

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
 Data File : BF142512.D
 Acq On : 22 May 2025 16:04
 Operator : RC/JU
 Sample : Q2052-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-B

Quant Time: May 22 16:31:33 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)

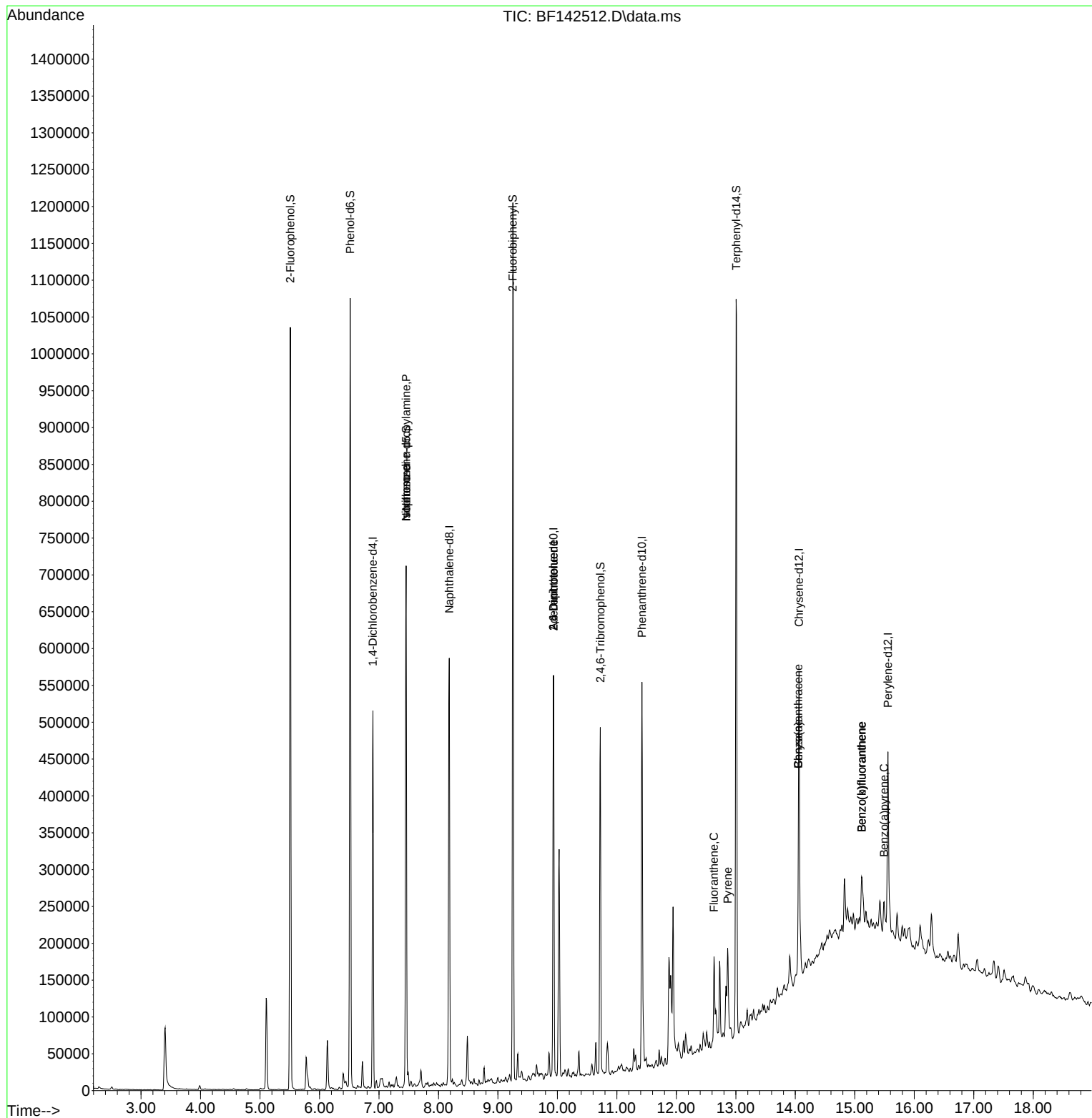
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	107496	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	365434	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	160296	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	265807	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	181001	20.000	ng	-0.01
86) Perylene-d12	15.557	264	145750	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	389274	61.010	ng	0.00
7) Phenol-d6	6.516	99	481806	62.730	ng	-0.02
23) Nitrobenzene-d5	7.457	82	291892	43.555	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	79197	44.516	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	530043	44.371	ng	-0.02
79) Terphenyl-d14	13.010	244	497217	37.540	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	40659	8.542	ng	# 77
25) Isophorone	7.457	82	274347	24.485	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	21032	9.213	ng	# 28
57) 2,4-Dinitrotoluene	9.933	165	21032	7.055	ng	# 29
75) Fluoranthene	12.633	202	69727	5.253	ng	98
78) Pyrene	12.863	202	67228	3.982	ng	97
81) Benzo(a)anthracene	14.051	228	33045	2.734	ng	93
83) Chrysene	14.051	228	33045	3.043	ng	97
88) Benzo(b)fluoranthene	15.115	252	48179	5.585	ng	# 83
89) Benzo(k)fluoranthene	15.115	252	48179	5.963	ng	# 83
90) Benzo(a)pyrene	15.492	252	24565	3.021	ng	# 85

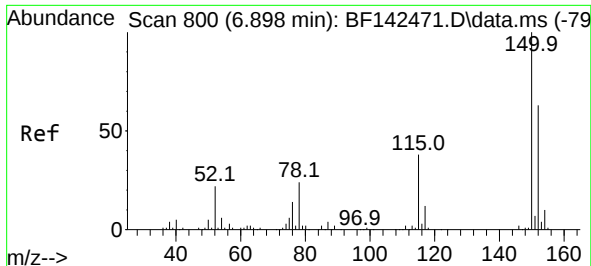
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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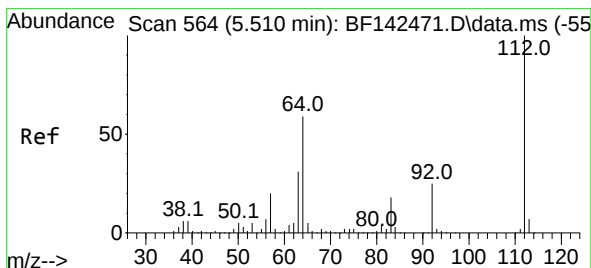
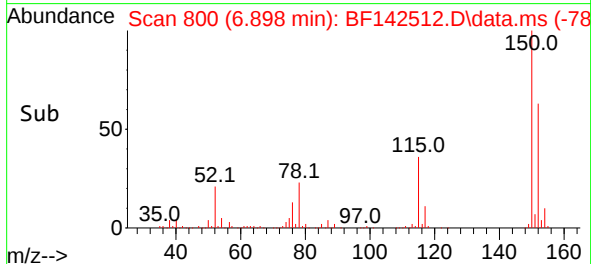
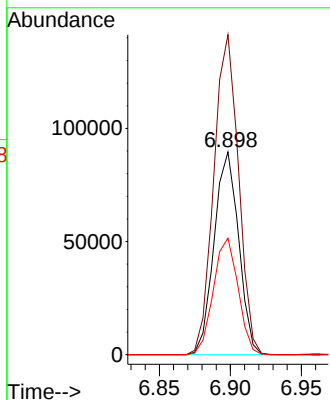
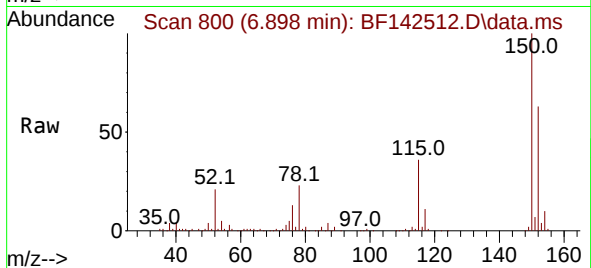




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142512.D
Acq: 22 May 2025 16:04

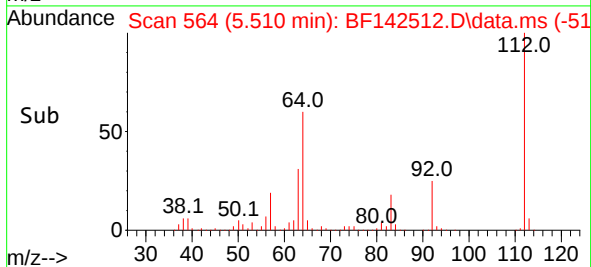
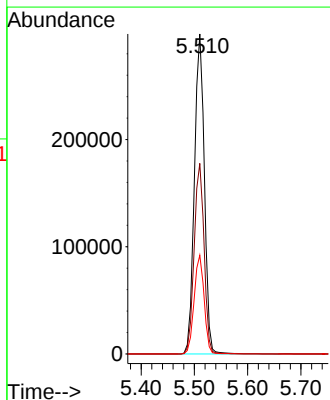
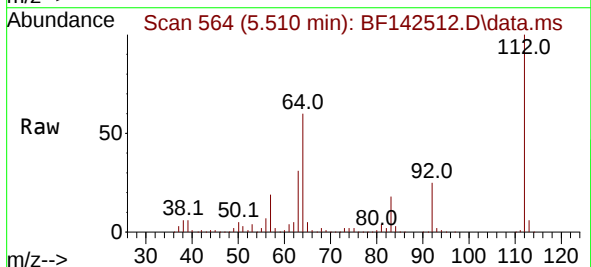
Instrument :
BNA_F
ClientSampleId :
TP-B

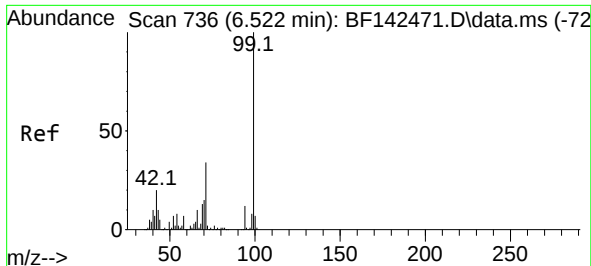
Tgt Ion:152 Resp: 107496
Ion Ratio Lower Upper
152 100
150 157.8 128.2 192.4
115 57.4 48.3 72.5



#5
2-Fluorophenol
Concen: 61.010 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142512.D
Acq: 22 May 2025 16:04

Tgt Ion:112 Resp: 389274
Ion Ratio Lower Upper
112 100
64 59.5 47.5 71.3
63 30.8 24.9 37.3

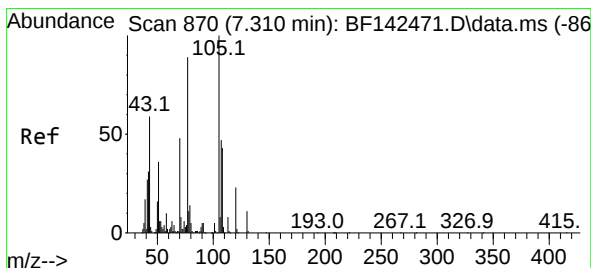
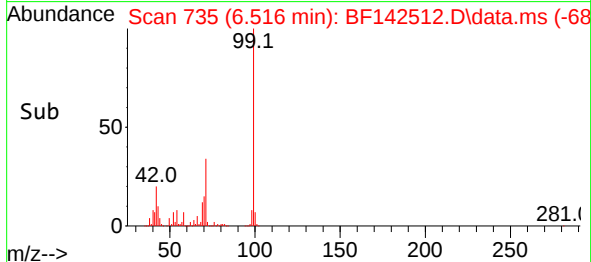
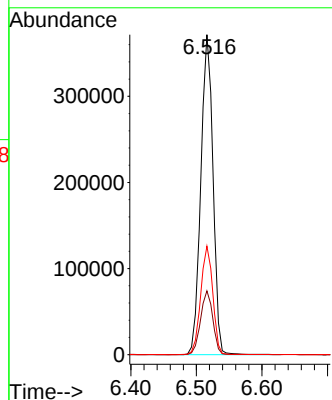
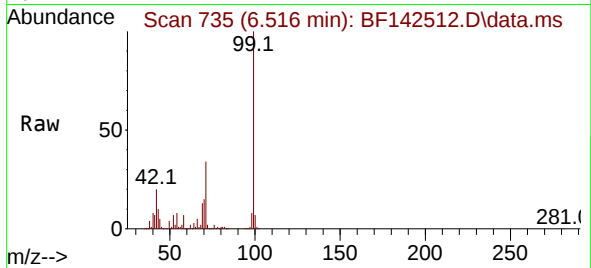




#7
Phenol-d6
Concen: 62.730 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142512.D
Acq: 22 May 2025 16:04

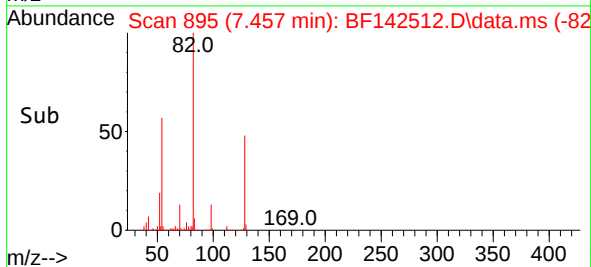
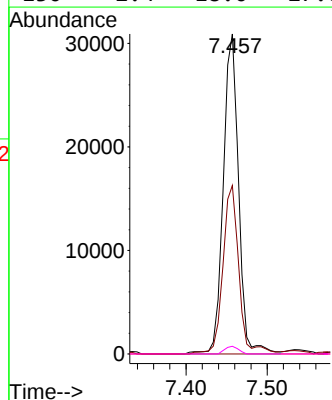
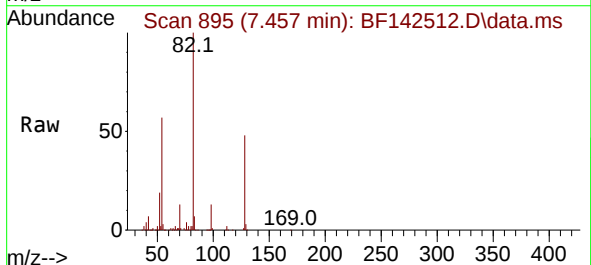
Instrument :
BNA_F
ClientSampleId :
TP-B

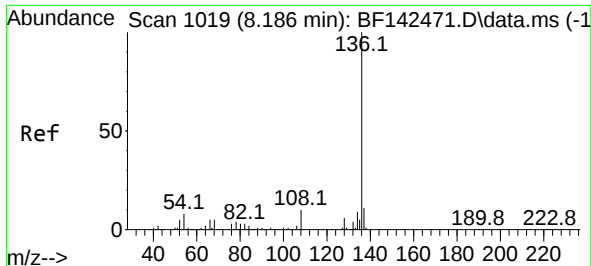
Tgt Ion: 99 Resp: 481806
Ion Ratio Lower Upper
99 100
42 20.0 16.2 24.2
71 33.9 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 8.542 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.130 min
Lab File: BF142512.D
Acq: 22 May 2025 16:04

Tgt Ion: 70 Resp: 40659
Ion Ratio Lower Upper
70 100
42 52.7 52.4 78.6
101 0.0 7.8 11.8#
130 2.4 18.0 27.0#



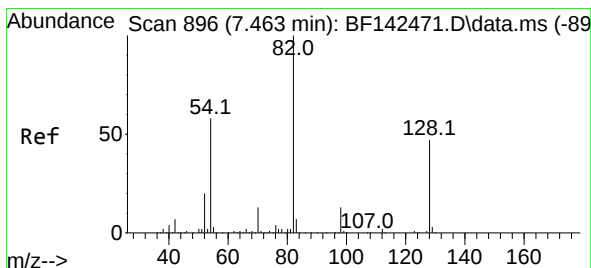
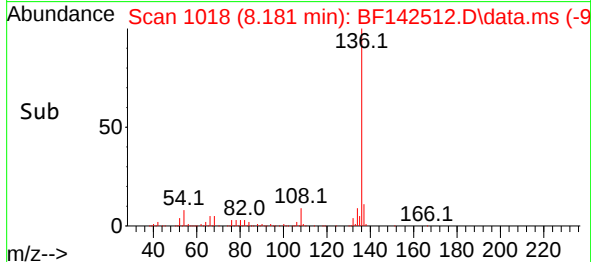
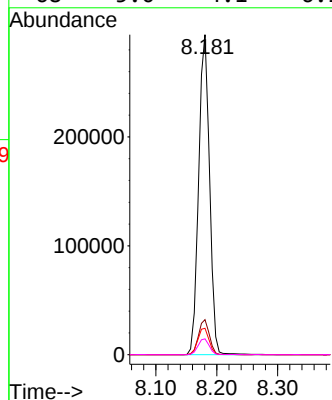
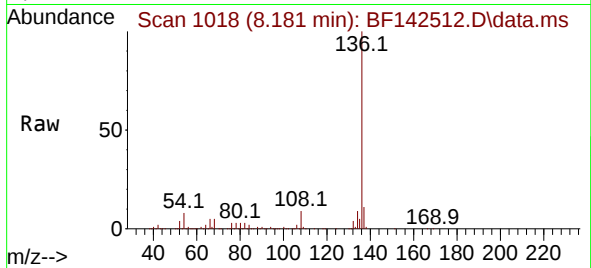


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142512.D
Acq: 22 May 2025 16:04

Instrument :
BNA_F
ClientSampleId :
TP-B

Tgt Ion:136 Resp: 365434

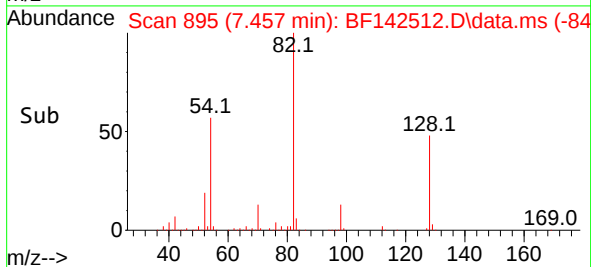
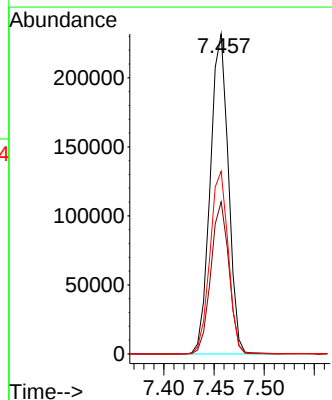
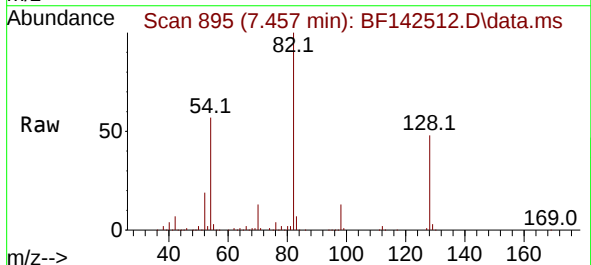
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.3	6.6	10.0
68	5.0	4.1	6.1

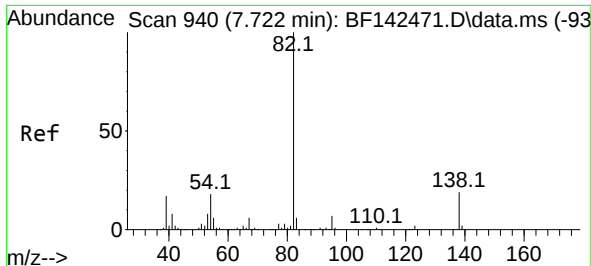


#23
Nitrobenzene-d5
Concen: 43.555 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF142512.D
Acq: 22 May 2025 16:04

Tgt Ion: 82 Resp: 291892

Ion	Ratio	Lower	Upper
82	100		
128	47.6	37.4	56.2
54	57.1	46.6	70.0

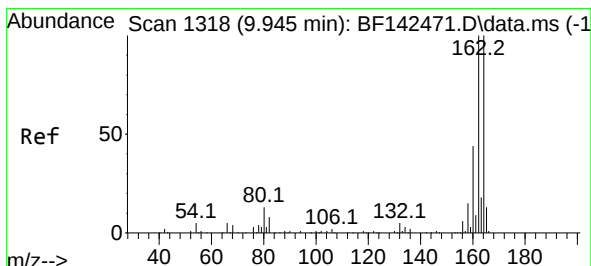
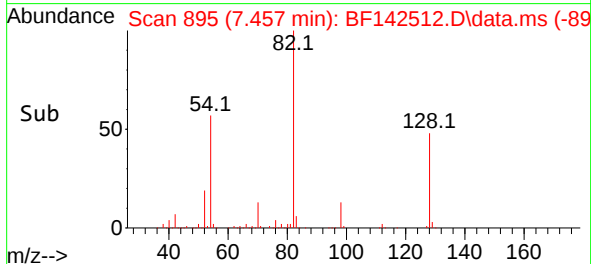
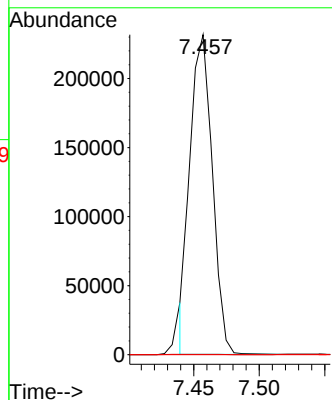
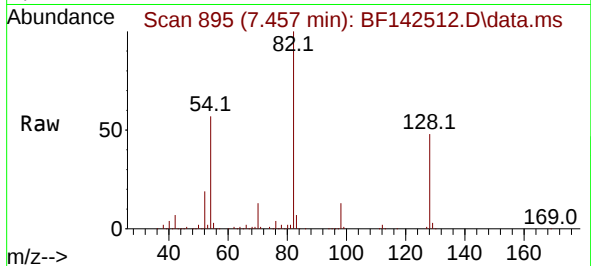




#25
Isophorone
Concen: 24.485 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.276 min
Lab File: BF142512.D
Acq: 22 May 2025 16:04

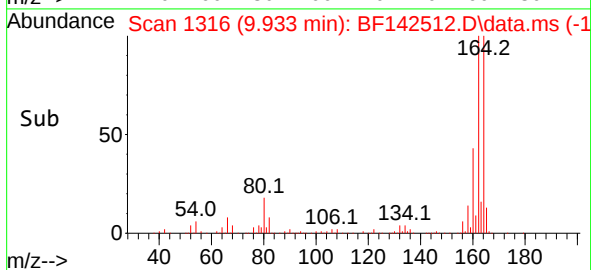
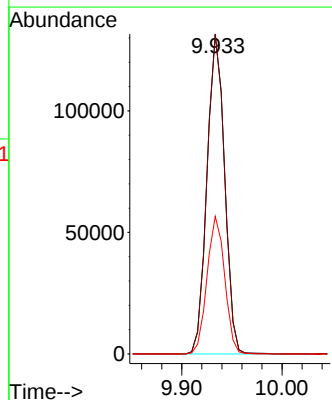
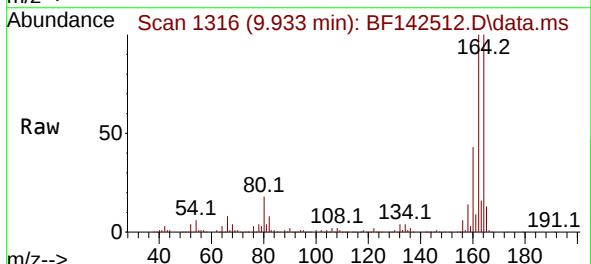
Instrument :
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ClientSampleId :
TP-B

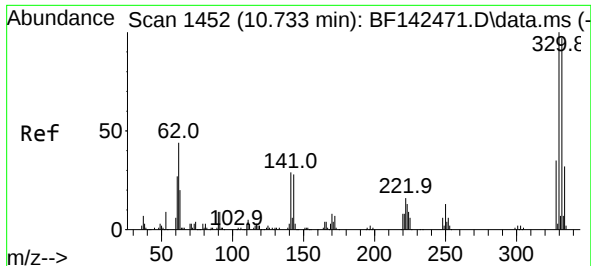
Tgt Ion: 82 Resp: 274347
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142512.D
Acq: 22 May 2025 16:04

Tgt Ion:164 Resp: 160296
Ion Ratio Lower Upper
164 100
162 100.2 80.2 120.4
160 43.1 35.6 53.4

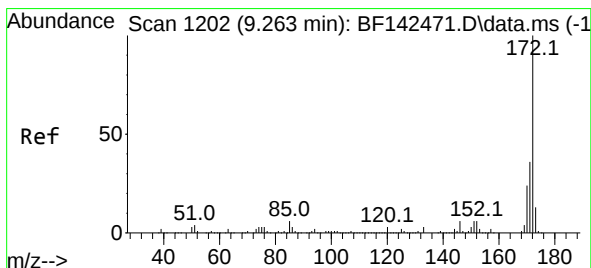
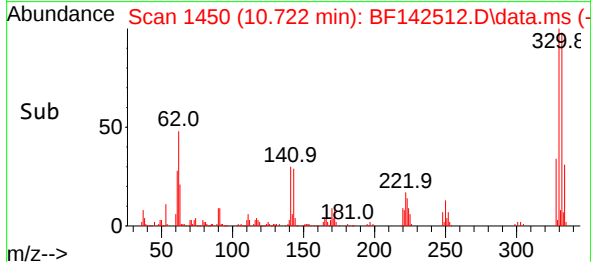
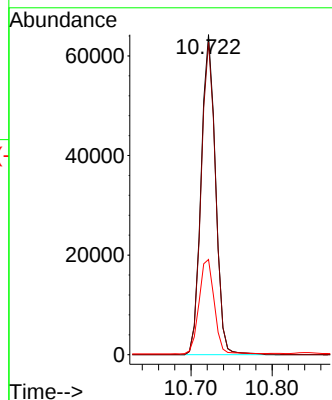
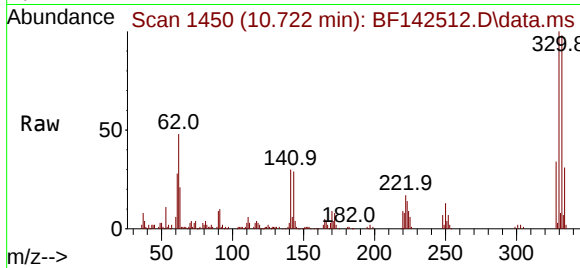




#42
2,4,6-Tribromophenol
Concen: 44.516 ng
RT: 10.722 min Scan# 1452
Delta R.T. -0.018 min
Lab File: BF142512.D
Acq: 22 May 2025 16:04

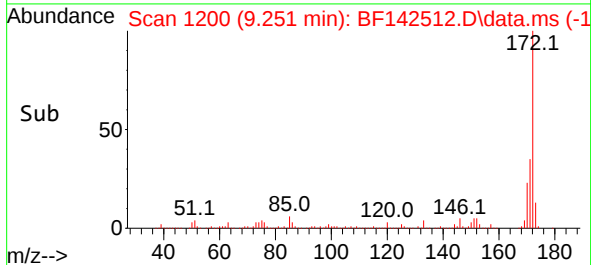
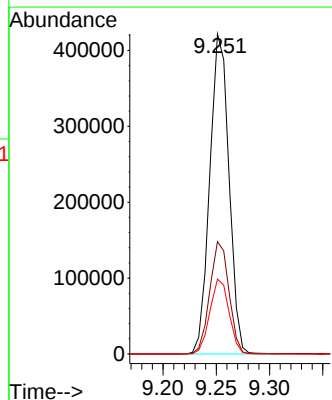
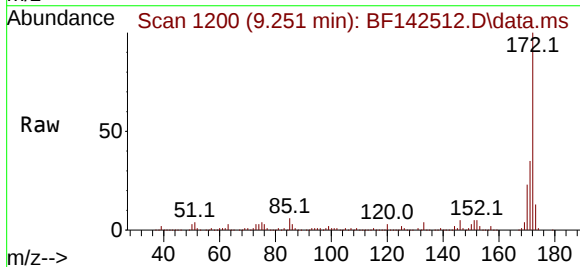
Instrument :
BNA_F
ClientSampleId :
TP-B

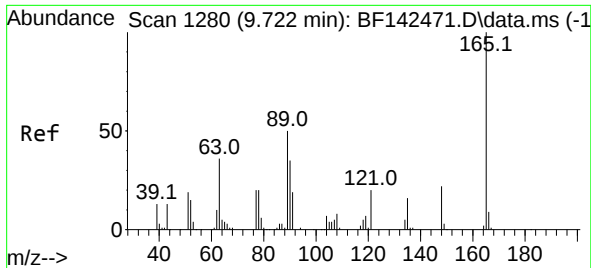
Tgt Ion	330	Resp	79197
Ion Ratio	Lower	Upper	
330	100		
332	97.8	77.6	116.4
141	31.1	24.6	36.8



#45
2-Fluorobiphenyl
Concen: 44.371 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF142512.D
Acq: 22 May 2025 16:04

Tgt Ion	172	Resp	530043
Ion Ratio	Lower	Upper	
172	100		
171	35.1	28.6	42.8
170	23.4	18.9	28.3

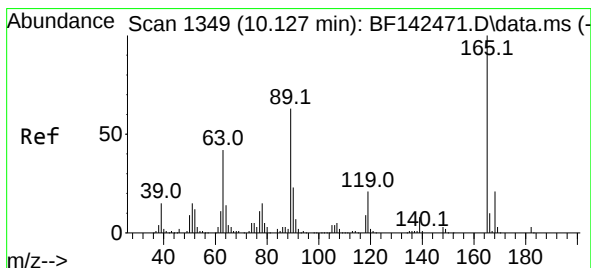
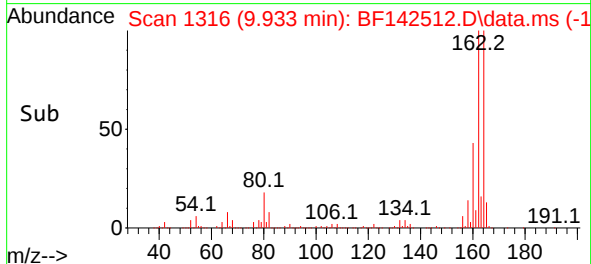
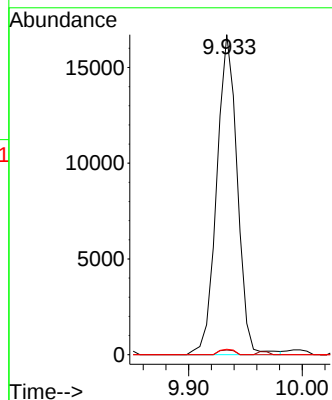
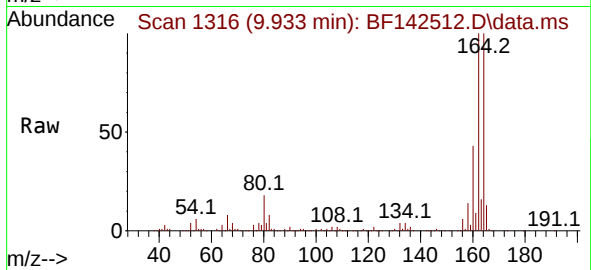




#51
2,6-Dinitrotoluene
Concen: 9.213 ng
RT: 9.933 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF142512.D
Acq: 22 May 2025 16:04

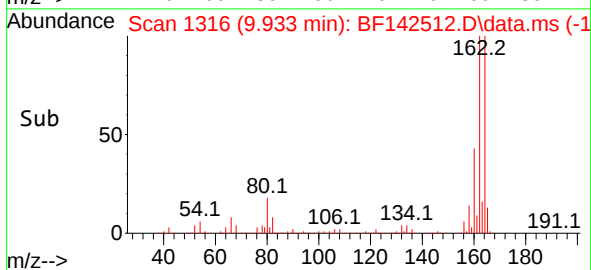
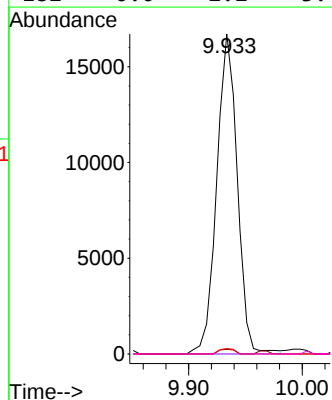
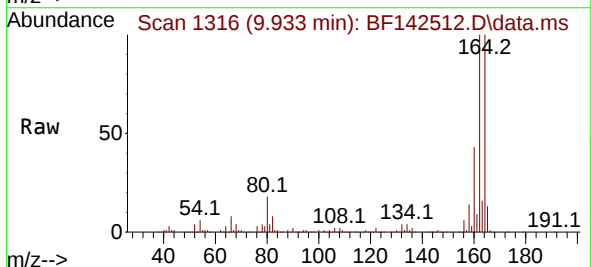
Instrument :
BNA_F
ClientSampleId :
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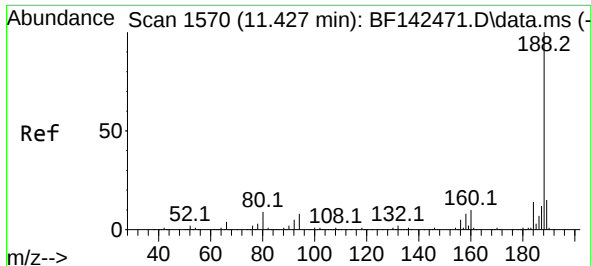
Tgt Ion:165 Resp: 21032
Ion Ratio Lower Upper
165 100
63 1.4 42.9 64.3#
89 1.7 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 7.055 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142512.D
Acq: 22 May 2025 16:04

Tgt Ion:165 Resp: 21032
Ion Ratio Lower Upper
165 100
63 1.4 33.6 50.4#
89 1.7 50.2 75.4#
182 0.0 2.2 3.4#

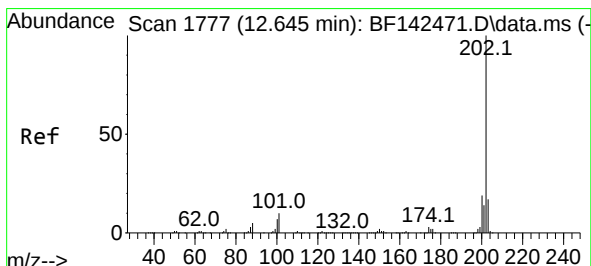
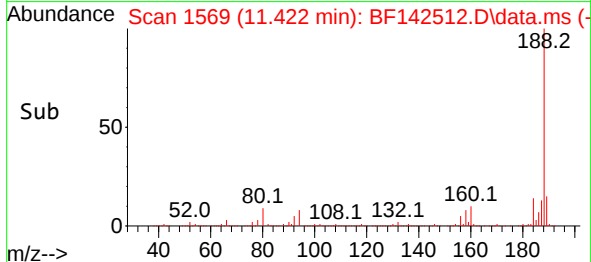
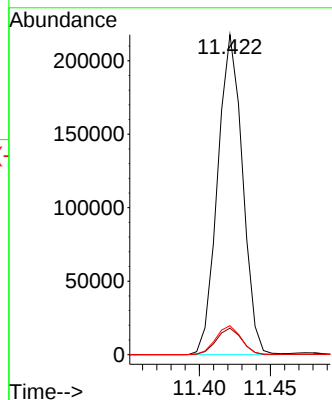
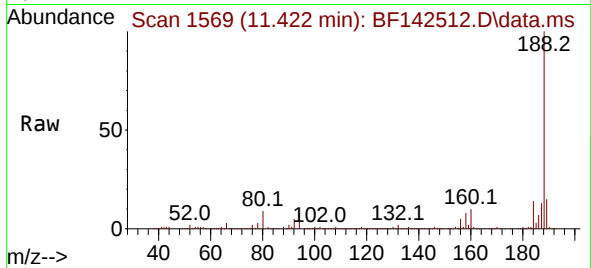




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142512.D
Acq: 22 May 2025 16:04

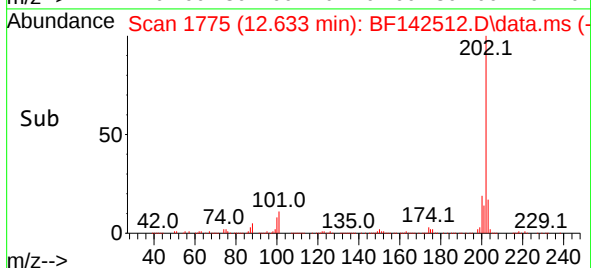
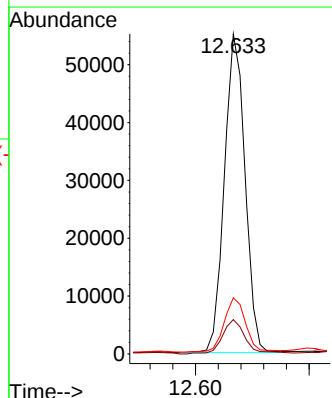
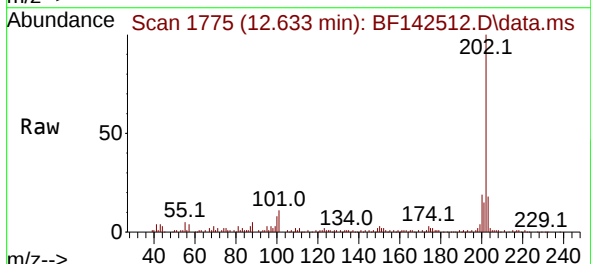
Instrument :
BNA_F
ClientSampleId :
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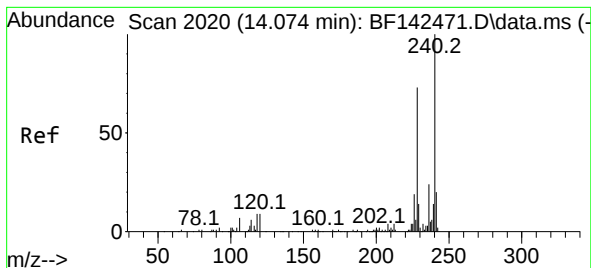
Tgt Ion:188 Resp: 265807
Ion Ratio Lower Upper
188 100
94 8.3 6.6 10.0
80 9.0 7.4 11.0



#75
Fluoranthene
Concen: 5.253 ng
RT: 12.633 min Scan# 1775
Delta R.T. -0.012 min
Lab File: BF142512.D
Acq: 22 May 2025 16:04

Tgt Ion:202 Resp: 69727
Ion Ratio Lower Upper
202 100
101 10.8 0.0 29.6
203 17.6 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF142512.D

Acq: 22 May 2025 16:04

Instrument :

BNA_F

ClientSampleId :

TP-B

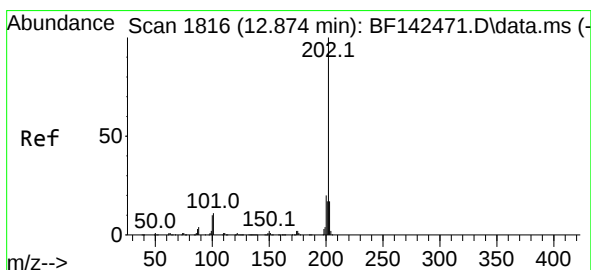
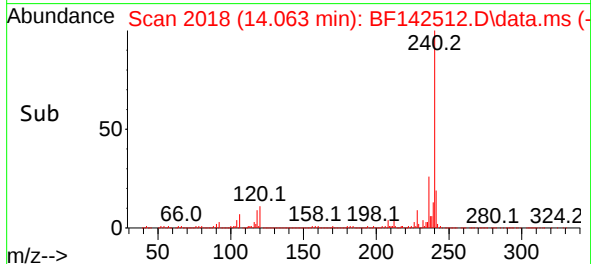
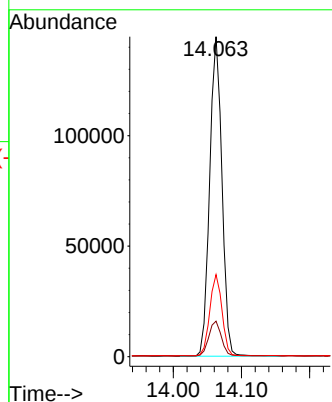
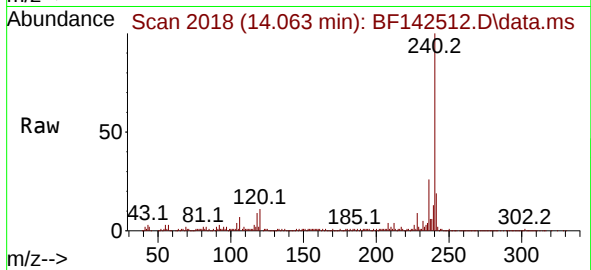
Tgt Ion:240 Resp: 181001

Ion Ratio Lower Upper

240 100

120 11.1 7.5 11.3

236 25.7 19.6 29.4



#78

Pyrene

Concen: 3.982 ng

RT: 12.863 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF142512.D

Acq: 22 May 2025 16:04

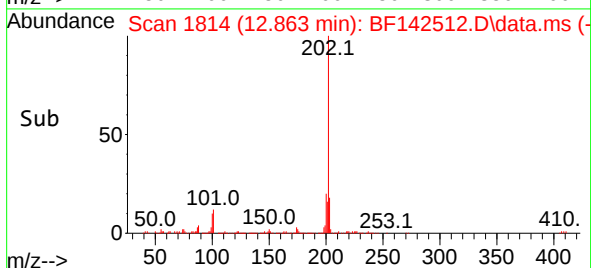
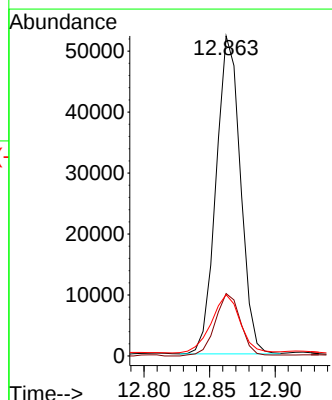
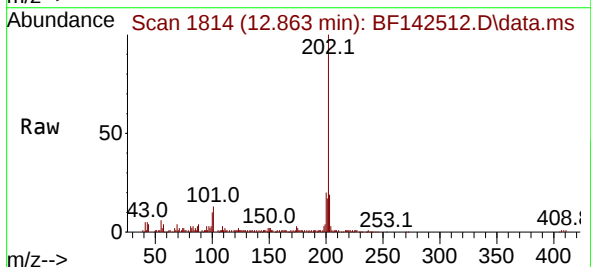
Tgt Ion:202 Resp: 67228

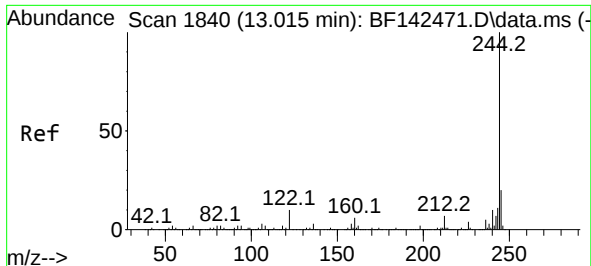
Ion Ratio Lower Upper

202 100

200 19.5 16.1 24.1

203 19.1 13.9 20.9

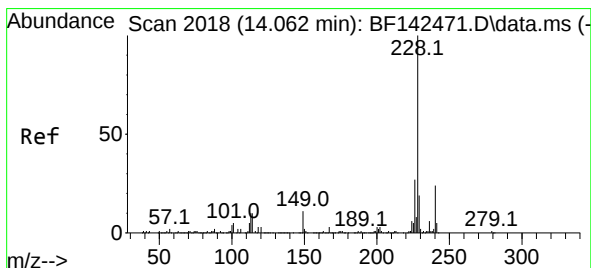
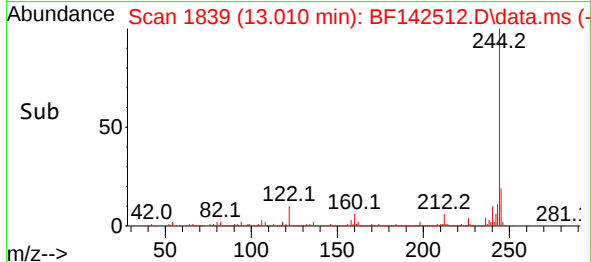
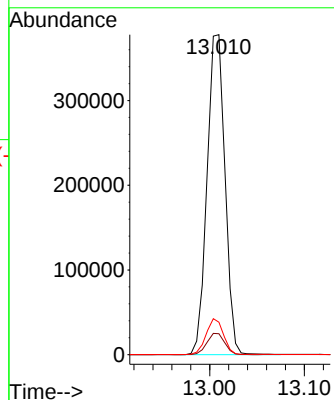
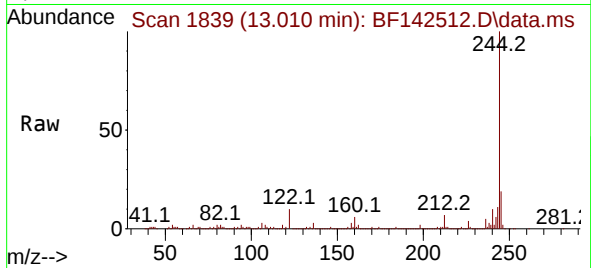




#79
 Terphenyl-d14
 Concen: 37.540 ng
 RT: 13.010 min Scan# 1840
 Delta R.T. -0.006 min
 Lab File: BF142512.D
 Acq: 22 May 2025 16:04

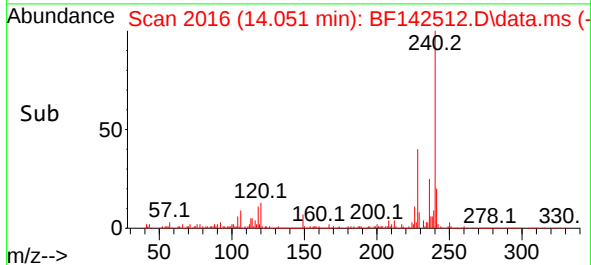
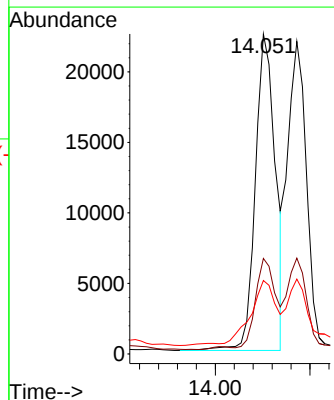
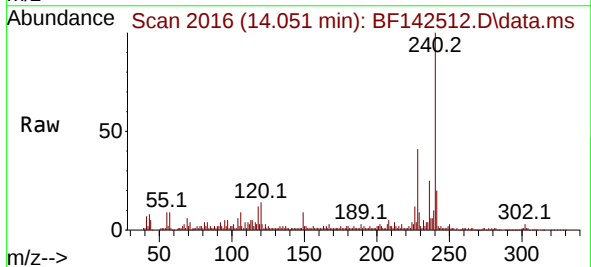
Instrument :
 BNA_F
 ClientSampleId :
 TP-B

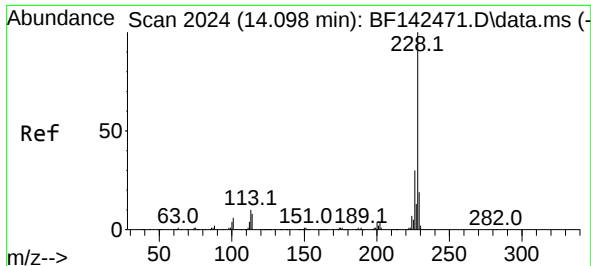
Tgt Ion:244 Resp: 497217
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.3 7.9
 122 10.1 8.2 12.2



#81
 Benzo(a)anthracene
 Concen: 2.734 ng
 RT: 14.051 min Scan# 2016
 Delta R.T. -0.012 min
 Lab File: BF142512.D
 Acq: 22 May 2025 16:04

Tgt Ion:228 Resp: 33045
 Ion Ratio Lower Upper
 228 100
 226 29.9 21.2 31.8
 229 23.0 15.5 23.3

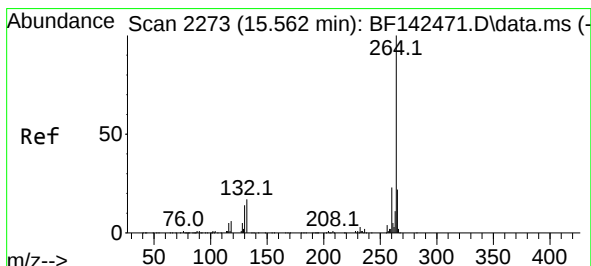
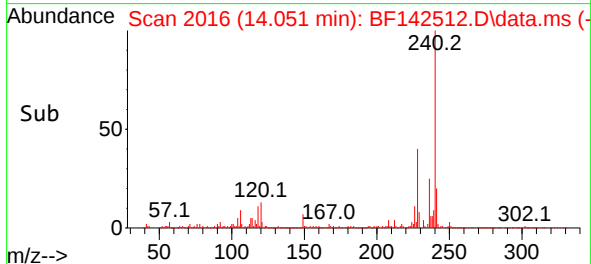
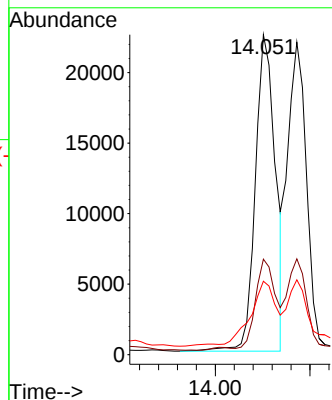
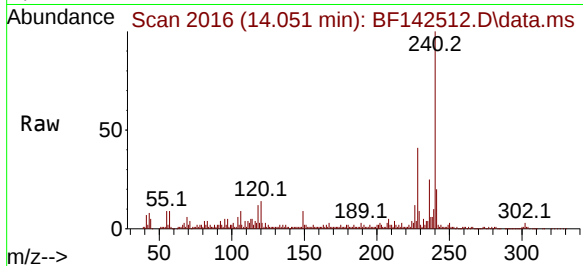




#83
Chrysene
Concen: 3.043 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.053 min
Lab File: BF142512.D
Acq: 22 May 2025 16:04

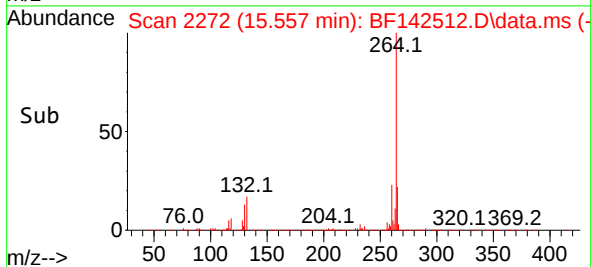
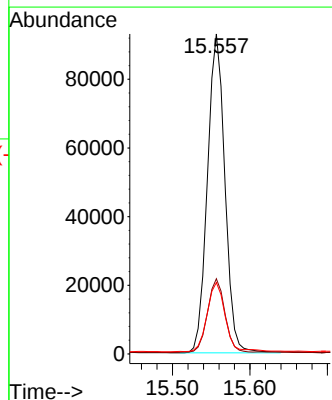
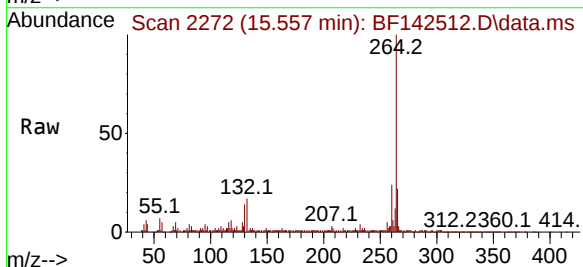
Instrument :
BNA_F
ClientSampleId :
TP-B

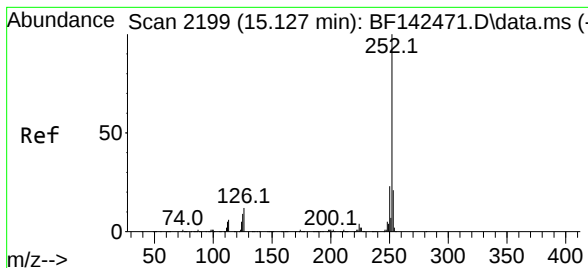
Tgt Ion:228 Resp: 33045
Ion Ratio Lower Upper
228 100
226 29.9 23.8 35.6
229 23.0 15.4 23.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.012 min
Lab File: BF142512.D
Acq: 22 May 2025 16:04

Tgt Ion:264 Resp: 145750
Ion Ratio Lower Upper
264 100
260 23.5 18.6 28.0
265 22.3 17.7 26.5





#88

Benzo(b)fluoranthene

Concen: 5.585 ng

RT: 15.115 min Scan# 2197

Delta R.T. -0.012 min

Lab File: BF142512.D

Acq: 22 May 2025 16:04

Instrument :

BNA_F

ClientSampleId :

TP-B

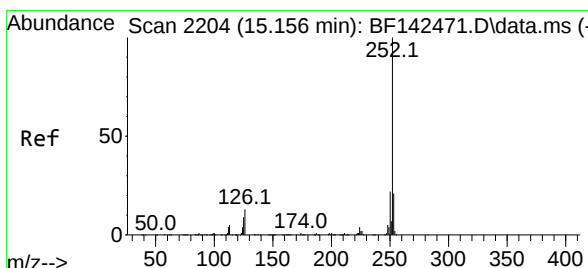
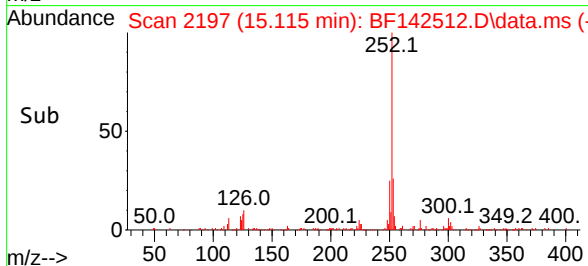
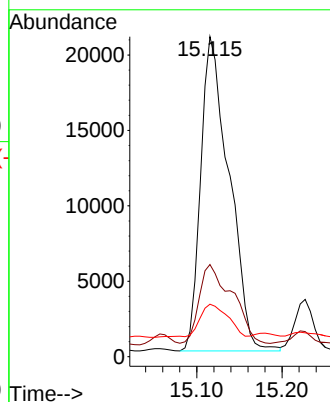
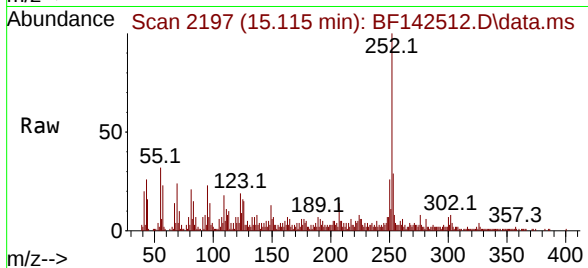
Tgt Ion:252 Resp: 48179

Ion Ratio Lower Upper

252 100

253 28.8 17.0 25.4#

125 16.4 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 5.963 ng

RT: 15.115 min Scan# 2197

Delta R.T. -0.047 min

Lab File: BF142512.D

Acq: 22 May 2025 16:04

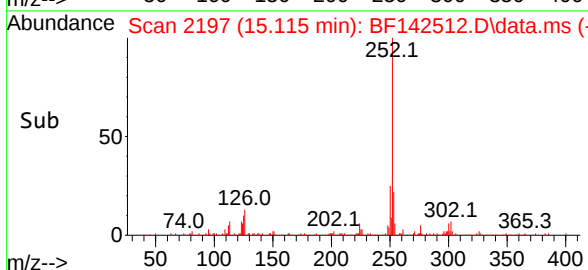
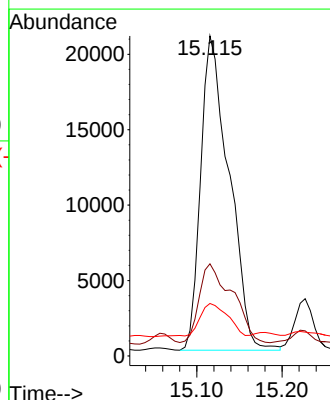
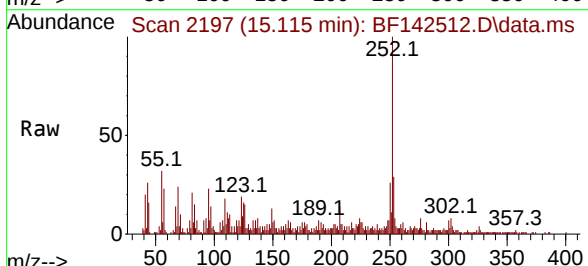
Tgt Ion:252 Resp: 48179

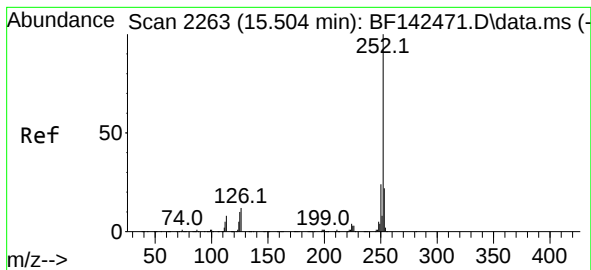
Ion Ratio Lower Upper

252 100

253 28.8 17.0 25.4#

125 16.4 7.3 10.9#





#90

Benzo(a)pyrene

Concen: 3.021 ng

RT: 15.492 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF142512.D

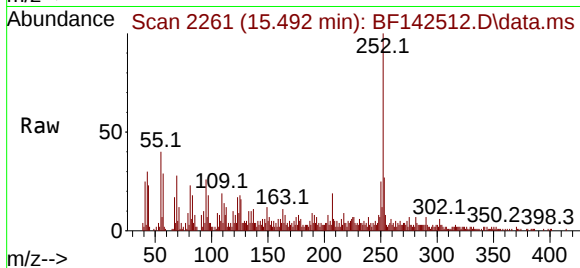
Acq: 22 May 2025 16:04

Instrument :

BNA_F

ClientSampleId :

TP-B



Tgt Ion:252 Resp: 24565

Ion Ratio Lower Upper

252 100

253 27.2 17.4 26.0#

125 18.2 7.9 11.9#

