

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
 Data File : BF142583.D
 Acq On : 30 May 2025 21:42
 Operator : RC/JU
 Sample : Q2150-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-42

Quant Time: May 30 22:29:59 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)

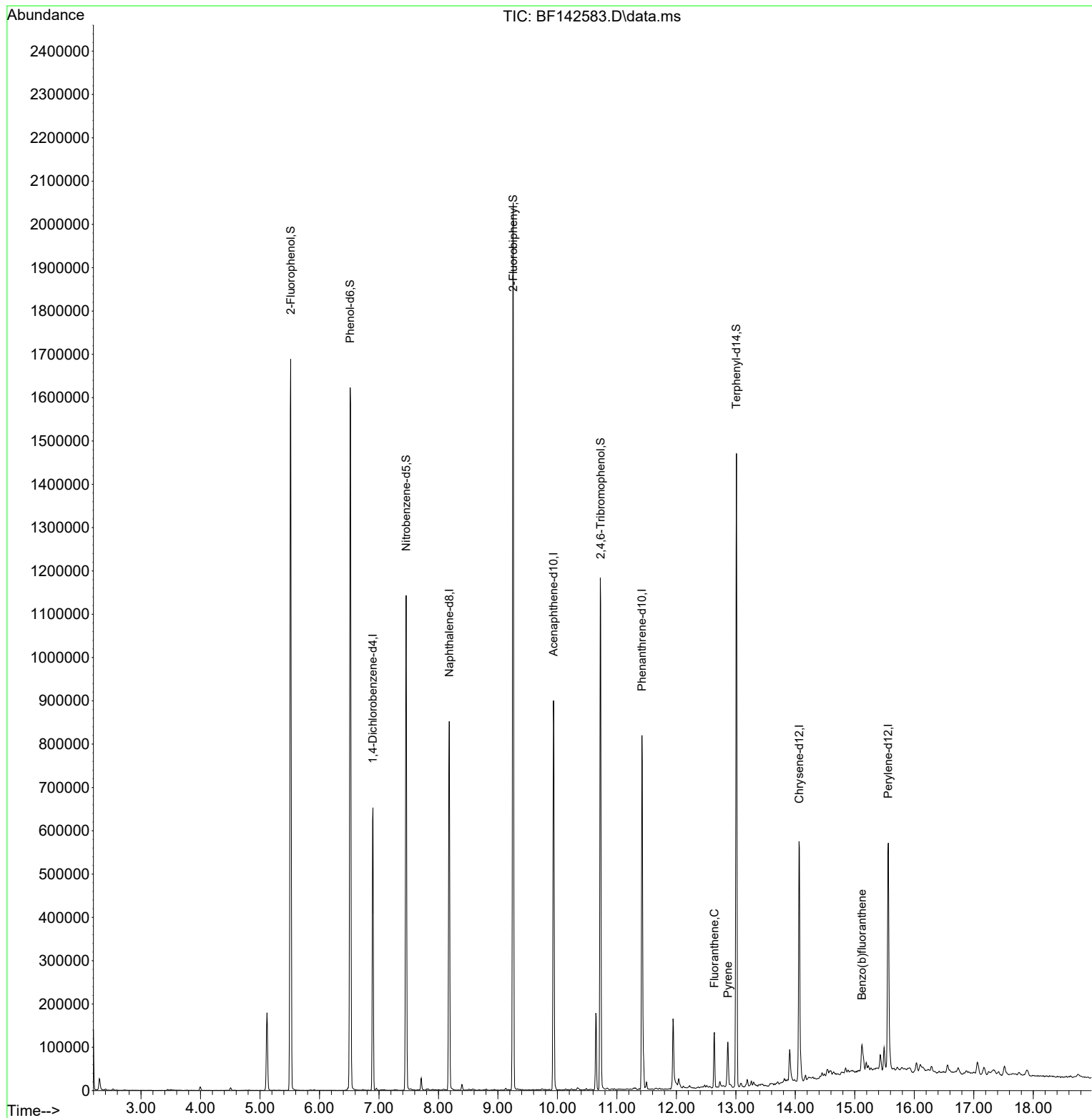
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	143411	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	545898	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	276939	20.000	ng	-0.01
64) Phenanthrene-d10	11.421	188	434462	20.000	ng	-0.01
76) Chrysene-d12	14.068	240	256745	20.000	ng	0.00
86) Perylene-d12	15.562	264	308145	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	665218	78.148	ng	0.00
7) Phenol-d6	6.516	99	808288	78.882	ng	-0.02
23) Nitrobenzene-d5	7.457	82	489226	48.868	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	213548	69.476	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	949387	46.001	ng	-0.01
79) Terphenyl-d14	13.010	244	700083	37.262	ng	0.00
Target Compounds						
						Qvalue
75) Fluoranthene	12.639	202	75247	3.468	ng	100
78) Pyrene	12.868	202	63857	2.666	ng	97
88) Benzo(b)fluoranthene	15.121	252	36811m	2.018	ng	

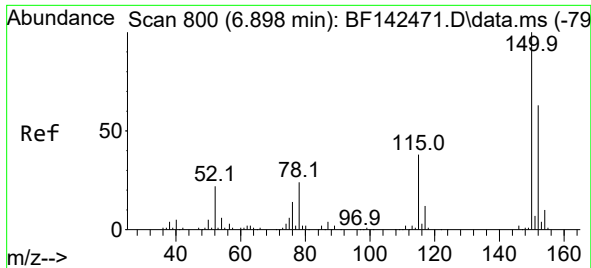
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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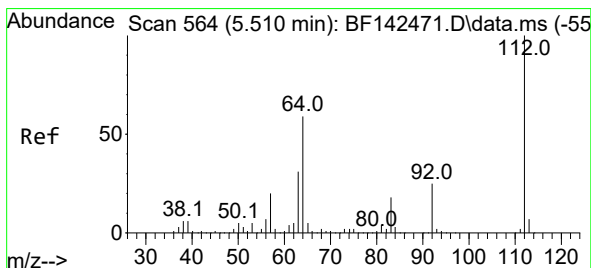
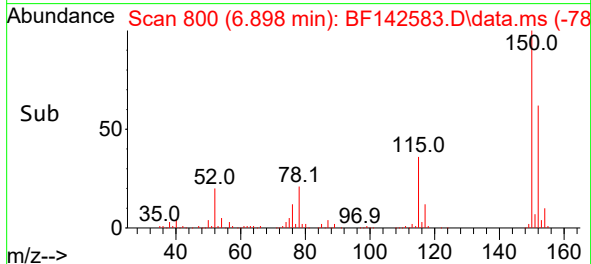
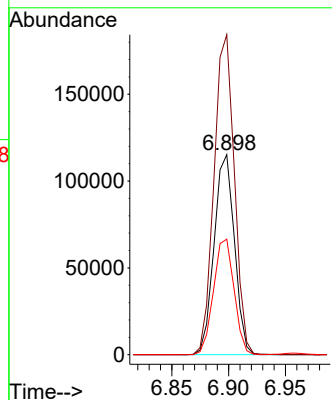
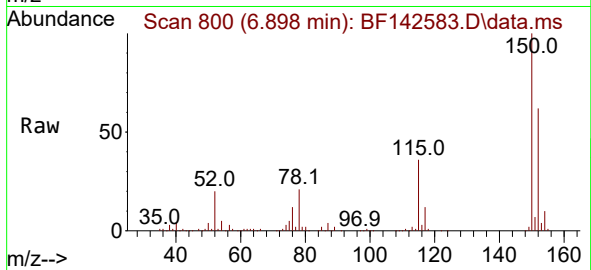




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF142583.D
 Acq: 30 May 2025 21:42

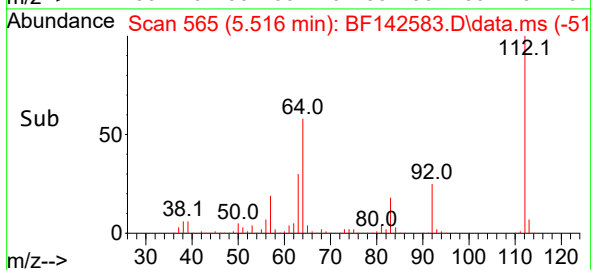
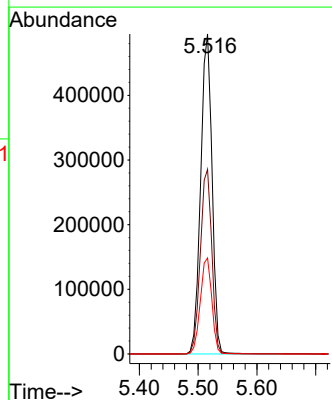
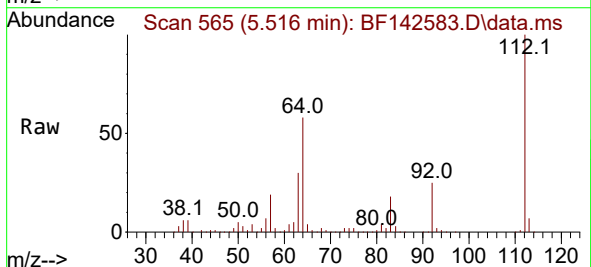
Instrument :
 BNA_F
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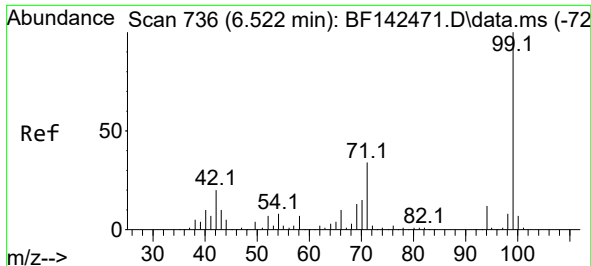
Tgt Ion:152 Resp: 143411
 Ion Ratio Lower Upper
 152 100
 150 160.0 128.2 192.4
 115 57.8 48.3 72.5



#5
 2-Fluorophenol
 Concen: 78.148 ng
 RT: 5.516 min Scan# 565
 Delta R.T. 0.000 min
 Lab File: BF142583.D
 Acq: 30 May 2025 21:42

Tgt Ion:112 Resp: 665218
 Ion Ratio Lower Upper
 112 100
 64 57.7 47.5 71.3
 63 30.0 24.9 37.3

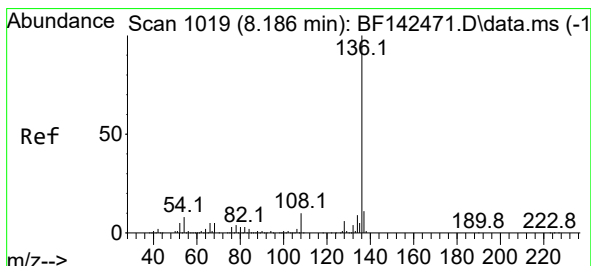
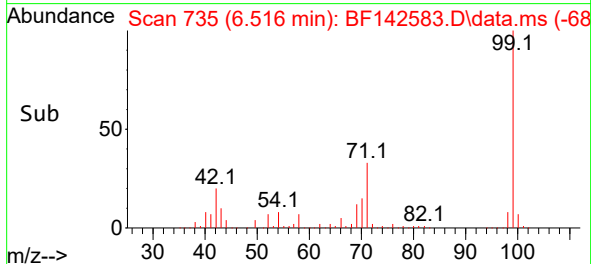
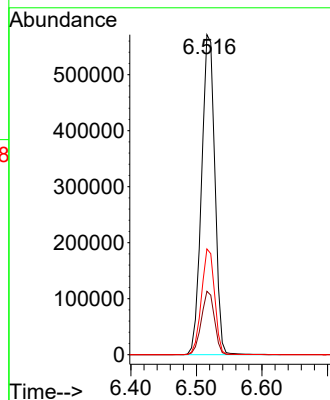
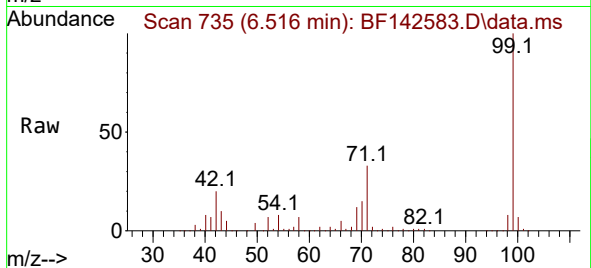




#7
Phenol-d6
Concen: 78.882 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

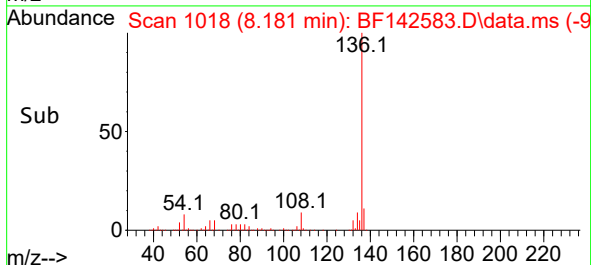
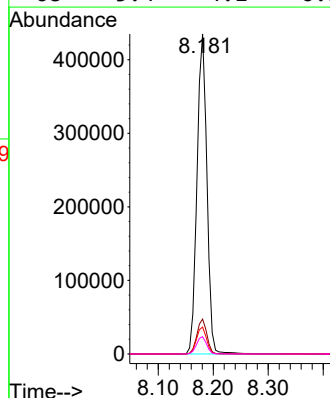
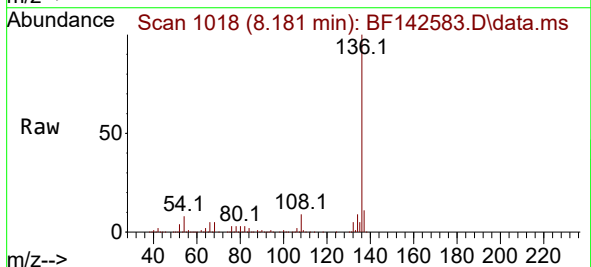
Instrument :
BNA_F
ClientSampleId :
TP-42

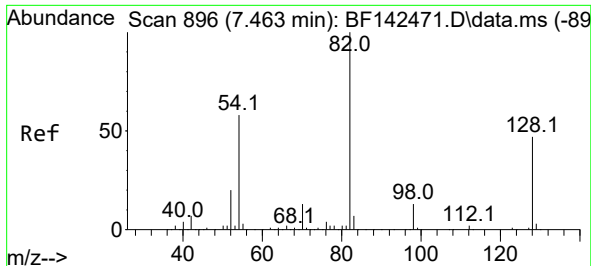
Tgt Ion: 99 Resp: 808288
Ion Ratio Lower Upper
99 100
42 19.8 16.2 24.2
71 33.0 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

Tgt Ion: 136 Resp: 545898
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.4 6.6 10.0
68 5.4 4.1 6.1





#23

Nitrobenzene-d5

Concen: 48.868 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.018 min

Lab File: BF142583.D

Acq: 30 May 2025 21:42

Instrument :

BNA_F

ClientSampleId :

TP-42

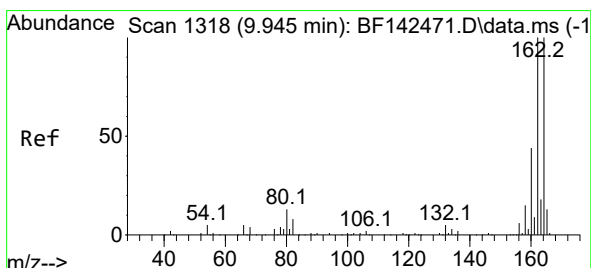
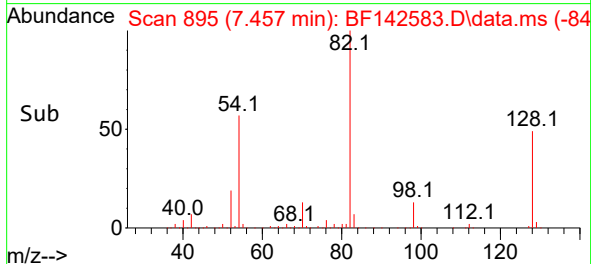
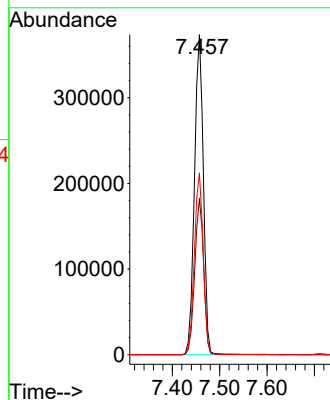
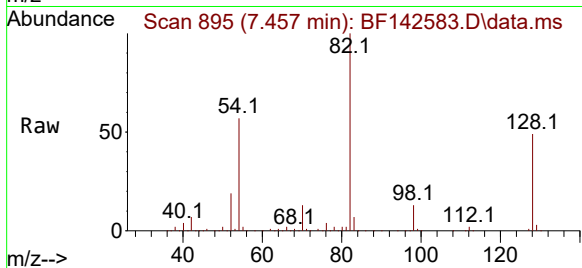
Tgt Ion: 82 Resp: 489226

Ion Ratio Lower Upper

82 100

128 48.9 37.4 56.2

54 56.9 46.6 70.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF142583.D

Acq: 30 May 2025 21:42

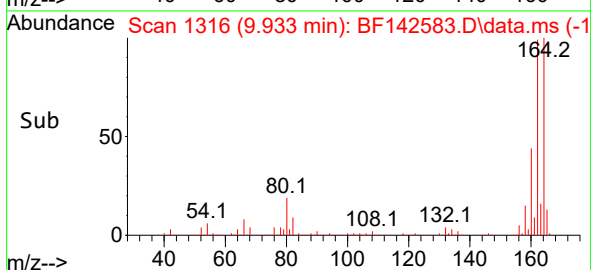
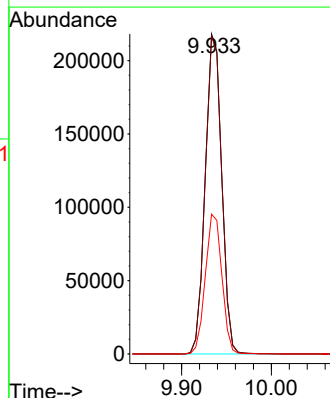
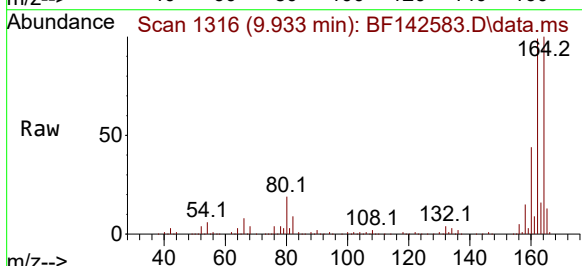
Tgt Ion:164 Resp: 276939

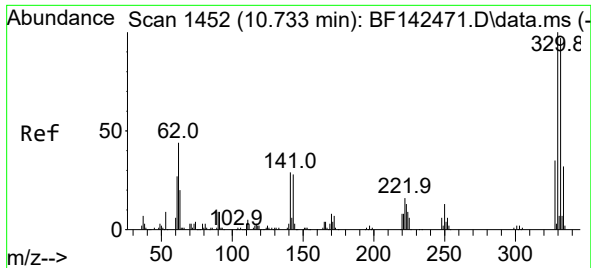
Ion Ratio Lower Upper

164 100

162 99.2 80.2 120.4

160 43.7 35.6 53.4

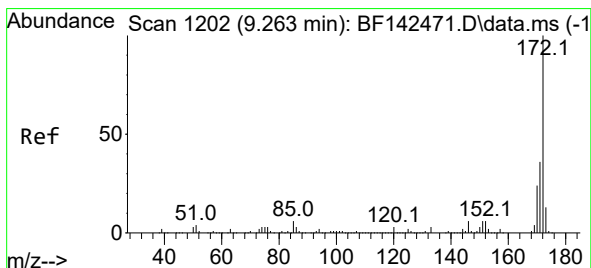
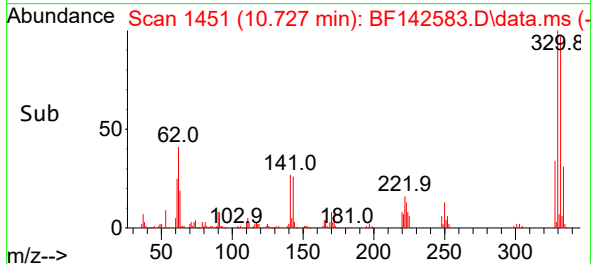
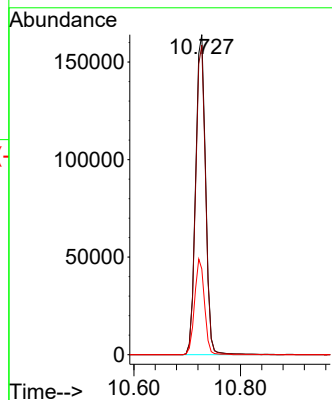
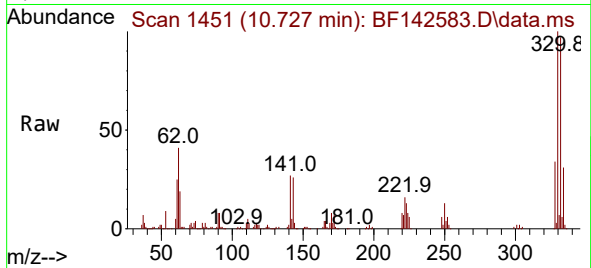




#42
2,4,6-Tribromophenol
Concen: 69.476 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

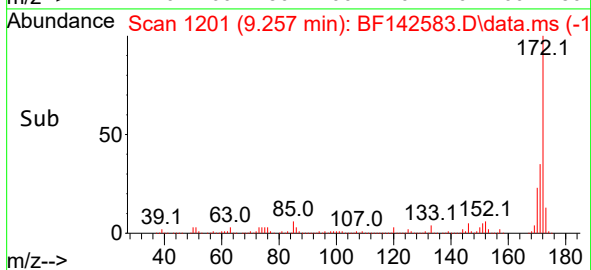
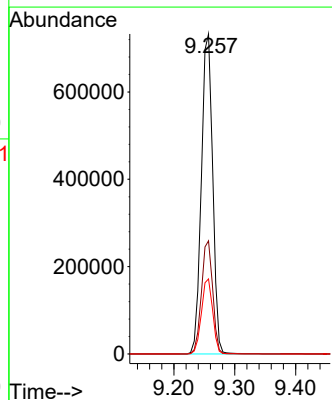
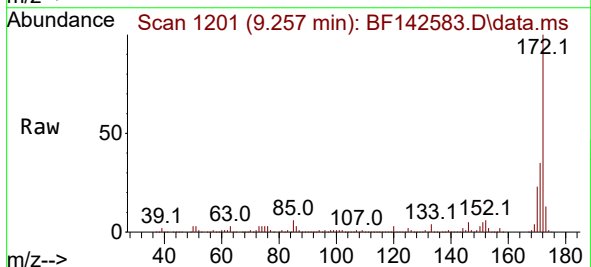
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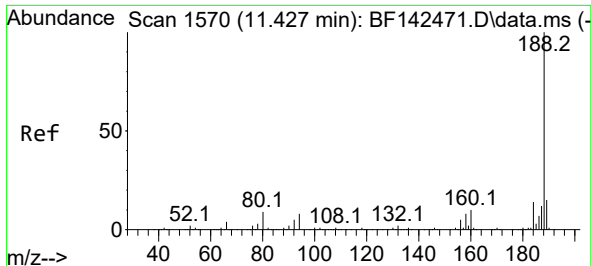
Tgt Ion:330 Resp: 213548
Ion Ratio Lower Upper
330 100
332 96.4 77.6 116.4
141 29.6 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 46.001 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

Tgt Ion:172 Resp: 949387
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 23.4 18.9 28.3

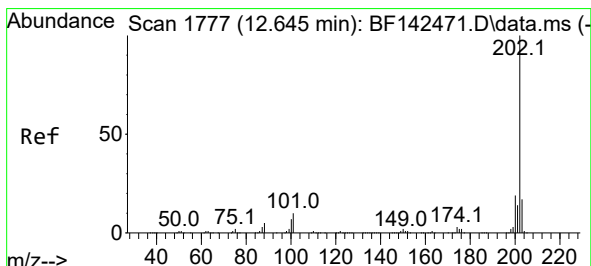
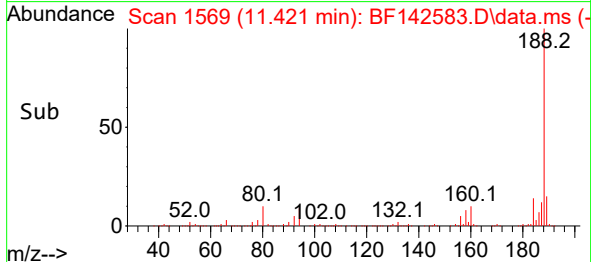
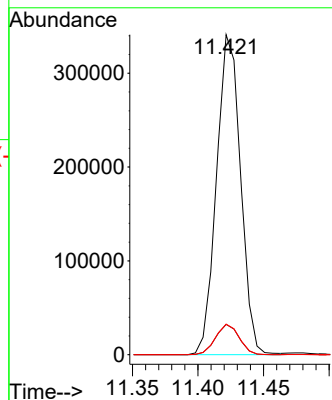
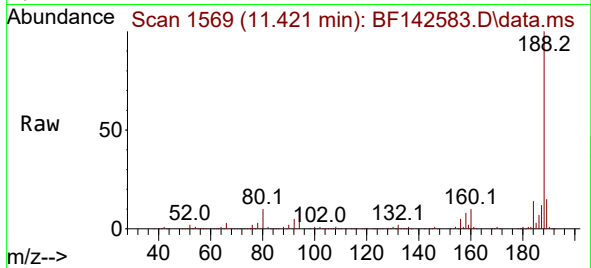




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

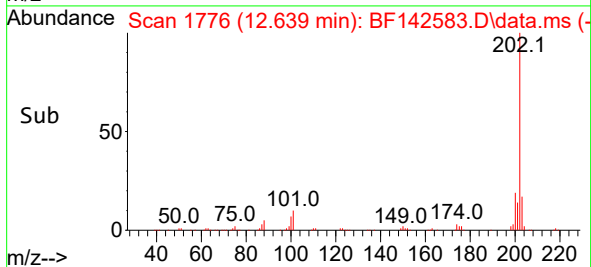
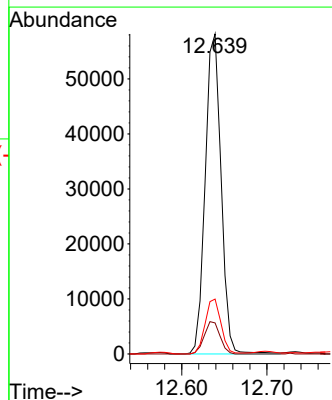
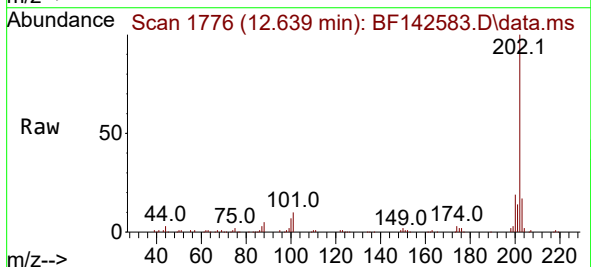
Instrument :
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ClientSampleId :
TP-42

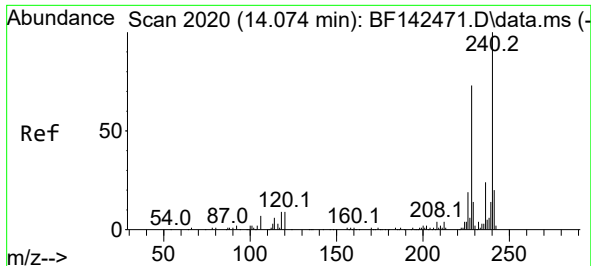
Tgt Ion:188 Resp: 434462
Ion Ratio Lower Upper
188 100
94 9.4 6.6 10.0
80 9.5 7.4 11.0



#75
Fluoranthene
Concen: 3.468 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

Tgt Ion:202 Resp: 75247
Ion Ratio Lower Upper
202 100
101 9.7 0.0 29.6
203 17.2 0.0 37.2

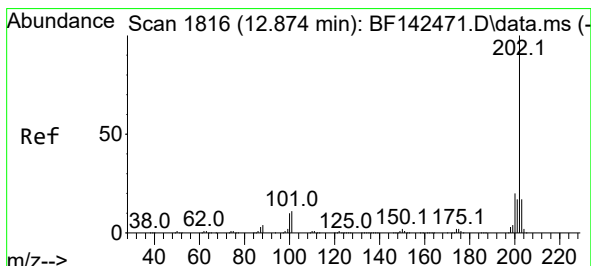
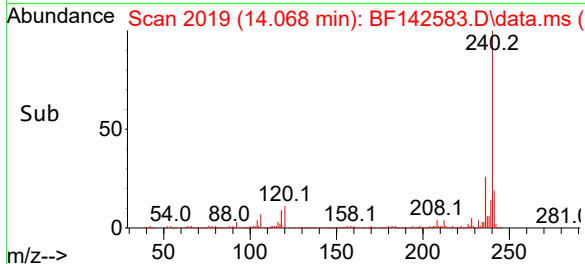
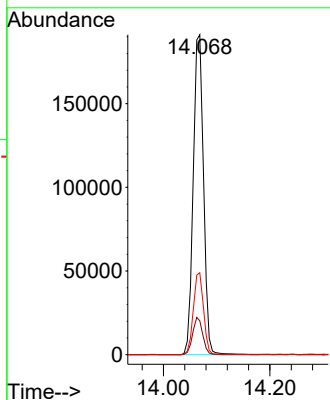
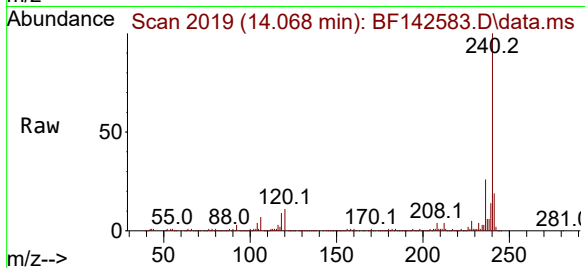




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

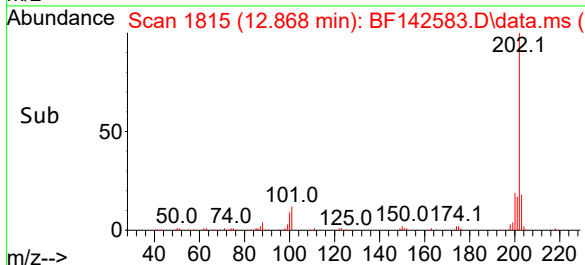
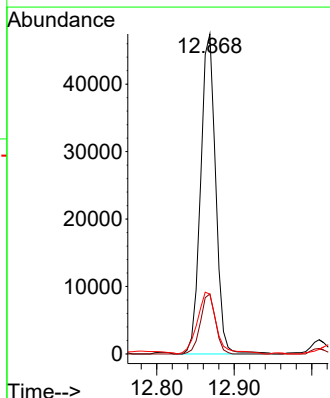
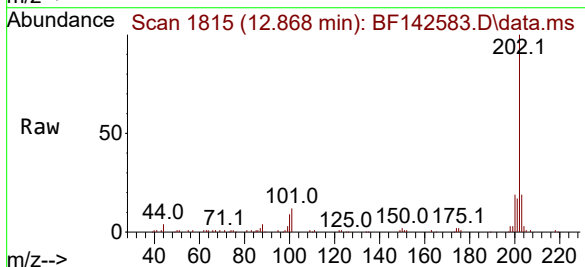
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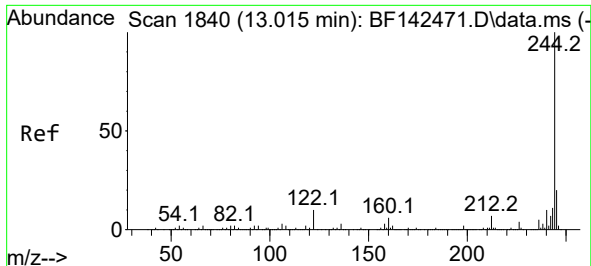
Tgt Ion:240 Resp: 256745
Ion Ratio Lower Upper
240 100
120 10.6 7.5 11.3
236 25.6 19.6 29.4



#78
Pyrene
Concen: 2.666 ng
RT: 12.868 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

Tgt Ion:202 Resp: 63857
Ion Ratio Lower Upper
202 100
200 18.8 16.1 24.1
203 18.7 13.9 20.9

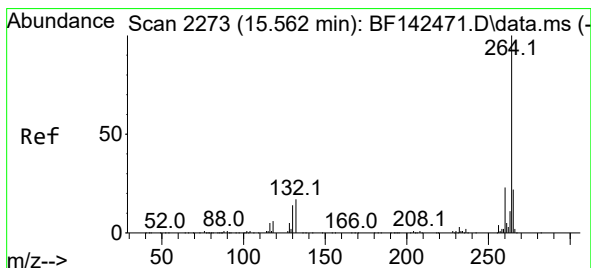
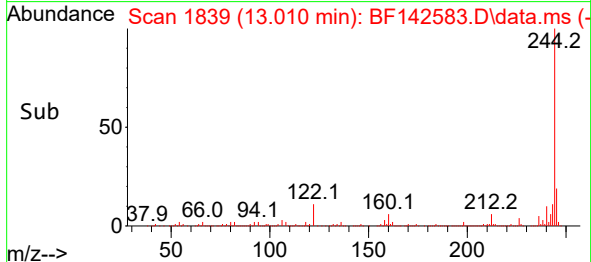
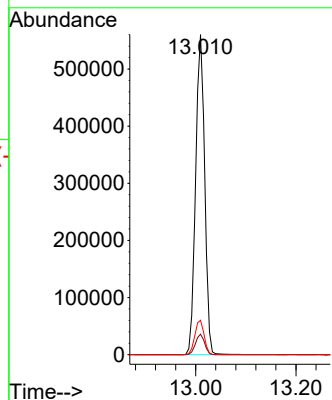
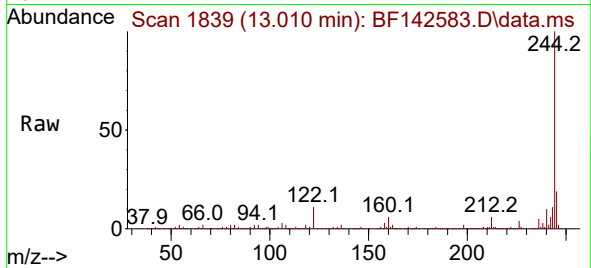




#79
 Terphenyl-d14
 Concen: 37.262 ng
 RT: 13.010 min Scan# 1840
 Delta R.T. -0.006 min
 Lab File: BF142583.D
 Acq: 30 May 2025 21:42

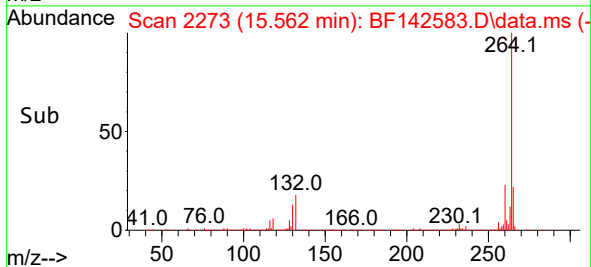
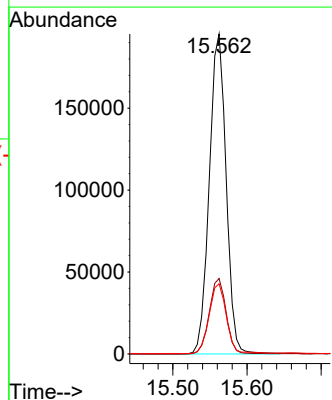
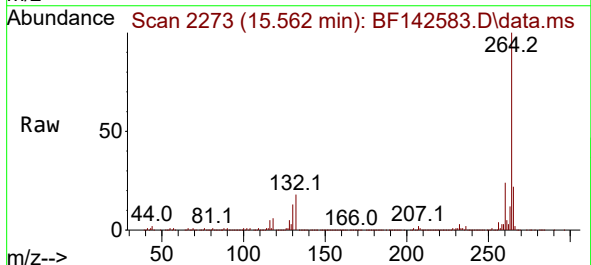
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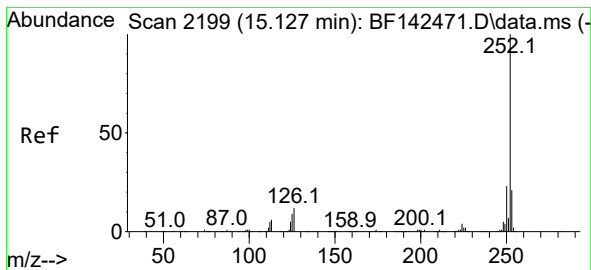
Tgt Ion:244 Resp: 700083
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.3 7.9
 122 10.7 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.562 min Scan# 2273
 Delta R.T. -0.006 min
 Lab File: BF142583.D
 Acq: 30 May 2025 21:42

Tgt Ion:264 Resp: 308145
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.6 28.0
 265 21.9 17.7 26.5





#88

Benzo(b)fluoranthene

Concen: 2.018 ng m

RT: 15.121 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142583.D

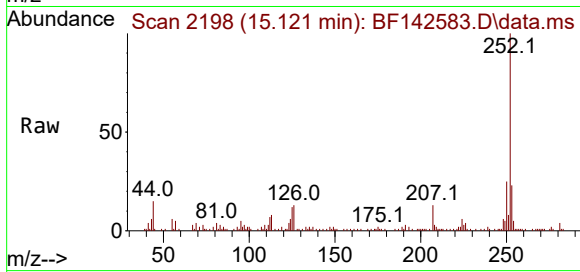
Acq: 30 May 2025 21:42

Instrument :

BNA_F

ClientSampleId :

TP-42



Tgt Ion:252 Resp: 36811

Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.4

125 12.2 7.4 11.0#

