

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022125\
 Data File : BF141731.D
 Acq On : 21 Feb 2025 20:42
 Operator : RC/JU
 Sample : Q1400-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-02202025

Quant Time: Feb 21 21:52:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

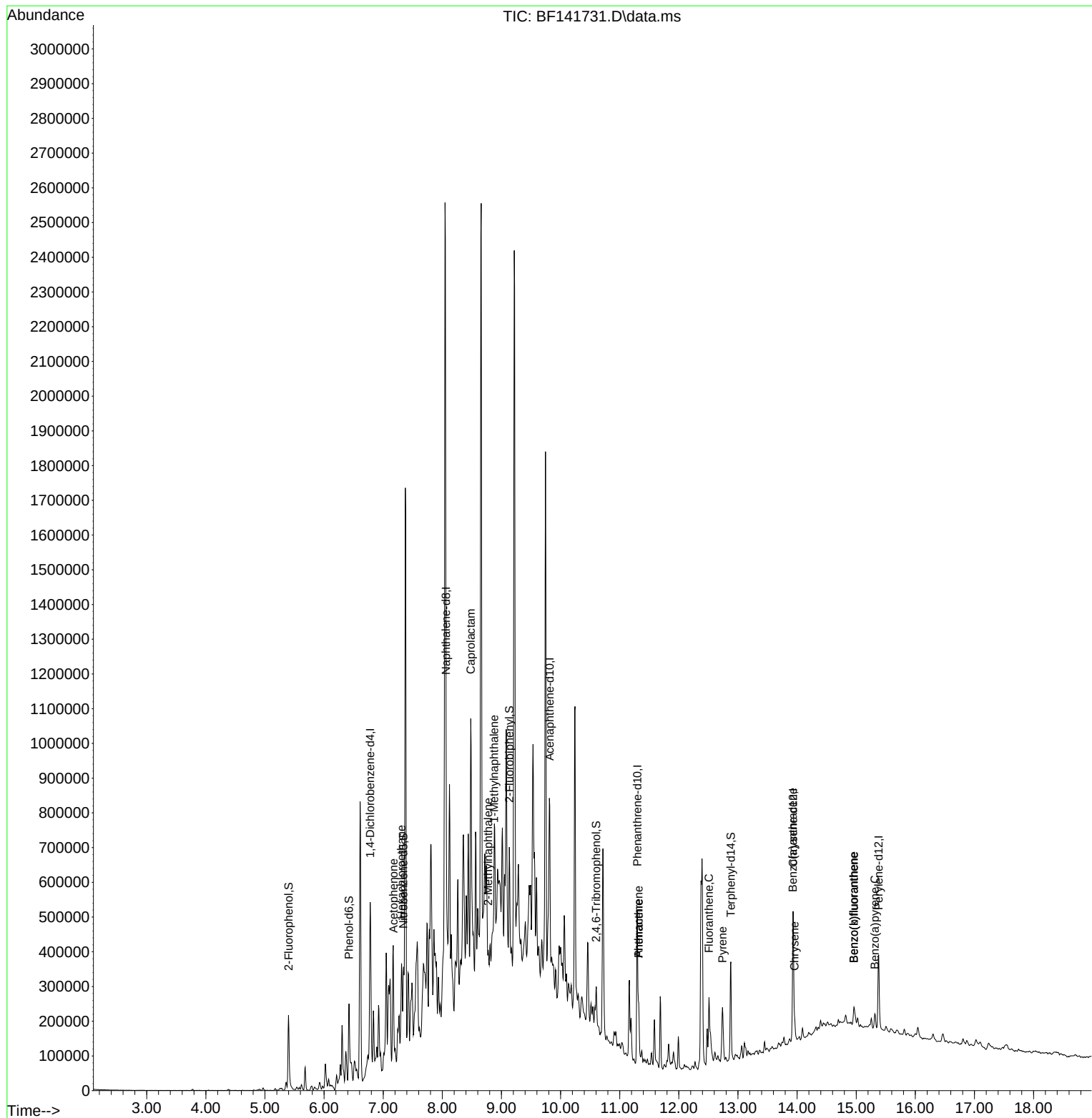
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	77359	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	292736	20.000	ng	#-0.01
39) Acenaphthene-d10	9.816	164	146535	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	219409	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	159176	20.000	ng	-0.03
86) Perylene-d12	15.380	264	124965	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	99070	20.077	ng	-0.01
7) Phenol-d6	6.422	99	122978	19.718	ng	-0.02
23) Nitrobenzene-d5	7.339	82	78651	14.014	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	24224	16.456	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	150368	15.809	ng	-0.02
79) Terphenyl-d14	12.880	244	142920	15.158	ng	-0.02
Target Compounds						
						Qvalue
18) Hexachloroethane	7.310	117	13657	6.416	ng	# 1
22) Acetophenone	7.175	105	48797	6.701	ng	# 43
35) Caprolactam	8.480	113	22362	17.089	ng	# 1
37) 2-Methylnaphthalene	8.775	142	24188	2.439	ng	95
38) 1-Methylnaphthalene	8.875	142	19380	2.018	ng	88
71) Phenanthrene	11.321	178	87477	7.243	ng	100
72) Anthracene	11.321	178	87477	7.205	ng	99
75) Fluoranthene	12.510	202	103194	8.059	ng	99
78) Pyrene	12.739	202	83616	6.171	ng	99
81) Benzo(a)anthracene	13.927	228	41289	3.902	ng	# 90
83) Chrysene	13.957	228	29886	3.059	ng	# 94
88) Benzo(b)fluoranthene	14.962	252	44418	5.294	ng	# 89
89) Benzo(k)fluoranthene	14.962	252	44418	6.199	ng	# 90
90) Benzo(a)pyrene	15.315	252	23895	3.519	ng	# 90

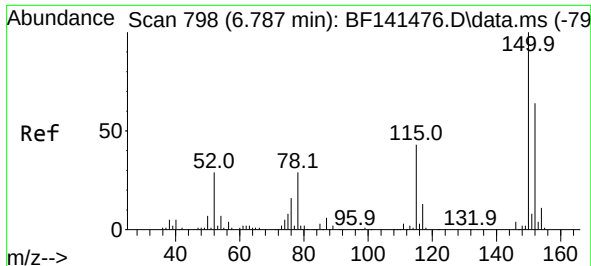
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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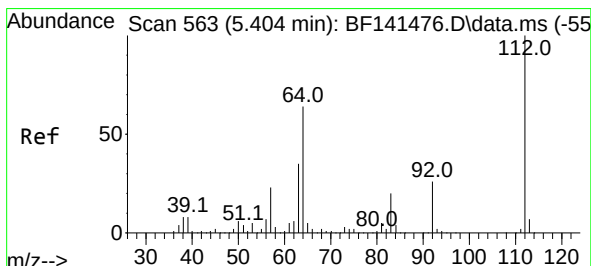
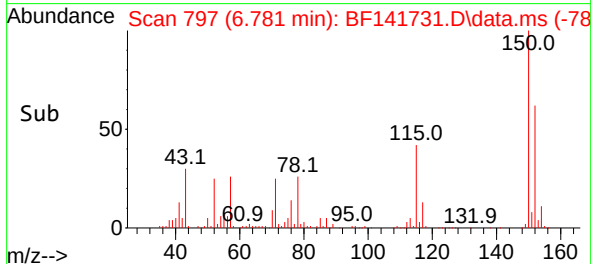
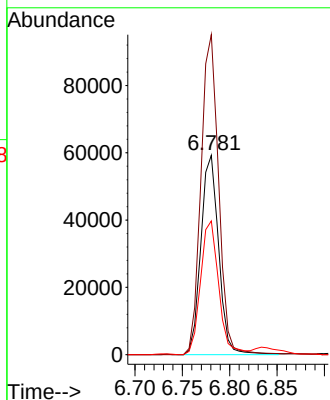
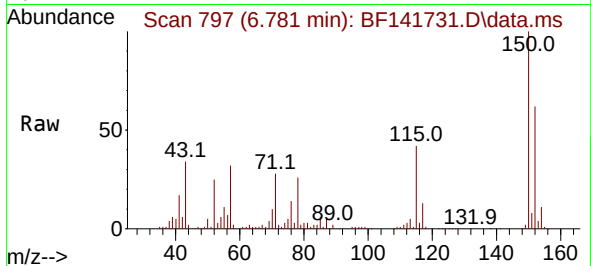




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141731.D
Acq: 21 Feb 2025 20:42

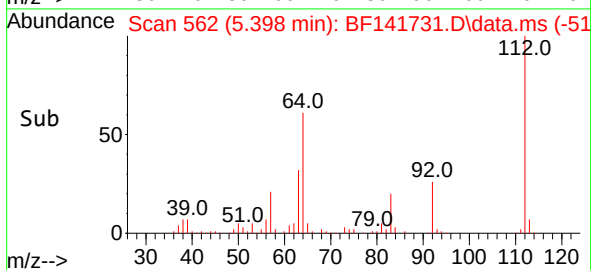
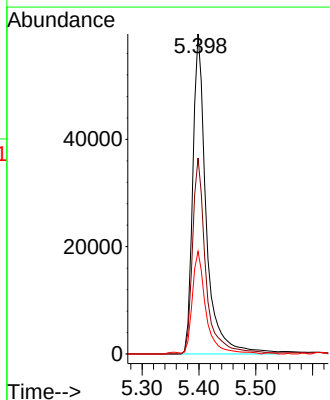
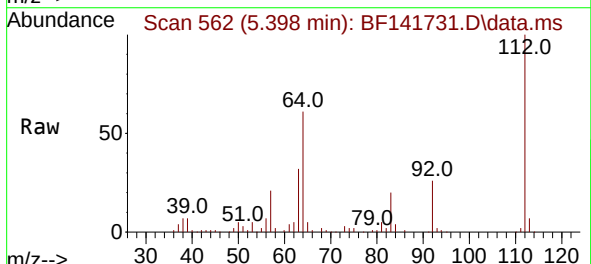
Instrument :
BNA_F
ClientSampleId :
EO-02-02202025

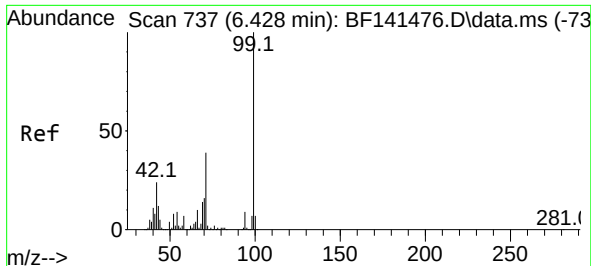
Tgt Ion:152 Resp: 77359
Ion Ratio Lower Upper
152 100
150 160.5 125.0 187.4
115 67.1 53.6 80.4



#5
2-Fluorophenol
Concen: 20.077 ng
RT: 5.398 min Scan# 562
Delta R.T. -0.012 min
Lab File: BF141731.D
Acq: 21 Feb 2025 20:42

Tgt Ion:112 Resp: 99070
Ion Ratio Lower Upper
112 100
64 61.2 51.1 76.7
63 32.0 28.4 42.6

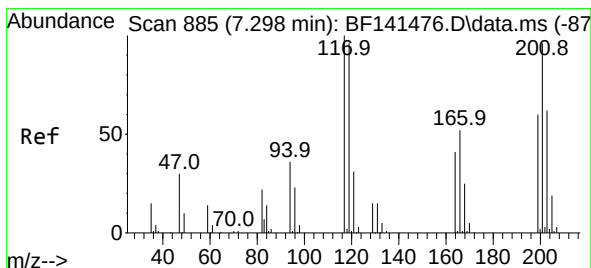
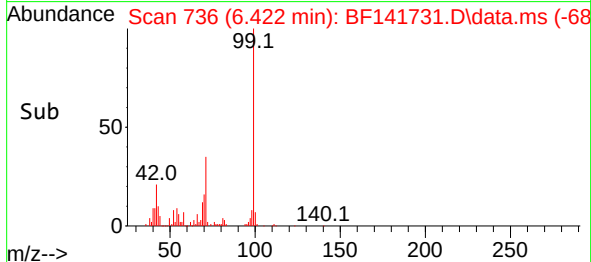
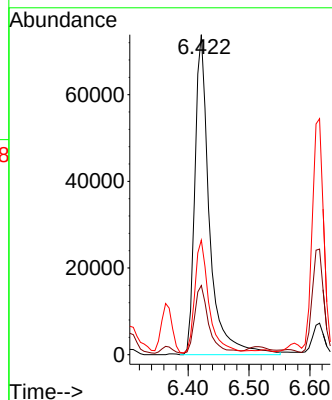
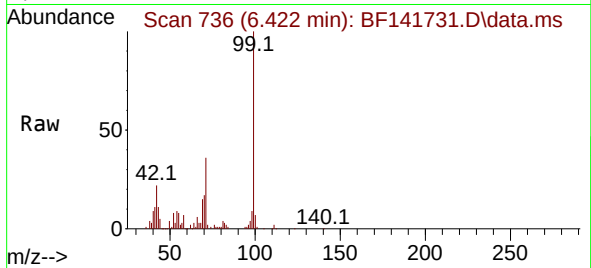




#7
Phenol-d6
Concen: 19.718 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141731.D
Acq: 21 Feb 2025 20:42

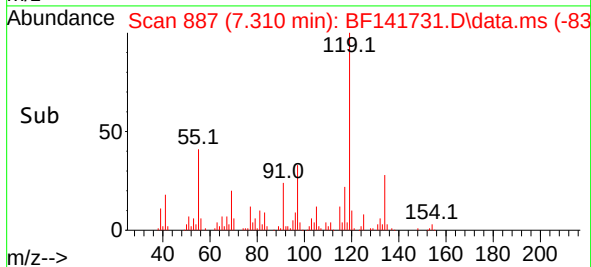
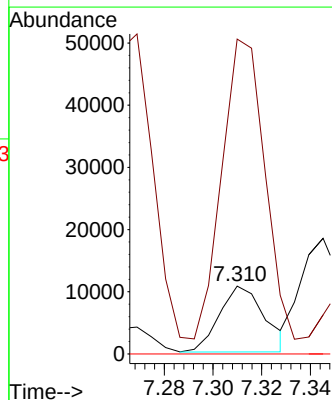
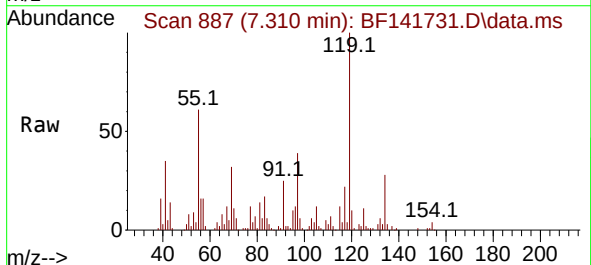
Instrument :
BNA_F
ClientSampleId :
EO-02-02202025

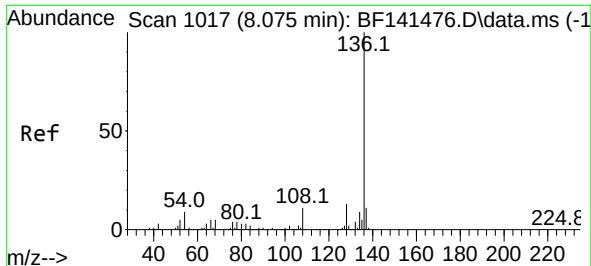
Tgt Ion: 99 Resp: 122978
Ion Ratio Lower Upper
99 100
42 21.6 19.1 28.7
71 35.8 31.1 46.7



#18
Hexachloroethane
Concen: 6.416 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.006 min
Lab File: BF141731.D
Acq: 21 Feb 2025 20:42

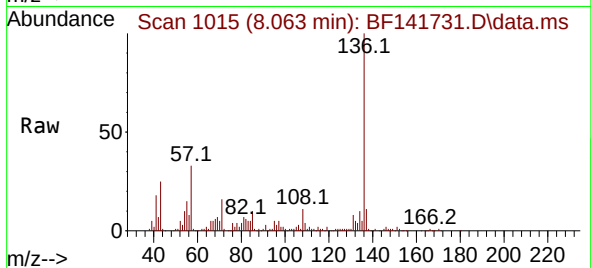
Tgt Ion: 117 Resp: 13657
Ion Ratio Lower Upper
117 100
119 464.3 76.5 114.7#
201 0.0 76.7 115.1#



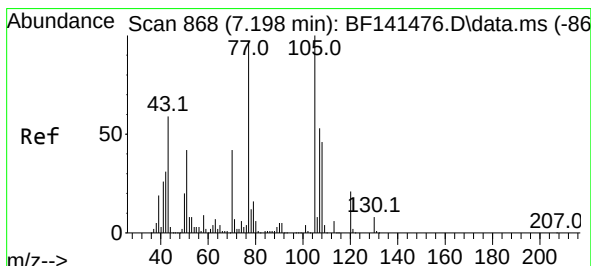
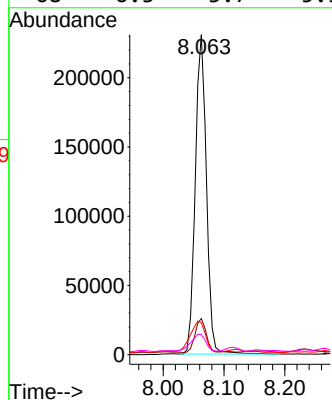
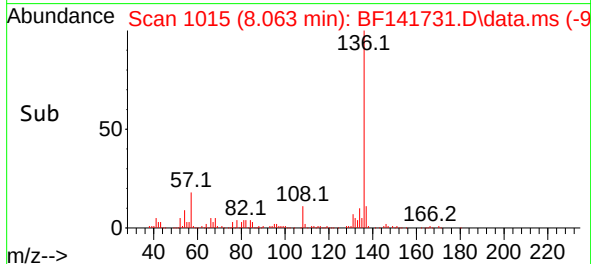


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141731.D
Acq: 21 Feb 2025 20:42

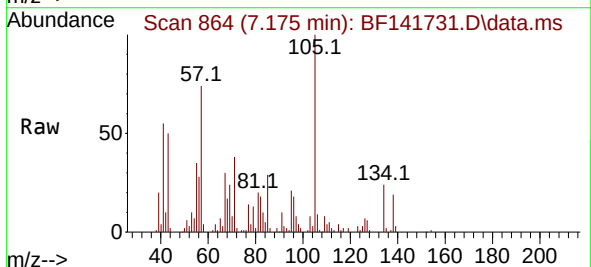
Instrument :
BNA_F
ClientSampleId :
EO-02-02202025



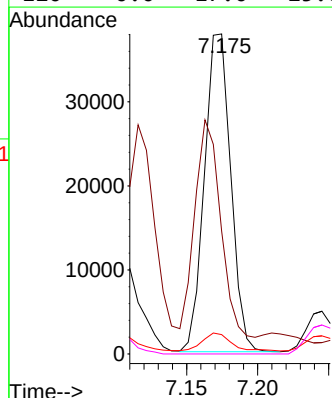
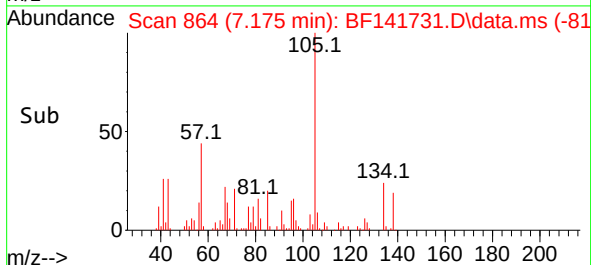
Tgt Ion:136 Resp: 292736
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 10.0 7.2 10.8
68 6.3 3.7 5.5#

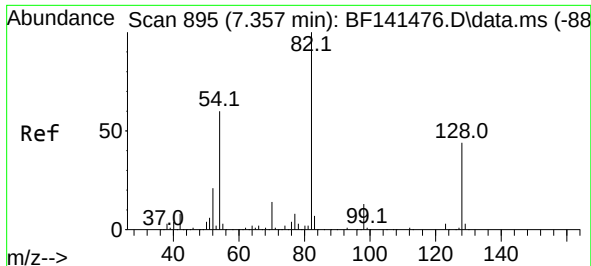


#22
Acetophenone
Concen: 6.701 ng
RT: 7.175 min Scan# 864
Delta R.T. -0.035 min
Lab File: BF141731.D
Acq: 21 Feb 2025 20:42



Tgt Ion:105 Resp: 48797
Ion Ratio Lower Upper
105 100
71 38.4 5.7 8.5#
51 6.1 33.7 50.5#
120 0.0 17.0 25.6#





#23

Nitrobenzene-d5

Concen: 14.014 ng

RT: 7.339 min Scan# 895

Delta R.T. -0.024 min

Lab File: BF141731.D

Acq: 21 Feb 2025 20:42

Instrument :

BNA_F

ClientSampleId :

EO-02-02202025

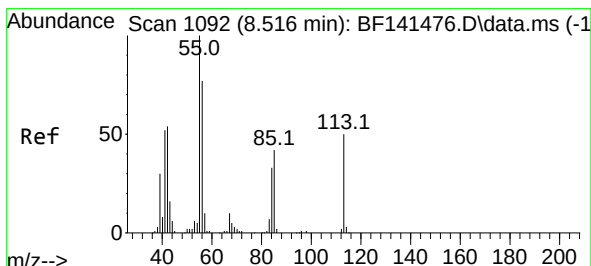
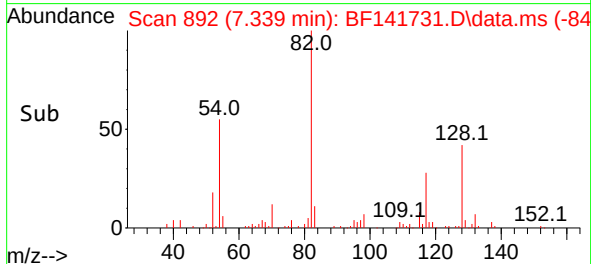
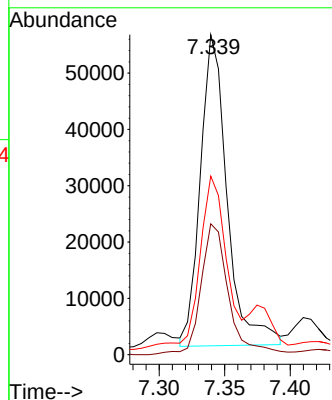
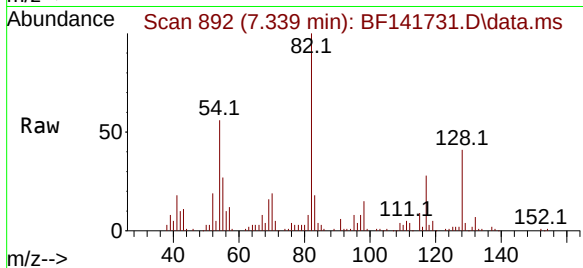
Tgt Ion: 82 Resp: 78651

Ion Ratio Lower Upper

82 100

128 40.9 34.8 52.2

54 55.8 48.2 72.4



#35

Caprolactam

Concen: 17.089 ng

RT: 8.480 min Scan# 1086

Delta R.T. -0.065 min

Lab File: BF141731.D

Acq: 21 Feb 2025 20:42

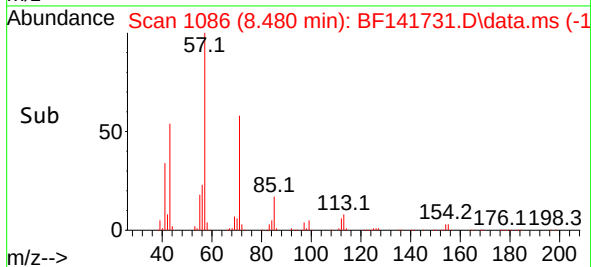
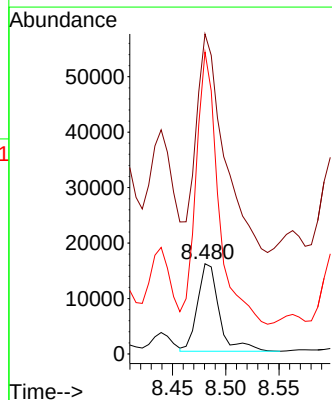
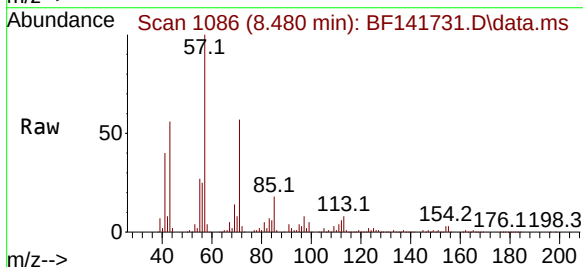
Tgt Ion: 113 Resp: 22362

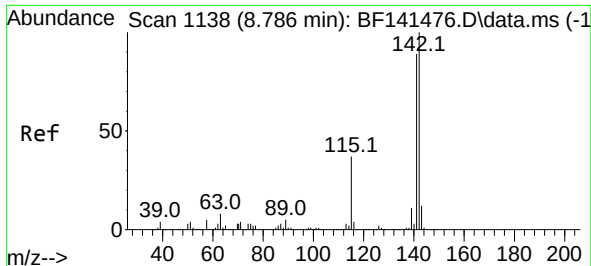
Ion Ratio Lower Upper

113 100

55 354.3 180.8 220.8#

56 334.3 133.6 173.6#





#37

2-Methylnaphthalene

Concen: 2.439 ng

RT: 8.775 min Scan# 1136

Delta R.T. -0.012 min

Lab File: BF141731.D

Acq: 21 Feb 2025 20:42

Instrument :

BNA_F

ClientSampleId :

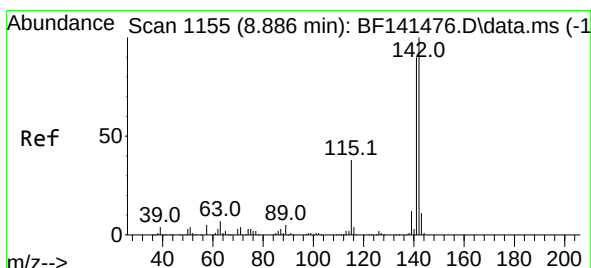
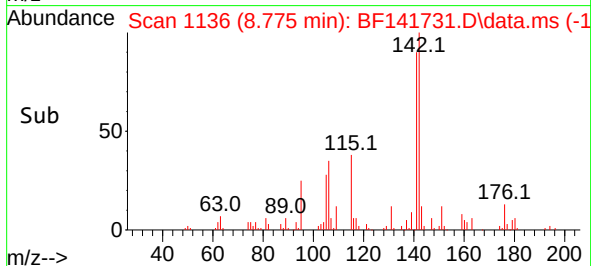
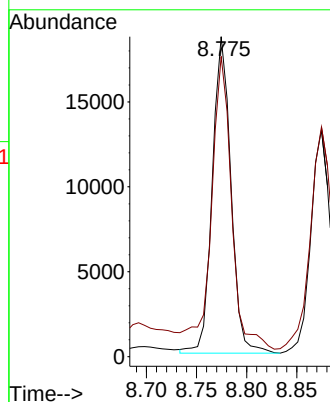
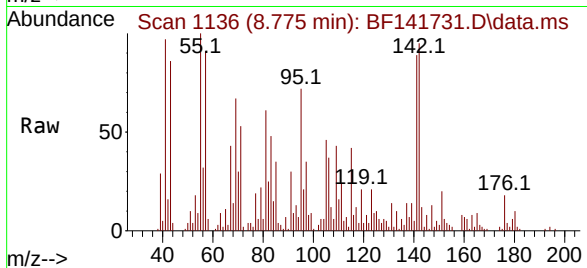
EO-02-02202025

Tgt Ion:142 Resp: 24188

Ion Ratio Lower Upper

142 100

141 93.8 71.2 106.8



#38

1-Methylnaphthalene

Concen: 2.018 ng

RT: 8.875 min Scan# 1153

Delta R.T. -0.012 min

Lab File: BF141731.D

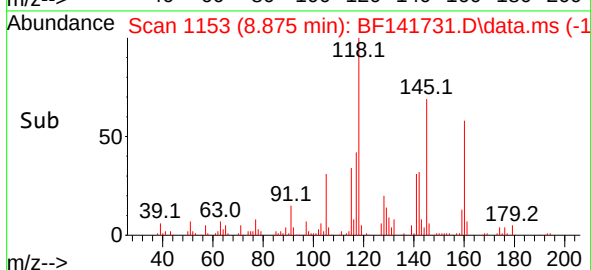
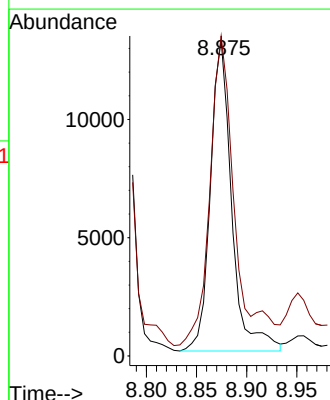
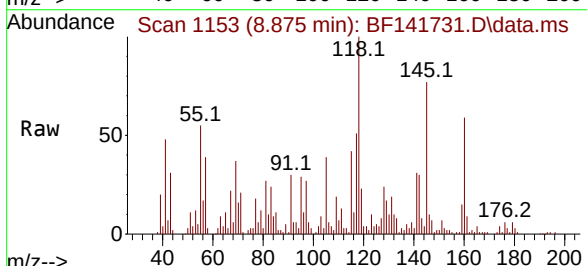
Acq: 21 Feb 2025 20:42

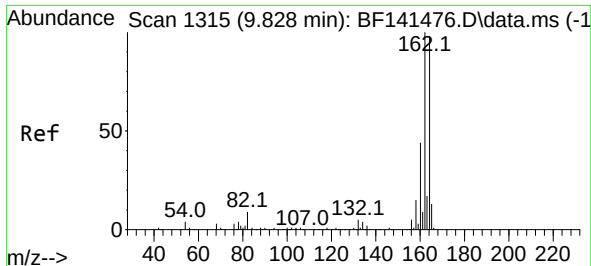
Tgt Ion:142 Resp: 19380

Ion Ratio Lower Upper

142 100

141 101.2 72.1 108.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141731.D

Acq: 21 Feb 2025 20:42

Instrument :

BNA_F

ClientSampleId :

EO-02-02202025

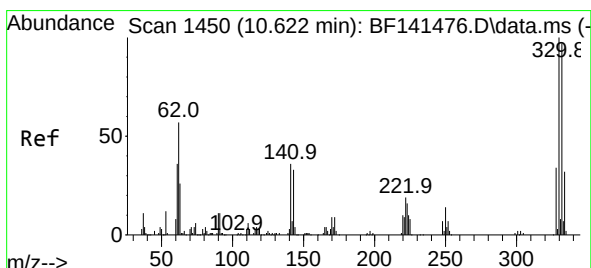
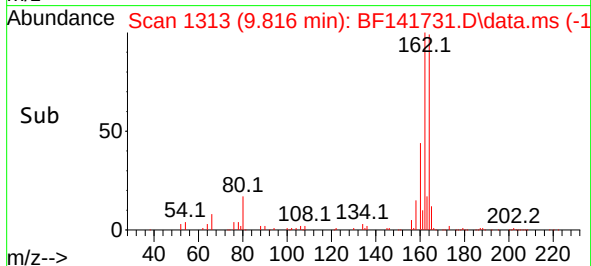
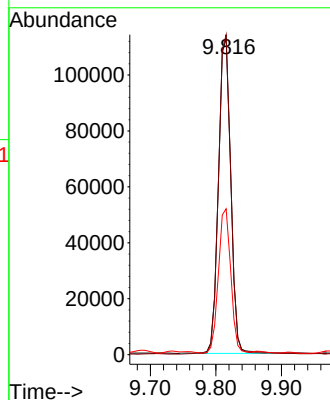
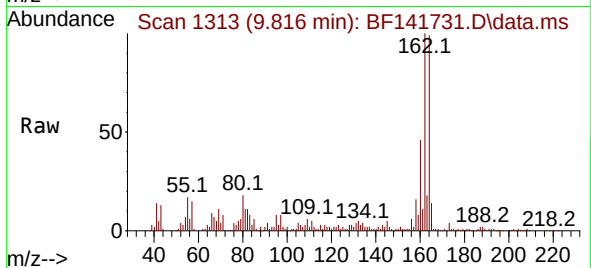
Tgt Ion:164 Resp: 146535

Ion Ratio Lower Upper

164 100

162 101.1 81.3 121.9

160 46.1 35.9 53.9



#42

2,4,6-Tribromophenol

Concen: 16.456 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.024 min

Lab File: BF141731.D

Acq: 21 Feb 2025 20:42

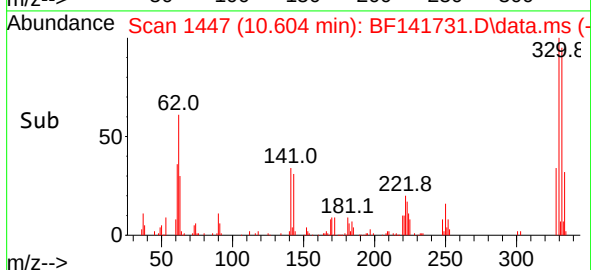
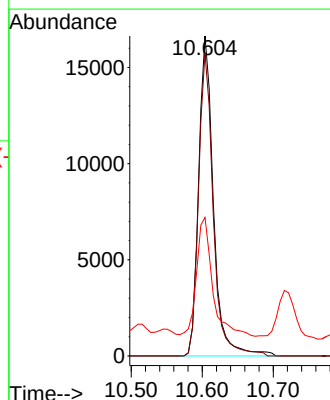
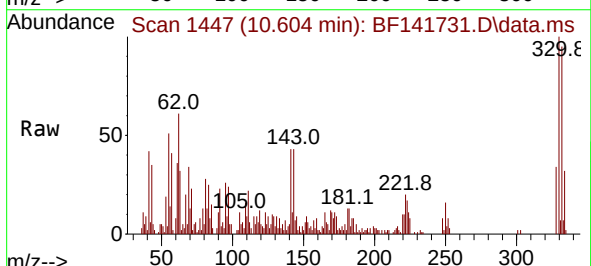
Tgt Ion:330 Resp: 24224

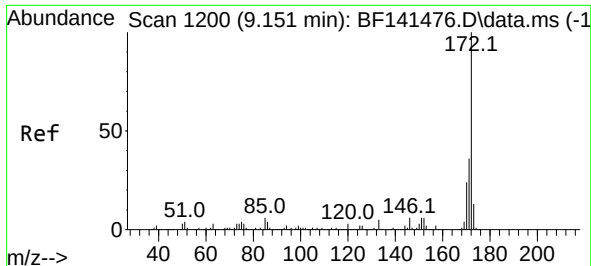
Ion Ratio Lower Upper

330 100

332 93.6 78.5 117.7

141 40.1 31.0 46.4





#45

2-Fluorobiphenyl

Concen: 15.809 ng

RT: 9.133 min Scan# 1197

Delta R.T. -0.018 min

Lab File: BF141731.D

Acq: 21 Feb 2025 20:42

Instrument :

BNA_F

ClientSampleId :

EO-02-02202025

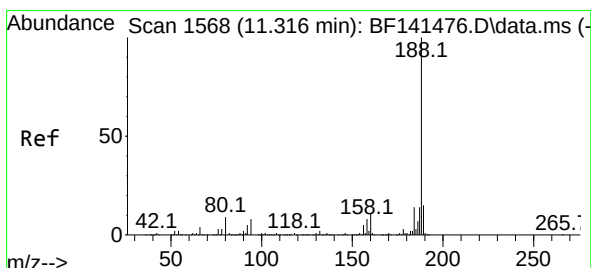
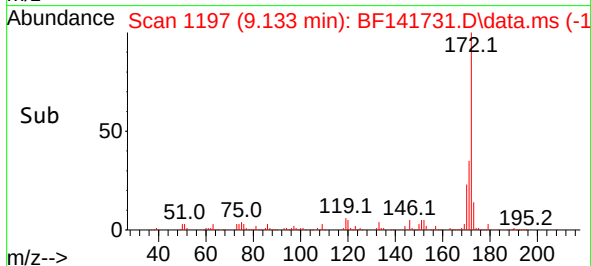
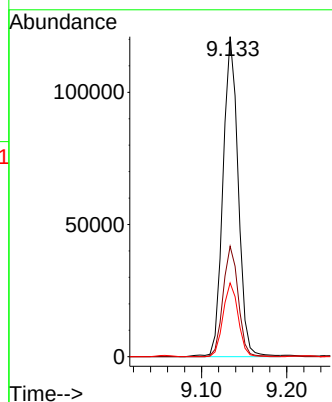
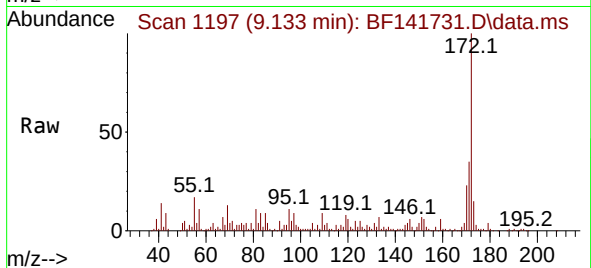
Tgt Ion:172 Resp: 150368

Ion Ratio Lower Upper

172 100

171 34.5 28.7 43.1

170 23.1 18.9 28.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 1565

Delta R.T. -0.018 min

Lab File: BF141731.D

Acq: 21 Feb 2025 20:42

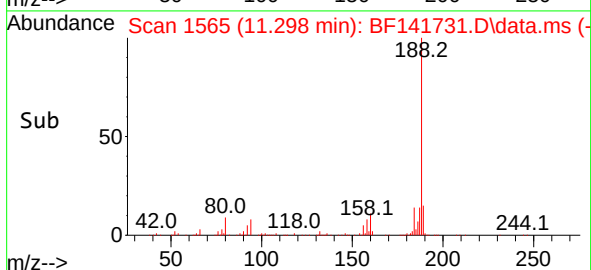
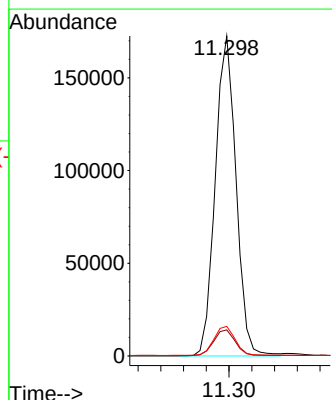
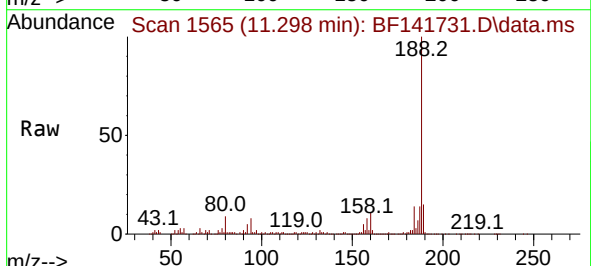
Tgt Ion:188 Resp: 219409

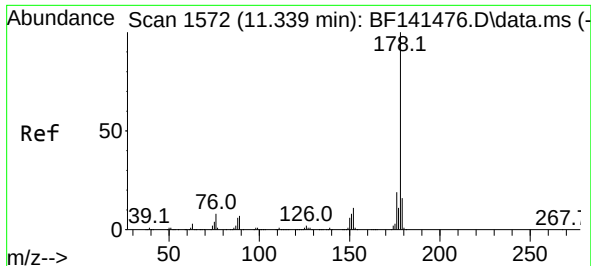
Ion Ratio Lower Upper

188 100

94 8.1 6.6 10.0

80 9.3 7.3 10.9

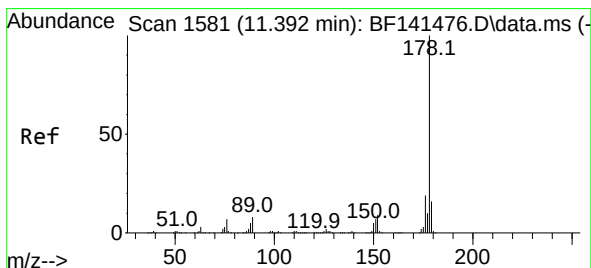
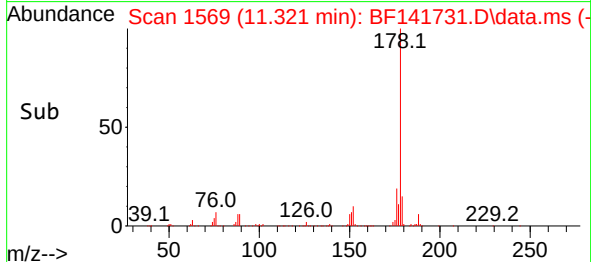
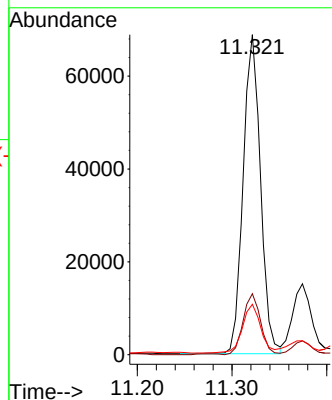
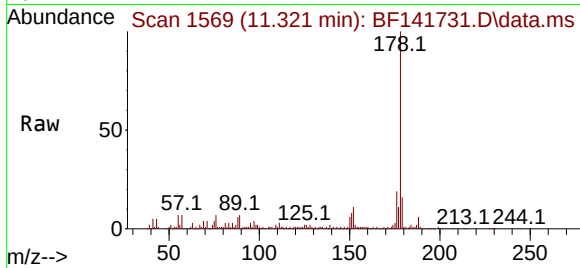




#71
Phenanthrene
Concen: 7.243 ng
RT: 11.321 min Scan# 1569
Delta R.T. -0.024 min
Lab File: BF141731.D
Acq: 21 Feb 2025 20:42

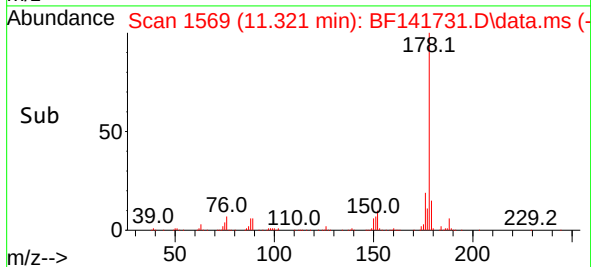
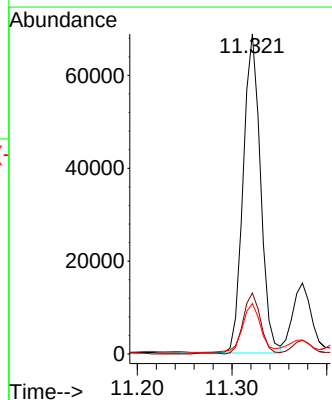
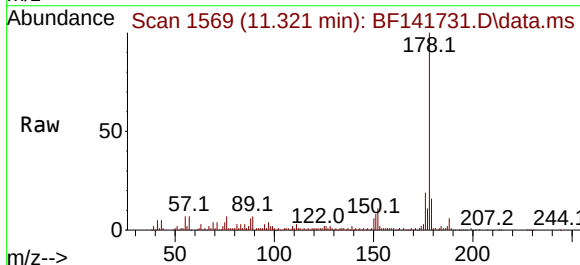
Instrument :
BNA_F
ClientSampleId :
EO-02-02202025

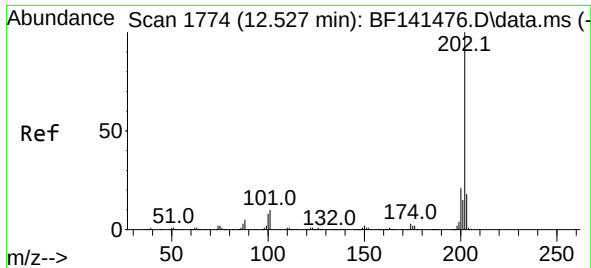
Tgt Ion:178 Resp: 87477
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.7 12.4 18.6



#72
Anthracene
Concen: 7.205 ng
RT: 11.321 min Scan# 1569
Delta R.T. -0.076 min
Lab File: BF141731.D
Acq: 21 Feb 2025 20:42

Tgt Ion:178 Resp: 87477
Ion Ratio Lower Upper
178 100
176 19.1 14.8 22.2
179 15.7 12.4 18.6

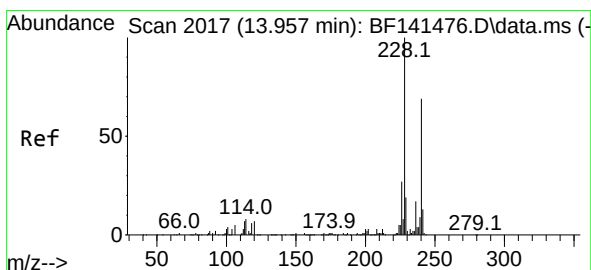
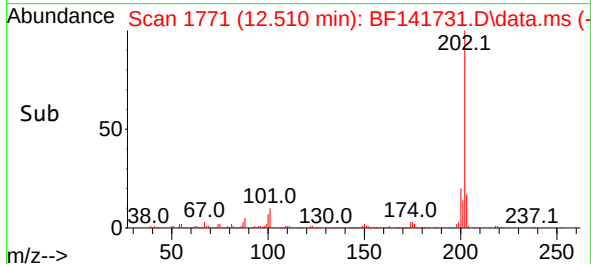
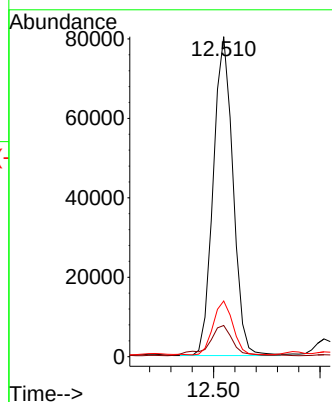
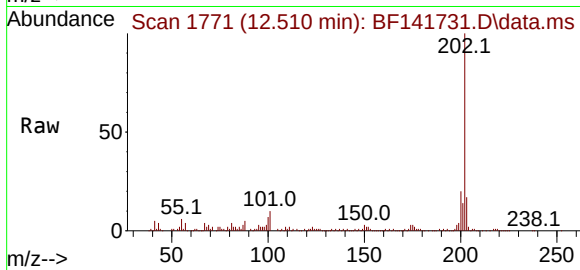




#75
Fluoranthene
Concen: 8.059 ng
RT: 12.510 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF141731.D
Acq: 21 Feb 2025 20:42

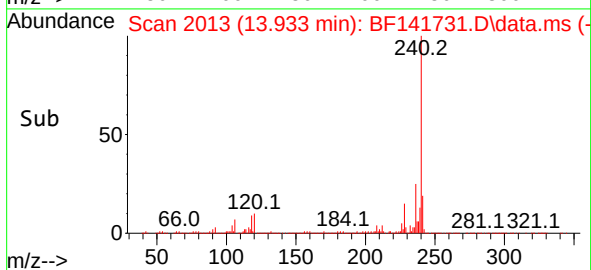
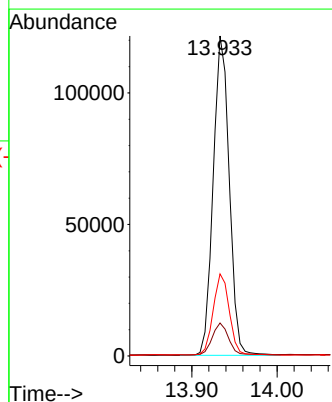
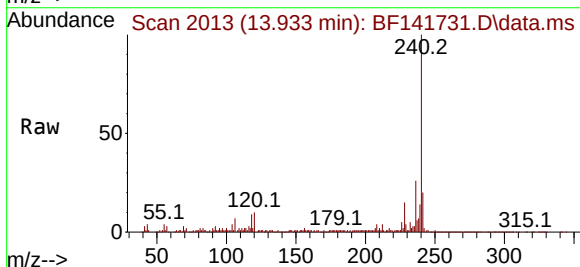
Instrument :
BNA_F
ClientSampleId :
EO-02-02202025

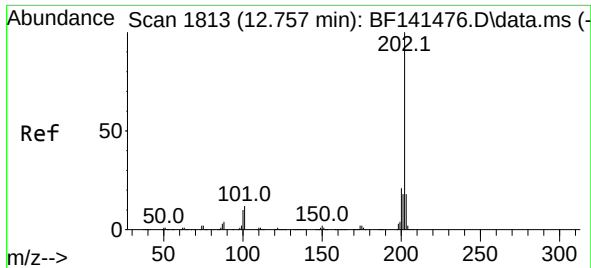
Tgt Ion:202 Resp: 103194
Ion Ratio Lower Upper
202 100
101 9.7 0.0 30.2
203 17.4 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.029 min
Lab File: BF141731.D
Acq: 21 Feb 2025 20:42

Tgt Ion:240 Resp: 159176
Ion Ratio Lower Upper
240 100
120 10.3 8.0 12.0
236 25.7 19.8 29.8

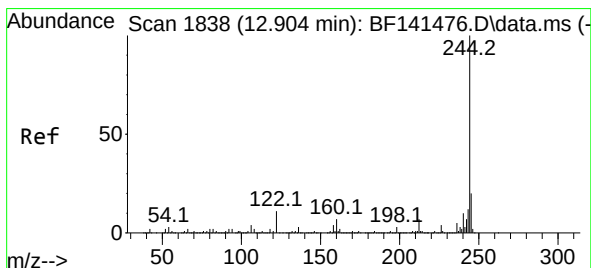
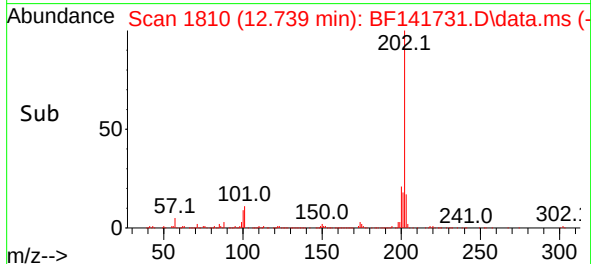
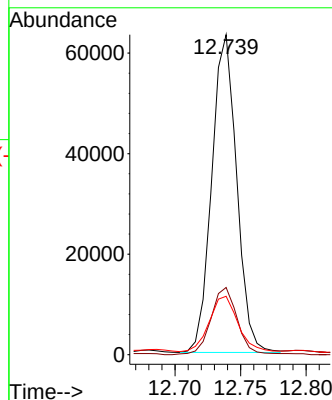
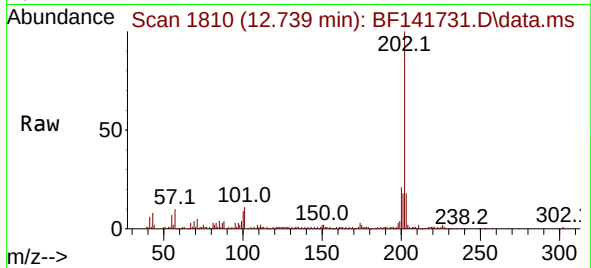




#78
Pyrene
Concen: 6.171 ng
RT: 12.739 min Scan# 1810
Delta R.T. -0.024 min
Lab File: BF141731.D
Acq: 21 Feb 2025 20:42

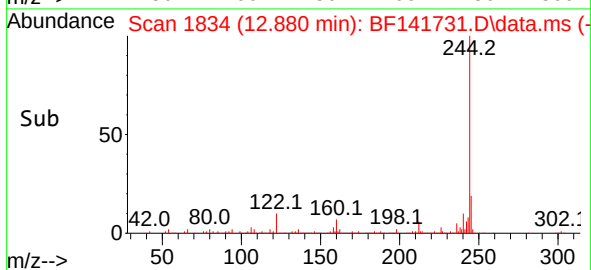
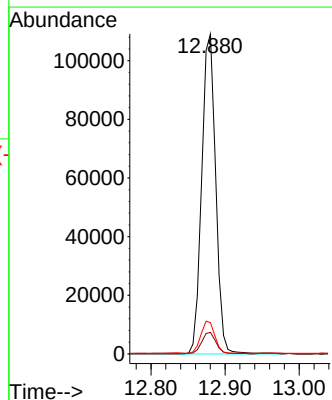
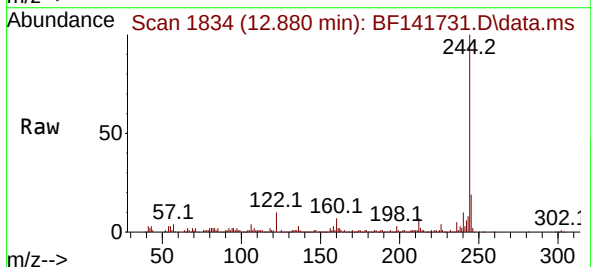
Instrument :
BNA_F
ClientSampleId :
EO-02-02202025

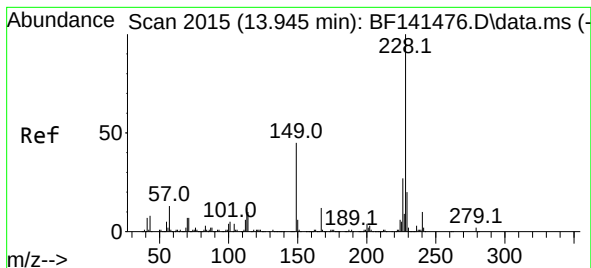
Tgt Ion:202 Resp: 83616
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.4
203 18.3 14.3 21.5



#79
Terphenyl-d14
Concen: 15.158 ng
RT: 12.880 min Scan# 1834
Delta R.T. -0.024 min
Lab File: BF141731.D
Acq: 21 Feb 2025 20:42

Tgt Ion:244 Resp: 142920
Ion Ratio Lower Upper
244 100
212 6.7 5.6 8.4
122 9.8 8.4 12.6





#81

Benzo(a)anthracene

Concen: 3.902 ng

RT: 13.927 min Scan# 2015

Delta R.T. -0.024 min

Lab File: BF141731.D

Acq: 21 Feb 2025 20:42

Instrument :

BNA_F

ClientSampleId :

EO-02-02202025

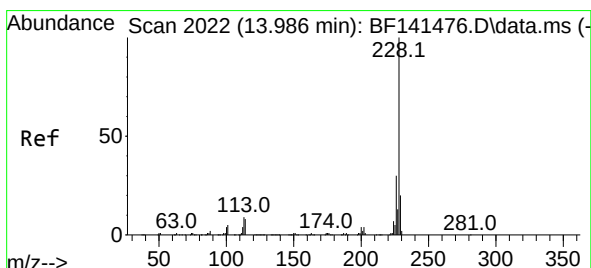
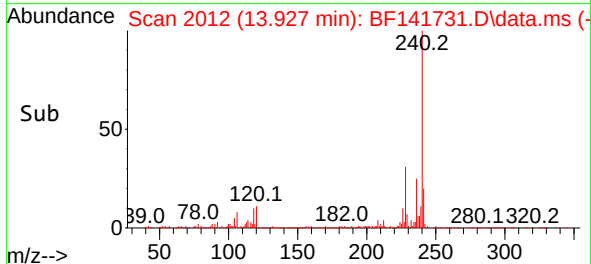
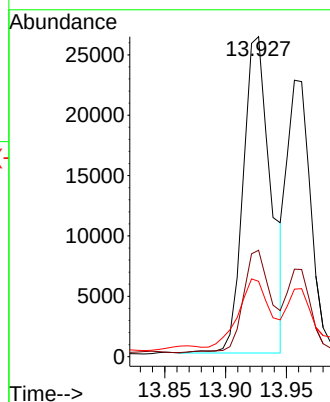
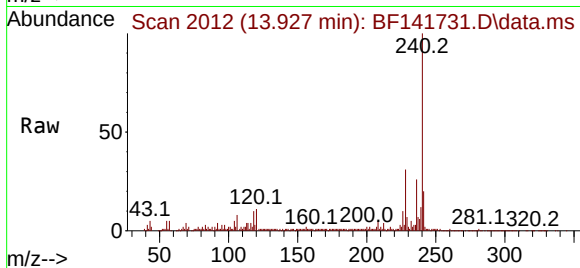
Tgt Ion:228 Resp: 41289

Ion Ratio Lower Upper

228 100

226 33.3 21.8 32.8#

229 23.5 15.8 23.6



#83

Chrysene

Concen: 3.059 ng

RT: 13.957 min Scan# 2017

Delta R.T. -0.035 min

Lab File: BF141731.D

Acq: 21 Feb 2025 20:42

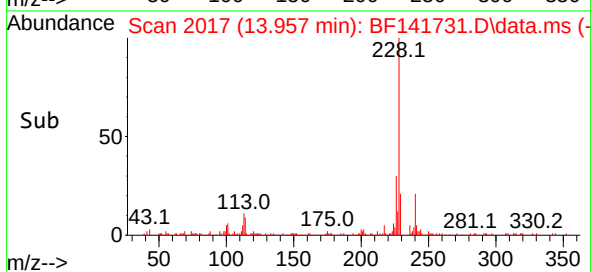
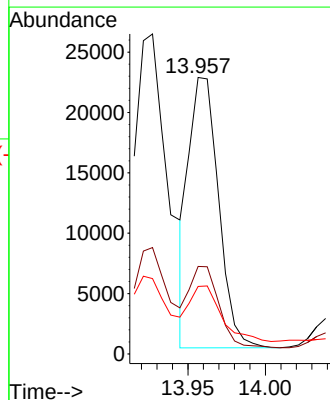
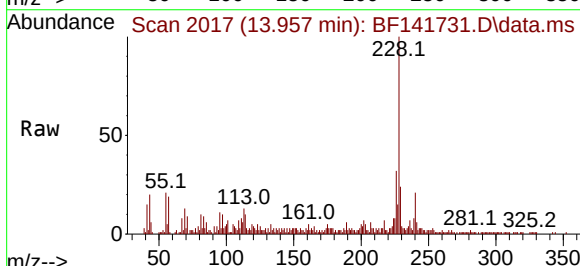
Tgt Ion:228 Resp: 29886

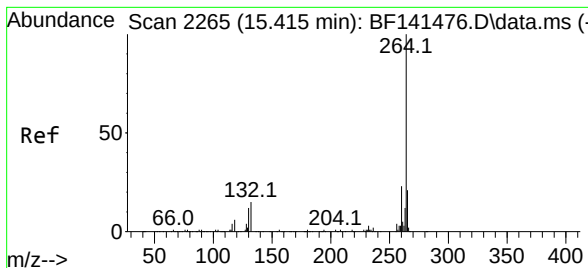
Ion Ratio Lower Upper

228 100

226 31.6 24.0 36.0

229 24.4 15.7 23.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.380 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF141731.D

Acq: 21 Feb 2025 20:42

Instrument :

BNA_F

ClientSampleId :

EO-02-02202025

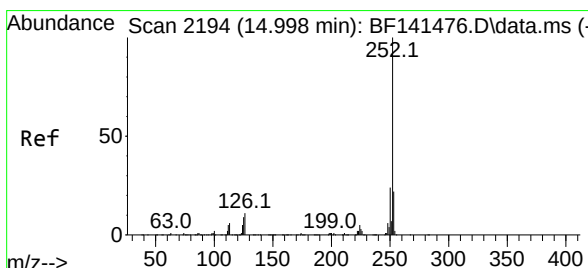
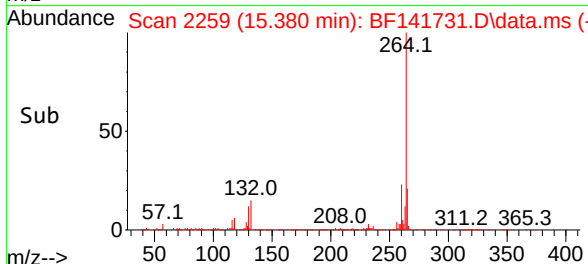
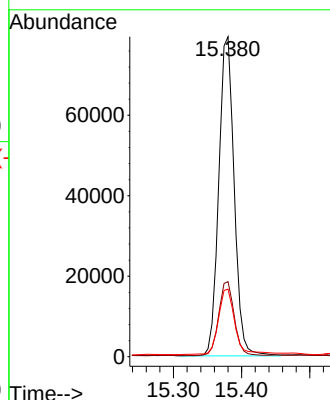
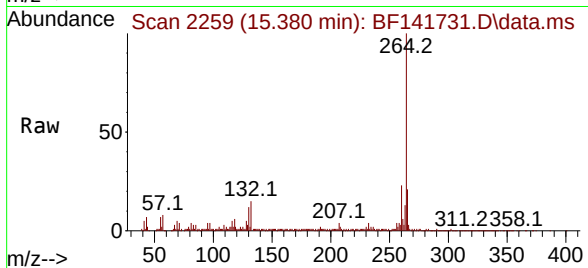
Tgt Ion:264 Resp: 124965

Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

265 21.1 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 5.294 ng

RT: 14.962 min Scan# 2188

Delta R.T. -0.041 min

Lab File: BF141731.D

Acq: 21 Feb 2025 20:42

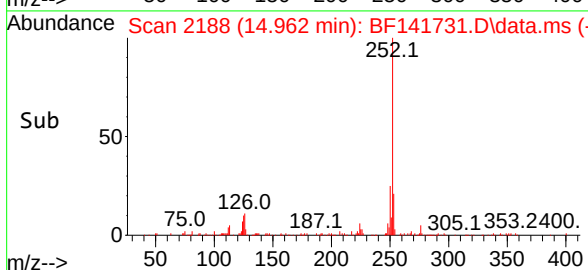
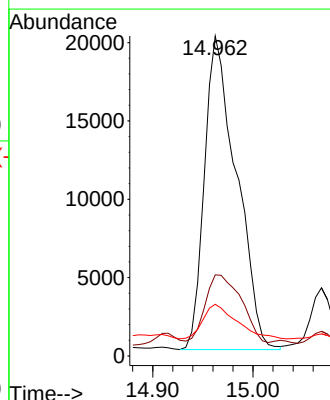
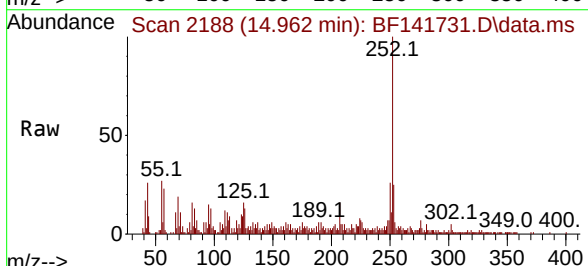
Tgt Ion:252 Resp: 44418

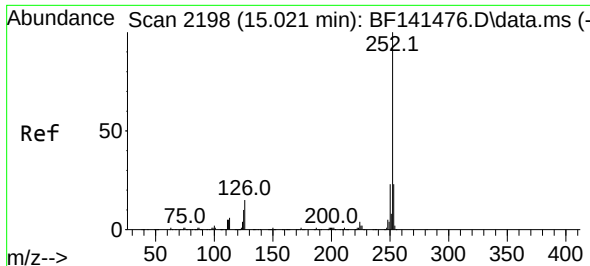
Ion Ratio Lower Upper

252 100

253 25.3 17.5 26.3

125 16.2 7.0 10.6#

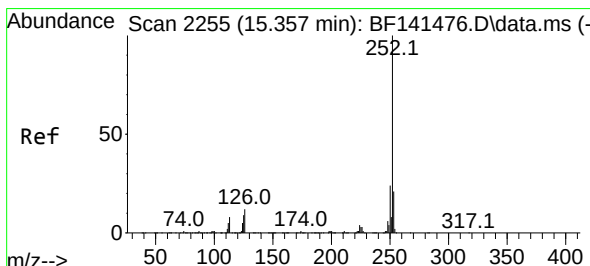
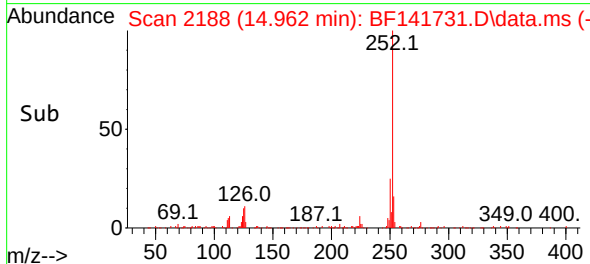
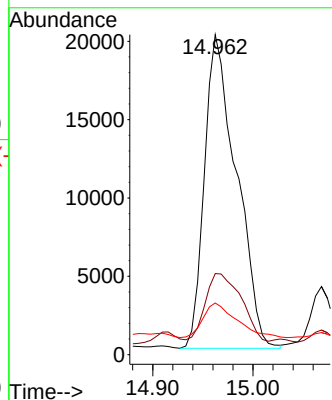
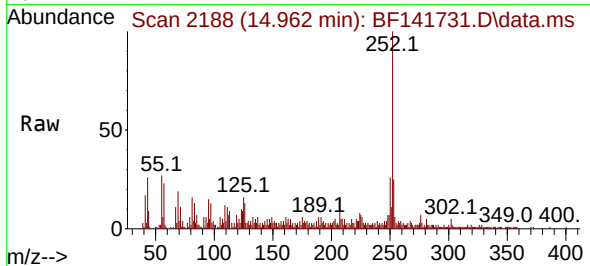




#89
Benzo(k)fluoranthene
Concen: 6.199 ng
RT: 14.962 min Scan# 2198
Delta R.T. -0.071 min
Lab File: BF141731.D
Acq: 21 Feb 2025 20:42

Instrument :
BNA_F
ClientSampleId :
EO-02-02202025

Tgt Ion:252 Resp: 44418
Ion Ratio Lower Upper
252 100
253 25.3 18.0 27.0
125 16.2 7.4 11.0#



#90
Benzo(a)pyrene
Concen: 3.519 ng
RT: 15.315 min Scan# 2248
Delta R.T. -0.047 min
Lab File: BF141731.D
Acq: 21 Feb 2025 20:42

Tgt Ion:252 Resp: 23895
Ion Ratio Lower Upper
252 100
253 23.5 17.1 25.7
125 17.2 7.4 11.2#

