

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
 Data File : BF142515.D
 Acq On : 22 May 2025 17:32
 Operator : RC/JU
 Sample : Q2074-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-40

Quant Time: May 23 01:22:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

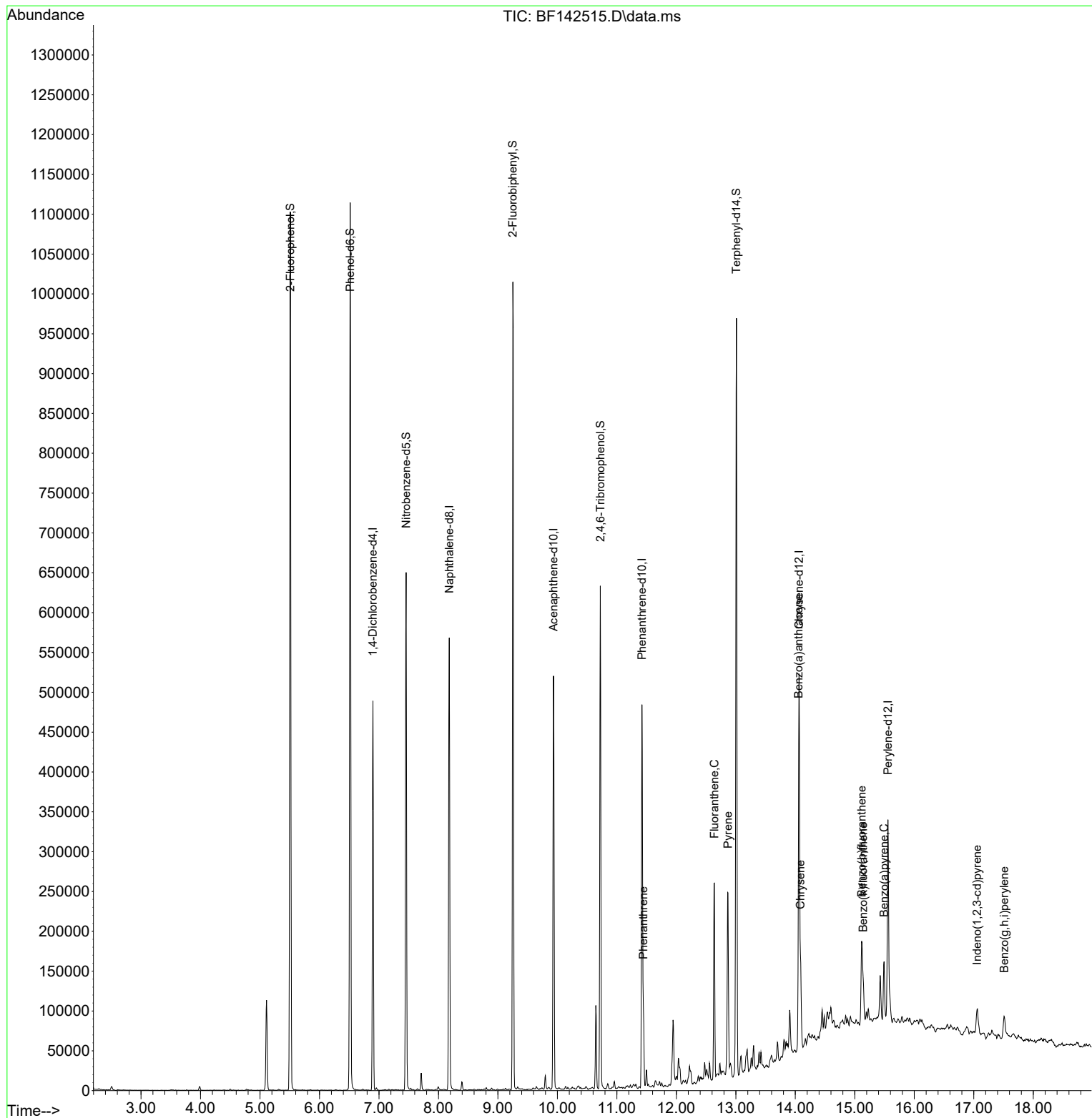
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	105109	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	356070	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	155651	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	248584	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	190159	20.000	ng	-0.01
86) Perylene-d12	15.557	264	152099	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	414930	66.508	ng	0.00
7) Phenol-d6	6.516	99	503390	67.029	ng	-0.02
23) Nitrobenzene-d5	7.457	82	267452	40.958	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	105901	61.302	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	459619	39.624	ng	-0.02
79) Terphenyl-d14	13.010	244	460591	33.100	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.445	178	50563	3.806	ng	99
75) Fluoranthene	12.639	202	145071	11.687	ng	99
78) Pyrene	12.869	202	141308	7.966	ng	99
81) Benzo(a)anthracene	14.057	228	60130m	4.735	ng	
83) Chrysene	14.086	228	60922m	5.339	ng	
87) Indeno(1,2,3-cd)pyrene	17.057	276	26567	2.327	ng	96
88) Benzo(b)fluoranthene	15.116	252	77029m	8.557	ng	
89) Benzo(k)fluoranthene	15.139	252	17854m	2.118	ng	
90) Benzo(a)pyrene	15.492	252	45711	5.387	ng	97
92) Benzo(g,h,i)perylene	17.515	276	26352	2.845	ng	95

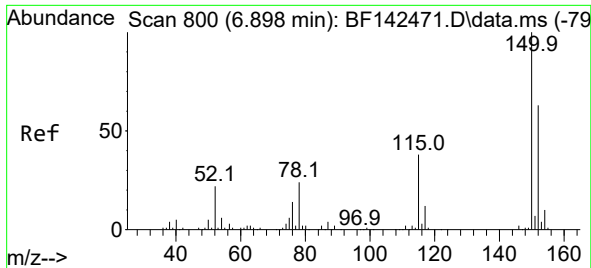
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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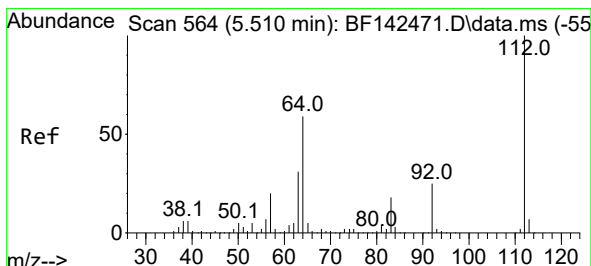
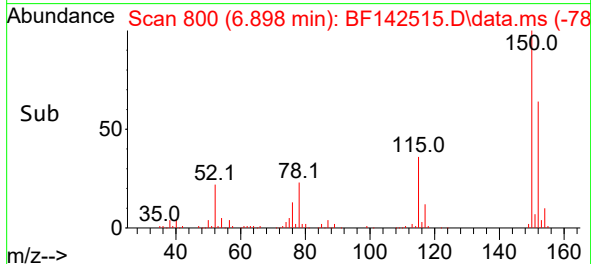
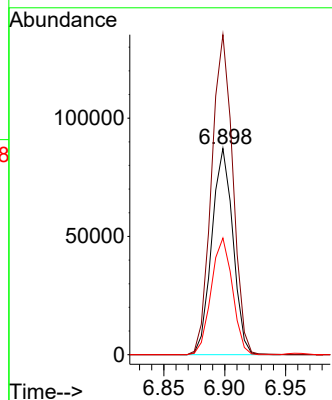
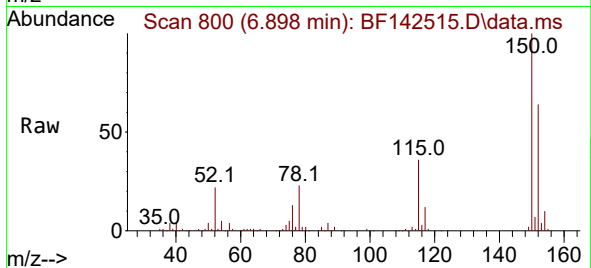




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142515.D
Acq: 22 May 2025 17:32

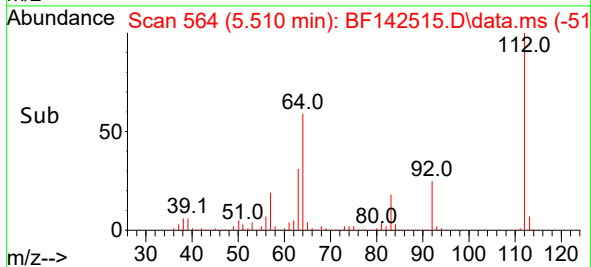
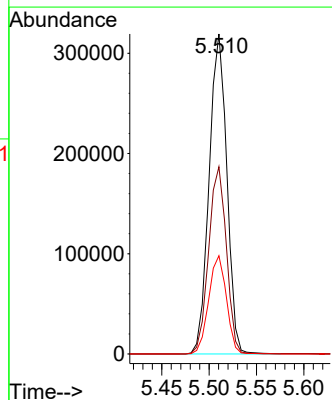
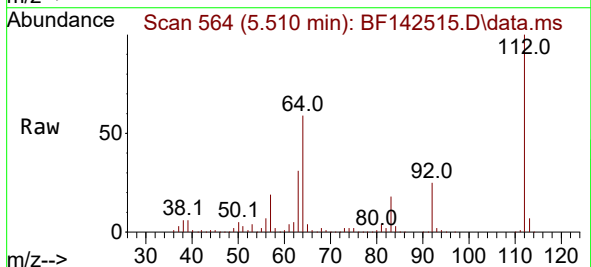
Instrument :
BNA_F
ClientSampleId :
TP-40

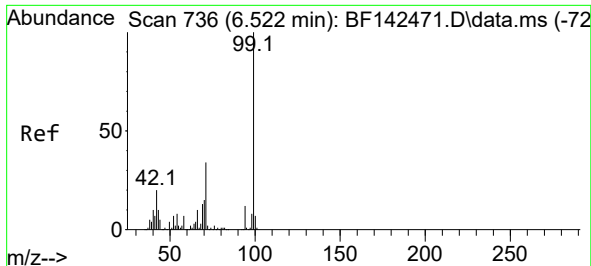
Tgt Ion:152 Resp: 105109
Ion Ratio Lower Upper
152 100
150 155.2 128.2 192.4
115 56.6 48.3 72.5



#5
2-Fluorophenol
Concen: 66.508 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142515.D
Acq: 22 May 2025 17:32

Tgt Ion:112 Resp: 414930
Ion Ratio Lower Upper
112 100
64 58.5 47.5 71.3
63 30.7 24.9 37.3

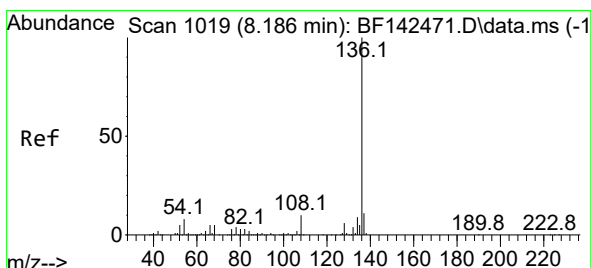
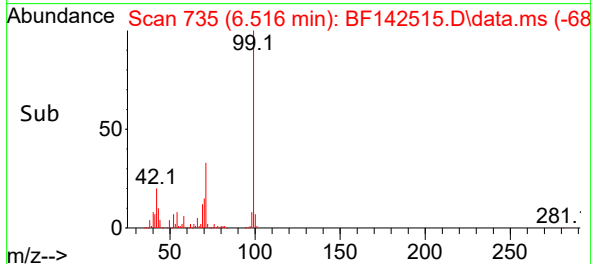
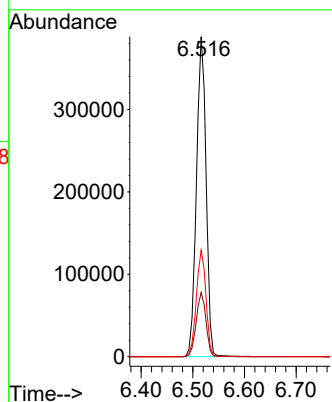
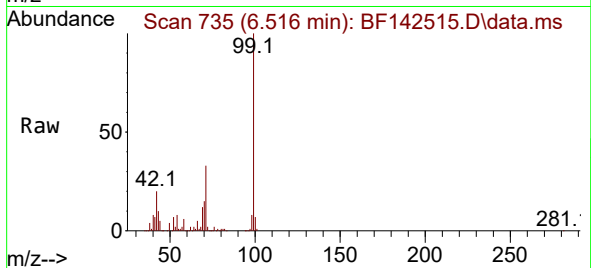




#7
Phenol-d6
Concen: 67.029 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF142515.D
Acq: 22 May 2025 17:32

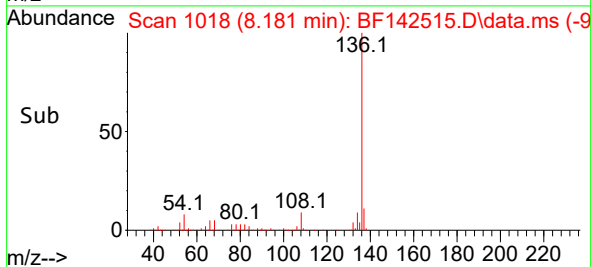
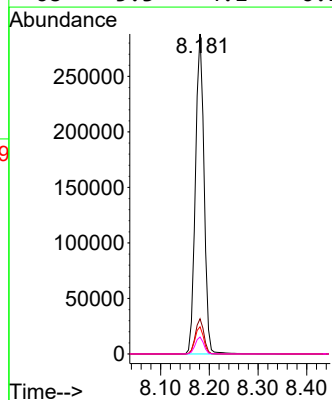
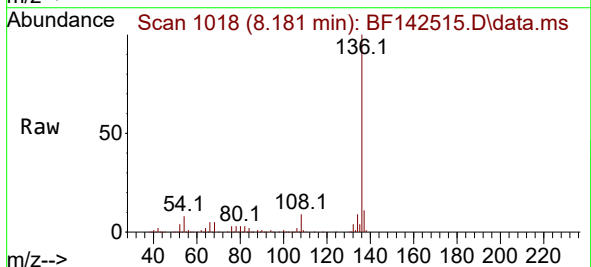
Instrument :
BNA_F
ClientSampleId :
TP-40

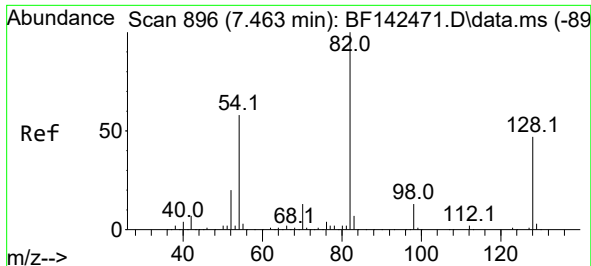
Tgt Ion: 99 Resp: 503390
Ion Ratio Lower Upper
99 100
42 20.0 16.2 24.2
71 33.3 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142515.D
Acq: 22 May 2025 17:32

Tgt Ion: 136 Resp: 356070
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.5 6.6 10.0
68 5.3 4.1 6.1





#23

Nitrobenzene-d5

Concen: 40.958 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.017 min

Lab File: BF142515.D

Acq: 22 May 2025 17:32

Instrument :

BNA_F

ClientSampleId :

TP-40

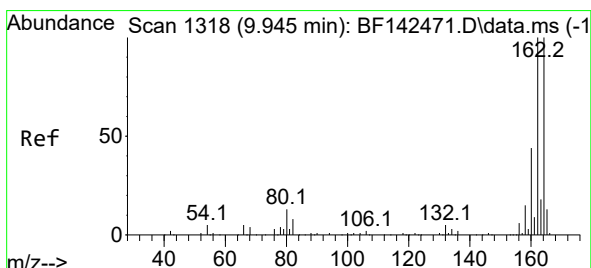
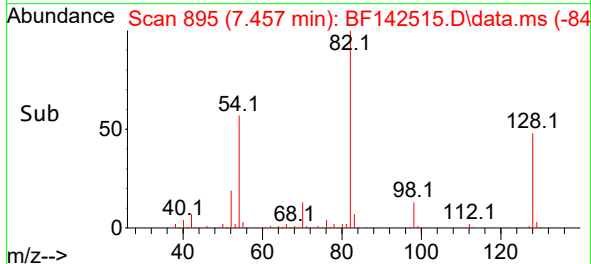
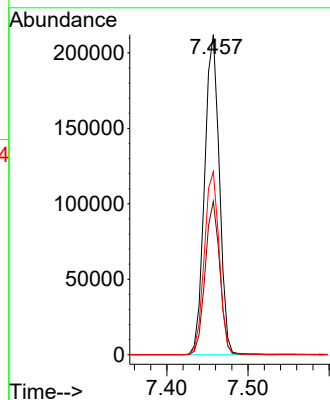
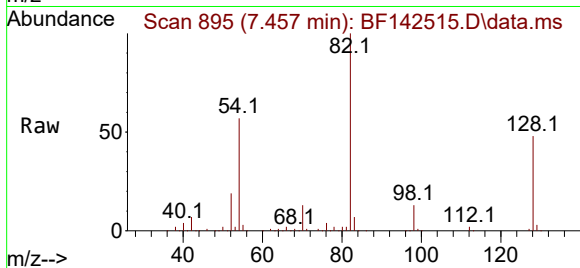
Tgt Ion: 82 Resp: 267452

Ion Ratio Lower Upper

82 100

128 47.9 37.4 56.2

54 57.2 46.6 70.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.934 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF142515.D

Acq: 22 May 2025 17:32

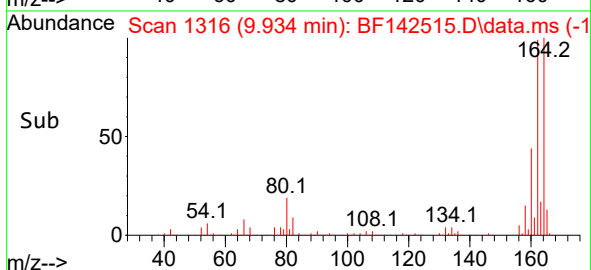
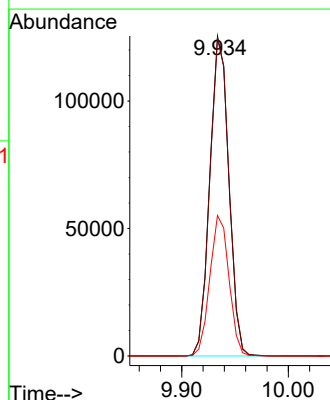
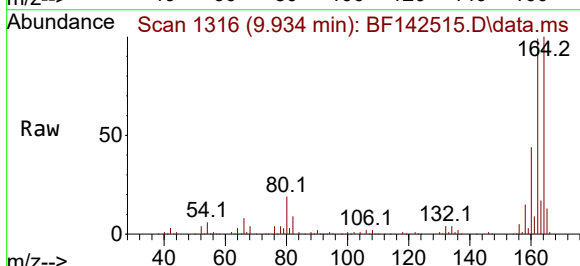
Tgt Ion:164 Resp: 155651

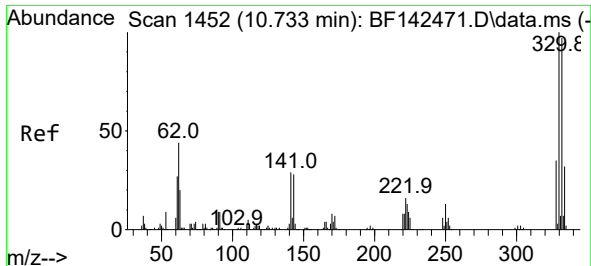
Ion Ratio Lower Upper

164 100

162 99.2 80.2 120.4

160 43.9 35.6 53.4

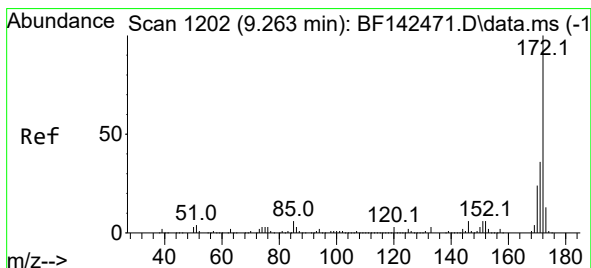
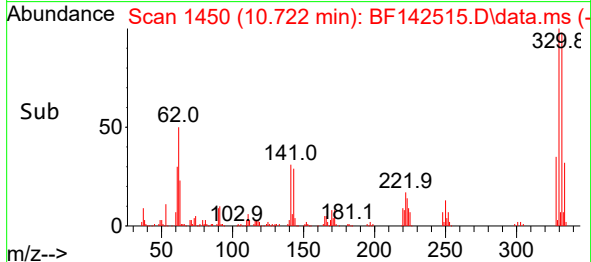
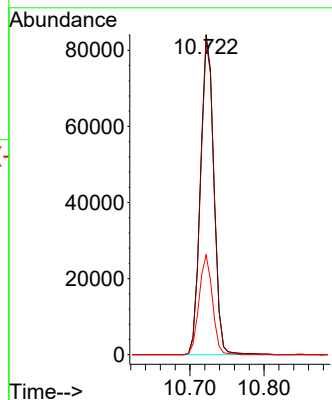
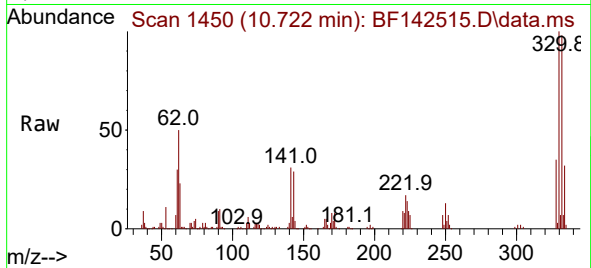




#42
2,4,6-Tribromophenol
Concen: 61.302 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.017 min
Lab File: BF142515.D
Acq: 22 May 2025 17:32

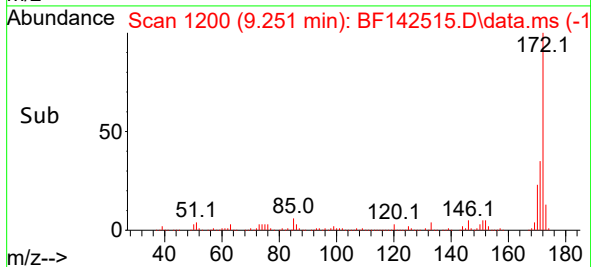
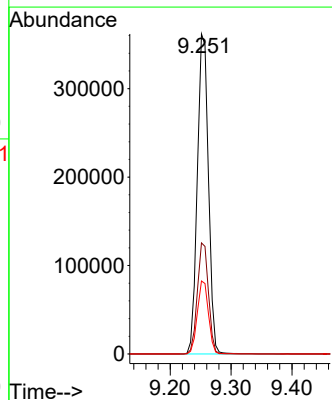
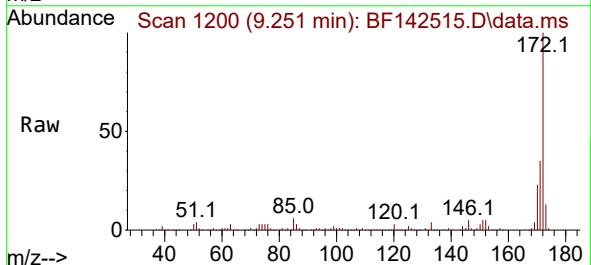
Instrument :
BNA_F
ClientSampleId :
TP-40

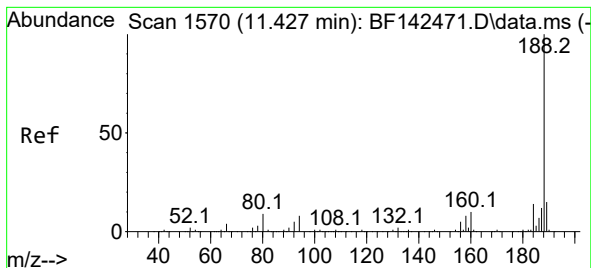
Tgt Ion:330 Resp: 105901
Ion Ratio Lower Upper
330 100
332 98.0 77.6 116.4
141 30.9 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 39.624 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.017 min
Lab File: BF142515.D
Acq: 22 May 2025 17:32

Tgt Ion:172 Resp: 459619
Ion Ratio Lower Upper
172 100
171 34.7 28.6 42.8
170 22.8 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1569

Delta R.T. -0.012 min

Lab File: BF142515.D

Acq: 22 May 2025 17:32

Instrument :

BNA_F

ClientSampleId :

TP-40

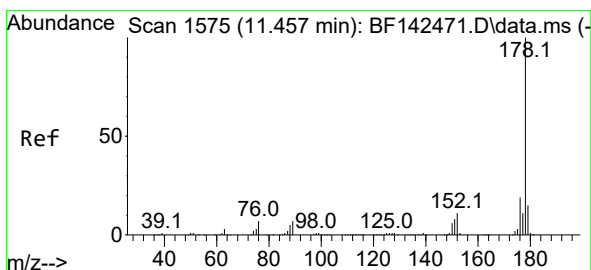
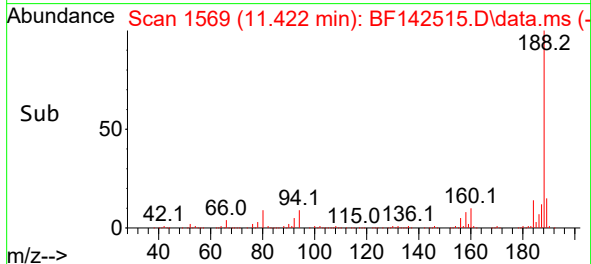
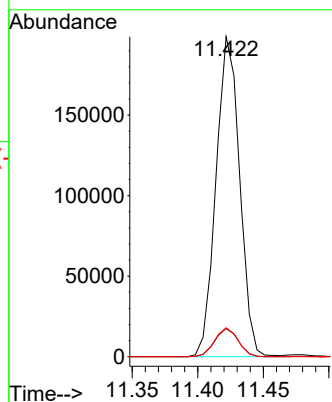
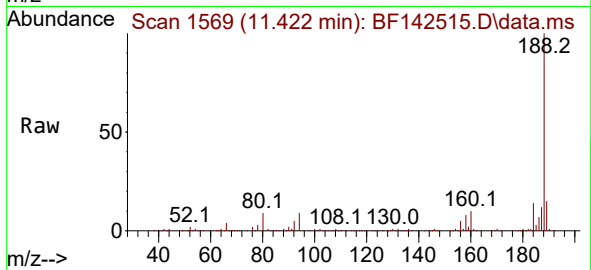
Tgt Ion:188 Resp: 248584

Ion Ratio Lower Upper

188 100

94 8.8 6.6 10.0

80 9.0 7.4 11.0



#71

Phenanthrene

Concen: 3.806 ng

RT: 11.445 min Scan# 1573

Delta R.T. -0.012 min

Lab File: BF142515.D

Acq: 22 May 2025 17:32

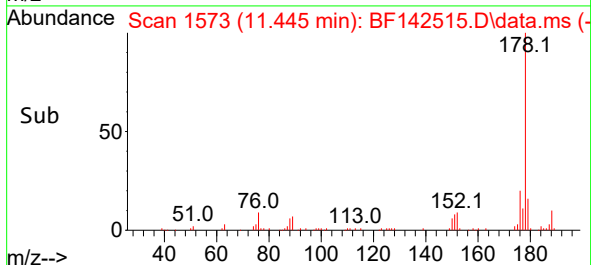
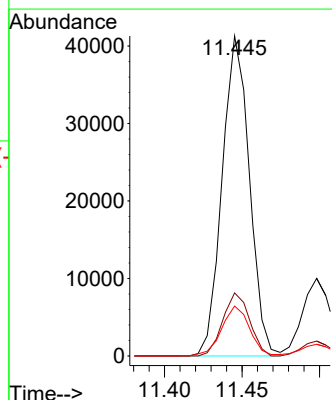
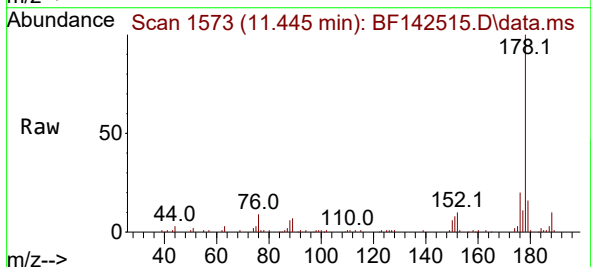
Tgt Ion:178 Resp: 50563

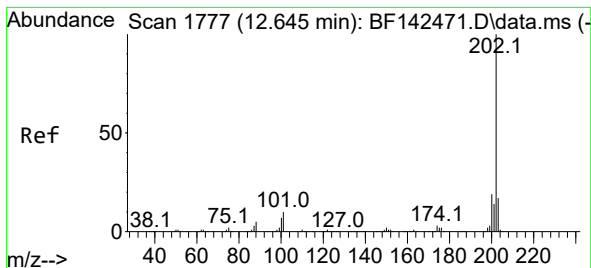
Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.0

179 15.6 12.3 18.5





#75

Fluoranthene

Concen: 11.687 ng

RT: 12.639 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142515.D

Acq: 22 May 2025 17:32

Instrument :

BNA_F

ClientSampleId :

TP-40

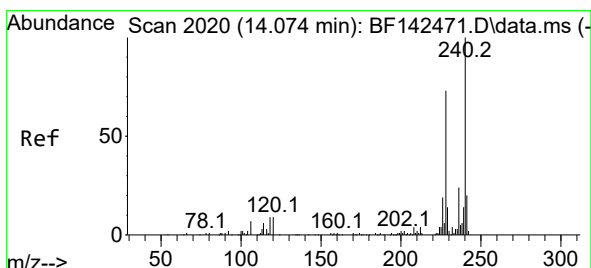
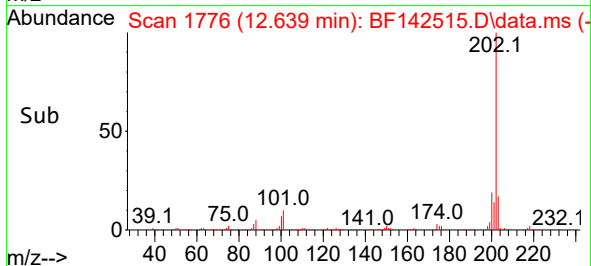
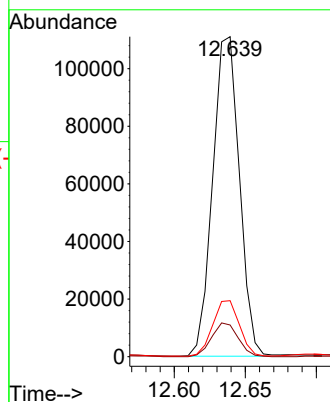
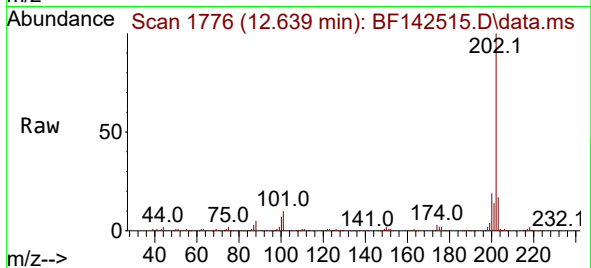
Tgt Ion:202 Resp: 145071

Ion Ratio Lower Upper

202 100

101 9.9 0.0 29.6

203 17.5 0.0 37.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF142515.D

Acq: 22 May 2025 17:32

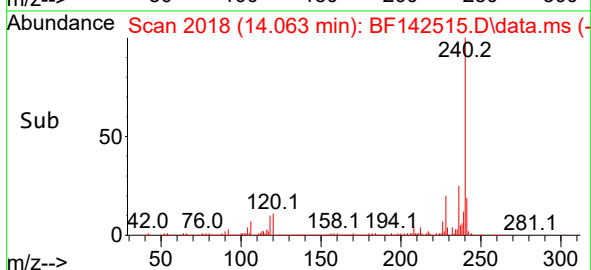
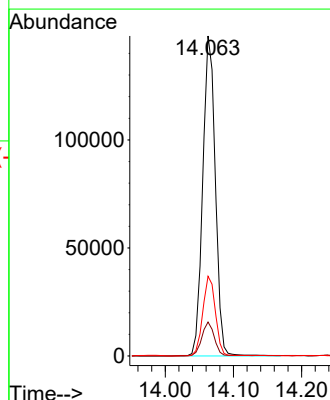
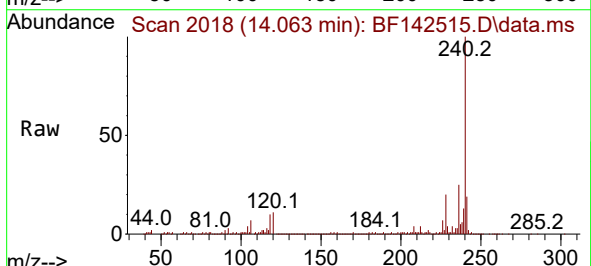
Tgt Ion:240 Resp: 190159

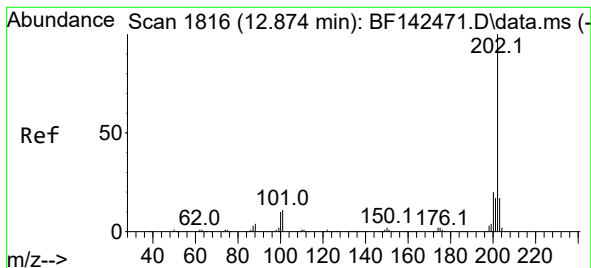
Ion Ratio Lower Upper

240 100

120 10.6 7.5 11.3

236 24.9 19.6 29.4





#78

Pyrene

Concen: 7.966 ng

RT: 12.869 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF142515.D

Acq: 22 May 2025 17:32

Instrument :

BNA_F

ClientSampleId :

TP-40

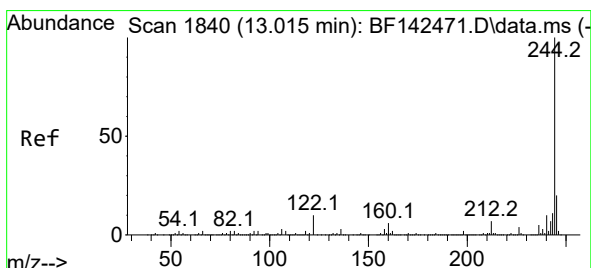
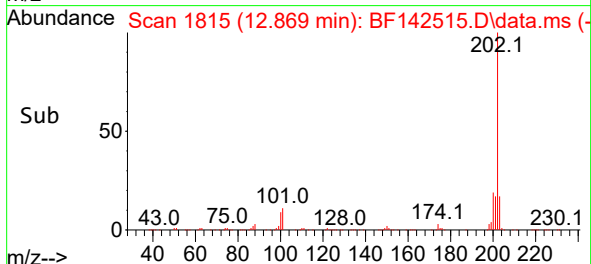
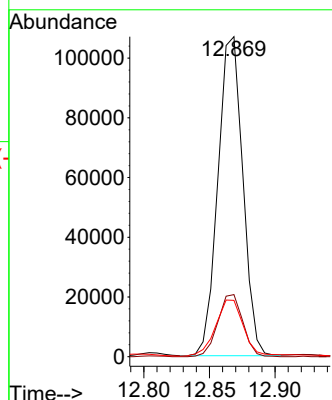
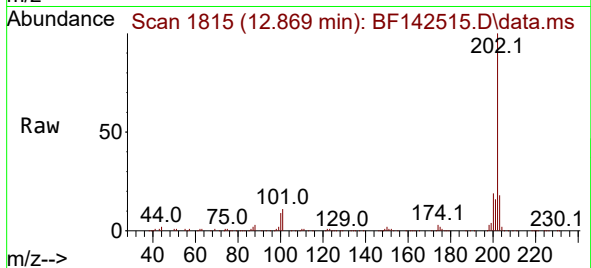
Tgt Ion:202 Resp: 141308

Ion Ratio Lower Upper

202 100

200 19.4 16.1 24.1

203 17.6 13.9 20.9



#79

Terphenyl-d14

Concen: 33.100 ng

RT: 13.010 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF142515.D

Acq: 22 May 2025 17:32

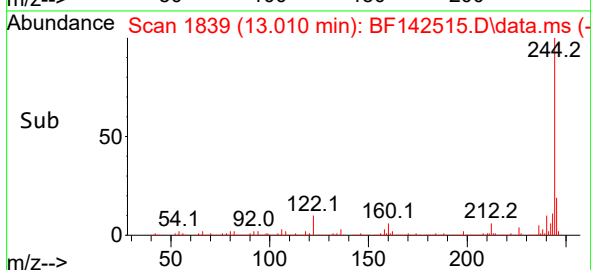
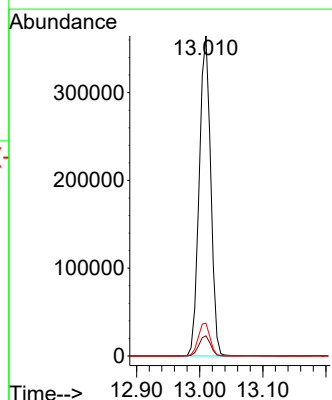
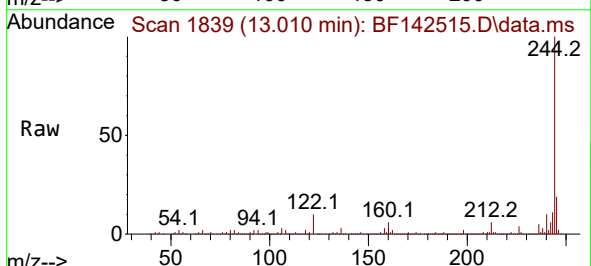
Tgt Ion:244 Resp: 460591

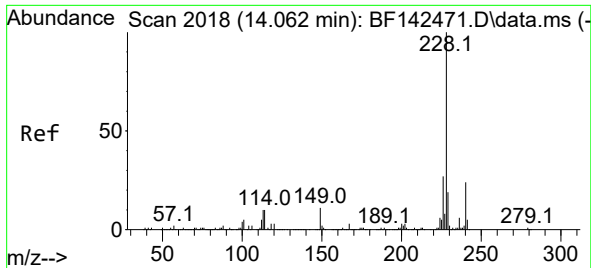
Ion Ratio Lower Upper

244 100

212 6.3 5.3 7.9

122 10.2 8.2 12.2

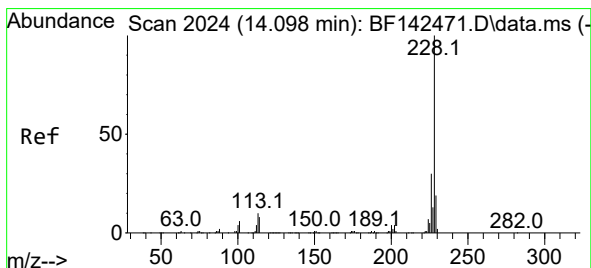
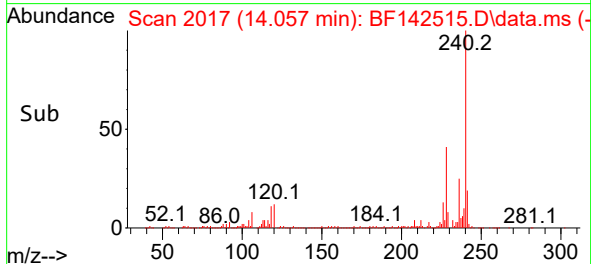
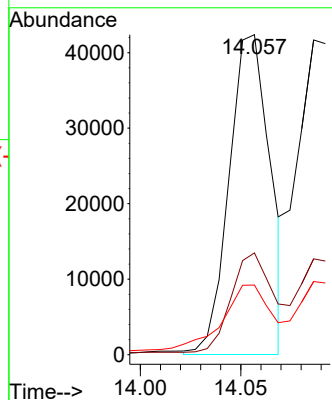
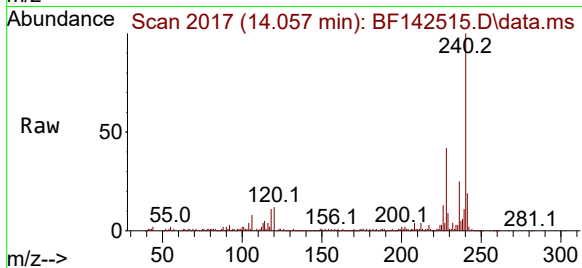




#81
Benzo(a)anthracene
Concen: 4.735 ng m
RT: 14.057 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF142515.D
Acq: 22 May 2025 17:32

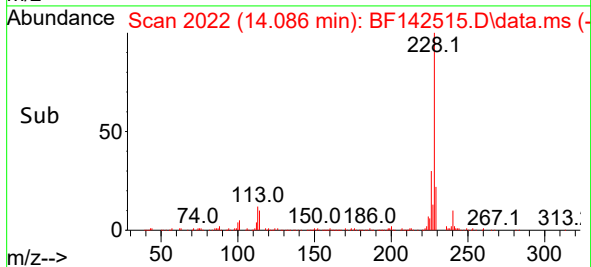
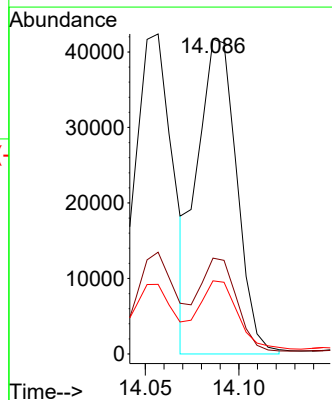
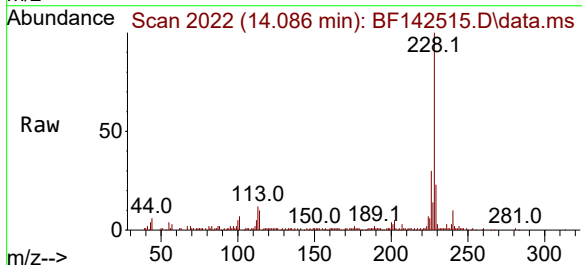
Instrument :
BNA_F
ClientSampleId :
TP-40

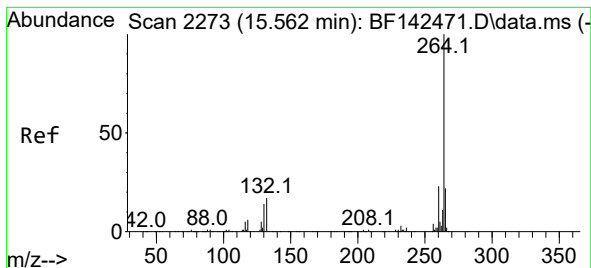
Tgt Ion:228 Resp: 60130
Ion Ratio Lower Upper
228 100
226 31.8 21.2 31.8#
229 21.7 15.5 23.3



#83
Chrysene
Concen: 5.339 ng m
RT: 14.086 min Scan# 2022
Delta R.T. -0.017 min
Lab File: BF142515.D
Acq: 22 May 2025 17:32

Tgt Ion:228 Resp: 60922
Ion Ratio Lower Upper
228 100
226 30.5 23.8 35.6
229 23.2 15.4 23.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF142515.D

Acq: 22 May 2025 17:32

Instrument :

BNA_F

ClientSampleId :

TP-40

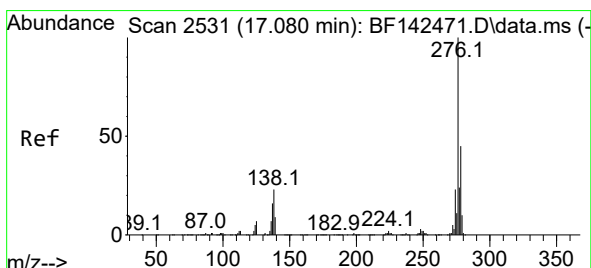
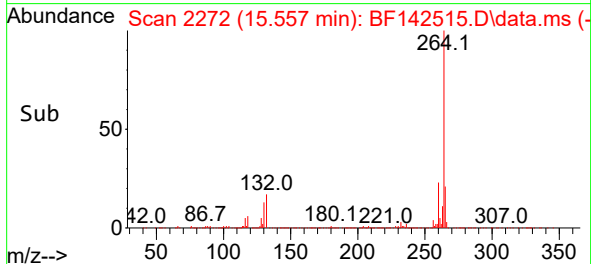
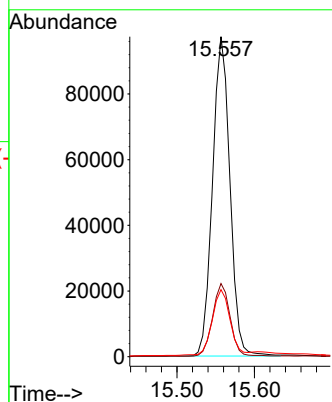
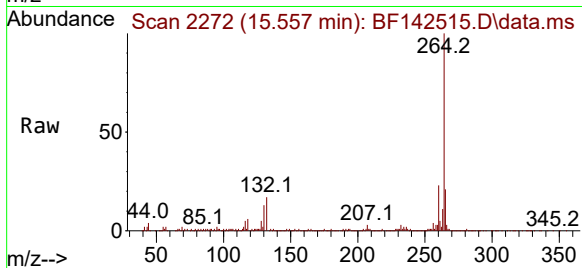
Tgt Ion:264 Resp: 152099

Ion Ratio Lower Upper

264 100

260 22.8 18.6 28.0

265 21.0 17.7 26.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.327 ng

RT: 17.057 min Scan# 2527

Delta R.T. -0.035 min

Lab File: BF142515.D

Acq: 22 May 2025 17:32

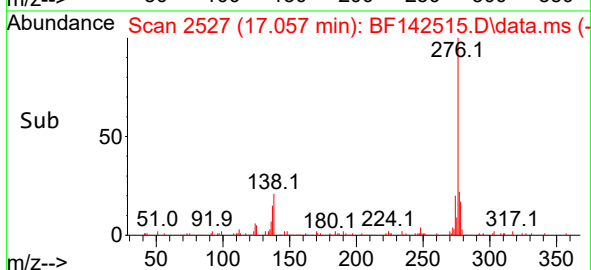
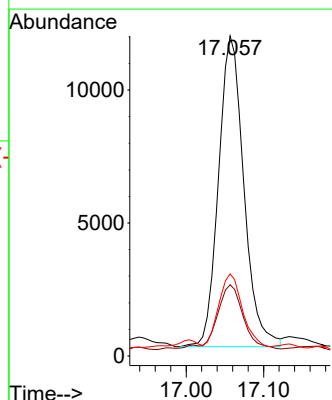
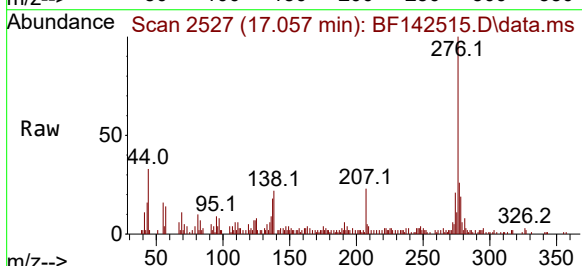
Tgt Ion:276 Resp: 26567

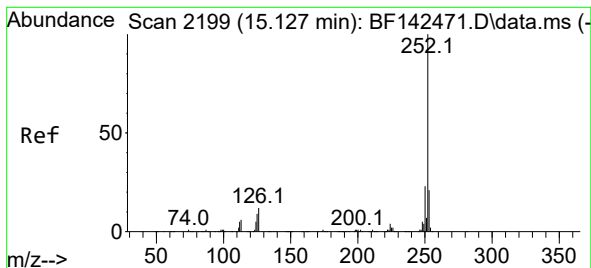
Ion Ratio Lower Upper

276 100

138 22.9 19.9 29.9

277 23.2 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 8.557 ng m

RT: 15.116 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF142515.D

Acq: 22 May 2025 17:32

Instrument :

BNA_F

ClientSampleId :

TP-40

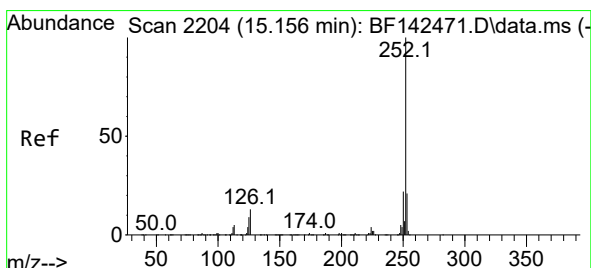
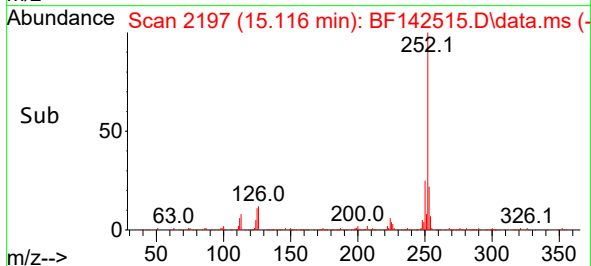
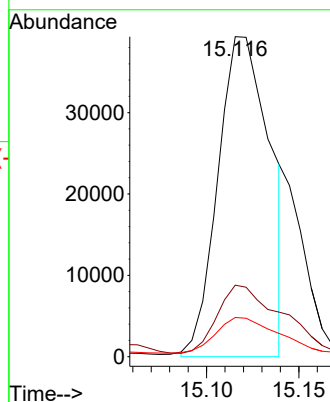
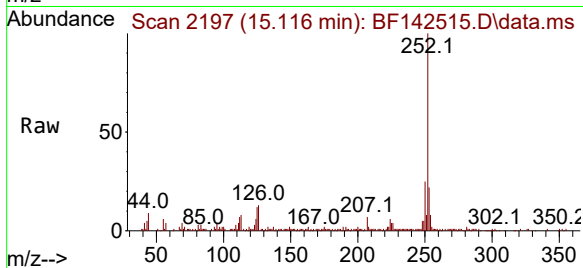
Tgt Ion:252 Resp: 77029

Ion Ratio Lower Upper

252 100

253 22.3 17.0 25.4

125 12.3 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 2.118 ng m

RT: 15.139 min Scan# 2201

Delta R.T. -0.023 min

Lab File: BF142515.D

Acq: 22 May 2025 17:32

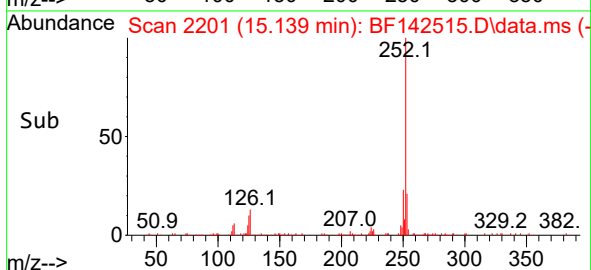
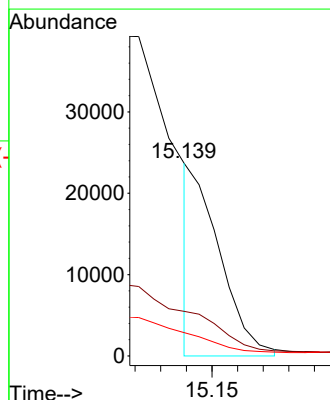
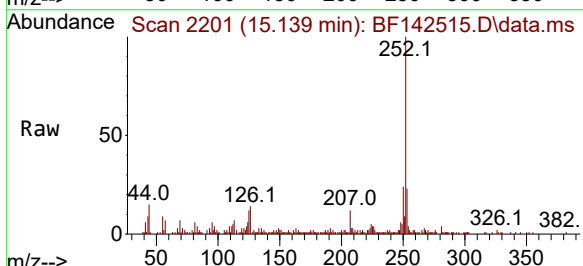
Tgt Ion:252 Resp: 17854

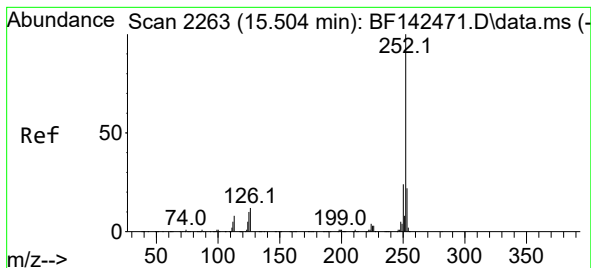
Ion Ratio Lower Upper

252 100

253 23.2 17.0 25.4

125 12.2 7.3 10.9#





#90

Benzo(a)pyrene

Concen: 5.387 ng

RT: 15.492 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF142515.D

Acq: 22 May 2025 17:32

Instrument :

BNA_F

ClientSampleId :

TP-40

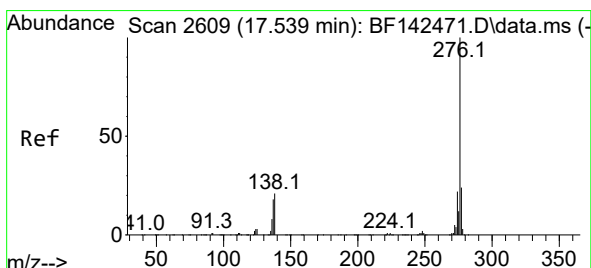
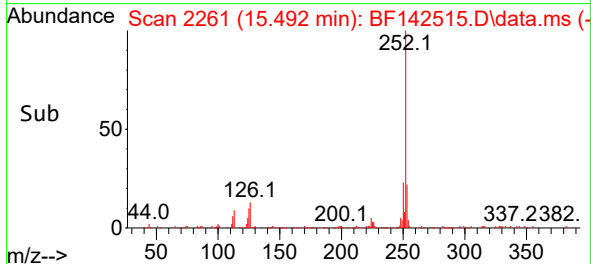
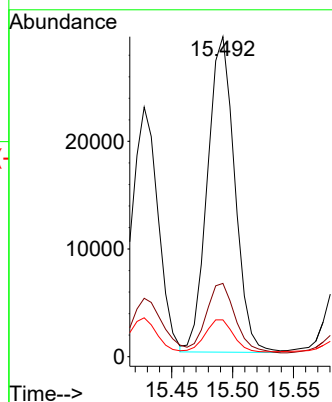
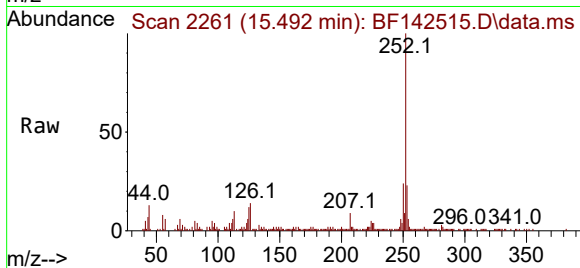
Tgt Ion:252 Resp: 45711

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

125 11.5 7.9 11.9



#92

Benzo(g,h,i)perylene

Concen: 2.845 ng

RT: 17.515 min Scan# 2605

Delta R.T. -0.041 min

Lab File: BF142515.D

Acq: 22 May 2025 17:32

Tgt Ion:276 Resp: 26352

Ion Ratio Lower Upper

276 100

277 26.0 19.2 28.8

138 23.5 16.8 25.2

