

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141529.D
 Acq On : 08 Feb 2025 00:47
 Operator : RC/JU
 Sample : Q1235-03 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-51.2-012925

Quant Time: Feb 08 01:27:45 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)

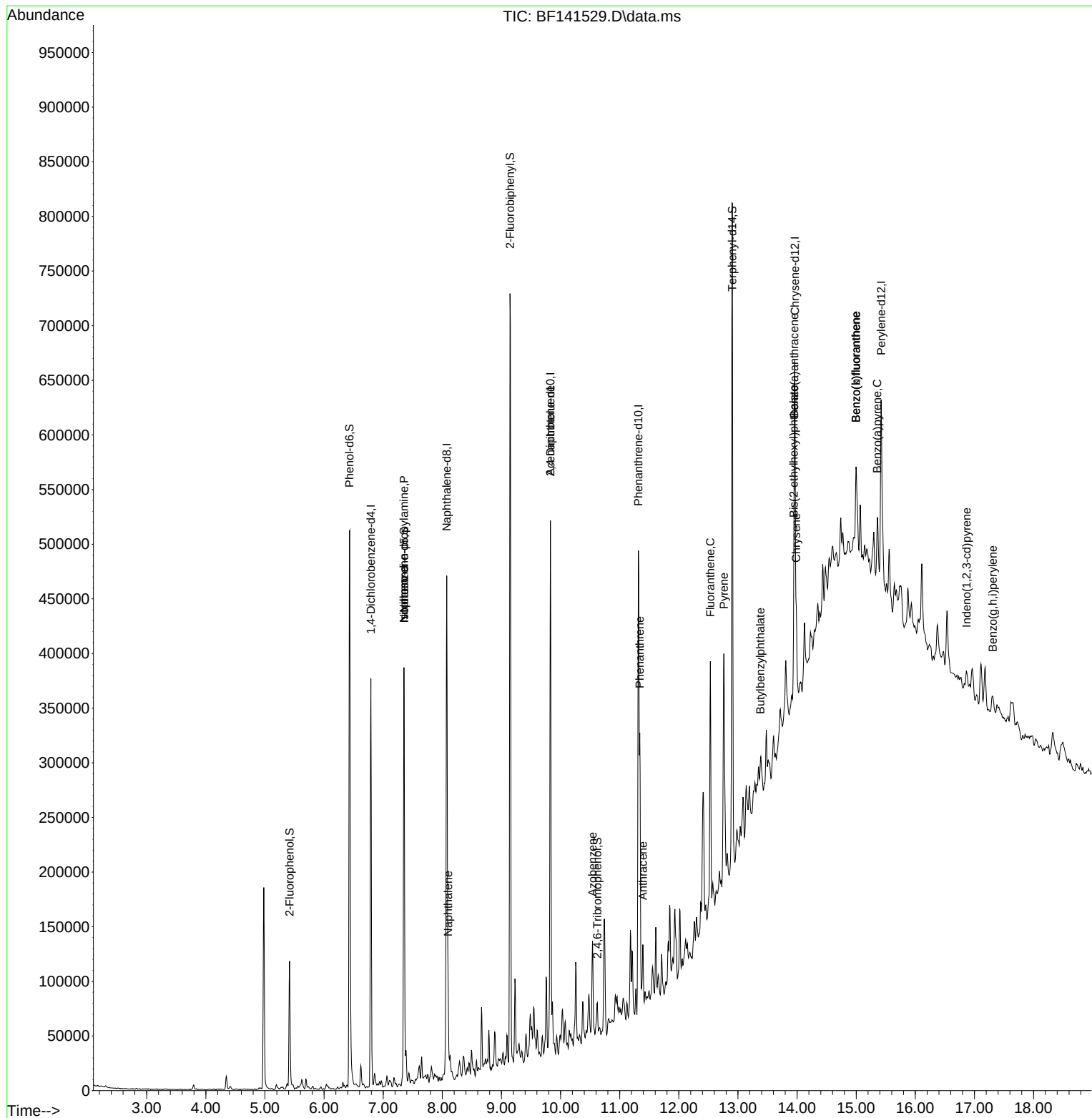
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	74004	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	282155	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	139032	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	214327	20.000	ng	0.00
76) Chrysene-d12	13.963	240	125100	20.000	ng	0.00
86) Perylene-d12	15.421	264	97428	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	46462	9.843	ng	0.00
7) Phenol-d6	6.428	99	238371	39.953	ng	-0.01
23) Nitrobenzene-d5	7.351	82	163063	30.143	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	3490	2.499	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	310077	34.360	ng	0.00
79) Terphenyl-d14	12.904	244	282540	38.128	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	23465	6.575	ng	# 77
25) Isophorone	7.351	82	156072	18.094	ng	# 66
31) Naphthalene	8.098	128	45734	3.114	ng	98
57) 2,4-Dinitrotoluene	9.828	165	18441	6.714	ng	# 19
63) Azobenzene	10.539	77	19549	2.118	ng	# 1
71) Phenanthrene	11.339	178	130102	11.028	ng	99
72) Anthracene	11.392	178	35837	3.022	ng	98
75) Fluoranthene	12.533	202	131404	10.506	ng	100
78) Pyrene	12.763	202	124888	11.727	ng	98
80) Butylbenzylphthalate	13.380	149	9021	2.446	ng	90
81) Benzo(a)anthracene	13.951	228	50640	6.090	ng	# 91
83) Chrysene	13.986	228	42089	5.481	ng	# 91
84) Bis(2-ethylhexyl)phtha...	13.945	149	10071	2.421	ng	# 88
87) Indeno(1,2,3-cd)pyrene	16.868	276	14925	2.479	ng	94
88) Benzo(b)fluoranthene	14.998	252	54343	8.307	ng	# 78
89) Benzo(k)fluoranthene	14.998	252	54343	9.728	ng	# 79
90) Benzo(a)pyrene	15.357	252	30235	5.712	ng	# 76
92) Benzo(g,h,i)perylene	17.309	276	17394	3.408	ng	# 84

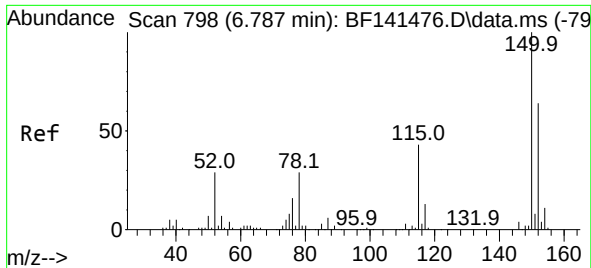
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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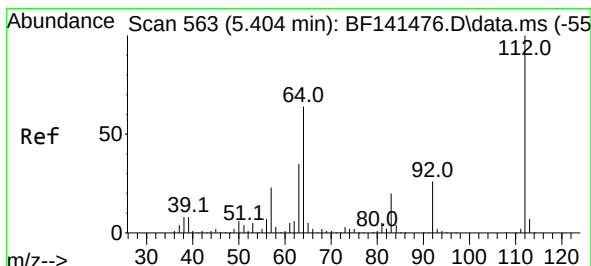
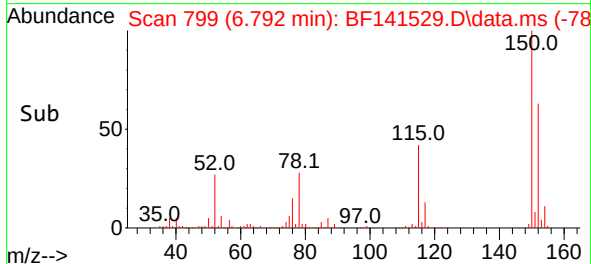
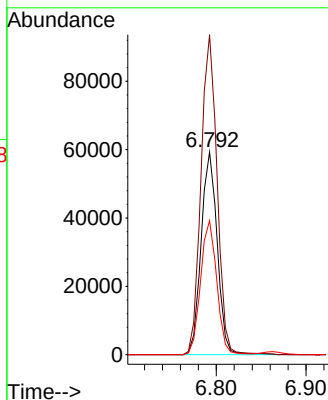
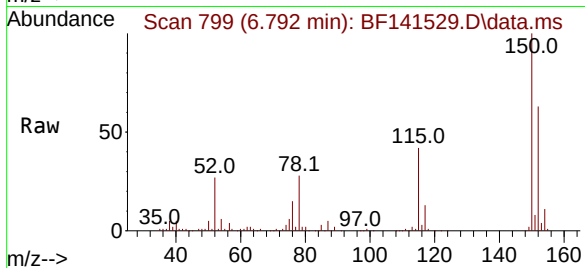




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: BF141529.D
 Acq: 08 Feb 2025 00:47

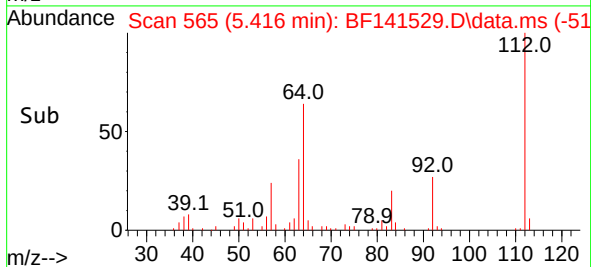
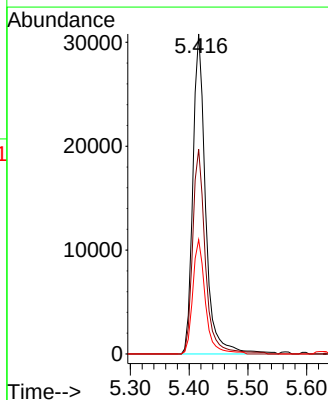
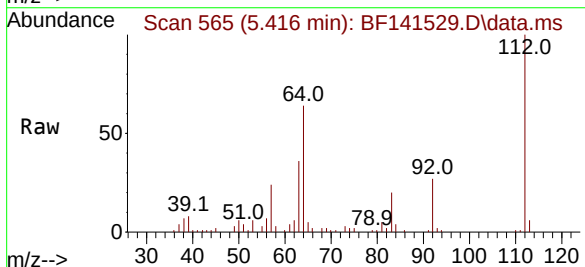
Instrument :
 BNA_F
 ClientSampleId :
 JPP-51.2-012925

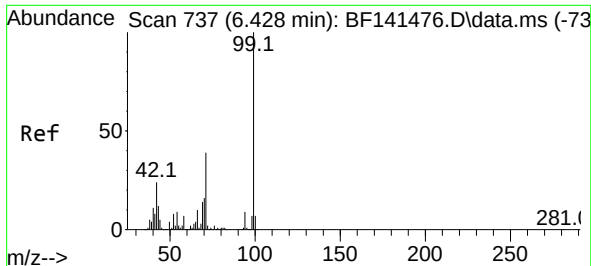
Tgt Ion:152 Resp: 74004
 Ion Ratio Lower Upper
 152 100
 150 157.8 125.0 187.4
 115 66.1 53.6 80.4



#5
 2-Fluorophenol
 Concen: 9.843 ng
 RT: 5.416 min Scan# 565
 Delta R.T. 0.006 min
 Lab File: BF141529.D
 Acq: 08 Feb 2025 00:47

Tgt Ion:112 Resp: 46462
 Ion Ratio Lower Upper
 112 100
 64 63.9 51.1 76.7
 63 35.7 28.4 42.6

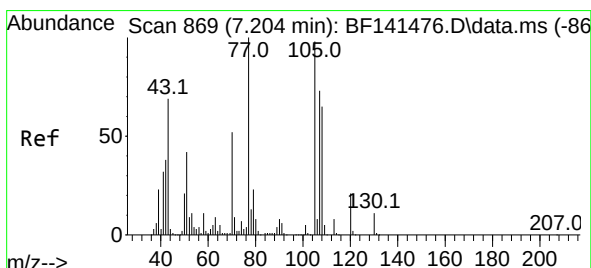
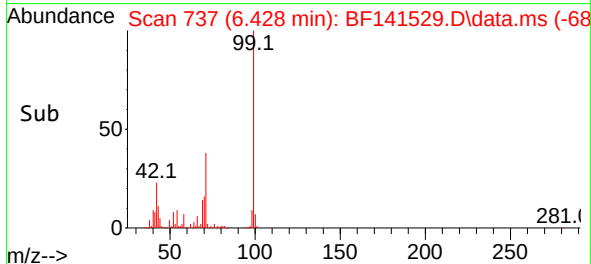
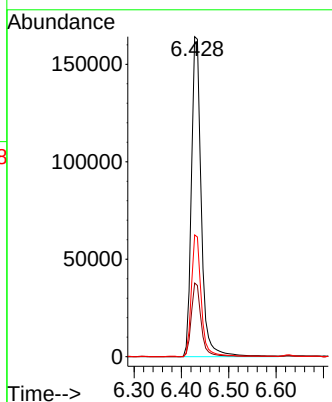
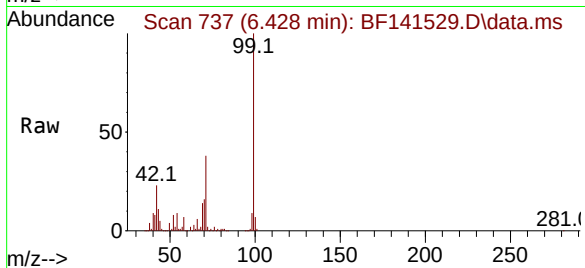




#7
Phenol-d6
Concen: 39.953 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141529.D
Acq: 08 Feb 2025 00:47

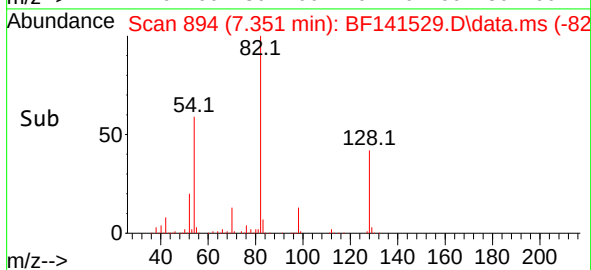
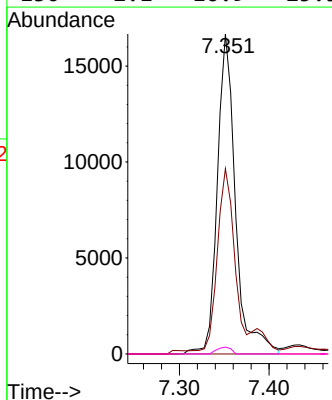
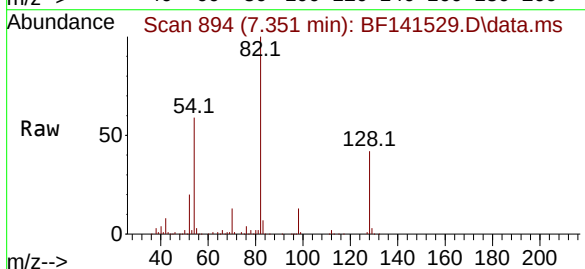
Instrument :
BNA_F
ClientSampleId :
JPP-51.2-012925

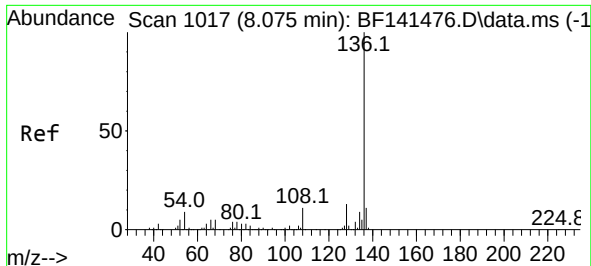
Tgt Ion: 99 Resp: 238371
Ion Ratio Lower Upper
99 100
42 23.0 19.1 28.7
71 38.1 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 6.575 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF141529.D
Acq: 08 Feb 2025 00:47

Tgt Ion: 70 Resp: 23465
Ion Ratio Lower Upper
70 100
42 57.9 57.4 86.2
101 0.0 8.0 12.0#
130 2.1 16.9 25.3#

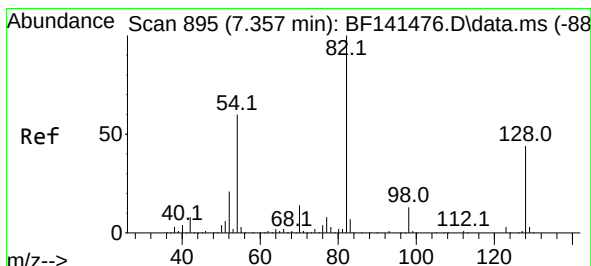
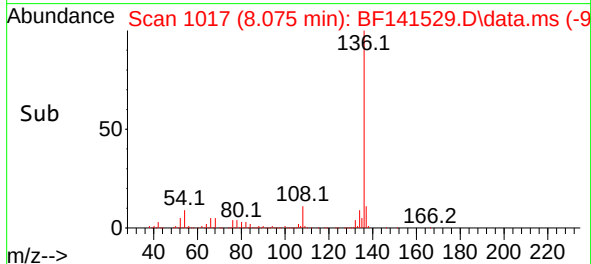
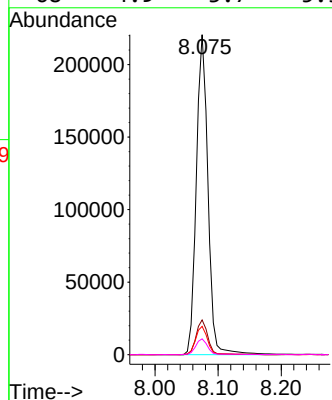
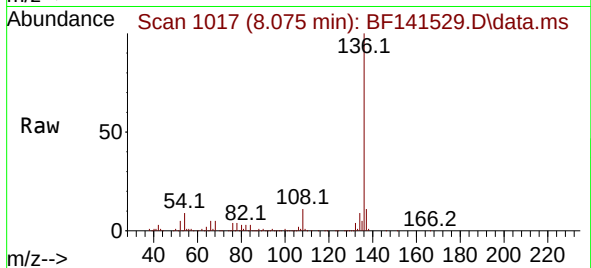




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141529.D
Acq: 08 Feb 2025 00:47

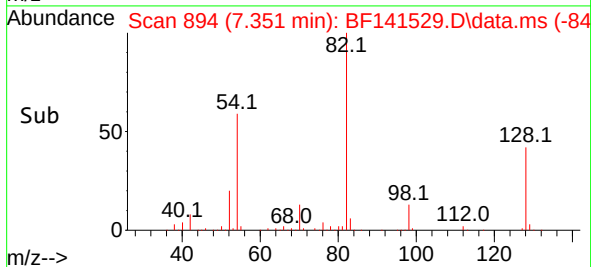
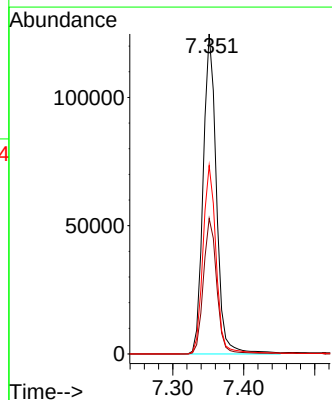
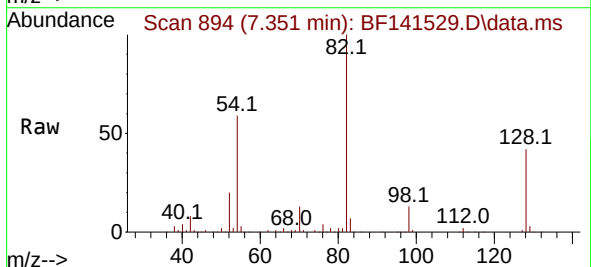
Instrument :
BNA_F
ClientSampleId :
JPP-51.2-012925

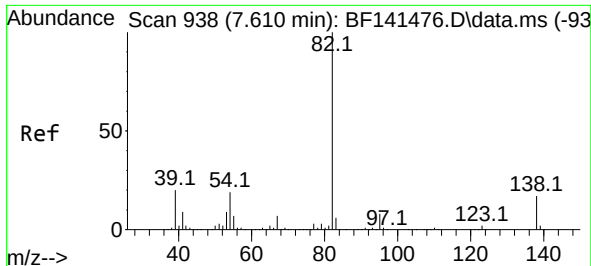
Tgt Ion:	136	Resp:	282155
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.8	7.2	10.8
68	4.9	3.7	5.5



#23
Nitrobenzene-d5
Concen: 30.143 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF141529.D
Acq: 08 Feb 2025 00:47

Tgt Ion:	82	Resp:	163063
Ion	Ratio	Lower	Upper
82	100		
128	42.4	34.8	52.2
54	58.9	48.2	72.4

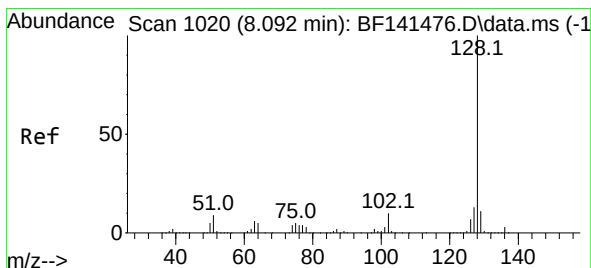
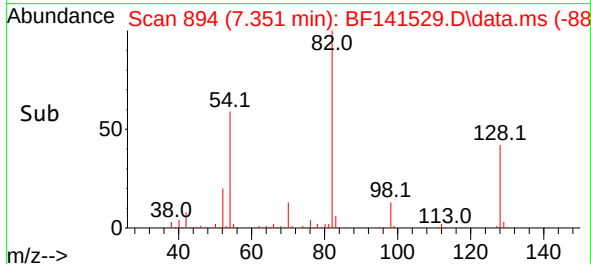
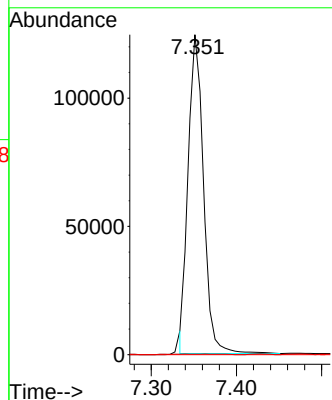
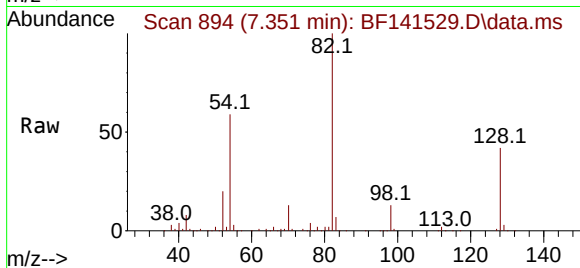




#25
Isophorone
Concen: 18.094 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF141529.D
Acq: 08 Feb 2025 00:47

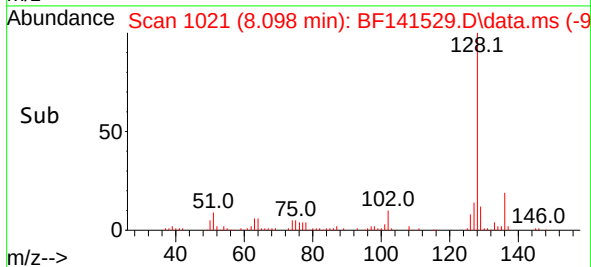
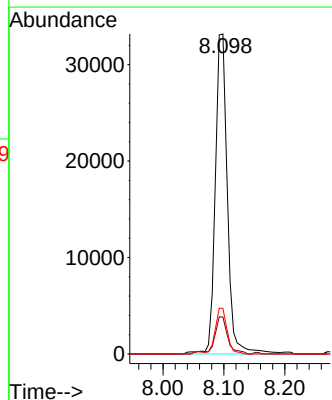
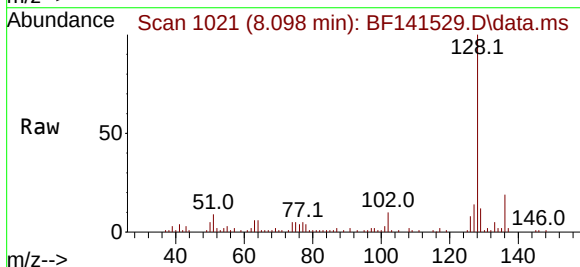
Instrument :
BNA_F
ClientSampleId :
JPP-51.2-012925

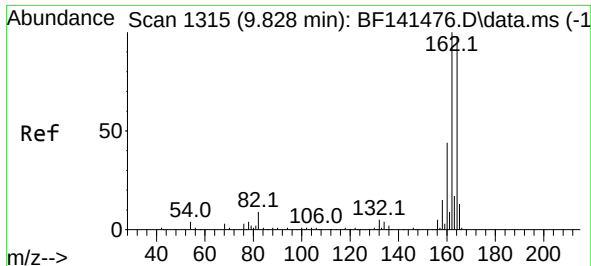
Tgt Ion: 82 Resp: 156072
Ion Ratio Lower Upper
82 100
95 0.2 6.4 9.6#
138 0.0 13.9 20.9#



#31
Naphthalene
Concen: 3.114 ng
RT: 8.098 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BF141529.D
Acq: 08 Feb 2025 00:47

Tgt Ion: 128 Resp: 45734
Ion Ratio Lower Upper
128 100
129 11.6 8.9 13.3
127 14.3 10.7 16.1

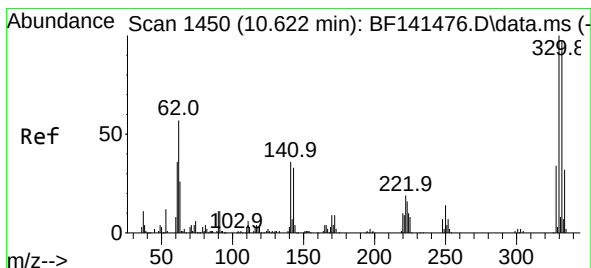
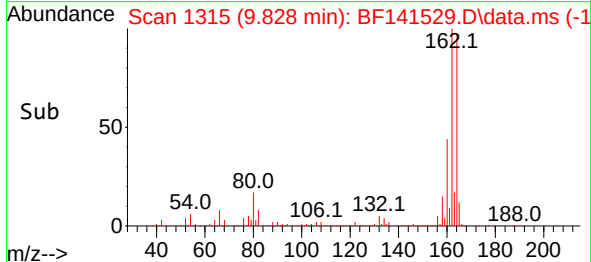
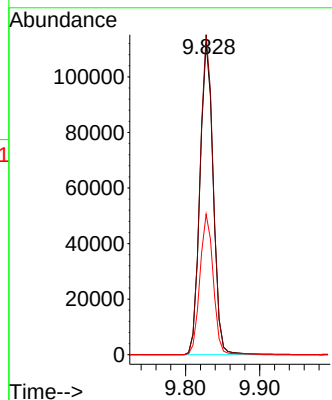
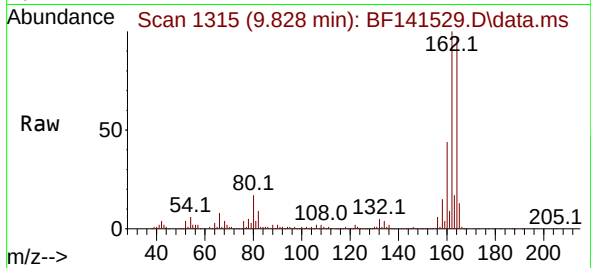




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141529.D
Acq: 08 Feb 2025 00:47

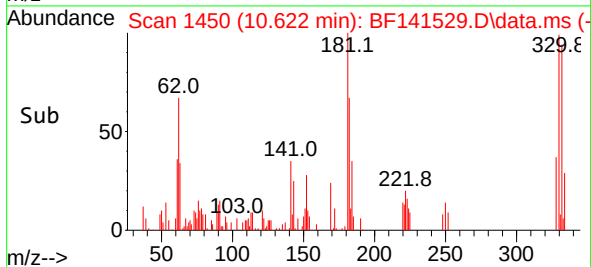
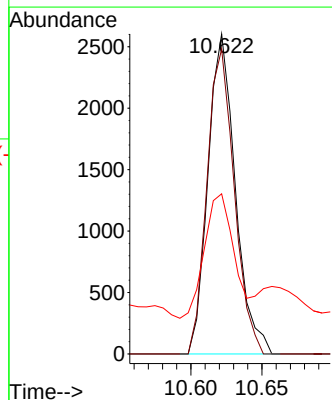
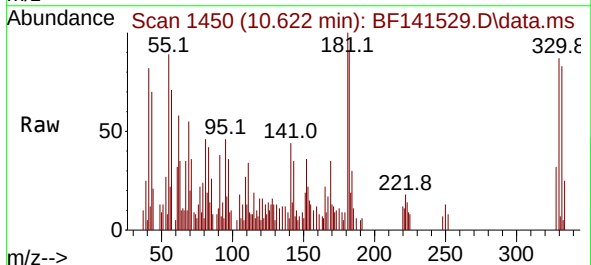
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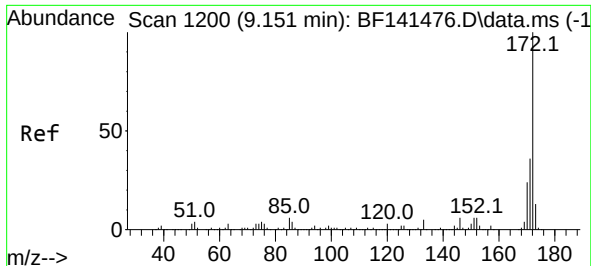
Tgt Ion:164 Resp: 139032
Ion Ratio Lower Upper
164 100
162 102.6 81.3 121.9
160 45.0 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 2.499 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141529.D
Acq: 08 Feb 2025 00:47

Tgt Ion:330 Resp: 3490
Ion Ratio Lower Upper
330 100
332 95.0 78.5 117.7
141 43.0 31.0 46.4

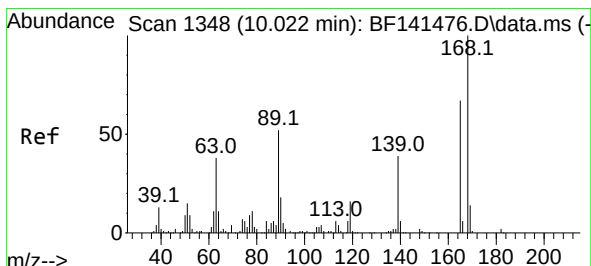
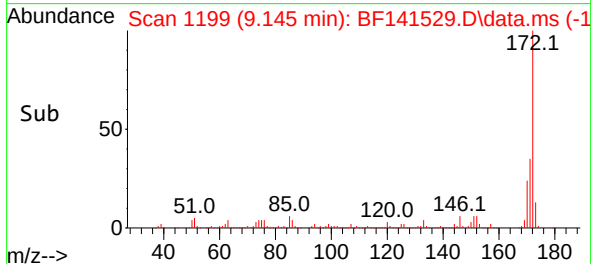
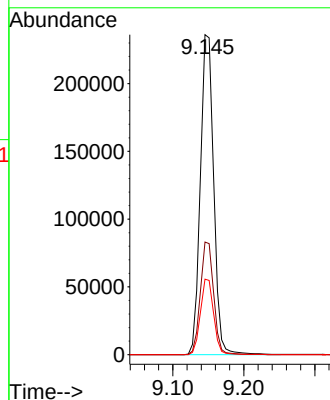
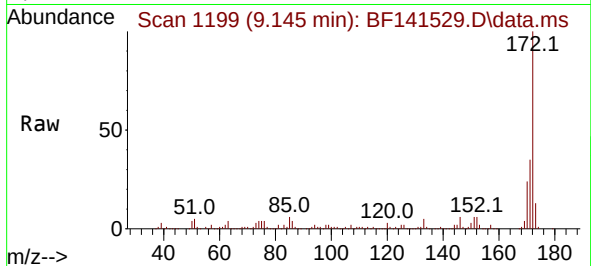




#45
2-Fluorobiphenyl
Concen: 34.360 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141529.D
Acq: 08 Feb 2025 00:47

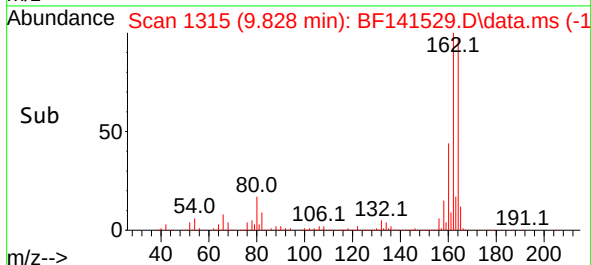
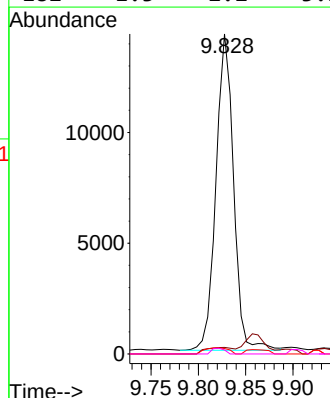
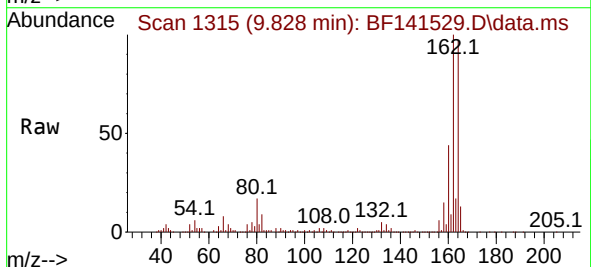
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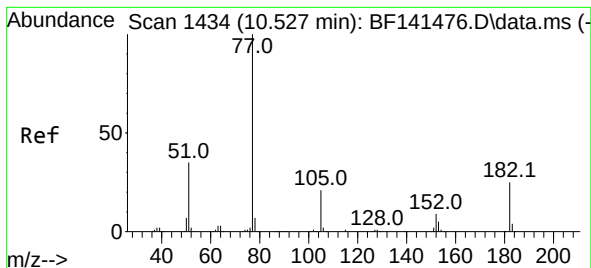
Tgt Ion:172 Resp: 310077
Ion Ratio Lower Upper
172 100
171 35.2 28.7 43.1
170 23.6 18.9 28.3



#57
2,4-Dinitrotoluene
Concen: 6.714 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.200 min
Lab File: BF141529.D
Acq: 08 Feb 2025 00:47

Tgt Ion:165 Resp: 18441
Ion Ratio Lower Upper
165 100
63 2.1 46.4 69.6#
89 1.7 61.8 92.6#
182 1.3 2.2 3.2#





#63

Azobenzene

Concen: 2.118 ng

RT: 10.539 min Scan# 1434

Delta R.T. 0.006 min

Lab File: BF141529.D

Acq: 08 Feb 2025 00:47

Instrument :

BNA_F

ClientSampleId :

JPP-51.2-012925

Tgt Ion: 77 Resp: 19549

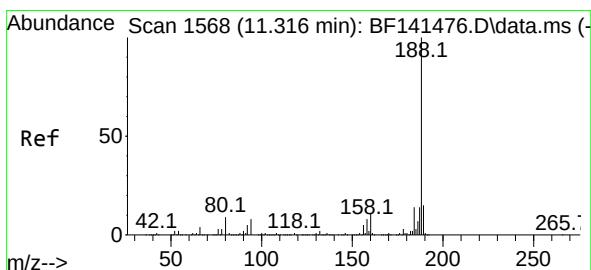
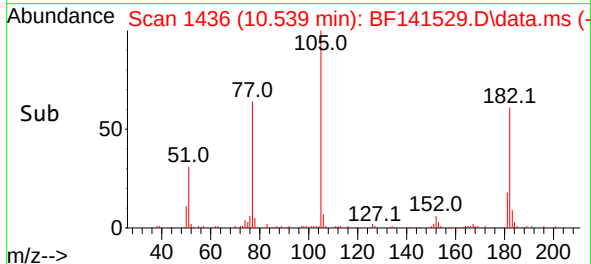
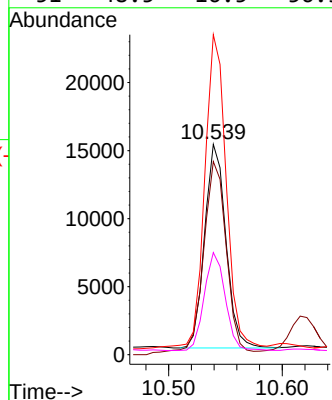
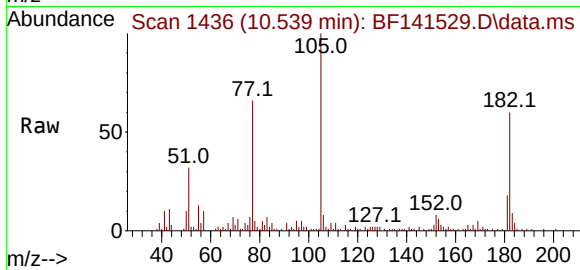
Ion Ratio Lower Upper

77 100

182 91.8 4.7 44.7#

105 152.1 0.4 40.4#

51 48.5 16.5 56.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1568

Delta R.T. 0.000 min

Lab File: BF141529.D

Acq: 08 Feb 2025 00:47

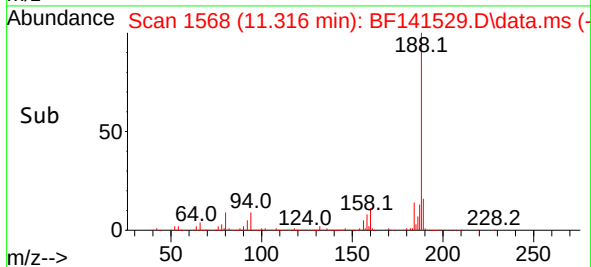
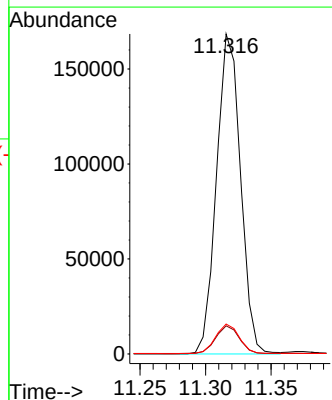
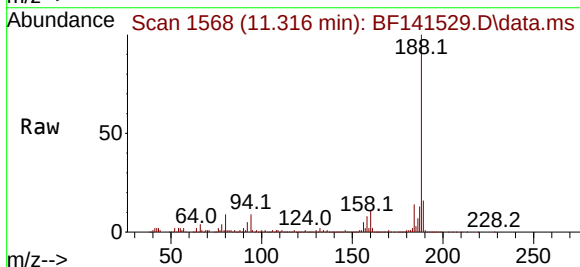
Tgt Ion: 188 Resp: 214327

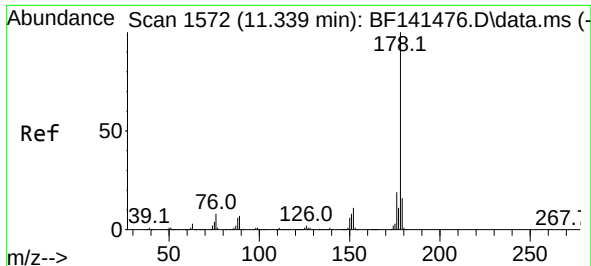
Ion Ratio Lower Upper

188 100

94 8.8 6.6 10.0

80 9.4 7.3 10.9

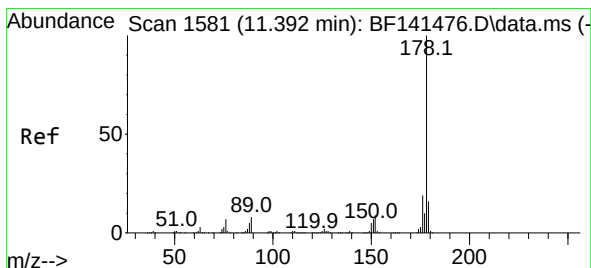
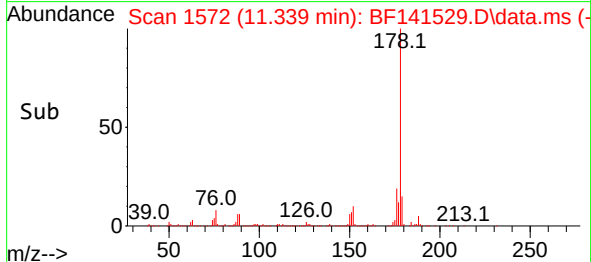
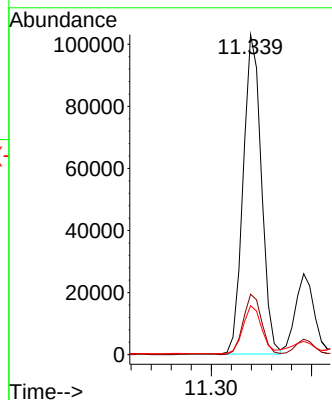
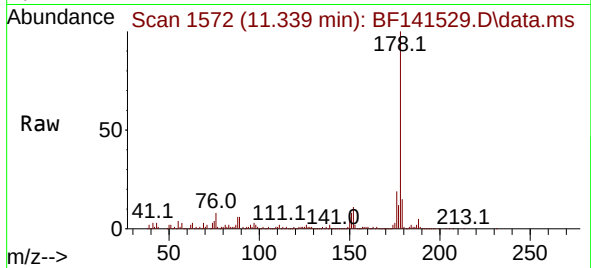




#71
Phenanthrene
Concen: 11.028 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141529.D
Acq: 08 Feb 2025 00:47

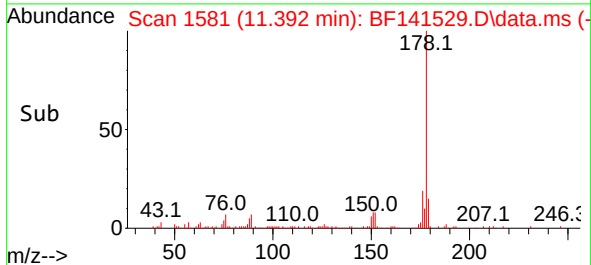
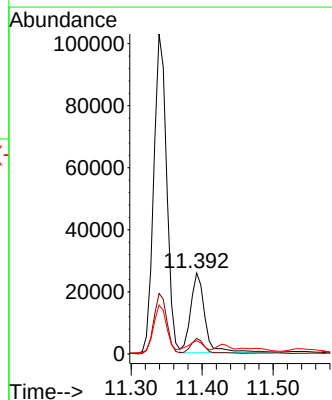
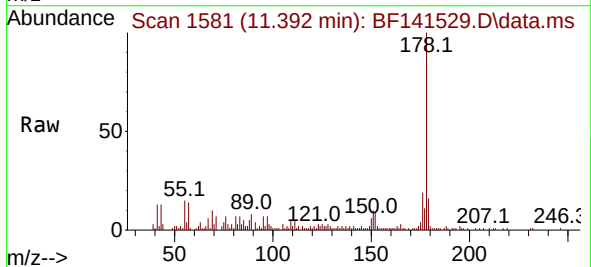
Instrument :
BNA_F
ClientSampleId :
JPP-51.2-012925

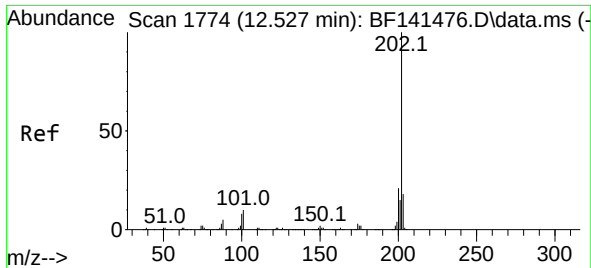
Tgt Ion:178 Resp: 130102
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.3 12.4 18.6



#72
Anthracene
Concen: 3.022 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141529.D
Acq: 08 Feb 2025 00:47

Tgt Ion:178 Resp: 35837
Ion Ratio Lower Upper
178 100
176 19.2 14.8 22.2
179 16.4 12.4 18.6

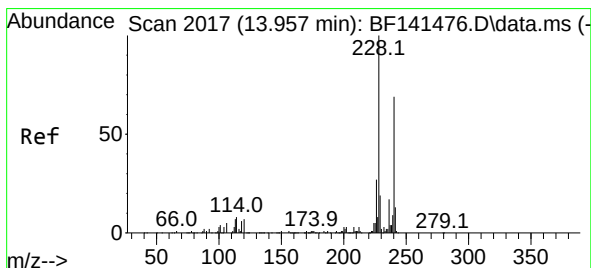
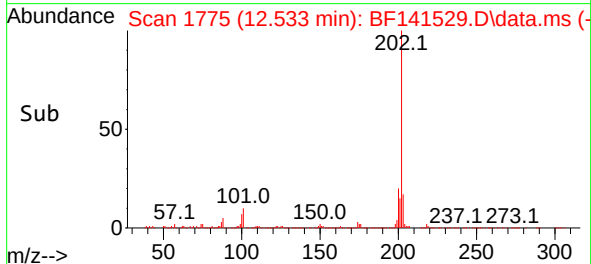
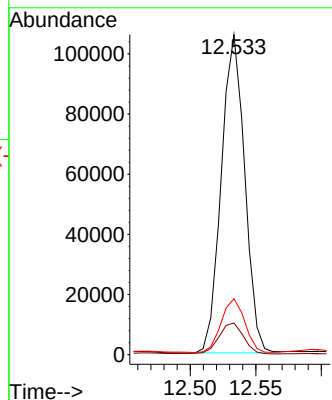
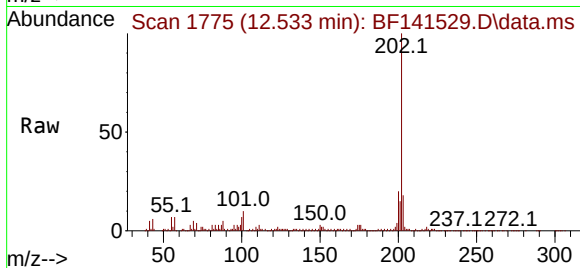




#75
Fluoranthene
Concen: 10.506 ng
RT: 12.533 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141529.D
Acq: 08 Feb 2025 00:47

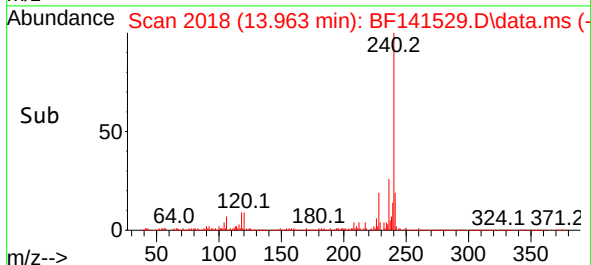
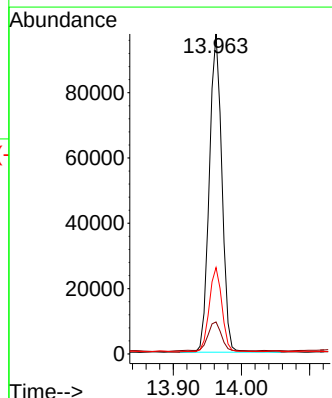
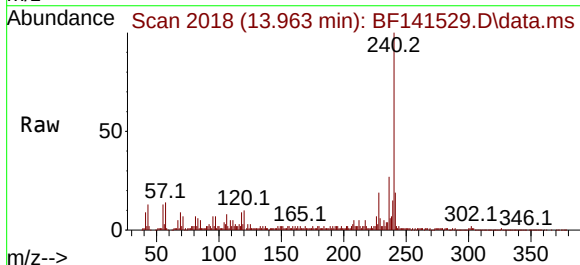
Instrument :
BNA_F
ClientSampleId :
JPP-51.2-012925

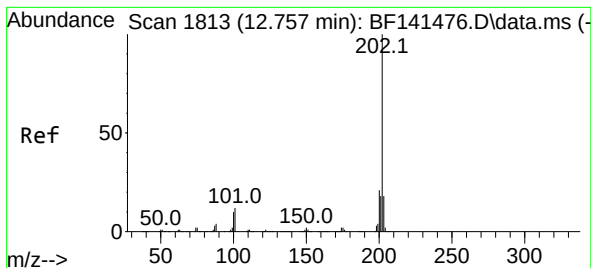
Tgt Ion:202 Resp: 131404
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.2
203 17.5 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141529.D
Acq: 08 Feb 2025 00:47

Tgt Ion:240 Resp: 125100
Ion Ratio Lower Upper
240 100
120 10.0 8.0 12.0
236 27.0 19.8 29.8





#78

Pyrene

Concen: 11.727 ng

RT: 12.763 min Scan# 1814

Delta R.T. 0.000 min

Lab File: BF141529.D

Acq: 08 Feb 2025 00:47

Instrument :

BNA_F

ClientSampleId :

JPP-51.2-012925

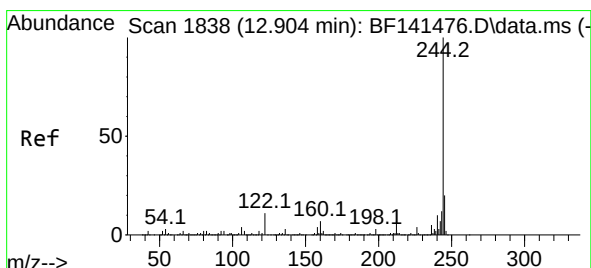
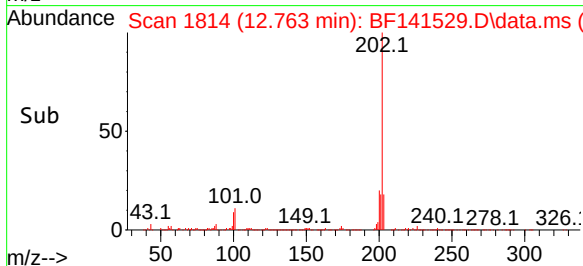
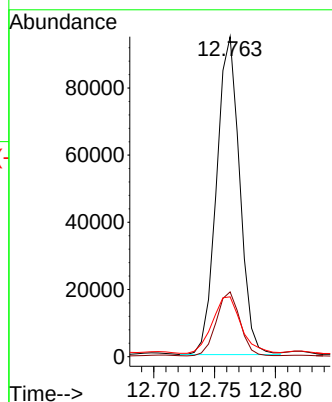
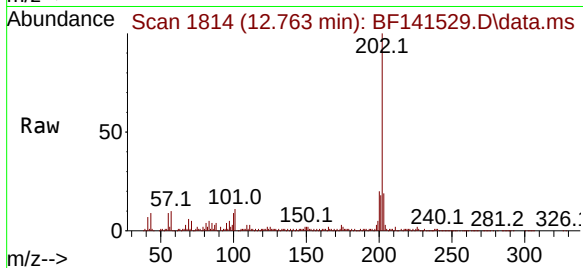
Tgt Ion:202 Resp: 124888

Ion Ratio Lower Upper

202 100

200 20.3 17.0 25.4

203 18.7 14.3 21.5



#79

Terphenyl-d14

Concen: 38.128 ng

RT: 12.904 min Scan# 1838

Delta R.T. 0.000 min

Lab File: BF141529.D

Acq: 08 Feb 2025 00:47

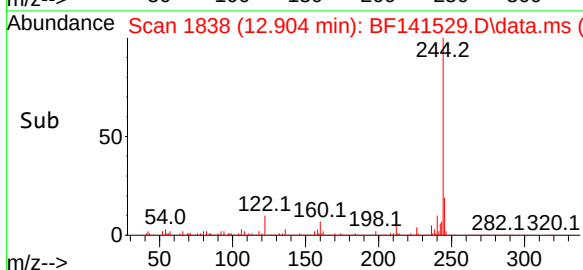
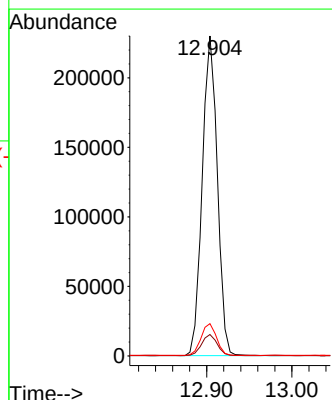
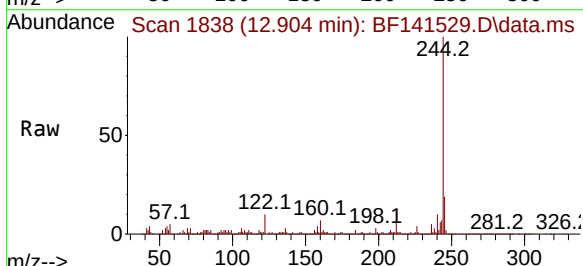
Tgt Ion:244 Resp: 282540

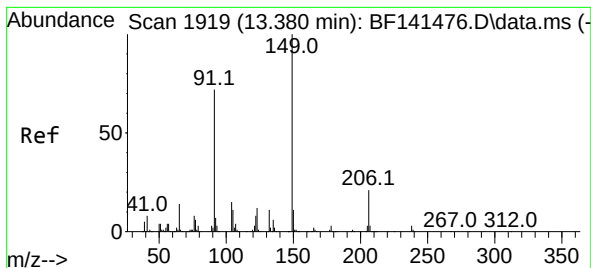
Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 10.1 8.4 12.6





#80

Butylbenzylphthalate

Concen: 2.446 ng

RT: 13.380 min Scan# 1919

Delta R.T. 0.000 min

Lab File: BF141529.D

Acq: 08 Feb 2025 00:47

Instrument :

BNA_F

ClientSampleId :

JPP-51.2-012925

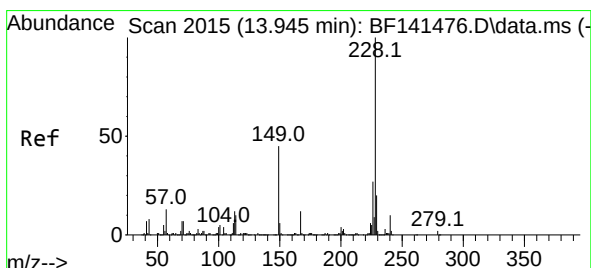
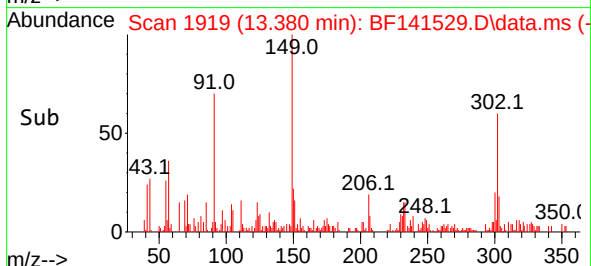
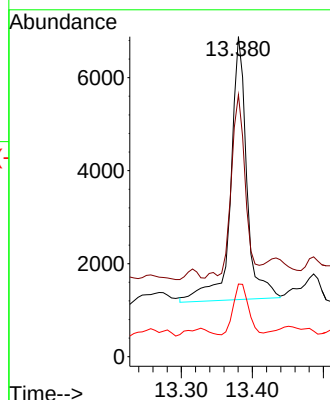
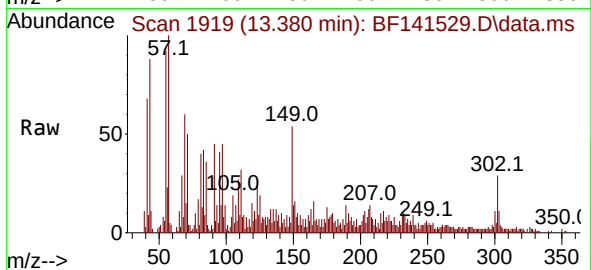
Tgt Ion:149 Resp: 9021

Ion Ratio Lower Upper

149 100

91 81.9 57.8 86.8

206 22.7 16.7 25.1



#81

Benzo(a)anthracene

Concen: 6.090 ng

RT: 13.951 min Scan# 2016

Delta R.T. 0.000 min

Lab File: BF141529.D

Acq: 08 Feb 2025 00:47

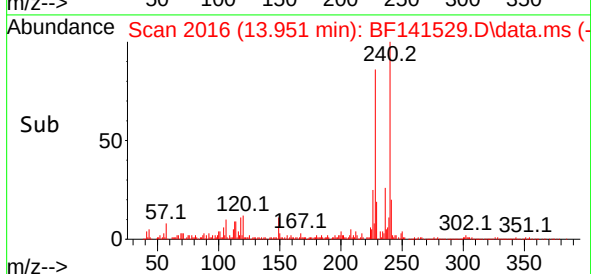
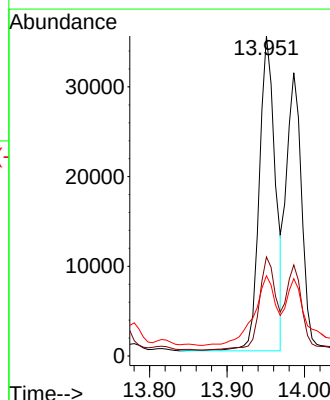
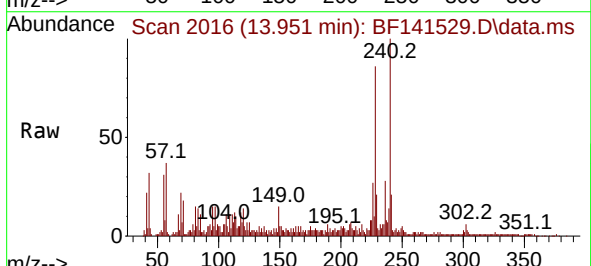
Tgt Ion:228 Resp: 50640

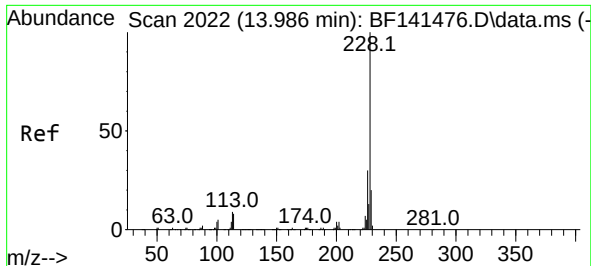
Ion Ratio Lower Upper

228 100

226 30.9 21.8 32.8

229 25.1 15.8 23.6#

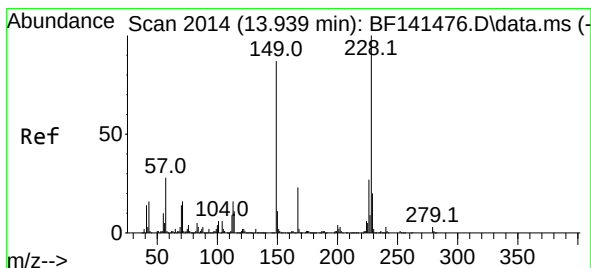
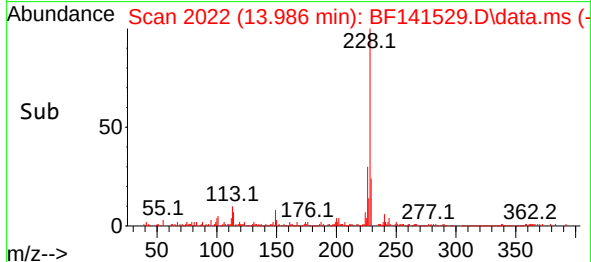
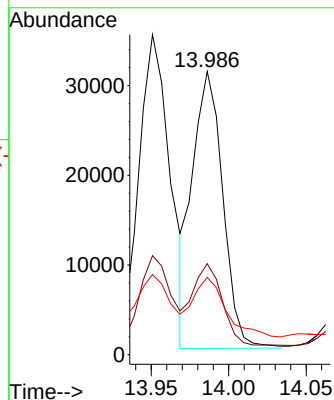
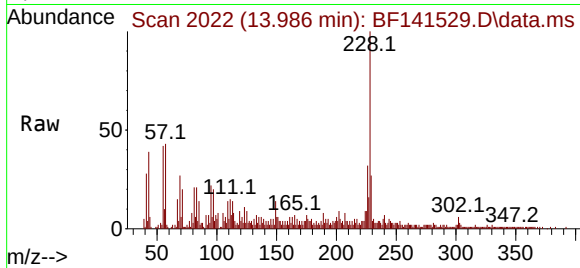




#83
Chrysene
Concen: 5.481 ng
RT: 13.986 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF141529.D
Acq: 08 Feb 2025 00:47

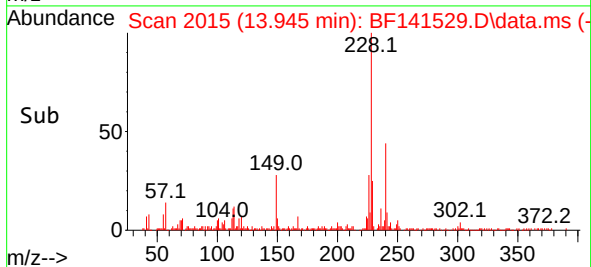
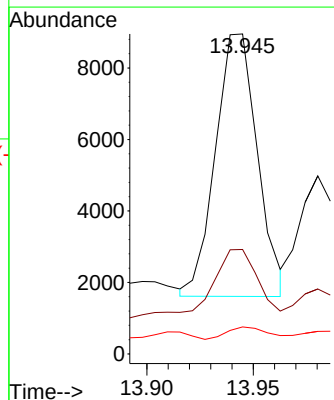
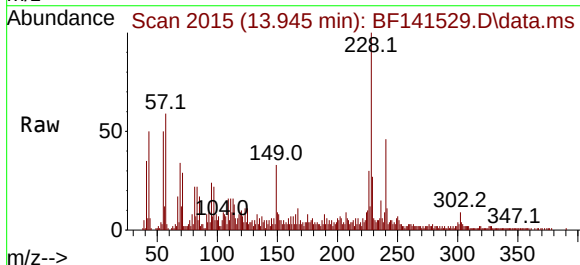
Instrument :
BNA_F
ClientSampleId :
JPP-51.2-012925

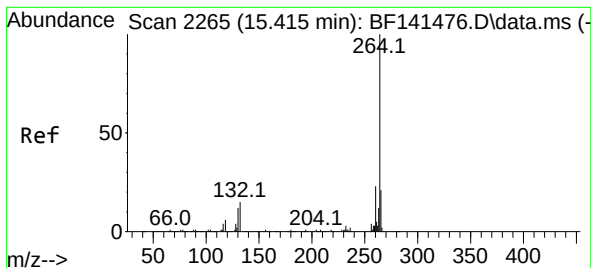
Tgt Ion:228 Resp: 42089
Ion Ratio Lower Upper
228 100
226 32.1 24.0 36.0
229 27.3 15.7 23.5#



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.421 ng
RT: 13.945 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF141529.D
Acq: 08 Feb 2025 00:47

Tgt Ion:149 Resp: 10071
Ion Ratio Lower Upper
149 100
167 32.6 21.4 32.0#
279 8.5 3.1 4.7#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF141529.D

Acq: 08 Feb 2025 00:47

Instrument :

BNA_F

ClientSampleId :

JPP-51.2-012925

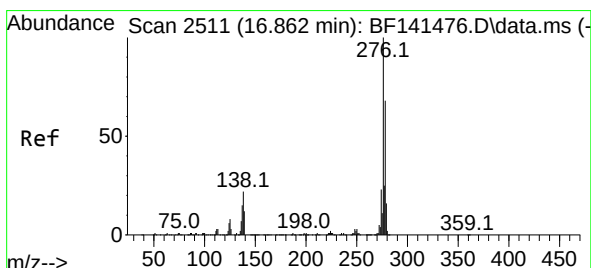
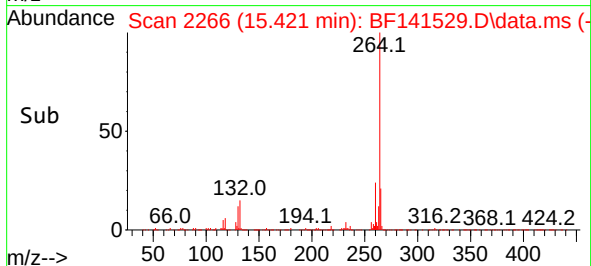
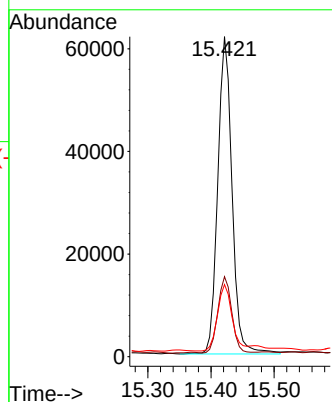
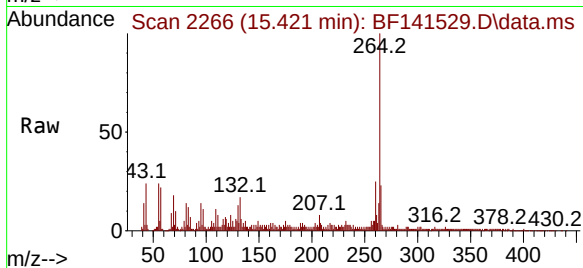
Tgt Ion:264 Resp: 97428

Ion Ratio Lower Upper

264 100

260 25.0 18.6 28.0

265 22.6 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.479 ng

RT: 16.868 min Scan# 2512

Delta R.T. -0.006 min

Lab File: BF141529.D

Acq: 08 Feb 2025 00:47

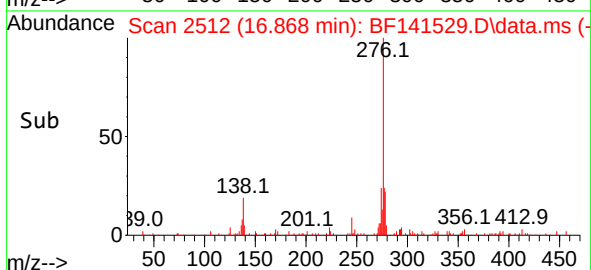
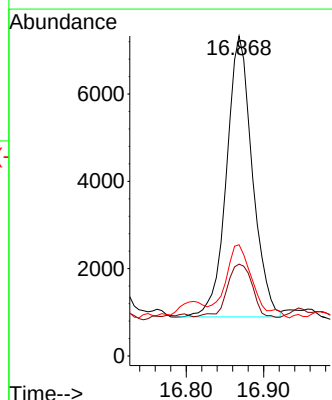
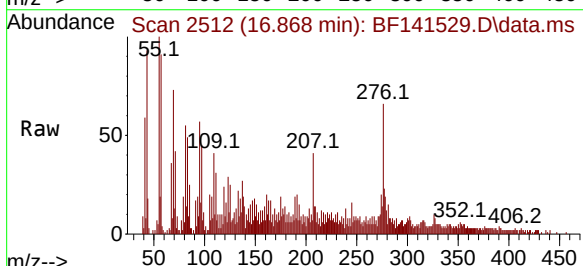
Tgt Ion:276 Resp: 14925

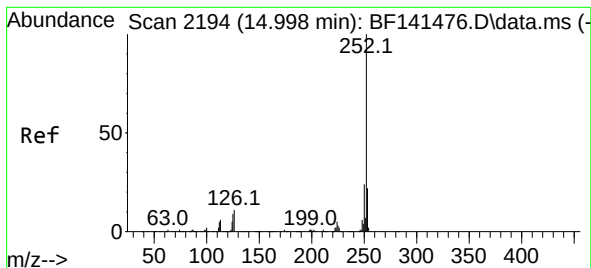
Ion Ratio Lower Upper

276 100

138 18.3 18.0 27.0

277 27.3 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 8.307 ng

RT: 14.998 min Scan# 2194

Delta R.T. -0.006 min

Lab File: BF141529.D

Acq: 08 Feb 2025 00:47

Instrument :

BNA_F

ClientSampleId :

JPP-51.2-012925

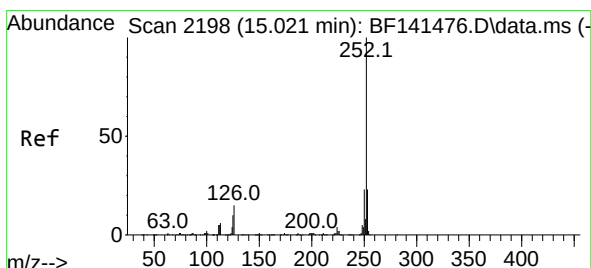
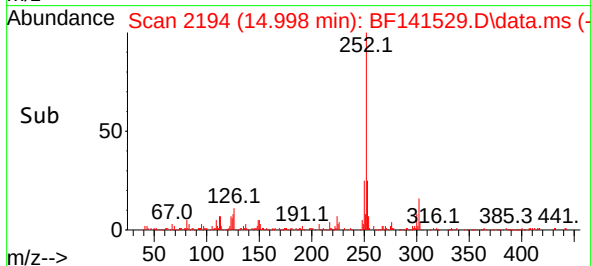
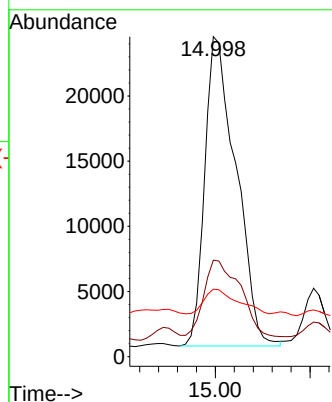
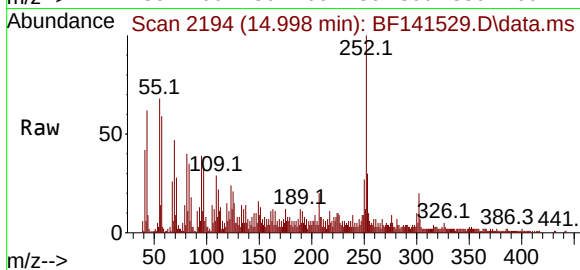
Tgt Ion:252 Resp: 54343

Ion Ratio Lower Upper

252 100

253 30.2 17.5 26.3#

125 21.1 7.0 10.6#



#89

Benzo(k)fluoranthene

Concen: 9.728 ng

RT: 14.998 min Scan# 2194

Delta R.T. -0.035 min

Lab File: BF141529.D

Acq: 08 Feb 2025 00:47

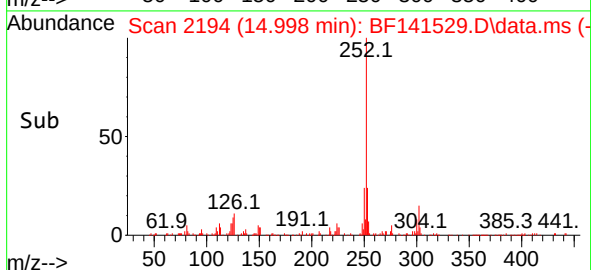
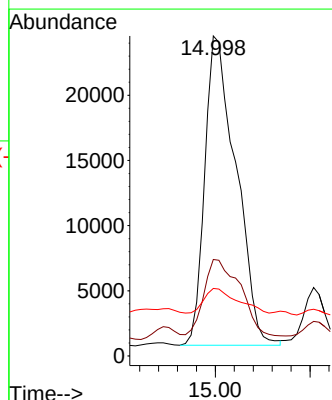
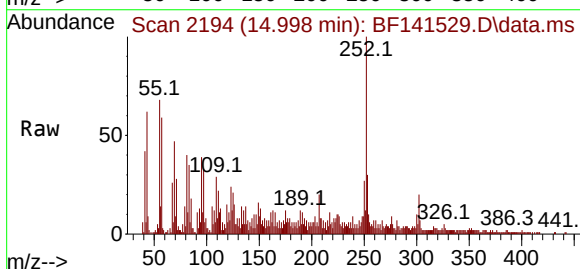
Tgt Ion:252 Resp: 54343

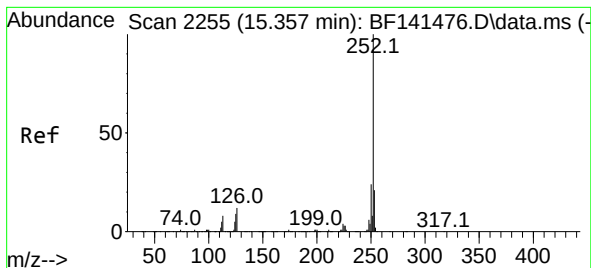
Ion Ratio Lower Upper

252 100

253 30.2 18.0 27.0#

125 21.1 7.4 11.0#





#90

Benzo(a)pyrene

Concen: 5.712 ng

RT: 15.357 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141529.D

Acq: 08 Feb 2025 00:47

Instrument :

BNA_F

ClientSampleId :

JPP-51.2-012925

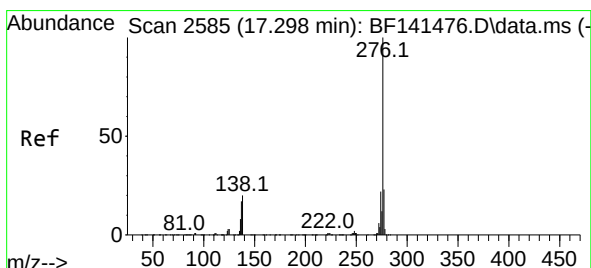
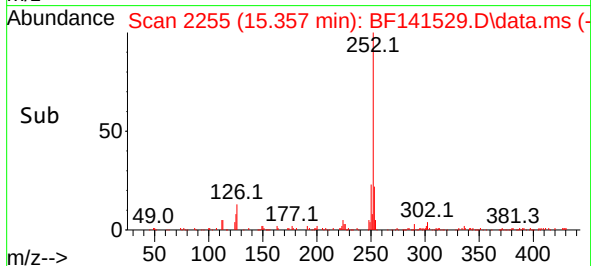
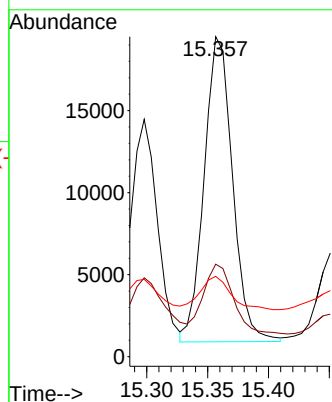
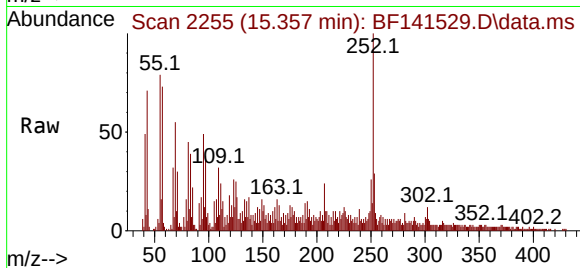
Tgt Ion:252 Resp: 30235

Ion Ratio Lower Upper

252 100

253 28.9 17.1 25.7#

125 25.1 7.4 11.2#



#92

Benzo(g,h,i)perylene

Concen: 3.408 ng

RT: 17.309 min Scan# 2587

Delta R.T. -0.006 min

Lab File: BF141529.D

Acq: 08 Feb 2025 00:47

Tgt Ion:276 Resp: 17394

Ion Ratio Lower Upper

276 100

277 32.6 18.6 28.0#

138 25.3 15.9 23.9#

