

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141469.D
 Acq On : 06 Feb 2025 00:59
 Operator : RC/JU
 Sample : Q1288-04 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-04-020425

Quant Time: Feb 06 01:52:52 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)

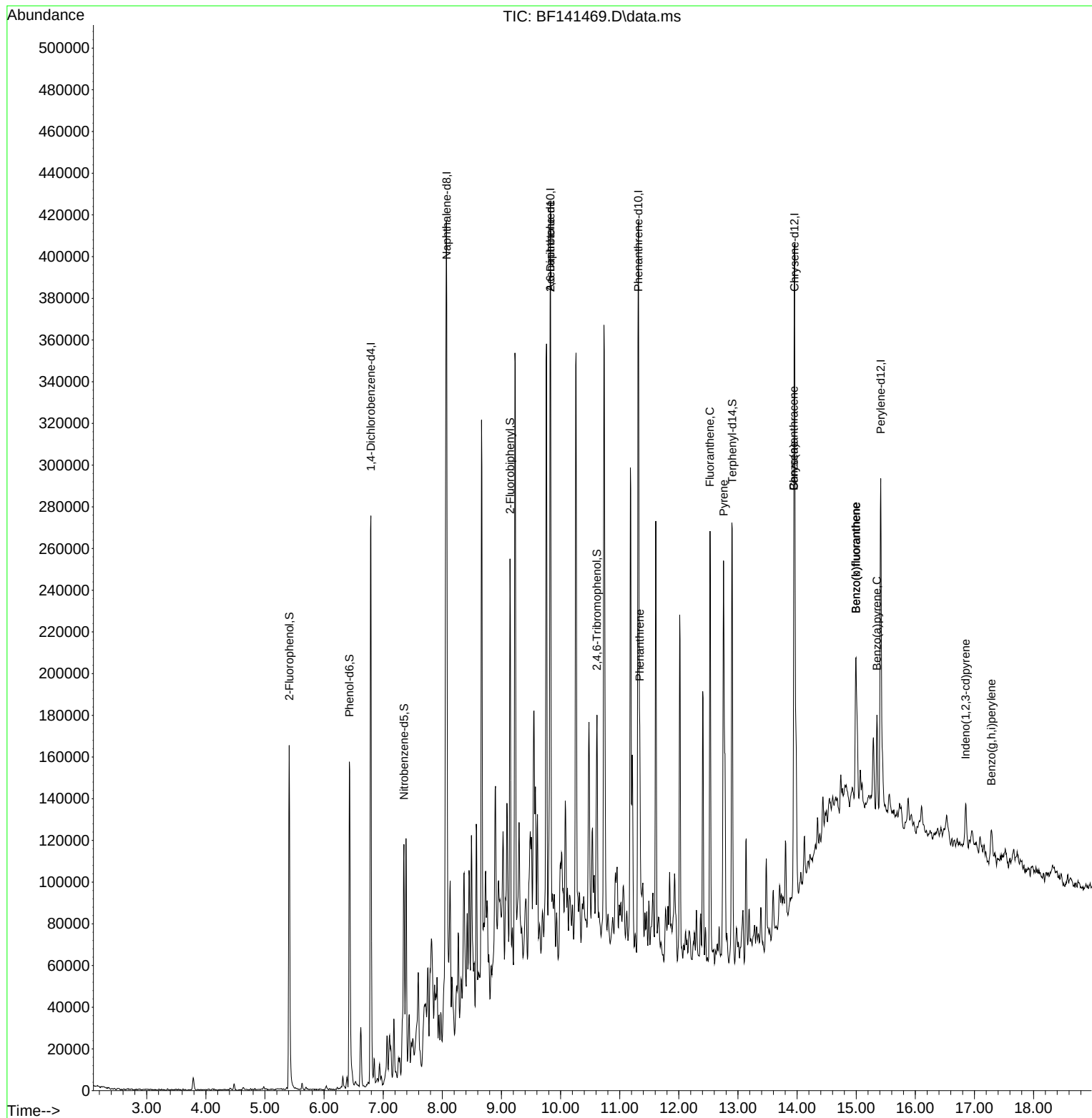
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	56181	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	201329	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	98295	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	170165	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	121887	20.000	ng	#-0.02
86) Perylene-d12	15.415	264	92496	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	65206	17.818	ng	0.00
7) Phenol-d6	6.428	99	75350	16.186	ng	-0.01
23) Nitrobenzene-d5	7.351	82	47371	12.404	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	16290	18.077	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	83483	13.073	ng	-0.02
79) Terphenyl-d14	12.904	244	99078	12.536	ng	-0.01
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	9.828	165	14400	9.342	ng	# 25
71) Phenanthrene	11.339	178	53151	5.811	ng	99
75) Fluoranthene	12.527	202	115796	12.821	ng	96
78) Pyrene	12.757	202	109497	9.359	ng	99
81) Benzo(a)anthracene	13.945	228	47238	5.616	ng	95
83) Chrysene	13.945	228	47238	6.128	ng	97
87) Indeno(1,2,3-cd)pyrene	16.851	276	15350	2.571	ng	# 93
88) Benzo(b)fluoranthene	14.998	252	55772	9.586	ng	95
89) Benzo(k)fluoranthene	14.998	252	55772	10.821	ng	# 95
90) Benzo(a)pyrene	15.351	252	28856	5.869	ng	93
92) Benzo(g,h,i)perylene	17.286	276	15177	3.039	ng	96

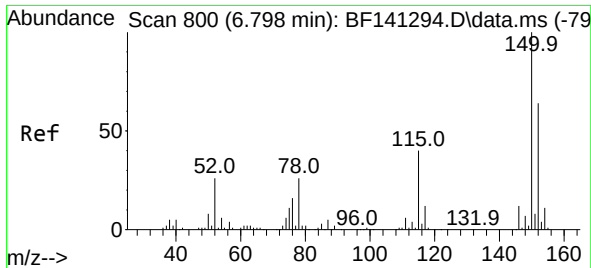
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
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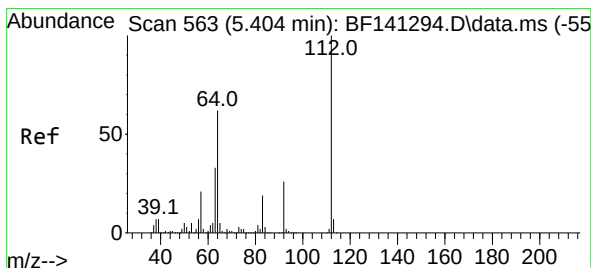
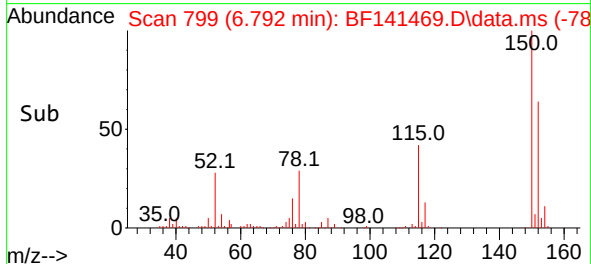
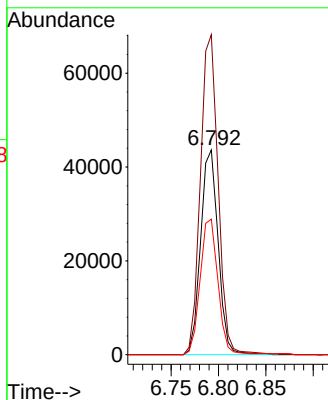
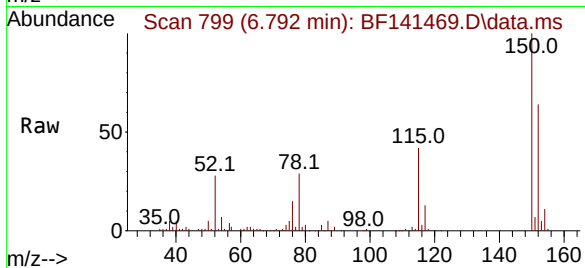




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 79
 Delta R.T. -0.012 min
 Lab File: BF141469.D
 Acq: 06 Feb 2025 00:59

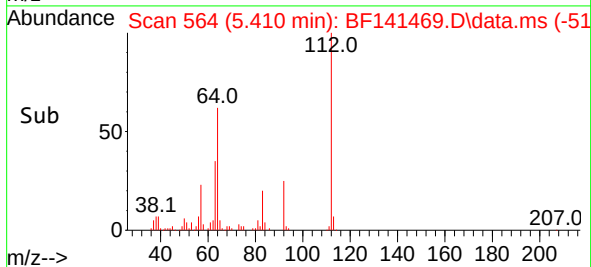
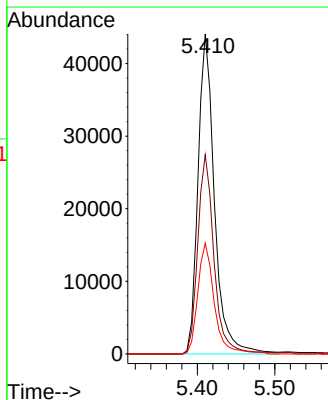
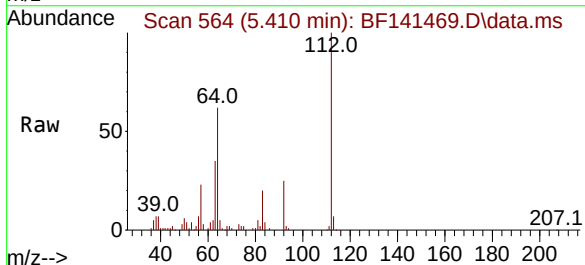
Instrument :
 BNA_F
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 HR-04-020425

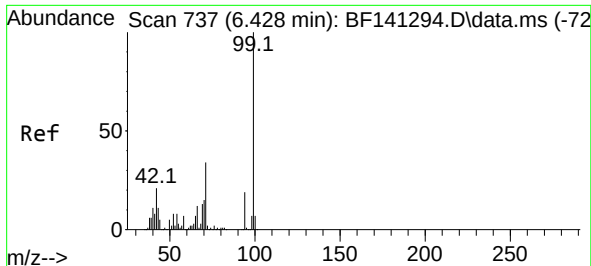
Tgt Ion:152 Resp: 56181
 Ion Ratio Lower Upper
 152 100
 150 156.3 125.9 188.9
 115 66.2 49.7 74.5



#5
 2-Fluorophenol
 Concen: 17.818 ng
 RT: 5.410 min Scan# 564
 Delta R.T. -0.000 min
 Lab File: BF141469.D
 Acq: 06 Feb 2025 00:59

Tgt Ion:112 Resp: 65206
 Ion Ratio Lower Upper
 112 100
 64 62.2 49.8 74.8
 63 34.6 26.1 39.1

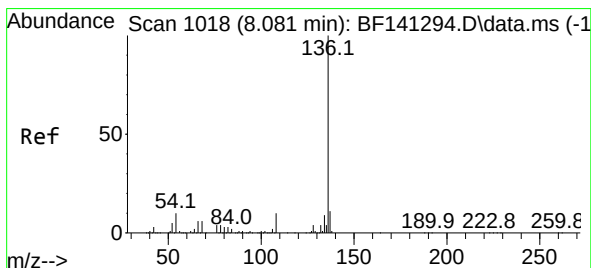
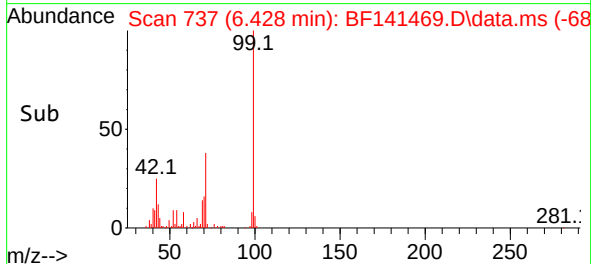
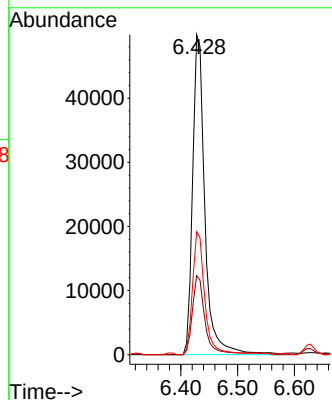
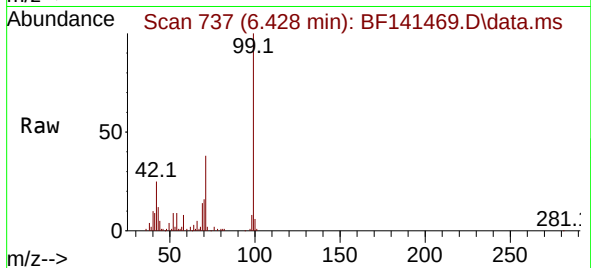




#7
Phenol-d6
Concen: 16.186 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141469.D
Acq: 06 Feb 2025 00:59

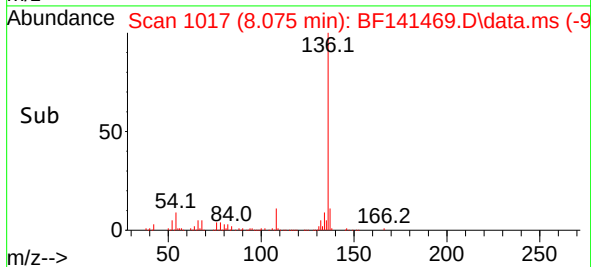
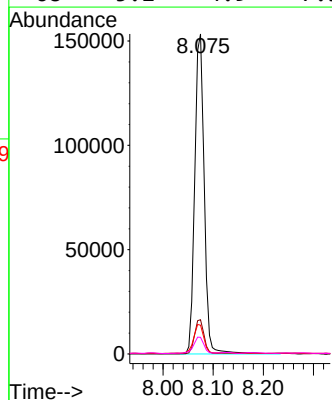
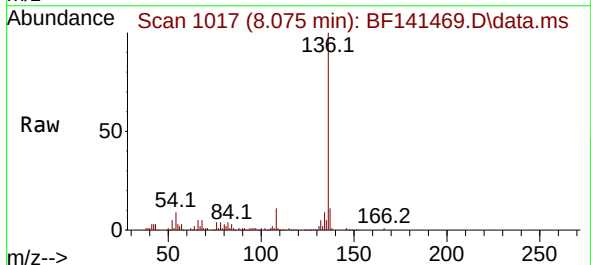
Instrument :
BNA_F
ClientSampleId :
HR-04-020425

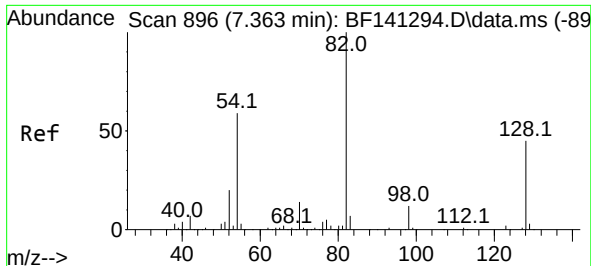
Tgt Ion: 99 Resp: 75350
Ion Ratio Lower Upper
99 100
42 24.7 17.1 25.7
71 38.4 26.9 40.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF141469.D
Acq: 06 Feb 2025 00:59

Tgt Ion: 136 Resp: 201329
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 9.0 7.8 11.8
68 5.2 4.9 7.3

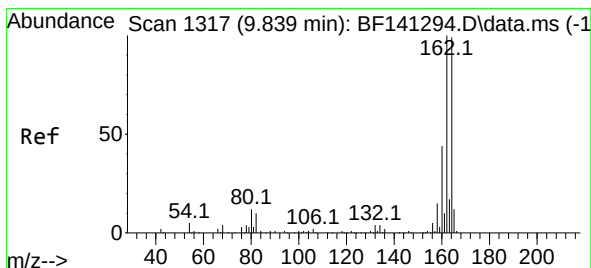
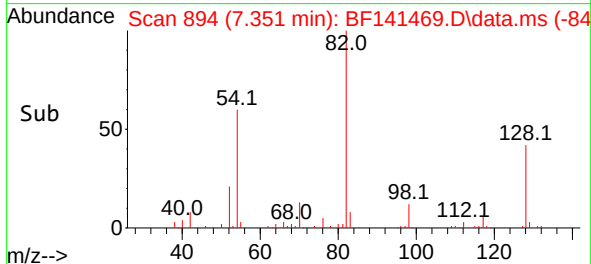
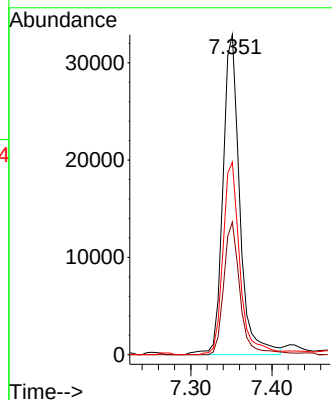
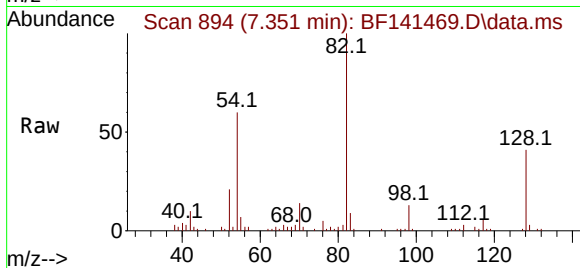




#23
Nitrobenzene-d5
Concen: 12.404 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.018 min
Lab File: BF141469.D
Acq: 06 Feb 2025 00:59

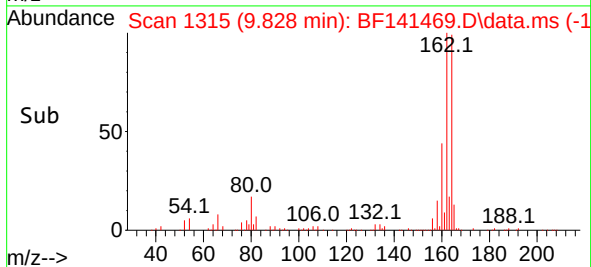
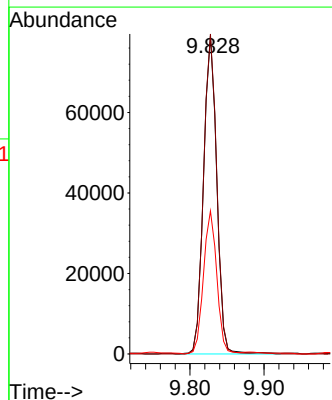
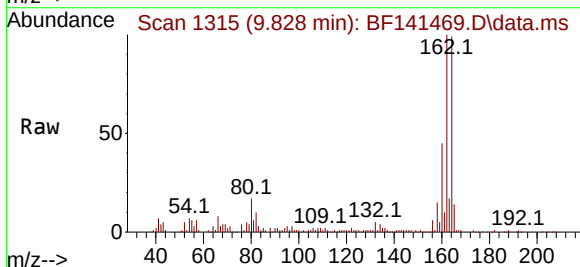
Instrument :
BNA_F
ClientSampleId :
HR-04-020425

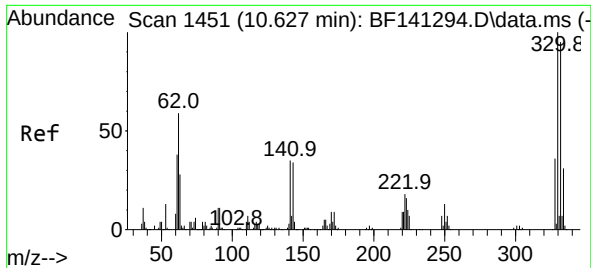
Tgt Ion: 82 Resp: 47371
Ion Ratio Lower Upper
82 100
128 41.5 35.7 53.5
54 60.1 47.1 70.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141469.D
Acq: 06 Feb 2025 00:59

Tgt Ion:164 Resp: 98295
Ion Ratio Lower Upper
164 100
162 100.5 80.6 121.0
160 45.0 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 18.077 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.018 min

Lab File: BF141469.D

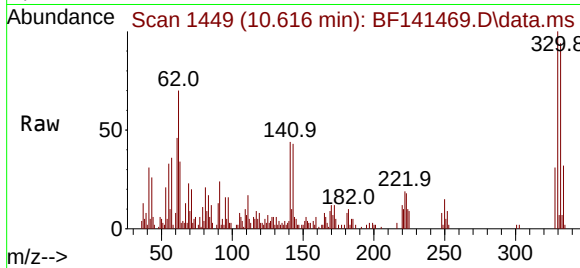
Acq: 06 Feb 2025 00:59

Instrument :

BNA_F

ClientSampleId :

HR-04-020425



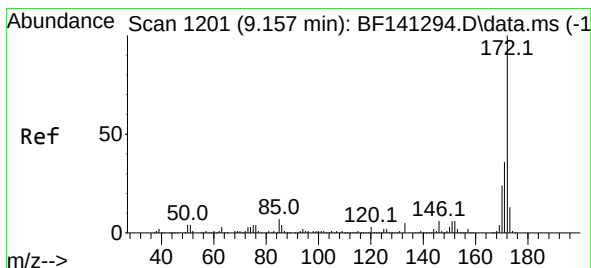
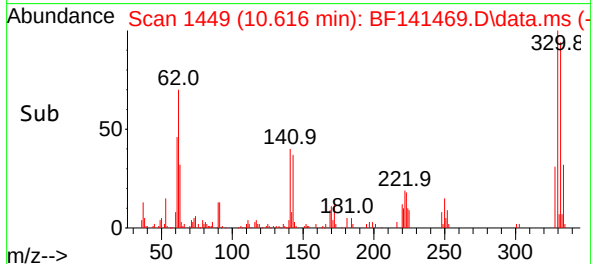
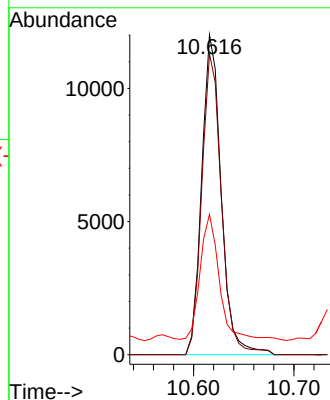
Tgt Ion:330 Resp: 16290

Ion Ratio Lower Upper

330 100

332 94.7 76.1 114.1

141 39.7 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 13.073 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.018 min

Lab File: BF141469.D

Acq: 06 Feb 2025 00:59

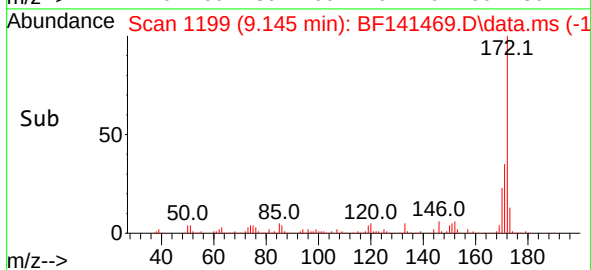
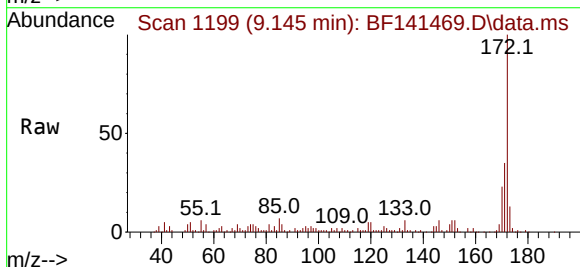
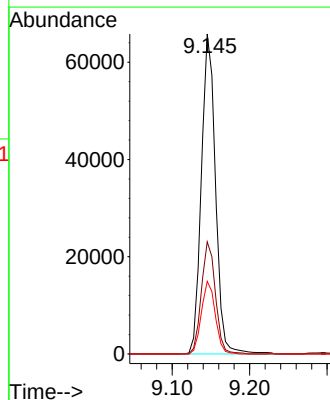
Tgt Ion:172 Resp: 83483

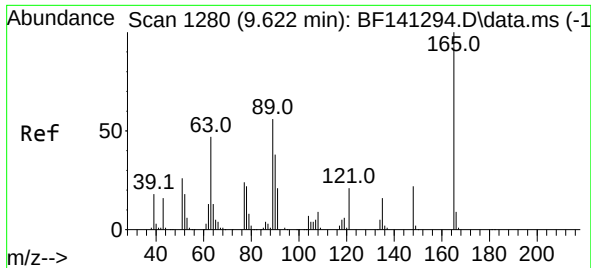
Ion Ratio Lower Upper

172 100

171 35.0 28.8 43.2

170 22.7 19.0 28.6

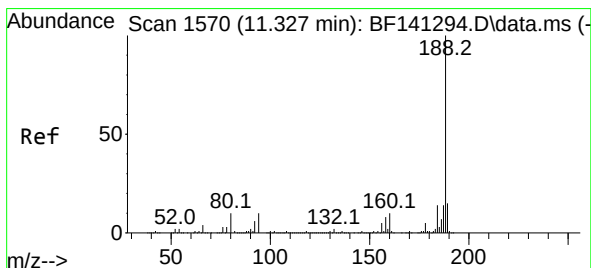
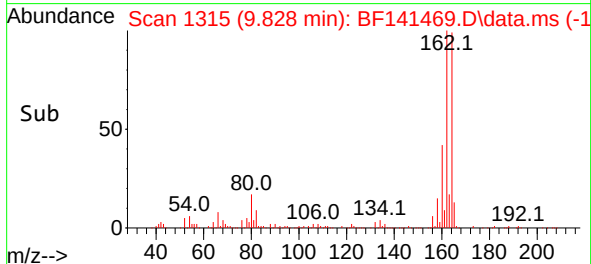
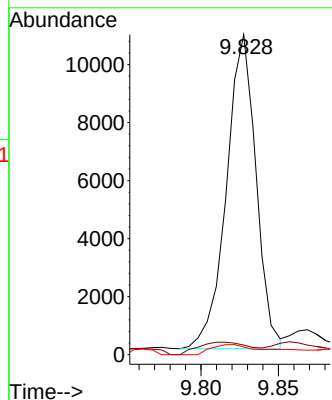
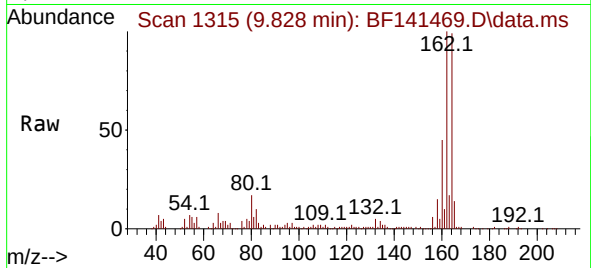




#51
2,6-Dinitrotoluene
Concen: 9.342 ng
RT: 9.828 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF141469.D
Acq: 06 Feb 2025 00:59

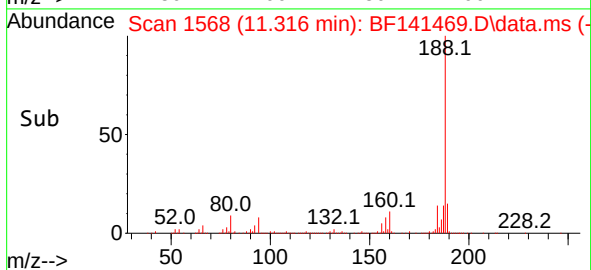
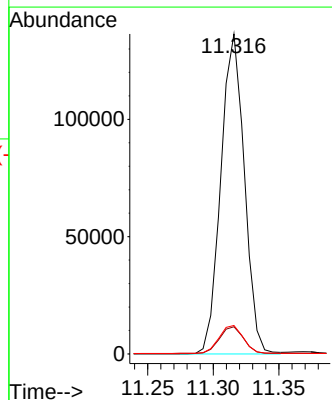
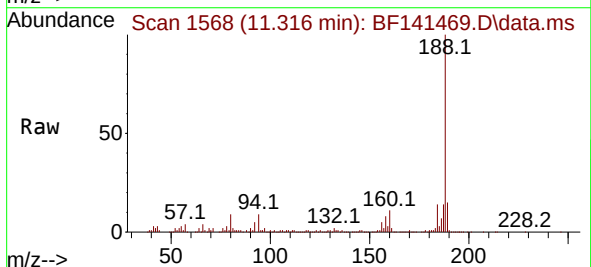
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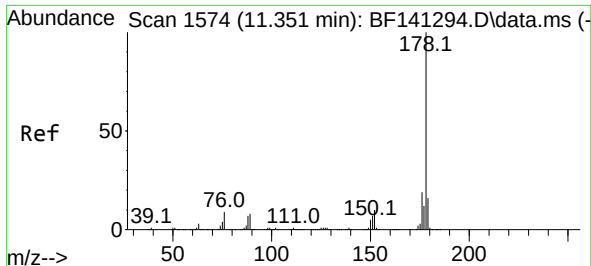
Tgt Ion:165 Resp: 14400
Ion Ratio Lower Upper
165 100
63 3.0 48.1 72.1#
89 2.4 44.9 67.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141469.D
Acq: 06 Feb 2025 00:59

Tgt Ion:188 Resp: 170165
Ion Ratio Lower Upper
188 100
94 8.5 7.8 11.6
80 8.9 8.2 12.4

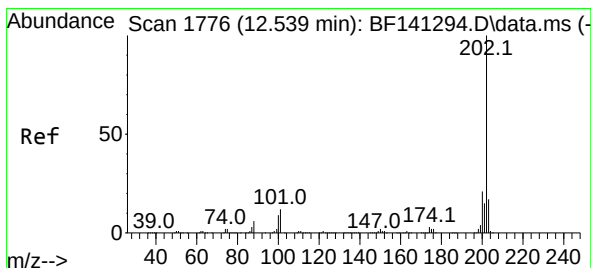
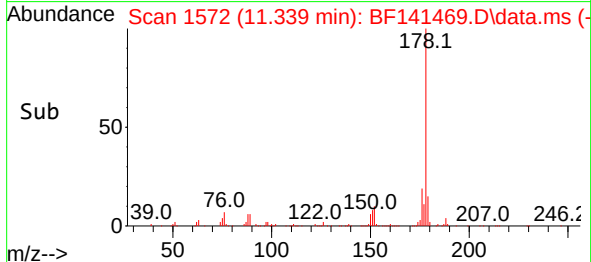
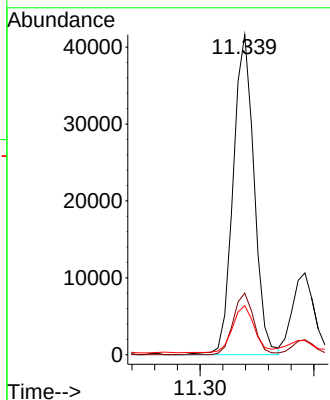
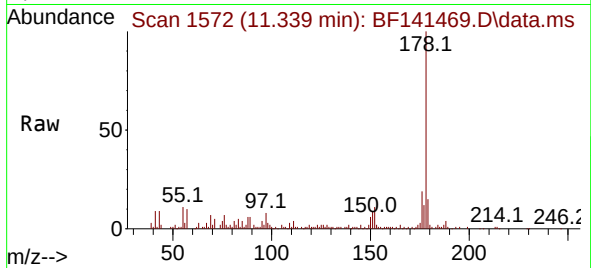




#71
Phenanthrene
Concen: 5.811 ng
RT: 11.339 min Scan# 1574
Delta R.T. -0.012 min
Lab File: BF141469.D
Acq: 06 Feb 2025 00:59

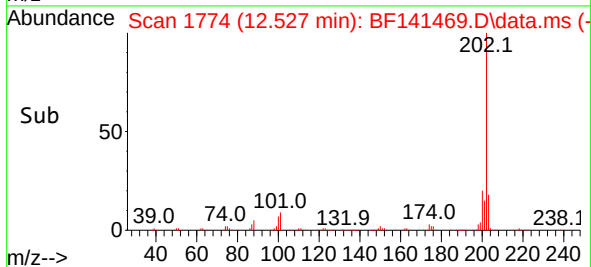
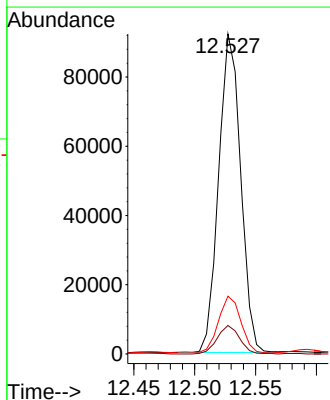
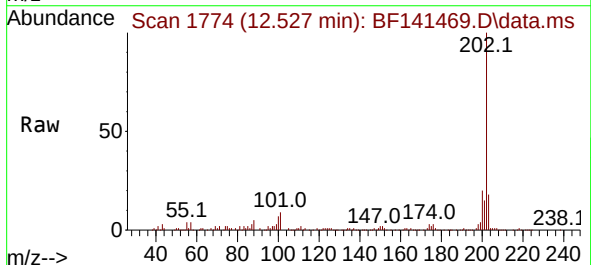
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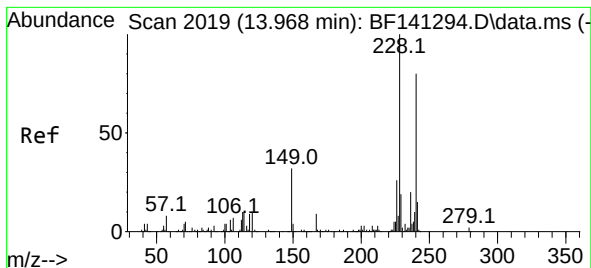
Tgt Ion:178 Resp: 53151
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.3 12.5 18.7



#75
Fluoranthene
Concen: 12.821 ng
RT: 12.527 min Scan# 1774
Delta R.T. -0.012 min
Lab File: BF141469.D
Acq: 06 Feb 2025 00:59

Tgt Ion:202 Resp: 115796
Ion Ratio Lower Upper
202 100
101 8.9 0.0 31.7
203 18.1 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF141469.D

Acq: 06 Feb 2025 00:59

Instrument :

BNA_F

ClientSampleId :

HR-04-020425

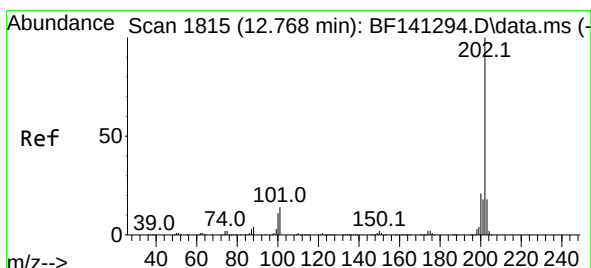
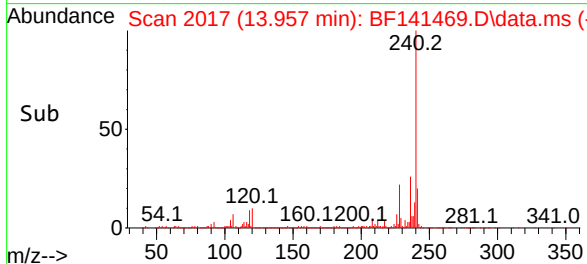
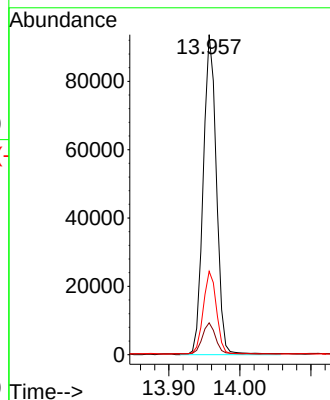
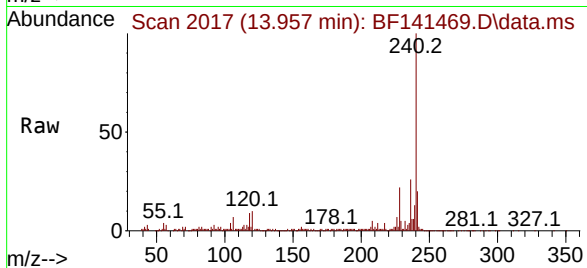
Tgt Ion:240 Resp: 121887

Ion Ratio Lower Upper

240 100

120 10.0 10.0 15.0#

236 26.1 19.7 29.5



#78

Pyrene

Concen: 9.359 ng

RT: 12.757 min Scan# 1813

Delta R.T. -0.012 min

Lab File: BF141469.D

Acq: 06 Feb 2025 00:59

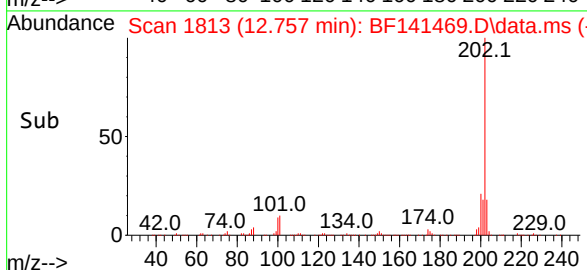
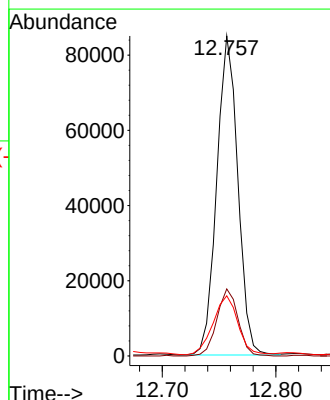
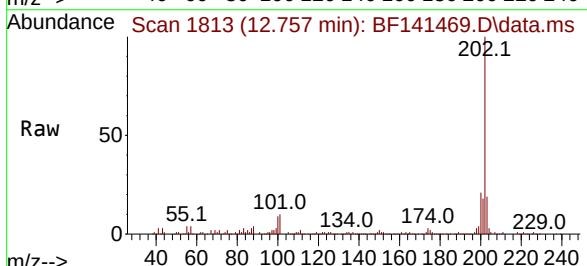
Tgt Ion:202 Resp: 109497

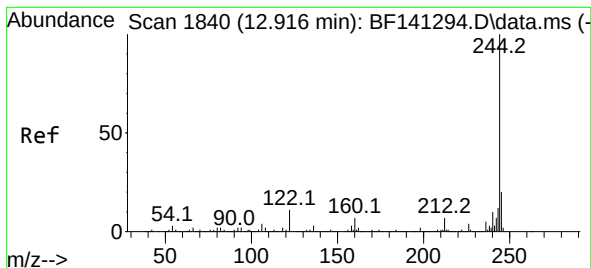
Ion Ratio Lower Upper

202 100

200 20.9 17.0 25.4

203 18.8 14.3 21.5





#79

Terphenyl-d14

Concen: 12.536 ng

RT: 12.904 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141469.D

Acq: 06 Feb 2025 00:59

Instrument :

BNA_F

ClientSampleId :

HR-04-020425

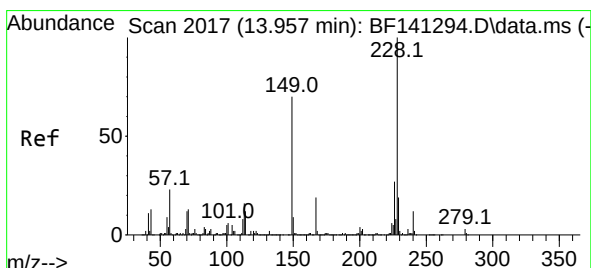
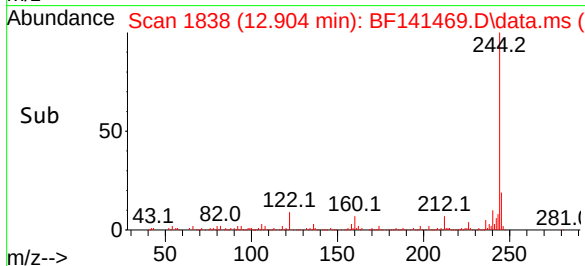
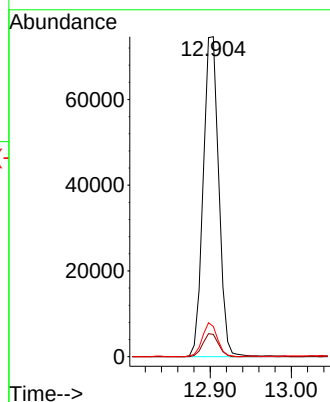
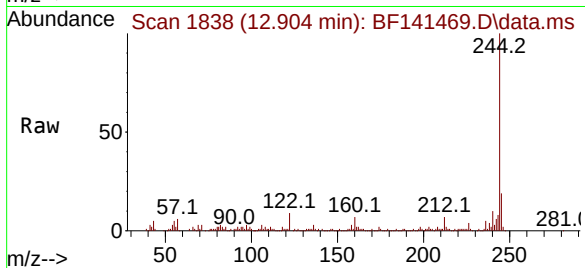
Tgt Ion:244 Resp: 99078

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

122 9.4 8.8 13.2



#81

Benzo(a)anthracene

Concen: 5.616 ng

RT: 13.945 min Scan# 2015

Delta R.T. -0.018 min

Lab File: BF141469.D

Acq: 06 Feb 2025 00:59

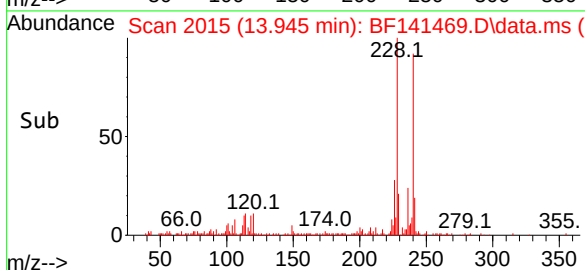
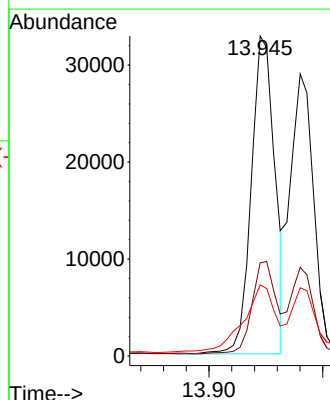
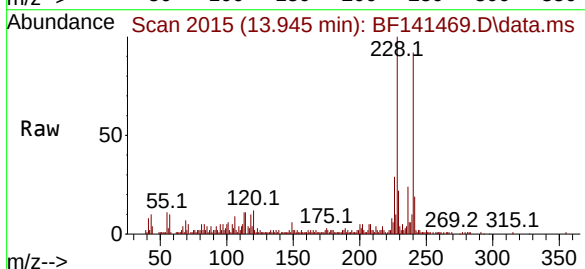
Tgt Ion:228 Resp: 47238

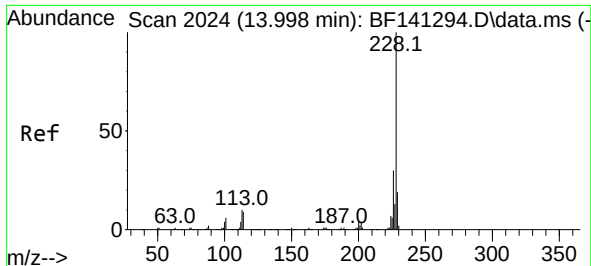
Ion Ratio Lower Upper

228 100

226 29.1 21.4 32.2

229 22.2 15.5 23.3

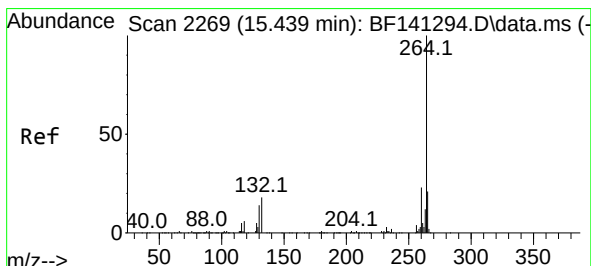
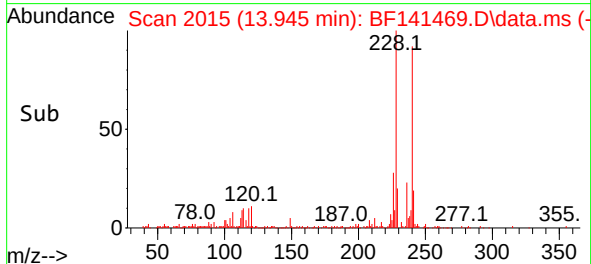
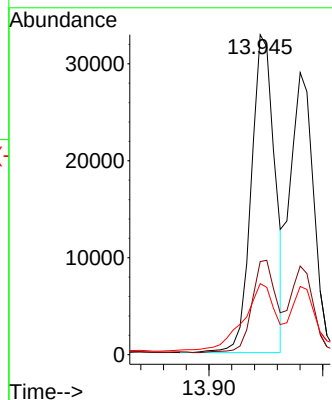
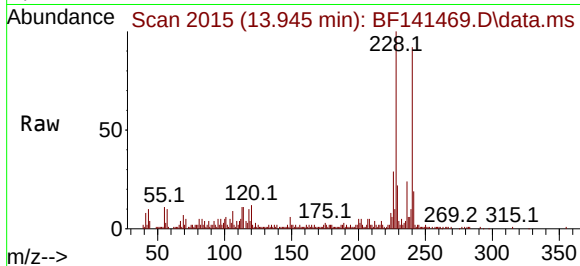




#83
Chrysene
Concen: 6.128 ng
RT: 13.945 min Scan# 20
Delta R.T. -0.053 min
Lab File: BF141469.D
Acq: 06 Feb 2025 00:59

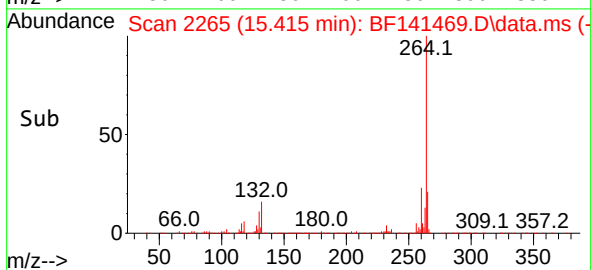
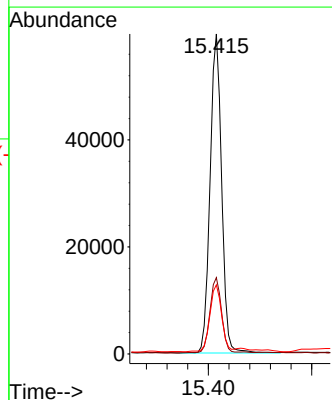
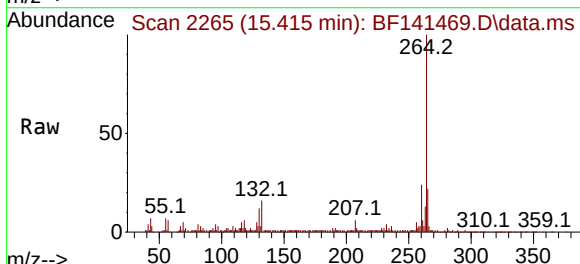
Instrument :
BNA_F
ClientSampleId :
HR-04-020425

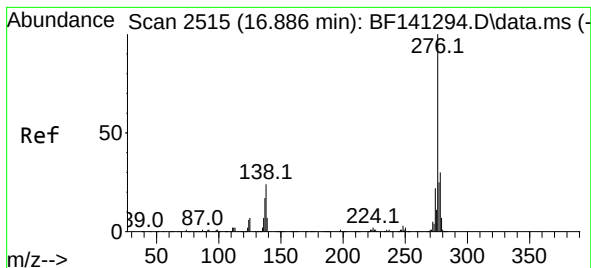
Tgt Ion:228 Resp: 47238
Ion Ratio Lower Upper
228 100
226 29.1 24.1 36.1
229 22.2 15.6 23.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2265
Delta R.T. -0.024 min
Lab File: BF141469.D
Acq: 06 Feb 2025 00:59

Tgt Ion:264 Resp: 92496
Ion Ratio Lower Upper
264 100
260 23.8 18.6 27.8
265 21.6 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.571 ng

RT: 16.851 min Scan# 2194

Delta R.T. -0.047 min

Lab File: BF141469.D

Acq: 06 Feb 2025 00:59

Instrument :

BNA_F

ClientSampleId :

HR-04-020425

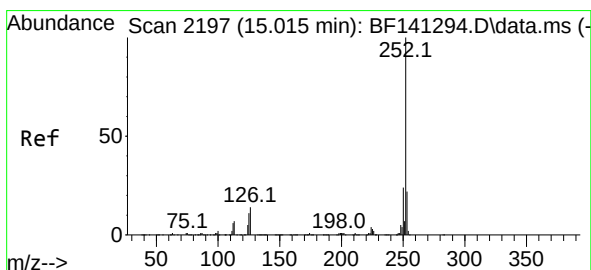
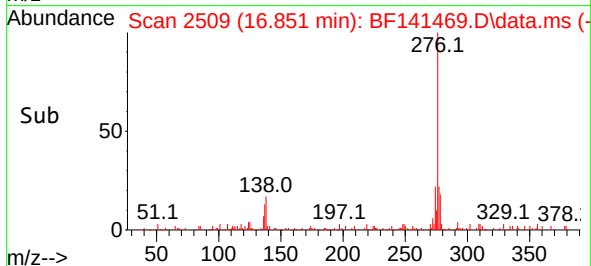
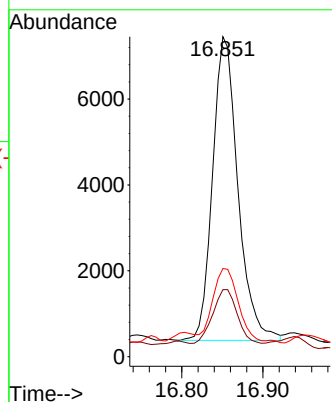
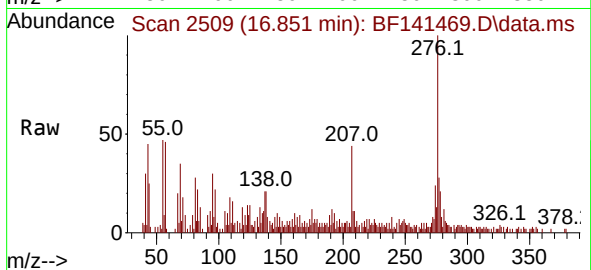
Tgt Ion:276 Resp: 15350

Ion Ratio Lower Upper

276 100

138 20.6 21.7 32.5#

277 25.8 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 9.586 ng

RT: 14.998 min Scan# 2194

Delta R.T. -0.024 min

Lab File: BF141469.D

Acq: 06 Feb 2025 00:59

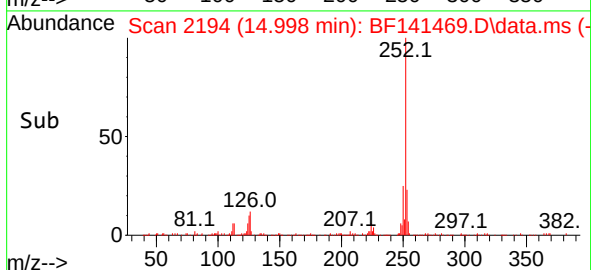
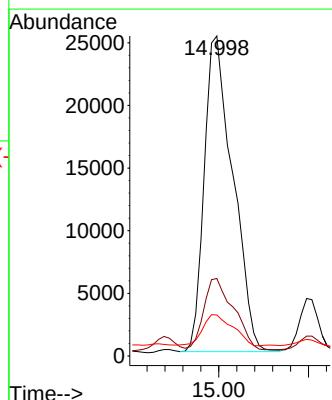
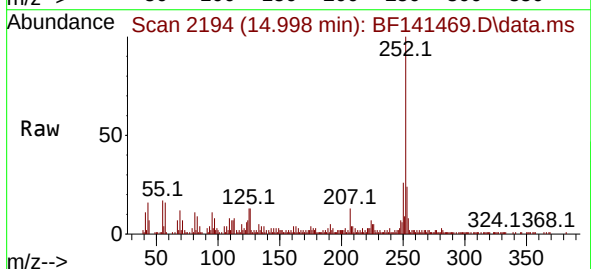
Tgt Ion:252 Resp: 55772

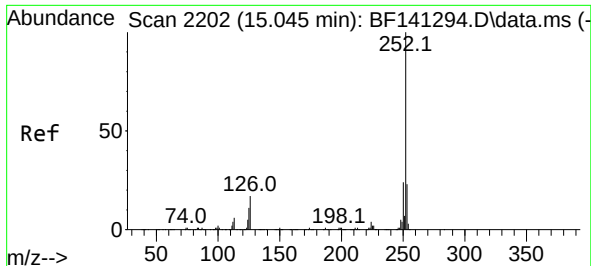
Ion Ratio Lower Upper

252 100

253 24.2 17.4 26.2

125 12.8 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 10.821 ng

RT: 14.998 min Scan# 2194

Delta R.T. -0.053 min

Lab File: BF141469.D

Acq: 06 Feb 2025 00:59

Instrument :

BNA_F

ClientSampleId :

HR-04-020425

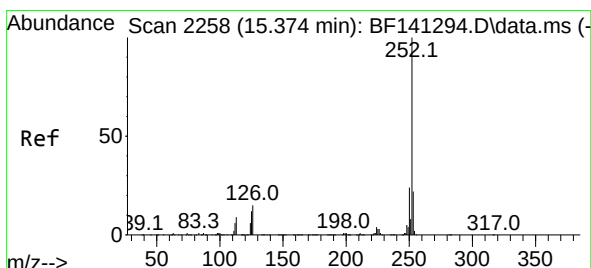
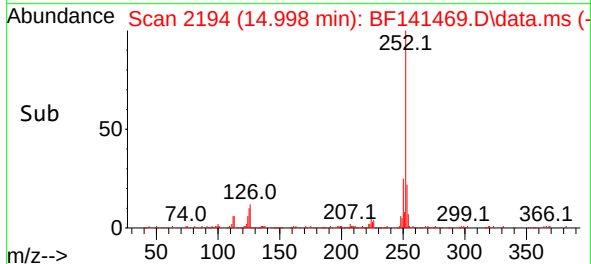
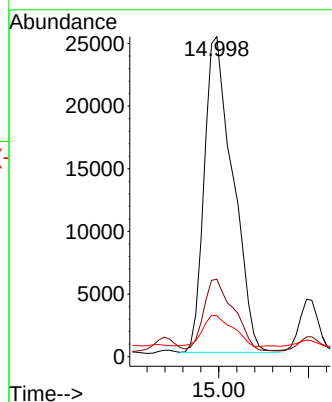
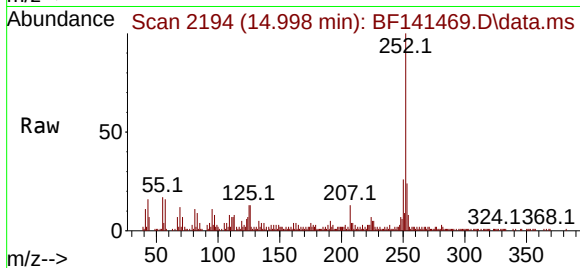
Tgt Ion:252 Resp: 55772

Ion Ratio Lower Upper

252 100

253 24.2 17.6 26.4

125 12.8 8.4 12.6#



#90

Benzo(a)pyrene

Concen: 5.869 ng

RT: 15.351 min Scan# 2254

Delta R.T. -0.030 min

Lab File: BF141469.D

Acq: 06 Feb 2025 00:59

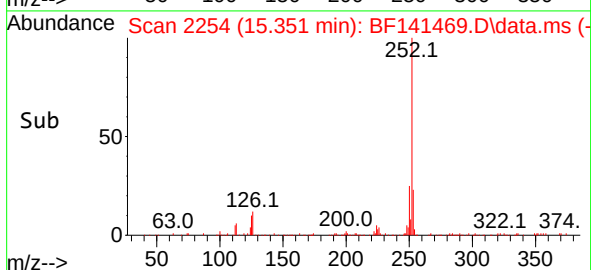
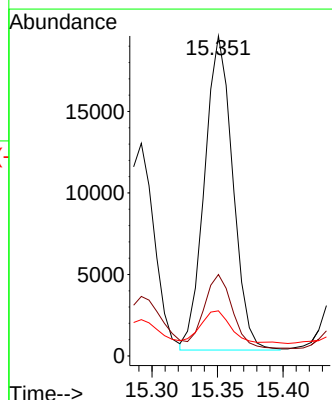
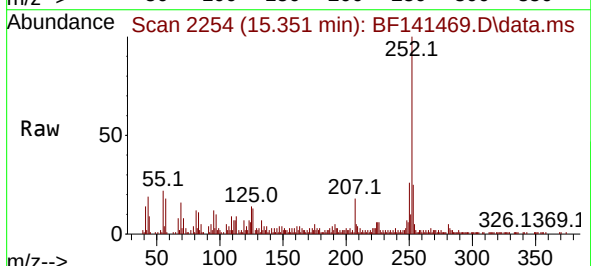
Tgt Ion:252 Resp: 28856

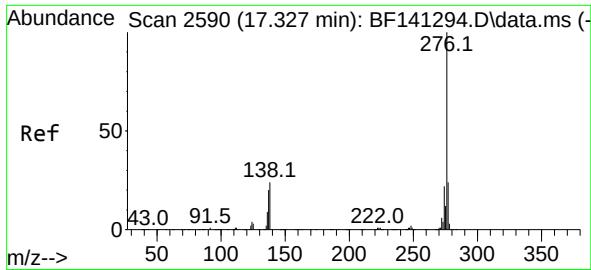
Ion Ratio Lower Upper

252 100

253 25.5 17.2 25.8

125 14.1 9.4 14.2





#92

Benzo(g,h,i)perylene

Concen: 3.039 ng

RT: 17.286 min Scan# 2583

Delta R.T. -0.059 min

Lab File: BF141469.D

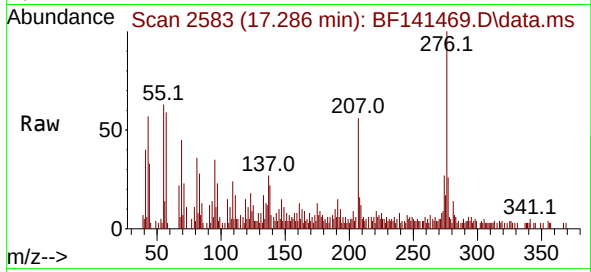
Acq: 06 Feb 2025 00:59

Instrument :

BNA_F

ClientSampleId :

HR-04-020425



Tgt Ion:276 Resp: 15177

Ion Ratio Lower Upper

276 100

277 26.4 19.2 28.8

138 22.5 19.0 28.4

