

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141391.D
 Acq On : 04 Feb 2025 01:16
 Operator : RC/JU
 Sample : Q1216-19 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-26.2-012825

Quant Time: Feb 04 01:56:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

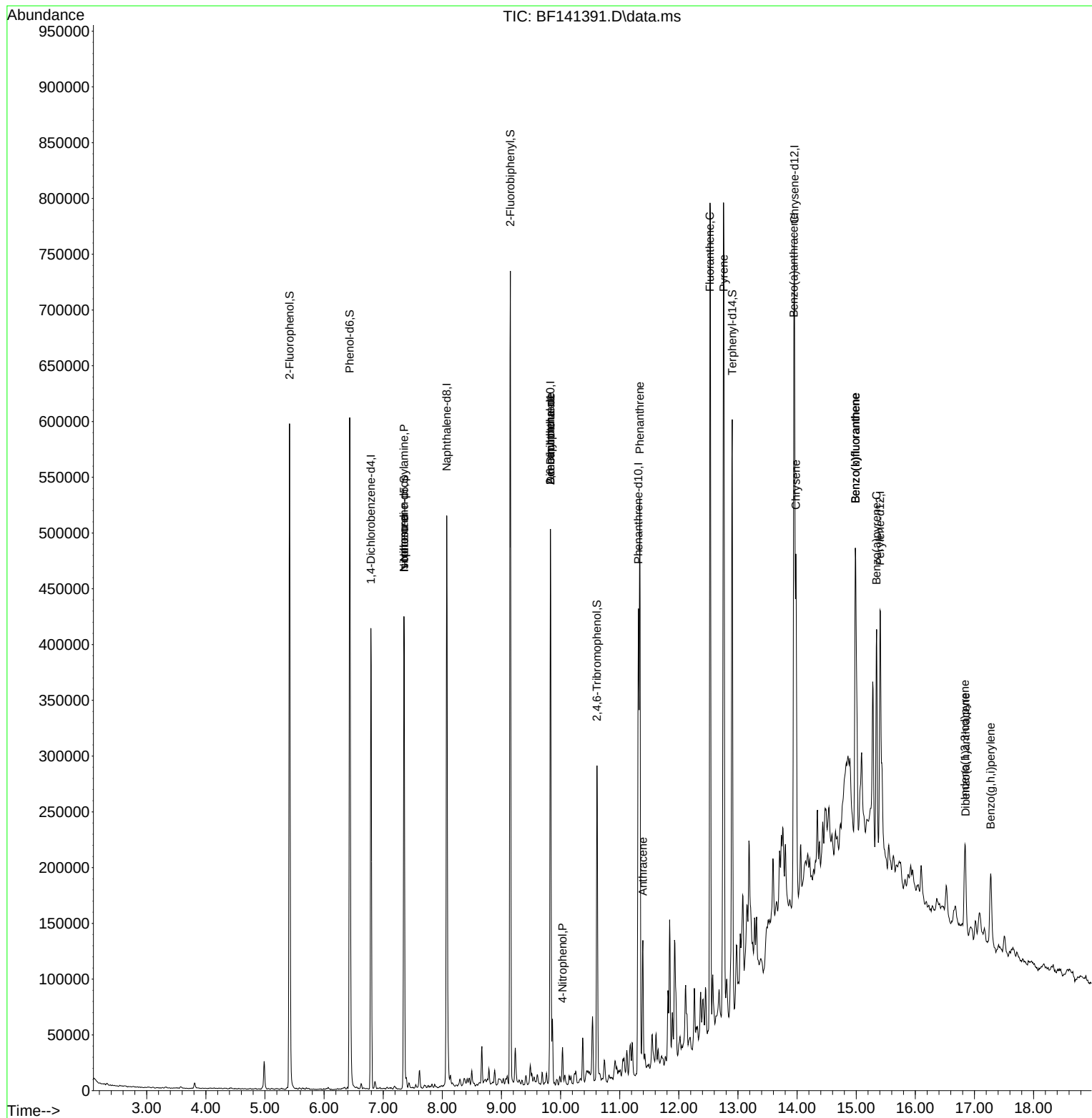
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	83992	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	310163	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	143586	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	203961	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	171871	20.000	ng	-0.02
86) Perylene-d12	15.404	264	127914	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	223170	40.791	ng	0.00
7) Phenol-d6	6.434	99	274019	39.371	ng	0.00
23) Nitrobenzene-d5	7.351	82	177309	30.136	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	38087	28.934	ng	-0.02
45) 2-Fluorobiphenyl	9.151	172	309947	33.225	ng	-0.01
79) Terphenyl-d14	12.904	244	251554	22.572	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	24934	6.029	ng	# 76
25) Isophorone	7.351	82	174412	17.149	ng	# 64
50) Dimethylphthalate	9.828	163	20277	2.091	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	19405	8.618	ng	# 24
56) 4-Nitrophenol	10.033	139	5432	3.366	ng	# 9
71) Phenanthrene	11.339	178	265295	24.197	ng	99
72) Anthracene	11.392	178	64936	6.045	ng	98
75) Fluoranthene	12.527	202	429491	39.674	ng	99
78) Pyrene	12.757	202	426236	25.836	ng	98
81) Benzo(a)anthracene	13.945	228	198124	16.705	ng	97
83) Chrysene	13.980	228	168700	15.521	ng	98
87) Indeno(1,2,3-cd)pyrene	16.839	276	58577	7.095	ng	94
88) Benzo(b)fluoranthene	14.986	252	219451	27.274	ng	98
89) Benzo(k)fluoranthene	14.986	252	219451	30.788	ng	98
90) Benzo(a)pyrene	15.345	252	119381	17.558	ng	98
91) Dibenzo(a,h)anthracene	16.851	278	14802	2.228	ng	# 87
92) Benzo(g,h,i)perylene	17.274	276	57534	8.330	ng	98

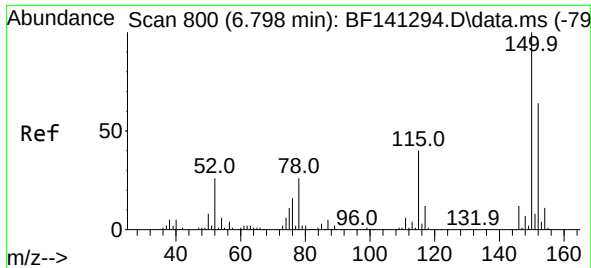
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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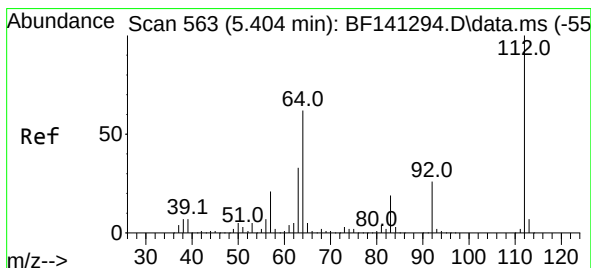
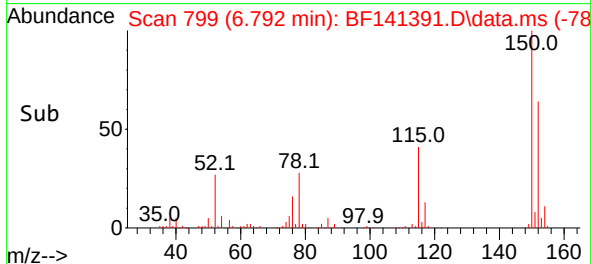
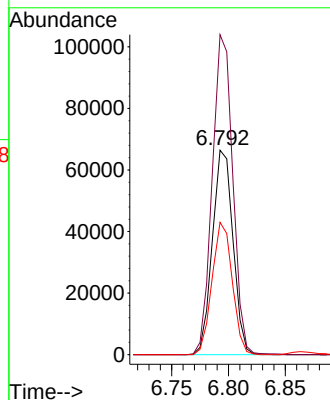
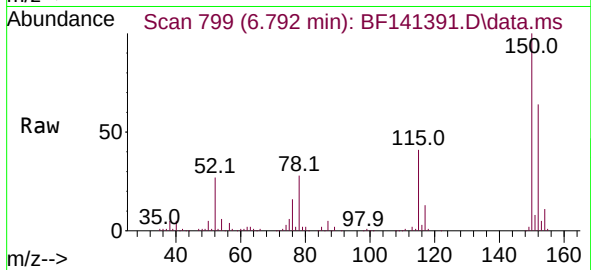




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

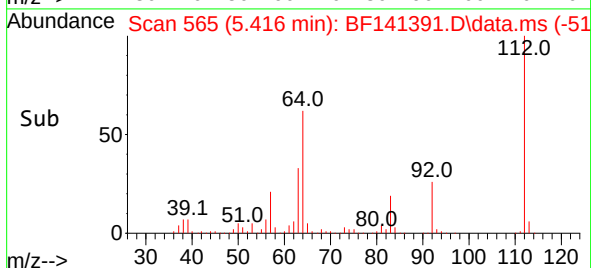
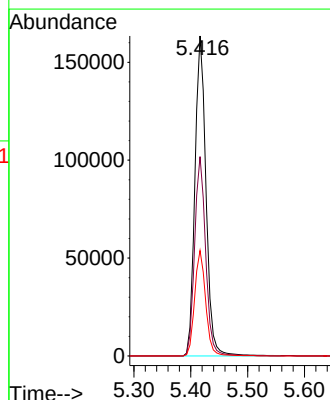
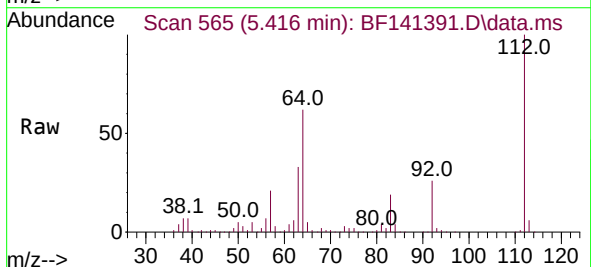
Instrument :
BNA_F
ClientSampleId :
JPP-26.2-012825

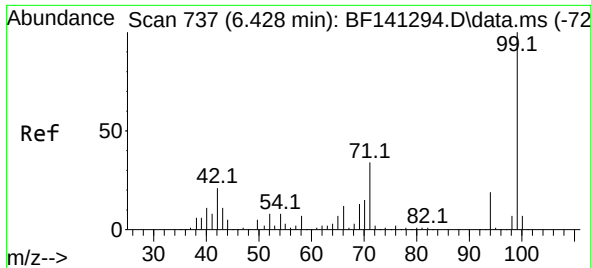
Tgt Ion:152 Resp: 83992
Ion Ratio Lower Upper
152 100
150 156.5 125.9 188.9
115 64.7 49.7 74.5



#5
2-Fluorophenol
Concen: 40.791 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

Tgt Ion:112 Resp: 223170
Ion Ratio Lower Upper
112 100
64 62.3 49.8 74.8
63 33.0 26.1 39.1

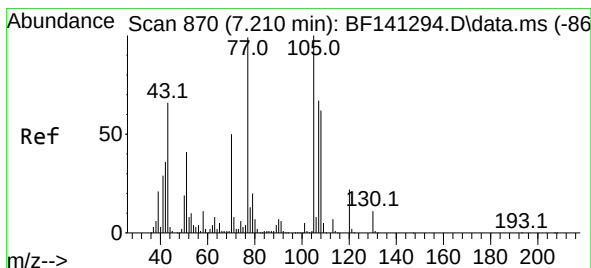
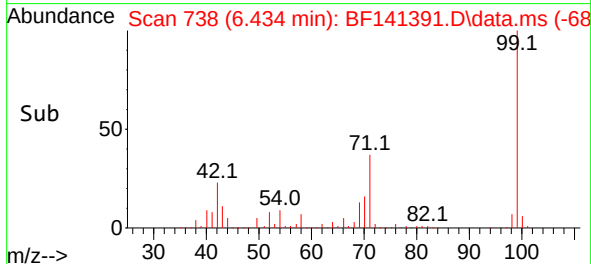
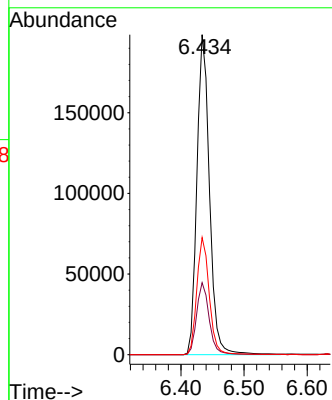
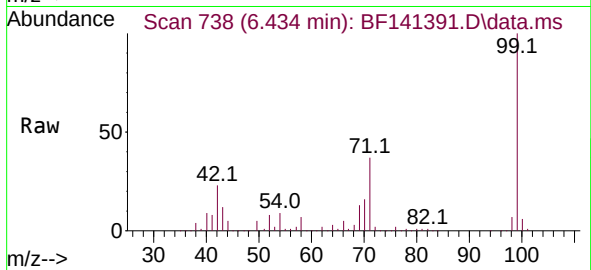




#7
Phenol-d6
Concen: 39.371 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

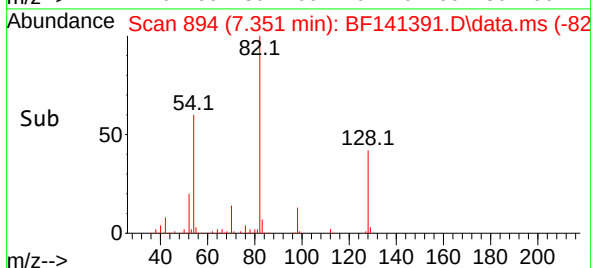
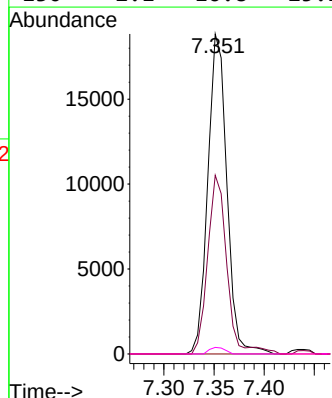
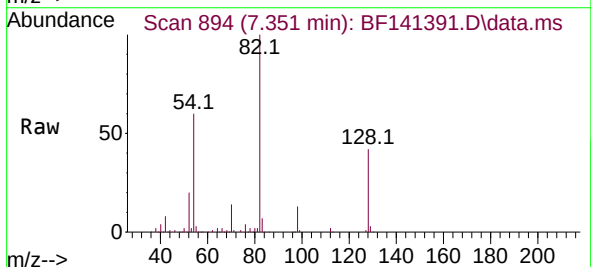
Instrument :
BNA_F
ClientSampleId :
JPP-26.2-012825

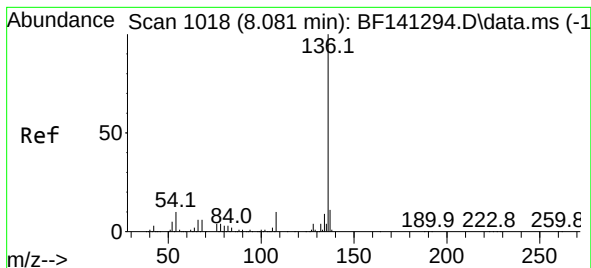
Tgt Ion: 99 Resp: 274019
Ion Ratio Lower Upper
99 100
42 22.5 17.1 25.7
71 36.6 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 6.029 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.123 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

Tgt Ion: 70 Resp: 24934
Ion Ratio Lower Upper
70 100
42 55.8 56.8 85.2#
101 0.0 7.7 11.5#
130 2.1 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141391.D

Acq: 04 Feb 2025 01:16

Instrument :

BNA_F

ClientSampleId :

JPP-26.2-012825

Tgt Ion:136 Resp: 310163

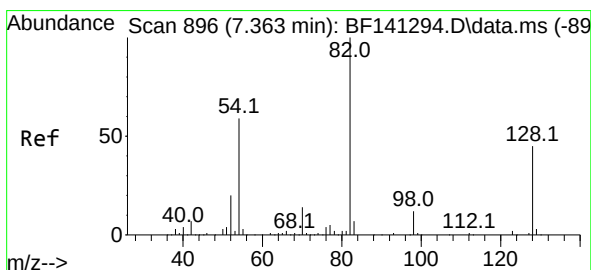
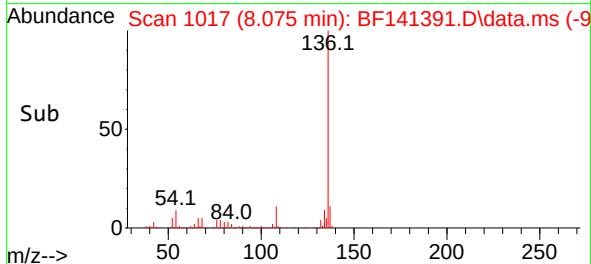
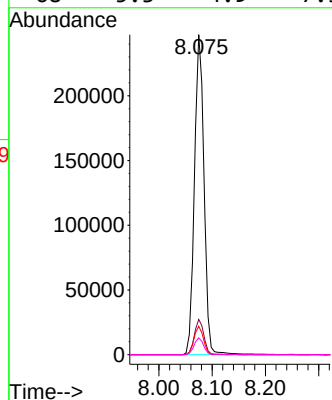
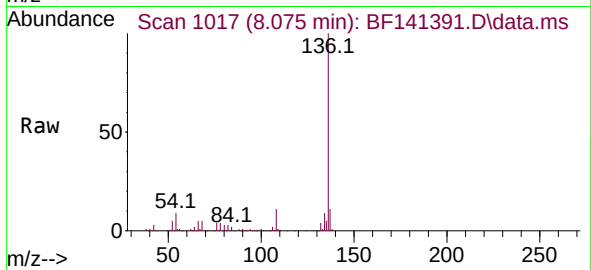
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 8.9 7.8 11.8

68 5.3 4.9 7.3



#23

Nitrobenzene-d5

Concen: 30.136 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.018 min

Lab File: BF141391.D

Acq: 04 Feb 2025 01:16

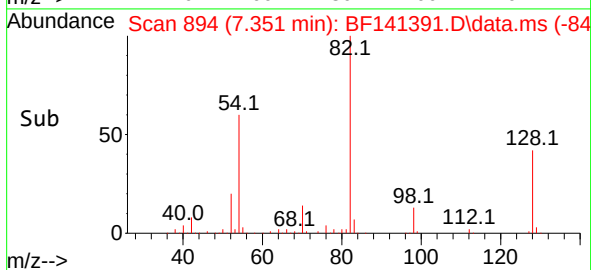
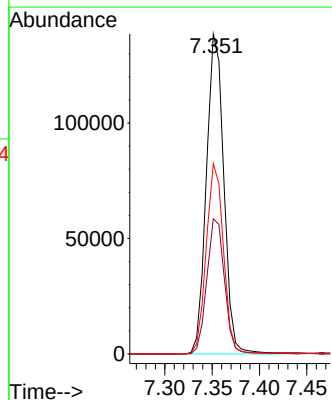
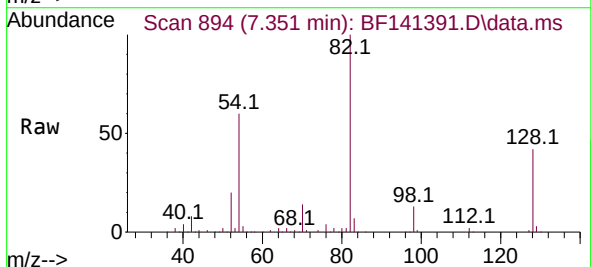
Tgt Ion: 82 Resp: 177309

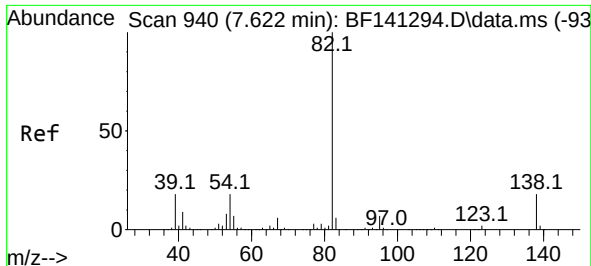
Ion Ratio Lower Upper

82 100

128 42.3 35.7 53.5

54 59.5 47.1 70.7

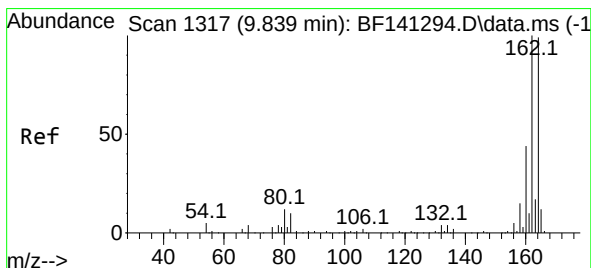
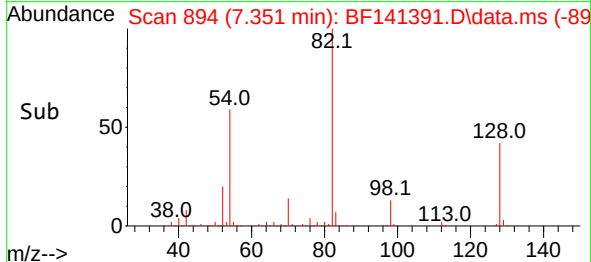
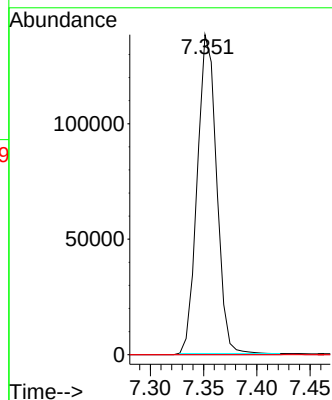
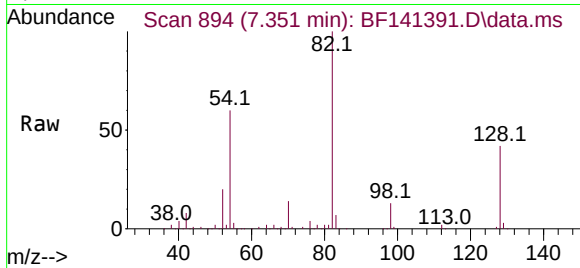




#25
Isophorone
Concen: 17.149 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.277 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

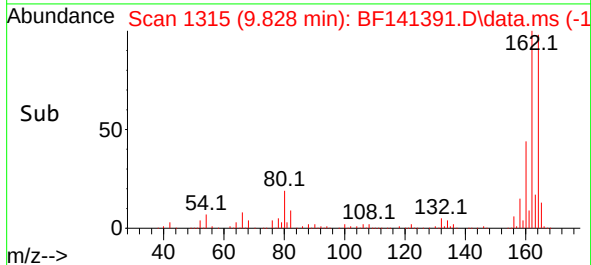
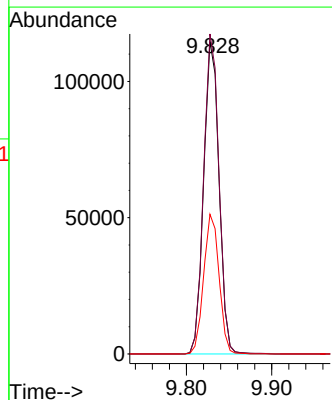
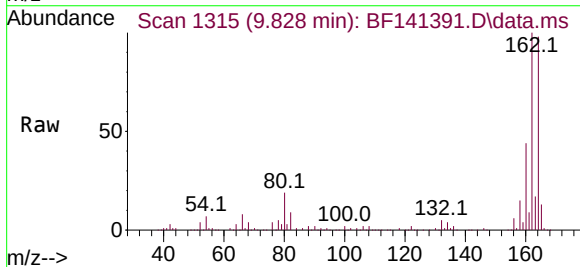
Instrument :
BNA_F
ClientSampleId :
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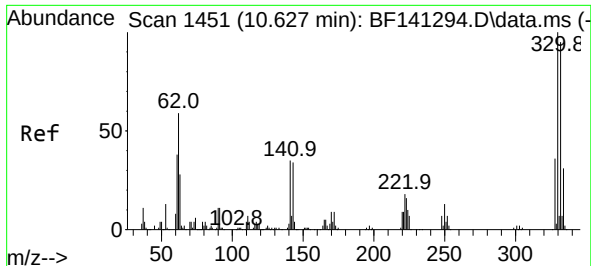
Tgt Ion: 82 Resp: 174412
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

Tgt Ion:164 Resp: 143586
Ion Ratio Lower Upper
164 100
162 102.4 80.6 121.0
160 44.7 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 28.934 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.018 min

Lab File: BF141391.D

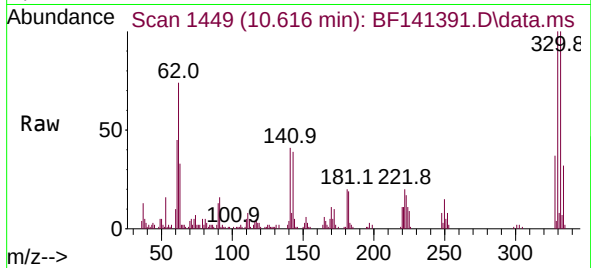
Acq: 04 Feb 2025 01:16

Instrument :

BNA_F

ClientSampleId :

JPP-26.2-012825



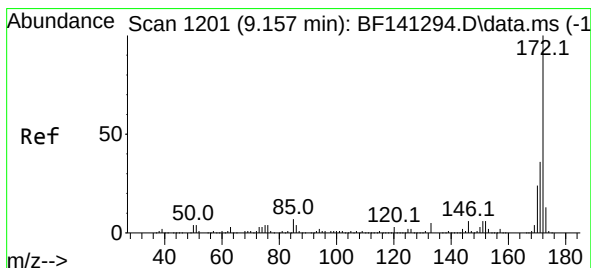
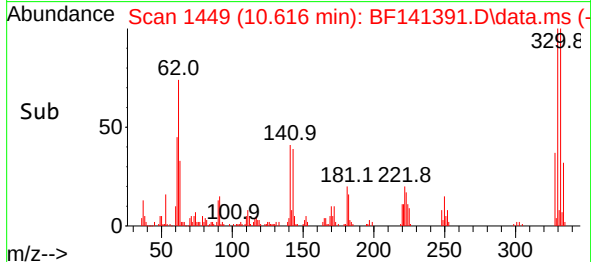
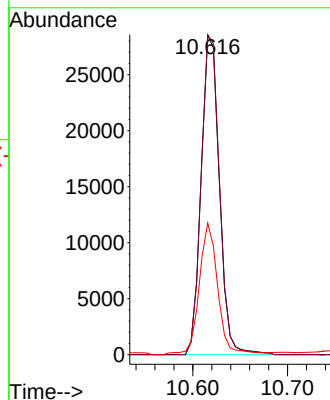
Tgt Ion:330 Resp: 38087

Ion Ratio Lower Upper

330 100

332 100.8 76.1 114.1

141 42.0 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 33.225 ng

RT: 9.151 min Scan# 1200

Delta R.T. -0.012 min

Lab File: BF141391.D

Acq: 04 Feb 2025 01:16

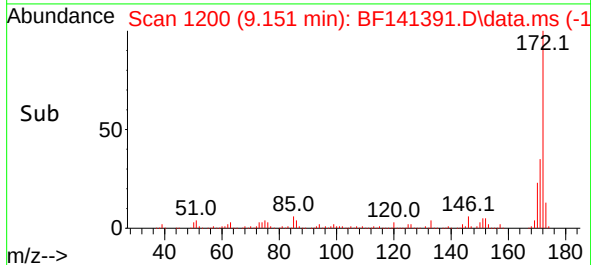
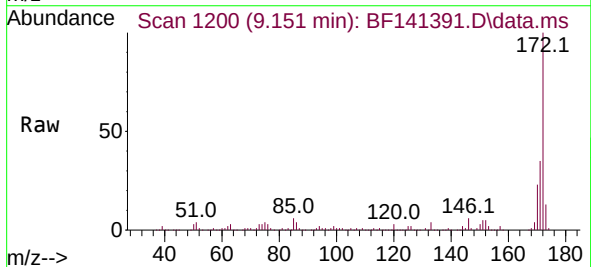
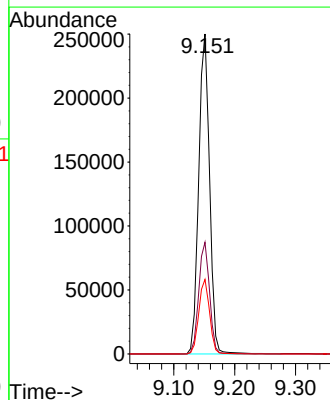
Tgt Ion:172 Resp: 309947

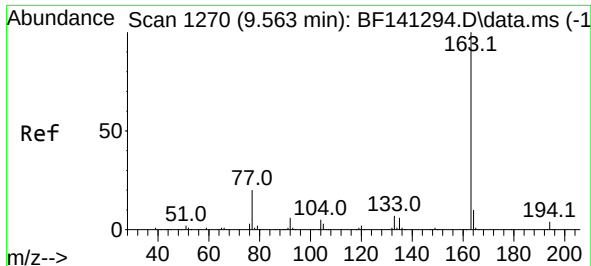
Ion Ratio Lower Upper

172 100

171 34.9 28.8 43.2

170 23.3 19.0 28.6

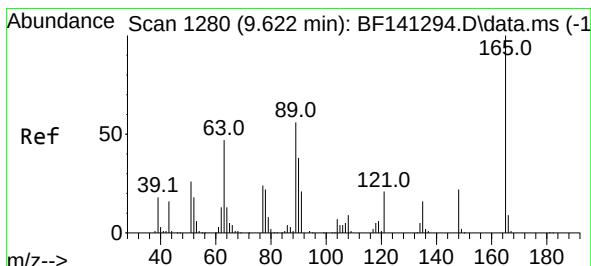
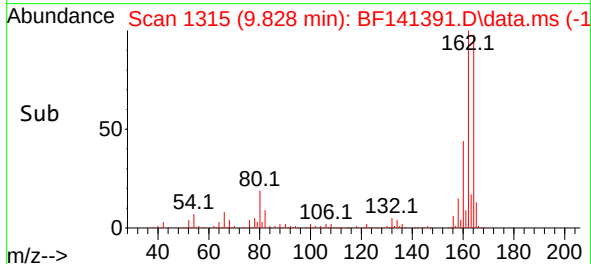
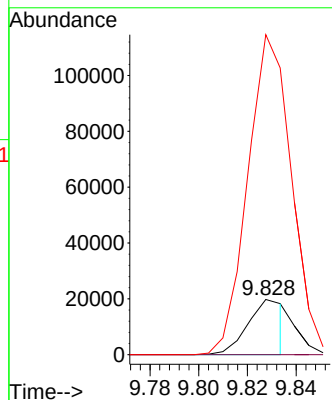
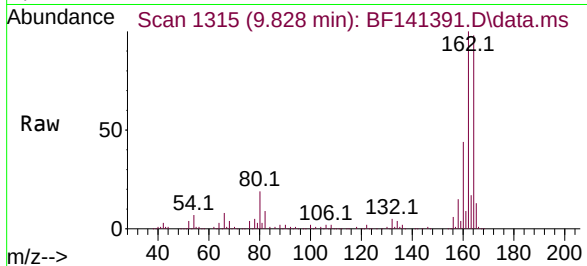




#50
Dimethylphthalate
Concen: 2.091 ng
RT: 9.828 min Scan# 1315
Delta R.T. 0.259 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

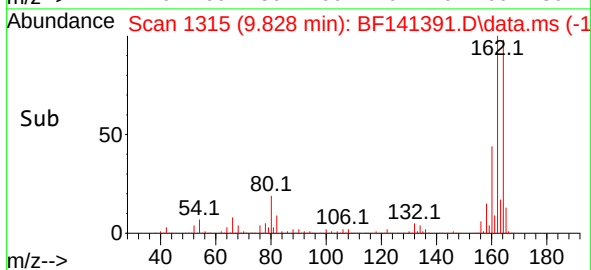
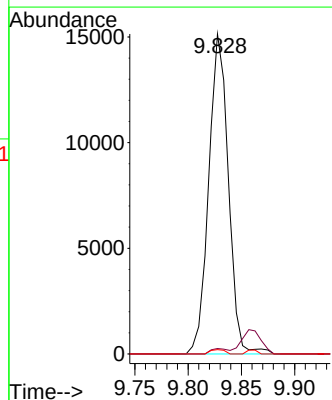
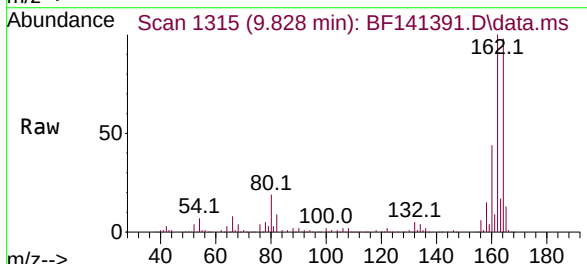
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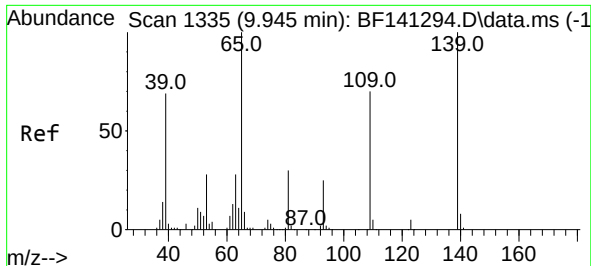
Tgt Ion:163 Resp: 20277
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 579.9 8.0 12.0#



#51
2,6-Dinitrotoluene
Concen: 8.618 ng
RT: 9.828 min Scan# 1315
Delta R.T. 0.200 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

Tgt Ion:165 Resp: 19405
Ion Ratio Lower Upper
165 100
63 1.7 48.1 72.1#
89 1.4 44.9 67.3#

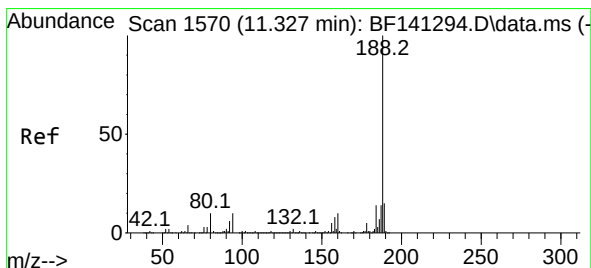
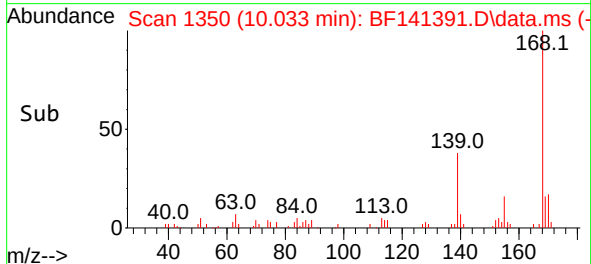
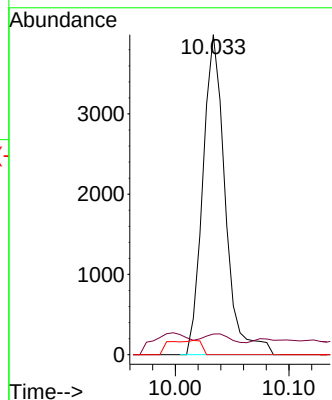
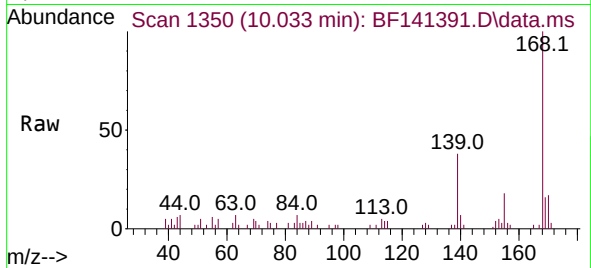




#56
4-Nitrophenol
Concen: 3.366 ng
RT: 10.033 min Scan# 11
Delta R.T. 0.076 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

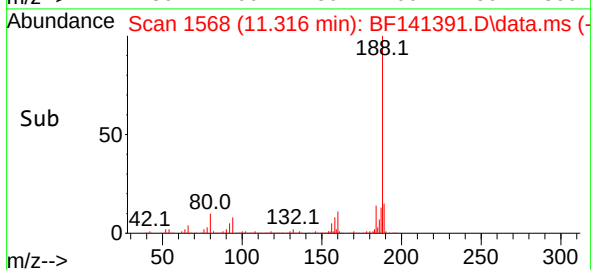
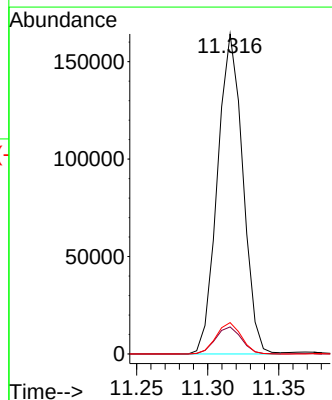
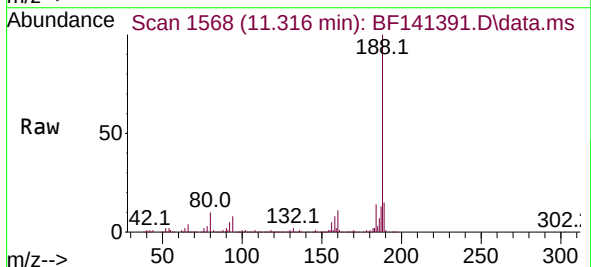
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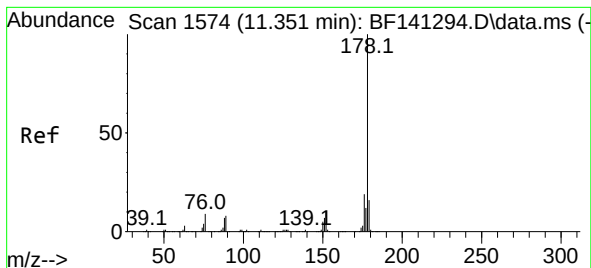
Tgt Ion:139 Resp: 5432
Ion Ratio Lower Upper
139 100
109 6.4 50.2 90.2#
65 0.0 80.6 120.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

Tgt Ion:188 Resp: 203961
Ion Ratio Lower Upper
188 100
94 8.5 7.8 11.6
80 9.8 8.2 12.4





#71

Phenanthrene

Concen: 24.197 ng

RT: 11.339 min Scan# 1572

Delta R.T. -0.012 min

Lab File: BF141391.D

Acq: 04 Feb 2025 01:16

Instrument :

BNA_F

ClientSampleId :

JPP-26.2-012825

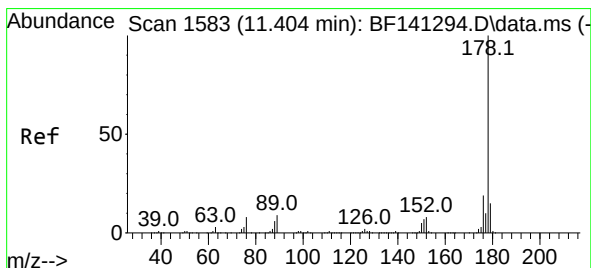
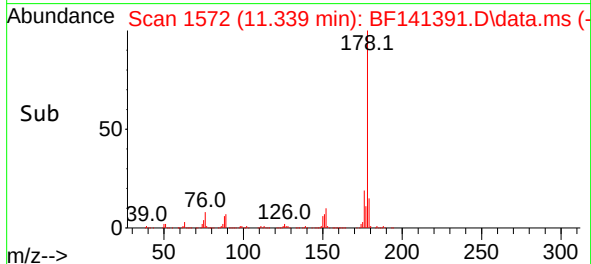
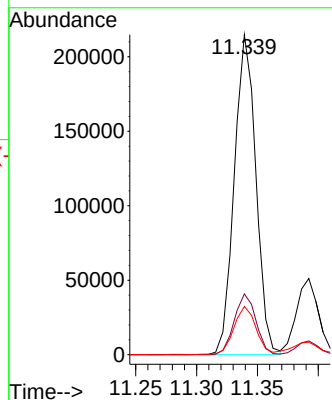
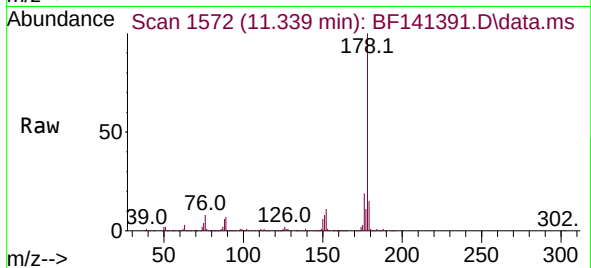
Tgt Ion:178 Resp: 265295

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 15.1 12.5 18.7



#72

Anthracene

Concen: 6.045 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF141391.D

Acq: 04 Feb 2025 01:16

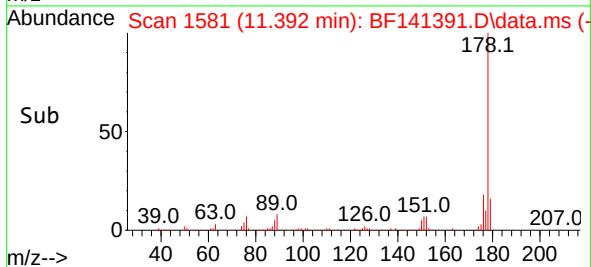
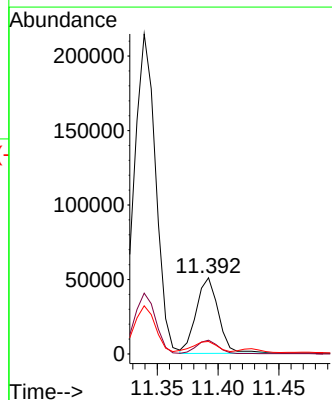
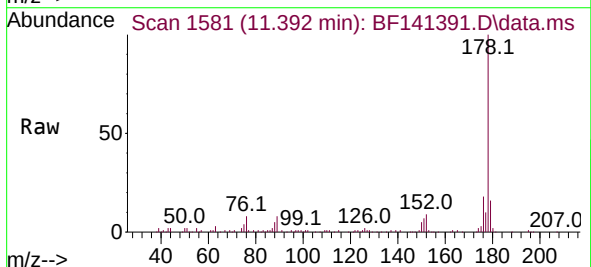
Tgt Ion:178 Resp: 64936

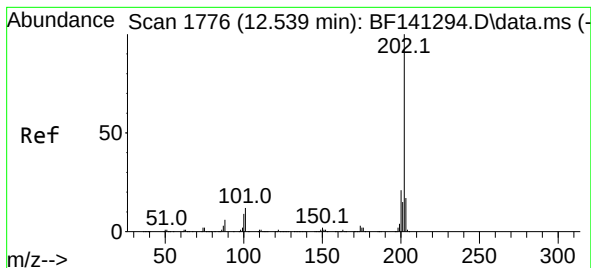
Ion Ratio Lower Upper

178 100

176 18.1 15.0 22.6

179 16.4 12.3 18.5





#75

Fluoranthene

Concen: 39.674 ng

RT: 12.527 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141391.D

Acq: 04 Feb 2025 01:16

Instrument :

BNA_F

ClientSampleId :

JPP-26.2-012825

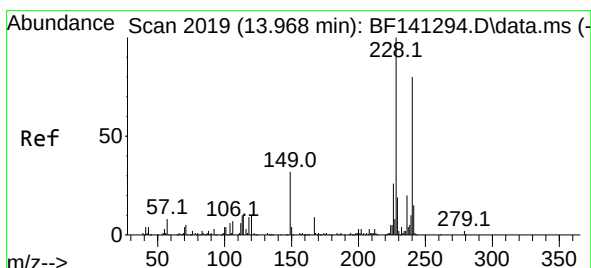
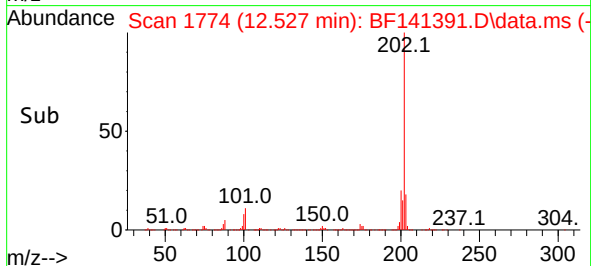
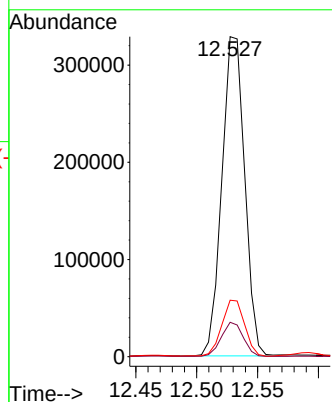
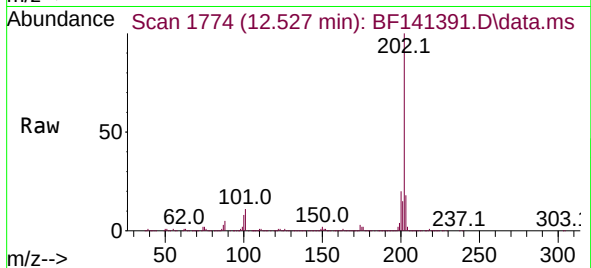
Tgt Ion:202 Resp: 429491

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.7

203 17.7 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 2017

Delta R.T. -0.018 min

Lab File: BF141391.D

Acq: 04 Feb 2025 01:16

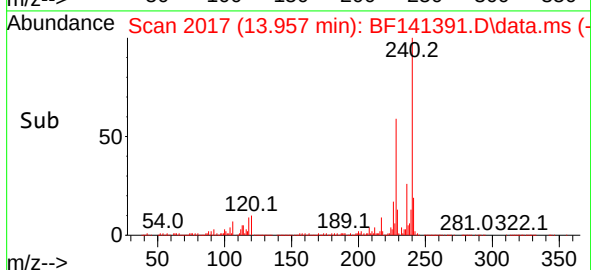
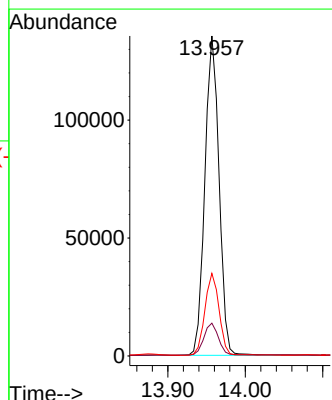
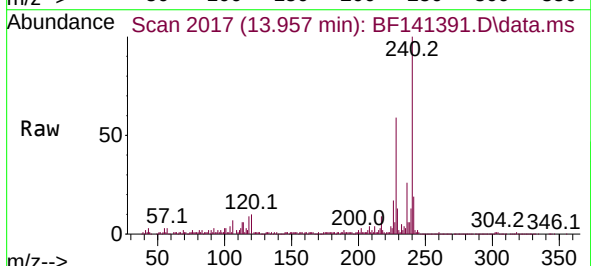
Tgt Ion:240 Resp: 171871

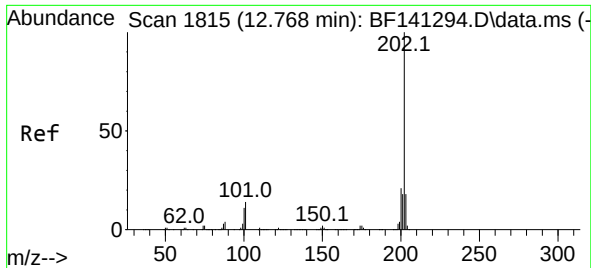
Ion Ratio Lower Upper

240 100

120 10.3 10.0 15.0

236 25.8 19.7 29.5

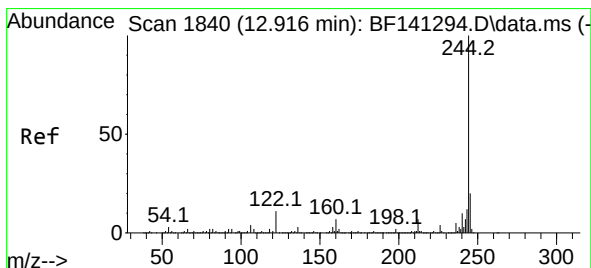
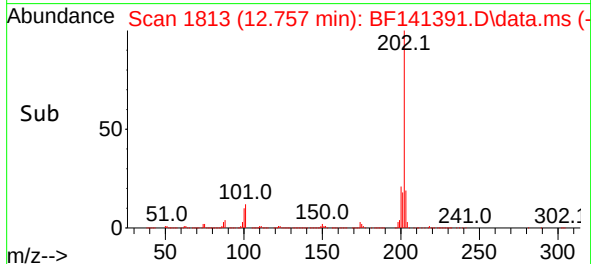
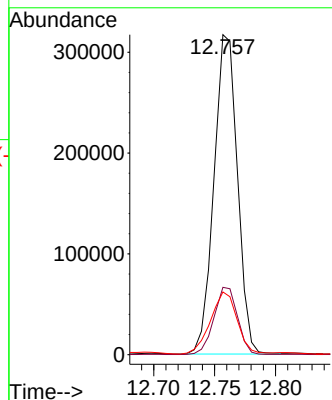
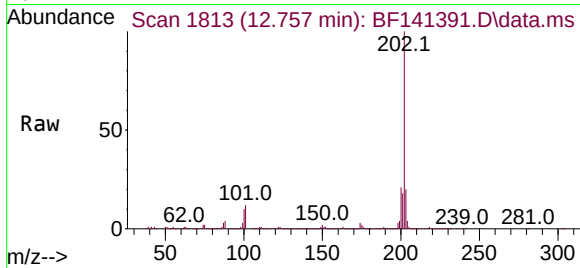




#78
 Pyrene
 Concen: 25.836 ng
 RT: 12.757 min Scan# 1813
 Delta R.T. -0.012 min
 Lab File: BF141391.D
 Acq: 04 Feb 2025 01:16

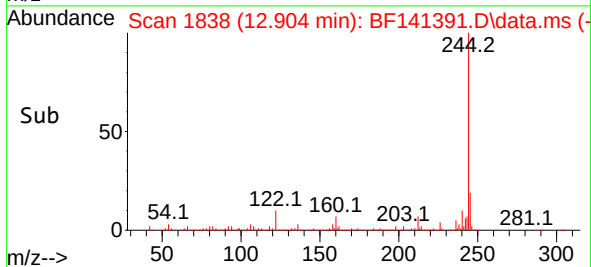
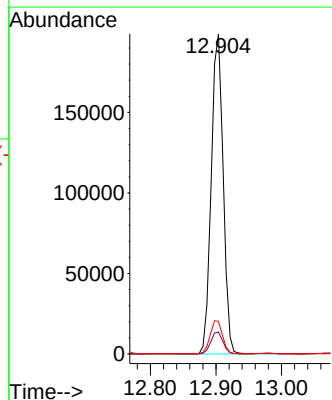
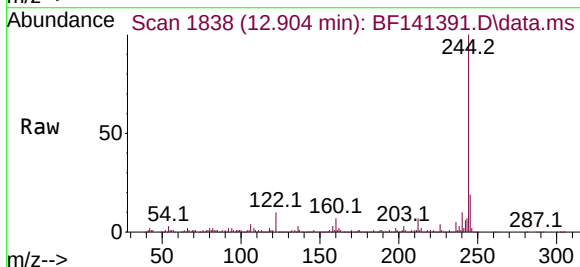
Instrument :
 BNA_F
 ClientSampleId :
 JPP-26.2-012825

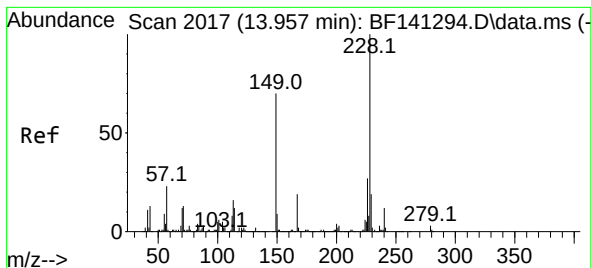
Tgt Ion:202 Resp: 426236
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.0 25.4
 203 19.6 14.3 21.5



#79
 Terphenyl-d14
 Concen: 22.572 ng
 RT: 12.904 min Scan# 1838
 Delta R.T. -0.012 min
 Lab File: BF141391.D
 Acq: 04 Feb 2025 01:16

Tgt Ion:244 Resp: 251554
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 10.2 8.8 13.2





#81

Benzo(a)anthracene

Concen: 16.705 ng

RT: 13.945 min Scan# 2015

Delta R.T. -0.018 min

Lab File: BF141391.D

Acq: 04 Feb 2025 01:16

Instrument :

BNA_F

ClientSampleId :

JPP-26.2-012825

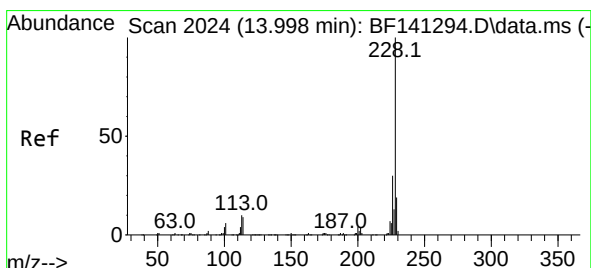
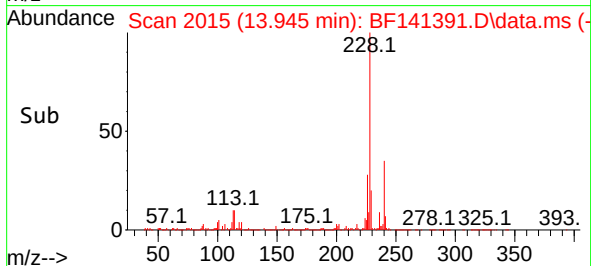
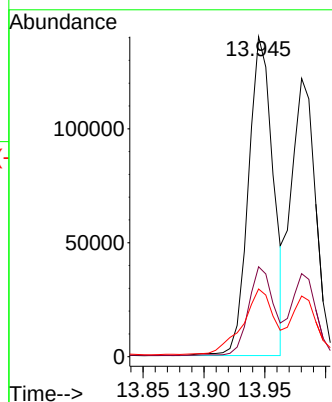
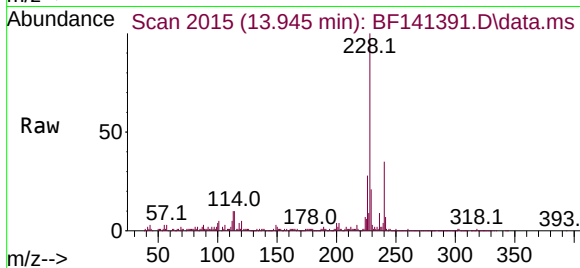
Tgt Ion:228 Resp: 198124

Ion Ratio Lower Upper

228 100

226 28.1 21.4 32.2

229 21.2 15.5 23.3



#83

Chrysene

Concen: 15.521 ng

RT: 13.980 min Scan# 2021

Delta R.T. -0.018 min

Lab File: BF141391.D

Acq: 04 Feb 2025 01:16

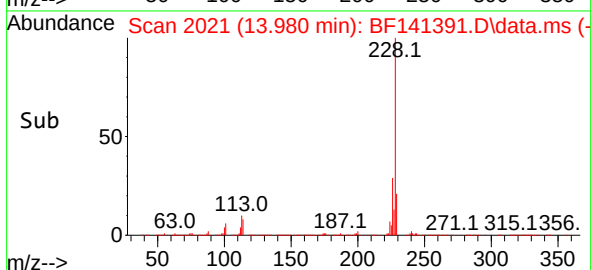
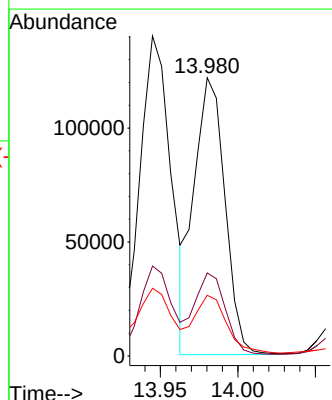
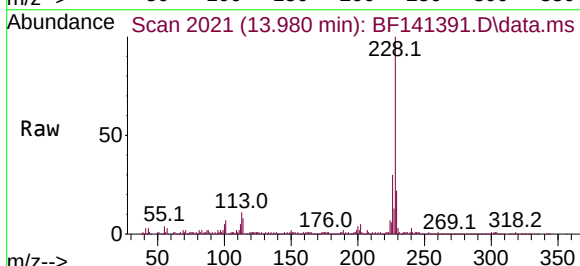
Tgt Ion:228 Resp: 168700

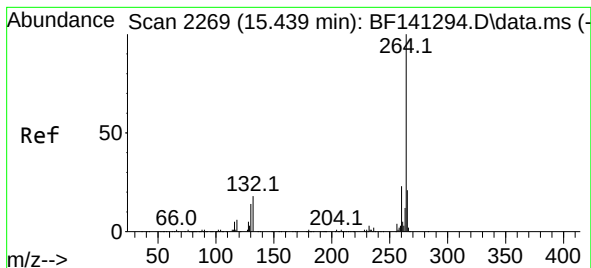
Ion Ratio Lower Upper

228 100

226 29.8 24.1 36.1

229 21.8 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF141391.D

Acq: 04 Feb 2025 01:16

Instrument :

BNA_F

ClientSampleId :

JPP-26.2-012825

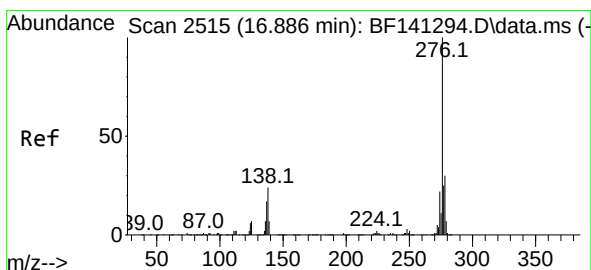
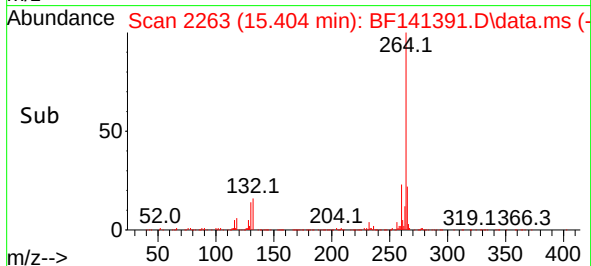
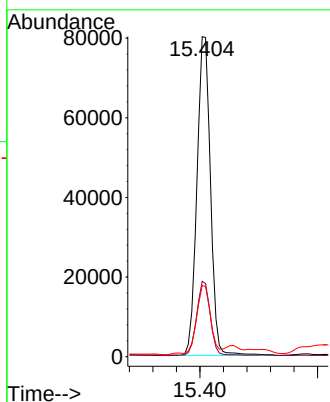
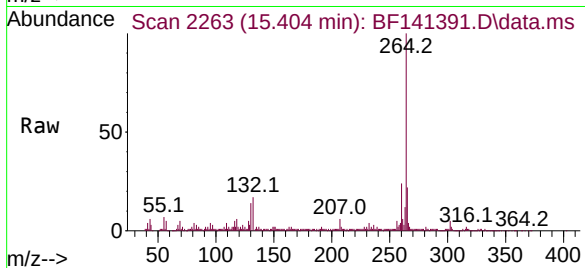
Tgt Ion:264 Resp: 127914

Ion Ratio Lower Upper

264 100

260 23.5 18.6 27.8

265 22.3 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.095 ng

RT: 16.839 min Scan# 2507

Delta R.T. -0.059 min

Lab File: BF141391.D

Acq: 04 Feb 2025 01:16

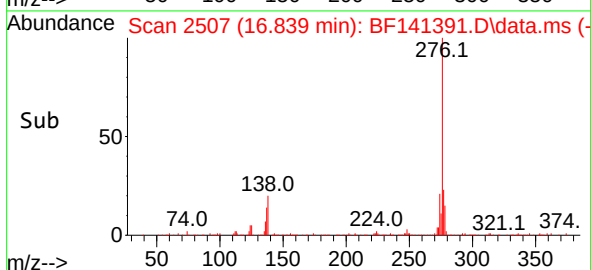
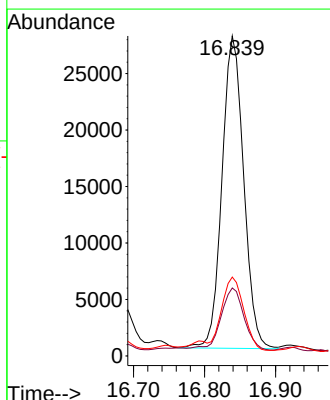
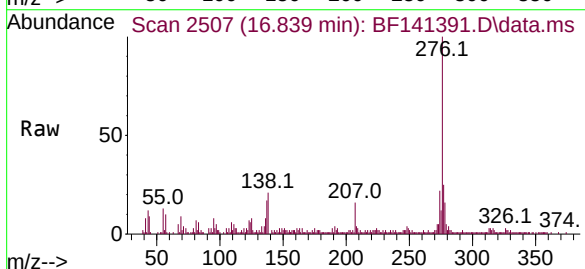
Tgt Ion:276 Resp: 58577

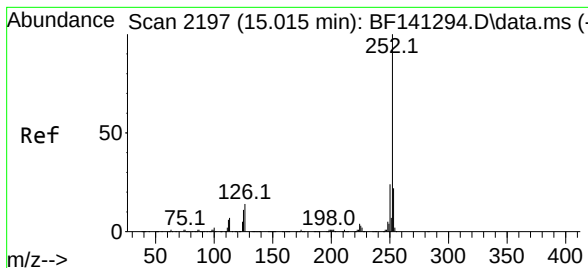
Ion Ratio Lower Upper

276 100

138 22.5 21.7 32.5

277 24.0 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 27.274 ng

RT: 14.986 min Scan# 2192

Delta R.T. -0.035 min

Lab File: BF141391.D

Acq: 04 Feb 2025 01:16

Instrument :

BNA_F

ClientSampleId :

JPP-26.2-012825

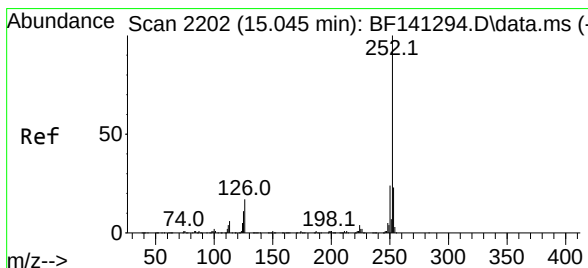
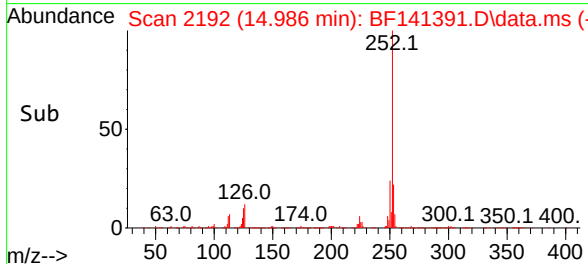
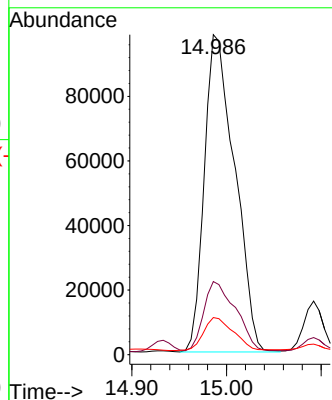
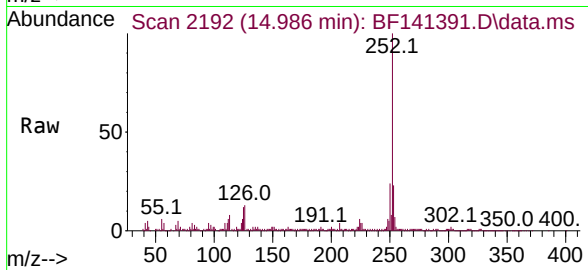
Tgt Ion:252 Resp: 219451

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.2

125 11.6 8.6 12.8



#89

Benzo(k)fluoranthene

Concen: 30.788 ng

RT: 14.986 min Scan# 2192

Delta R.T. -0.065 min

Lab File: BF141391.D

Acq: 04 Feb 2025 01:16

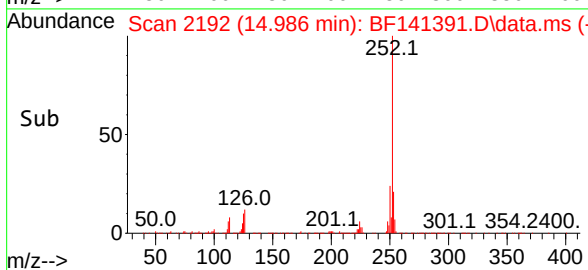
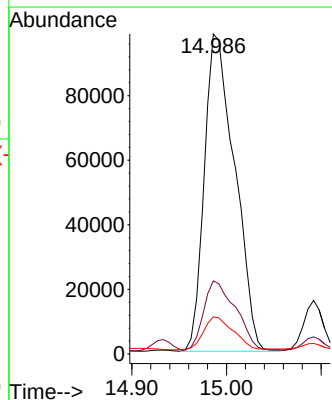
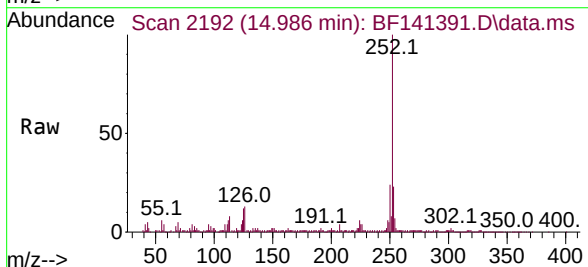
Tgt Ion:252 Resp: 219451

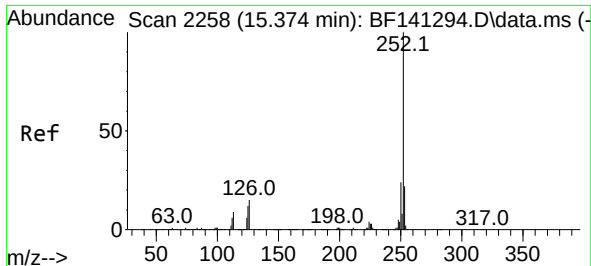
Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

125 11.6 8.4 12.6

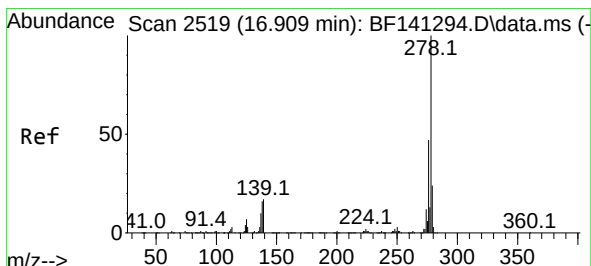
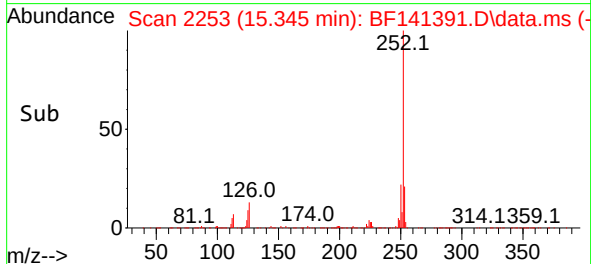
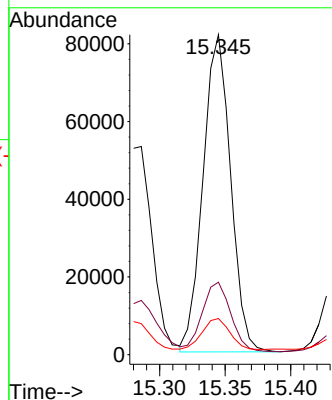
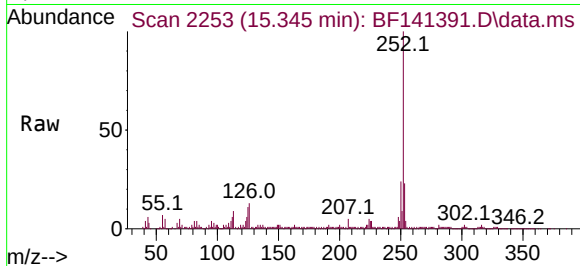




#90
Benzo(a)pyrene
Concen: 17.558 ng
RT: 15.345 min Scan# 211
Delta R.T. -0.035 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

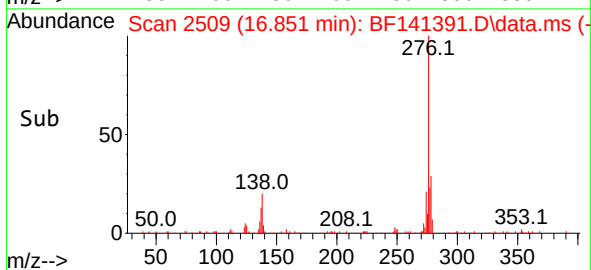
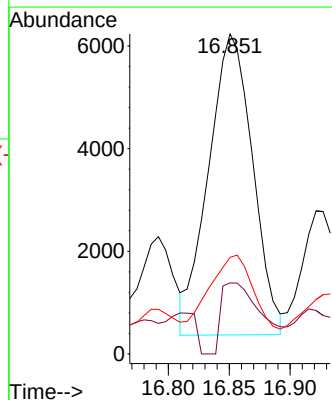
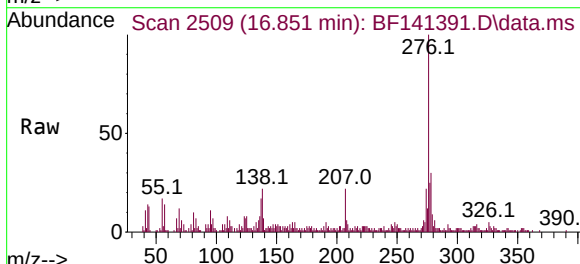
Instrument :
BNA_F
ClientSampleId :
JPP-26.2-012825

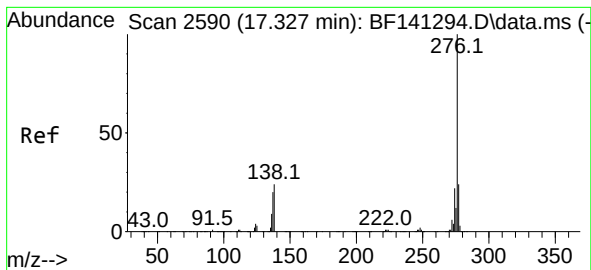
Tgt Ion:252 Resp: 119381
Ion Ratio Lower Upper
252 100
253 22.6 17.2 25.8
125 11.3 9.4 14.2



#91
Dibenzo(a,h)anthracene
Concen: 2.228 ng
RT: 16.851 min Scan# 2509
Delta R.T. -0.071 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

Tgt Ion:278 Resp: 14802
Ion Ratio Lower Upper
278 100
139 22.2 13.9 20.9#
279 30.2 18.8 28.2#





#92

Benzo(g,h,i)perylene

Concen: 8.330 ng

RT: 17.274 min Scan# 21

Delta R.T. -0.071 min

Lab File: BF141391.D

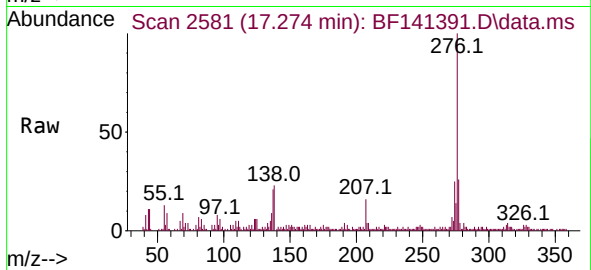
Acq: 04 Feb 2025 01:16

Instrument :

BNA_F

ClientSampleId :

JPP-26.2-012825



Tgt Ion:276 Resp: 57534

Ion Ratio Lower Upper

276 100

277 26.0 19.2 28.8

138 23.4 19.0 28.4

