

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
 Data File : BF142268.D
 Acq On : 01 May 2025 18:55
 Operator : RC/JU
 Sample : Q1901-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-167-SB01

Quant Time: May 02 01:07:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 16:00:01 2025
 Response via : Initial Calibration

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

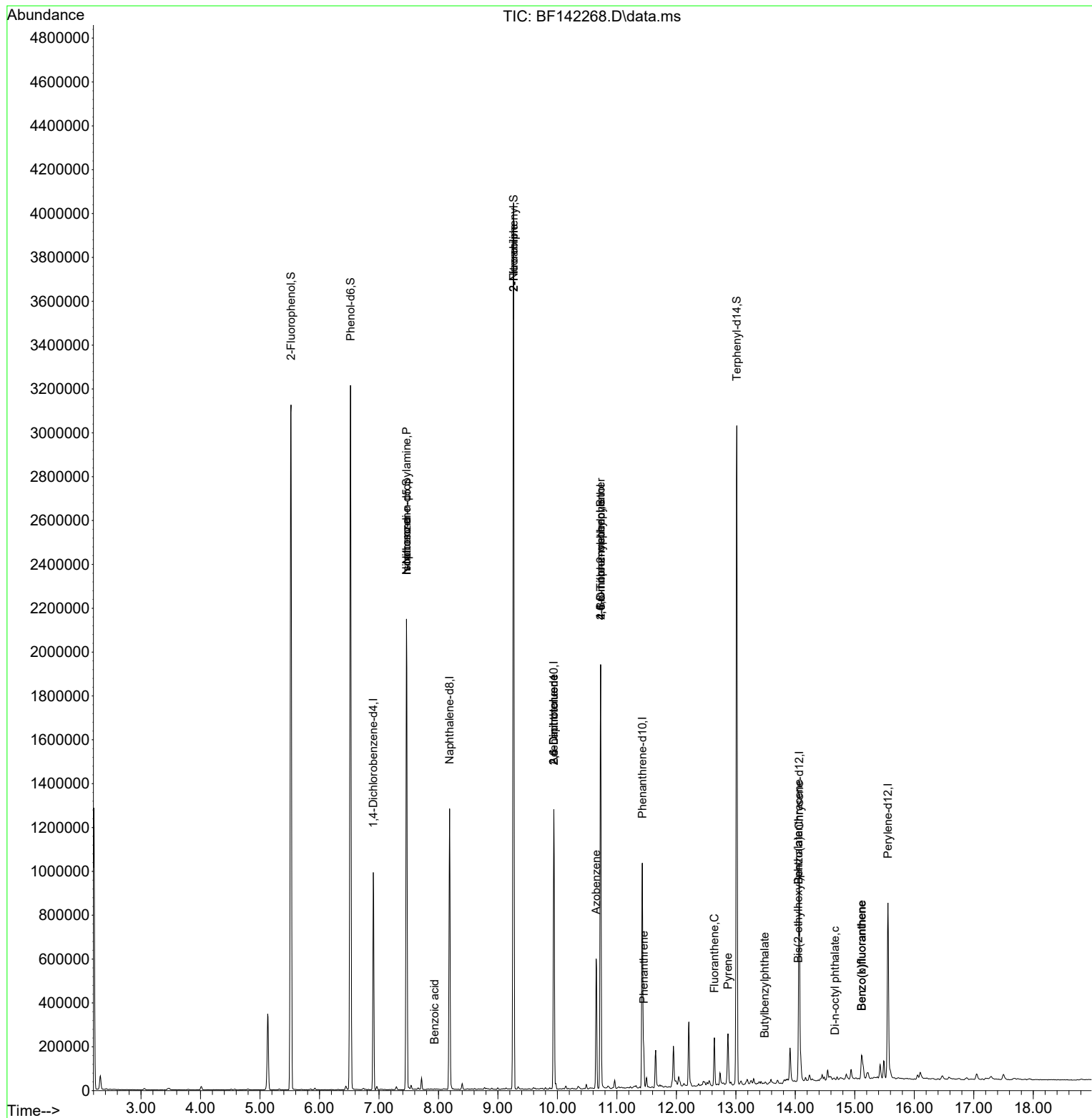
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	204691	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	764165	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	363631	20.000	ng	-0.01
64) Phenanthrene-d10	11.428	188	501735	20.000	ng	0.00
76) Chrysene-d12	14.069	240	437339	20.000	ng	0.00
86) Perylene-d12	15.557	264	454707	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1242920	96.976	ng	0.00
7) Phenol-d6	6.522	99	1558191	100.677	ng	0.00
23) Nitrobenzene-d5	7.463	82	887702	76.318	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	316490	95.472	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1770634	68.656	ng	0.00
79) Terphenyl-d14	13.016	244	1430017	47.556	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	119980	12.545	ng	# 81
25) Isophorone	7.463	82	886411	36.311	ng	# 64
32) Benzoic acid	7.934	122	55	10.815	ng	# 1
48) 2-Nitroaniline	9.263	65	3132	5.277	ng	# 1
51) 2,6-Dinitrotoluene	9.939	165	46523	13.577	ng	# 24
57) 2,4-Dinitrotoluene	9.939	165	46523	12.738	ng	# 23
63) Azobenzene	10.651	77	144005	6.348	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.728	198	770	10.974	ng	# 1
67) 4-Bromophenyl-phenylether	10.728	248	19535	3.496	ng	# 1
71) Phenanthrene	11.451	178	92016	3.395	ng	98
75) Fluoranthene	12.639	202	118025	4.405	ng	97
78) Pyrene	12.869	202	130978	3.247	ng	99
80) Butylbenzylphthalate	13.486	149	783	3.782	ng	# 45
81) Benzo(a)anthracene	14.057	228	69181	2.356	ng	97
84) Bis(2-ethylhexyl)phtha...	14.051	149	9843	4.052	ng	97
85) Di-n-octyl phthalate	14.668	149	660	6.089	ng	# 73
88) Benzo(b)fluoranthene	15.116	252	93502	3.310	ng	97
89) Benzo(k)fluoranthene	15.116	252	93502	3.619	ng	97

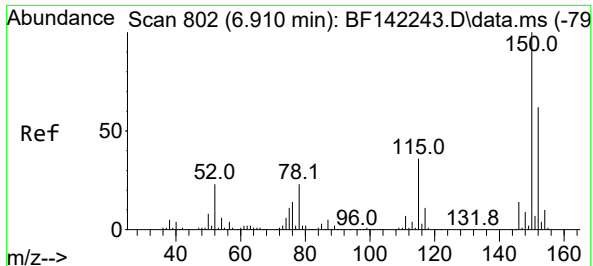
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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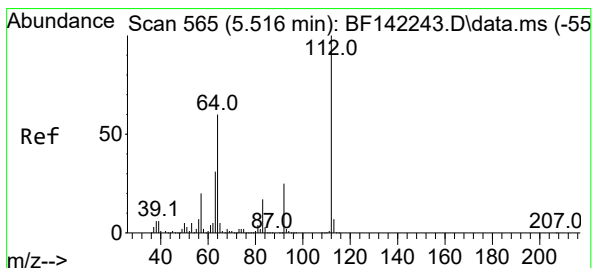
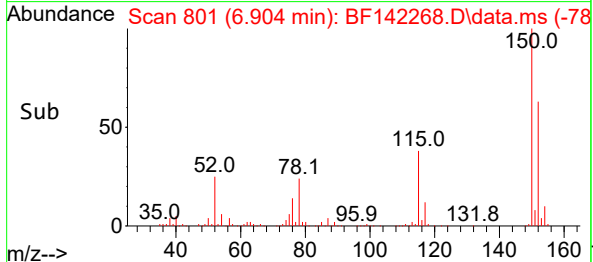
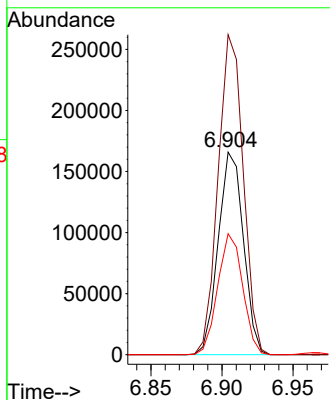
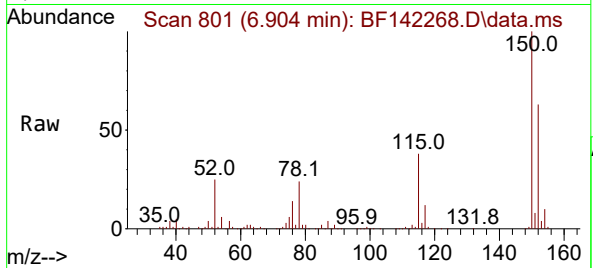




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142268.D
Acq: 01 May 2025 18:55

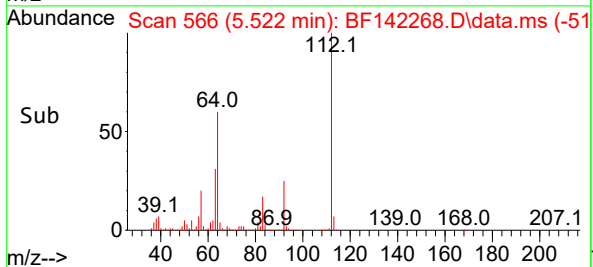
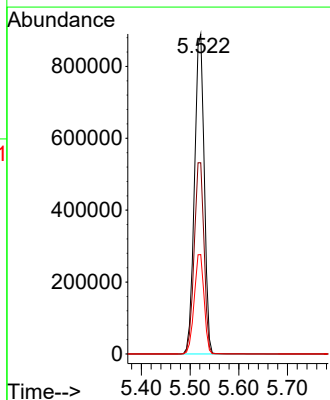
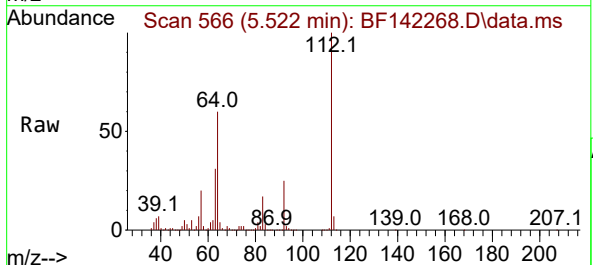
Instrument :
BNA_F
ClientSampleId :
B-167-SB01

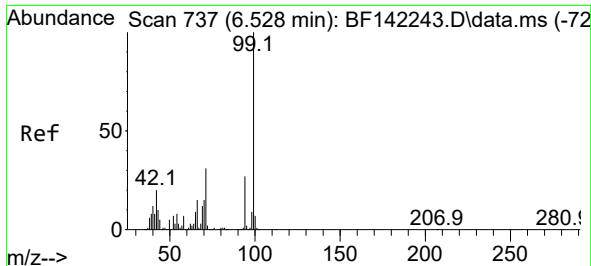
Tgt Ion:152 Resp: 204691
Ion Ratio Lower Upper
152 100
150 157.9 130.2 195.2
115 59.7 47.0 70.4



#5
2-Fluorophenol
Concen: 96.976 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.006 min
Lab File: BF142268.D
Acq: 01 May 2025 18:55

Tgt Ion:112 Resp: 1242920
Ion Ratio Lower Upper
112 100
64 59.8 48.4 72.6
63 31.0 24.8 37.2

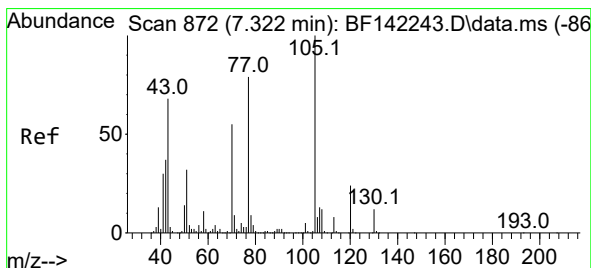
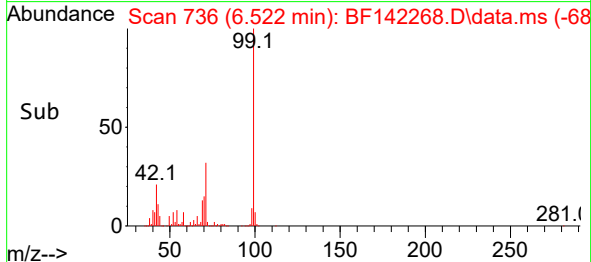
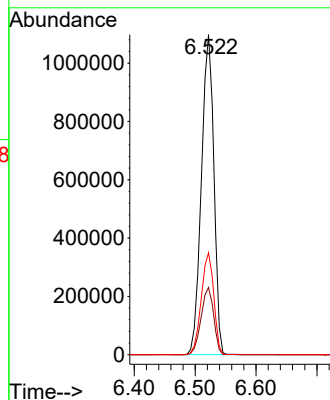
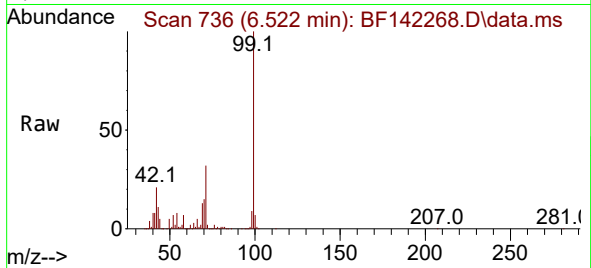




#7
Phenol-d6
Concen: 100.677 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142268.D
Acq: 01 May 2025 18:55

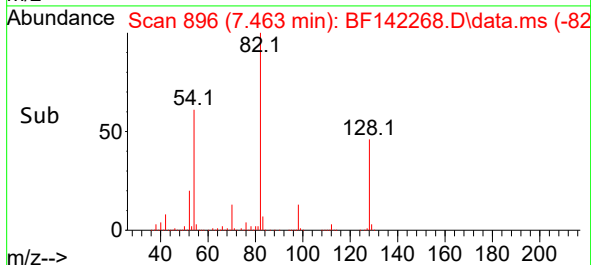
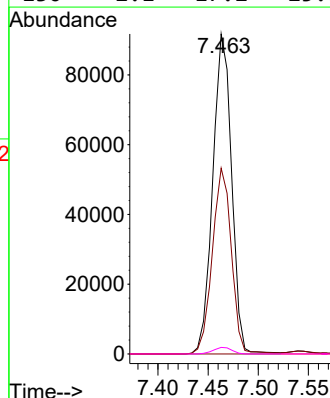
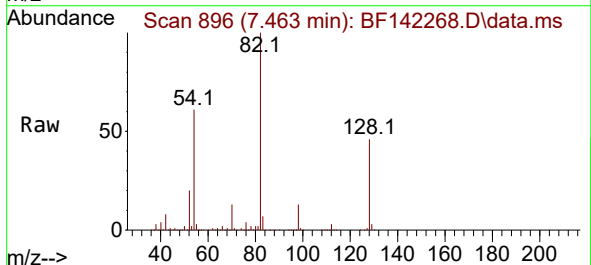
Instrument :
BNA_F
ClientSampleId :
B-167-SB01

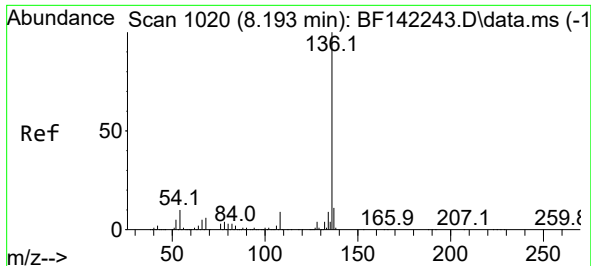
Tgt Ion: 99 Resp: 1558191
Ion Ratio Lower Upper
99 100
42 21.0 16.3 24.5
71 31.9 25.0 37.4



#19
n-Nitroso-di-n-propylamine
Concen: 12.545 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.141 min
Lab File: BF142268.D
Acq: 01 May 2025 18:55

Tgt Ion: 70 Resp: 119980
Ion Ratio Lower Upper
70 100
42 58.0 53.4 80.2
101 0.0 7.7 11.5#
130 2.1 17.2 25.8#

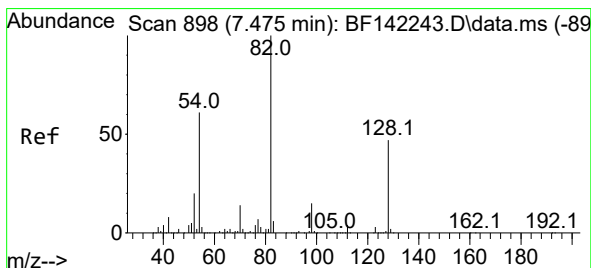
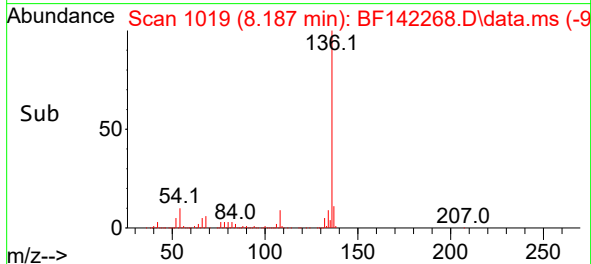
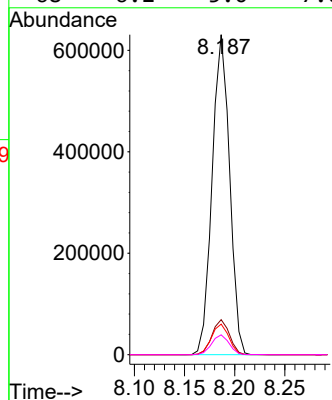
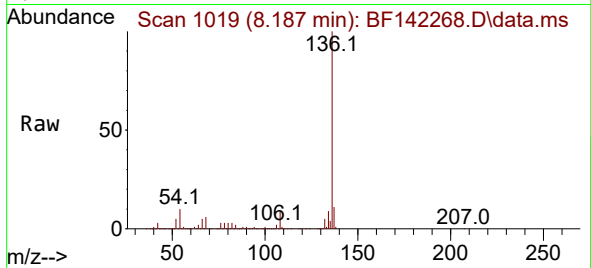




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142268.D
Acq: 01 May 2025 18:55

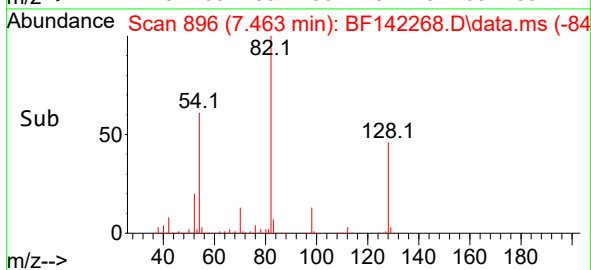
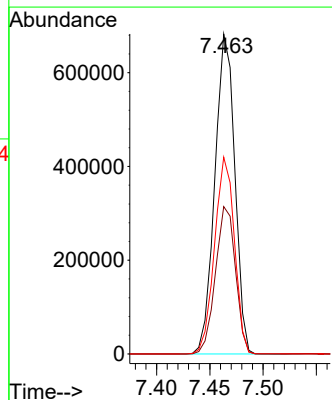
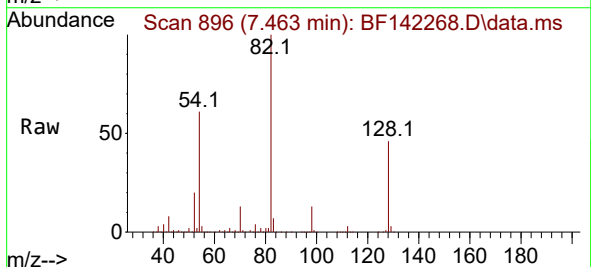
Instrument :
BNA_F
ClientSampleId :
B-167-SB01

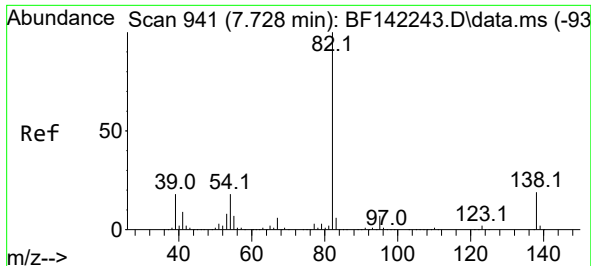
Tgt Ion:136 Resp: 764165
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 9.5 7.7 11.5
68 6.2 5.0 7.6



#23
Nitrobenzene-d5
Concen: 76.318 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF142268.D
Acq: 01 May 2025 18:55

Tgt Ion: 82 Resp: 887702
Ion Ratio Lower Upper
82 100
128 46.0 37.0 55.6
54 61.5 48.0 72.0

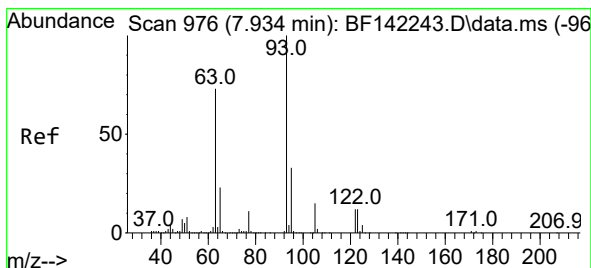
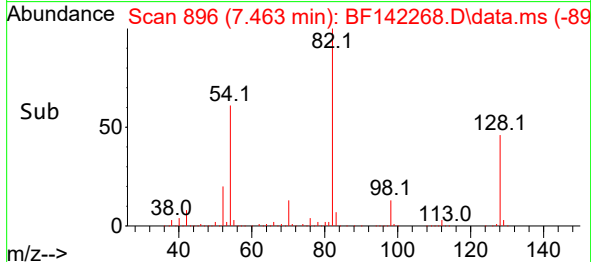
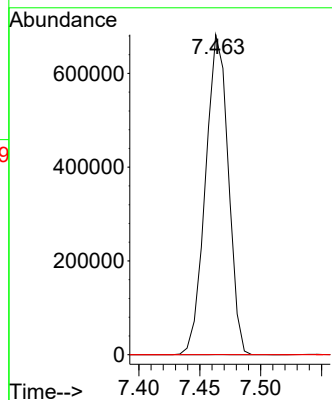
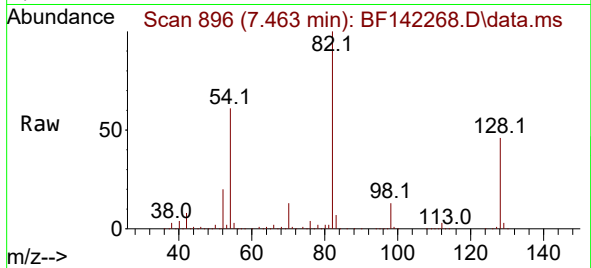




#25
Isophorone
Concen: 36.311 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF142268.D
Acq: 01 May 2025 18:55

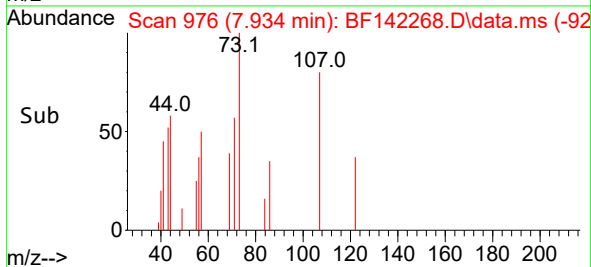
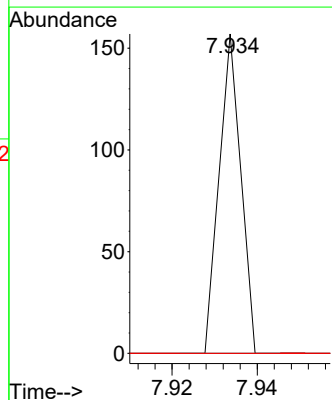
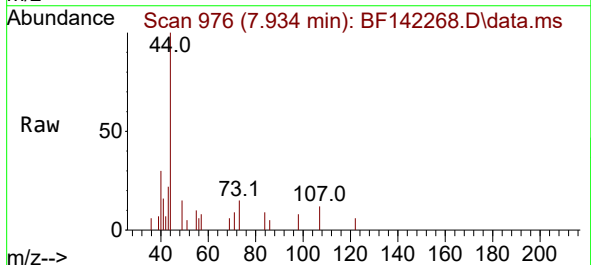
Instrument :
BNA_F
ClientSampleId :
B-167-SB01

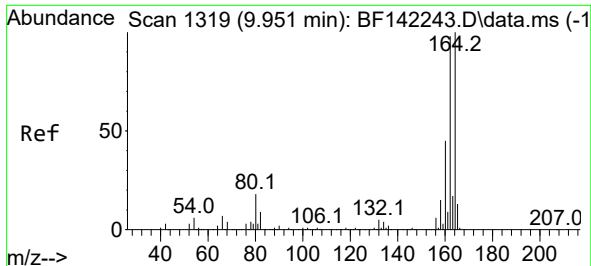
Tgt Ion: 82 Resp: 886411
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 15.3 22.9#



#32
Benzoic acid
Concen: 10.815 ng
RT: 7.934 min Scan# 976
Delta R.T. -0.000 min
Lab File: BF142268.D
Acq: 01 May 2025 18:55

Tgt Ion:122 Resp: 55
Ion Ratio Lower Upper
122 100
105 0.0 98.2 138.2#
77 0.0 66.8 106.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142268.D

Acq: 01 May 2025 18:55

Instrument :

BNA_F

ClientSampleId :

B-167-SB01

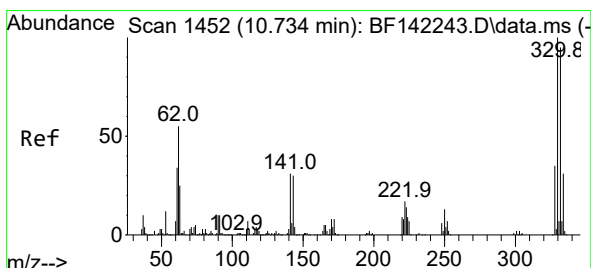
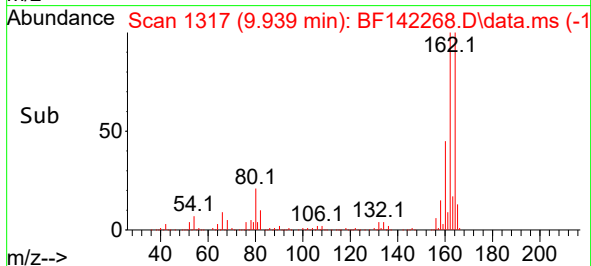
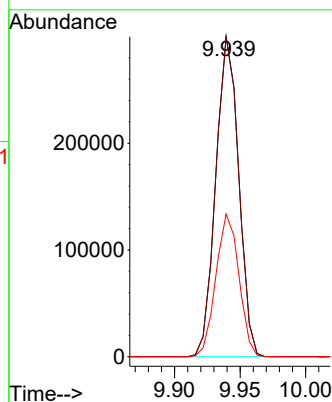
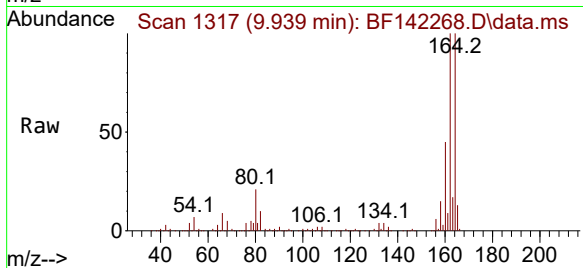
Tgt Ion:164 Resp: 363631

Ion Ratio Lower Upper

164 100

162 99.9 78.6 117.8

160 44.6 35.7 53.5



#42

2,4,6-Tribromophenol

Concen: 95.472 ng

RT: 10.728 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF142268.D

Acq: 01 May 2025 18:55

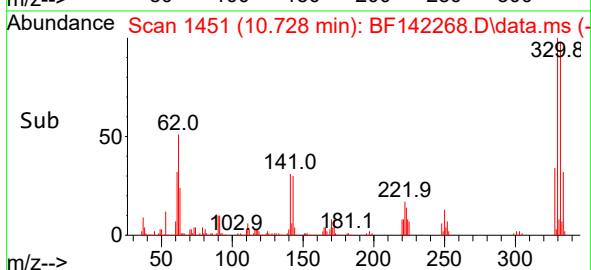
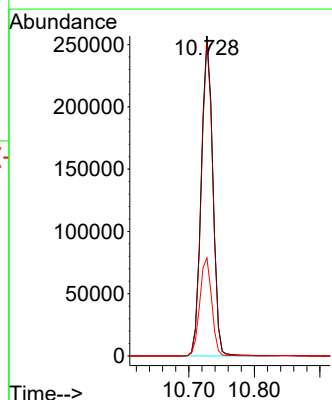
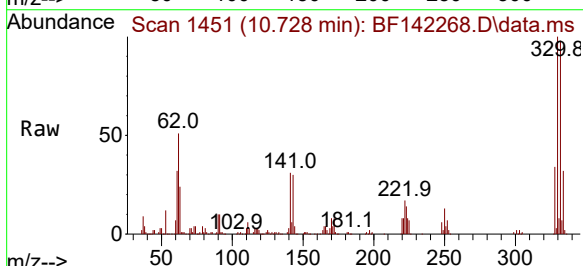
Tgt Ion:330 Resp: 316490

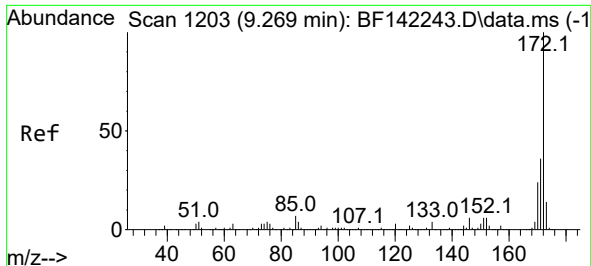
Ion Ratio Lower Upper

330 100

332 97.9 76.5 114.7

141 31.6 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 68.656 ng

RT: 9.263 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142268.D

Acq: 01 May 2025 18:55

Instrument :

BNA_F

ClientSampleId :

B-167-SB01

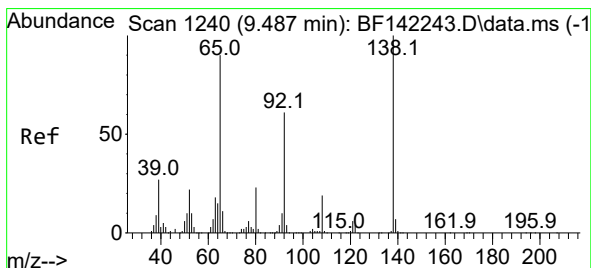
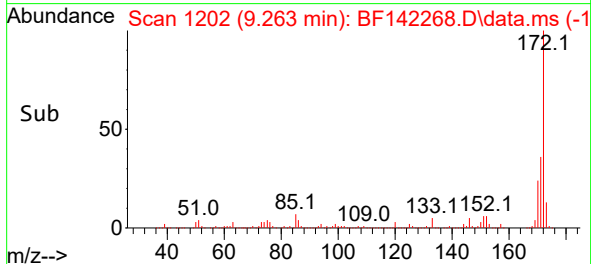
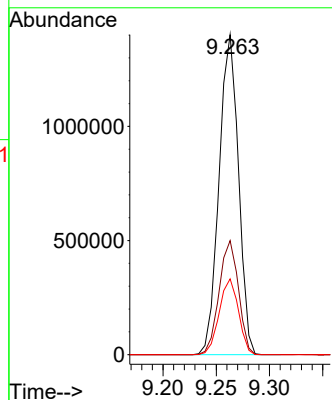
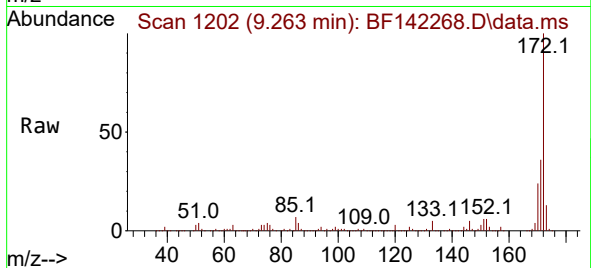
Tgt Ion:172 Resp: 1770634

Ion Ratio Lower Upper

172 100

171 35.7 29.0 43.4

170 23.7 19.4 29.0



#48

2-Nitroaniline

Concen: 5.277 ng

RT: 9.263 min Scan# 1202

Delta R.T. -0.224 min

Lab File: BF142268.D

Acq: 01 May 2025 18:55

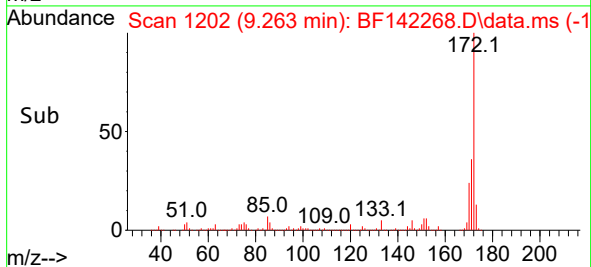
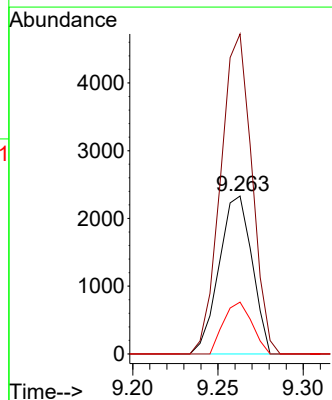
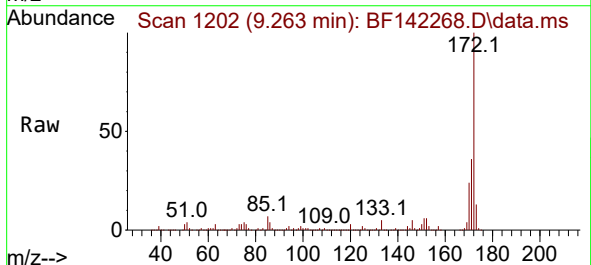
Tgt Ion: 65 Resp: 3132

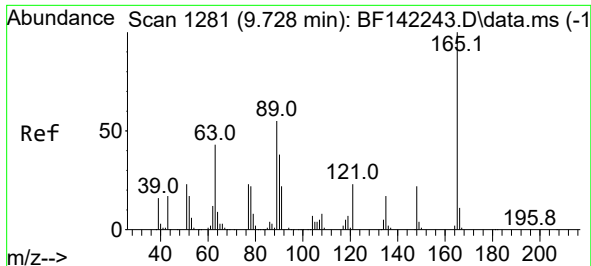
Ion Ratio Lower Upper

65 100

92 202.6 54.3 81.5#

138 32.9 88.6 133.0#

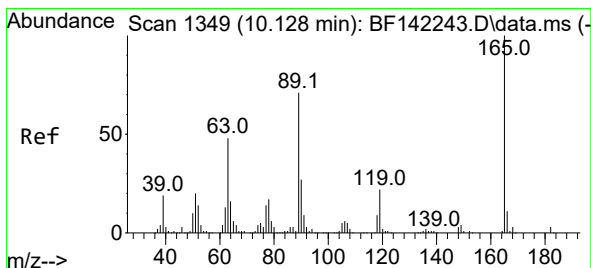
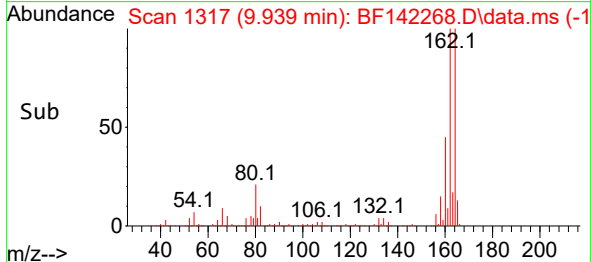
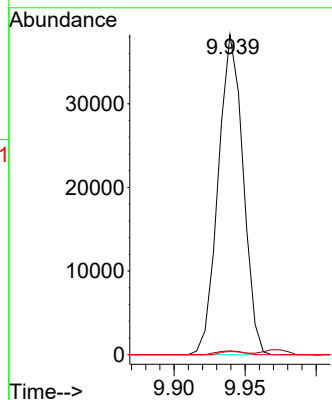
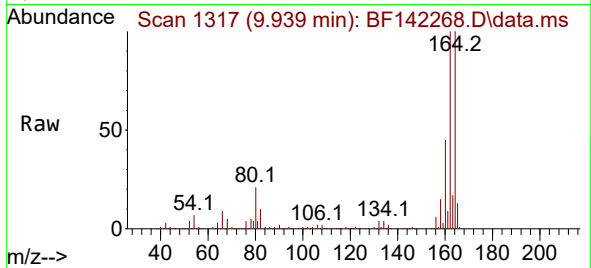




#51
2,6-Dinitrotoluene
Concen: 13.577 ng
RT: 9.939 min Scan# 1317
Delta R.T. 0.211 min
Lab File: BF142268.D
Acq: 01 May 2025 18:55

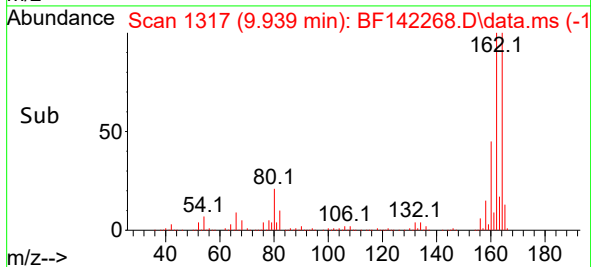
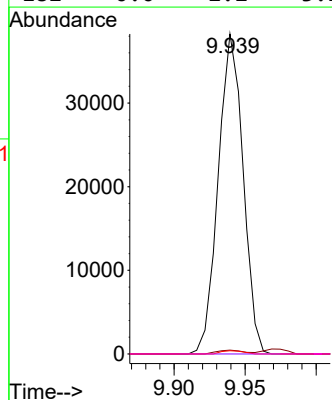
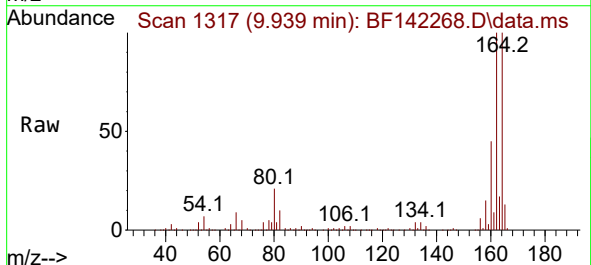
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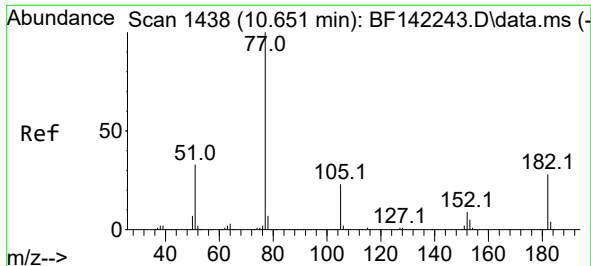
Tgt Ion:165 Resp: 46523
Ion Ratio Lower Upper
165 100
63 1.2 48.5 72.7#
89 1.0 43.9 65.9#



#57
2,4-Dinitrotoluene
Concen: 12.738 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.189 min
Lab File: BF142268.D
Acq: 01 May 2025 18:55

Tgt Ion:165 Resp: 46523
Ion Ratio Lower Upper
165 100
63 1.2 38.8 58.2#
89 1.0 57.1 85.7#
182 0.0 2.2 3.2#

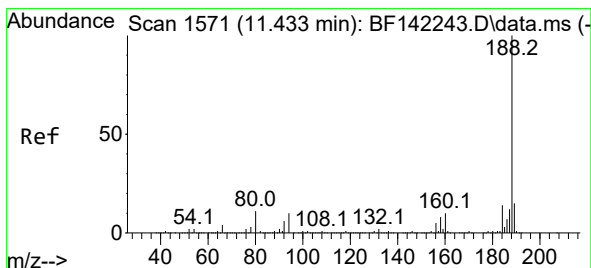
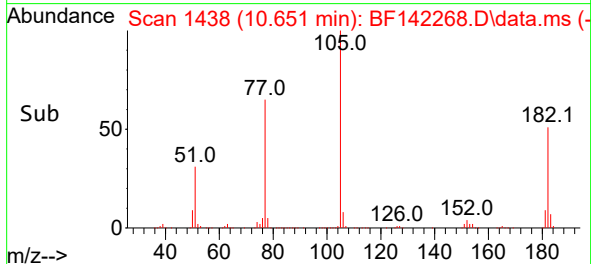
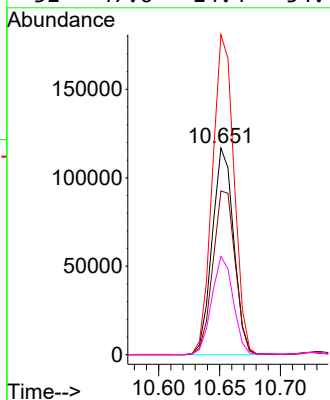
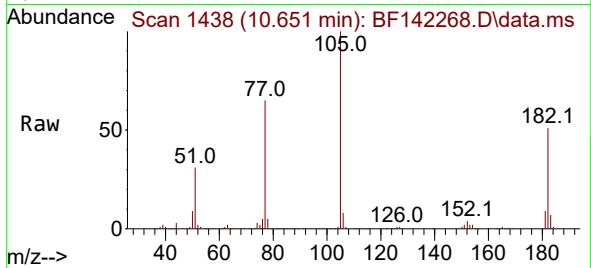




#63
Azobenzene
Concen: 6.348 ng
RT: 10.651 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142268.D
Acq: 01 May 2025 18:55

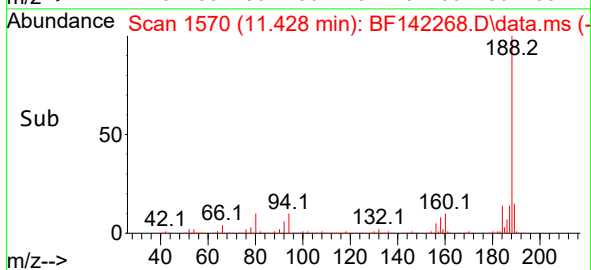
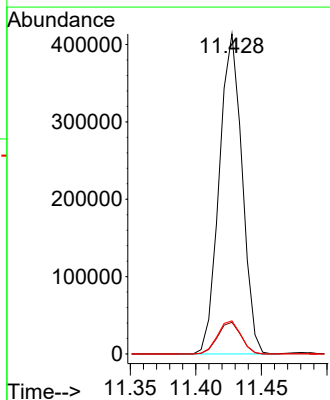
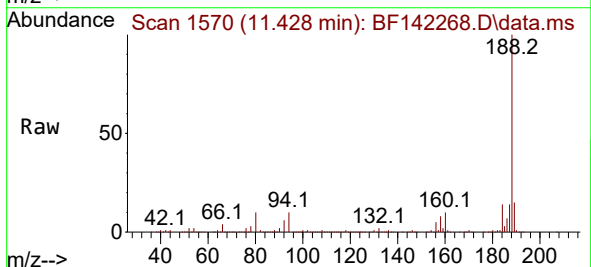
Instrument :
BNA_F
ClientSampleId :
B-167-SB01

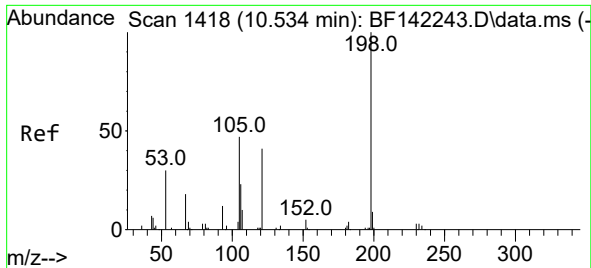
Tgt Ion: 77 Resp: 144005
Ion Ratio Lower Upper
77 100
182 79.2 7.3 47.3#
105 154.9 2.5 42.5#
51 47.6 14.4 54.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142268.D
Acq: 01 May 2025 18:55

Tgt Ion: 188 Resp: 501735
Ion Ratio Lower Upper
188 100
94 9.9 8.2 12.2
80 10.4 8.6 12.8

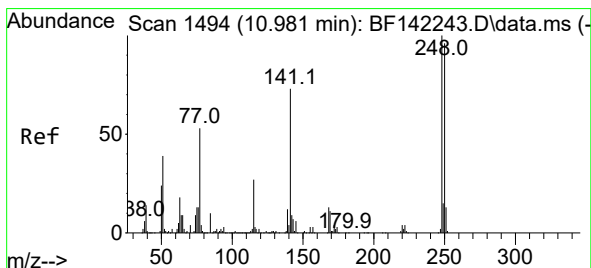
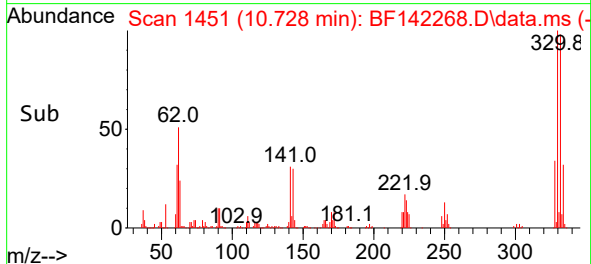
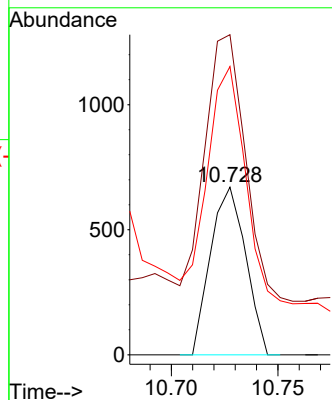
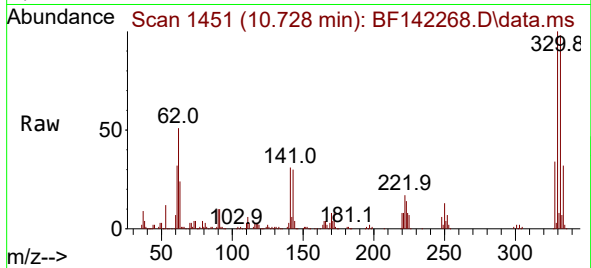




#65
4,6-Dinitro-2-methylphenol
Concen: 10.974 ng
RT: 10.728 min Scan# 1418
Delta R.T. 0.194 min
Lab File: BF142268.D
Acq: 01 May 2025 18:55

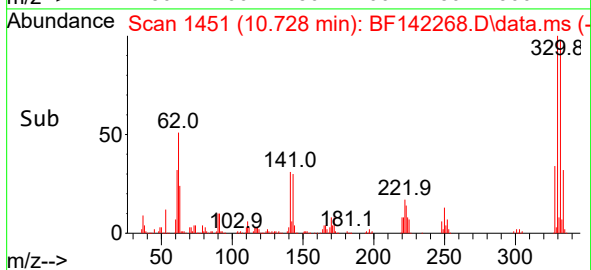
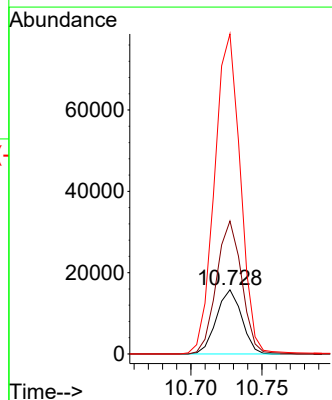
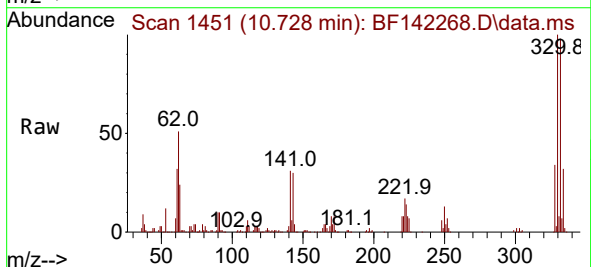
Instrument :
BNA_F
ClientSampleId :
B-167-SB01

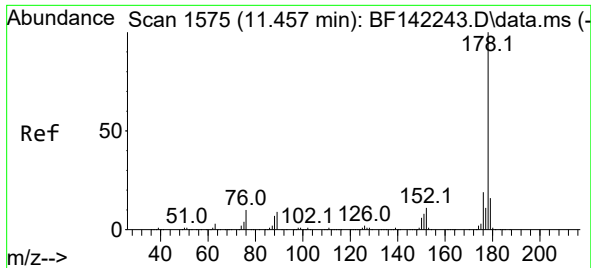
Tgt Ion:198 Resp: 770
Ion Ratio Lower Upper
198 100
51 191.0 40.6 80.6#
105 172.1 29.2 69.2#



#67
4-Bromophenyl-phenylether
Concen: 3.496 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.253 min
Lab File: BF142268.D
Acq: 01 May 2025 18:55

Tgt Ion:248 Resp: 19535
Ion Ratio Lower Upper
248 100
250 207.2 77.2 115.8#
141 498.3 58.4 87.6#

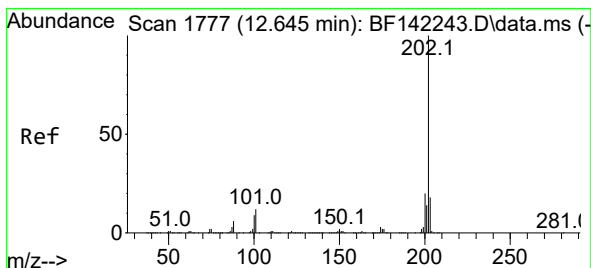
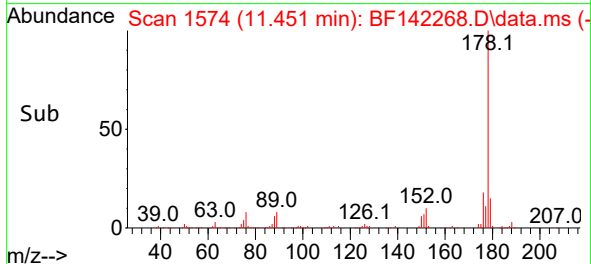
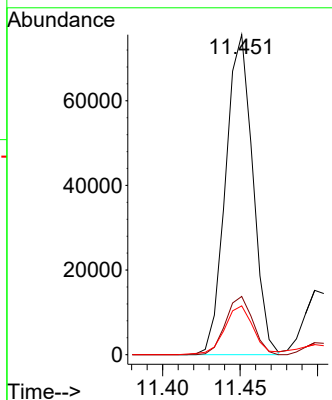
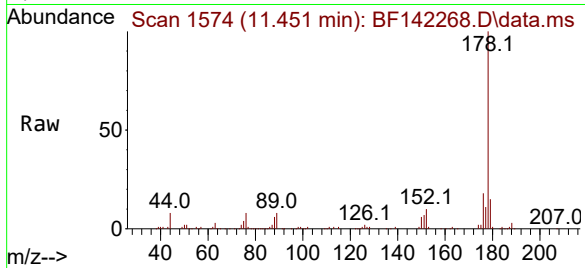




#71
Phenanthrene
Concen: 3.395 ng
RT: 11.451 min Scan# 1174
Delta R.T. -0.006 min
Lab File: BF142268.D
Acq: 01 May 2025 18:55

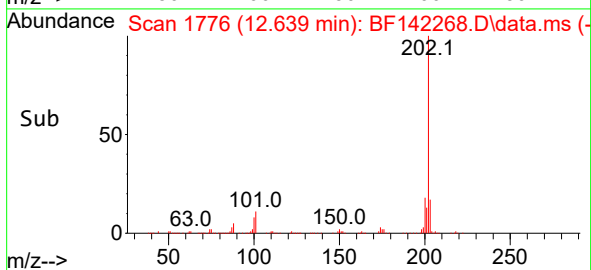
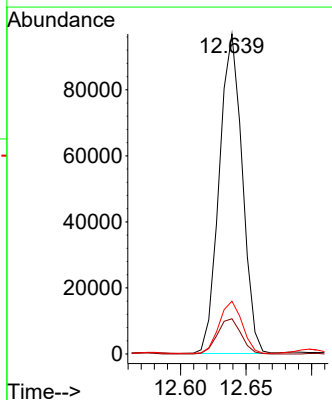
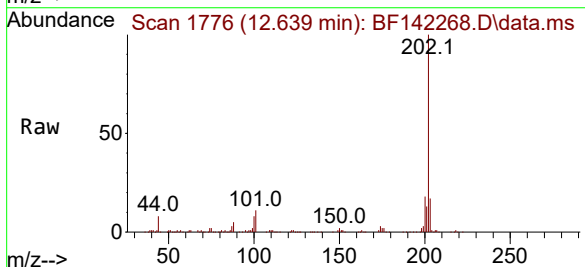
Instrument :
BNA_F
ClientSampleId :
B-167-SB01

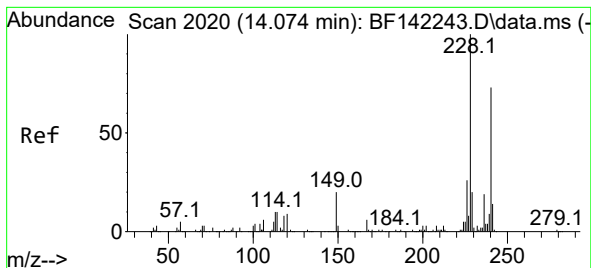
Tgt Ion:178 Resp: 92016
Ion Ratio Lower Upper
178 100
176 18.2 15.5 23.3
179 15.2 12.6 19.0



#75
Fluoranthene
Concen: 4.405 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142268.D
Acq: 01 May 2025 18:55

Tgt Ion:202 Resp: 118025
Ion Ratio Lower Upper
202 100
101 11.0 0.0 32.4
203 16.5 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.069 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142268.D

Acq: 01 May 2025 18:55

Instrument :

BNA_F

ClientSampleId :

B-167-SB01

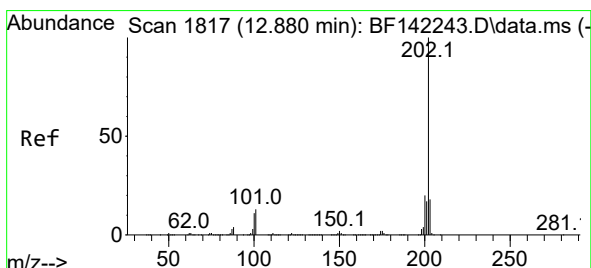
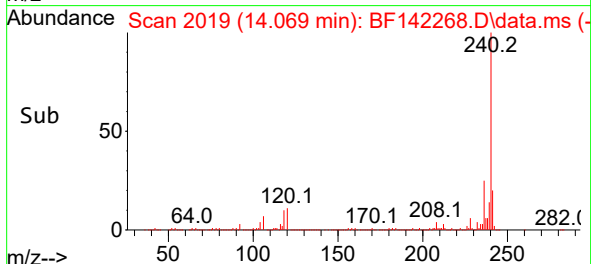
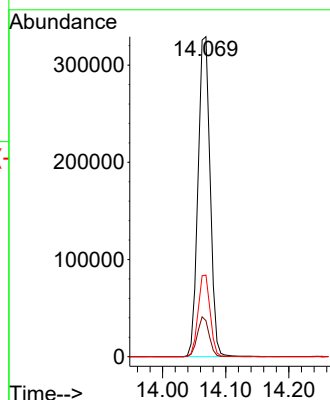
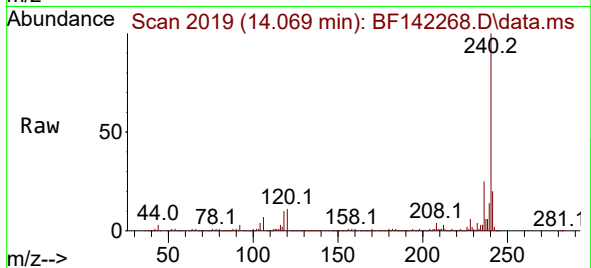
Tgt Ion:240 Resp: 437339

Ion Ratio Lower Upper

240 100

120 11.2 10.1 15.1

236 25.5 20.5 30.7



#78

Pyrene

Concen: 3.247 ng

RT: 12.869 min Scan# 1815

Delta R.T. -0.012 min

Lab File: BF142268.D

Acq: 01 May 2025 18:55

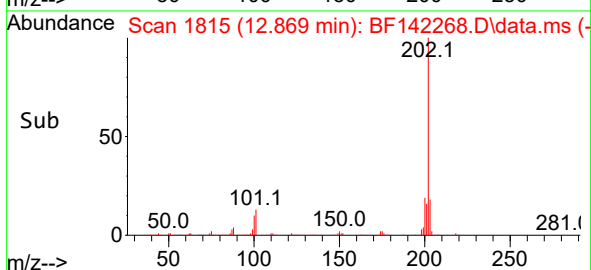
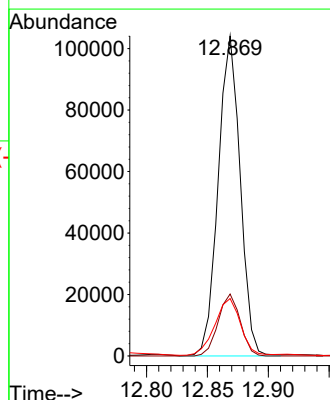
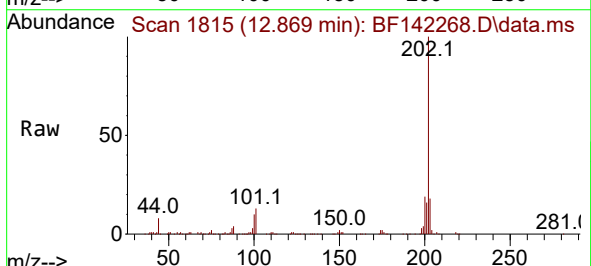
Tgt Ion:202 Resp: 130978

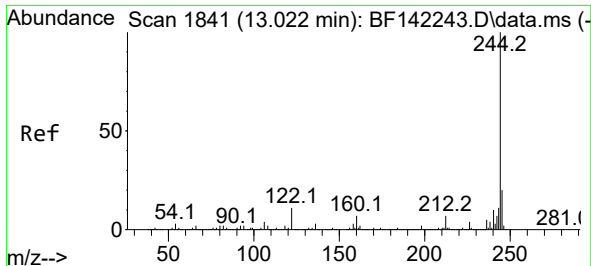
Ion Ratio Lower Upper

202 100

200 19.3 16.1 24.1

203 18.0 14.1 21.1

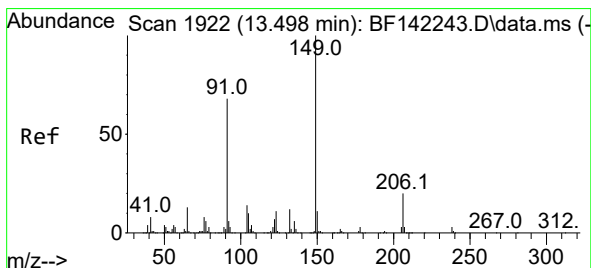
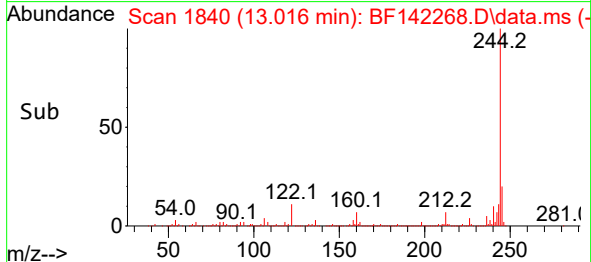
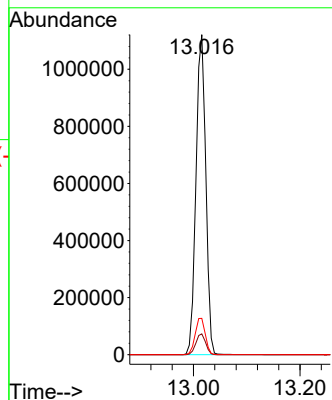
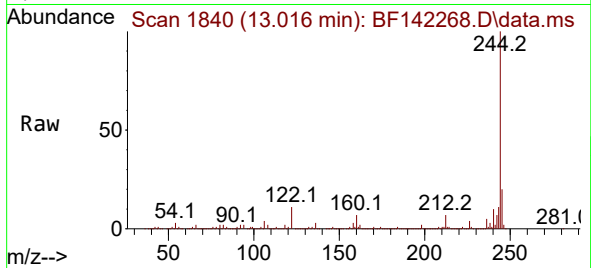




#79
 Terphenyl-d14
 Concen: 47.556 ng
 RT: 13.016 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF142268.D
 Acq: 01 May 2025 18:55

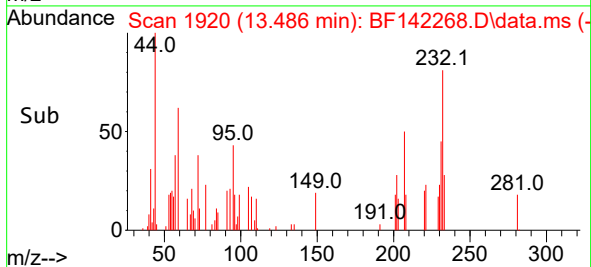
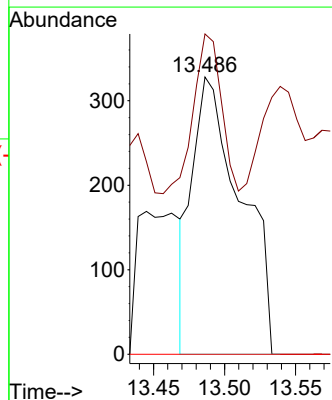
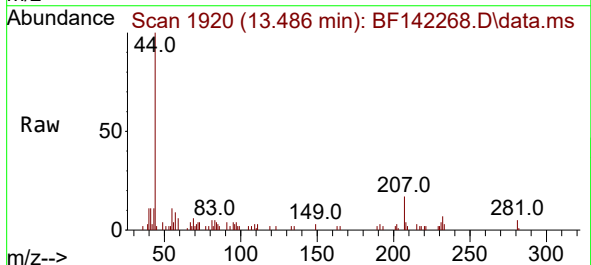
Instrument :
 BNA_F
 ClientSampleId :
 B-167-SB01

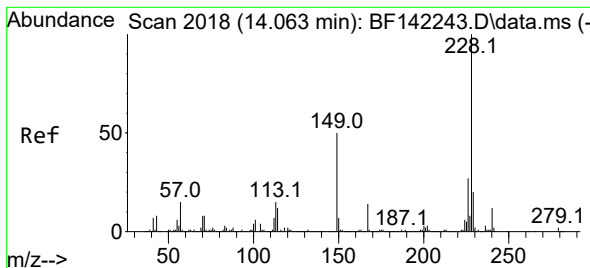
Tgt Ion:244 Resp: 1430017
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.3 7.9
 122 11.3 9.1 13.7



#80
 Butylbenzylphthalate
 Concen: 3.782 ng
 RT: 13.486 min Scan# 1920
 Delta R.T. -0.012 min
 Lab File: BF142268.D
 Acq: 01 May 2025 18:55

Tgt Ion:149 Resp: 783
 Ion Ratio Lower Upper
 149 100
 91 115.5 54.4 81.6#
 206 0.0 15.9 23.9#





#81

Benzo(a)anthracene

Concen: 2.356 ng

RT: 14.057 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF142268.D

Acq: 01 May 2025 18:55

Instrument :

BNA_F

ClientSampleId :

B-167-SB01

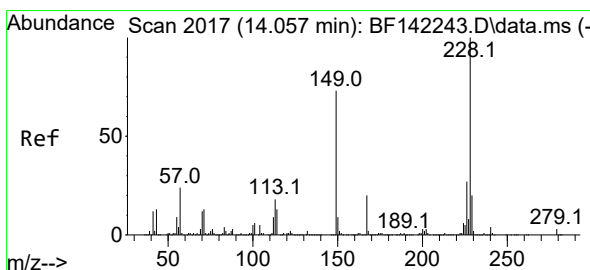
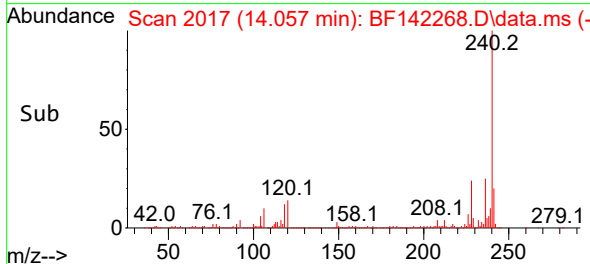
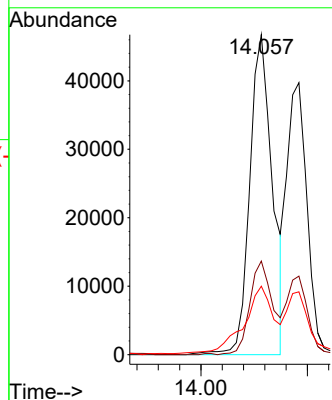
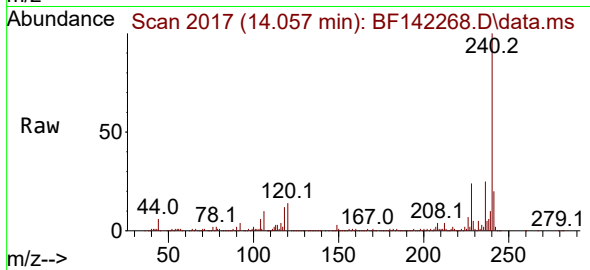
Tgt Ion:228 Resp: 69181

Ion Ratio Lower Upper

228 100

226 29.2 21.9 32.9

229 21.4 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.052 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF142268.D

Acq: 01 May 2025 18:55

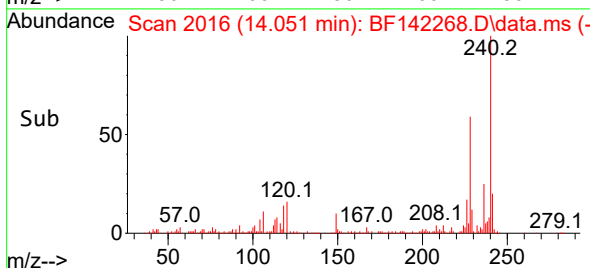
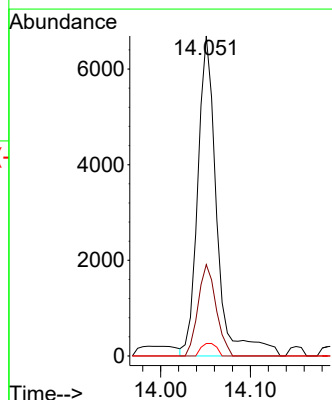
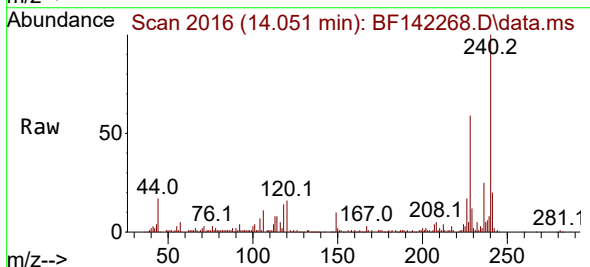
Tgt Ion:149 Resp: 9843

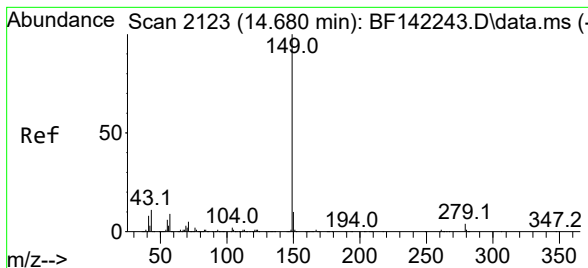
Ion Ratio Lower Upper

149 100

167 28.6 21.7 32.5

279 3.9 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 6.089 ng

RT: 14.668 min Scan# 2121

Delta R.T. -0.012 min

Lab File: BF142268.D

Acq: 01 May 2025 18:55

Instrument :

BNA_F

ClientSampleId :

B-167-SB01

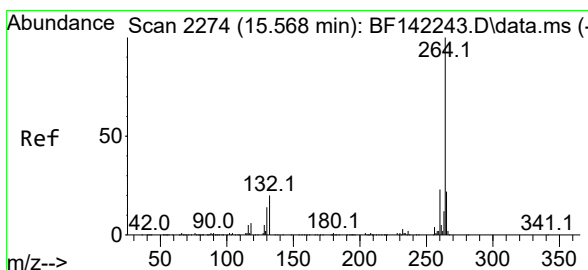
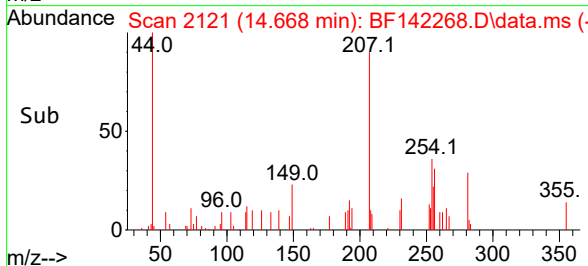
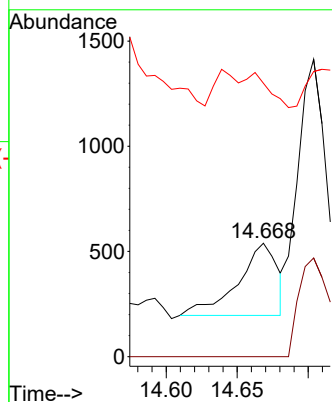
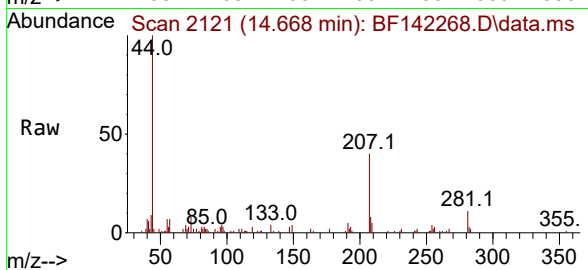
Tgt Ion:149 Resp: 660

Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

43 0.0 9.3 13.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2272

Delta R.T. -0.012 min

Lab File: BF142268.D

Acq: 01 May 2025 18:55

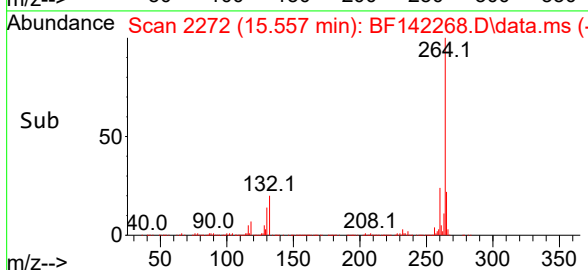
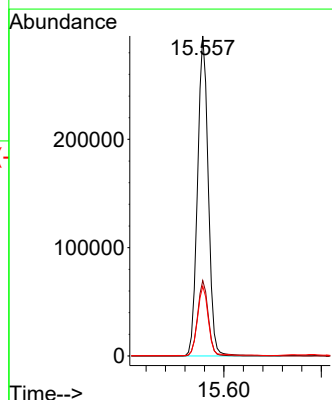
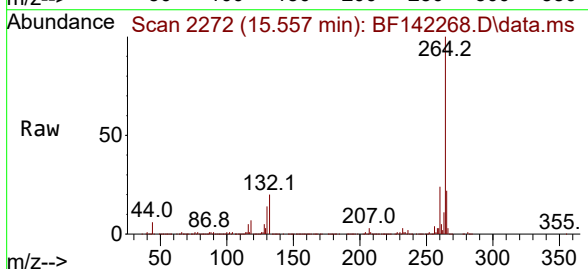
Tgt Ion:264 Resp: 454707

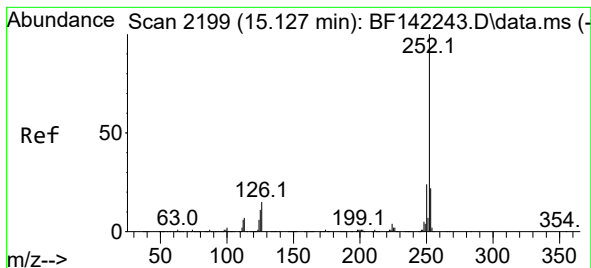
Ion Ratio Lower Upper

264 100

260 23.5 18.4 27.6

265 21.8 17.3 25.9





#88

Benzo(b)fluoranthene

Concen: 3.310 ng

RT: 15.116 min Scan# 2197

Delta R.T. -0.012 min

Lab File: BF142268.D

Acq: 01 May 2025 18:55

Instrument :

BNA_F

ClientSampleId :

B-167-SB01

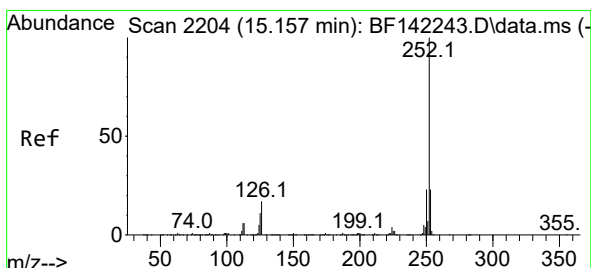
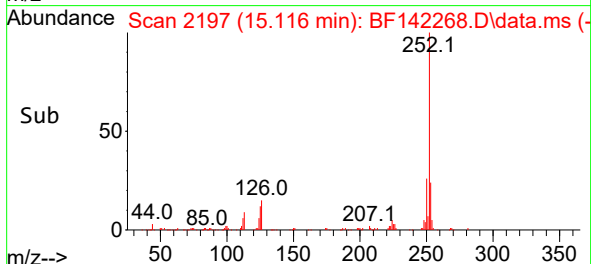
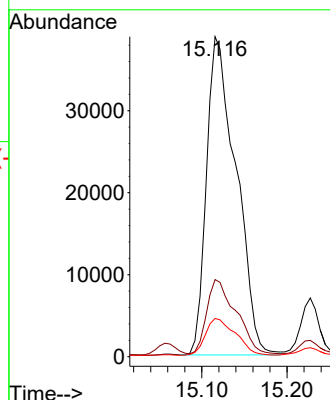
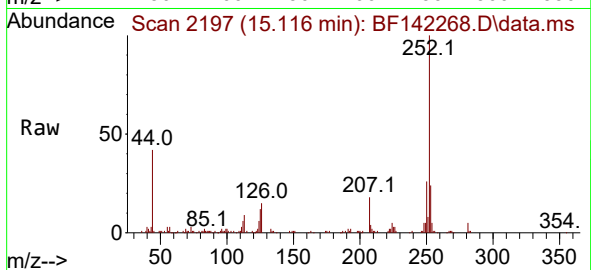
Tgt Ion:252 Resp: 93502

Ion Ratio Lower Upper

252 100

253 24.1 17.7 26.5

125 12.0 9.0 13.4



#89

Benzo(k)fluoranthene

Concen: 3.619 ng

RT: 15.116 min Scan# 2197

Delta R.T. -0.041 min

Lab File: BF142268.D

Acq: 01 May 2025 18:55

Tgt Ion:252 Resp: 93502

Ion Ratio Lower Upper

252 100

253 24.1 17.8 26.8

125 12.0 9.0 13.6

