

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020924\
 Data File : BP019648.D
 Acq On : 10 Feb 2024 00:06
 Operator : MA/JU
 Sample : P1411-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 72-11929

Quant Time: Feb 10 00:55:48 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

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

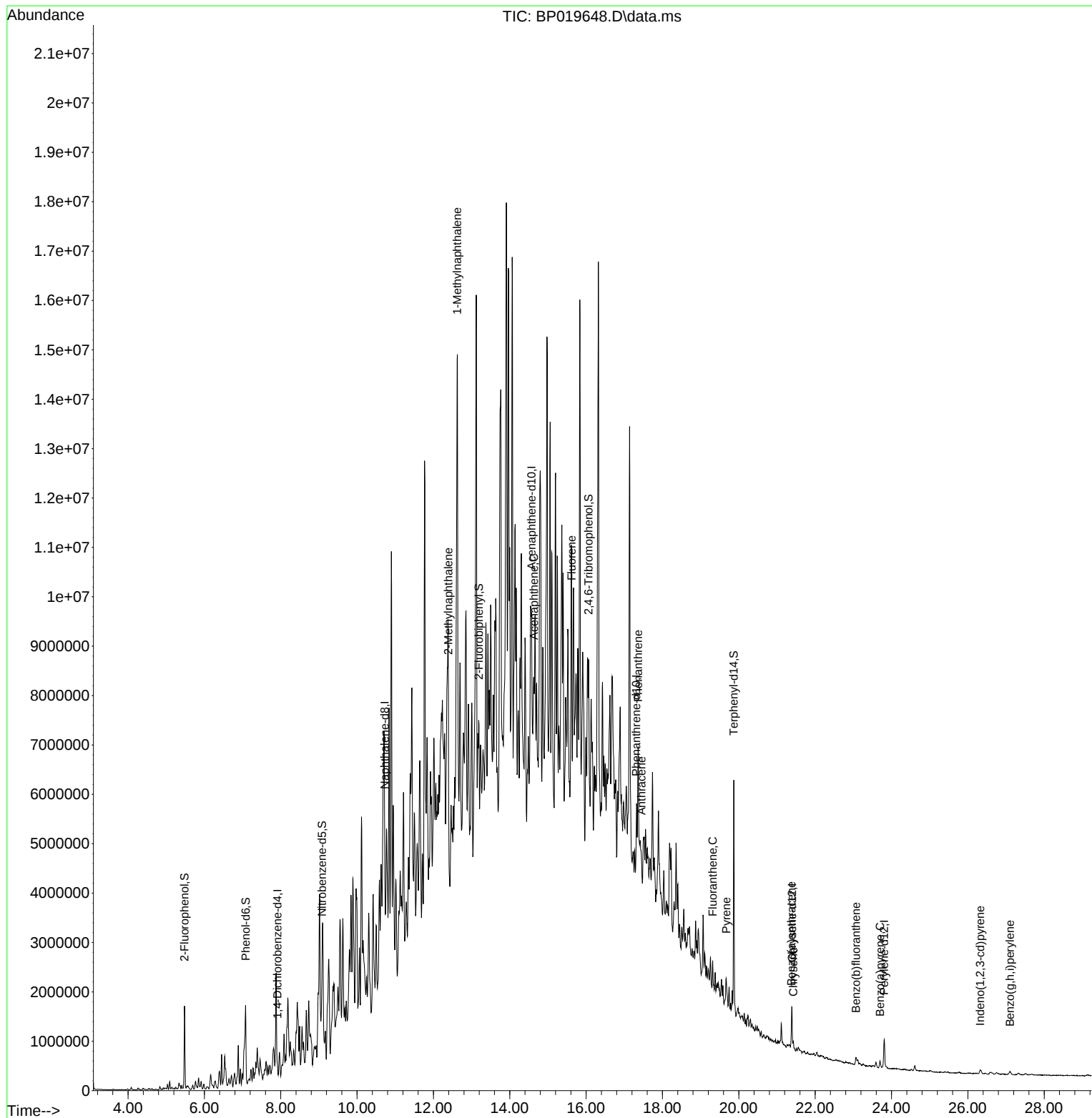
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.911	152	77452	20.000	ng	0.00
21) Naphthalene-d8	10.722	136	263849	20.000	ng	# 0.00
39) Acenaphthene-d10	14.569	164	187939	20.000	ng	# 0.02
64) Phenanthrene-d10	17.316	188	386855	20.000	ng	# 0.01
76) Chrysene-d12	21.392	240	414785	20.000	ng	0.00
86) Perylene-d12	23.810	264	487297	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	629908	131.096	ng	0.00
7) Phenol-d6	7.081	99	824066	127.194	ng	0.00
23) Nitrobenzene-d5	9.081	82	634097	104.137	ng	0.00
42) 2,4,6-Tribromophenol	16.063	330	349055	127.205	ng	0.02
45) 2-Fluorobiphenyl	13.193	172	1215583	79.959	ng	0.01
79) Terphenyl-d14	19.869	244	2335013	92.579	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.393	142	249017m	24.865	ng	
38) 1-Methylnaphthalene	12.622	142	5093261	517.533	ng	99
52) Acenaphthene	14.634	154	290800	27.122	ng	# 87
58) Fluorene	15.622	166	600557	43.179	ng	# 85
71) Phenanthrene	17.363	178	1373859	67.482	ng	# 94
72) Anthracene	17.451	178	273471	13.465	ng	# 78
75) Fluoranthene	19.316	202	187154	7.525	ng	85
78) Pyrene	19.669	202	302378	10.329	ng	# 94
81) Benzo(a)anthracene	21.375	228	91011	3.117	ng	# 83
83) Chrysene	21.428	228	96445	3.479	ng	# 85
87) Indeno(1,2,3-cd)pyrene	26.321	276	94669	2.538	ng	97
88) Benzo(b)fluoranthene	23.069	252	148383	4.831	ng	# 92
90) Benzo(a)pyrene	23.698	252	112567	4.119	ng	# 93
92) Benzo(g,h,i)perylene	27.104	276	94047	3.022	ng	98

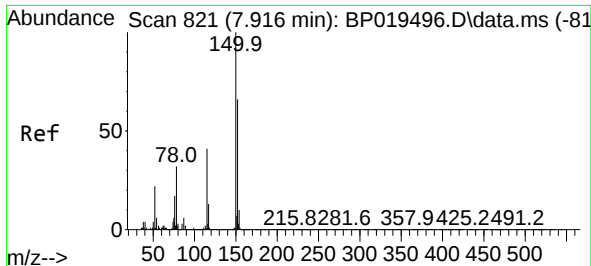
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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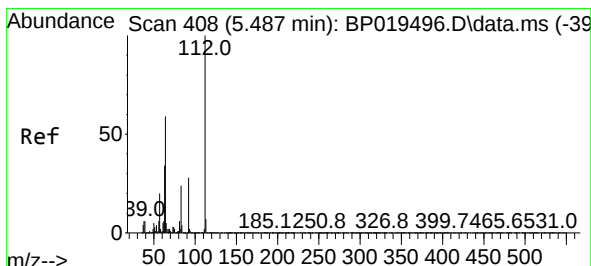
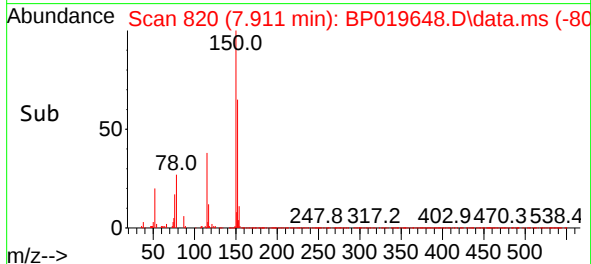
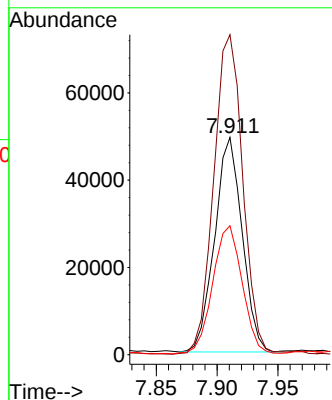
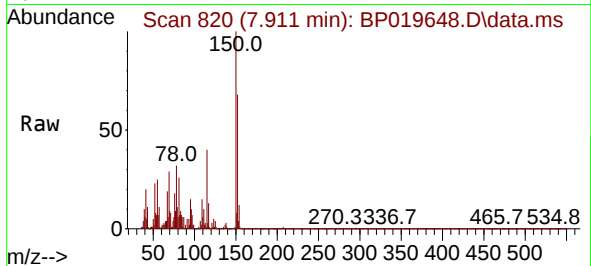




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.911 min Scan# 81
Delta R.T. -0.005 min
Lab File: BP019648.D
Acq: 10 Feb 2024 00:06

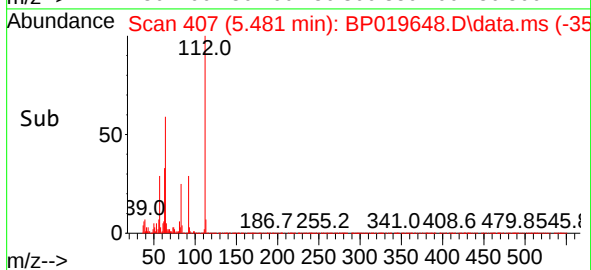
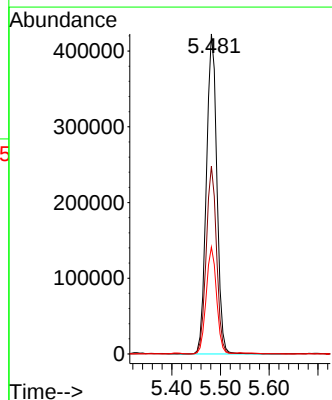
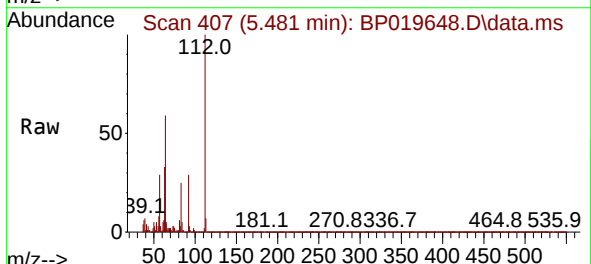
Instrument :
BNA_P
ClientSampleId :
72-11929

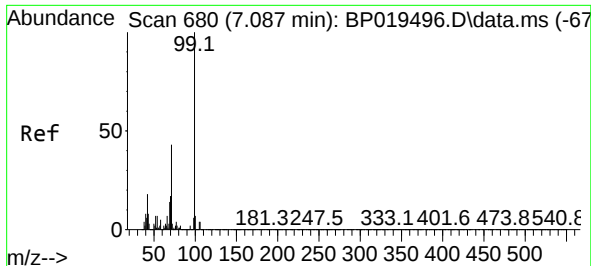
Tgt Ion:152 Resp: 77452
Ion Ratio Lower Upper
152 100
150 147.3 121.8 182.8
115 59.4 49.9 74.9



#5
2-Fluorophenol
Concen: 131.096 ng
RT: 5.481 min Scan# 407
Delta R.T. -0.005 min
Lab File: BP019648.D
Acq: 10 Feb 2024 00:06

Tgt Ion:112 Resp: 629908
Ion Ratio Lower Upper
112 100
64 58.6 47.4 71.0
63 33.4 27.0 40.6

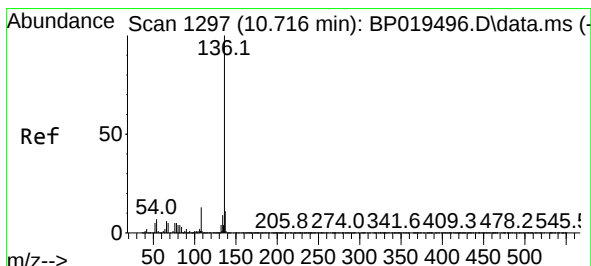
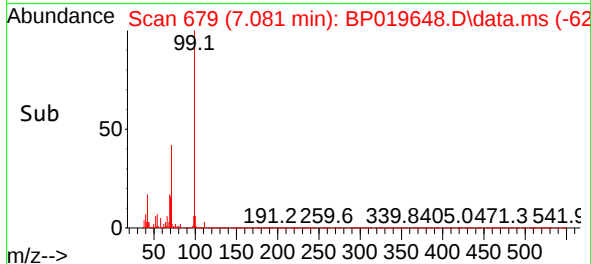
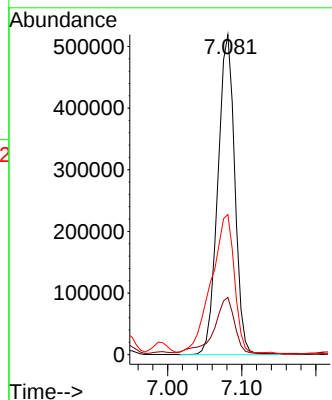
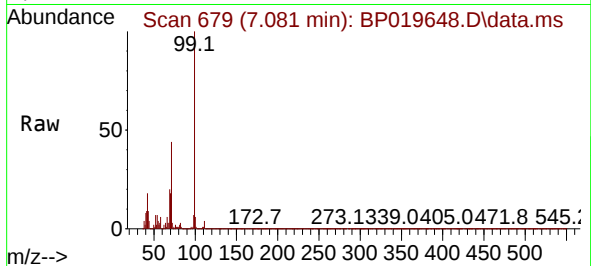




#7
Phenol-d6
Concen: 127.194 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.005 min
Lab File: BP019648.D
Acq: 10 Feb 2024 00:06

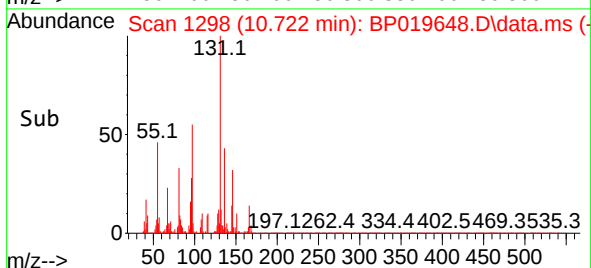
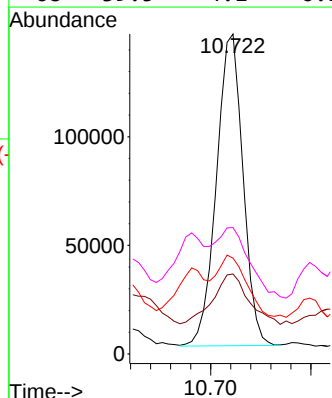
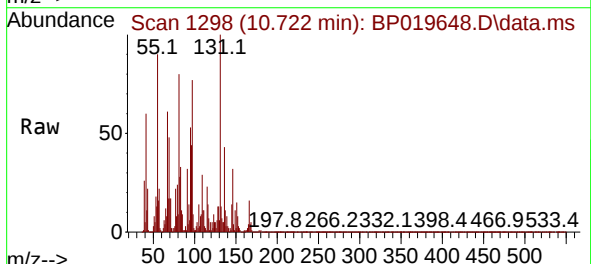
Instrument :
BNA_P
ClientSampleId :
72-11929

Tgt Ion: 99 Resp: 824066
Ion Ratio Lower Upper
99 100
42 17.9 14.7 22.1
71 43.8 34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.722 min Scan# 1298
Delta R.T. 0.006 min
Lab File: BP019648.D
Acq: 10 Feb 2024 00:06

Tgt Ion:136 Resp: 263849
Ion Ratio Lower Upper
136 100
137 25.0 8.8 13.2#
54 29.9 5.3 7.9#
68 39.5 4.1 6.1#

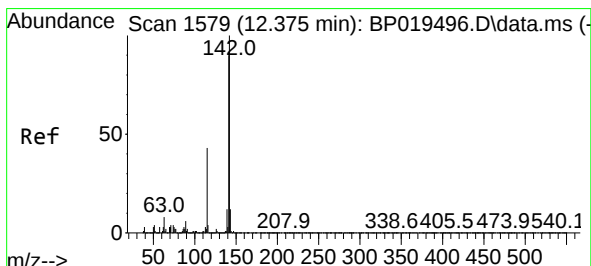
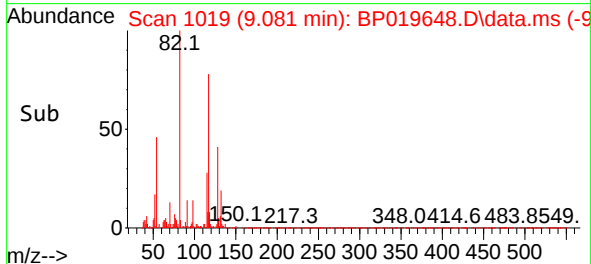
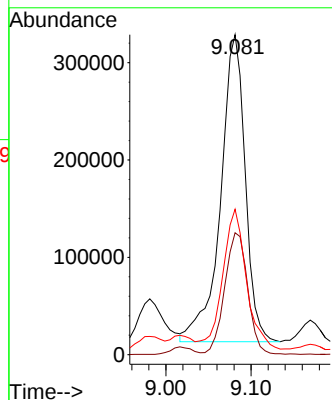
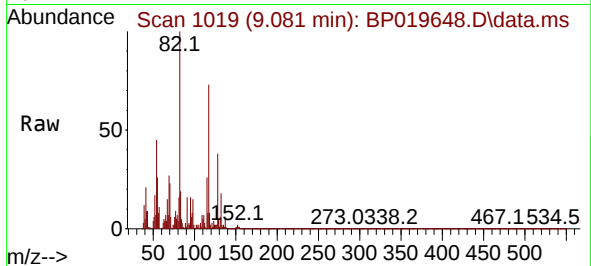




#23
Nitrobenzene-d5
Concen: 104.137 ng
RT: 9.081 min Scan# 1020
Delta R.T. -0.005 min
Lab File: BP019648.D
Acq: 10 Feb 2024 00:06

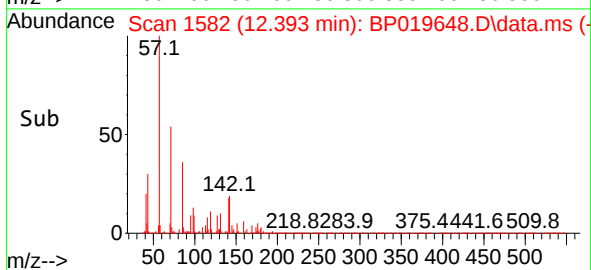
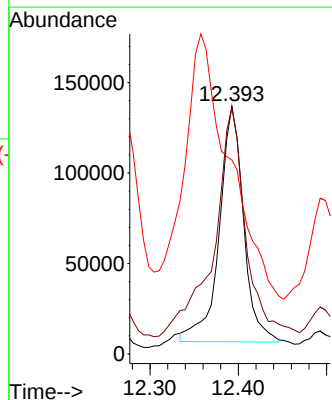
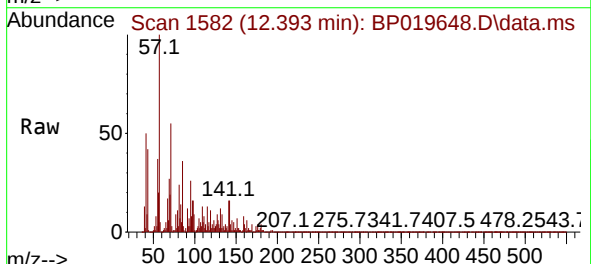
Instrument :
BNA_P
ClientSampleId :
72-11929

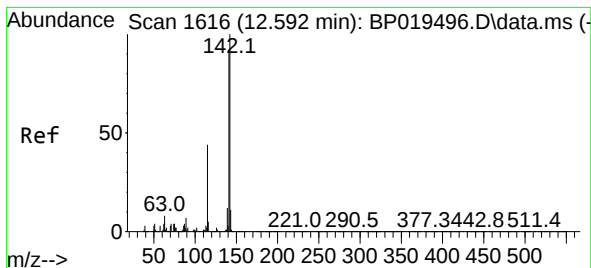
Tgt Ion: 82 Resp: 634097
Ion Ratio Lower Upper
82 100
128 38.1 29.7 44.5
54 45.5 36.8 55.2



#37
2-Methylnaphthalene
Concen: 24.865 ng m
RT: 12.393 min Scan# 1582
Delta R.T. 0.018 min
Lab File: BP019648.D
Acq: 10 Feb 2024 00:06

Tgt Ion: 142 Resp: 249017
Ion Ratio Lower Upper
142 100
141 99.6 72.2 108.4
115 78.3 34.2 51.2#





#38

1-Methylnaphthalene

Concen: 517.533 ng

RT: 12.622 min Scan# 1

Delta R.T. 0.030 min

Lab File: BP019648.D

Acq: 10 Feb 2024 00:06

Instrument :

BNA_P

ClientSampleId :

72-11929

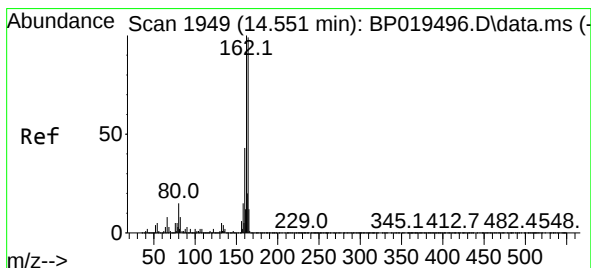
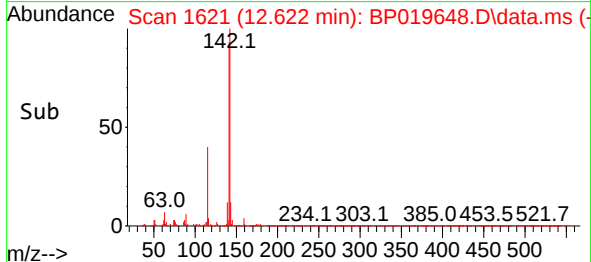
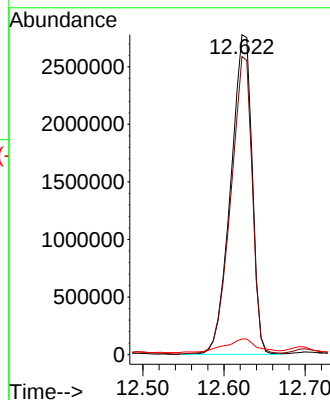
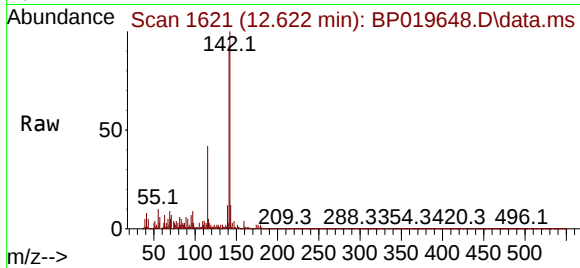
Tgt Ion:142 Resp: 5093261

Ion Ratio Lower Upper

142 100

141 93.2 74.0 111.0

116 4.9 3.7 5.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.569 min Scan# 1952

Delta R.T. 0.018 min

Lab File: BP019648.D

Acq: 10 Feb 2024 00:06

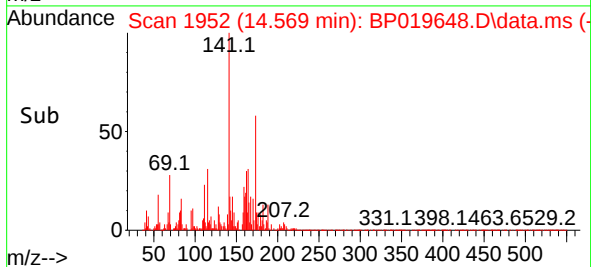
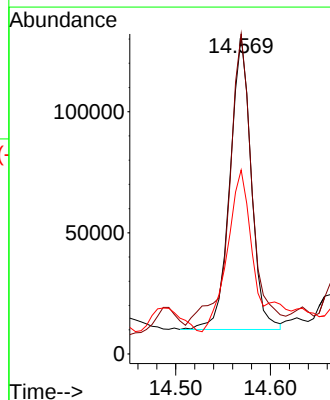
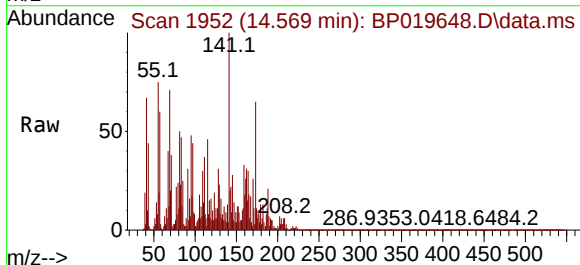
Tgt Ion:164 Resp: 187939

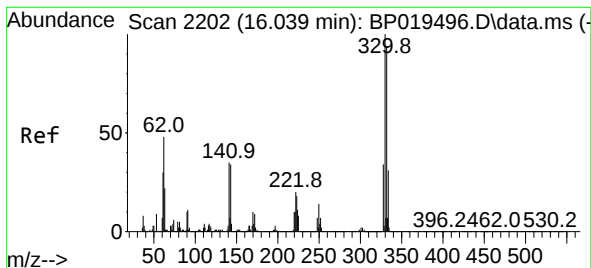
Ion Ratio Lower Upper

164 100

162 100.8 81.2 121.8

160 58.0 35.1 52.7#





#42

2,4,6-Tribromophenol

Concen: 127.205 ng

RT: 16.063 min Scan# 21

Delta R.T. 0.024 min

Lab File: BP019648.D

Acq: 10 Feb 2024 00:06

Instrument :

BNA_P

ClientSampleId :

72-11929

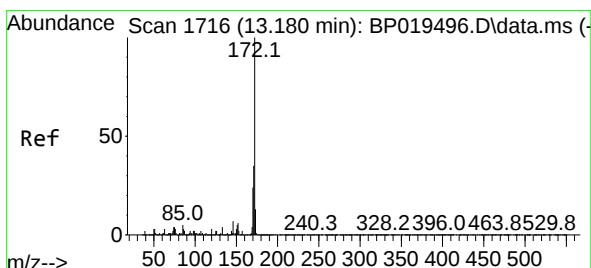
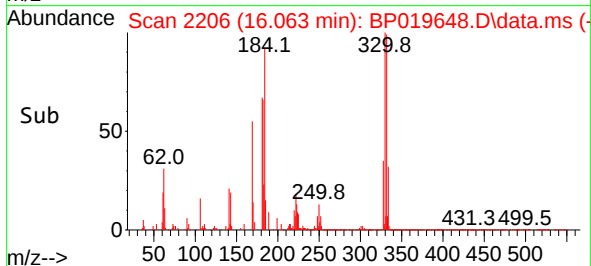
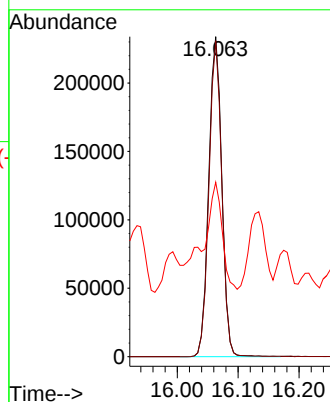
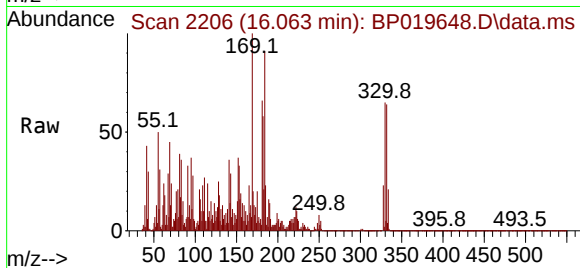
Tgt Ion:330 Resp: 349055

Ion Ratio Lower Upper

330 100

332 96.8 77.2 115.8

141 48.1 27.0 40.4#



#45

2-Fluorobiphenyl

Concen: 79.959 ng

RT: 13.193 min Scan# 1718

Delta R.T. 0.012 min

Lab File: BP019648.D

Acq: 10 Feb 2024 00:06

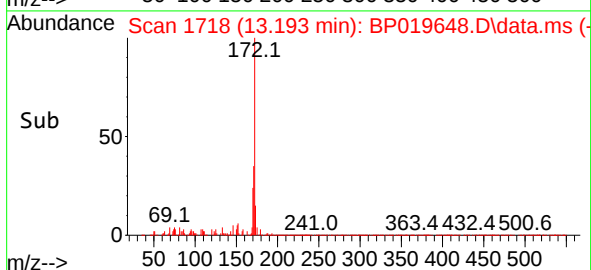
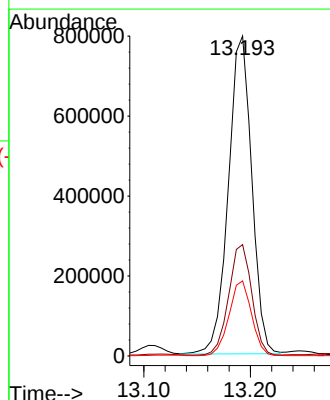
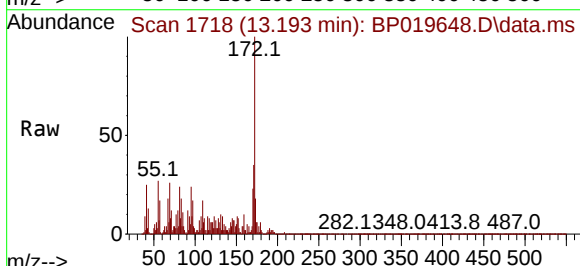
Tgt Ion:172 Resp: 1215583

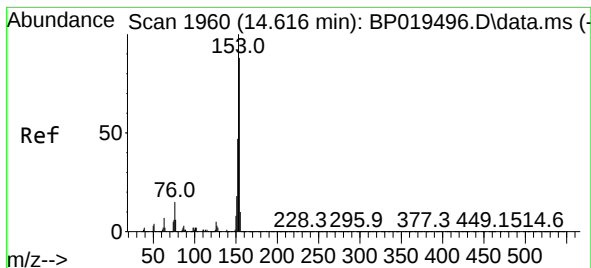
Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.4

170 23.4 18.9 28.3





#52

Acenaphthene

Concen: 27.122 ng

RT: 14.634 min Scan# 1963

Delta R.T. 0.018 min

Lab File: BP019648.D

Acq: 10 Feb 2024 00:06

Instrument :

BNA_P

ClientSampleId :

72-11929

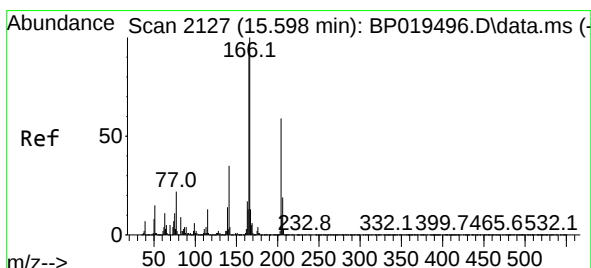
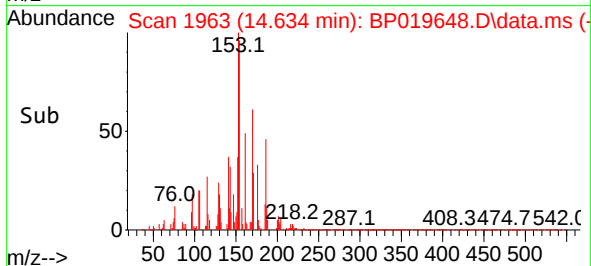
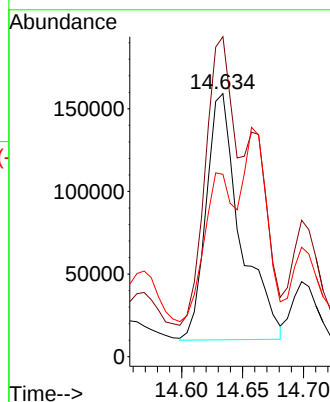
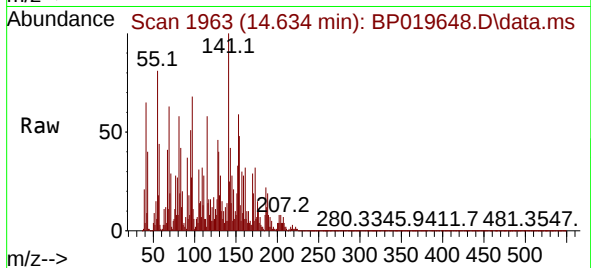
Tgt Ion:154 Resp: 290800

Ion Ratio Lower Upper

154 100

153 121.7 90.5 135.7

152 69.4 42.1 63.1#



#58

Fluorene

Concen: 43.179 ng

RT: 15.622 min Scan# 2131

Delta R.T. 0.024 min

Lab File: BP019648.D

Acq: 10 Feb 2024 00:06

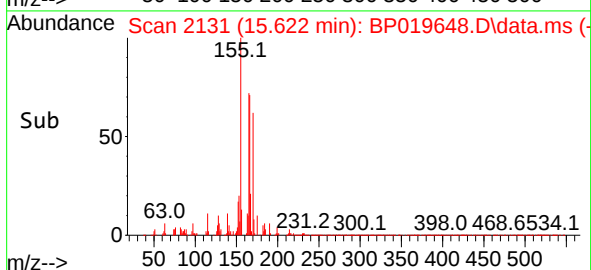
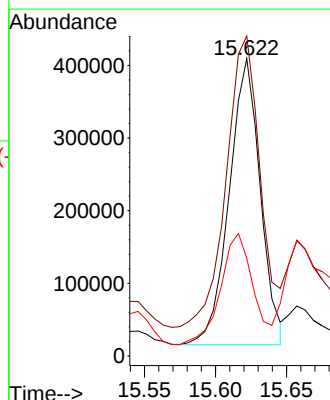
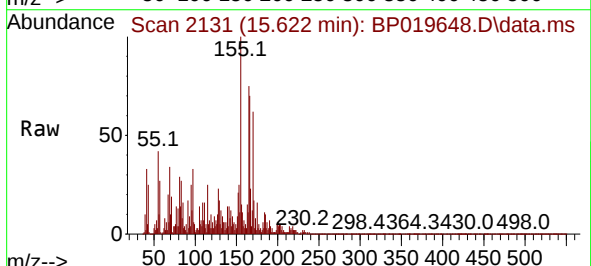
Tgt Ion:166 Resp: 600557

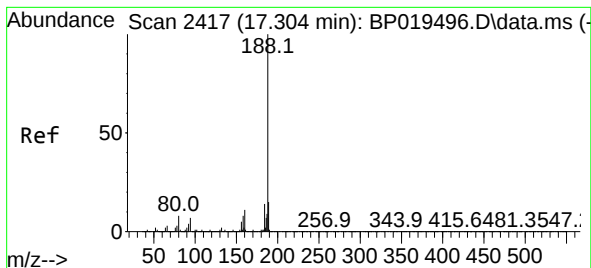
Ion Ratio Lower Upper

166 100

165 107.6 77.8 116.8

167 32.8 10.7 16.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.316 min Scan# 2419

Delta R.T. 0.012 min

Lab File: BP019648.D

Acq: 10 Feb 2024 00:06

Instrument :

BNA_P

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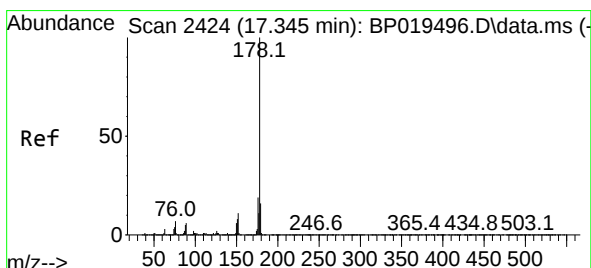
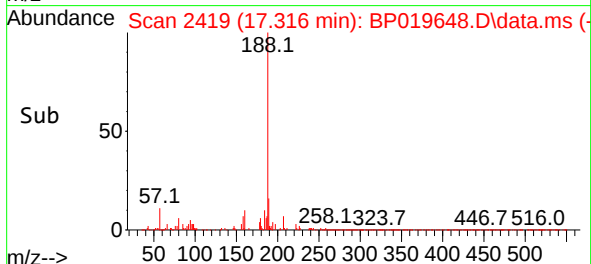
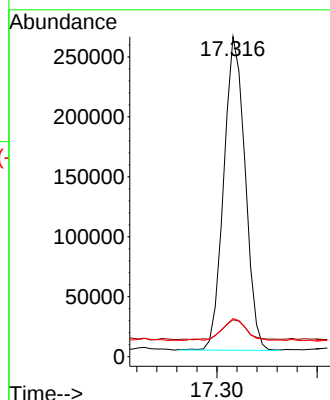
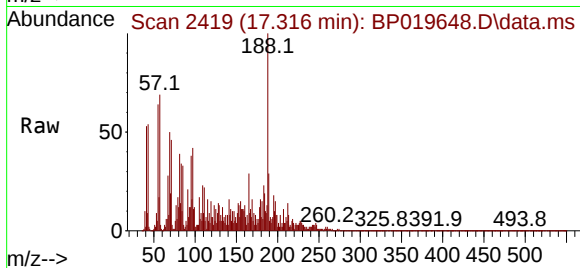
Tgt Ion:188 Resp: 386855

Ion Ratio Lower Upper

188 100

94 11.6 5.4 8.2#

80 11.9 6.3 9.5#



#71

Phenanthrene

Concen: 67.482 ng

RT: 17.363 min Scan# 2427

Delta R.T. 0.018 min

Lab File: BP019648.D

Acq: 10 Feb 2024 00:06

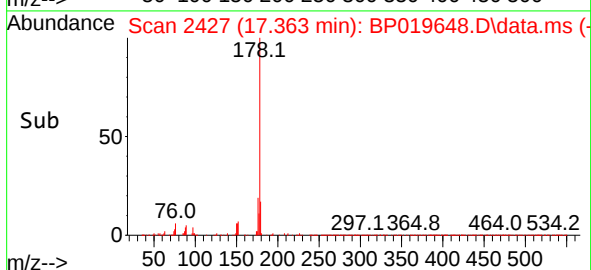
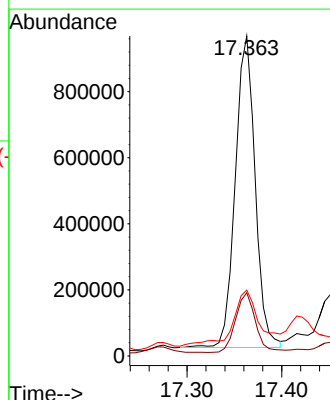
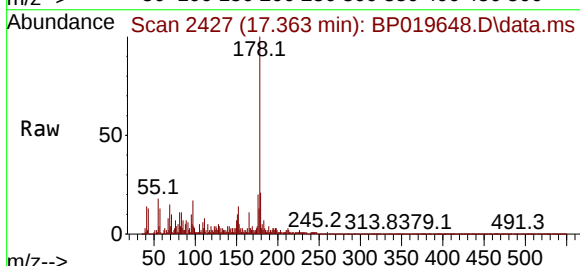
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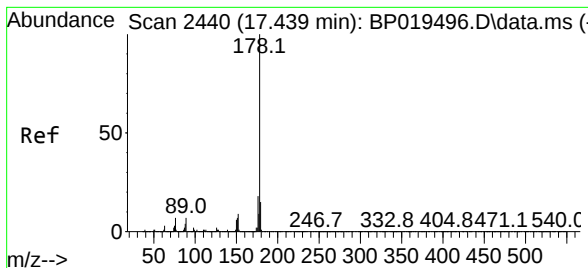
Ion Ratio Lower Upper

178 100

176 19.8 15.5 23.3

179 20.6 12.6 19.0#





#72

Anthracene

Concen: 13.465 ng

RT: 17.451 min Scan# 2442

Delta R.T. 0.012 min

Lab File: BP019648.D

Acq: 10 Feb 2024 00:06

Instrument :

BNA_P

ClientSampleId :

72-11929

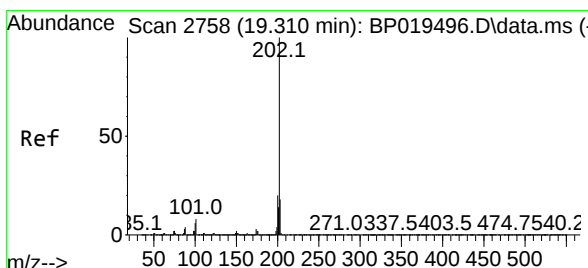
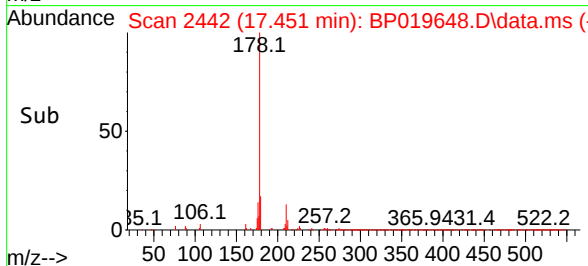
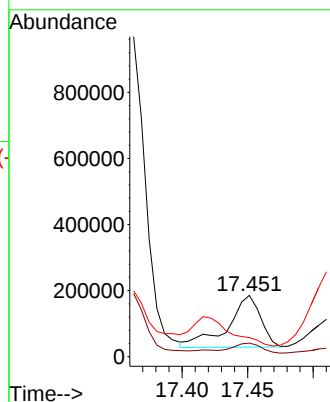
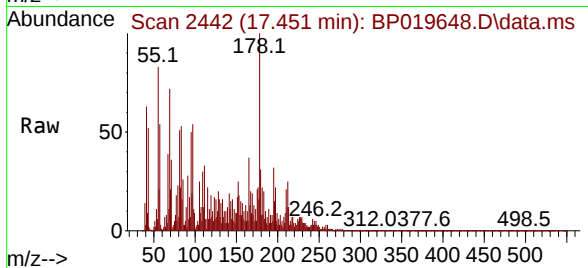
Tgt Ion:178 Resp: 273471

Ion Ratio Lower Upper

178 100

176 22.2 14.7 22.1#

179 31.2 12.2 18.2#



#75

Fluoranthene

Concen: 7.525 ng

RT: 19.316 min Scan# 2759

Delta R.T. 0.006 min

Lab File: BP019648.D

Acq: 10 Feb 2024 00:06

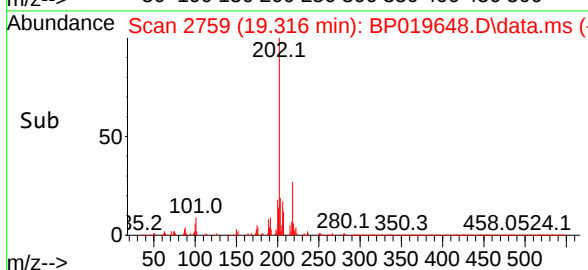
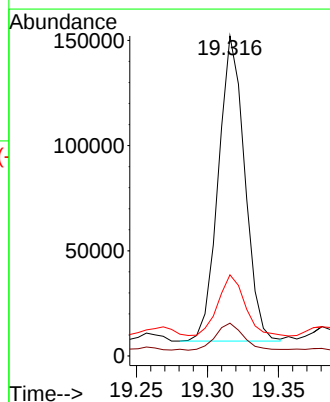
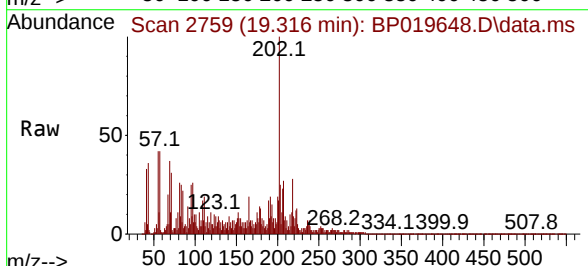
Tgt Ion:202 Resp: 187154

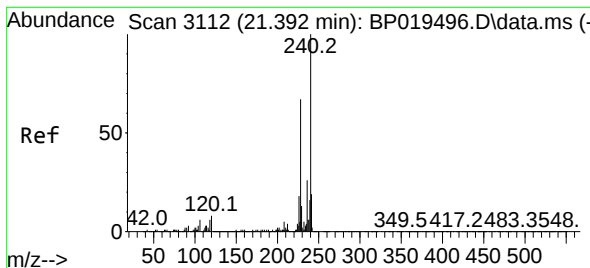
Ion Ratio Lower Upper

202 100

101 10.3 0.0 27.7

203 25.3 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.392 min Scan# 3112

Delta R.T. 0.000 min

Lab File: BP019648.D

Acq: 10 Feb 2024 00:06

Instrument :

BNA_P

ClientSampleId :

72-11929

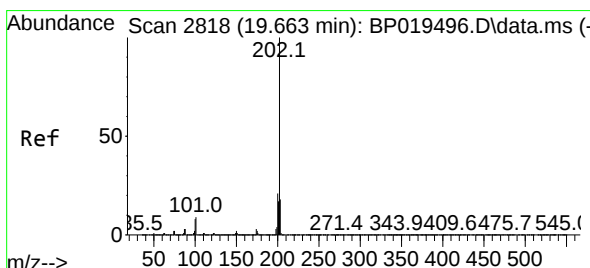
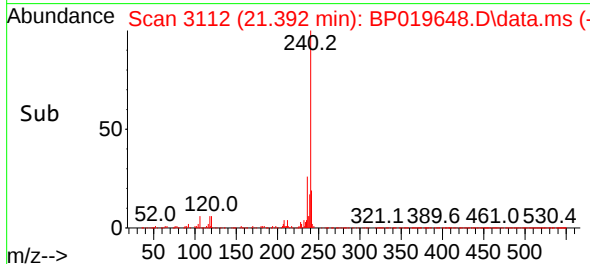
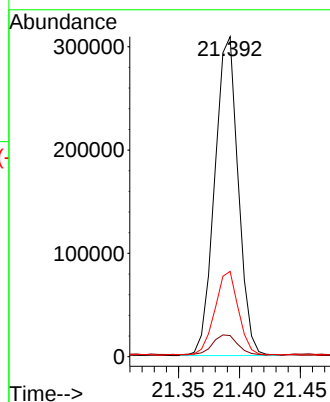
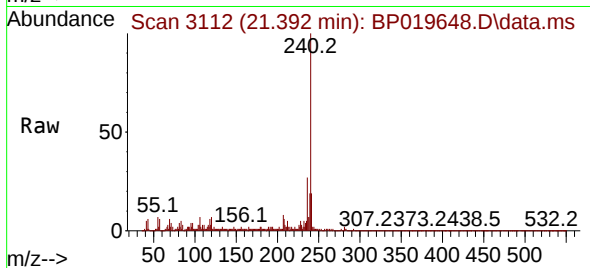
Tgt Ion:240 Resp: 414785

Ion Ratio Lower Upper

240 100

120 6.6 6.1 9.1

236 26.6 20.7 31.1



#78

Pyrene

Concen: 10.329 ng

RT: 19.669 min Scan# 2819

Delta R.T. 0.006 min

Lab File: BP019648.D

Acq: 10 Feb 2024 00:06

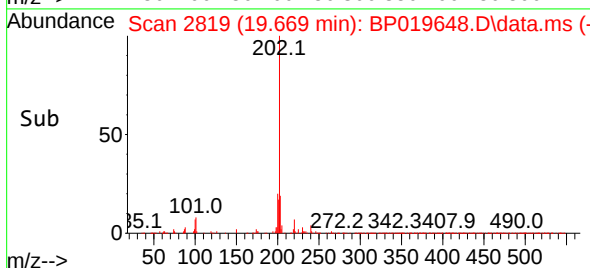
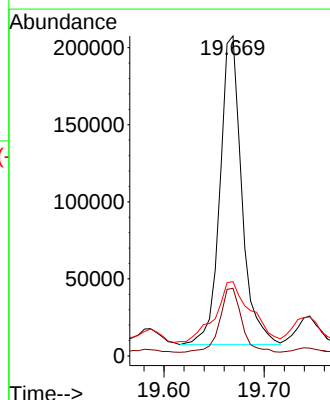
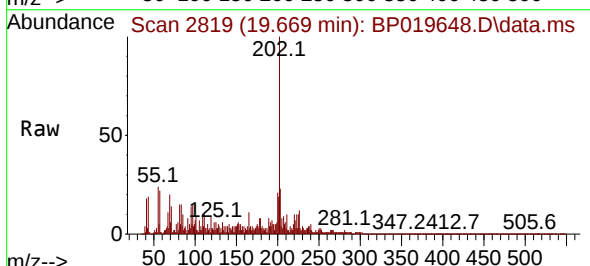
Tgt Ion:202 Resp: 302378

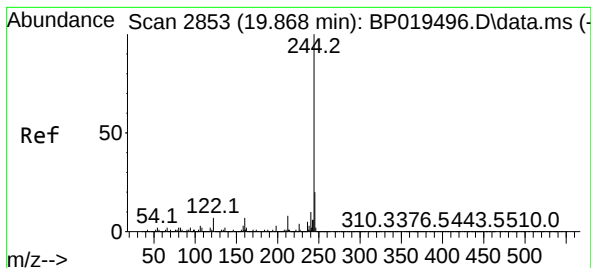
Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

203 23.2 14.2 21.2#





#79

Terphenyl-d14

Concen: 92.579 ng

RT: 19.869 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP019648.D

Acq: 10 Feb 2024 00:06

Instrument :

BNA_P

ClientSampleId :

72-11929

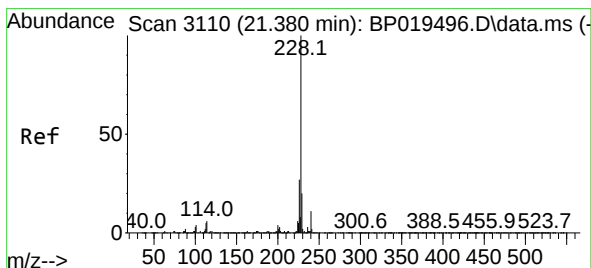
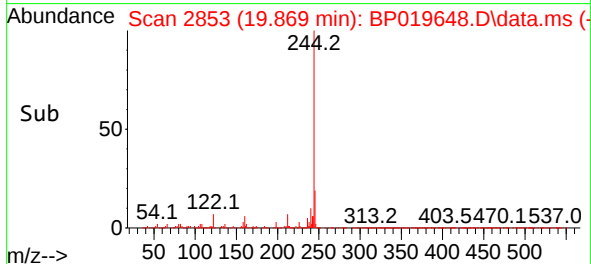
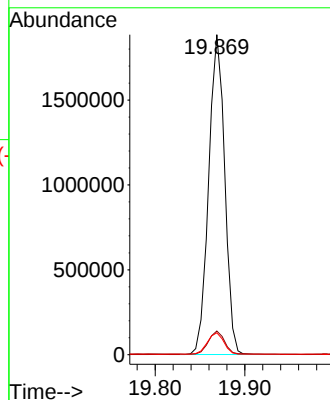
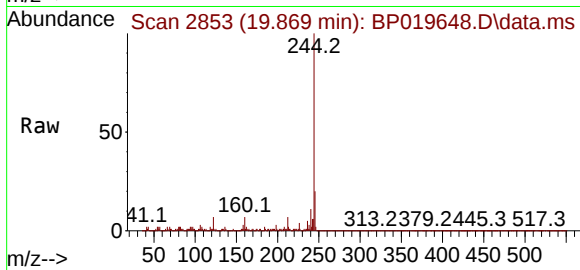
Tgt Ion:244 Resp: 2335013

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

122 6.9 5.9 8.9



#81

Benzo(a)anthracene

Concen: 3.117 ng

RT: 21.375 min Scan# 3109

Delta R.T. -0.005 min

Lab File: BP019648.D

Acq: 10 Feb 2024 00:06

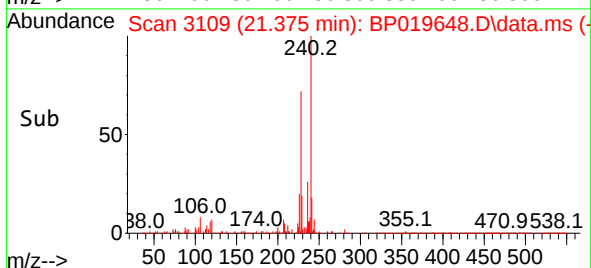
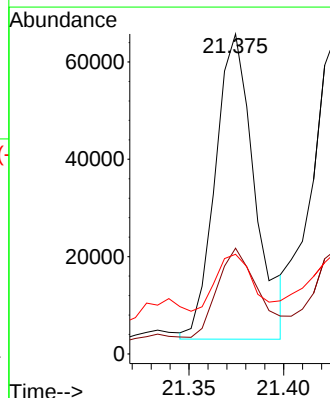
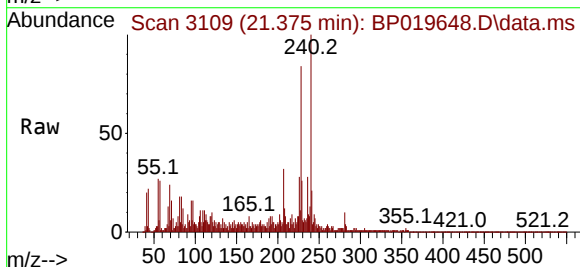
Tgt Ion:228 Resp: 91011

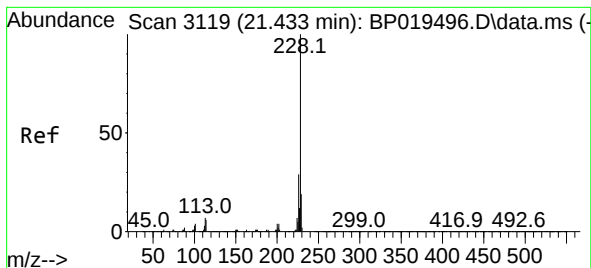
Ion Ratio Lower Upper

228 100

226 33.1 21.7 32.5#

229 31.2 15.6 23.4#





#83

Chrysene

Concen: 3.479 ng

RT: 21.428 min Scan# 3119

Delta R.T. -0.005 min

Lab File: BP019648.D

Acq: 10 Feb 2024 00:06

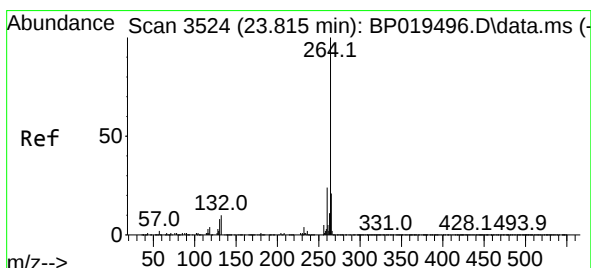
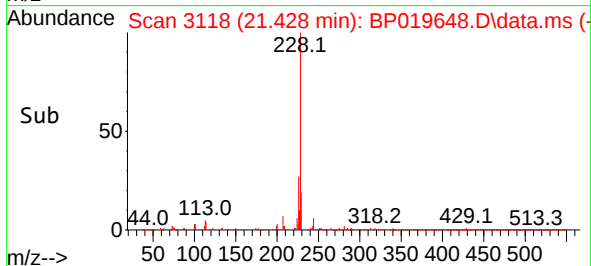
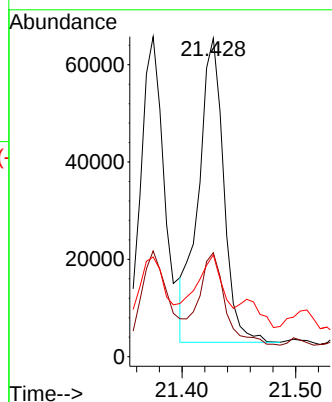
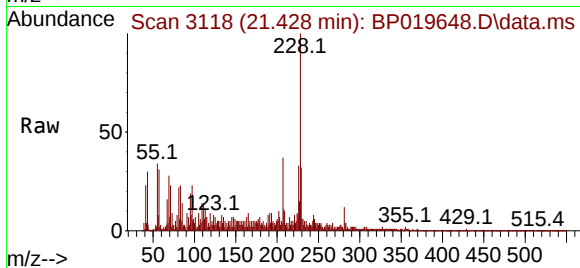
Instrument :

BNA_P

ClientSampleId :

72-11929

Tgt Ion:228	Resp:	96445
Ion Ratio	Lower	Upper
228	100	
226	32.7	23.4 35.2
229	32.0	15.6 23.4#



#86

Perylene-d12

Concen: 20.000 ng

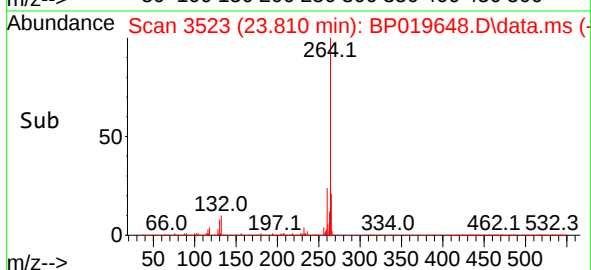
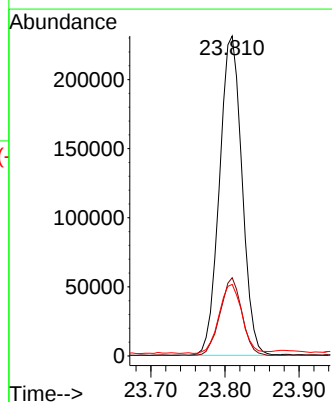
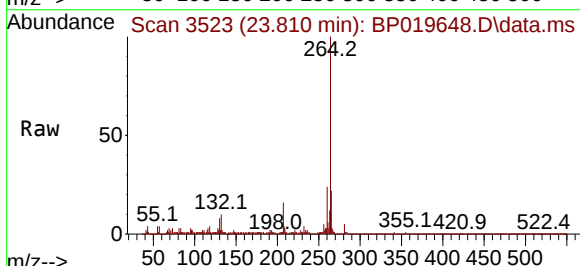
RT: 23.810 min Scan# 3523

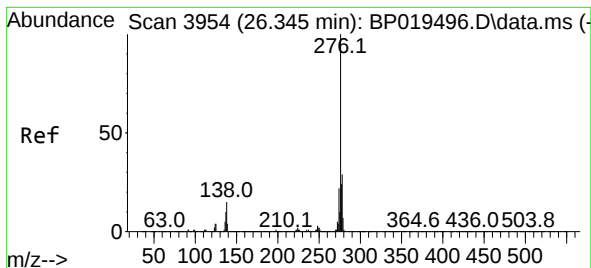
Delta R.T. -0.005 min

Lab File: BP019648.D

Acq: 10 Feb 2024 00:06

Tgt Ion:264	Resp:	487297
Ion Ratio	Lower	Upper
264	100	
260	24.5	19.2 28.8
265	22.4	17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.538 ng

RT: 26.321 min Scan# 3950

Delta R.T. -0.023 min

Lab File: BP019648.D

Acq: 10 Feb 2024 00:06

Instrument :

BNA_P

ClientSampleId :

72-11929

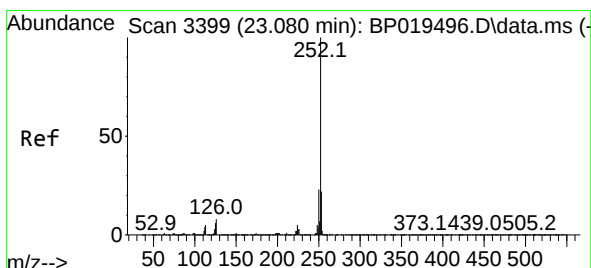
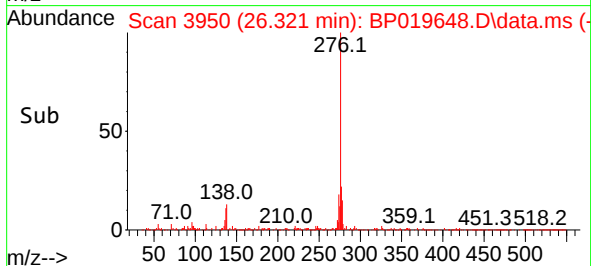
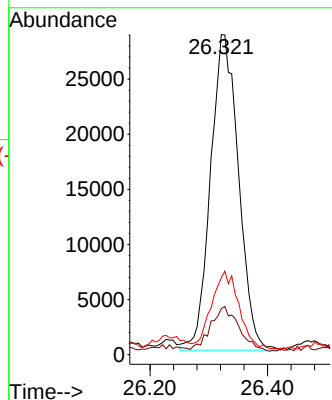
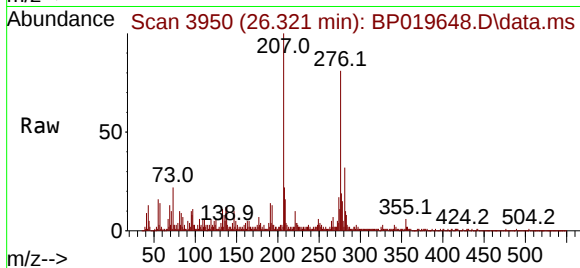
Tgt Ion:276 Resp: 94669

Ion Ratio Lower Upper

276 100

138 14.3 13.1 19.7

277 24.2 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 4.831 ng

RT: 23.069 min Scan# 3397

Delta R.T. -0.011 min

Lab File: BP019648.D

Acq: 10 Feb 2024 00:06

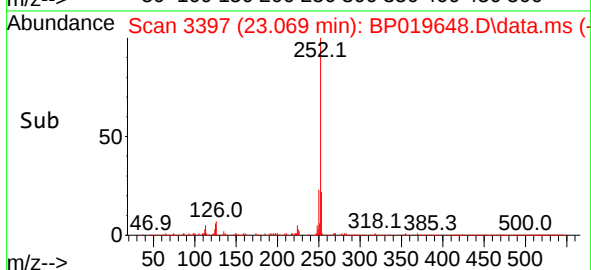
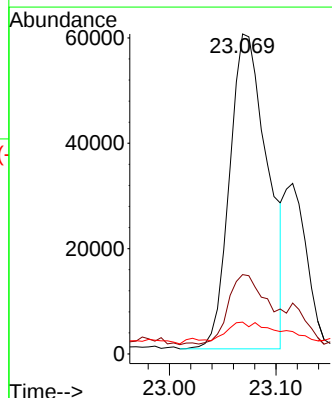
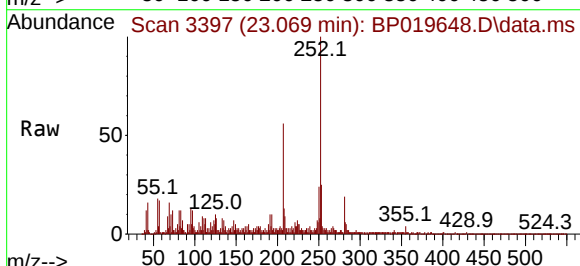
Tgt Ion:252 Resp: 148383

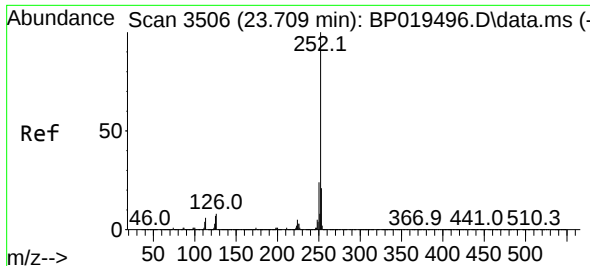
Ion Ratio Lower Upper

252 100

253 24.8 17.3 25.9

125 10.0 4.9 7.3#

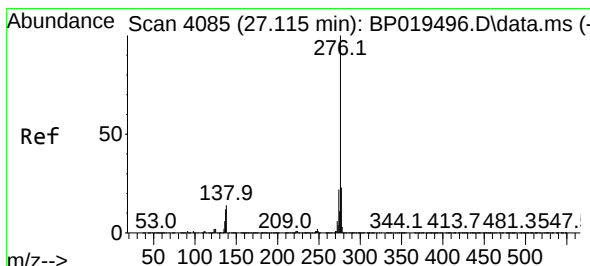
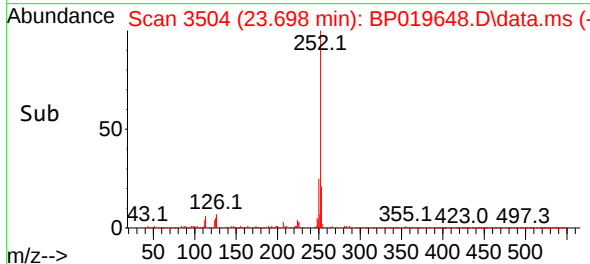
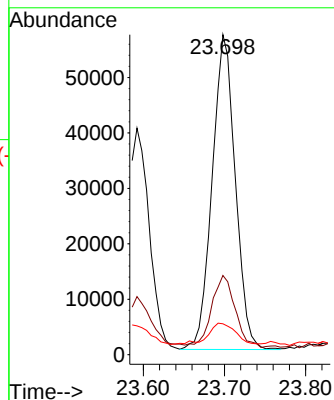
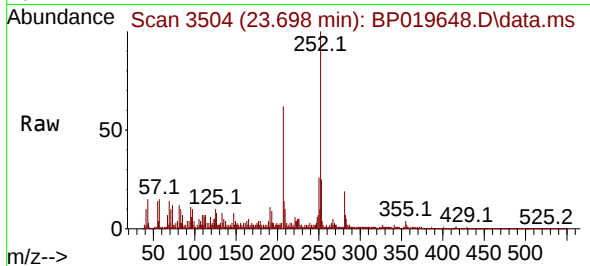




#90
Benzo(a)pyrene
Concen: 4.119 ng
RT: 23.698 min Scan# 31
Delta R.T. -0.011 min
Lab File: BP019648.D
Acq: 10 Feb 2024 00:06

Instrument :
BNA_P
ClientSampleId :
72-11929

Tgt Ion:252 Resp: 112567
Ion Ratio Lower Upper
252 100
253 24.8 17.1 25.7
125 9.7 5.6 8.4#



#92
Benzo(g,h,i)perylene
Concen: 3.022 ng
RT: 27.104 min Scan# 4083
Delta R.T. -0.011 min
Lab File: BP019648.D
Acq: 10 Feb 2024 00:06

Tgt Ion:276 Resp: 94047
Ion Ratio Lower Upper
276 100
277 24.0 18.6 28.0
138 15.3 10.9 16.3

