

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
 Data File : BF142411.D
 Acq On : 16 May 2025 00:28
 Operator : RC/JU
 Sample : Q2024-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-051325

Quant Time: May 16 01:11:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

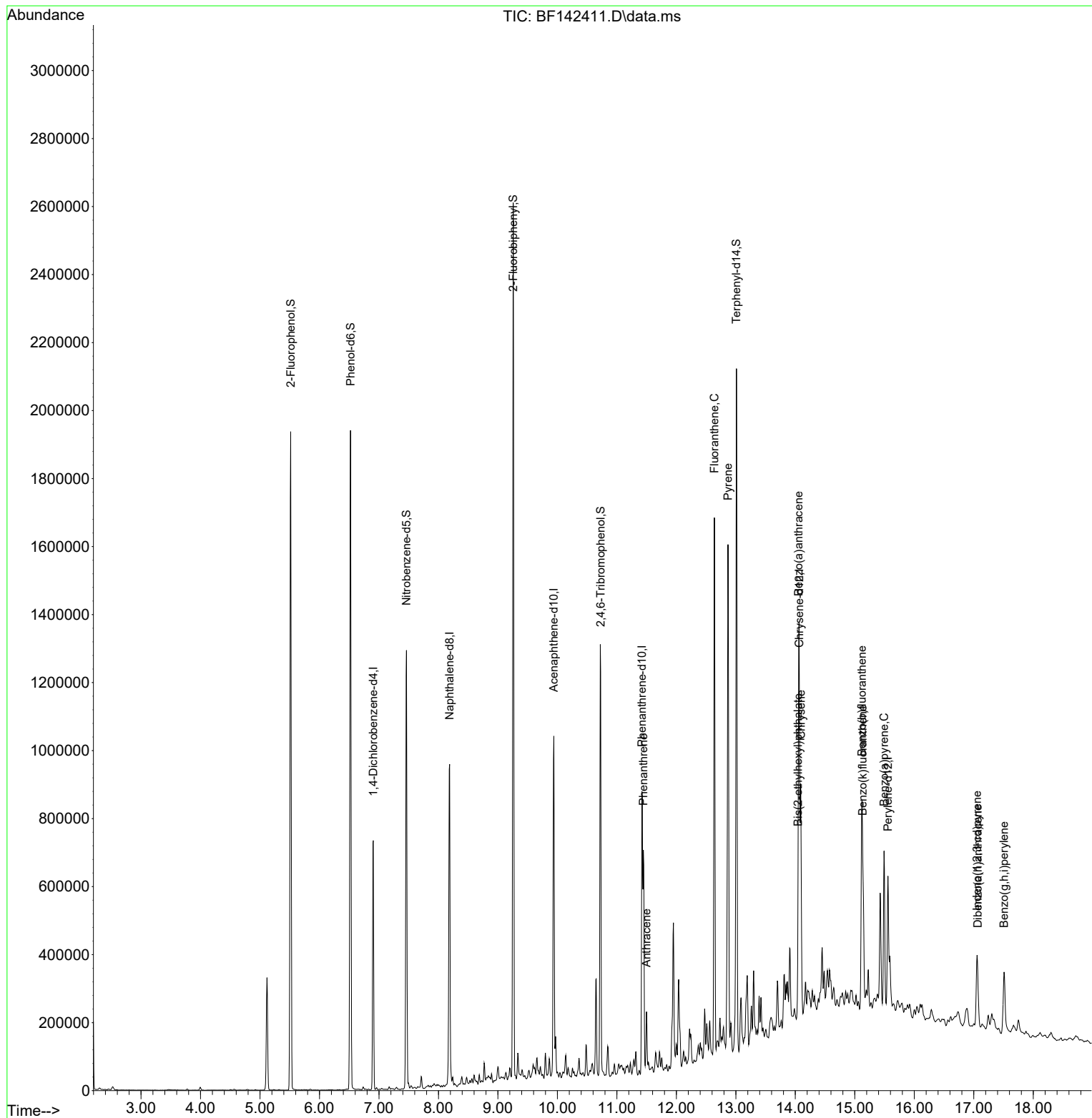
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	162873	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	614619	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	304465	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	446956	20.000	ng	-0.01
76) Chrysene-d12	14.068	240	295855	20.000	ng	0.00
86) Perylene-d12	15.557	264	228248	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	744828	78.066	ng	0.00
7) Phenol-d6	6.522	99	917555	78.191	ng	0.00
23) Nitrobenzene-d5	7.463	82	546290	54.207	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	224792	76.471	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1138191	53.304	ng	0.00
79) Terphenyl-d14	13.010	244	963920	48.223	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.445	178	347426	14.829	ng	99
72) Anthracene	11.498	178	100857	4.190	ng	99
75) Fluoranthene	12.639	202	900938	38.470	ng	99
78) Pyrene	12.869	202	874616	33.212	ng	99
81) Benzo(a)anthracene	14.057	228	444800	23.215	ng	95
83) Chrysene	14.092	228	355122	19.910	ng	98
84) Bis(2-ethylhexyl)phtha...	14.045	149	9238	5.079	ng	# 94
87) Indeno(1,2,3-cd)pyrene	17.056	276	170266	10.724	ng	94
88) Benzo(b)fluoranthene	15.121	252	392255m	28.375	ng	
89) Benzo(k)fluoranthene	15.133	252	165069m	13.048	ng	
90) Benzo(a)pyrene	15.492	252	283282	22.868	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	41851	3.191	ng	# 89
92) Benzo(g,h,i)perylene	17.509	276	170292	13.080	ng	98

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

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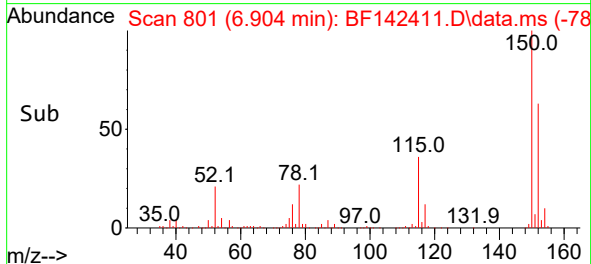
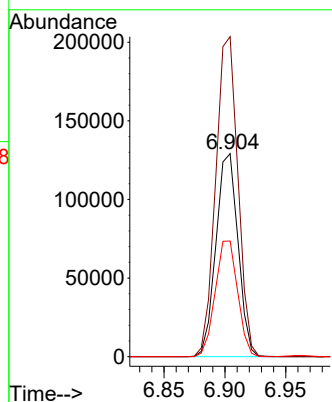
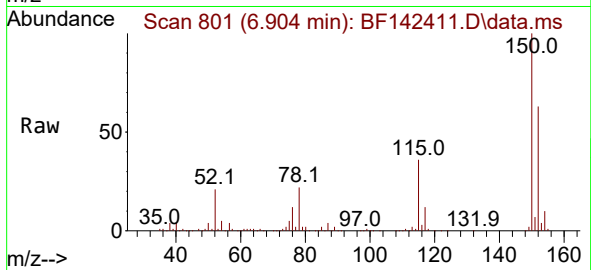




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142411.D
Acq: 16 May 2025 00:28

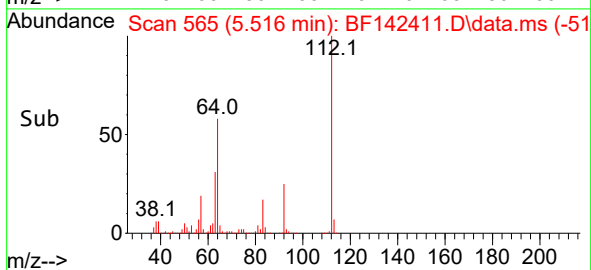
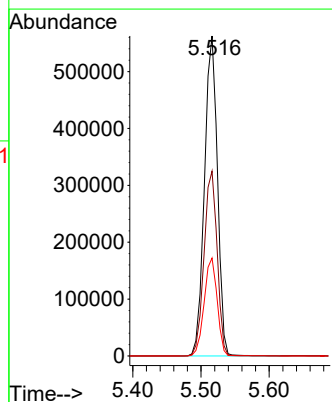
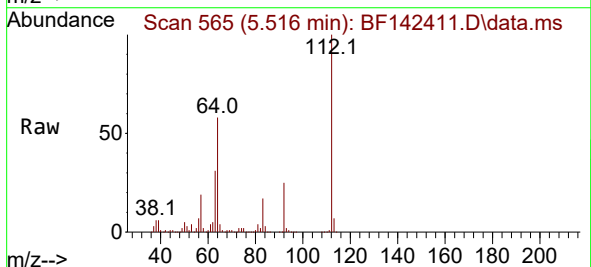
Instrument :
BNA_F
ClientSampleId :
PL-02-051325

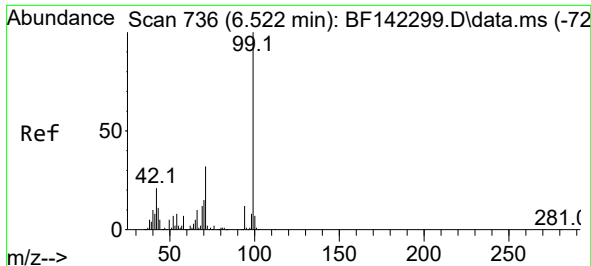
Tgt Ion:152 Resp: 162873
Ion Ratio Lower Upper
152 100
150 157.6 126.6 190.0
115 56.9 47.3 70.9



#5
2-Fluorophenol
Concen: 78.066 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF142411.D
Acq: 16 May 2025 00:28

Tgt Ion:112 Resp: 744828
Ion Ratio Lower Upper
112 100
64 57.8 48.9 73.3
63 30.6 25.6 38.4

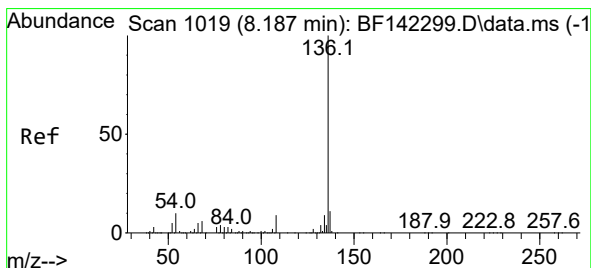
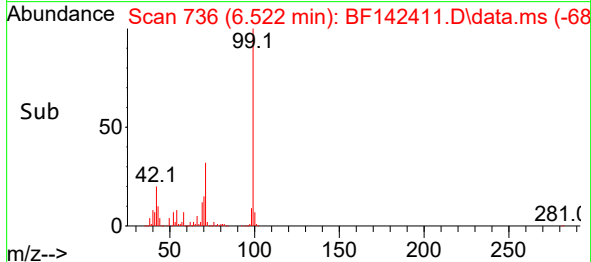
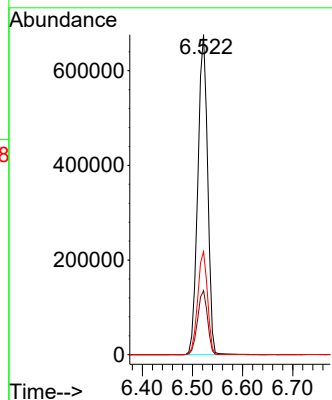
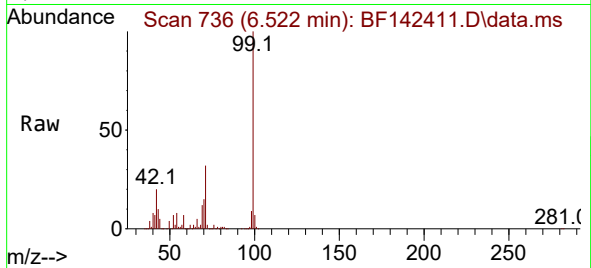




#7
Phenol-d6
Concen: 78.191 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF142411.D
Acq: 16 May 2025 00:28

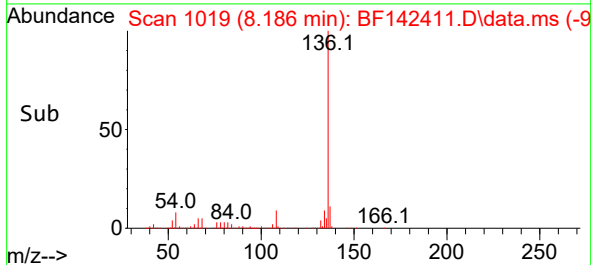
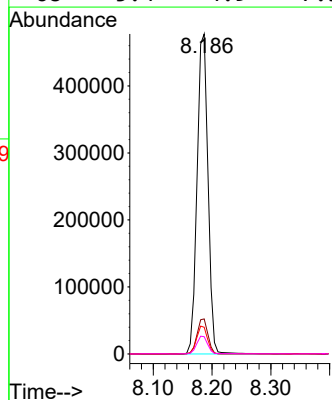
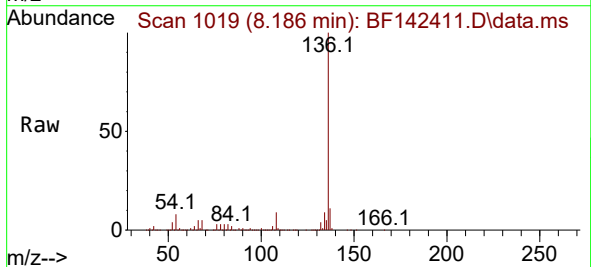
Instrument :
BNA_F
ClientSampleId :
PL-02-051325

Tgt Ion: 99 Resp: 917555
Ion Ratio Lower Upper
99 100
42 20.0 17.0 25.4
71 32.2 25.8 38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142411.D
Acq: 16 May 2025 00:28

Tgt Ion: 136 Resp: 614619
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 8.4 7.7 11.5
68 5.4 4.9 7.3





#23

Nitrobenzene-d5

Concen: 54.207 ng

RT: 7.463 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF142411.D

Acq: 16 May 2025 00:28

Instrument :

BNA_F

ClientSampleId :

PL-02-051325

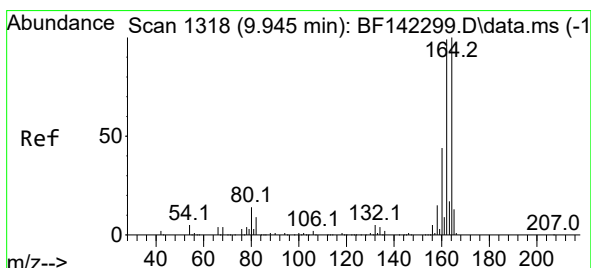
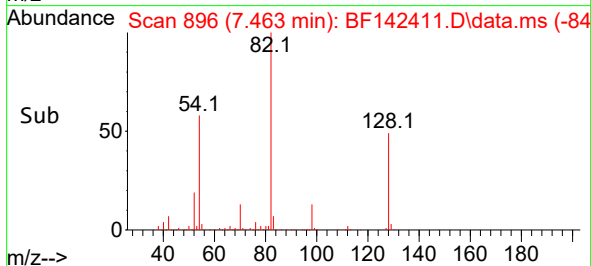
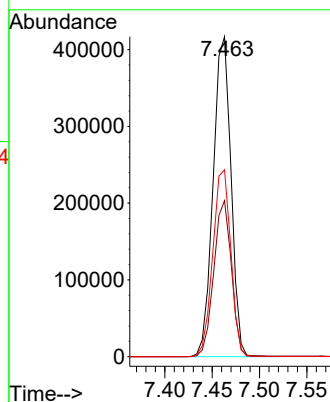
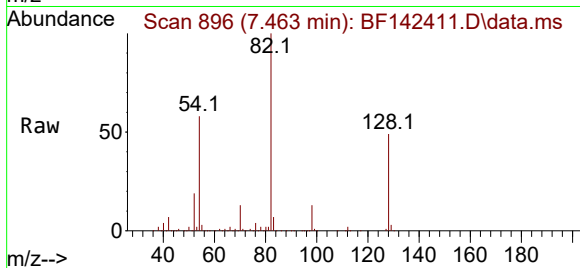
Tgt Ion: 82 Resp: 546290

Ion Ratio Lower Upper

82 100

128 48.7 37.0 55.6

54 58.4 48.6 73.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1317

Delta R.T. -0.006 min

Lab File: BF142411.D

Acq: 16 May 2025 00:28

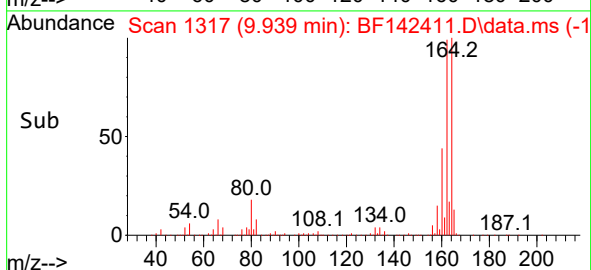
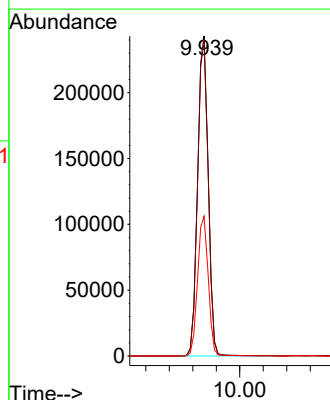
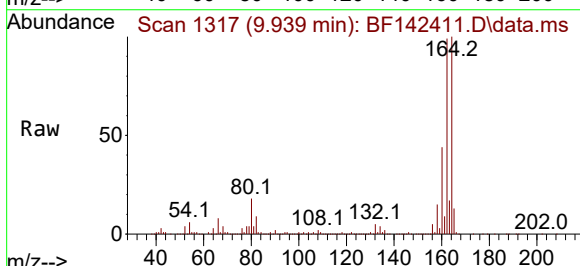
Tgt Ion:164 Resp: 304465

Ion Ratio Lower Upper

164 100

162 98.7 79.2 118.8

160 43.6 35.3 52.9

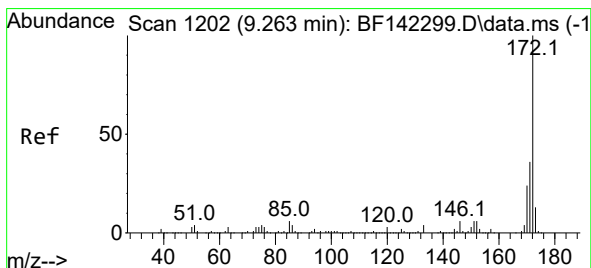
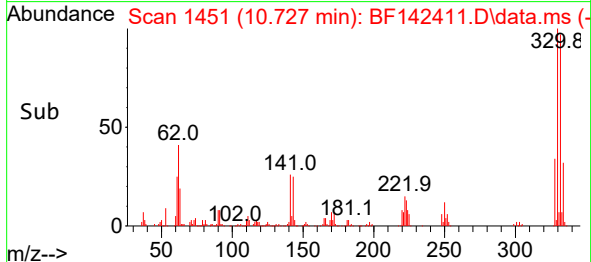
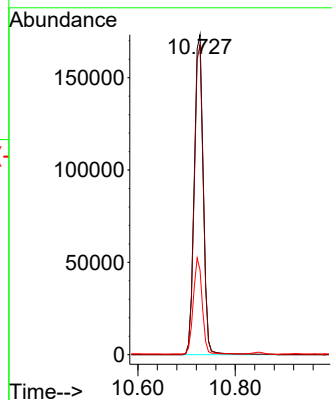
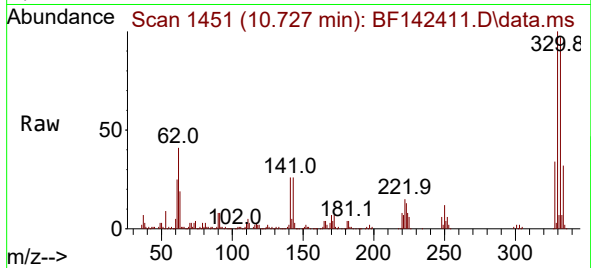




#42
2,4,6-Tribromophenol
Concen: 76.471 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142411.D
Acq: 16 May 2025 00:28

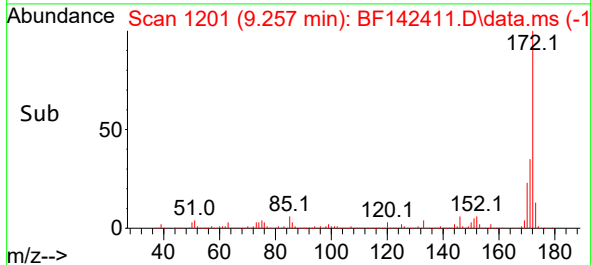
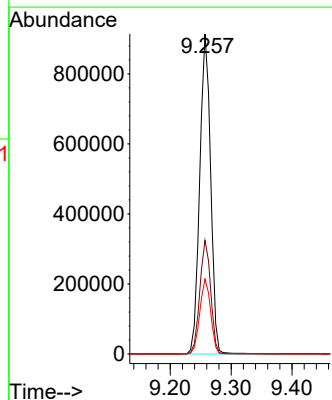
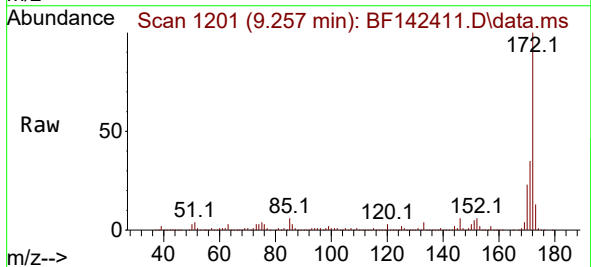
Instrument :
BNA_F
ClientSampleId :
PL-02-051325

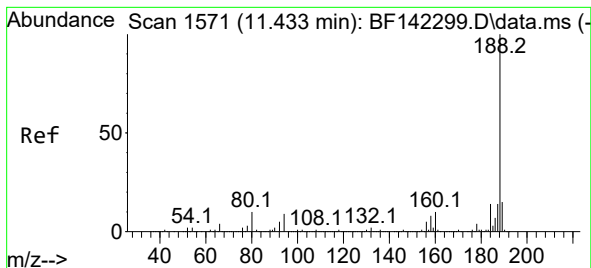
Tgt Ion:330 Resp: 224792
Ion Ratio Lower Upper
330 100
332 96.3 76.8 115.2
141 29.2 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 53.304 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142411.D
Acq: 16 May 2025 00:28

Tgt Ion:172 Resp: 1138191
Ion Ratio Lower Upper
172 100
171 35.5 28.6 42.8
170 23.4 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1569

Delta R.T. -0.012 min

Lab File: BF142411.D

Acq: 16 May 2025 00:28

Instrument :

BNA_F

ClientSampleId :

PL-02-051325

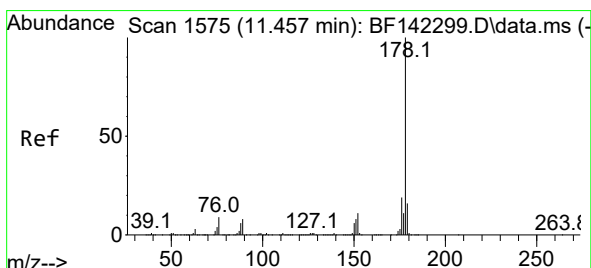
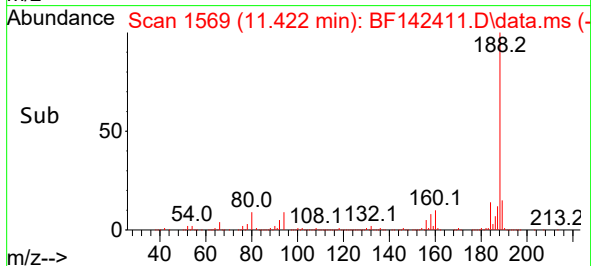
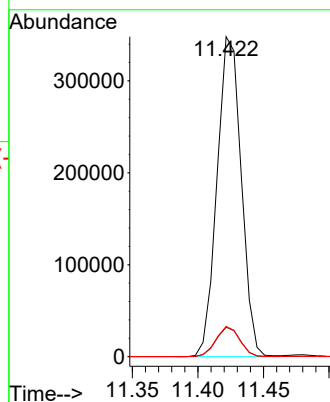
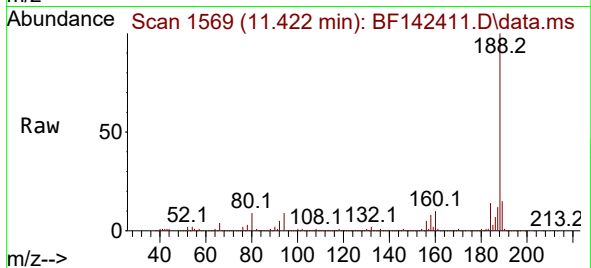
Tgt Ion:188 Resp: 446956

Ion Ratio Lower Upper

188 100

94 9.2 7.5 11.3

80 9.4 7.9 11.9



#71

Phenanthrene

Concen: 14.829 ng

RT: 11.445 min Scan# 1573

Delta R.T. -0.012 min

Lab File: BF142411.D

Acq: 16 May 2025 00:28

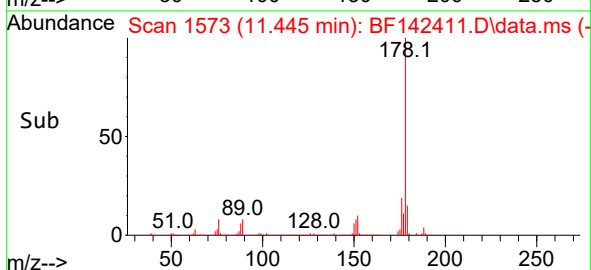
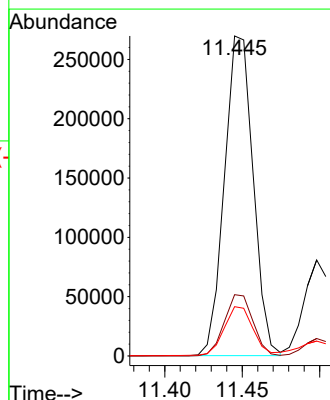
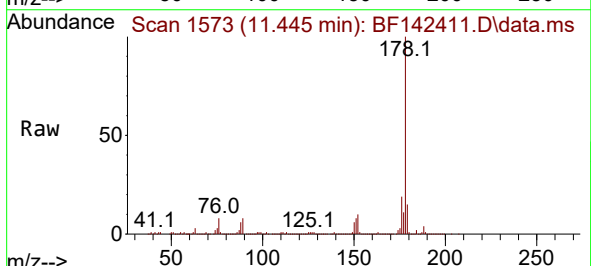
Tgt Ion:178 Resp: 347426

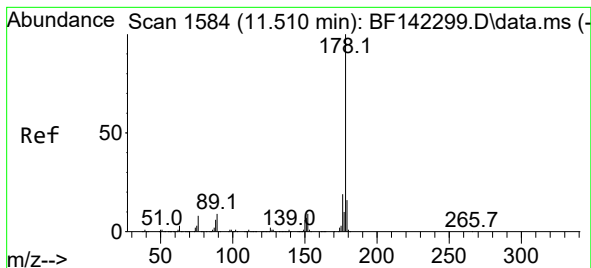
Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

179 15.4 12.6 18.8





#72

Anthracene

Concen: 4.190 ng

RT: 11.498 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142411.D

Acq: 16 May 2025 00:28

Instrument :

BNA_F

ClientSampleId :

PL-02-051325

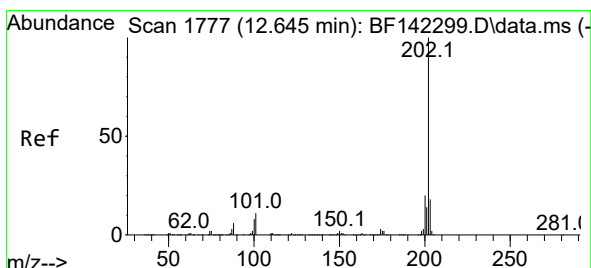
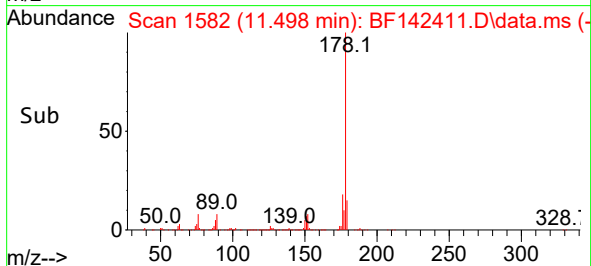
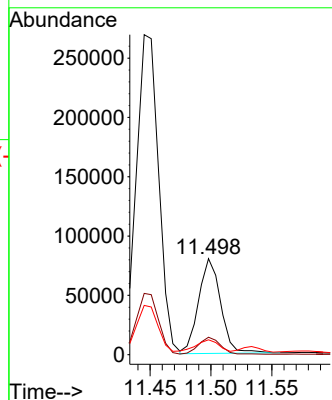
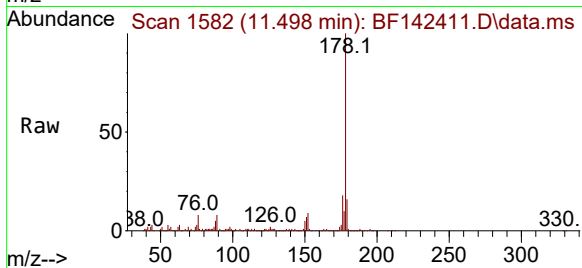
Tgt Ion:178 Resp: 100857

Ion Ratio Lower Upper

178 100

176 18.1 15.3 22.9

179 15.6 12.6 18.8



#75

Fluoranthene

Concen: 38.470 ng

RT: 12.639 min Scan# 1776

Delta R.T. -0.006 min

Lab File: BF142411.D

Acq: 16 May 2025 00:28

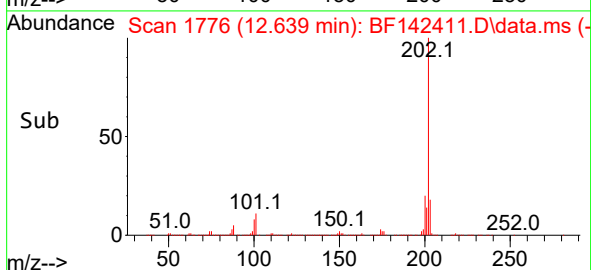
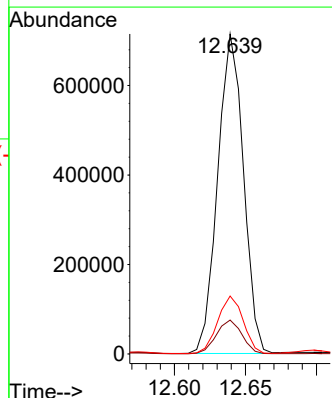
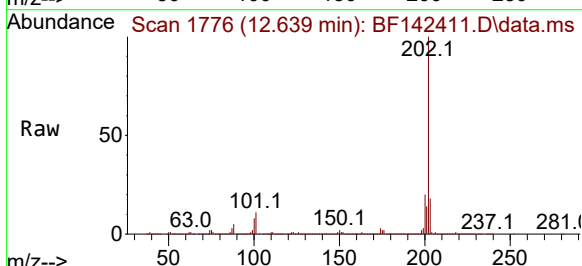
Tgt Ion:202 Resp: 900938

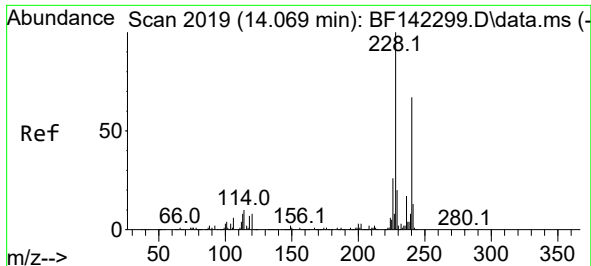
Ion Ratio Lower Upper

202 100

101 10.6 0.0 31.4

203 18.1 0.0 37.9

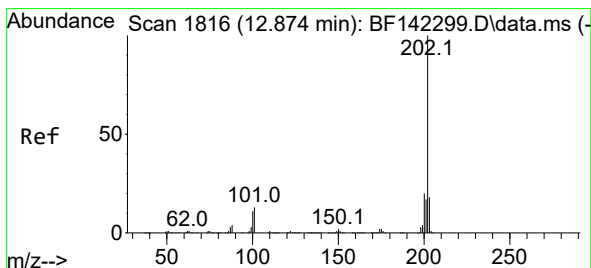
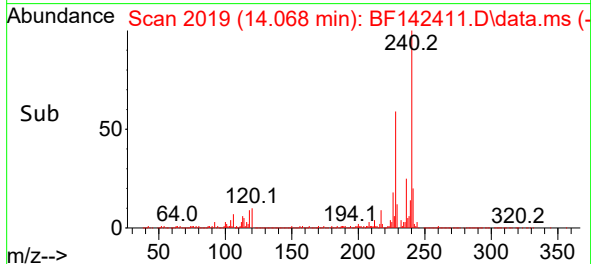
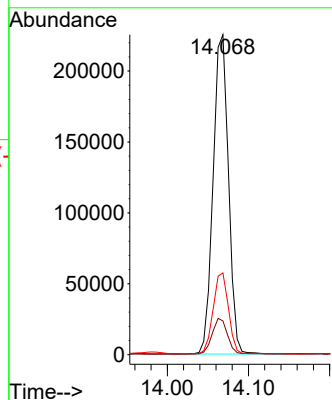
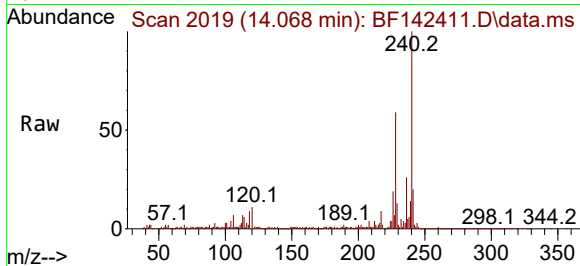




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF142411.D
Acq: 16 May 2025 00:28

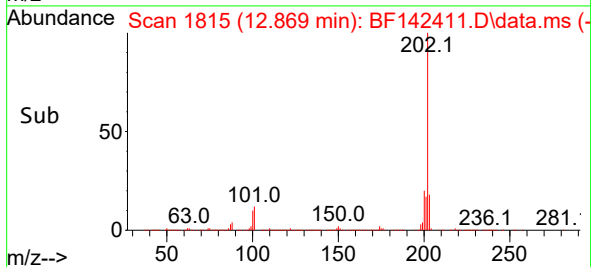
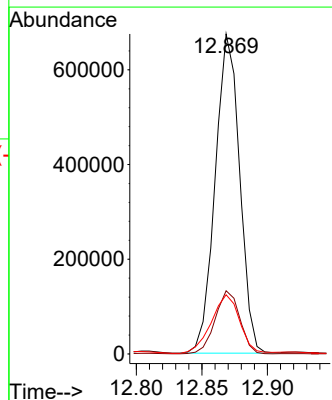
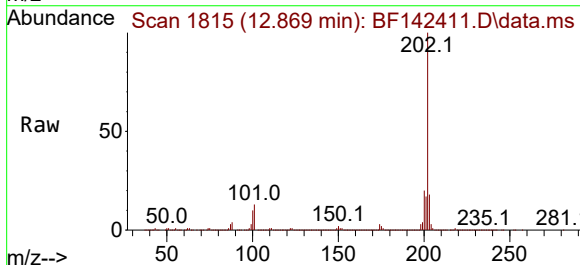
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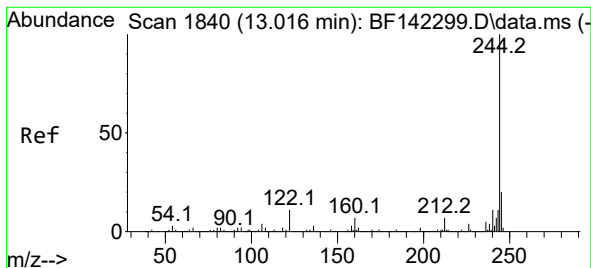
Tgt Ion:240 Resp: 295855
Ion Ratio Lower Upper
240 100
120 10.6 9.7 14.5
236 25.5 20.0 30.0



#78
Pyrene
Concen: 33.212 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142411.D
Acq: 16 May 2025 00:28

Tgt Ion:202 Resp: 874616
Ion Ratio Lower Upper
202 100
200 19.7 16.2 24.4
203 18.5 14.3 21.5





#79

Terphenyl-d14

Concen: 48.223 ng

RT: 13.010 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF142411.D

Acq: 16 May 2025 00:28

Instrument :

BNA_F

ClientSampleId :

PL-02-051325

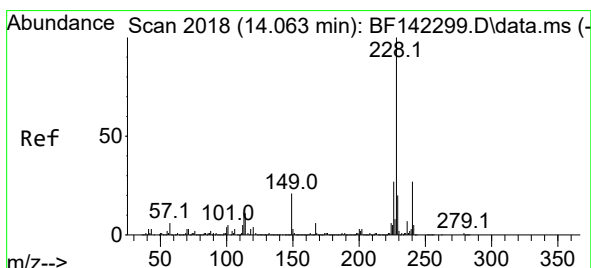
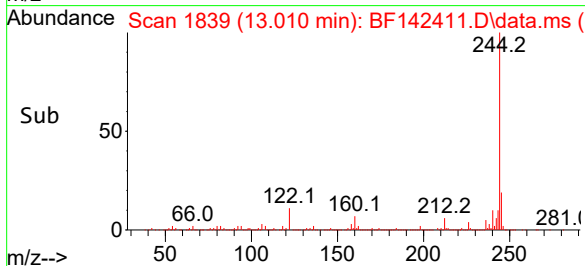
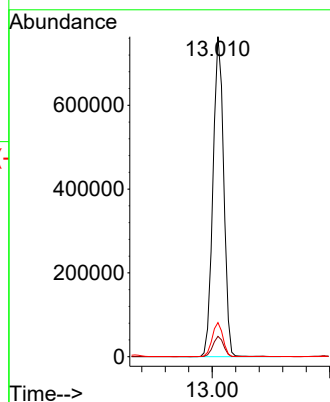
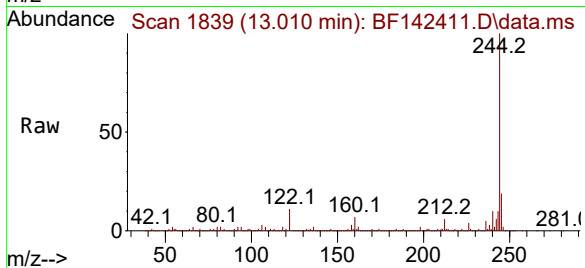
Tgt Ion:244 Resp: 963920

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.2

122 10.7 9.0 13.4



#81

Benzo(a)anthracene

Concen: 23.215 ng

RT: 14.057 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF142411.D

Acq: 16 May 2025 00:28

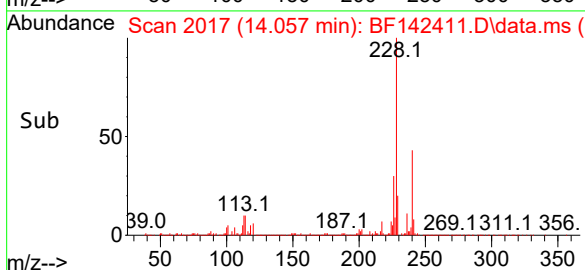
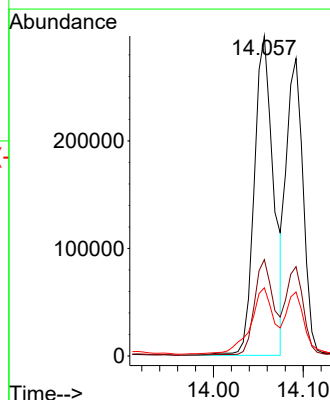
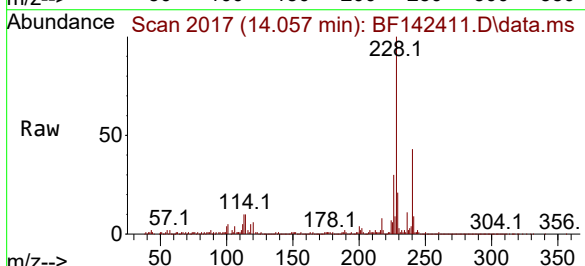
Tgt Ion:228 Resp: 444800

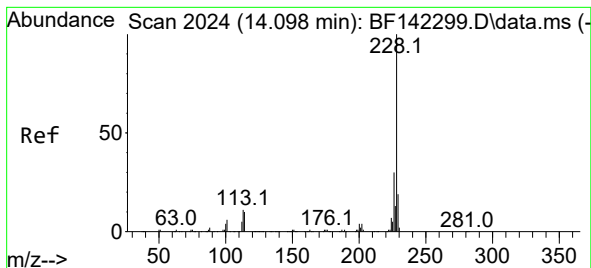
Ion Ratio Lower Upper

228 100

226 30.1 21.5 32.3

229 21.3 15.9 23.9





#83

Chrysene

Concen: 19.910 ng

RT: 14.092 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142411.D

Acq: 16 May 2025 00:28

Instrument :

BNA_F

ClientSampleId :

PL-02-051325

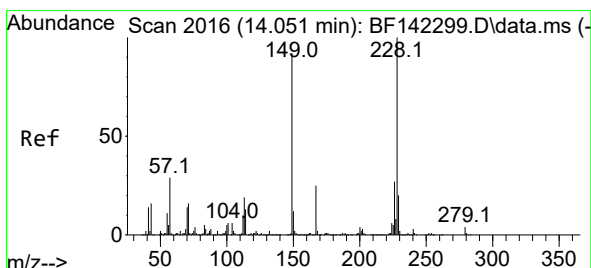
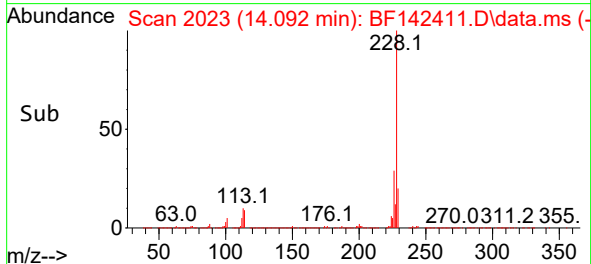
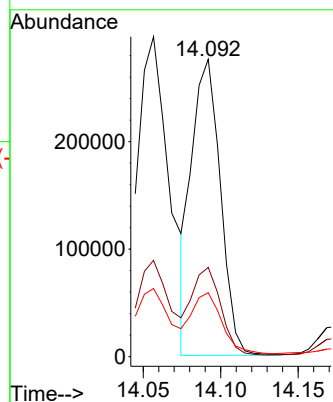
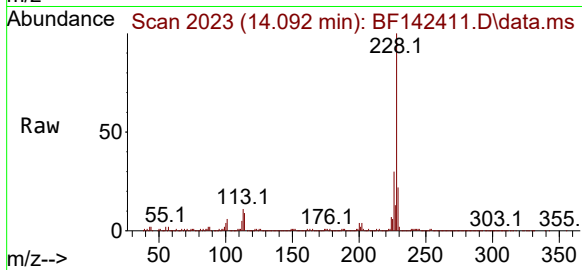
Tgt Ion:228 Resp: 355122

Ion Ratio Lower Upper

228 100

226 30.0 23.9 35.9

229 21.5 15.4 23.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.079 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF142411.D

Acq: 16 May 2025 00:28

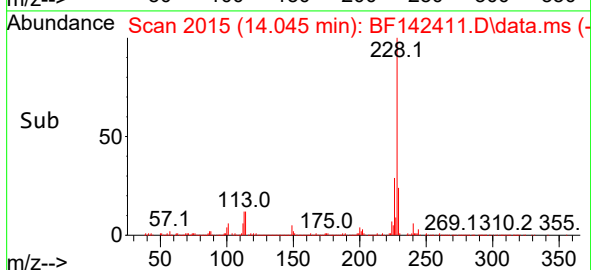
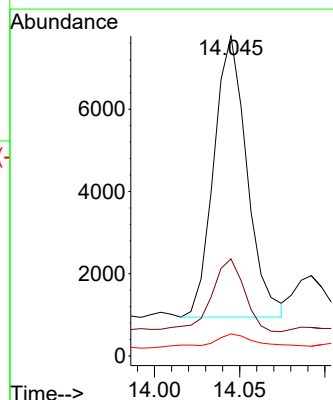
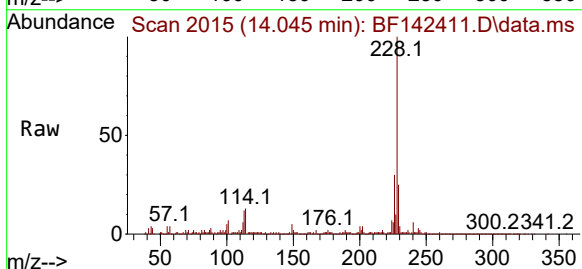
Tgt Ion:149 Resp: 9238

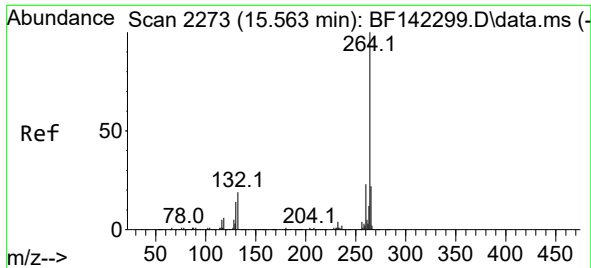
Ion Ratio Lower Upper

149 100

167 30.3 22.0 33.0

279 6.9 3.0 4.6#

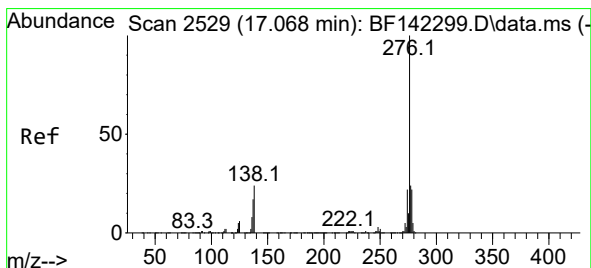
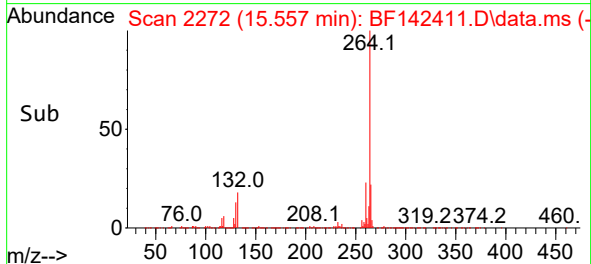
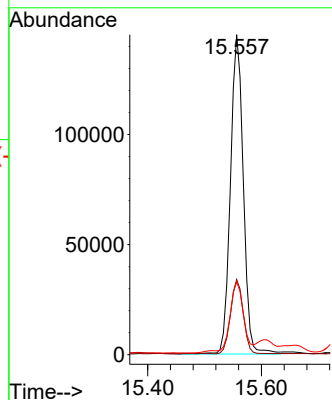
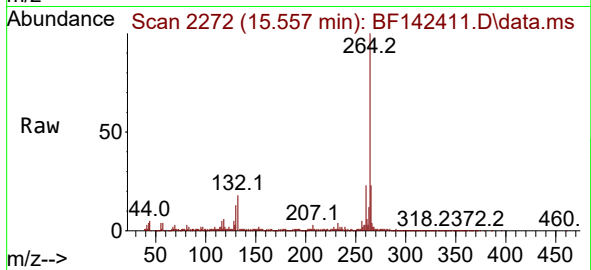




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF142411.D
 Acq: 16 May 2025 00:28

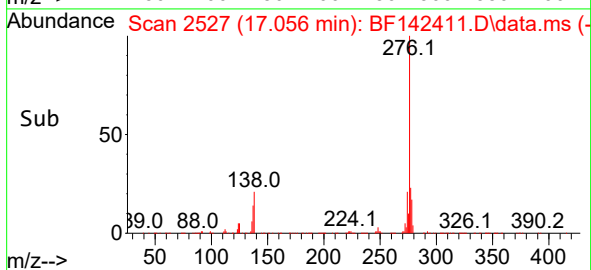
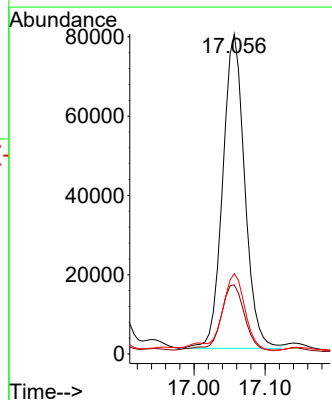
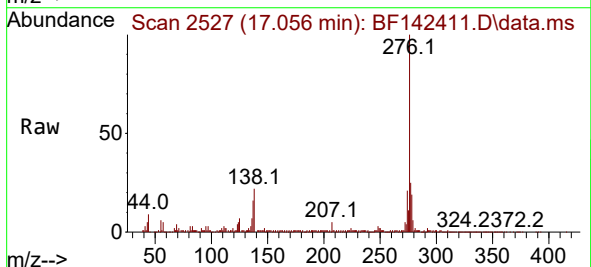
Instrument :
 BNA_F
 ClientSampleId :
 PL-02-051325

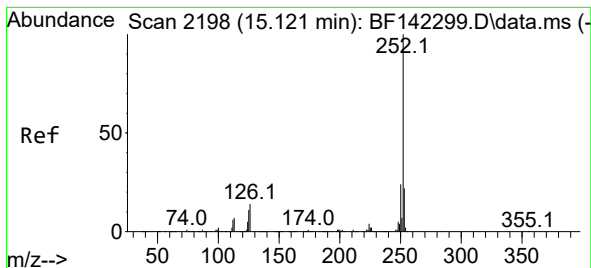
Tgt Ion:264 Resp: 228248
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.6 27.8
 265 22.8 17.5 26.3



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 10.724 ng
 RT: 17.056 min Scan# 2527
 Delta R.T. -0.012 min
 Lab File: BF142411.D
 Acq: 16 May 2025 00:28

Tgt Ion:276 Resp: 170266
 Ion Ratio Lower Upper
 276 100
 138 22.7 22.0 33.0
 277 26.5 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 28.375 ng m

RT: 15.121 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF142411.D

Acq: 16 May 2025 00:28

Instrument :

BNA_F

ClientSampleId :

PL-02-051325

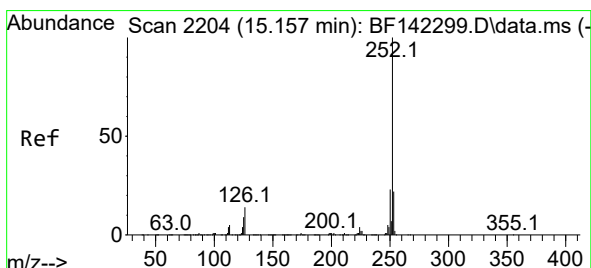
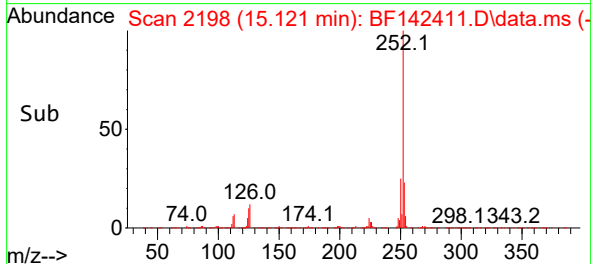
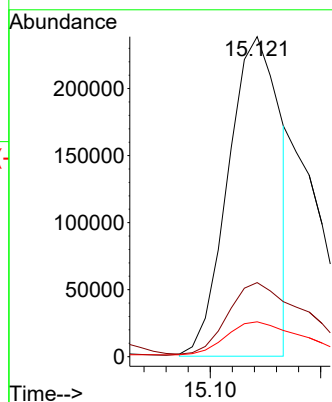
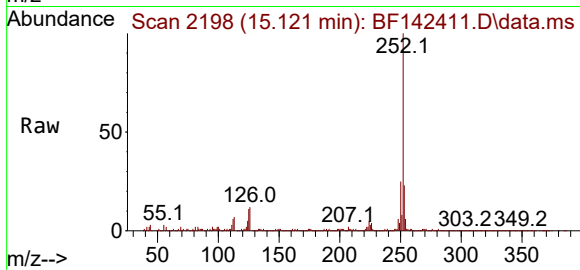
Tgt Ion:252 Resp: 392255

Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

125 10.9 8.7 13.1



#89

Benzo(k)fluoranthene

Concen: 13.048 ng m

RT: 15.133 min Scan# 2200

Delta R.T. -0.024 min

Lab File: BF142411.D

Acq: 16 May 2025 00:28

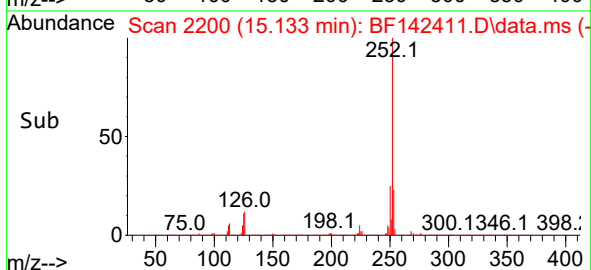
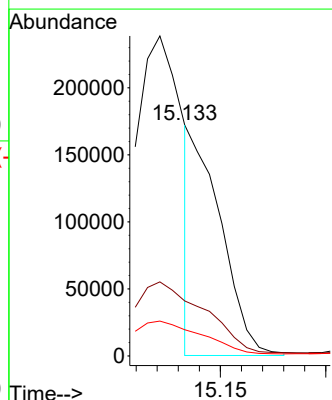
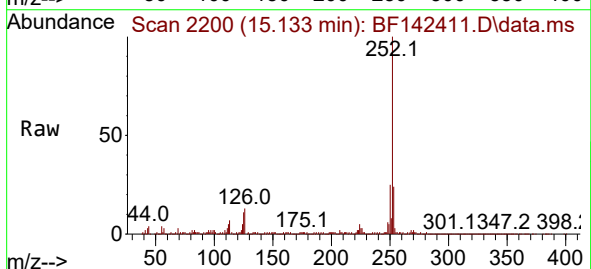
Tgt Ion:252 Resp: 165069

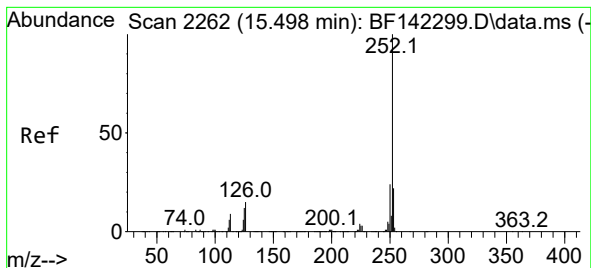
Ion Ratio Lower Upper

252 100

253 23.8 17.6 26.4

125 11.4 8.1 12.1





#90

Benzo(a)pyrene

Concen: 22.868 ng

RT: 15.492 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142411.D

Acq: 16 May 2025 00:28

Instrument :

BNA_F

ClientSampleId :

PL-02-051325

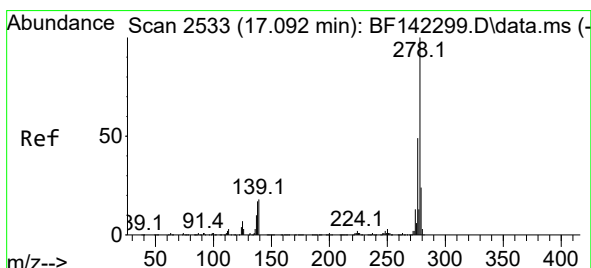
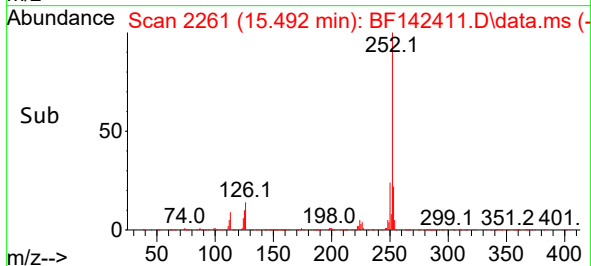
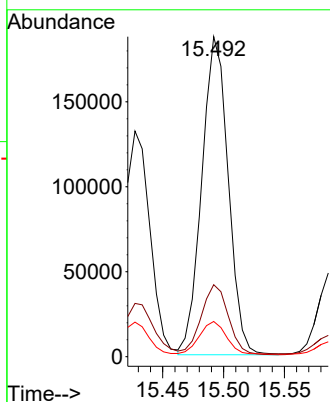
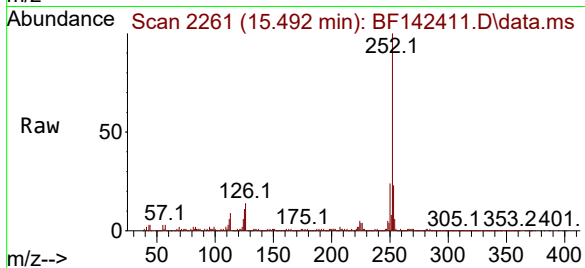
Tgt Ion:252 Resp: 283282

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

125 11.0 9.4 14.0



#91

Dibenzo(a,h)anthracene

Concen: 3.191 ng

RT: 17.068 min Scan# 2529

Delta R.T. -0.024 min

Lab File: BF142411.D

Acq: 16 May 2025 00:28

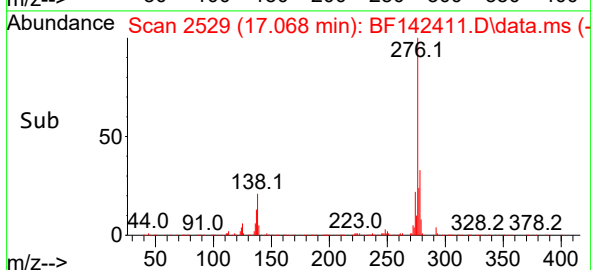
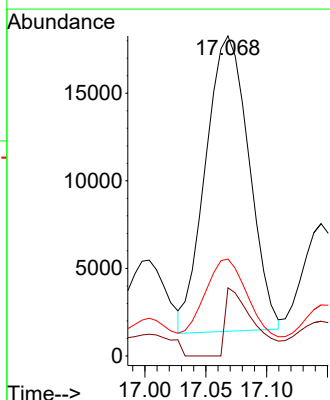
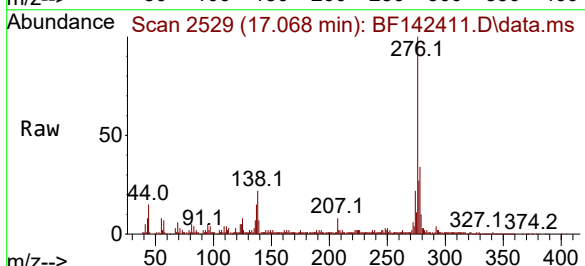
Tgt Ion:278 Resp: 41851

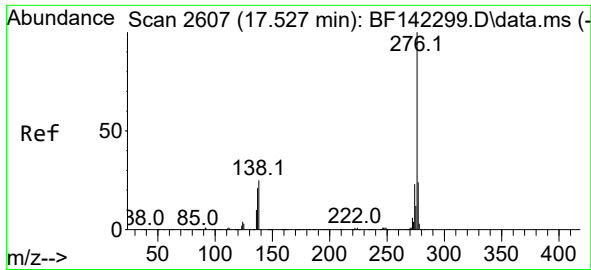
Ion Ratio Lower Upper

278 100

139 21.3 14.5 21.7

279 30.3 18.9 28.3#





#92

Benzo(g,h,i)perylene

Concen: 13.080 ng

RT: 17.509 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF142411.D

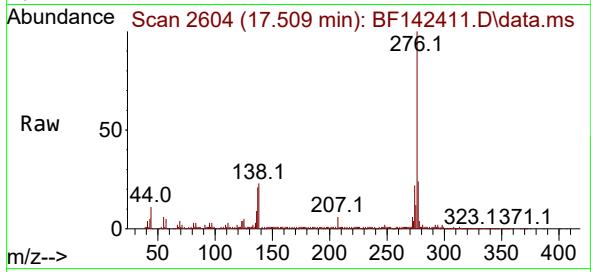
Acq: 16 May 2025 00:28

Instrument :

BNA_F

ClientSampleId :

PL-02-051325



Tgt Ion:276 Resp: 170292

Ion Ratio Lower Upper

276 100

277 23.6 19.0 28.6

138 22.5 19.8 29.6

