

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
 Data File : BF142413.D
 Acq On : 16 May 2025 01:27
 Operator : RC/JU
 Sample : Q1982-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Time: May 16 03:12:02 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)

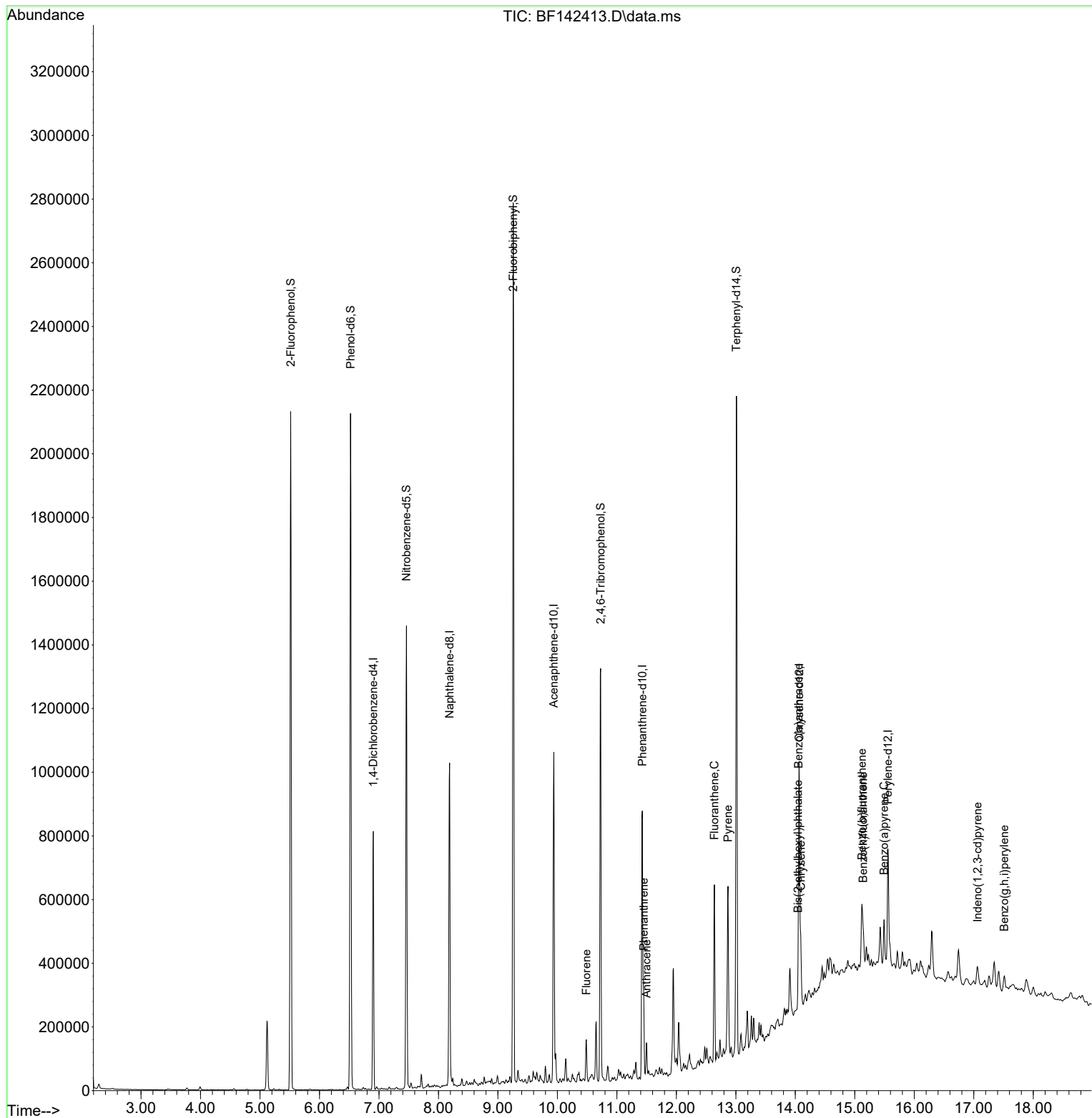
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	176019	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	648776	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	308965	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	449574	20.000	ng	0.00
76) Chrysene-d12	14.068	240	299172	20.000	ng	0.00
86) Perylene-d12	15.557	264	224973	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	823786	79.893	ng	0.00
7) Phenol-d6	6.522	99	1009749	79.621	ng	0.00
23) Nitrobenzene-d5	7.463	82	604051	56.783	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	237436	79.596	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1218248	56.222	ng	0.00
79) Terphenyl-d14	13.010	244	1012854	50.109	ng	0.00
Target Compounds						Qvalue
58) Fluorene	10.486	166	54944	2.753	ng	96
71) Phenanthrene	11.451	178	142883	6.063	ng	98
72) Anthracene	11.498	178	58980	2.436	ng	99
75) Fluoranthene	12.639	202	315974	13.413	ng	99
78) Pyrene	12.869	202	317180	11.911	ng	99
81) Benzo(a)anthracene	14.057	228	145763	7.523	ng	94
83) Chrysene	14.092	228	120799	6.697	ng	97
84) Bis(2-ethylhexyl)phtha...	14.045	149	5250	4.710	ng	# 78
87) Indeno(1,2,3-cd)pyrene	17.062	276	45586m	2.913	ng	
88) Benzo(b)fluoranthene	15.121	252	135396m	9.937	ng	
89) Benzo(k)fluoranthene	15.139	252	36286m	2.910	ng	
90) Benzo(a)pyrene	15.492	252	90398	7.404	ng	# 96
92) Benzo(g,h,i)perylene	17.515	276	47644	3.713	ng	96

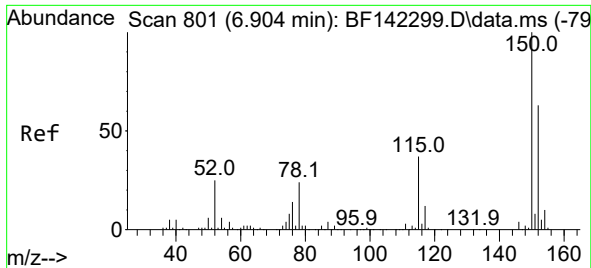
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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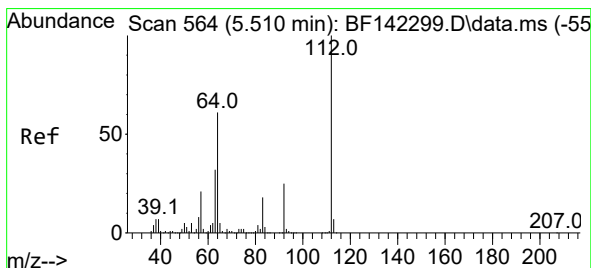
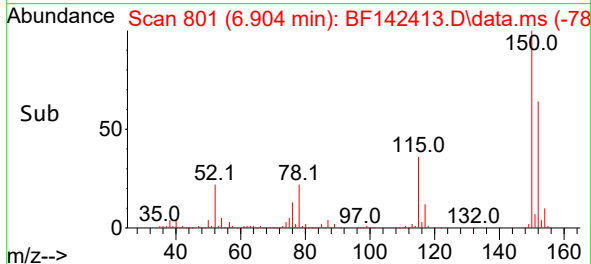
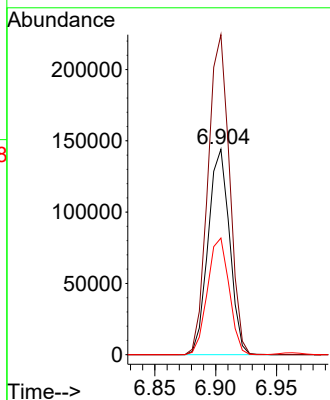
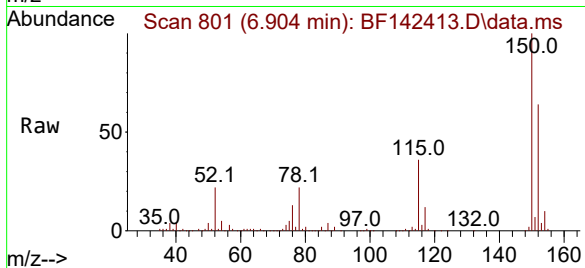




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

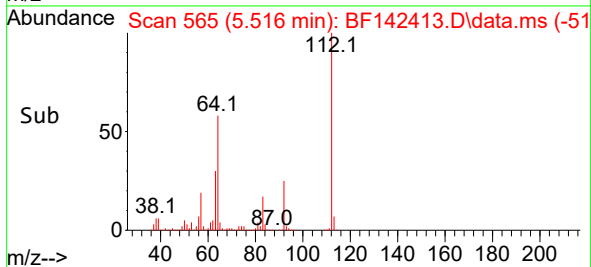
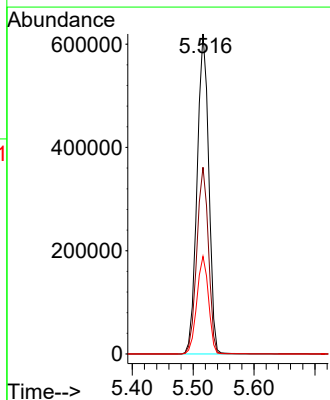
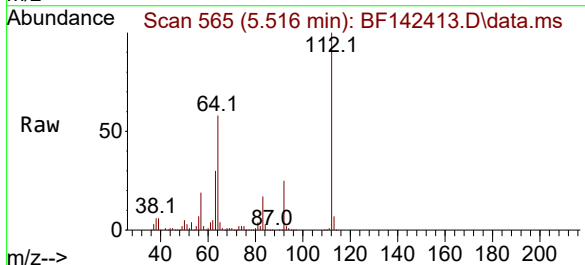
Instrument :
BNA_F
ClientSampleId :
TP-4

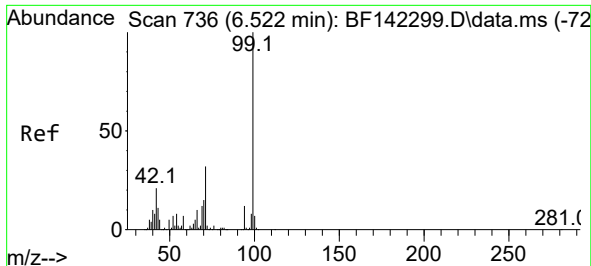
Tgt Ion:152 Resp: 176019
Ion Ratio Lower Upper
152 100
150 155.8 126.6 190.0
115 56.8 47.3 70.9



#5
2-Fluorophenol
Concen: 79.893 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

Tgt Ion:112 Resp: 823786
Ion Ratio Lower Upper
112 100
64 58.3 48.9 73.3
63 30.5 25.6 38.4





#7
Phenol-d6
Concen: 79.621 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

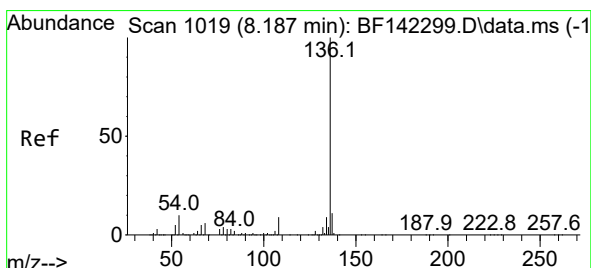
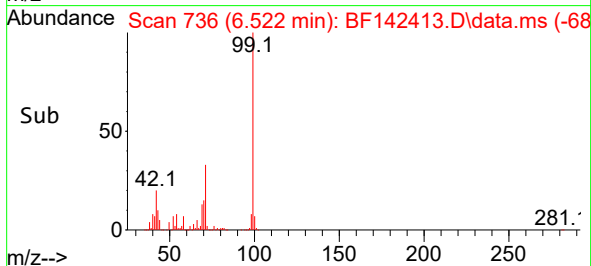
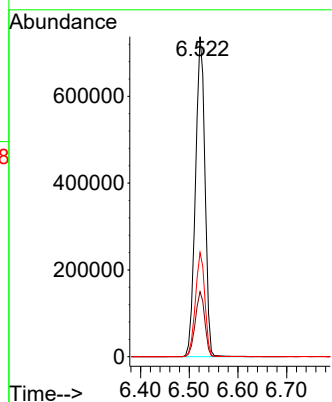
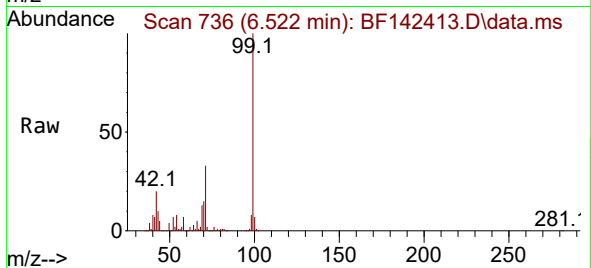
Instrument :

BNA_F

ClientSampleId :

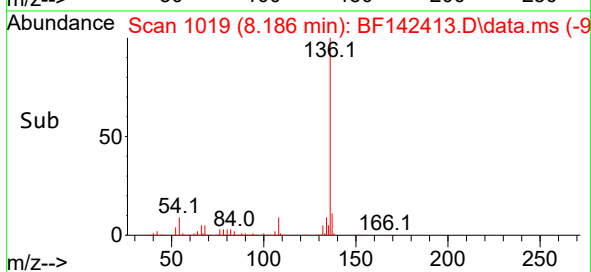
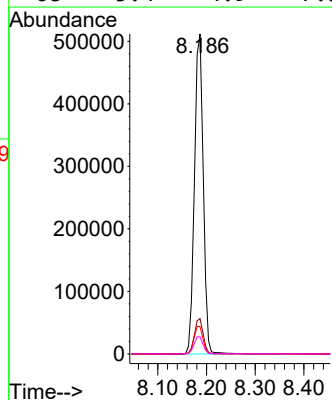
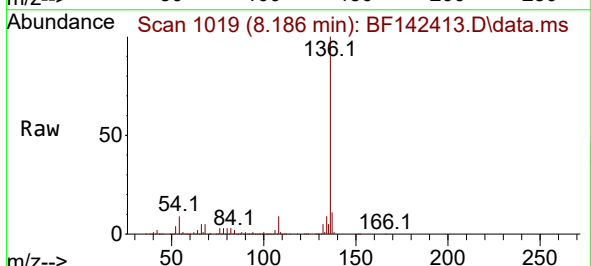
TP-4

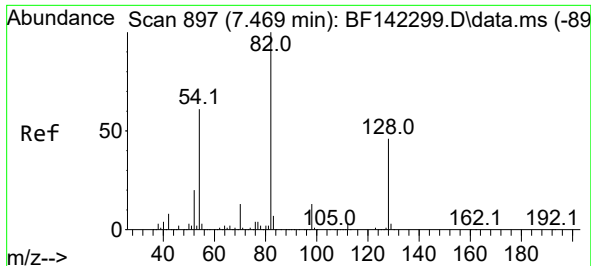
Tgt Ion: 99 Resp: 1009749
Ion Ratio Lower Upper
99 100
42 20.3 17.0 25.4
71 32.6 25.8 38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

Tgt Ion: 136 Resp: 648776
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 8.6 7.7 11.5
68 5.4 4.9 7.3





#23

Nitrobenzene-d5

Concen: 56.783 ng

RT: 7.463 min Scan# 897

Delta R.T. -0.006 min

Lab File: BF142413.D

Acq: 16 May 2025 01:27

Instrument :

BNA_F

ClientSampleId :

TP-4

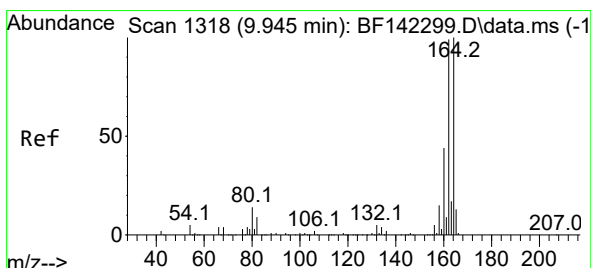
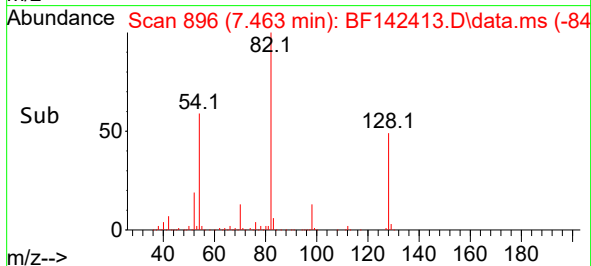
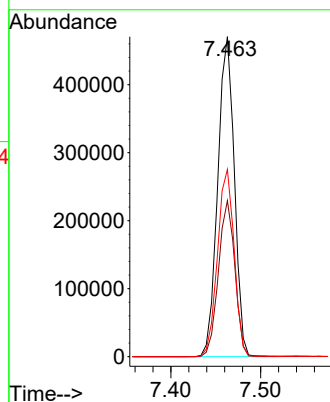
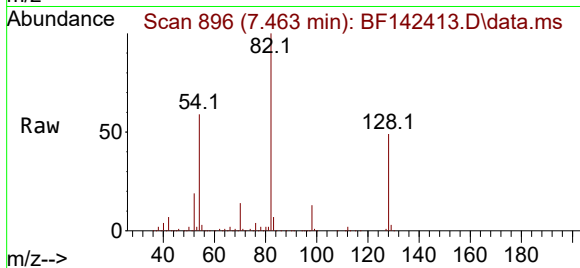
Tgt Ion: 82 Resp: 604051

Ion Ratio Lower Upper

82 100

128 48.7 37.0 55.6

54 58.5 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: BF142413.D

Acq: 16 May 2025 01:27

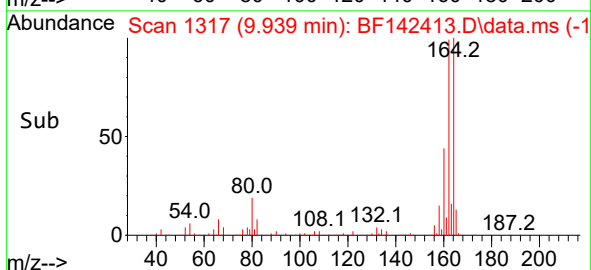
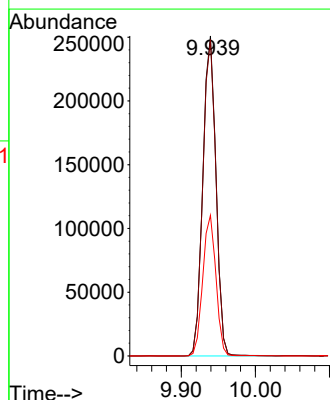
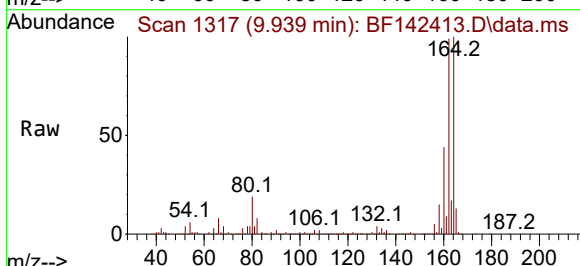
Tgt Ion: 164 Resp: 308965

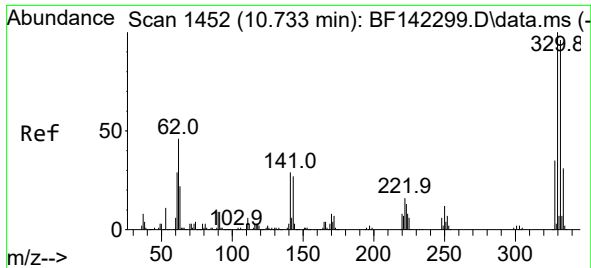
Ion Ratio Lower Upper

164 100

162 98.8 79.2 118.8

160 43.9 35.3 52.9

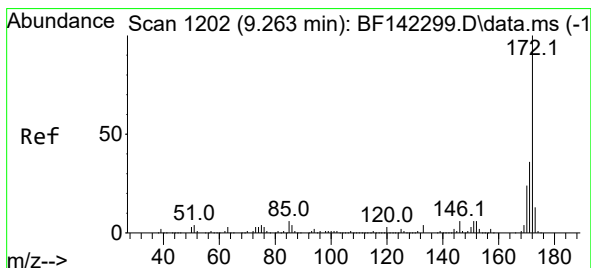
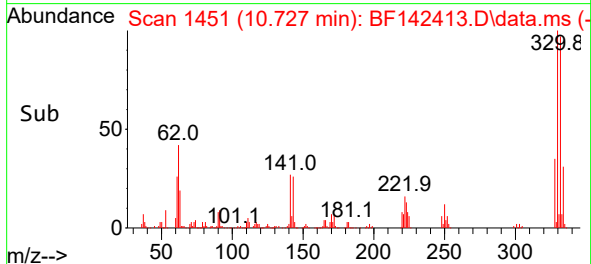
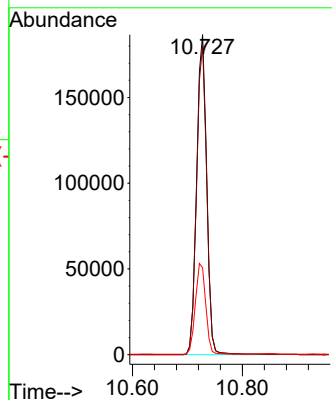
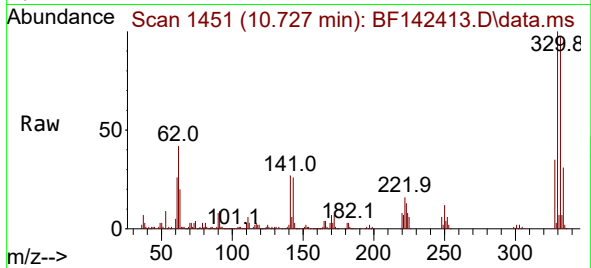




#42
2,4,6-Tribromophenol
Concen: 79.596 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

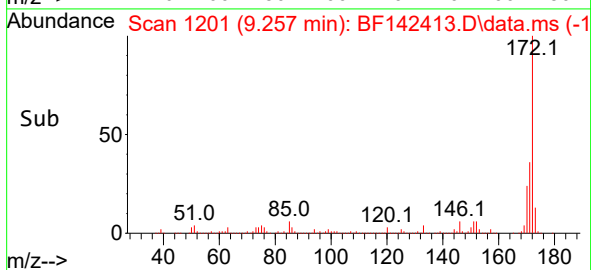
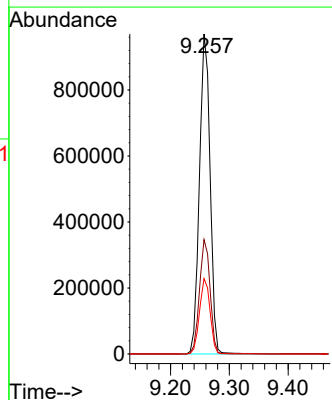
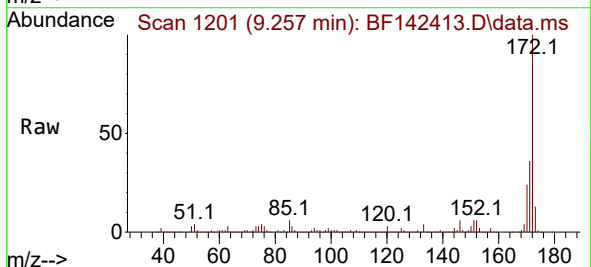
Instrument :
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ClientSampleId :
TP-4

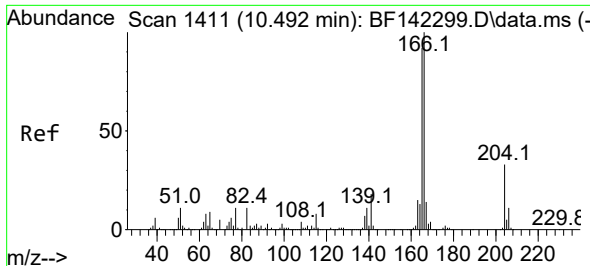
Tgt Ion: 330 Resp: 237436
Ion Ratio Lower Upper
330 100
332 96.7 76.8 115.2
141 29.0 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 56.222 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

Tgt Ion: 172 Resp: 1218248
Ion Ratio Lower Upper
172 100
171 35.7 28.6 42.8
170 23.6 19.0 28.4

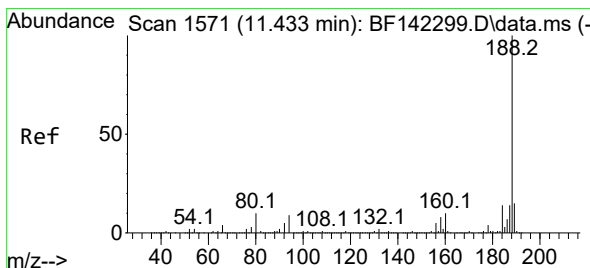
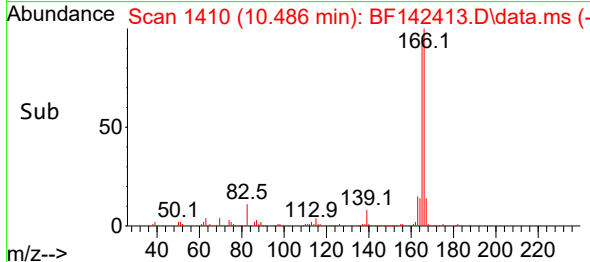
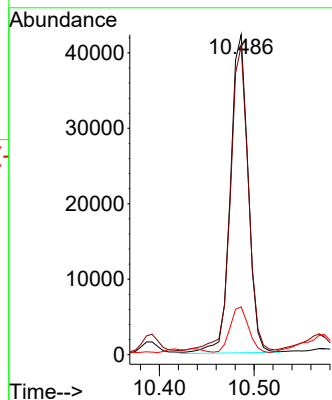
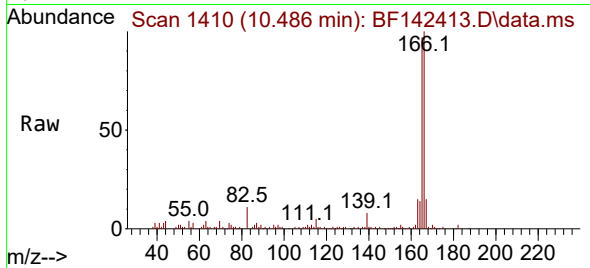




#58
Fluorene
Concen: 2.753 ng
RT: 10.486 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

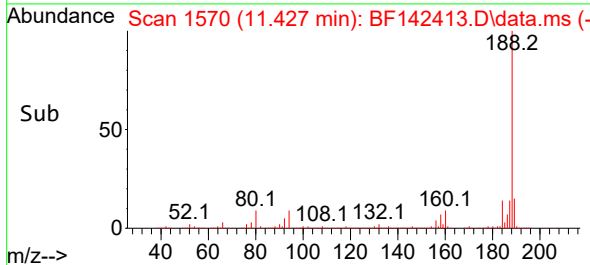
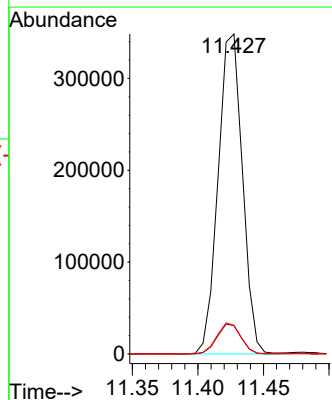
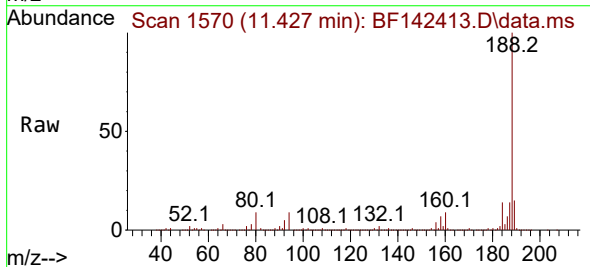
Instrument :
BNA_F
ClientSampleId :
TP-4

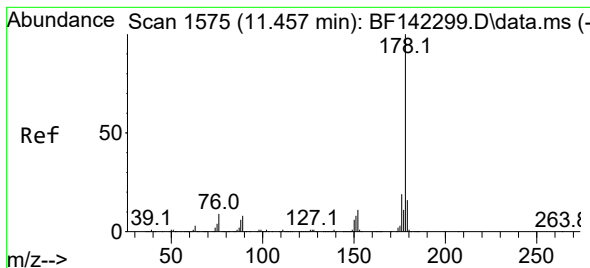
Tgt Ion:166 Resp: 54944
Ion Ratio Lower Upper
166 100
165 96.5 74.0 111.0
167 15.0 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

Tgt Ion:188 Resp: 449574
Ion Ratio Lower Upper
188 100
94 8.9 7.5 11.3
80 8.9 7.9 11.9





#71

Phenanthrene

Concen: 6.063 ng

RT: 11.451 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142413.D

Acq: 16 May 2025 01:27

Instrument :

BNA_F

ClientSampleId :

TP-4

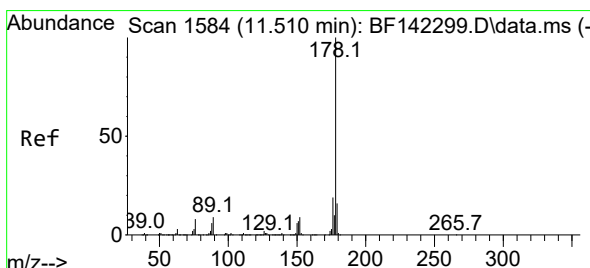
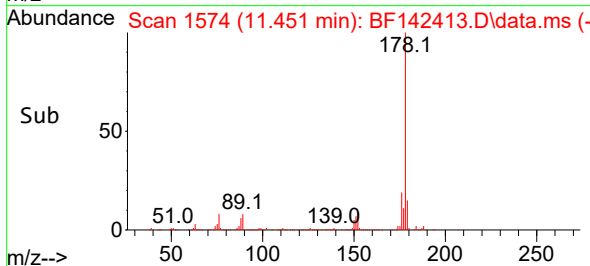
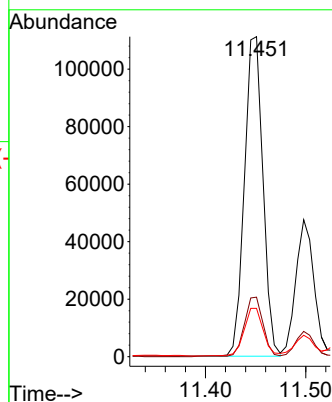
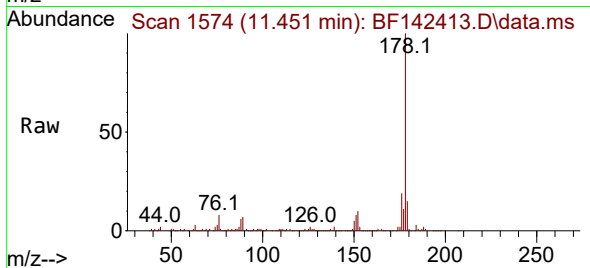
Tgt Ion:178 Resp: 142883

Ion Ratio Lower Upper

178 100

176 18.6 15.5 23.3

179 15.1 12.6 18.8



#72

Anthracene

Concen: 2.436 ng

RT: 11.498 min Scan# 1582

Delta R.T. -0.012 min

Lab File: BF142413.D

Acq: 16 May 2025 01:27

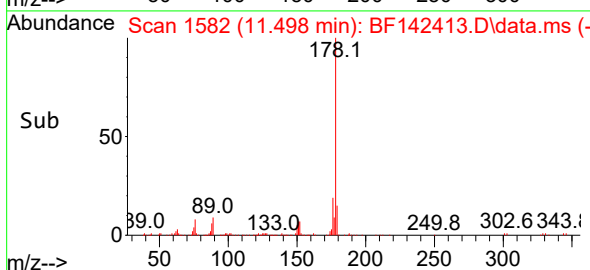
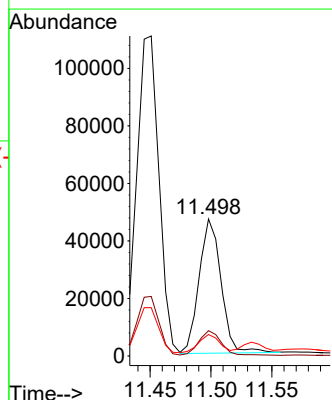
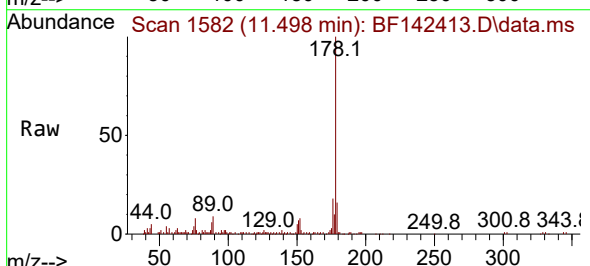
Tgt Ion:178 Resp: 58980

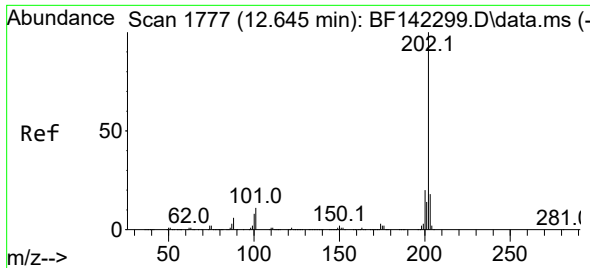
Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

179 15.6 12.6 18.8

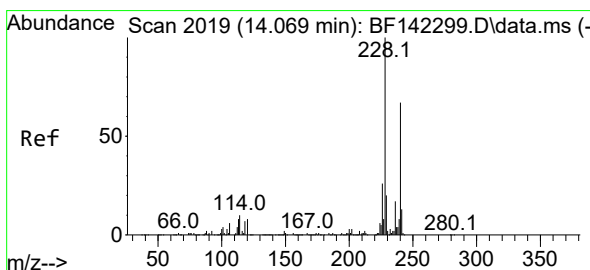
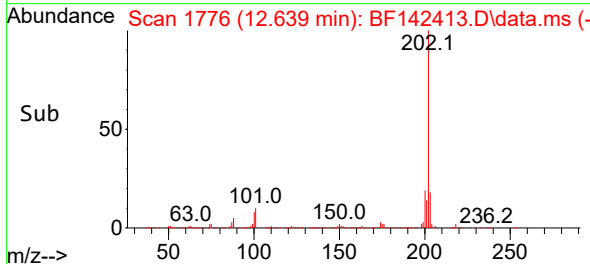
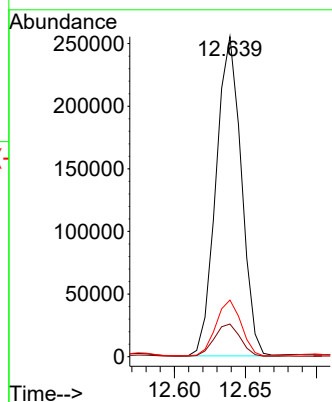
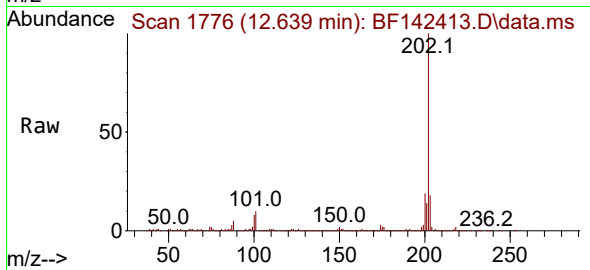




#75
Fluoranthene
Concen: 13.413 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

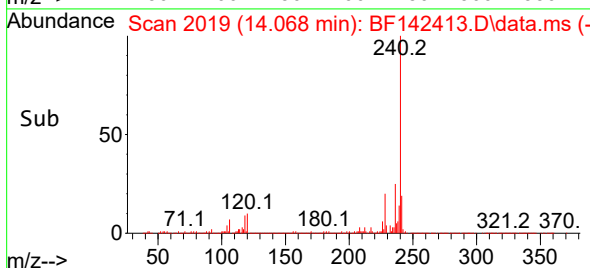
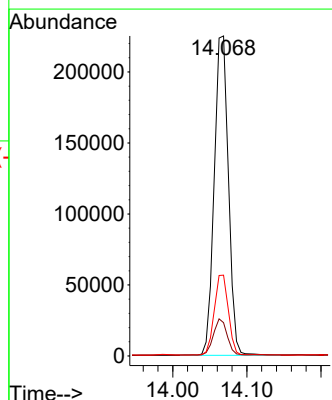
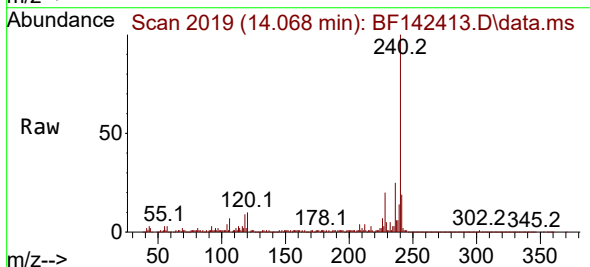
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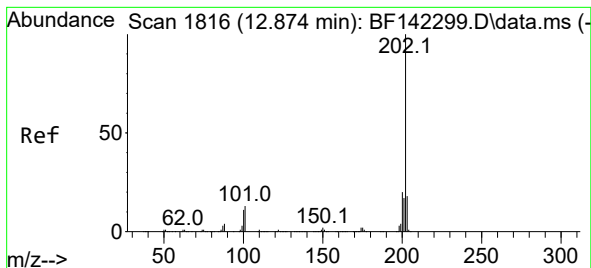
Tgt Ion:202 Resp: 315974
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.4
203 17.7 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

Tgt Ion:240 Resp: 299172
Ion Ratio Lower Upper
240 100
120 10.4 9.7 14.5
236 25.3 20.0 30.0





#78

Pyrene

Concen: 11.911 ng

RT: 12.869 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF142413.D

Acq: 16 May 2025 01:27

Instrument :

BNA_F

ClientSampleId :

TP-4

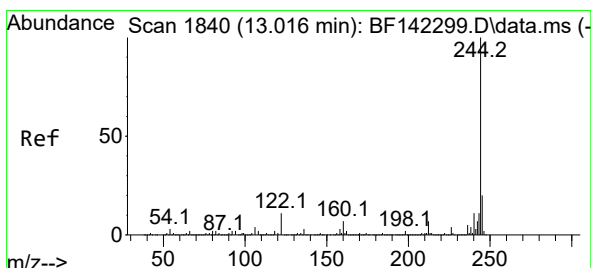
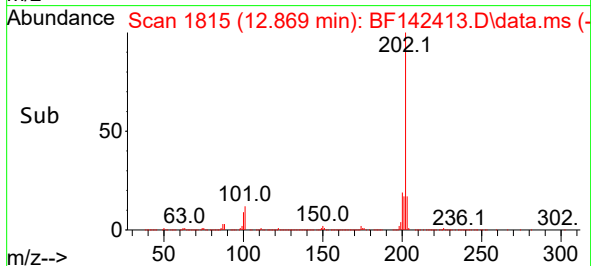
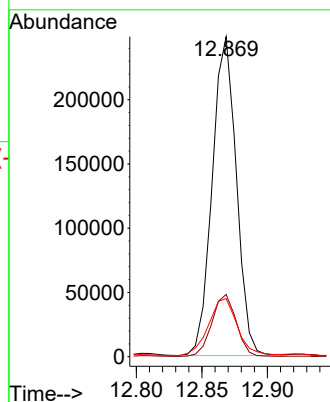
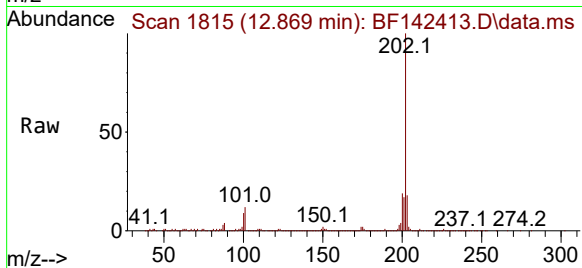
Tgt Ion:202 Resp: 317180

Ion Ratio Lower Upper

202 100

200 19.4 16.2 24.4

203 18.1 14.3 21.5



#79

Terphenyl-d14

Concen: 50.109 ng

RT: 13.010 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF142413.D

Acq: 16 May 2025 01:27

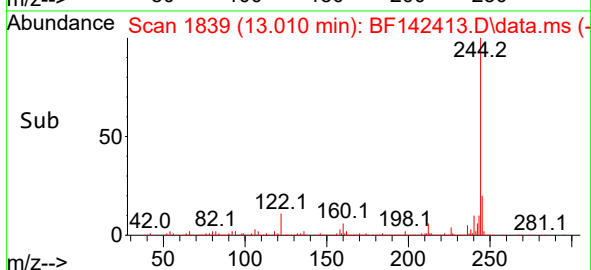
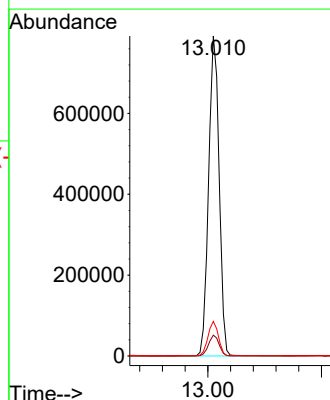
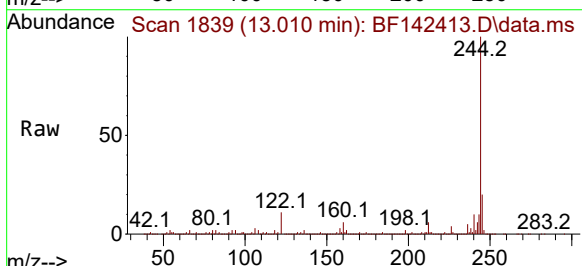
Tgt Ion:244 Resp: 1012854

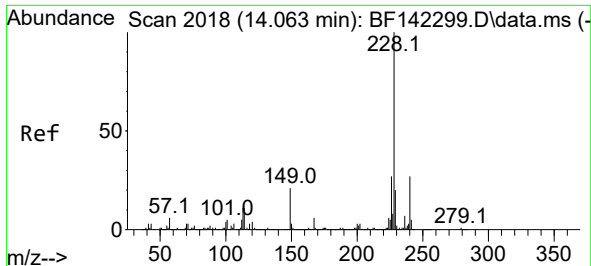
Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.2

122 10.8 9.0 13.4

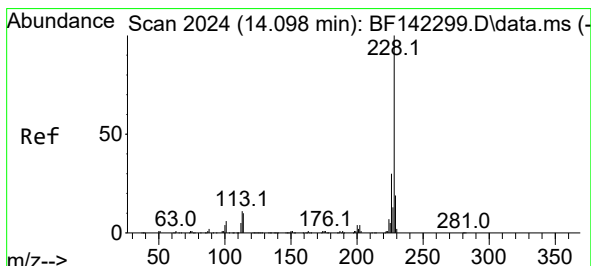
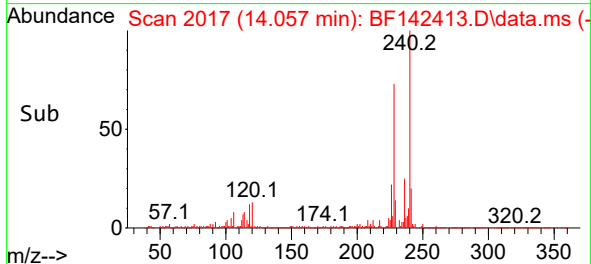
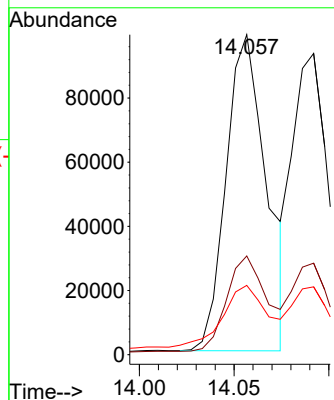
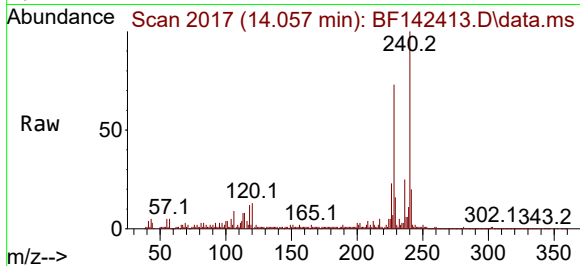




#81
Benzo(a)anthracene
Concen: 7.523 ng
RT: 14.057 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

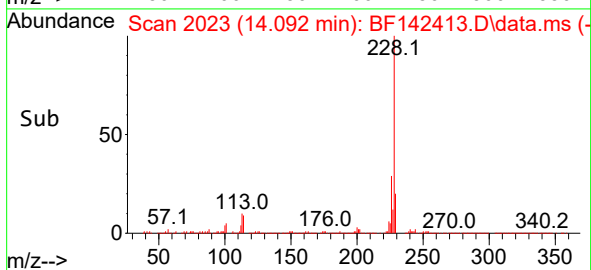
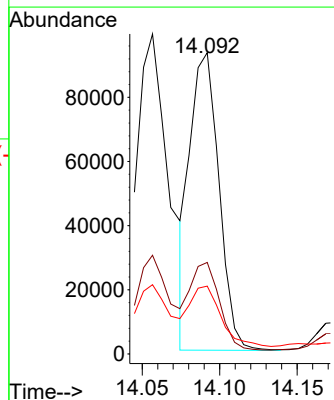
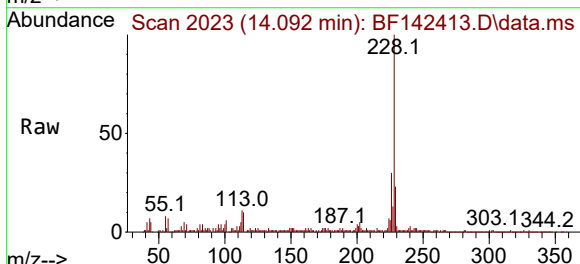
Instrument :
BNA_F
ClientSampleId :
TP-4

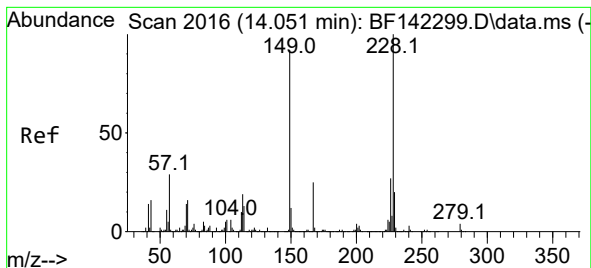
Tgt Ion:228 Resp: 145763
Ion Ratio Lower Upper
228 100
226 30.8 21.5 32.3
229 21.7 15.9 23.9



#83
Chrysene
Concen: 6.697 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

Tgt Ion:228 Resp: 120799
Ion Ratio Lower Upper
228 100
226 30.4 23.9 35.9
229 22.5 15.4 23.2





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.710 ng

RT: 14.045 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF142413.D

Acq: 16 May 2025 01:27

Instrument :

BNA_F

ClientSampleId :

TP-4

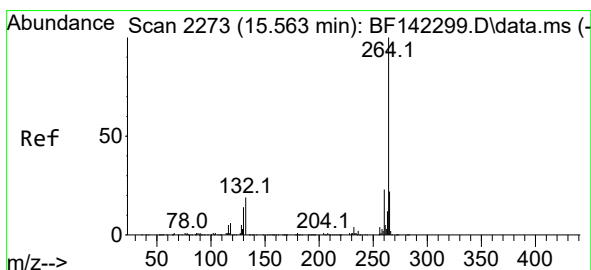
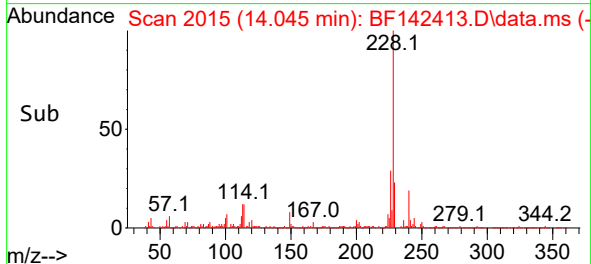
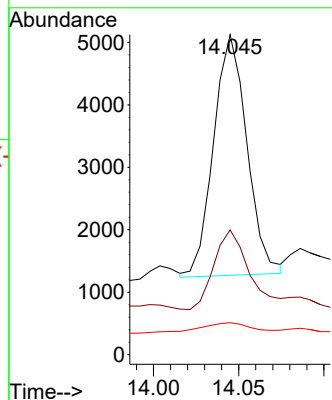
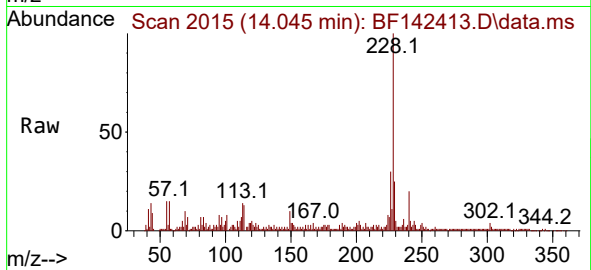
Tgt Ion:149 Resp: 5250

Ion Ratio Lower Upper

149 100

167 39.0 22.0 33.0#

279 10.0 3.0 4.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF142413.D

Acq: 16 May 2025 01:27

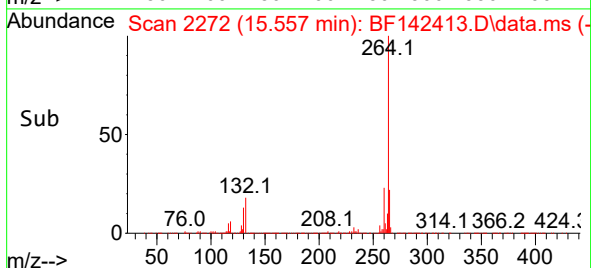
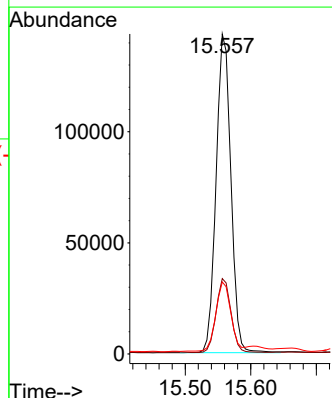
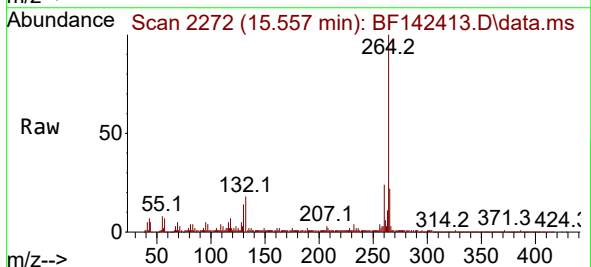
Tgt Ion:264 Resp: 224973

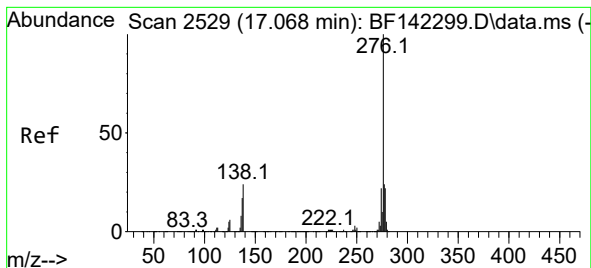
Ion Ratio Lower Upper

264 100

260 23.5 18.6 27.8

265 22.5 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.913 ng m

RT: 17.062 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142413.D

Acq: 16 May 2025 01:27

Instrument :

BNA_F

ClientSampleId :

TP-4

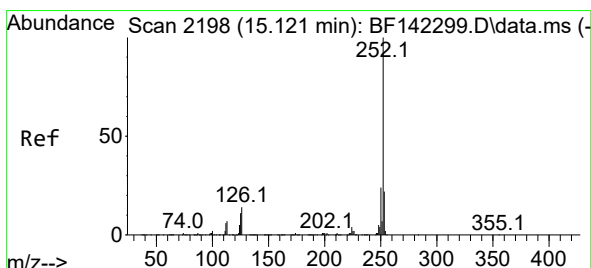
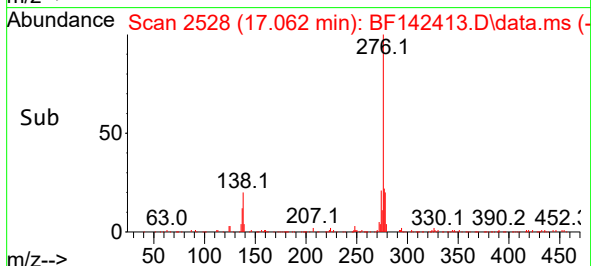
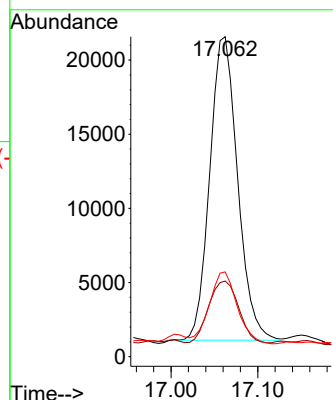
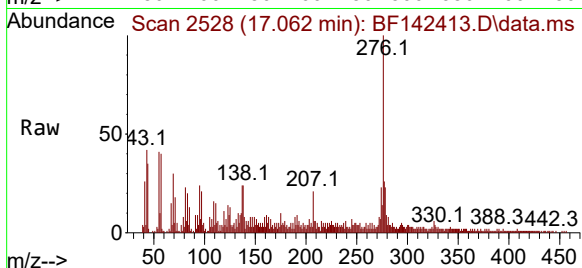
Tgt Ion:276 Resp: 45586

Ion Ratio Lower Upper

276 100

138 5.4 22.0 33.0#

277 4.9 20.1 30.1#



#88

Benzo(b)fluoranthene

Concen: 9.937 ng m

RT: 15.121 min Scan# 2198

Delta R.T. -0.000 min

Lab File: BF142413.D

Acq: 16 May 2025 01:27

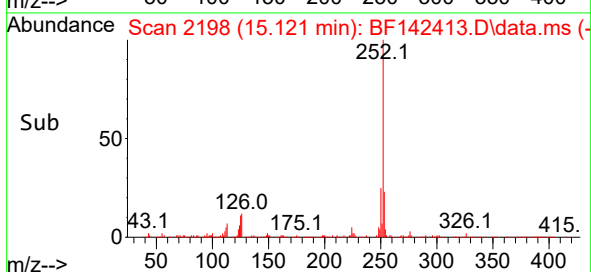
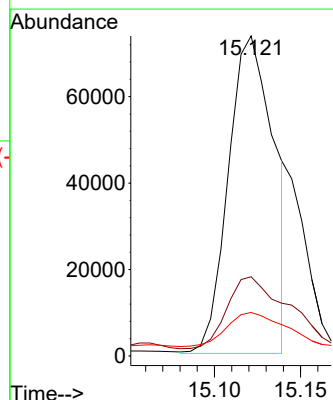
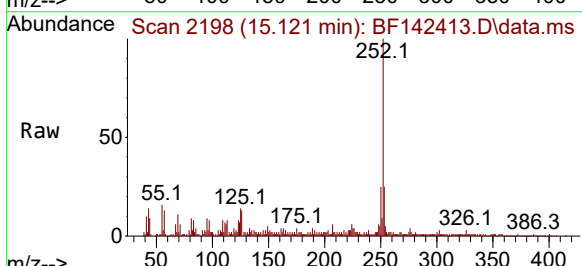
Tgt Ion:252 Resp: 135396

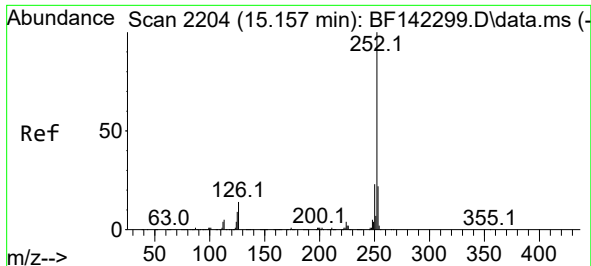
Ion Ratio Lower Upper

252 100

253 24.8 17.7 26.5

125 13.6 8.7 13.1#

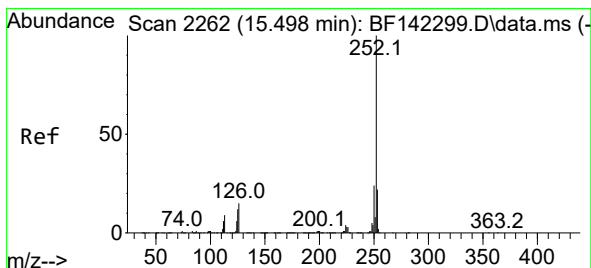
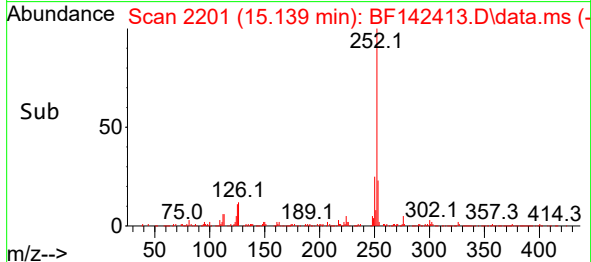
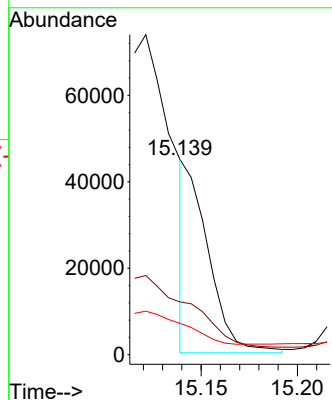
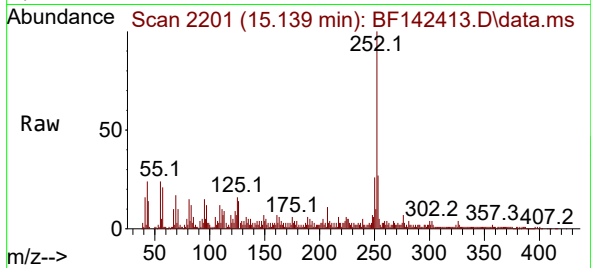




#89
Benzo(k)fluoranthene
Concen: 2.910 ng m
RT: 15.139 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

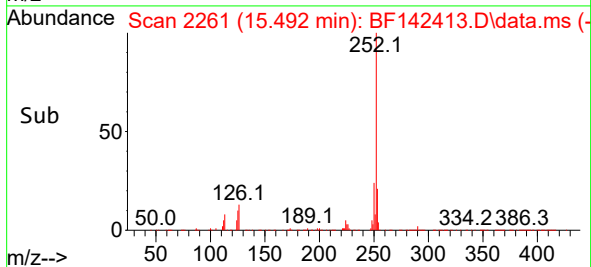
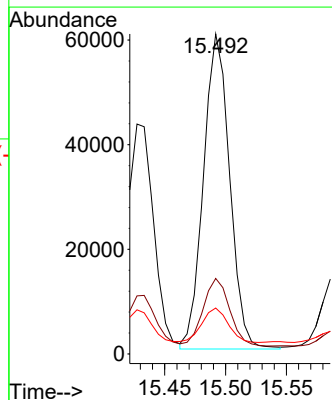
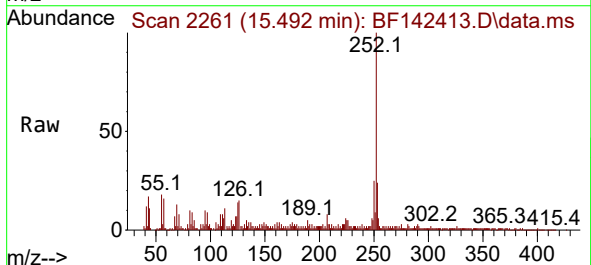
Instrument :
BNA_F
ClientSampleId :
TP-4

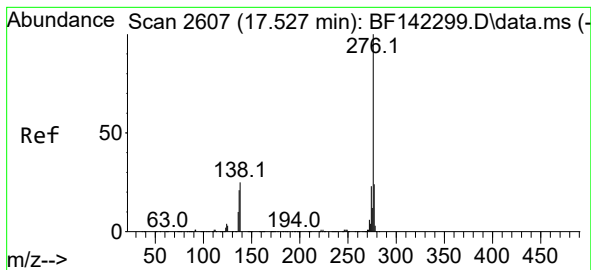
Tgt Ion:252 Resp: 36286
Ion Ratio Lower Upper
252 100
253 27.0 17.6 26.4#
125 16.1 8.1 12.1#



#90
Benzo(a)pyrene
Concen: 7.404 ng
RT: 15.492 min Scan# 2261
Delta R.T. -0.006 min
Lab File: BF142413.D
Acq: 16 May 2025 01:27

Tgt Ion:252 Resp: 90398
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 14.3 9.4 14.0#





#92

Benzo(g,h,i)perylene

Concen: 3.713 ng

RT: 17.515 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF142413.D

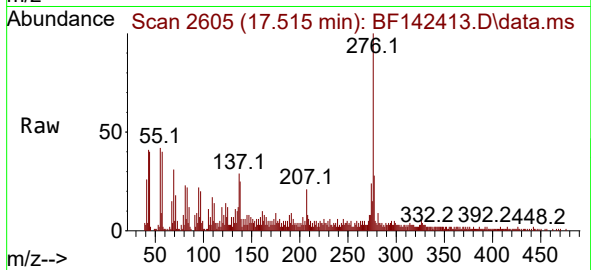
Acq: 16 May 2025 01:27

Instrument :

BNA_F

ClientSampleId :

TP-4



Tgt Ion:276 Resp: 47644

Ion Ratio Lower Upper

276 100

277 27.5 19.0 28.6

138 25.2 19.8 29.6

