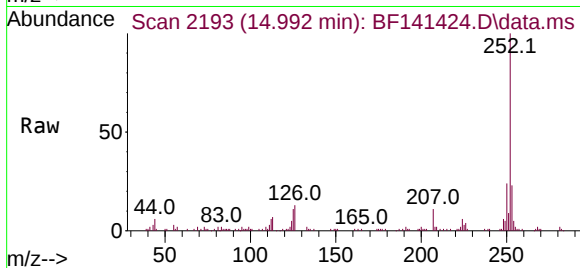
Tgt Ion:252 Resp: 57537

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.2

125 10.6 8.6 12.8



#90

Benzo(a)pyrene

Concen: 4.480 ng

RT: 15.345 min Scan# 2253

Delta R.T. -0.035 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

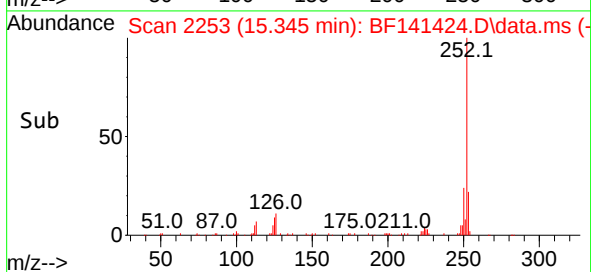
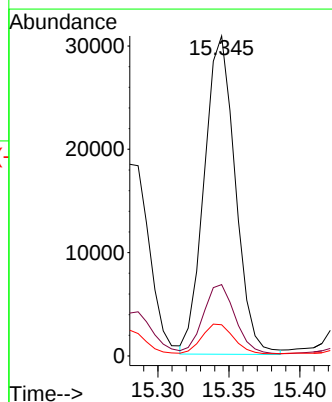
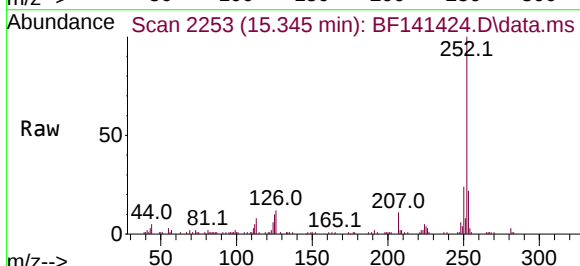
Tgt Ion:252 Resp: 46939

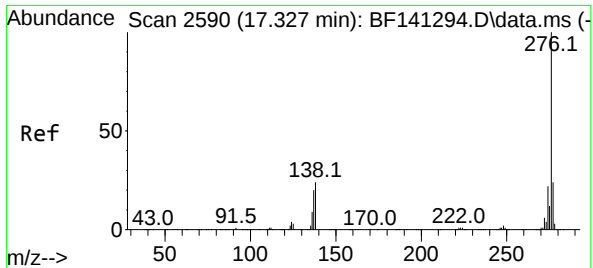
Ion Ratio Lower Upper

252 100

253 22.3 17.2 25.8

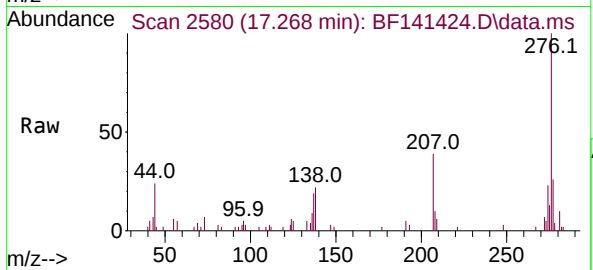
125 9.8 9.4 14.2





#92
 Benzo(g,h,i)perylene
 Concen: 2.150 ng
 RT: 17.268 min Scan# 21
 Delta R.T. -0.077 min
 Lab File: BF141424.D
 Acq: 04 Feb 2025 22:11

Instrument :
 BNA_F
 ClientSampleId :
 B-113-SB01



Tgt Ion:	276	Resp:	22883
Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.2	28.8
138	22.2	19.0	28.4

