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 Data File : BF141967.D
 Acq On : 14 Mar 2025 16:07
 Operator : RC/JU
 Sample : Q1549-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11978

Quant Time: Mar 14 16:58:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

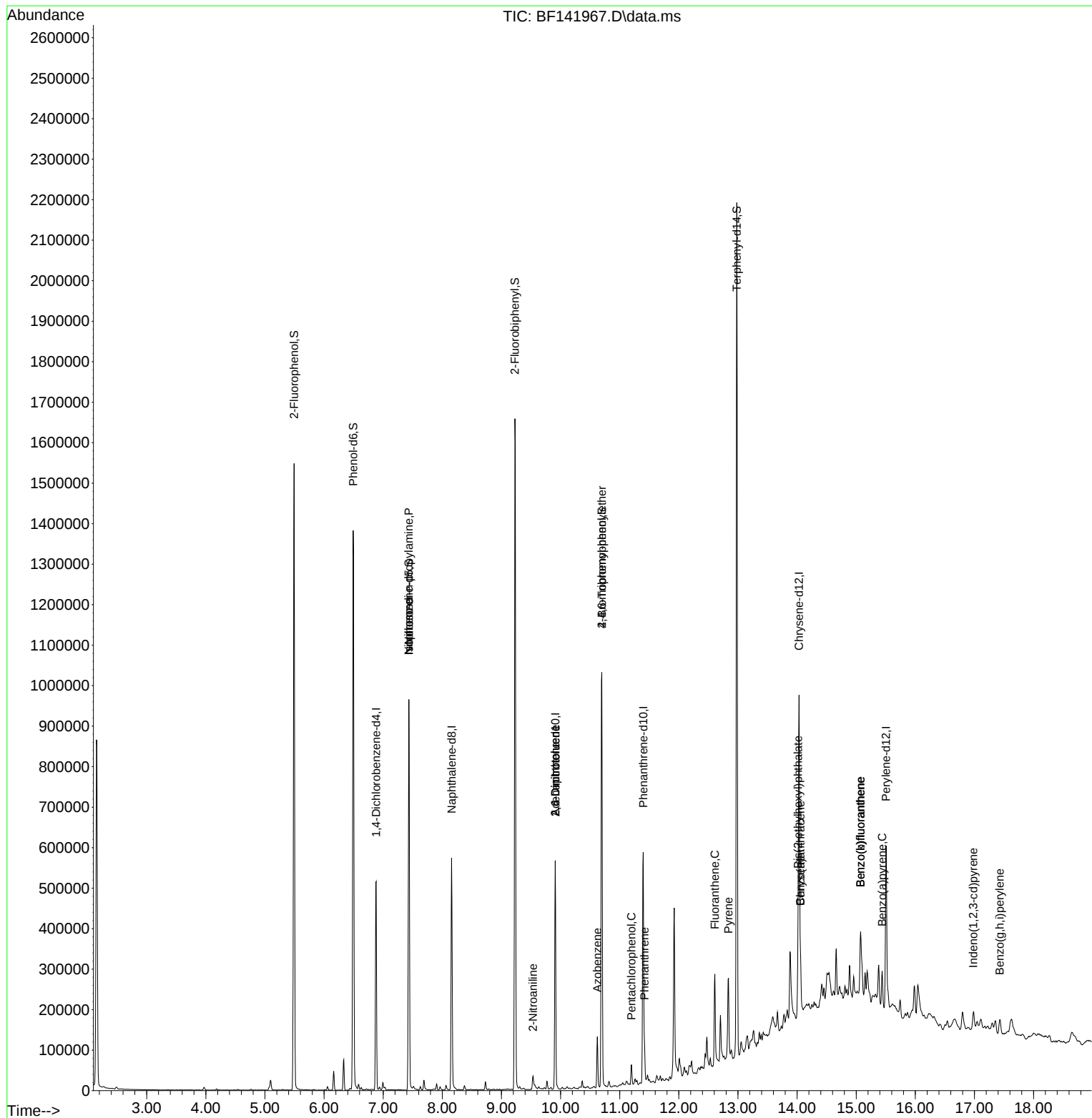
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	112706	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	365095	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	164947	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	297340	20.000	ng	0.00
76) Chrysene-d12	14.033	240	334585	20.000	ng	0.00
86) Perylene-d12	15.504	264	249377	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	586691	86.878	ng	0.00
7) Phenol-d6	6.492	99	661538	76.940	ng	-0.01
23) Nitrobenzene-d5	7.434	82	429422	66.191	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	186750	89.244	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	746926	68.867	ng	-0.01
79) Terphenyl-d14	12.980	244	1017218	44.949	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	58323	10.557	ng	# 78
25) Isophorone	7.434	82	424341	37.003	ng	# 64
48) 2-Nitroaniline	9.533	65	6501	2.404	ng	# 7
51) 2,6-Dinitrotoluene	9.910	165	21500	8.940	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	21500	6.845	ng	# 24
63) Azobenzene	10.622	77	30935	2.889	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	11828	3.167	ng	# 1
70) Pentachlorophenol	11.198	266	7554	2.994	ng	96
71) Phenanthrene	11.422	178	49709	3.095	ng	99
75) Fluoranthene	12.610	202	123480	7.248	ng	99
78) Pyrene	12.839	202	119809	4.140	ng	99
81) Benzo(a)anthracene	14.057	228	83268	3.793	ng	95
83) Chrysene	14.057	228	83268	4.184	ng	97
84) Bis(2-ethylhexyl)phtha...	14.015	149	38170	2.444	ng	99
87) Indeno(1,2,3-cd)pyrene	16.980	276	37129	2.302	ng	# 93
88) Benzo(b)fluoranthene	15.074	252	135484	7.927	ng	# 94
89) Benzo(k)fluoranthene	15.074	252	135484	9.263	ng	# 95
90) Benzo(a)pyrene	15.439	252	57630	4.309	ng	# 96
92) Benzo(g,h,i)perylene	17.427	276	37977	2.887	ng	95

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

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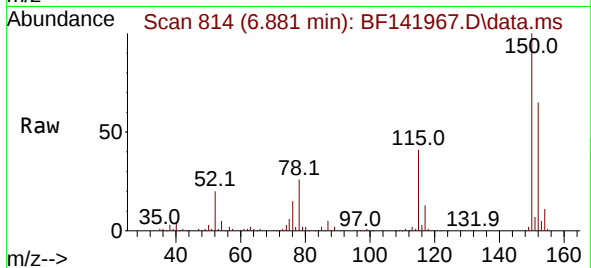
Quant Time: Mar 14 16:58:36 2025
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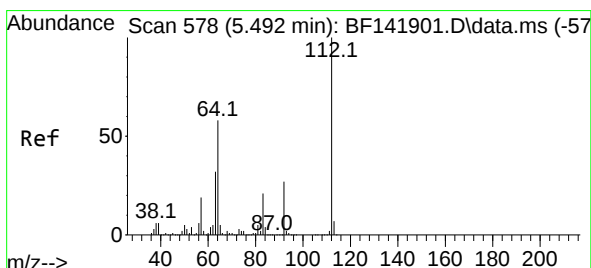
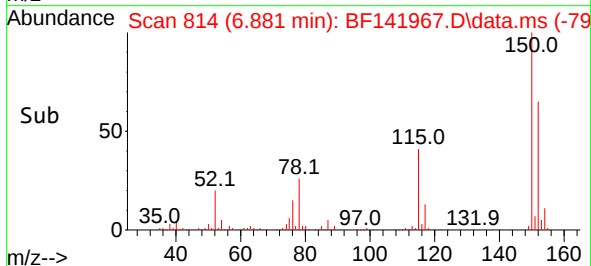
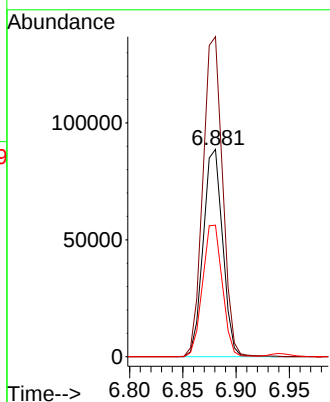


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141967.D
Acq: 14 Mar 2025 16:07

Instrument :
BNA_F
ClientSampleId :
72-11978

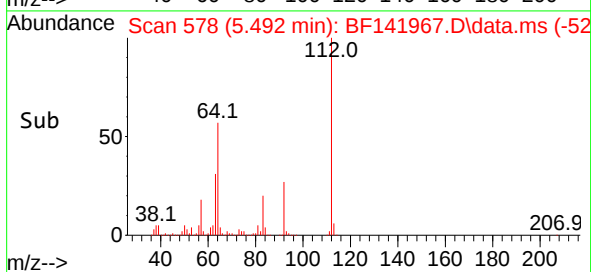
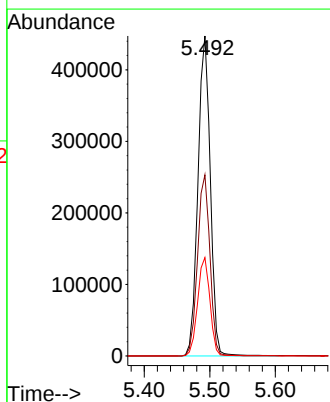
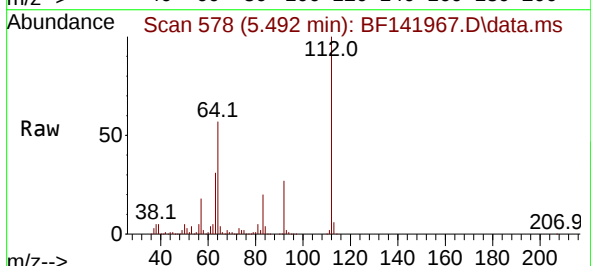


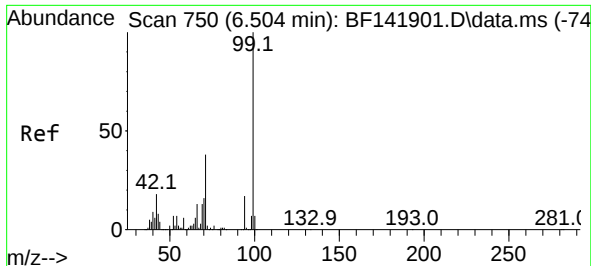
Tgt Ion:152 Resp: 112706
Ion Ratio Lower Upper
152 100
150 154.4 127.4 191.2
115 63.4 51.9 77.9



#5
2-Fluorophenol
Concen: 86.878 ng
RT: 5.492 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF141967.D
Acq: 14 Mar 2025 16:07

Tgt Ion:112 Resp: 586691
Ion Ratio Lower Upper
112 100
64 56.6 46.5 69.7
63 30.7 25.4 38.2

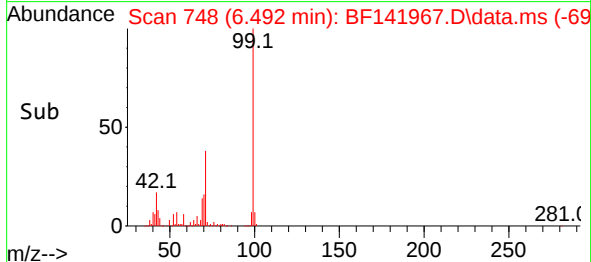
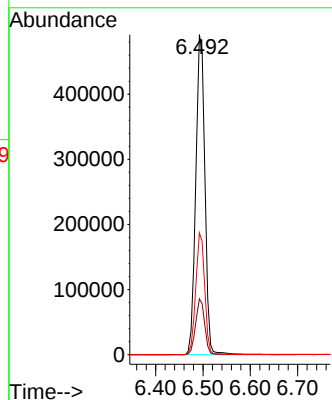
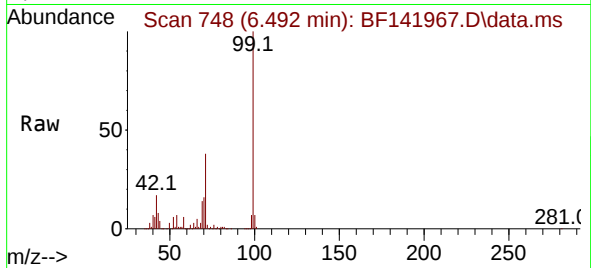




#7
Phenol-d6
Concen: 76.940 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF141967.D
Acq: 14 Mar 2025 16:07

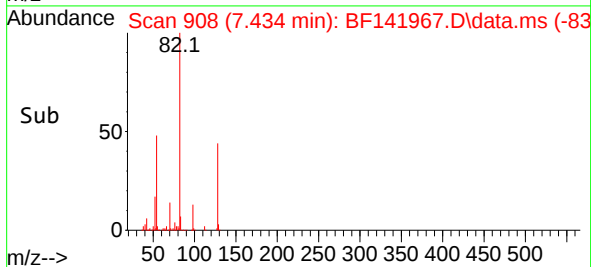
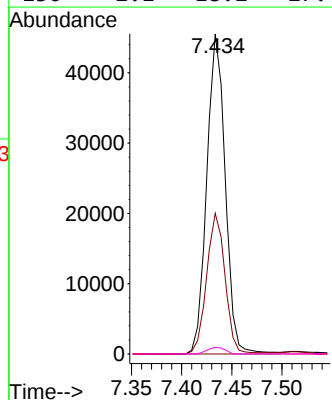
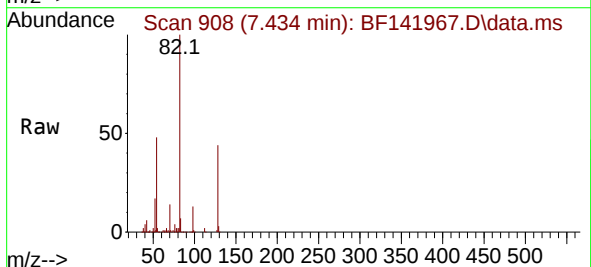
Instrument :
BNA_F
ClientSampleId :
72-11978

Tgt Ion: 99 Resp: 661538
Ion Ratio Lower Upper
99 100
42 17.4 14.6 21.8
71 38.1 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.557 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF141967.D
Acq: 14 Mar 2025 16:07

Tgt Ion: 70 Resp: 58323
Ion Ratio Lower Upper
70 100
42 44.0 41.4 62.0
101 0.0 8.2 12.2#
130 2.1 18.2 27.4#

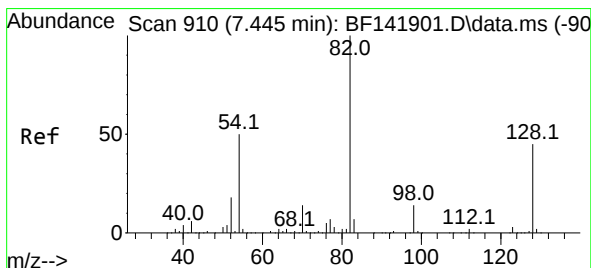
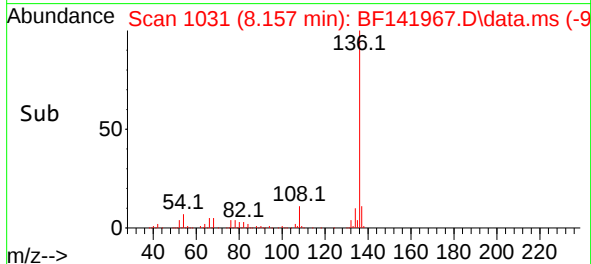
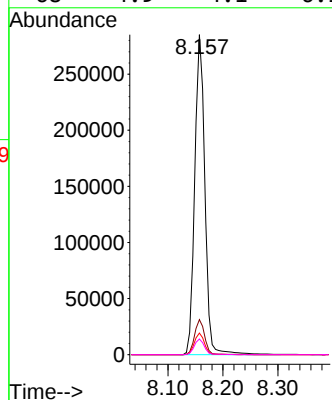
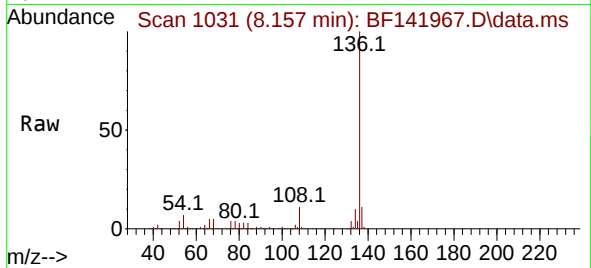




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141967.D
Acq: 14 Mar 2025 16:07

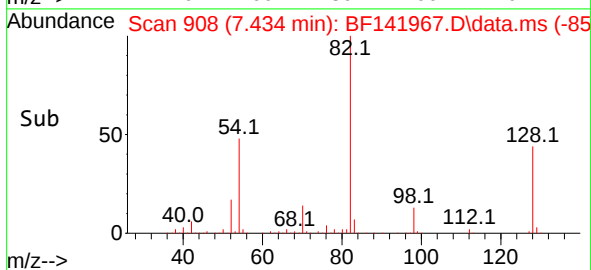
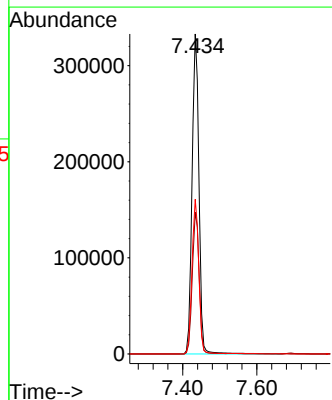
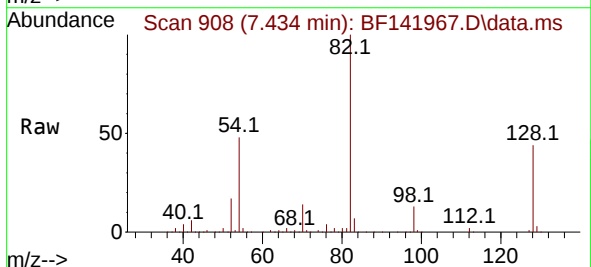
Instrument :
BNA_F
ClientSampleId :
72-11978

Tgt Ion:136 Resp: 365095
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.8 5.8 8.8
68 4.9 4.1 6.1



#23
Nitrobenzene-d5
Concen: 66.191 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF141967.D
Acq: 14 Mar 2025 16:07

Tgt Ion: 82 Resp: 429422
Ion Ratio Lower Upper
82 100
128 44.3 36.0 54.0
54 48.4 39.6 59.4

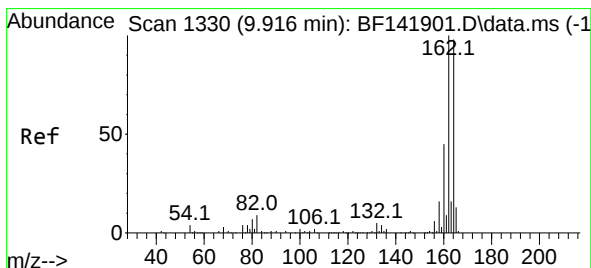
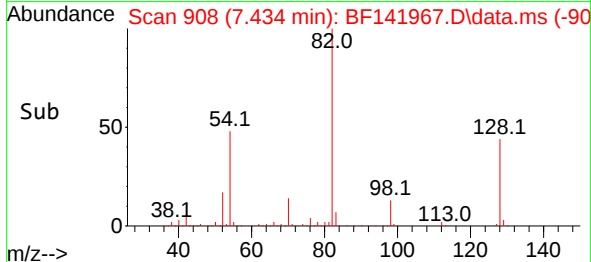
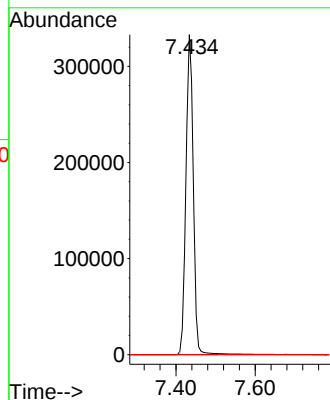
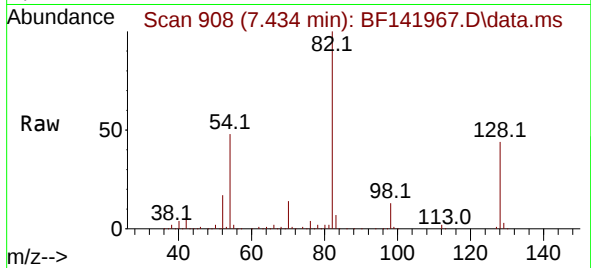




#25
Isophorone
Concen: 37.003 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF141967.D
Acq: 14 Mar 2025 16:07

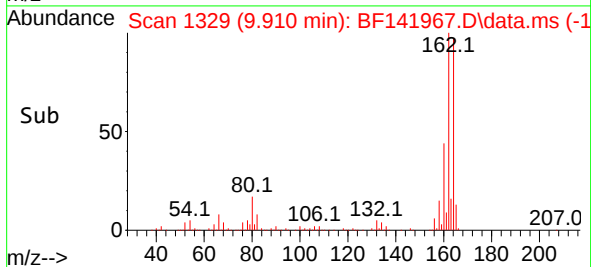
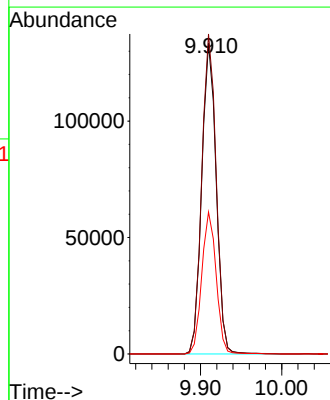
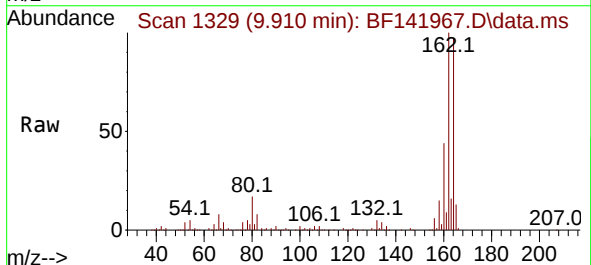
Instrument :
BNA_F
ClientSampleId :
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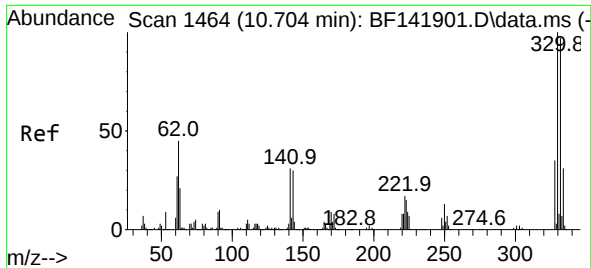
Tgt Ion: 82 Resp: 424341
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141967.D
Acq: 14 Mar 2025 16:07

Tgt Ion:164 Resp: 164947
Ion Ratio Lower Upper
164 100
162 103.0 81.8 122.6
160 45.7 36.7 55.1

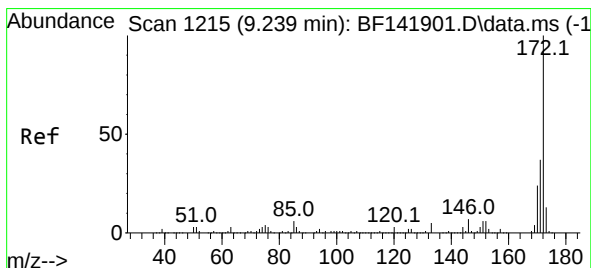
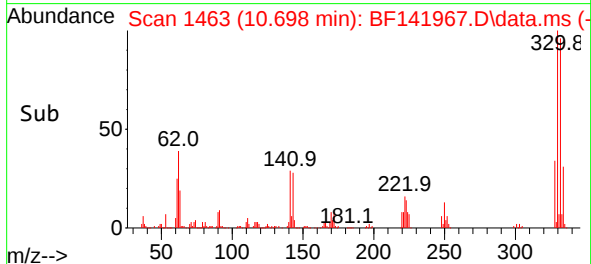
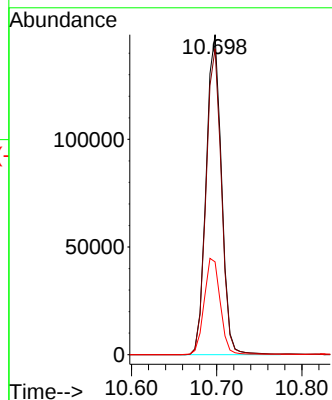
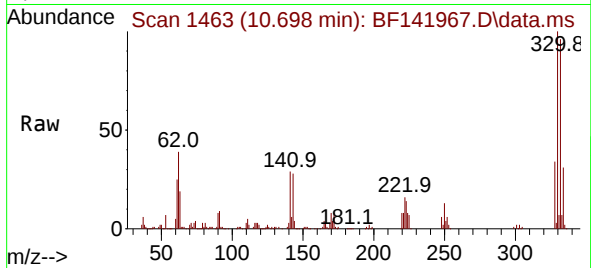




#42
2,4,6-Tribromophenol
Concen: 89.244 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF141967.D
Acq: 14 Mar 2025 16:07

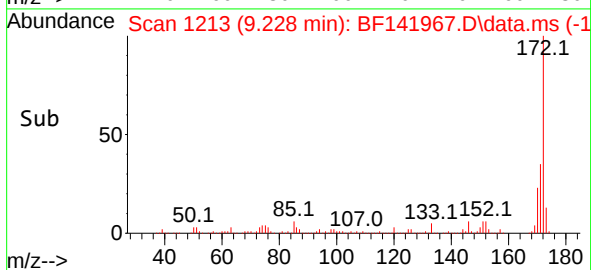
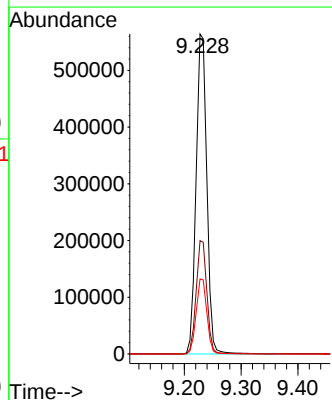
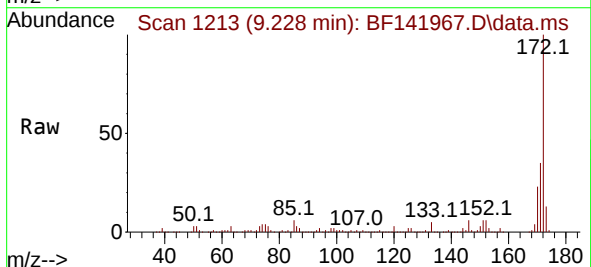
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ClientSampleId :
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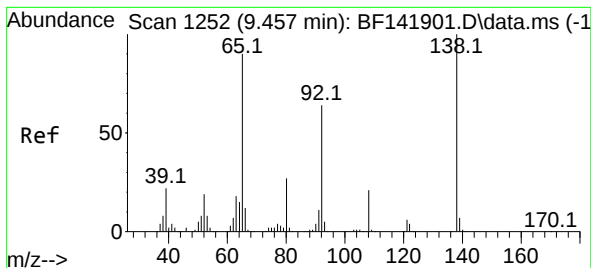
Tgt Ion:330 Resp: 186750
Ion Ratio Lower Upper
330 100
332 96.1 77.6 116.4
141 31.6 24.7 37.1



#45
2-Fluorobiphenyl
Concen: 68.867 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF141967.D
Acq: 14 Mar 2025 16:07

Tgt Ion:172 Resp: 746926
Ion Ratio Lower Upper
172 100
171 35.4 29.3 43.9
170 23.5 19.4 29.0





#48

2-Nitroaniline

Concen: 2.404 ng

RT: 9.533 min Scan# 11

Delta R.T. 0.076 min

Lab File: BF141967.D

Acq: 14 Mar 2025 16:07

Instrument :

BNA_F

ClientSampleId :

72-11978

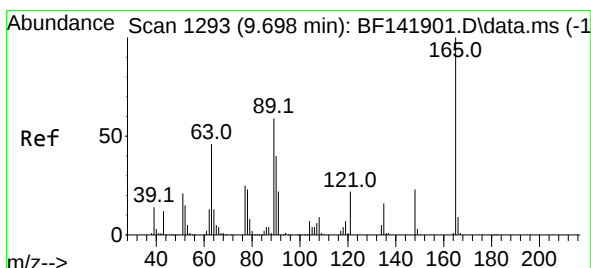
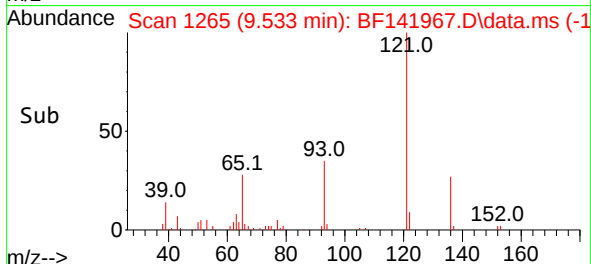
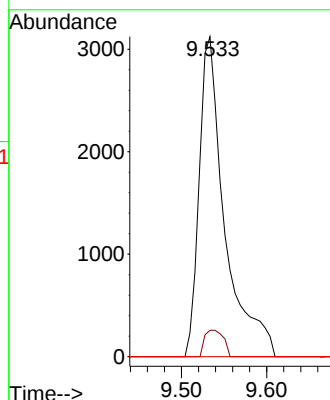
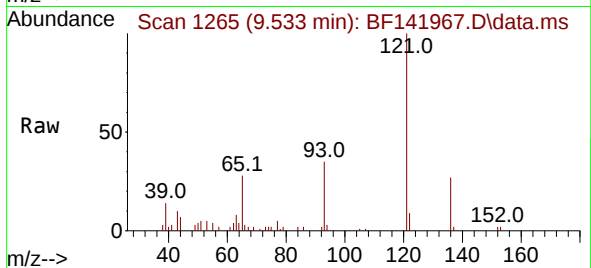
Tgt Ion: 65 Resp: 6501

Ion Ratio Lower Upper

65 100

92 8.2 56.6 84.8#

138 0.0 88.6 133.0#



#51

2,6-Dinitrotoluene

Concen: 8.940 ng

RT: 9.910 min Scan# 1329

Delta R.T. 0.212 min

Lab File: BF141967.D

Acq: 14 Mar 2025 16:07

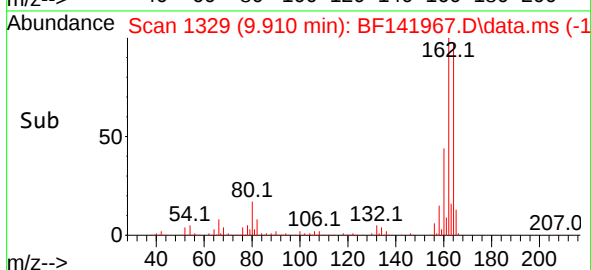
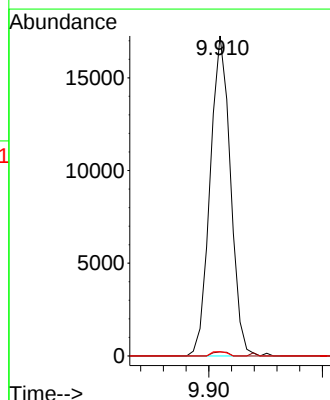
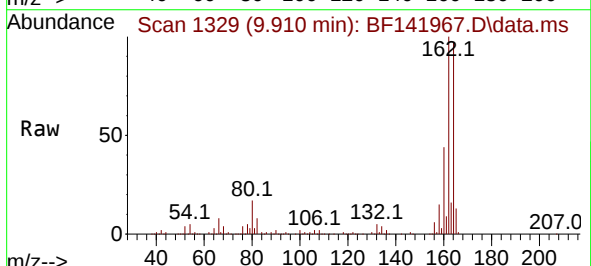
Tgt Ion: 165 Resp: 21500

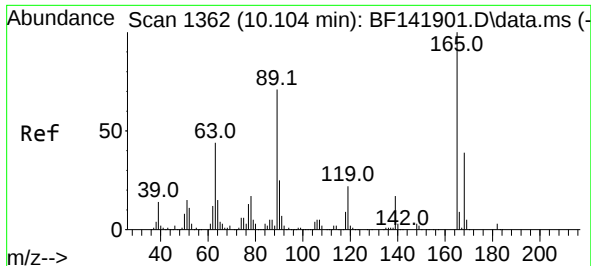
Ion Ratio Lower Upper

165 100

63 1.3 47.0 70.4#

89 1.4 47.4 71.2#

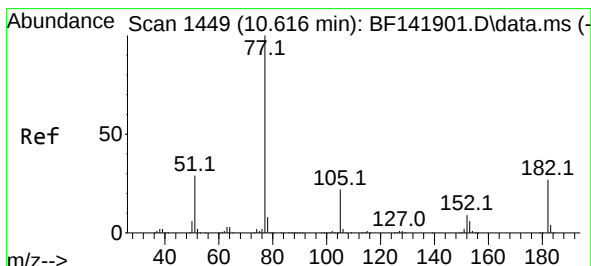
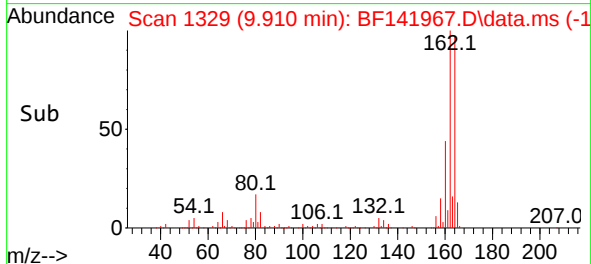
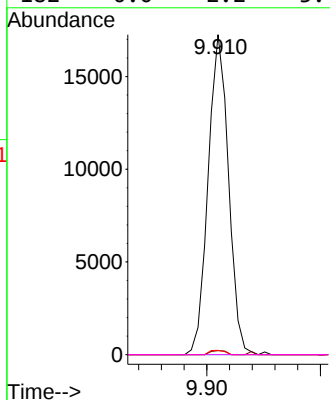
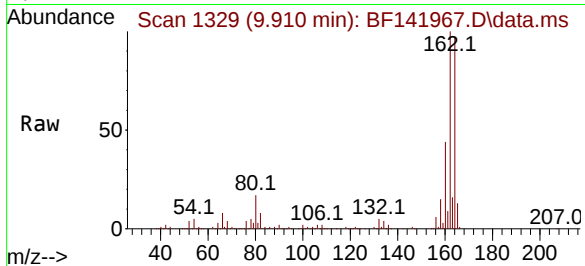




#57
2,4-Dinitrotoluene
Concen: 6.845 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF141967.D
Acq: 14 Mar 2025 16:07

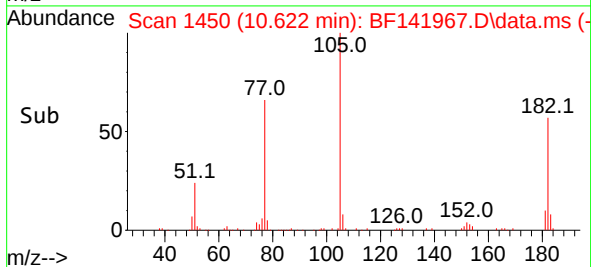
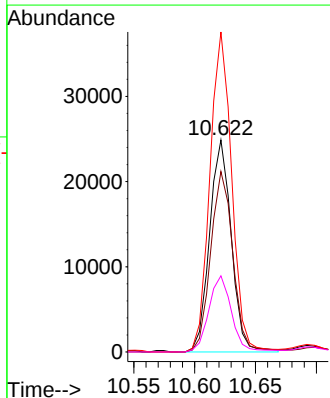
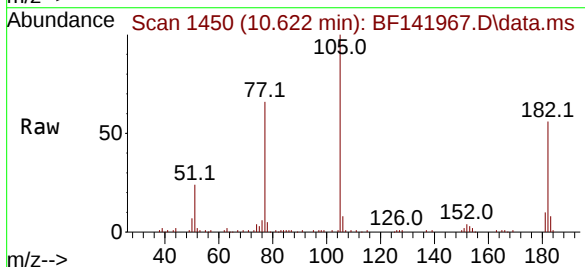
Instrument :
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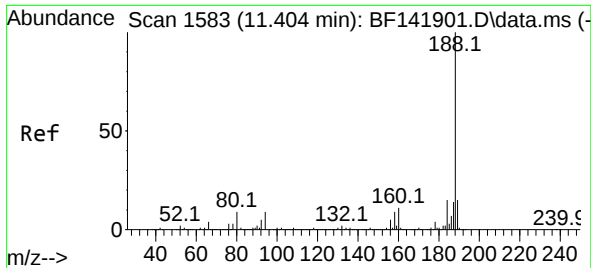
Tgt Ion:165 Resp: 21500
Ion Ratio Lower Upper
165 100
63 1.3 35.4 53.2#
89 1.4 56.6 84.8#
182 0.0 2.2 3.4#



#63
Azobenzene
Concen: 2.889 ng
RT: 10.622 min Scan# 1450
Delta R.T. 0.006 min
Lab File: BF141967.D
Acq: 14 Mar 2025 16:07

Tgt Ion: 77 Resp: 30935
Ion Ratio Lower Upper
77 100
182 85.1 6.6 46.6#
105 150.9 1.3 41.3#
51 35.9 10.4 50.4

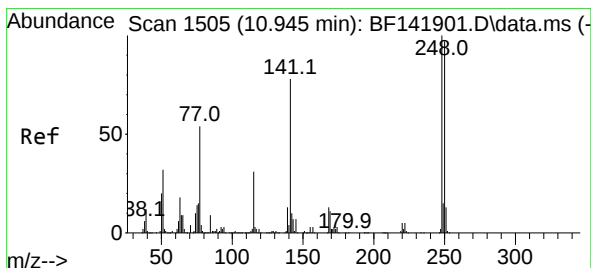
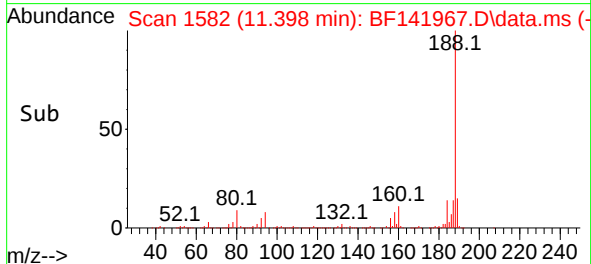
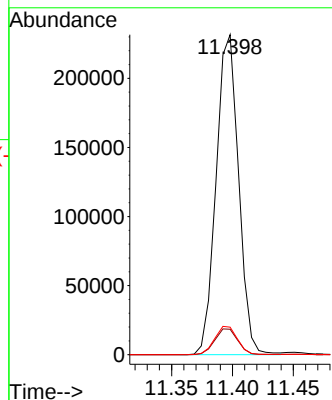
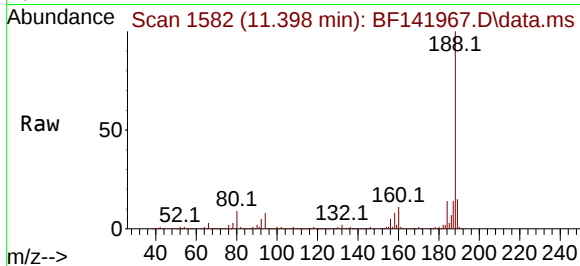




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141967.D
Acq: 14 Mar 2025 16:07

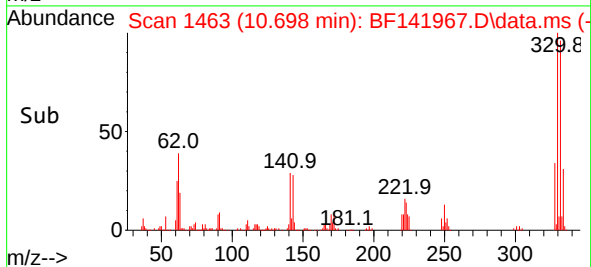
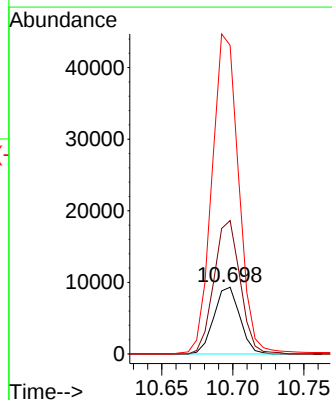
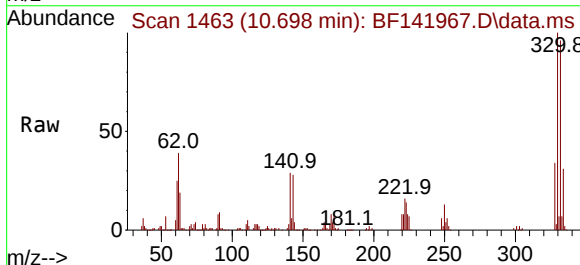
Instrument :
BNA_F
ClientSampleId :
72-11978

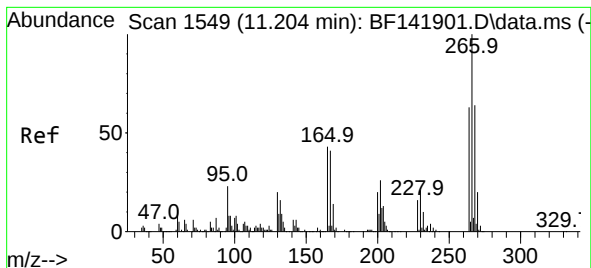
Tgt Ion:188 Resp: 297340
Ion Ratio Lower Upper
188 100
94 7.9 6.8 10.2
80 8.6 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 3.167 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF141967.D
Acq: 14 Mar 2025 16:07

Tgt Ion:248 Resp: 11828
Ion Ratio Lower Upper
248 100
250 199.9 77.8 116.8#
141 462.5 62.6 93.8#





#70

Pentachlorophenol

Concen: 2.994 ng

RT: 11.198 min Scan# 1548

Delta R.T. -0.006 min

Lab File: BF141967.D

Acq: 14 Mar 2025 16:07

Instrument :

BNA_F

ClientSampleId :

72-11978

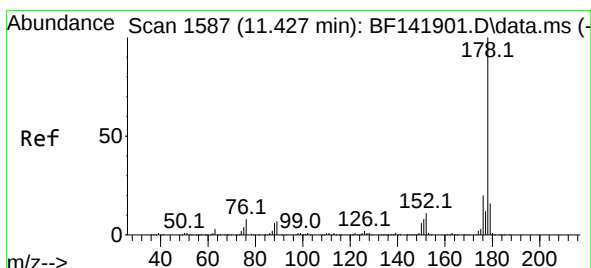
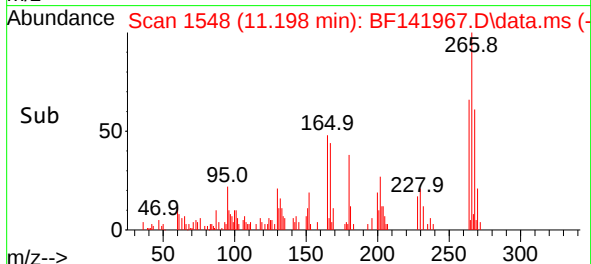
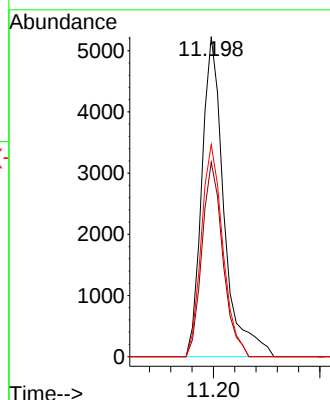
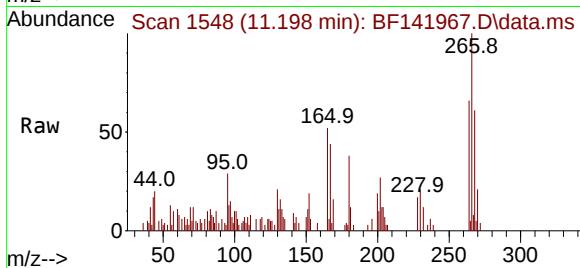
Tgt Ion:266 Resp: 7554

Ion Ratio Lower Upper

266 100

268 60.8 51.0 76.6

264 66.3 50.2 75.2



#71

Phenanthrene

Concen: 3.095 ng

RT: 11.422 min Scan# 1586

Delta R.T. -0.006 min

Lab File: BF141967.D

Acq: 14 Mar 2025 16:07

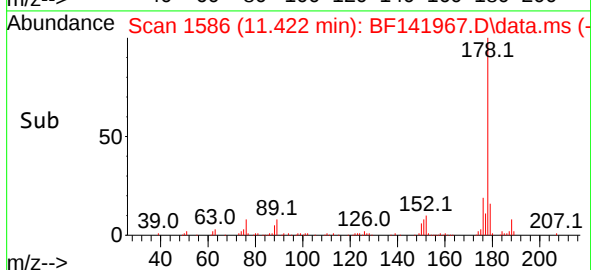
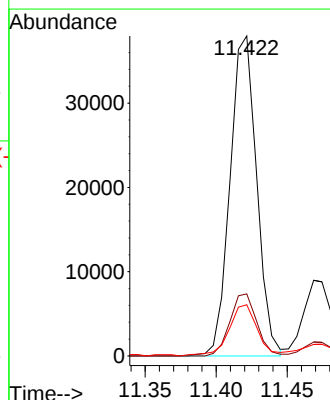
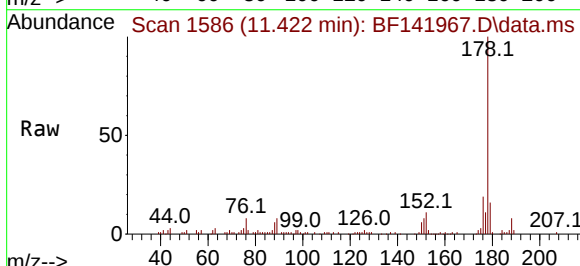
Tgt Ion:178 Resp: 49709

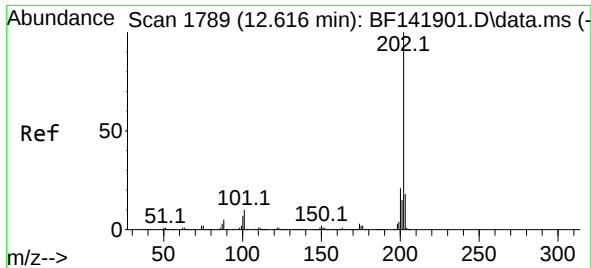
Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

179 16.0 12.6 19.0

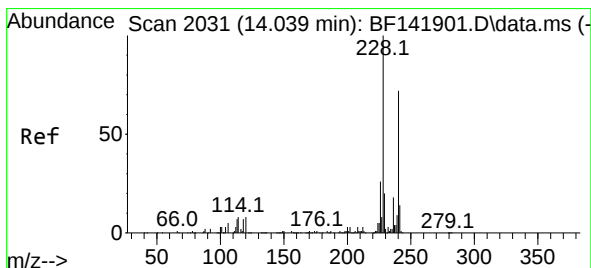
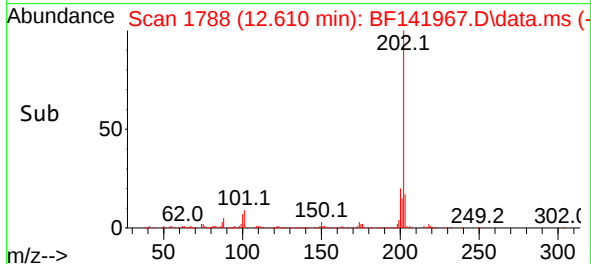
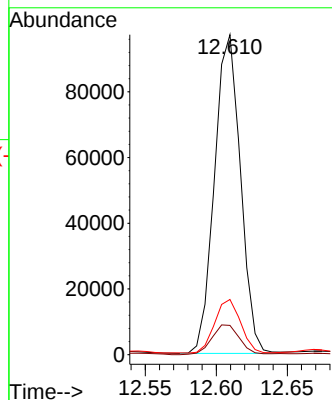
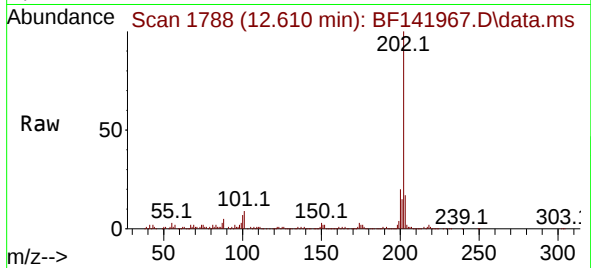




#75
Fluoranthene
Concen: 7.248 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF141967.D
Acq: 14 Mar 2025 16:07

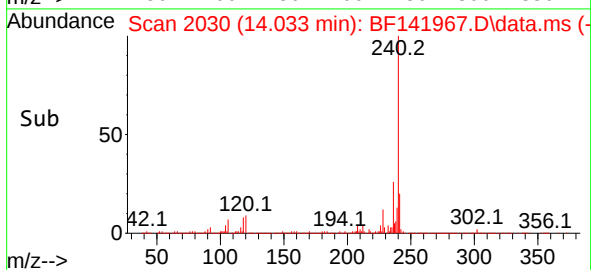
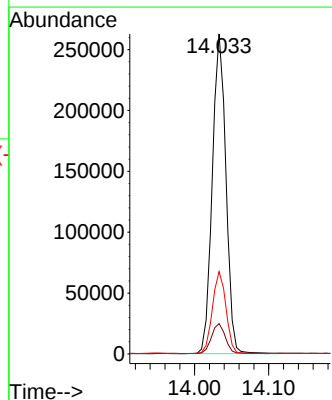
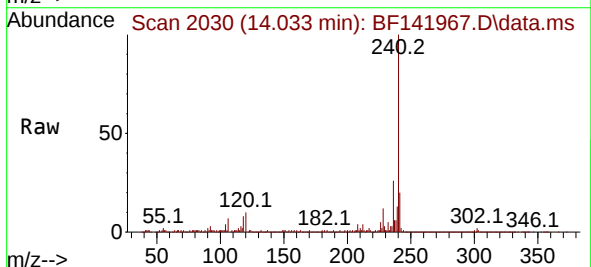
Instrument :
BNA_F
ClientSampleId :
72-11978

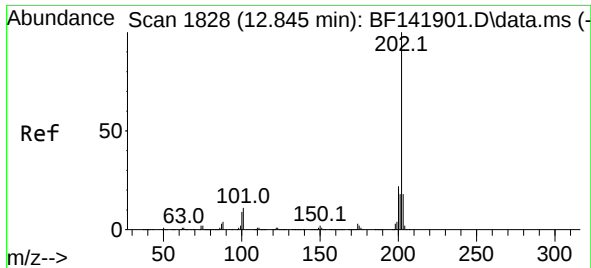
Tgt Ion:202 Resp: 123480
Ion Ratio Lower Upper
202 100
101 9.2 0.0 29.7
203 17.3 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF141967.D
Acq: 14 Mar 2025 16:07

Tgt Ion:240 Resp: 334585
Ion Ratio Lower Upper
240 100
120 9.5 8.4 12.6
236 25.7 20.5 30.7

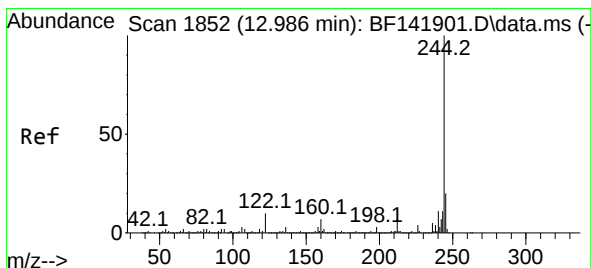
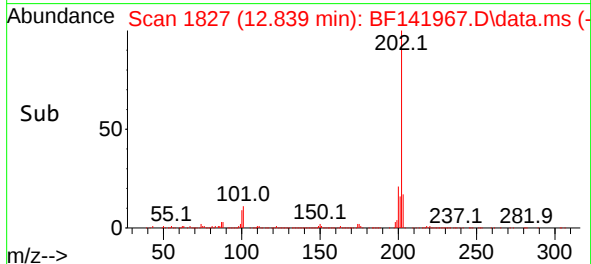
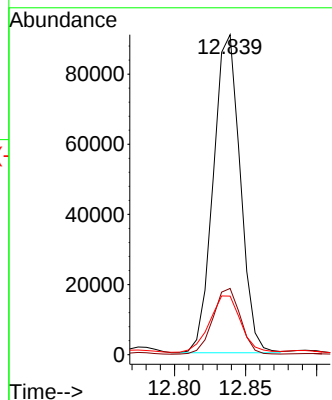
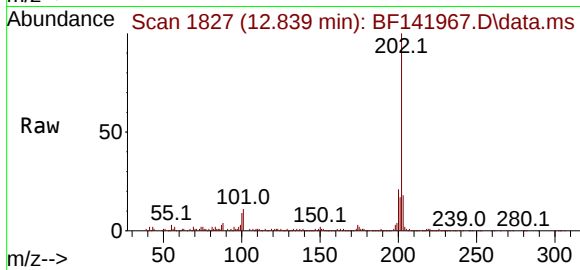




#78
 Pyrene
 Concen: 4.140 ng
 RT: 12.839 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF141967.D
 Acq: 14 Mar 2025 16:07

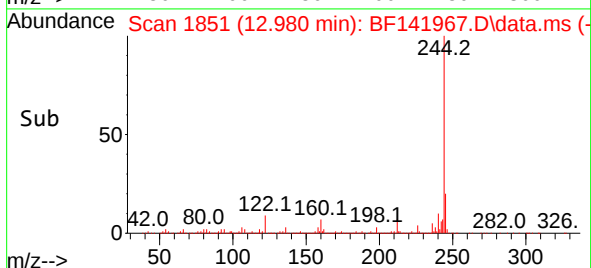
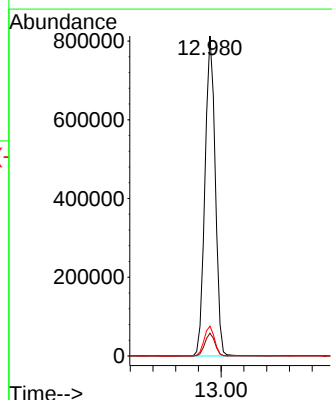
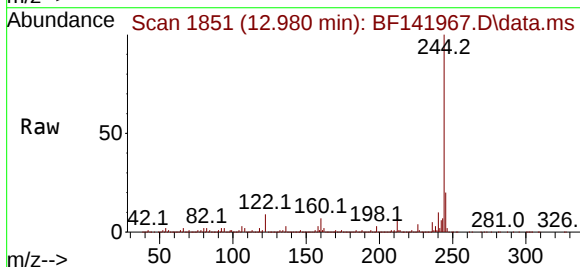
Instrument :
 BNA_F
 ClientSampleId :
 72-11978

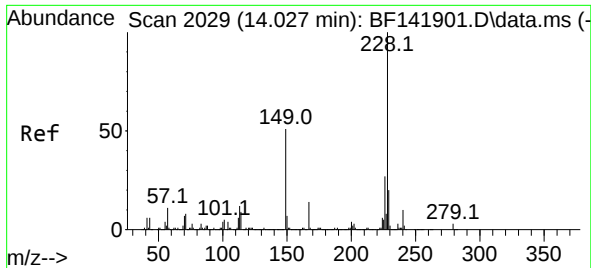
Tgt Ion:202 Resp: 119809
 Ion Ratio Lower Upper
 202 100
 200 20.7 17.3 25.9
 203 18.3 14.4 21.6



#79
 Terphenyl-d14
 Concen: 44.949 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF141967.D
 Acq: 14 Mar 2025 16:07

Tgt Ion:244 Resp: 1017218
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 9.3 7.7 11.5

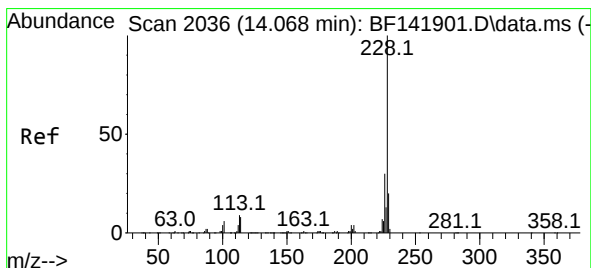
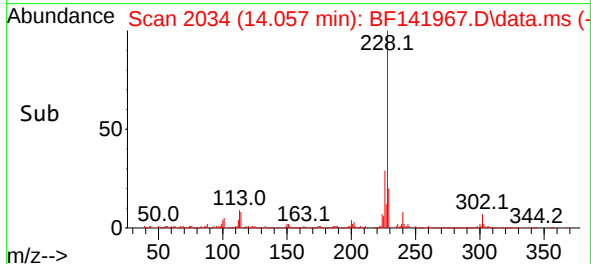
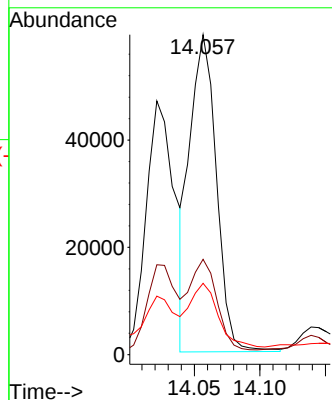
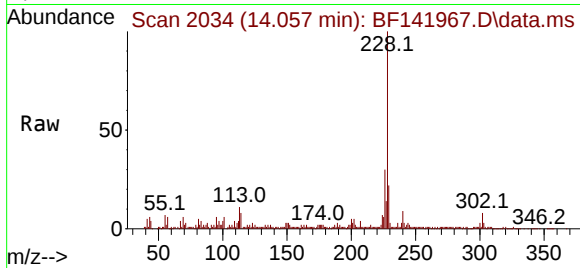




#81
Benzo(a)anthracene
Concen: 3.793 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.029 min
Lab File: BF141967.D
Acq: 14 Mar 2025 16:07

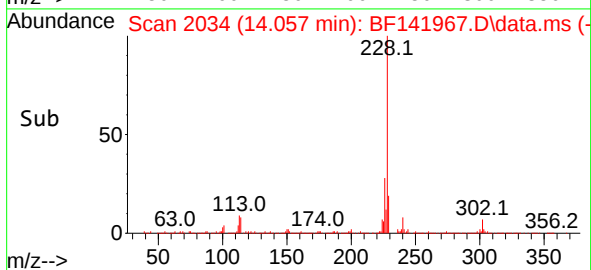
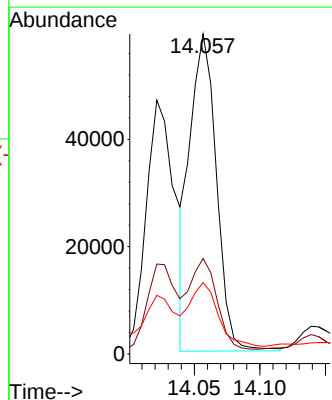
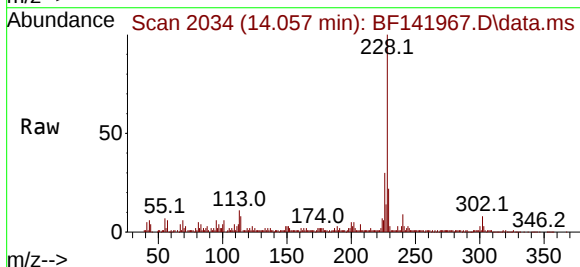
Instrument :
BNA_F
ClientSampleId :
72-11978

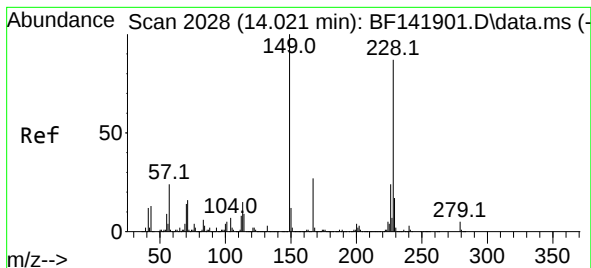
Tgt Ion:228 Resp: 83268
Ion Ratio Lower Upper
228 100
226 29.8 21.8 32.8
229 22.3 16.0 24.0



#83
Chrysene
Concen: 4.184 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BF141967.D
Acq: 14 Mar 2025 16:07

Tgt Ion:228 Resp: 83268
Ion Ratio Lower Upper
228 100
226 29.8 24.1 36.1
229 22.3 15.7 23.5

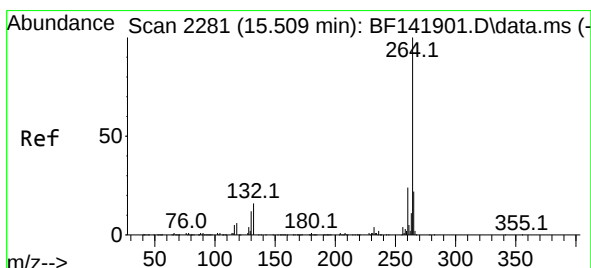
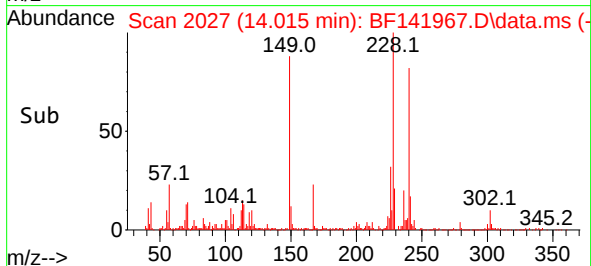
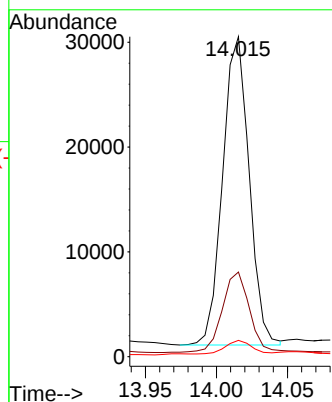
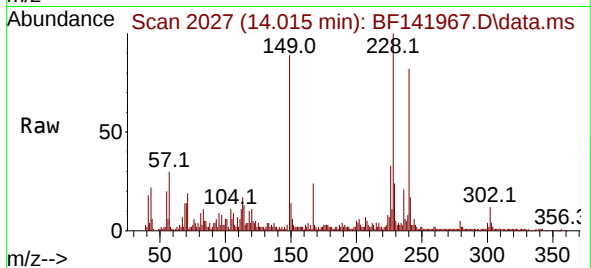




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.444 ng
RT: 14.015 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF141967.D
Acq: 14 Mar 2025 16:07

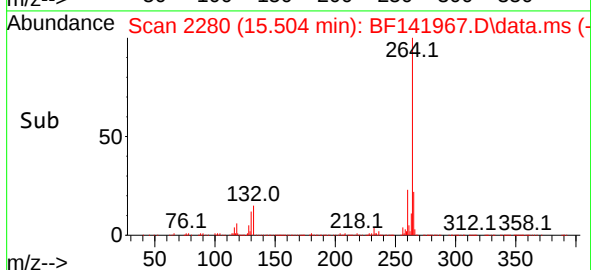
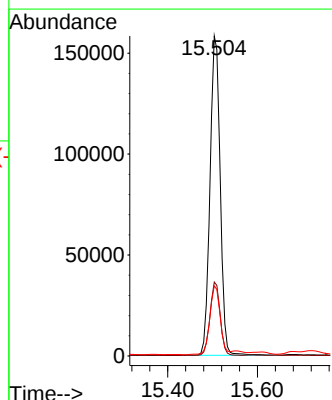
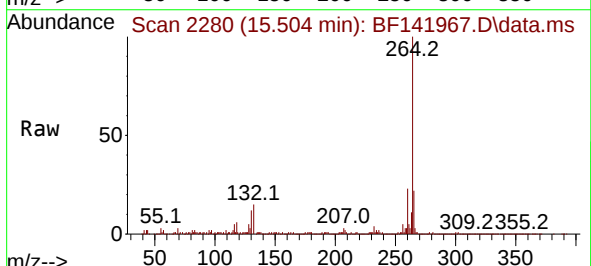
Instrument :
BNA_F
ClientSampleId :
72-11978

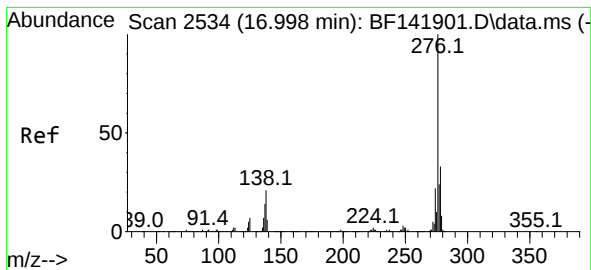
Tgt Ion:149 Resp: 38170
Ion Ratio Lower Upper
149 100
167 26.5 21.4 32.0
279 5.1 3.8 5.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2280
Delta R.T. -0.006 min
Lab File: BF141967.D
Acq: 14 Mar 2025 16:07

Tgt Ion:264 Resp: 249377
Ion Ratio Lower Upper
264 100
260 23.1 19.1 28.7
265 21.9 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.302 ng

RT: 16.980 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141967.D

Acq: 14 Mar 2025 16:07

Instrument :

BNA_F

ClientSampleId :

72-11978

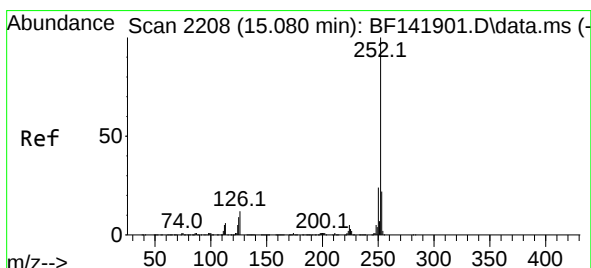
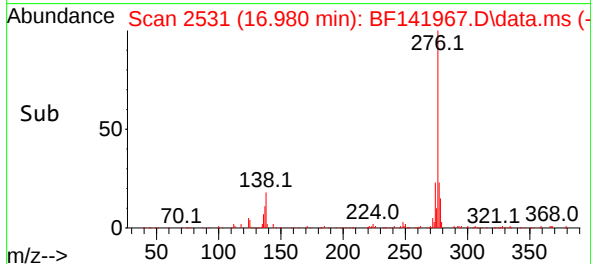
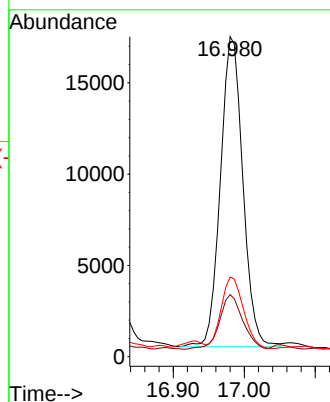
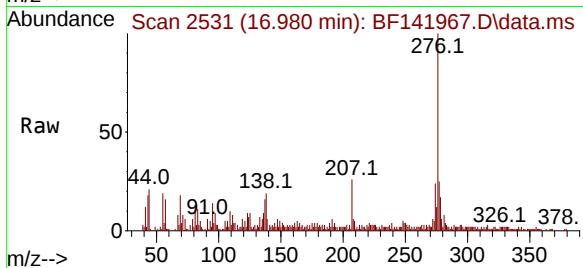
Tgt Ion:276 Resp: 37129

Ion Ratio Lower Upper

276 100

138 18.3 18.4 27.6#

277 23.2 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 7.927 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF141967.D

Acq: 14 Mar 2025 16:07

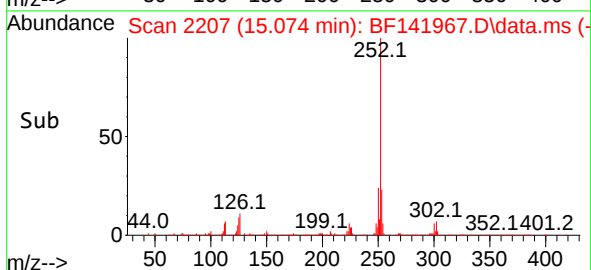
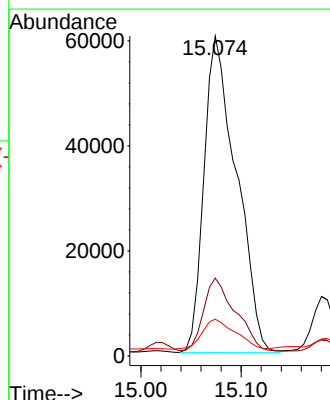
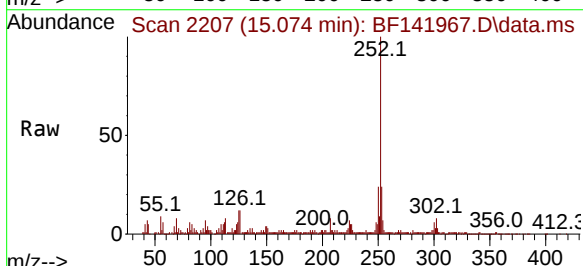
Tgt Ion:252 Resp: 135484

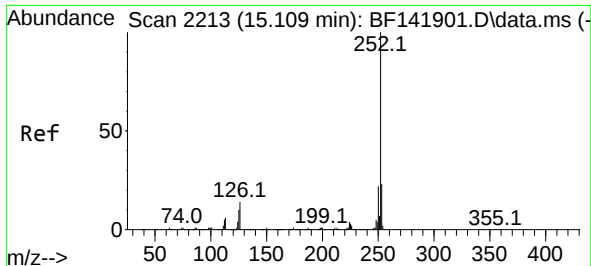
Ion Ratio Lower Upper

252 100

253 24.3 17.5 26.3

125 11.5 7.0 10.4#





#89

Benzo(k)fluoranthene

Concen: 9.263 ng

RT: 15.074 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF141967.D

Acq: 14 Mar 2025 16:07

Instrument :

BNA_F

ClientSampleId :

72-11978

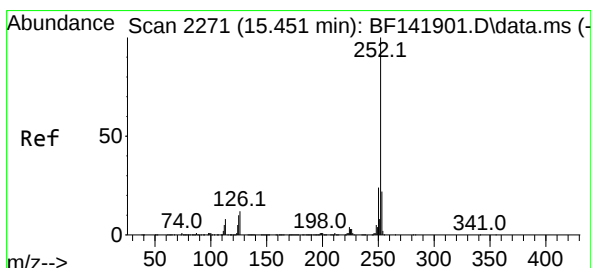
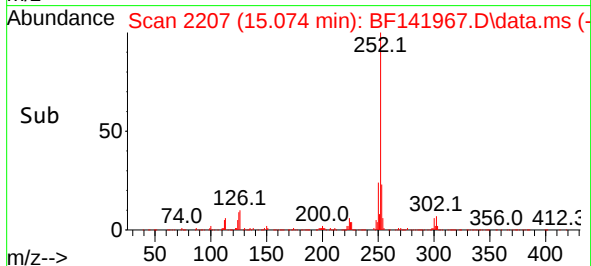
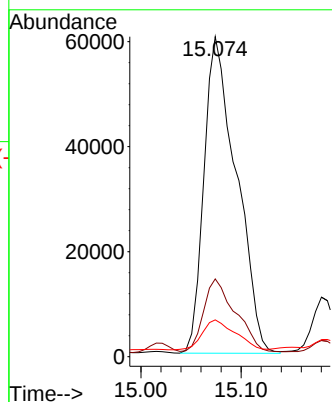
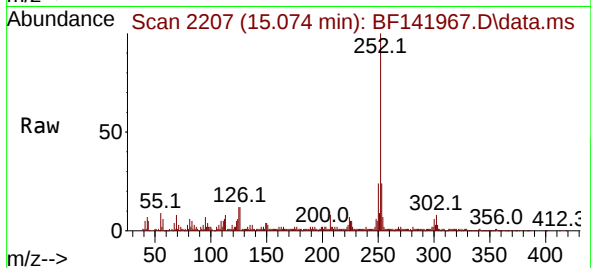
Tgt Ion:252 Resp: 135484

Ion Ratio Lower Upper

252 100

253 24.3 17.7 26.5

125 11.5 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 4.309 ng

RT: 15.439 min Scan# 2269

Delta R.T. -0.012 min

Lab File: BF141967.D

Acq: 14 Mar 2025 16:07

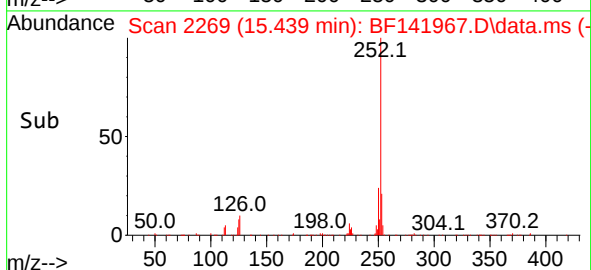
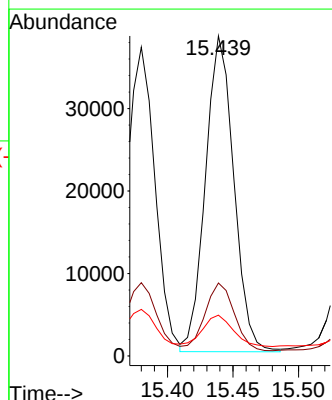
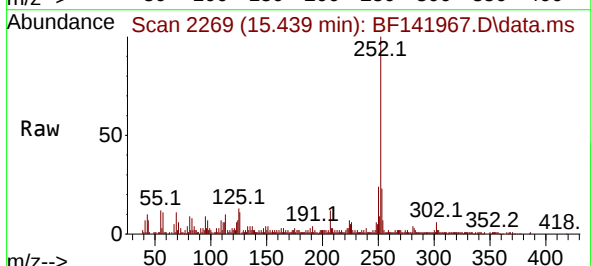
Tgt Ion:252 Resp: 57630

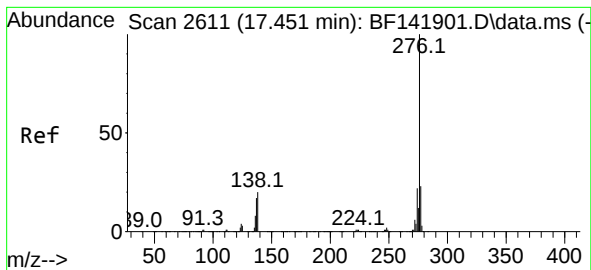
Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

125 12.7 7.8 11.8#





#92

Benzo(g,h,i)perylene

Concen: 2.887 ng

RT: 17.427 min Scan# 20

Delta R.T. -0.024 min

Lab File: BF141967.D

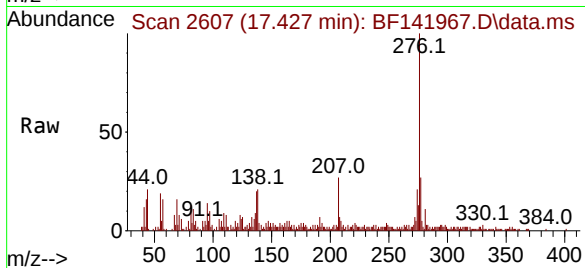
Acq: 14 Mar 2025 16:07

Instrument :

BNA_F

ClientSampleId :

72-11978



Tgt Ion:276 Resp: 37977

Ion Ratio Lower Upper

276 100

277 27.3 18.7 28.1

138 20.9 15.8 23.8

