

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
 Data File : BF141547.D
 Acq On : 10 Feb 2025 20:45
 Operator : RC/JU
 Sample : Q1232-15DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-42.2-012925DL

Quant Time: Feb 11 00:09:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

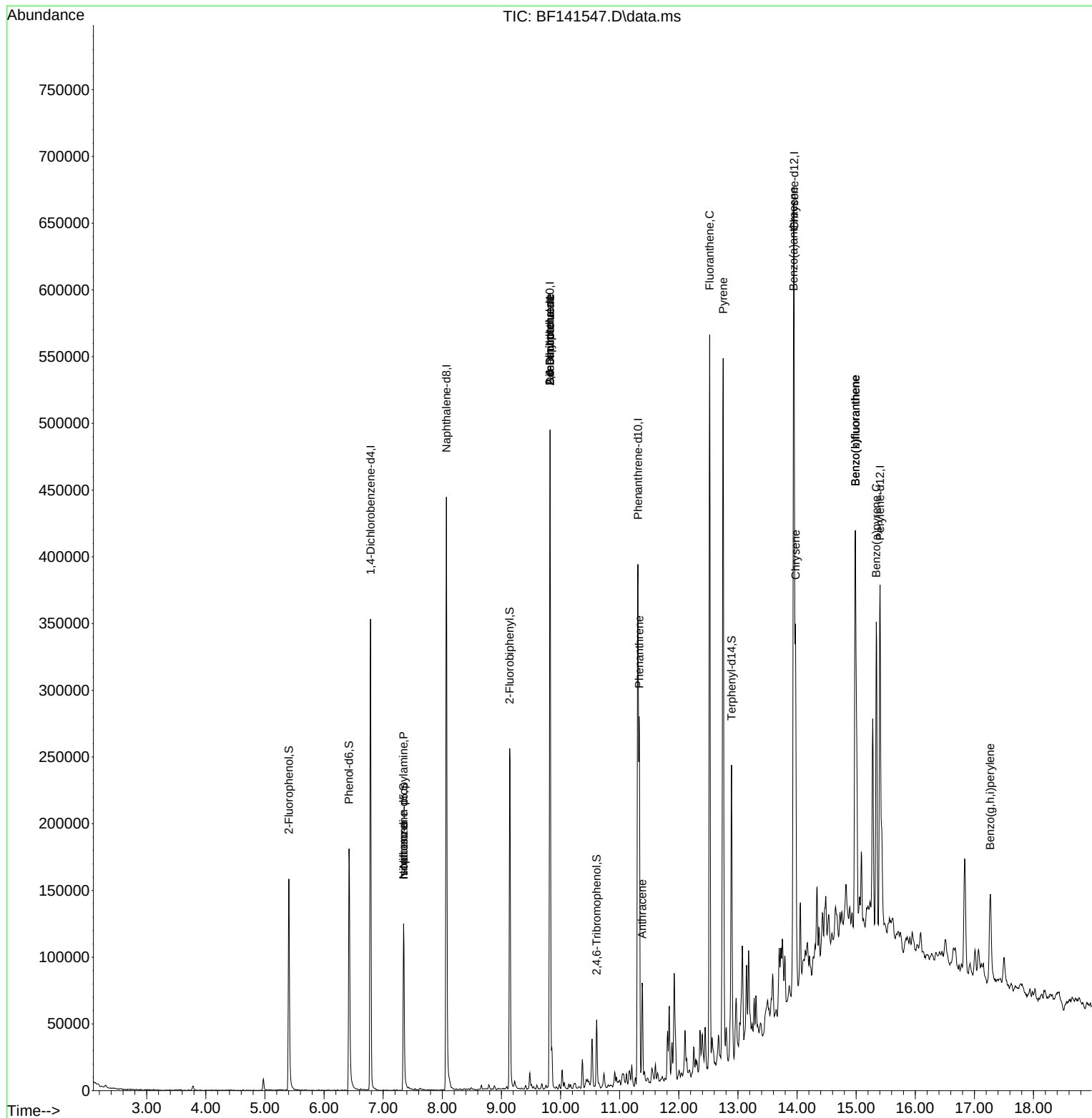
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	73453	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	289682	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	146988	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	202539	20.000	ng	0.00
76) Chrysene-d12	13.951	240	173399	20.000	ng	-0.01
86) Perylene-d12	15.404	264	150535	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	63622	13.579	ng	0.00
7) Phenol-d6	6.422	99	92374	15.599	ng	-0.02
23) Nitrobenzene-d5	7.346	82	60763	10.941	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	6569	4.449	ng	-0.02
45) 2-Fluorobiphenyl	9.140	172	124048	13.002	ng	-0.01
79) Terphenyl-d14	12.892	244	99477	9.685	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.346	70	7646	2.159	ng	# 73
25) Isophorone	7.346	82	56367	6.365	ng	# 66
50) Dimethylphthalate	9.822	163	22057	2.210	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	19629	8.998	ng	# 22
57) 2,4-Dinitrotoluene	9.822	165	19629	6.759	ng	# 19
71) Phenanthrene	11.334	178	145244	13.028	ng	99
72) Anthracene	11.381	178	47592	4.247	ng	100
75) Fluoranthene	12.522	202	305505	25.847	ng	99
78) Pyrene	12.751	202	307116	20.806	ng	99
81) Benzo(a)anthracene	13.939	228	179139	15.542	ng	98
83) Chrysene	13.975	228	141521	13.297	ng	98
88) Benzo(b)fluoranthene	14.986	252	259888	25.712	ng	99
89) Benzo(k)fluoranthene	14.986	252	259888	30.111	ng	99
90) Benzo(a)pyrene	15.339	252	140833	17.219	ng	96
92) Benzo(g,h,i)perylene	17.268	276	61289	7.771	ng	98

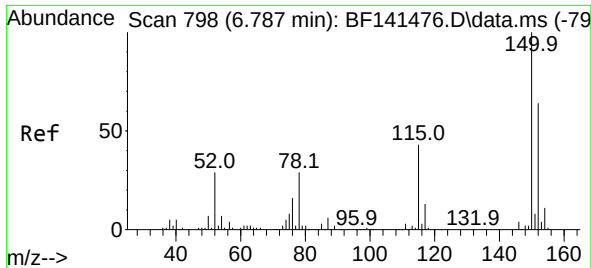
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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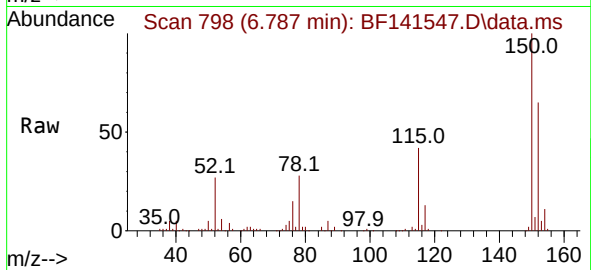
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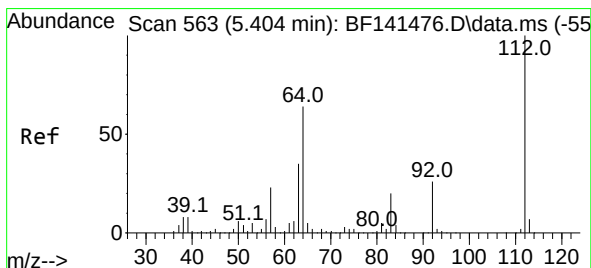
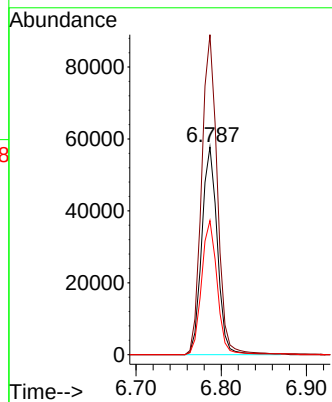
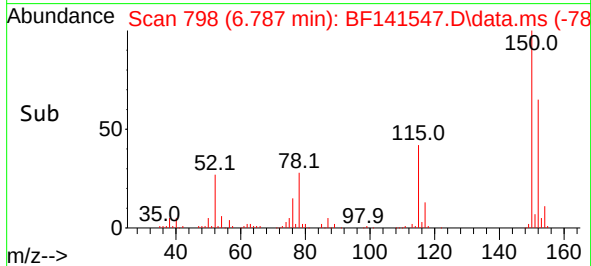


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 798
 Delta R.T. -0.005 min
 Lab File: BF141547.D
 Acq: 10 Feb 2025 20:45

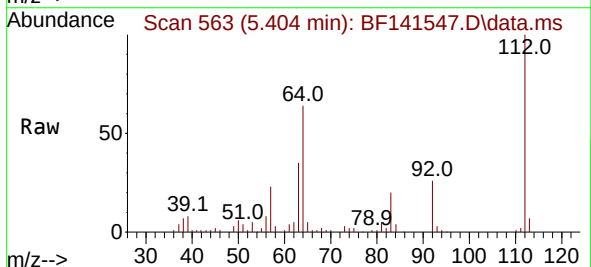
Instrument :
 BNA_F
 ClientSampleId :
 JPP-42.2-012925DL



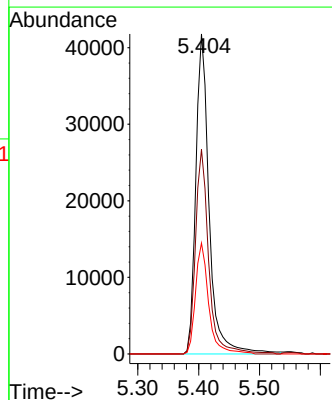
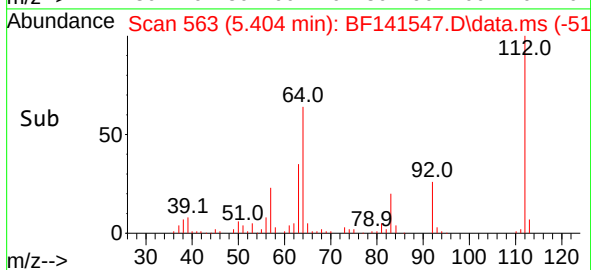
Tgt Ion:152 Resp: 73453
 Ion Ratio Lower Upper
 152 100
 150 154.1 125.0 187.4
 115 64.6 53.6 80.4

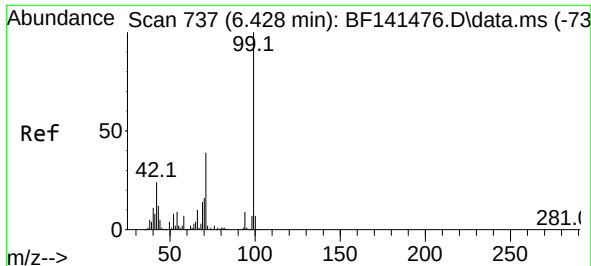


#5
 2-Fluorophenol
 Concen: 13.579 ng
 RT: 5.404 min Scan# 563
 Delta R.T. -0.006 min
 Lab File: BF141547.D
 Acq: 10 Feb 2025 20:45



Tgt Ion:112 Resp: 63622
 Ion Ratio Lower Upper
 112 100
 64 63.9 51.1 76.7
 63 34.6 28.4 42.6

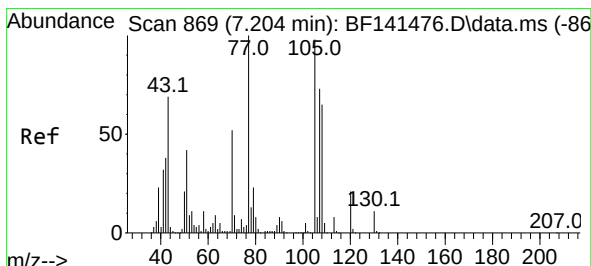
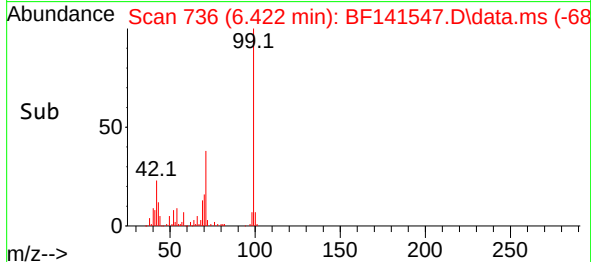
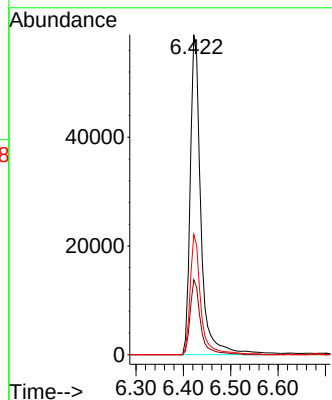
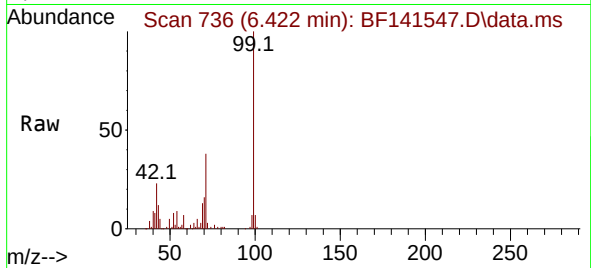




#7
Phenol-d6
Concen: 15.599 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141547.D
Acq: 10 Feb 2025 20:45

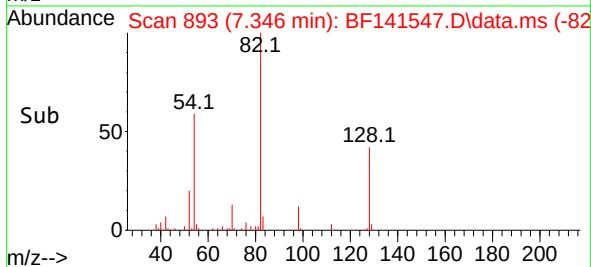
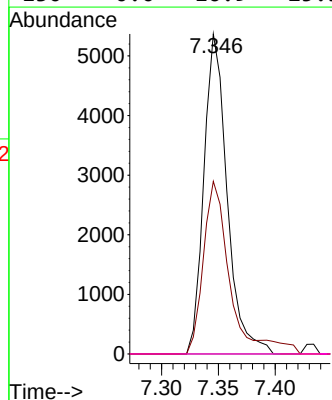
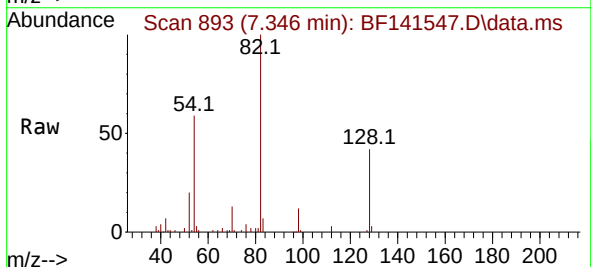
Instrument :
BNA_F
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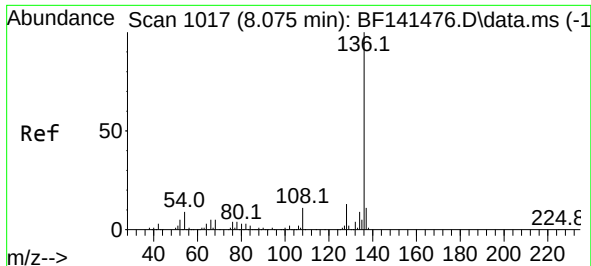
Tgt Ion: 99 Resp: 92374
Ion Ratio Lower Upper
99 100
42 23.4 19.1 28.7
71 37.6 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 2.159 ng
RT: 7.346 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141547.D
Acq: 10 Feb 2025 20:45

Tgt Ion: 70 Resp: 7646
Ion Ratio Lower Upper
70 100
42 54.0 57.4 86.2#
101 0.0 8.0 12.0#
130 0.0 16.9 25.3#

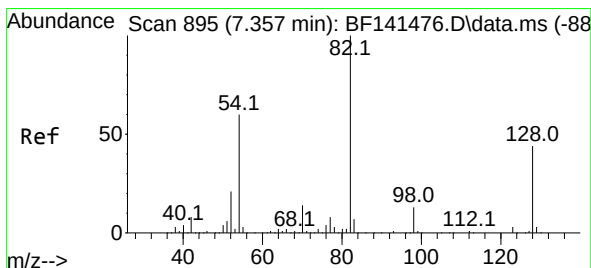
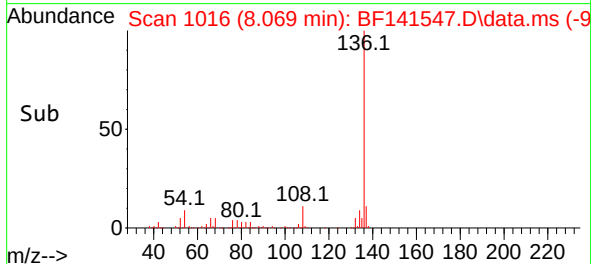
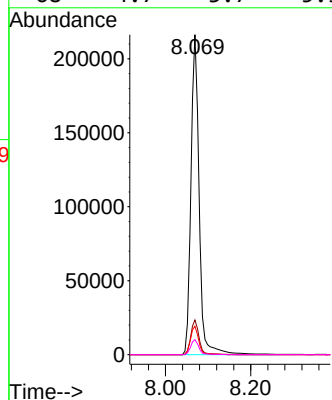
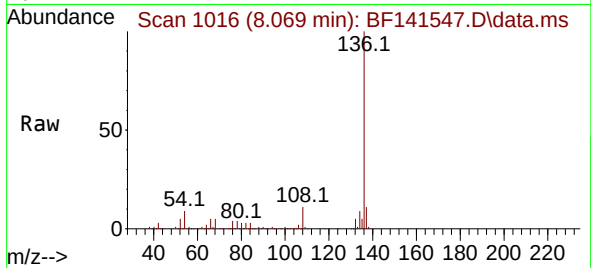




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141547.D
Acq: 10 Feb 2025 20:45

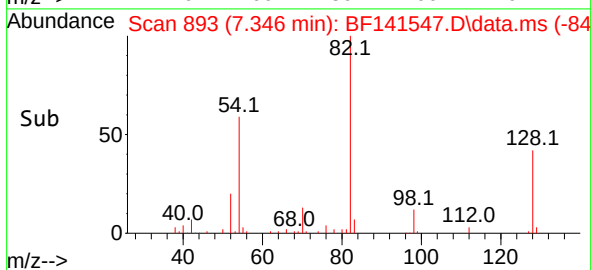
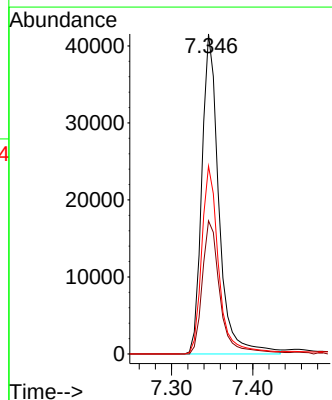
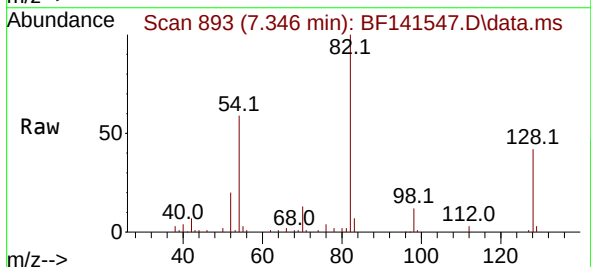
Instrument :
BNA_F
ClientSampleId :
JPP-42.2-012925DL

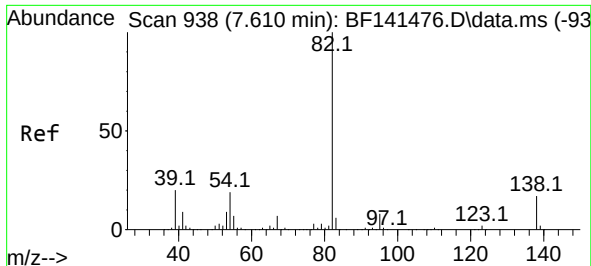
Tgt Ion:	136	Resp:	289682
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.9	7.2	10.8
68	4.7	3.7	5.5



#23
Nitrobenzene-d5
Concen: 10.941 ng
RT: 7.346 min Scan# 893
Delta R.T. -0.017 min
Lab File: BF141547.D
Acq: 10 Feb 2025 20:45

Tgt Ion:	82	Resp:	60763
Ion	Ratio	Lower	Upper
82	100		
128	41.6	34.8	52.2
54	58.7	48.2	72.4

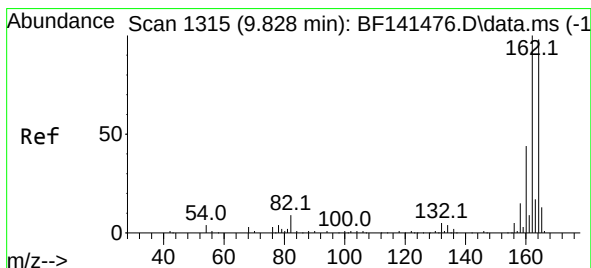
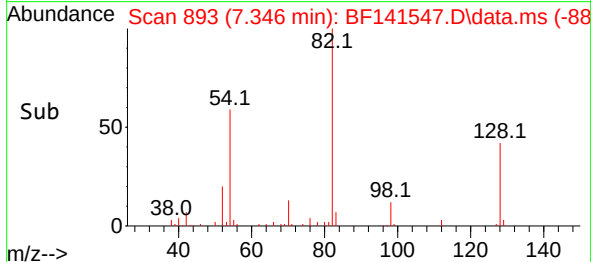
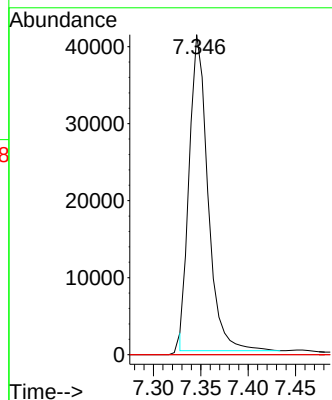
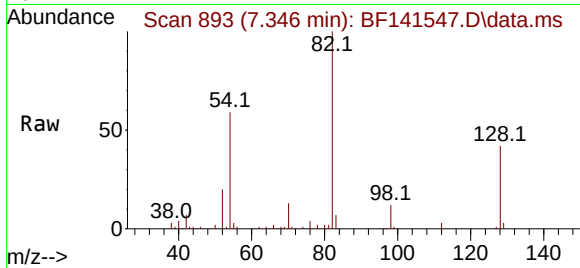




#25
Isophorone
Concen: 6.365 ng
RT: 7.346 min Scan# 893
Delta R.T. -0.276 min
Lab File: BF141547.D
Acq: 10 Feb 2025 20:45

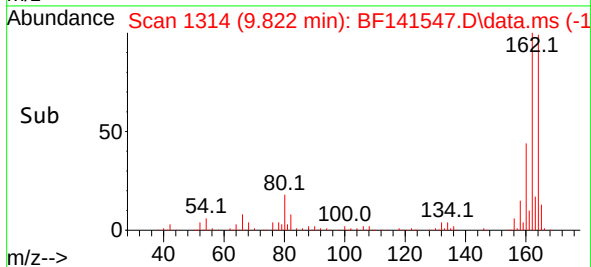
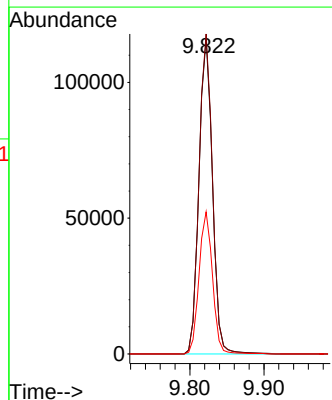
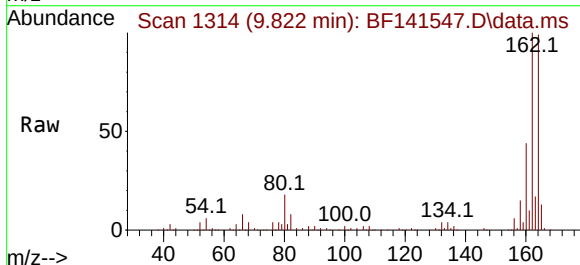
Instrument :
BNA_F
ClientSampleId :
JPP-42.2-012925DL

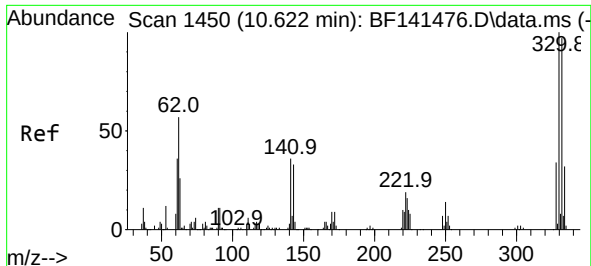
Tgt Ion: 82 Resp: 56367
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.011 min
Lab File: BF141547.D
Acq: 10 Feb 2025 20:45

Tgt Ion:164 Resp: 146988
Ion Ratio Lower Upper
164 100
162 101.5 81.3 121.9
160 45.1 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 4.449 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.017 min

Lab File: BF141547.D

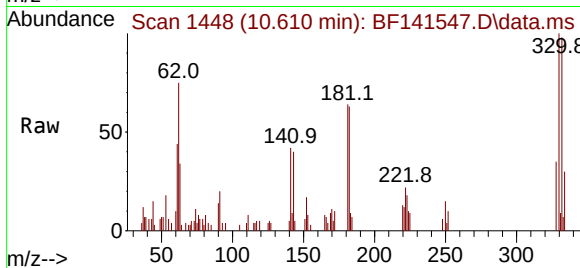
Acq: 10 Feb 2025 20:45

Instrument :

BNA_F

ClientSampleId :

JPP-42.2-012925DL



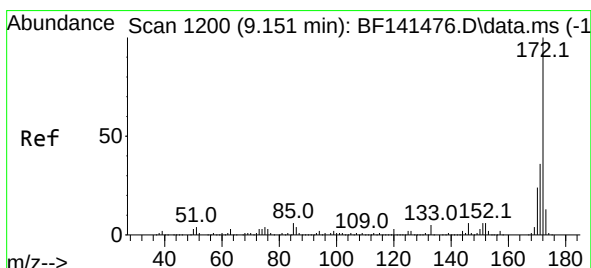
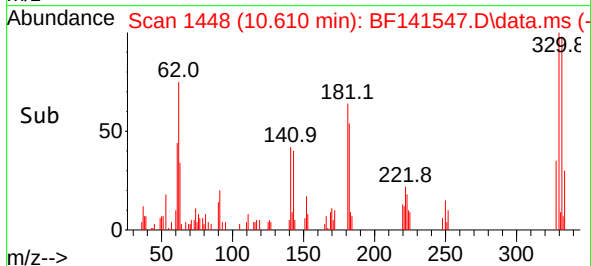
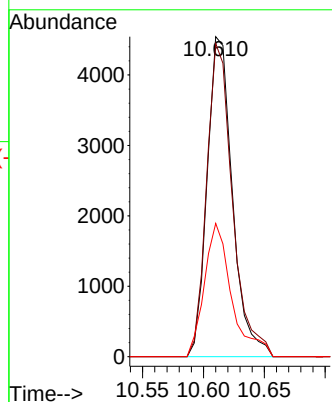
Tgt Ion:330 Resp: 6569

Ion Ratio Lower Upper

330 100

332 99.7 78.5 117.7

141 45.0 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 13.002 ng

RT: 9.140 min Scan# 1198

Delta R.T. -0.011 min

Lab File: BF141547.D

Acq: 10 Feb 2025 20:45

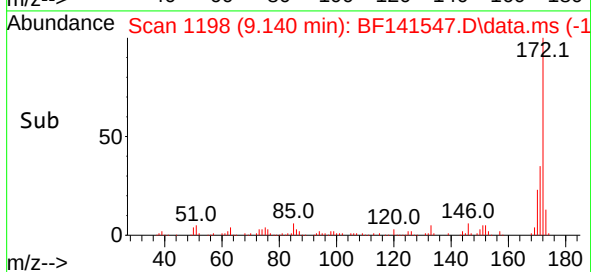
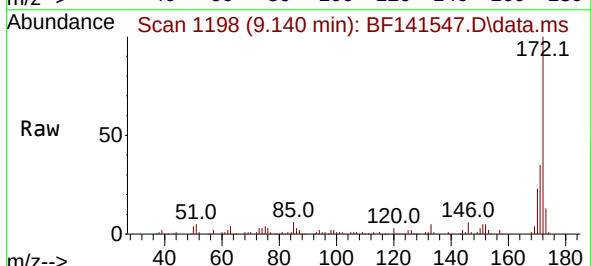
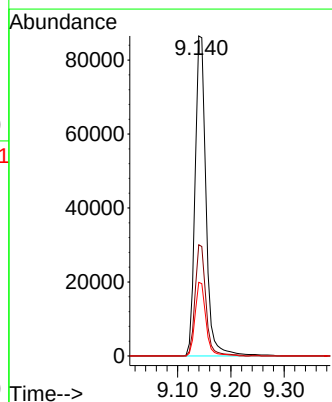
Tgt Ion:172 Resp: 124048

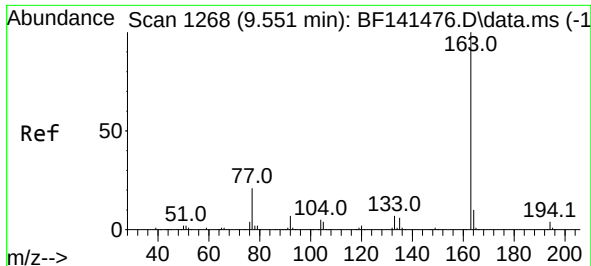
Ion Ratio Lower Upper

172 100

171 34.8 28.7 43.1

170 23.0 18.9 28.3

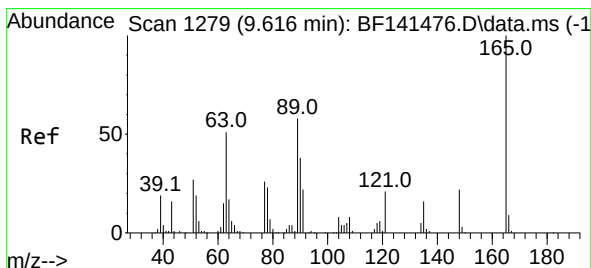
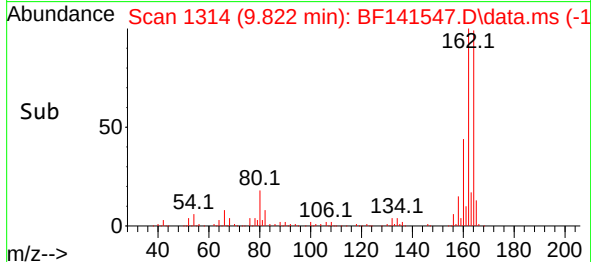
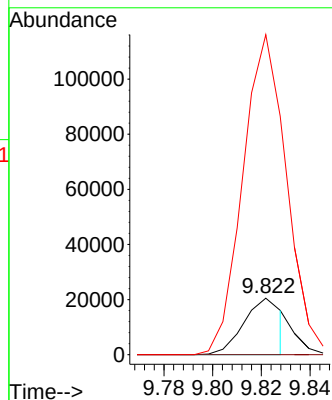
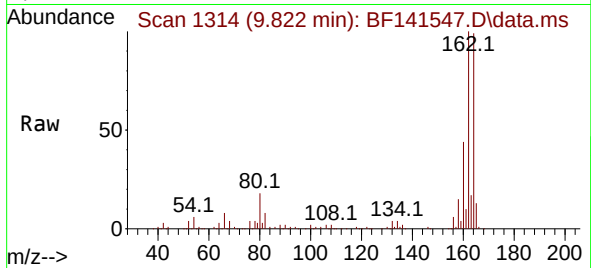




#50
Dimethylphthalate
Concen: 2.210 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF141547.D
Acq: 10 Feb 2025 20:45

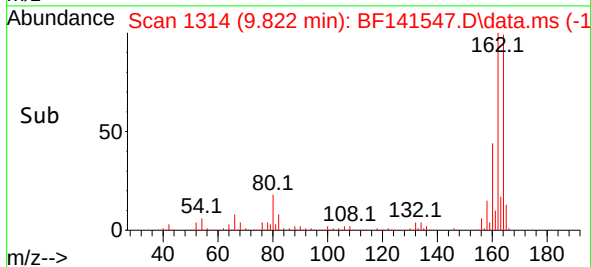
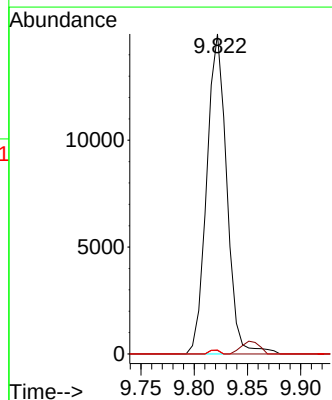
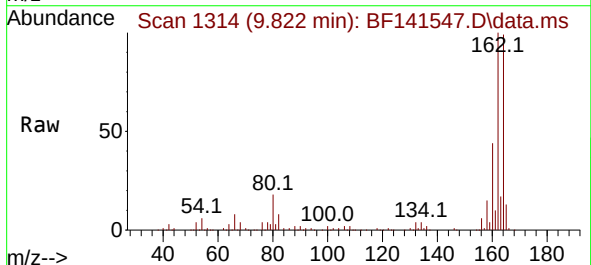
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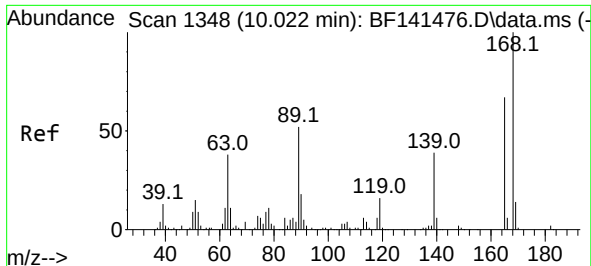
Tgt Ion:163 Resp: 22057
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 566.2 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 8.998 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.200 min
Lab File: BF141547.D
Acq: 10 Feb 2025 20:45

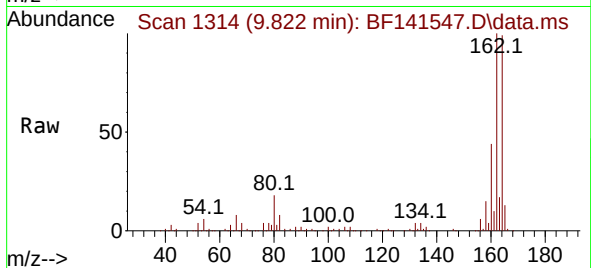
Tgt Ion:165 Resp: 19629
Ion Ratio Lower Upper
165 100
63 1.1 49.4 74.0#
89 1.3 46.5 69.7#



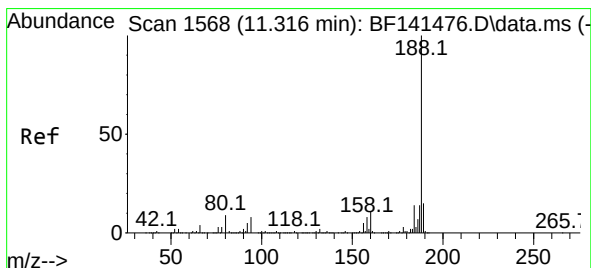
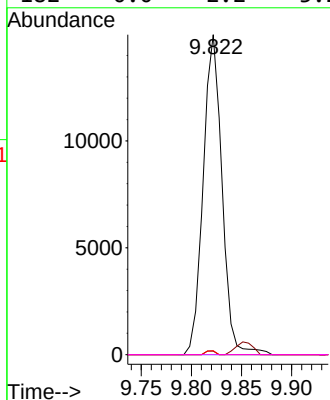
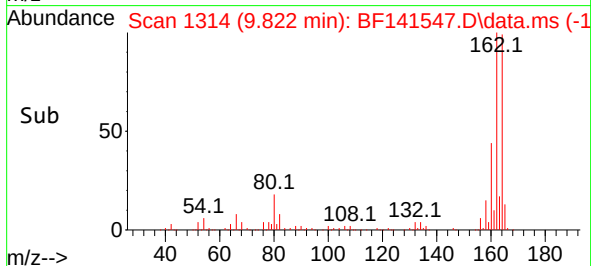


#57
2,4-Dinitrotoluene
Concen: 6.759 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF141547.D
Acq: 10 Feb 2025 20:45

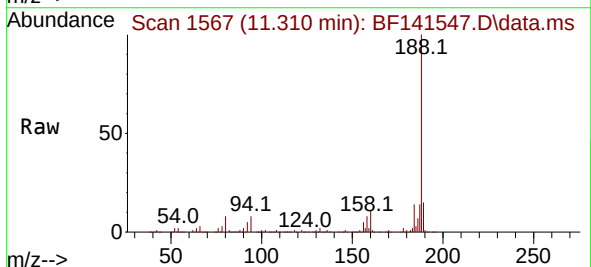
Instrument :
BNA_F
ClientSampleId :
JPP-42.2-012925DL



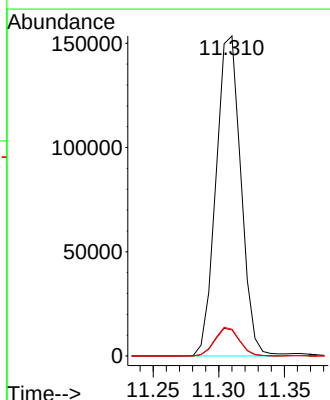
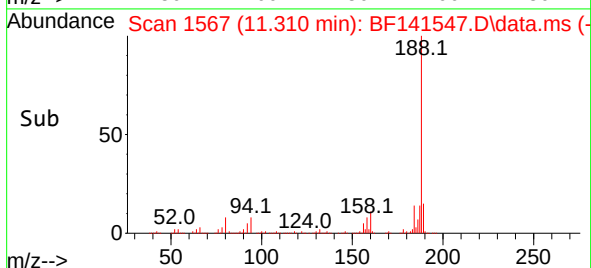
Tgt Ion:165 Resp: 19629
Ion Ratio Lower Upper
165 100
63 1.1 46.4 69.6#
89 1.3 61.8 92.6#
182 0.0 2.2 3.2#

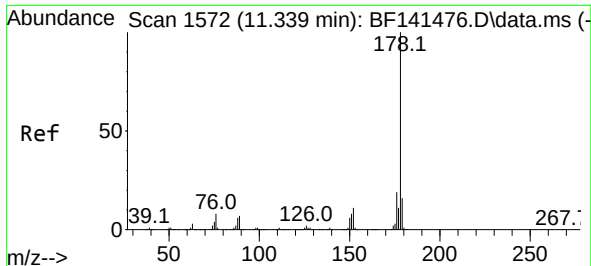


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141547.D
Acq: 10 Feb 2025 20:45



Tgt Ion:188 Resp: 202539
Ion Ratio Lower Upper
188 100
94 8.2 6.6 10.0
80 8.4 7.3 10.9

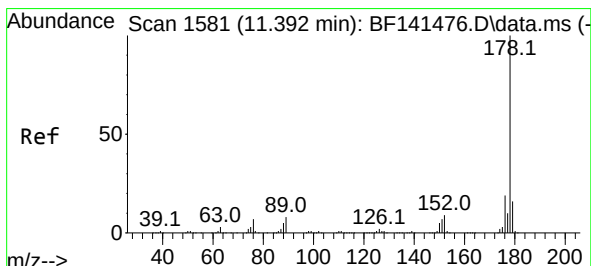
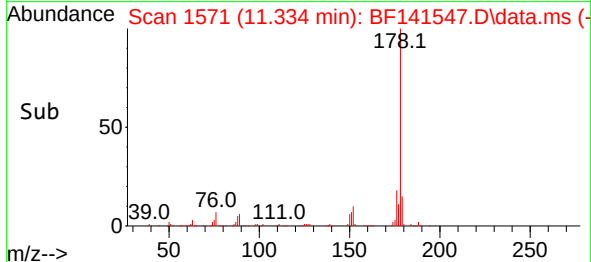
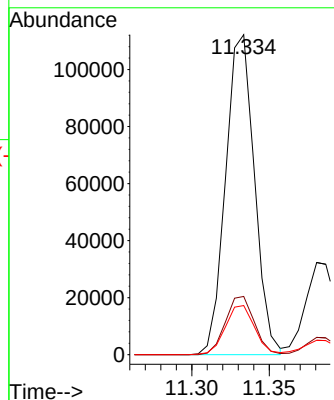
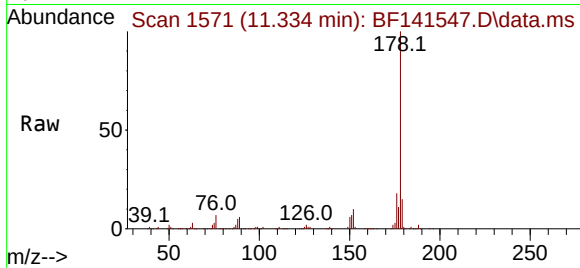




#71
Phenanthrene
Concen: 13.028 ng
RT: 11.334 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF141547.D
Acq: 10 Feb 2025 20:45

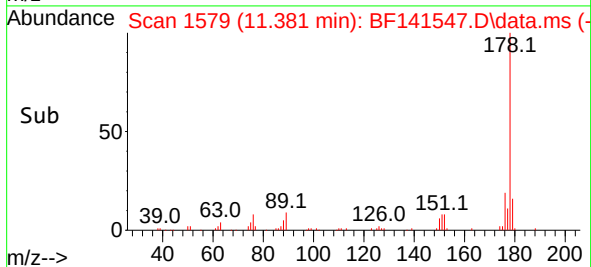
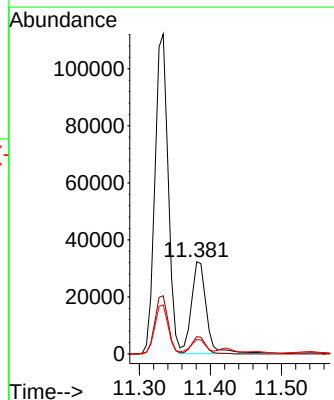
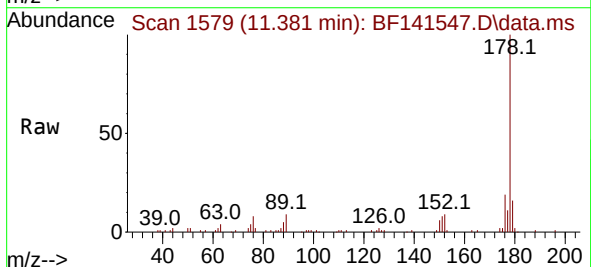
Instrument :
BNA_F
ClientSampleId :
JPP-42.2-012925DL

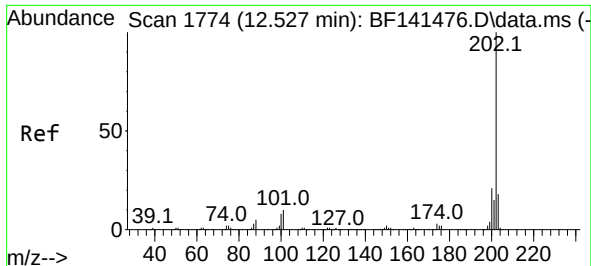
Tgt Ion:178 Resp: 145244
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.0
179 15.4 12.4 18.6



#72
Anthracene
Concen: 4.247 ng
RT: 11.381 min Scan# 1579
Delta R.T. -0.017 min
Lab File: BF141547.D
Acq: 10 Feb 2025 20:45

Tgt Ion:178 Resp: 47592
Ion Ratio Lower Upper
178 100
176 18.8 14.8 22.2
179 15.6 12.4 18.6

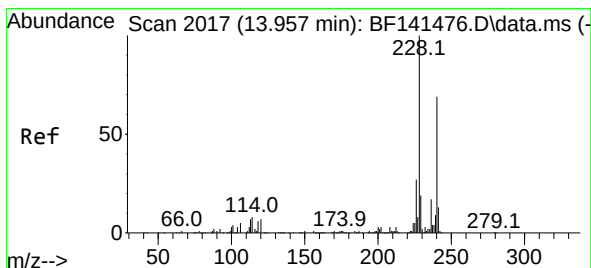
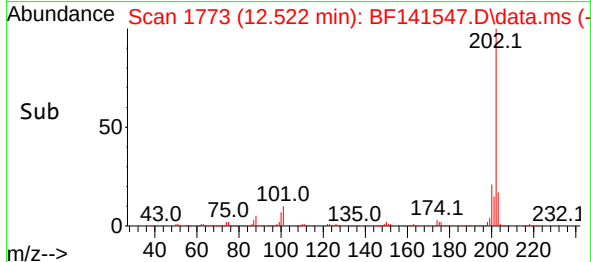
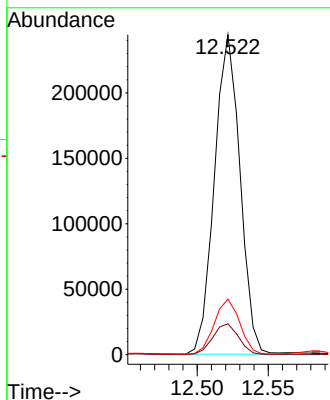
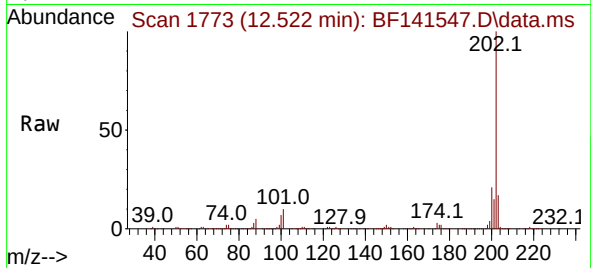




#75
Fluoranthene
Concen: 25.847 ng
RT: 12.522 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141547.D
Acq: 10 Feb 2025 20:45

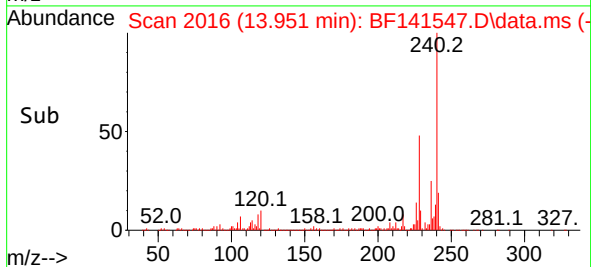
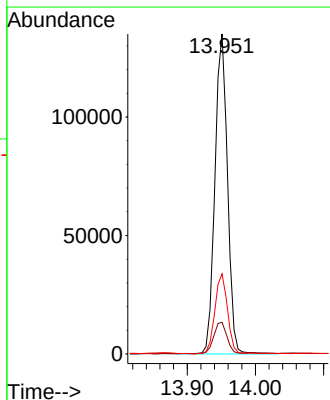
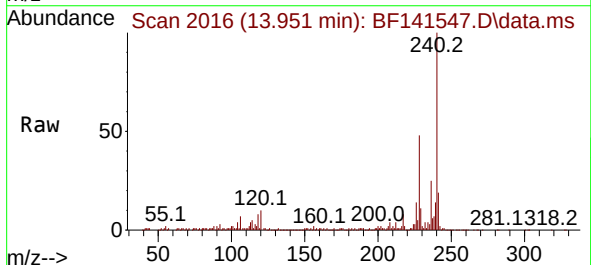
Instrument :
BNA_F
ClientSampleId :
JPP-42.2-012925DL

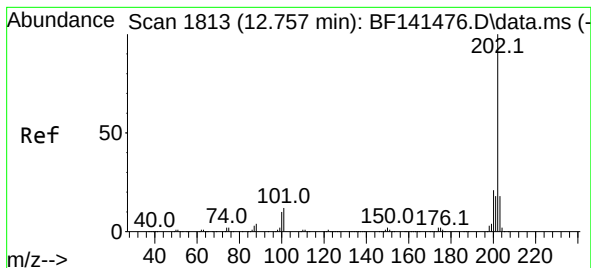
Tgt Ion:202 Resp: 305505
Ion Ratio Lower Upper
202 100
101 9.7 0.0 30.2
203 17.3 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.011 min
Lab File: BF141547.D
Acq: 10 Feb 2025 20:45

Tgt Ion:240 Resp: 173399
Ion Ratio Lower Upper
240 100
120 9.9 8.0 12.0
236 25.0 19.8 29.8





#78

Pyrene

Concen: 20.806 ng

RT: 12.751 min Scan# 1812

Delta R.T. -0.011 min

Lab File: BF141547.D

Acq: 10 Feb 2025 20:45

Instrument :

BNA_F

ClientSampleId :

JPP-42.2-012925DL

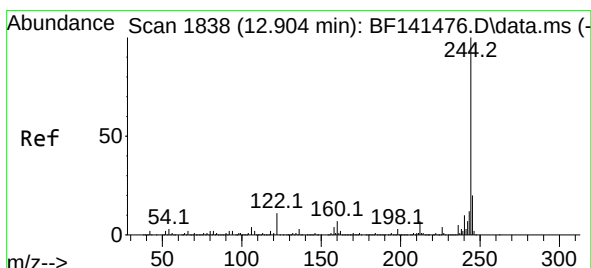
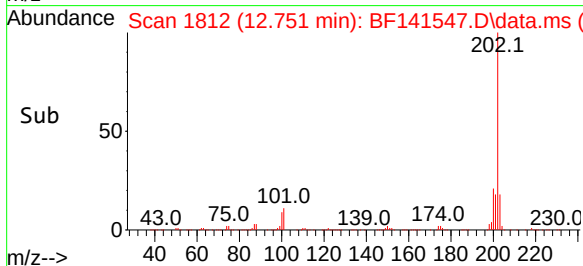
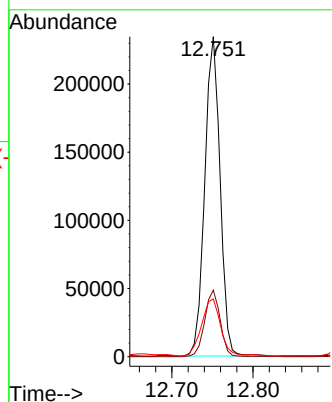
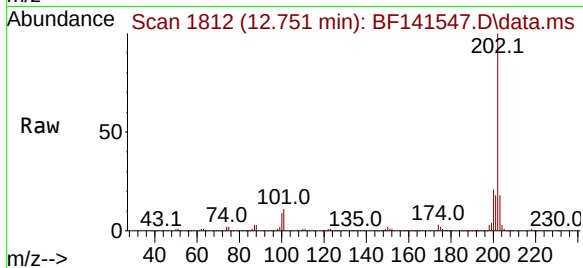
Tgt Ion:202 Resp: 307116

Ion Ratio Lower Upper

202 100

200 20.8 17.0 25.4

203 18.0 14.3 21.5



#79

Terphenyl-d14

Concen: 9.685 ng

RT: 12.892 min Scan# 1836

Delta R.T. -0.011 min

Lab File: BF141547.D

Acq: 10 Feb 2025 20:45

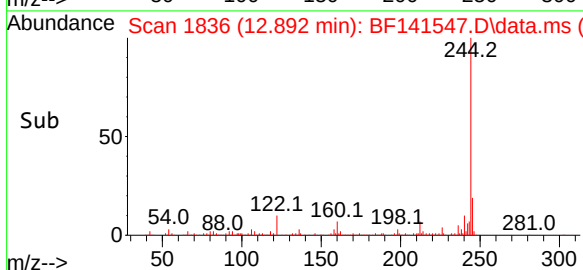
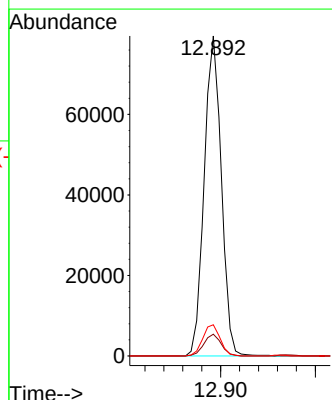
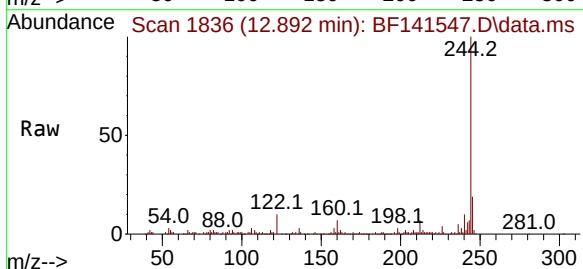
Tgt Ion:244 Resp: 99477

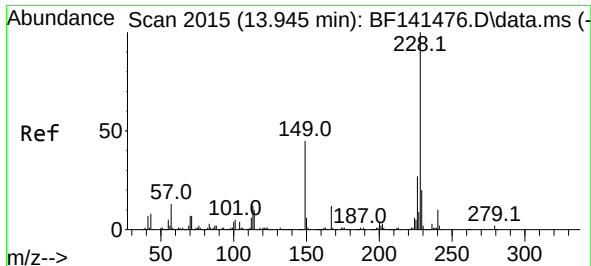
Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 9.7 8.4 12.6

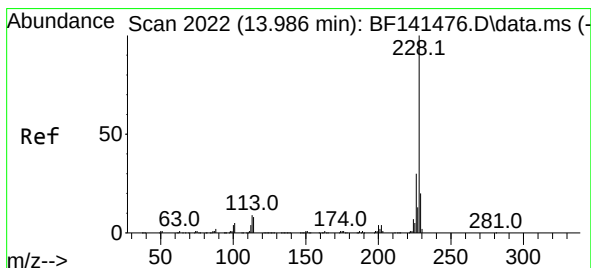
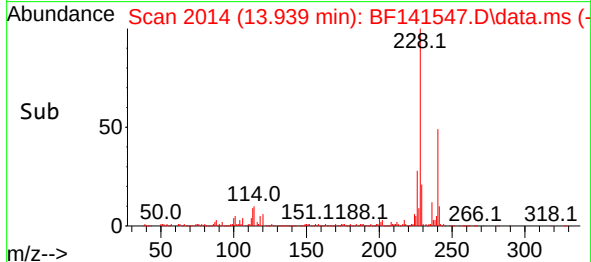
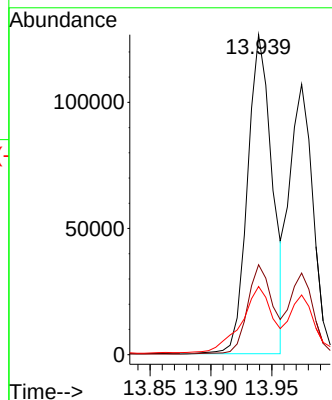
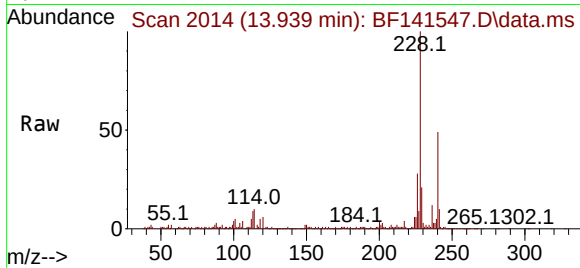




#81
Benzo(a)anthracene
Concen: 15.542 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.011 min
Lab File: BF141547.D
Acq: 10 Feb 2025 20:45

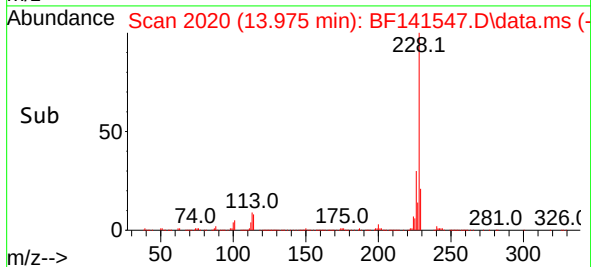
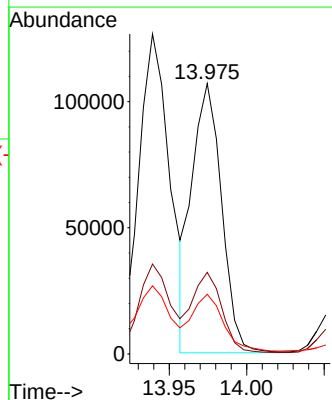
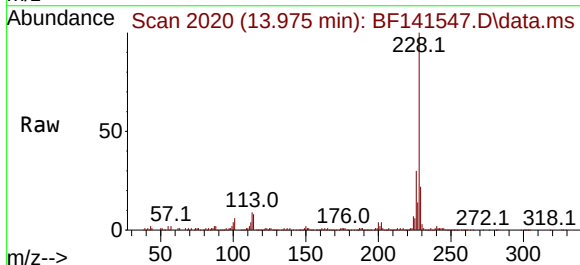
Instrument :
BNA_F
ClientSampleId :
JPP-42.2-012925DL

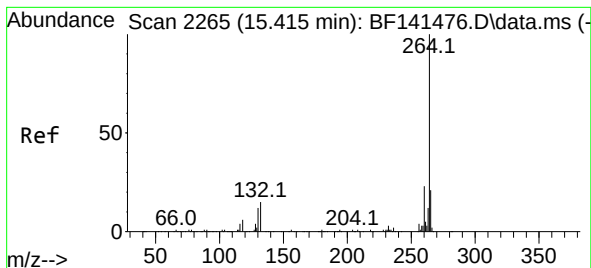
Tgt Ion:228 Resp: 179139
Ion Ratio Lower Upper
228 100
226 28.1 21.8 32.8
229 21.3 15.8 23.6



#83
Chrysene
Concen: 13.297 ng
RT: 13.975 min Scan# 2020
Delta R.T. -0.017 min
Lab File: BF141547.D
Acq: 10 Feb 2025 20:45

Tgt Ion:228 Resp: 141521
Ion Ratio Lower Upper
228 100
226 30.2 24.0 36.0
229 22.1 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 2192

Delta R.T. -0.011 min

Lab File: BF141547.D

Acq: 10 Feb 2025 20:45

Instrument :

BNA_F

ClientSampleId :

JPP-42.2-012925DL

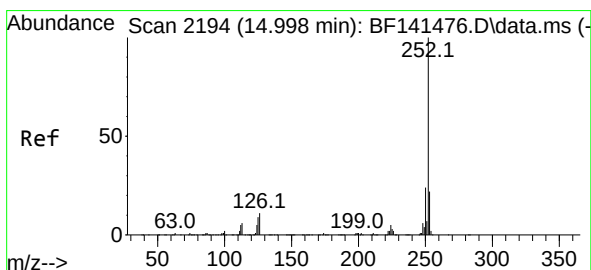
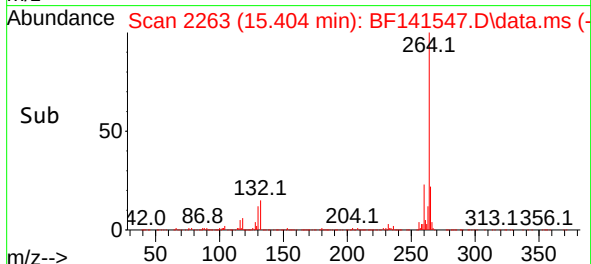
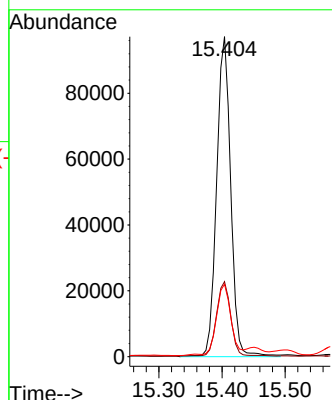
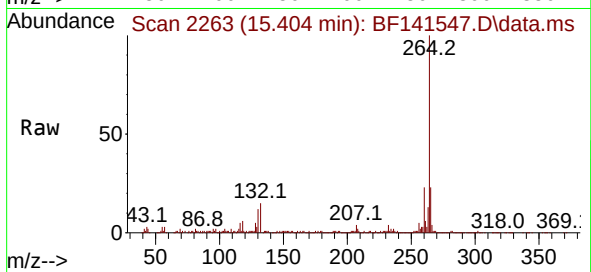
Tgt Ion:264 Resp: 150535

Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 22.6 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 25.712 ng

RT: 14.986 min Scan# 2192

Delta R.T. -0.017 min

Lab File: BF141547.D

Acq: 10 Feb 2025 20:45

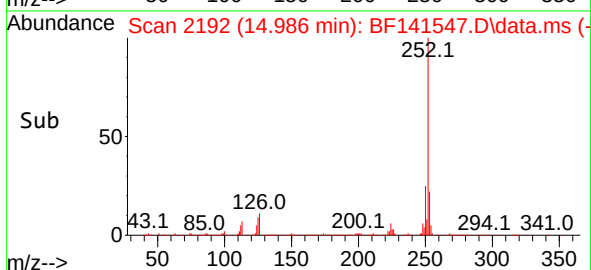
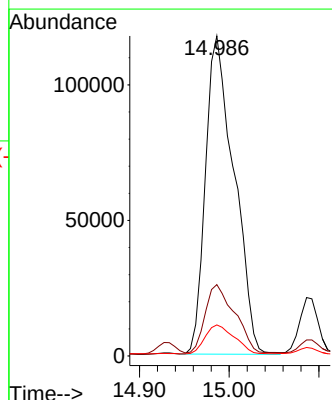
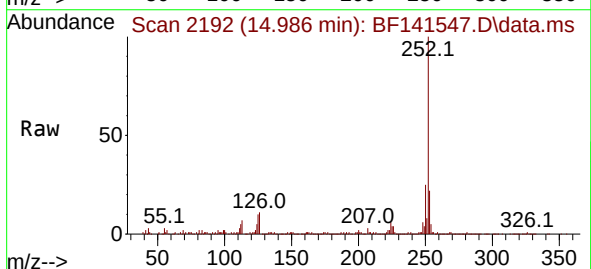
Tgt Ion:252 Resp: 259888

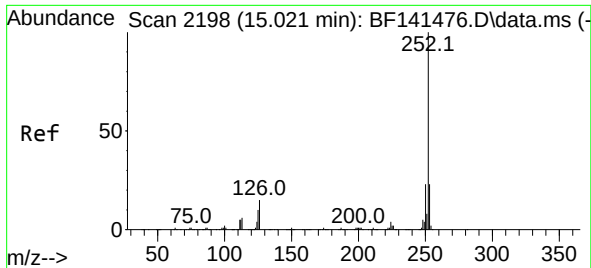
Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

125 9.7 7.0 10.6

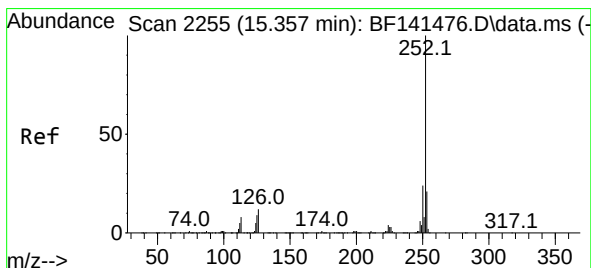
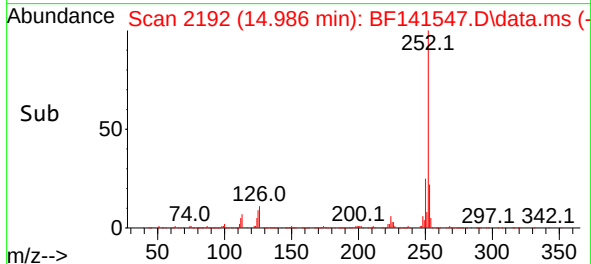
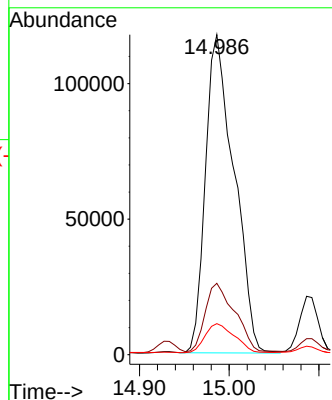
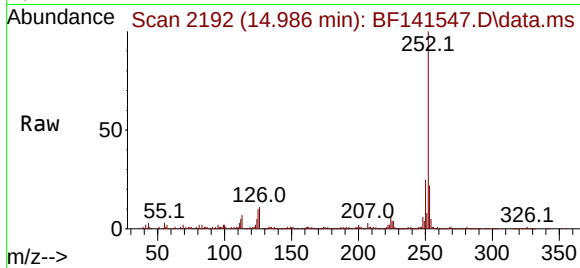




#89
Benzo(k)fluoranthene
Concen: 30.111 ng
RT: 14.986 min Scan# 2198
Delta R.T. -0.047 min
Lab File: BF141547.D
Acq: 10 Feb 2025 20:45

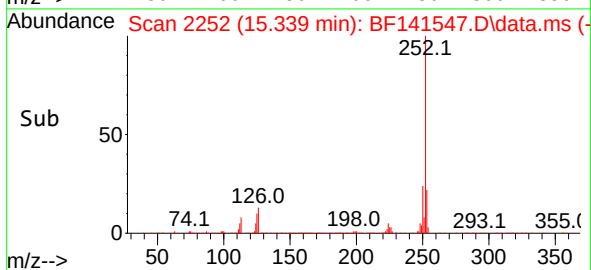
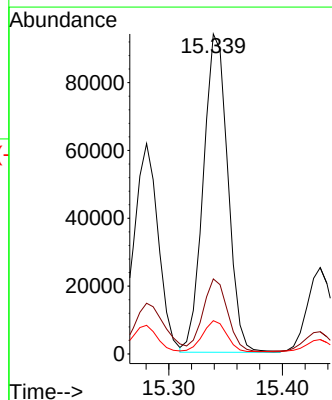
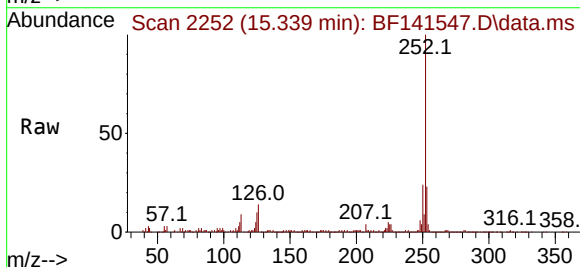
Instrument :
BNA_F
ClientSampleId :
JPP-42.2-012925DL

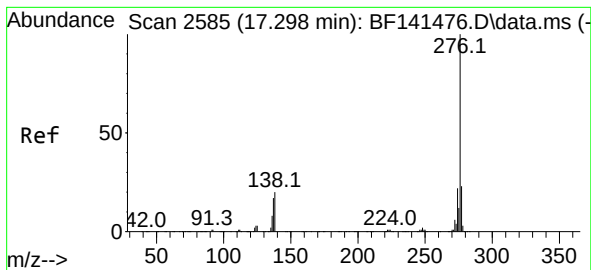
Tgt Ion:252 Resp: 259888
Ion Ratio Lower Upper
252 100
253 22.3 18.0 27.0
125 9.7 7.4 11.0



#90
Benzo(a)pyrene
Concen: 17.219 ng
RT: 15.339 min Scan# 2252
Delta R.T. -0.023 min
Lab File: BF141547.D
Acq: 10 Feb 2025 20:45

Tgt Ion:252 Resp: 140833
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 10.4 7.4 11.2





#92

Benzo(g,h,i)perylene

Concen: 7.771 ng

RT: 17.268 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF141547.D

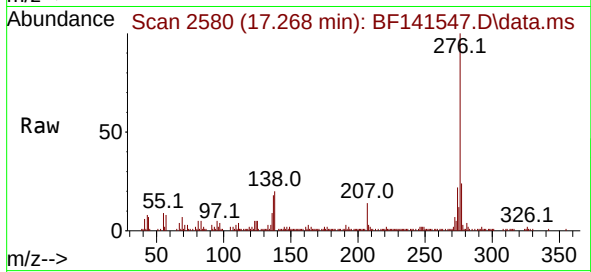
Acq: 10 Feb 2025 20:45

Instrument :

BNA_F

ClientSampleId :

JPP-42.2-012925DL



Tgt Ion:276 Resp: 61289

Ion Ratio Lower Upper

276 100

277 24.4 18.6 28.0

138 20.3 15.9 23.9

